

MP C6503/C8003, Pro C5200S/C5210S

Machine Code: D257/D258/D260/D261

Field Service Manual

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Important Safety Notices

Warnings, Cautions, Notes

In this manual, the following important symbols and notations are used.

WARNING

- A Warning indicates a potentially hazardous situation. Failure to obey a Warning could result in death or serious injury.

CAUTION

- A Caution indicates a potentially hazardous situation. Failure to obey a Caution could result in minor or moderate injury or damage to the machine or other property.

Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.

Note

- This information provides tips and advice about how to best service the machine.

General Safety Instructions

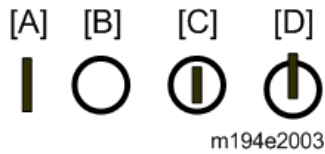
For your safety, please read this manual carefully before you use this product. Keep this manual handy for future reference.

Safety Information

Always obey the following safety precautions when using this product.

Safety During Operation

In this manual, the following important symbols and notations are used.



[A]: ON

[B]: OFF

[C]: Push ON/Push OFF

[D]: Standby

Switches and Symbols

Where symbols are used on or near switches on machines for Europe and other areas, the meaning of each symbol conforms with IEC60417.

Safety

Prevention of Physical Injury

1. Before disassembling or assembling parts of the machine and peripherals, make sure that the machine and peripheral power cords are unplugged.
2. The plug should be near the machine and easily accessible.
3. Note that some components of the machine and the paper tray unit are supplied with electrical voltage even if the main power switch is turned off.
4. Always unplug the power cord from the power source before you move the product. Before you move the machine, arrange the power cord so it will not fall under the machine.
5. Disconnect all peripheral units (finisher, LCT, etc.) from the mainframe before you move the machine.
6. If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrified or mechanically driven components.
7. The machine drives some of its components when it completes the warm-up period. Be careful to keep hands away from the mechanical and electrical components as the machine starts operation.
8. The inside and the metal parts of the fusing unit become extremely hot while the machine is operating. Be careful to avoid touching those components with your bare hands.
9. To prevent a fire or explosion, keep the machine away from flammable liquids, gases, and aerosols.
10. Do not use flammable sprays or solvent in the vicinity of the machine. Also, avoid placing these items in the vicinity of the machine. Doing so could result in fire or electric shock.
11. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
12. Clean the floor completely after accidental spillage of silicone oil or other materials to prevent slippery surfaces that could cause accidents leading to hand or leg injuries.
13. Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
14. Never do any procedure that defeats the function of any safety device.
15. Modification or removal of a safety device (fuse, switch, etc.) could lead to a fire and personal injury. Always test the operation of the machine to ensure that it is operating normally and safely after removal and replacement of any safety device.
16. For replacements use only the correct fuses or circuit breakers rated for use with the machine. Using replacement devices not designed for use with the machine could lead to a fire and personal injuries.
17. For machines installed with the ADF/ARDF:

When a thick book or three-dimensional original is placed on the exposure glass and the ARDF cover is lowered, the back side of the ARDF rises up to accommodate the original. Therefore, when closing the ARDF, please be sure to keep your hands away from the hinges at the back of the ARDF.
18. When using a vacuum cleaner around the machine, keep others away from the cleaner, especially small children.
19. For machines installed with the anti-tip components:

The anti-tip components are necessary for meeting the requirements of IEC60950-1, the international standard for safety. The aim of these components is to prevent the products, which are heavy in weight, from

toppling as a result of people running into or leaning onto the products, which can lead to serious accidents such as persons becoming trapped under the product. (U.S.: UL60950-1, Europe: EN60950-1) Therefore, removal of such components must always be with the consent of the customer. Do not remove them at your own judgment.

20. **NEVER touch** the AC circuits on the PSU board to prevent electric shock caused by residual charge. Residual charge of about 100V-400V remains in the AC circuits on the PSU board for several months even when the board has been removed from the machine after turning off the machine power and unplugging the power cord.

Health Safety Conditions

1. For the machines installed with the ozone filters:
 - Never operate the machine without the ozone filters installed.
 - Always replace the ozone filters with the specified types at the proper intervals.
2. The machine, which use high voltage power source, can generate ozone gas. High ozone density is harmful to human health. Therefore, locate the machine in a large well ventilated room that has an air turnover rate of more than 50m³/hr/person.
3. Toner and developer are non-toxic, but if you get either of them in your eyes by accident, it may cause temporary eye discomfort. Try to remove with eye drops or flush with water as first aid. If unsuccessful, get medical attention.

Observance of Electrical Safety Standards

1. The machine and its peripherals must be installed and maintained by a customer service representative who has completed the training course on those models with exceptions on some machines where the installation can be handled by the user.

Safety and Ecological Notes for Disposal

1. Do not incinerate toner bottles or used toner. Toner dust may ignite suddenly when exposed to an open flame.
2. Dispose of used toner, developer, organic photoconductors, and AIO unit in accordance with local regulations. (These are non-toxic supplies.)
3. Dispose of replaced parts in accordance with local regulations.
4. When keeping used lithium batteries in order to dispose of them later, do not put more than 100 batteries per sealed box. Storing larger numbers or not sealing them apart may lead to chemical reactions and heat build-up.
5. The danger of explosion exists if a battery of this type is incorrectly replaced. Replace only with the same or an equivalent type recommended by the manufacturer. Discard used batteries in accordance with the manufacturer's instructions.

Handling Toner

- Work carefully when removing paper jams or replacing toner bottles or cartridges to avoid spilling toner on clothing or the hands.
- If toner is inhaled, immediately gargle with large amounts of cold water and move to a well-ventilated location. If there are signs of irritation or other problems, seek medical attention.
- If toner gets on the skin, wash immediately with soap and cold running water.

- If toner gets into the eyes, flush the eyes with cold running water or eye wash. If there are signs of irritation or other problems, seek medical attention.
- If toner is swallowed, drink a large amount of cold water to dilute the ingested toner. If there are signs of any problem, seek medical attention.
- If toner spills on clothing, wash the affected area immediately with soap and cold water. Never use hot water! Hot water can cause toner to set and permanently stain fabric.
- Always store toner and developer supplies such as toner and developer packages, cartridges, bottles (including used toner and empty bottles and cartridges), and AIO unit out of the reach of children.
- Always store fresh toner supplies or empty bottles or cartridges in a cool, dry location that is not exposed to direct sunlight.
- Do not use a vacuum cleaner to remove spilled toner (including used toner). Vacuumed toner may cause a fire or explosion due to sparks or electrical contact inside the cleaner. However, it is possible to use a cleaner designed to be dust explosion-proof. If toner is spilled over the floor, sweep up spilled toner slowly and clean up any remaining toner with a wet cloth.

Handling the development unit cooling system

For the machines installed the development cooling system:

1. The development unit cooling system circulates propylene glycol from a sealed tank through hoses that pass behind cooling plates on the sides of each development unit.
2. The coolant tank is located at the bottom of the cooling box on the back of the main machine.
3. Always obey local laws and regulations if you need to dispose of a tank or the propylene glycol coolant.
4. The tank must never be emptied directly into a local drainage system, river, pond, or lake.
5. Contact a professional industrial waste disposal organization and ask them to dispose of the tank.

Lithium Batteries for Taiwan

警告

本機器內的鋰電池如果更換不正確型號會有爆炸的危險。
只能使用相同或製造商推薦同等類型的電池進行更換。
請依製造商說明書處理用過之廢棄電池。

Laser Safety

The Center for Devices and Radiological Health (CDRH) prohibits the repair of laser-based optical units in the field. The optical housing unit can only be repaired in a factory or at a location with the requisite equipment. The laser subsystem is replaceable in the field by a qualified Customer Engineer. The laser chassis is not repairable in the field. Customer engineers are therefore directed to return all chassis and laser subsystems to the factory or service depot when replacement of the optical subsystem is required.

⚠ WARNING

- Use of controls, or adjustment, or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

WARNING FOR LASER UNIT

WARNING:

Turn off the main switch before attempting any of the procedures in the Laser Unit section. Laser beams can seriously damage your eyes.



_safe006



_safe007



_safe008

Safety Instructions for the Color Controller

Fuse








The color controller uses a double pole fuse. If this fuse blows, be sure to replace it with an identical fuse.

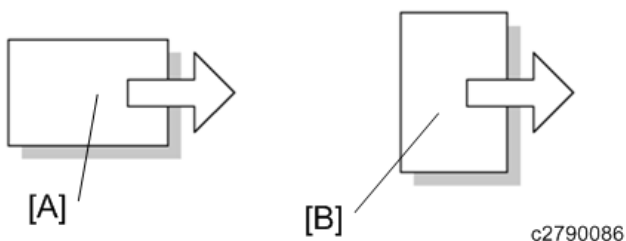
Batteries

1. Always replace a battery with the same type of battery prescribed for use with the color controller unit.
Replacing a battery with any type other than the one prescribed for use could cause an explosion.
2. Never discard used batteries by mixing them with other batteries or other refuse.
3. Always remove used batteries from the work site and dispose of them in accordance with local laws and regulations regarding the disposal of such items.

Symbols, Abbreviations

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

Symbol	What it means
	Clip ring
	Screw
	Connector
	Clamp
	E-ring
	Flat Flexible Cable
	Timing Belt
SEF	Short Edge Feed
LEF	Long Edge Feed
K	Black
C	Cyan
M	Magenta
Y	Yellow
B/W, BW	Black and White
FC	Full color



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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- Microsoft® Internet Explorer® 6
- Windows® Internet Explorer® 7
- Windows® Internet Explorer® 8

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- The product names of Windows Vista are as follows:
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 - Microsoft® Windows Vista® Home Premium
 - Microsoft® Windows Vista® Home Basic
 - Microsoft® Windows Vista® Enterprise
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 - Microsoft® Windows® 7 Professional
 - Microsoft® Windows® 7 Ultimate
 - Microsoft® Windows® 7 Enterprise
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Microsoft® Windows® 8 Pro

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Microsoft® Windows Server® 2012 R2 Standard

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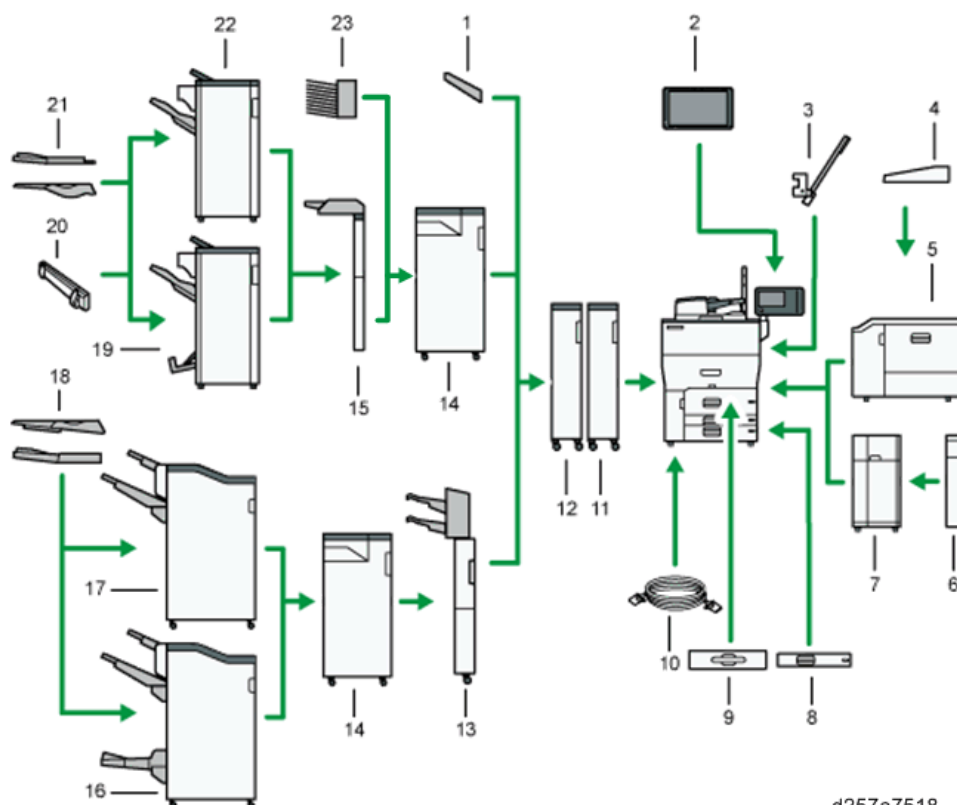
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1. Product Information

Machine Codes and Peripherals Configuration

Pro C5200S/C5210S



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No.	Item	Machine Code	New Option?
1	Copy Tray Type M26	D3D2-03	No
2	Smart Operation Panel Type S6	D3C9-17	Yes
3	Multi Bypass Banner Sheet Tray Type S6	D3D1-17	Yes
4	Banner Sheet Guide Tray for A3/11"x17" LCIT Type S6	D710-02	Yes
5	LCIT RT4050	D710-18	Yes
6	8 ¹ / ₂ ×14 PAPER SIZE TRAY TYPE M2* ¹	D745-17	No
7	LCIT RT4020	D709-17 (NA/TWN) D709-27 (EU/AP/CHN)	No
8	Optional Feed Roller Unit Type S6	D0A2-17	Yes
9	A3/11×17 Tray Unit Type M26	D3D2-02	Yes
10	Copy Connector Type M25	D3D3-01	No
11	Decurl Unit DU5020	D727-17	No
12	Buffer Pass Unit Type S6	D3D0-17 (NA/TWN) D3D0-27 (EU/AP/CHN)	Yes

1.Product Information

No.	Item	Machine Code	New Option?
13	Cover Interposer Tray CI4020	D712-17	No
14	Multi-Folding Unit FD4000	D615-17 (NA/TWN) D615-27 (EU/AP/CHN)	No
15	Cover Interposer Tray CI4040	D3CN-17	No
16	Booklet Finisher SR5080	D3CA-17 (NA/TWN) D3CA-27 (EU/AP/CHN)	Yes
17	Finisher SR5070	D3CB-17 (NA/TWN) D3CB-27 (EU/AP/CHN)	Yes
18	SR5000 series Output Tray for Banner Sheet Type S6*2	D3CC-01	Yes
19	Booklet Finisher SR4130	D3CH-17 (NA/EU/AP) D3CH-21 (CHN)	No
20	Output Jogger Unit Type M25	D3CJ-01	No
21	SR4000 series Output Tray for Banner Sheet Type S6*3	D3CF-01	Yes
22	Finisher SR4120	D3CG-17 (NA/EU/AP) D3CG-21 (CHN)	No
23	Mail Box CS4010	D708	No
-	Multi Bypass Banner Sheet Tray Type S6	D3D1-17	Yes
-	Cooling Fan Unit Type M26*4	D3CK-01	Yes
-	Punch Unit PU5020 NA*5	D449-17	No
-	Punch Unit PU5020 EU*5	D449-27	No
-	Punch Unit PU5020 SC*5	D449-28	No
-	Punch Unit PU3060 NA*6	D706-00	No
-	Punch Unit PU3060 EU*6	D706-01 (EU/AP) D706-03 (CHN)	No
-	Punch Unit PU3060 SC*6	D706-02	No
-	Tab Sheet Holder Type M2	D750-01	No
-	Media Identification Unit Type S3	D3AK-02 (NA/EU/AP) D3AK-04 (CHN)	Yes
-	TCRU/ORU Type S6 (Set A)	D3DP-00	Yes
-	TCRU/ORU Type S6 (Set B)	D3DP-01	Yes
-	TCRU/ORU Type S6 (Set C)	D3DP-02	Yes
-	Optional Counter Interface Unit Type M12	B870-21	No
-	NFC Card Reader Type S6	D3DH-06	Yes
-	Smart Card Reader Built-in Unit Type S6	D3DH-07	No

*1 The extension unit for LCIT RT4020.

*2 The output tray of the banner sheet for Finisher SR5070 and Booklet Finisher SR5080.

*3 The output tray of the banner sheet for Finisher SR4120 and Booklet Finisher SR4130.

*4 The cooling fan kit for Finisher SR4120 and Booklet Finisher SR4130.

*5 The punch unit for Finisher SR5070 and Booklet Finisher SR5080.

*6 The punch unit for Finisher SR4120 and Booklet Finisher SR4130.

Note

- You cannot install multiple finishers simultaneously.
- You cannot install LCIT RT4020 and LCIT RT4050 simultaneously.
- To use Cover Interposer Tray CI4040, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Cover Interposer Tray CI4020, one of the following is also required: Finisher SR5070 or Booklet Finisher SR5080
- To use Mail Box CS4010, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Output Jogger Unit Type M25, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Multi-Folding Unit FD4000, one of the following is also required: Finisher SR4120, Booklet Finisher SR4130, Finisher SR5070, or Booklet Finisher SR5080

Internal Options

Item	Machine Code	New Option?
Extended USB Board Type M19	D3BS-01	No
IEEE 802.11a/g/n Interface Unit Type M19	D3BR-01	No
IEEE 1284 Interface Board Type M19	D3C0-17	No
IPDS Unit Type M26	D3D8-20 (NA) D3D8-21 (EU) D3D8-22 (AP/CHN)	Yes
PostScript3 Unit Type M26	D3D8-05 (NA) D3D8-06 (EU) D3D8-07 (AP/CHN)	Yes
XPS Direct Print Option Type M26	D3D8-24 (NA) D3D8-25 (EU) D3D8-26 (AP/CHN)	Yes
OCR Unit Type M13	D3AC-23 (NA) D3AC-24 (EU) D3AC-25 (AP/CHN)	No
File Format Converter Type M19	D3BR-04	No
DataOverwriteSecurity Unit Type M19	D3BS-03	No
Taiwan Language Kit Type S6	D260-31	Yes
Korean Language Kit Type S6	D260-32	Yes

1.Product Information

↓ Note

- You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.

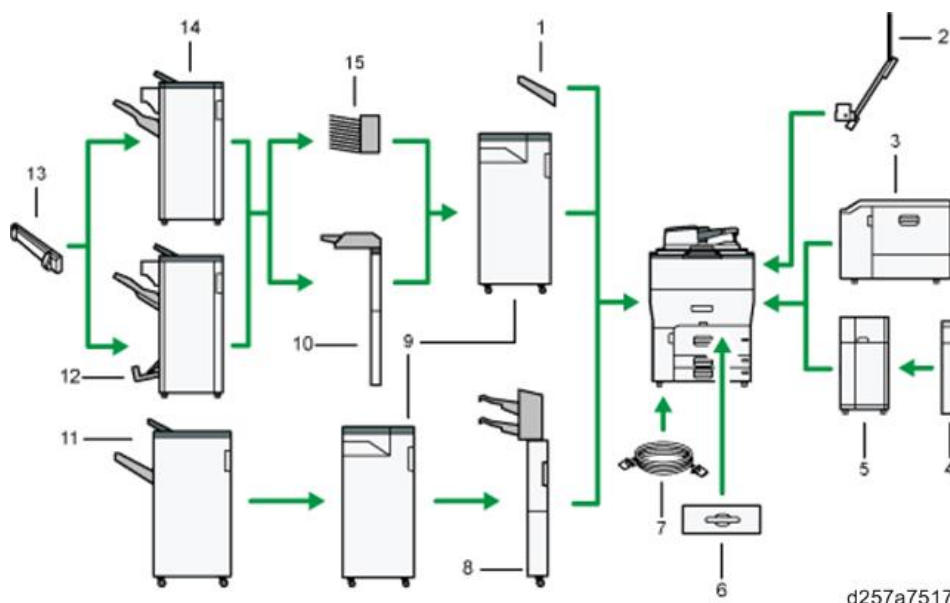
EFI Options

Item	Machine Code	New Option?
Color Controller E-24B	D3CD-01 (NA) D3CD-02 (EU/AP/CHN)	Yes
Color Controller E-44B	D3CE-01	Yes
Fiery Impose	M468-09	Yes
Fiery Compose	M468-10	Yes
Fiery Impose-Compose	M468-11	Yes
Fiery Graphic Package Premium Edition Upgrade	D525-17	No
GA Basic Package	D729-06	No
FACI Furniture Bundle	M391-07	No
Productivity Package	D729-08	No
ES-2000 Spectrophotometer	D525-13	No
EFI Color Profiler Suites v.4.0 Software Only	D525-11	No
Color Profiler Suite v.4.0 with E-2000	D525-10	No
EFI Server HDD Security	D450-11	No
Auto Trapping	D729-10	No
Spot On	D729-12	No
Hot Folders & Virtual Printers	D729-14	No

↓ Note

- Color Controller E-24B and Color Controller E-44B cannot be used simultaneously.

MP C6503/C8003



No.	Item	Machine Code	New Option?
1	Copy Tray Type M26	D3D2-03	No
2	Banner Paper Guide Tray Type M26	D3D2-01	Yes
3	LCIT RT4050	D710-18	No
4	8 ¹ / ₂ ×14 PAPER SIZE TRAY TYPE M2* ¹	D745-17	No
5	LCIT RT4020	D709-17 (NA) D709-27 (EU/AP/CHN)	No
6	A3/11×17 Tray Unit Type M26	D3D2-02	No
7	Copy Connector Type M25	D3D3-01	No
8	Cover Interposer Tray CI4020	D712-17	No
9	Multi-Folding Unit FD4000	D615-17 (NA) D615-27 (EU/AP/CHN)	No
10	Cover Interposer Tray CI4040	D3CN-17	No
11	Finisher SR4110	D707-17	No
12	Booklet Finisher SR4130	D3CH-17 (NA/EN/AP) D3CH-21 (CHN)	No
13	Output Jogger Unit Type M25	D3CJ-01	No
14	Finisher SR4120	D3CG-17 (NA/EU/AP) D3CG-21 (CHN)	No
15	Mail Box CS4010	D708-17	No
-	Cooling Fan Unit Type M31* ²	D770-04	No
-	Cooling Fan Unit Type M26	D3CK-01	Yes
-	Punch Unit PU 5000 NA* ³	B831-01	No
-	Punch Unit PU 5000 EU* ³	B831-02	No

1.Product Information

No.	Item	Machine Code	New Option?
-	Punch Unit PU 5000 SC*3	B831-03	No
-	Punch Unit PU3060 NA*4	D706-00	No
-	Punch Unit PU3060 EU*4	D706-01 (EU/AP) D706-03 (CHN)	No
-	Punch Unit PU3060 SC*4	D706-02	No
-	Tab Sheet Holder Type M2	D750-01	No
-	Optional Counter Interface Unit Type M12	B870-21	No
-	Smart Card Reader Built-in Unit Type M19	D3BS-22	No
-	External Keyboard Bracket Type M25	D3DH-04	No
-	NFC Card Reader Type M19	D3BS-21	No

*1 The extension unit for LCIT RT4020.

*2 The cooling fan kit for Finisher SR4110.

*3 The punch unit for Finisher SR4110.

*4 The punch unit for Finisher SR4120 and Booklet Finisher SR4130.

Note

- You cannot install multiple finishers simultaneously.
- You cannot install LCIT RT4020 and LCIT RT4050 simultaneously.
- To use Cover Interposer Tray CI4020, Finisher SR4110 is required.
- To use Cover Interposer Tray CI4040, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Mail Box CS4010, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Output Jogger Unit Type M25, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130
- To use Multi-Folding Unit FD4000, one of the following is also required: Finisher SR4120, Booklet Finisher SR4130, or Finisher SR4110

Internal Options

Item	Machine Code	New Option?
Enhanced Security HDD Option Type M12	D3A6-02	No
Fax Option Type M26	D3D9-01 (NA) D3D9-02 (EU) D3D9-03 (AP) D3D9-05 (CHN)	Yes
Fax Connection Unit Type M26	D3D8-01 (NA) D3D8-02 (EU) D3D8-03 (AP/CHN)	Yes
G3 Interface Unit Type M26	D3D9-07 (NA)	Yes

1.Product Information

Item	Machine Code	New Option?
	D3D9-08 (EU/AP)	
Fax Memory Unit Type M26 64MB	D3D9-12	Yes
Extended USB Board Type M19	D3BS-01	No
IEEE 802.11a/g/n Interface Unit Type M19	D3BR-01	No
IEEE 1284 Interface Board Type M19	D3C0-17	No
IPDS Unit Type M26	D3D8-20 (NA) D3D8-21 (EU) D3D8-22 (AP/CHN)	Yes
PostScript3 Unit Type M26	D3D8-05 (NA) D3D8-06 (EU) D3D8-07 (AP/CHN)	Yes
XPS Direct Print Option Type M26	D3D8-24 (NA) D3D8-25 (EU) D3D8-26 (AP/CHN)	Yes
OCR Unit Type M13	D3AC-23 (NA) D3AC-24 (EU) D3AC-25 (AP/CHN)	No
File Format Converter Type M19	D3BR-04	No
USB Device Server Option Type M19	D3BC-28 (NA) D3BC-29 (EU/AP)	No
DataOverwriteSecurity Unit Type M19	D3BS-03	No
Camera Direct Print Card Type M26	D3D8-13	Yes
Unicode Font Package for SAP(R) 1 License	B869-01	No
Unicode Font Package for SAP(R) 10 License	B869-02	No
Unicode Font Package for SAP(R) 100 License	B869-03	No
SD Card for Fonts Type D	D641-54	No

↓ Note

- You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.
- You cannot install Extended USB Board Type M19 and USB Device Server Option Type M19 simultaneously.

1.Product Information

Specifications

See "Appendices" for the following information:

- General Specifications
- Supported Paper Sizes
- Software Accessories
- Optional Equipment

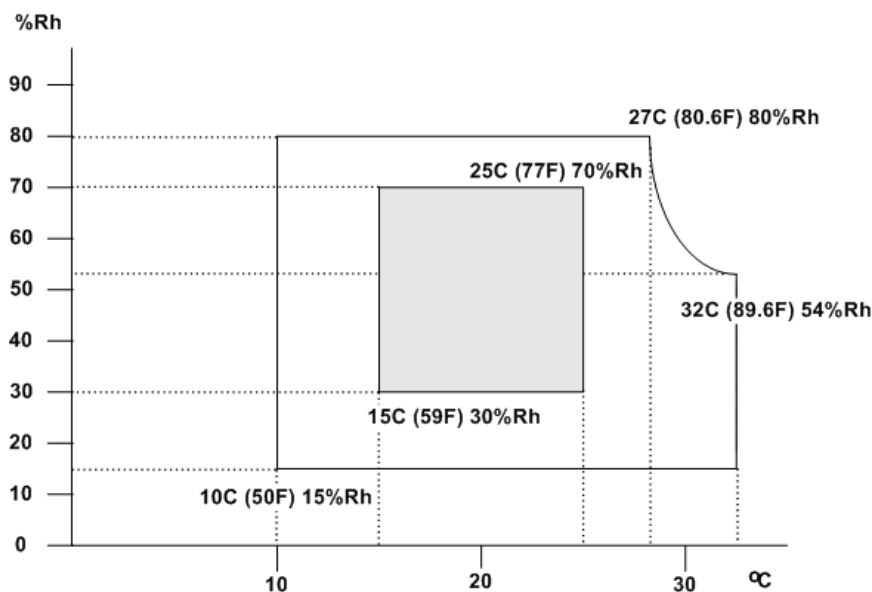
2. Installation

Installation Requirements

★ Important

- Install the machine in a safe place, to maintain security.
- Make sure that the operating instructions are kept at a convenient place for the customer.

Environment

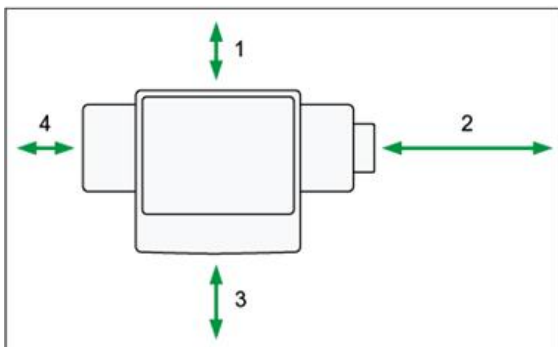


Temperature Range:	10°C to 32°C (50°F to 90°F)
Humidity Range:	15% to 80% RH
Ambient Illumination:	Less than 1,500 lux (do not expose to direct sunlight.)
Ventilation:	Room air should turn over at least three times/hr/person
Ambient Dust:	Less than 0.10 mg/m ³ (2.7 x 10 ⁻⁶ oz/yd ³)
<ol style="list-style-type: none"> 1. Avoid areas exposed to sudden temperature changes: <ol style="list-style-type: none"> 1) Areas directly exposed to cool air from an air conditioner. 2) Areas directly exposed to heat from a heater. 2. Do not place the machine where it will be exposed to corrosive gases. 3. Do not install the machine at any location over 2,000 m (6,500 ft.) above sea level. (NA models can be installed at up to 2,500m (8,200 ft.)) 4. Place the main machine on a strong and level base. Inclination on any side should be no more than 5 mm (0.2"). 5. Do not place the machine where it may be subjected to strong vibrations. 	

2.Installation

Minimum Space Requirements

The following space is required for the user to use the machine. If you cannot secure this space, then you will not be able to ensure the machine's usability. Make this space to avoid causing damage.

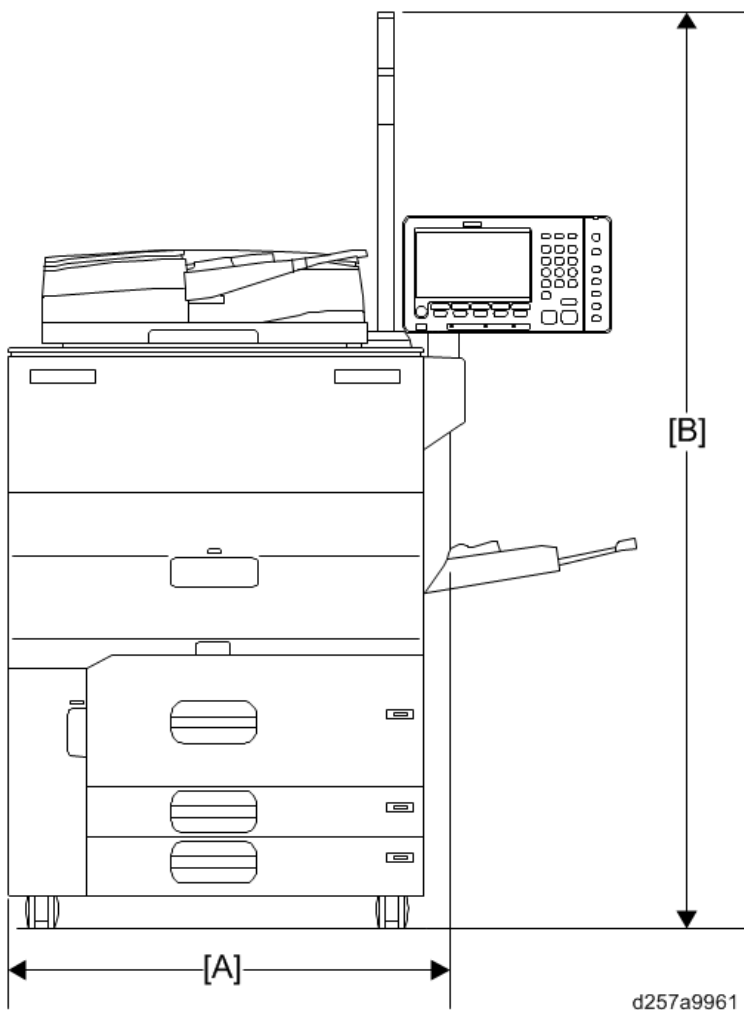


d1352761

1 Rear	100mm (4")
2 Right	900mm (35.5")
3 Front	400mm (15.7")
4 Left	100mm (4")

Dimensions

Pro C5200S/C5210S

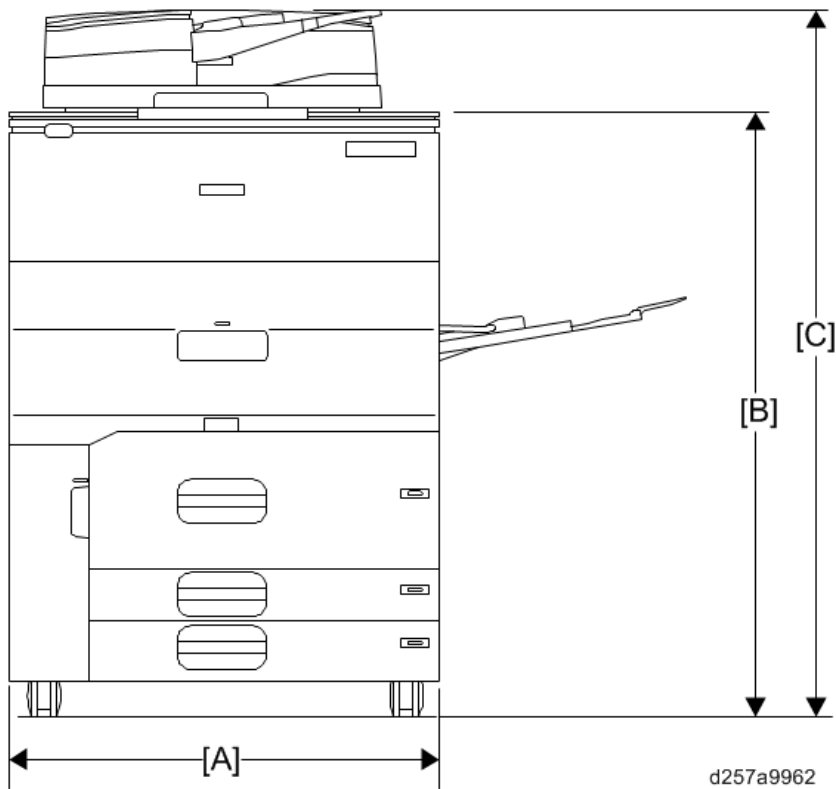


[A]: 799 mm

[B]: 1648 mm

2.Installation

MP C6503/C8003



[A]: 750 mm

[B]: 1050 mm

[C]: 1225 mm

Power Requirements

⚠ CAUTION

- Make sure that the wall outlet is near the main machine and easily accessible. Make sure the plug is firmly inserted in the outlet.
- Avoid multi-wiring.
- Be sure to ground the machine.
- Never set anything on the power cord.
- Rating voltage of output connectors [A] and [B] for peripherals: Max.DC 24V





d257a9003

Input voltage level (Pro C5200S/C5210S)

Destination	Model	Power supply voltage	Rated current consumption
NA	Pro C5200S	208 to 240V	12A
	Pro C5210S	208 to 240V	12A
EU	Pro C5200S	220 to 240V	12 to 10A
	Pro C5210S	220 to 240V	12 to 10A
AP	Pro C5200S	220 to 240V	12 to 10A
	Pro C5210S	220 to 240V	12 to 10A
TWN	Pro C5200S	220 to 240V	12 to 10A
	Pro C5210S	220 to 240V	12 to 10A
CHN	Pro C5200S	220 to 240V	12 to 10A
	Pro C5210S	220 to 240V	12 to 10A

Input voltage level (MP C6503/C8003)

Destination	Model	Power supply voltage	Rated current consumption
NA	MP C6503	120 to 127V	16A
	MP C8003	208 to 240V	12A
EU	MP C6503	220 to 240V	12 to 10A
	MP C8003	220 to 240V	12 to 10A
AP	MP C6503	220 to 240V	12 to 10A
	MP C8003	220 to 240V	12 to 10A
CHN	MP C6503	220 to 240V	12 to 10A
	MP C8003	220 to 240V	12 to 10A

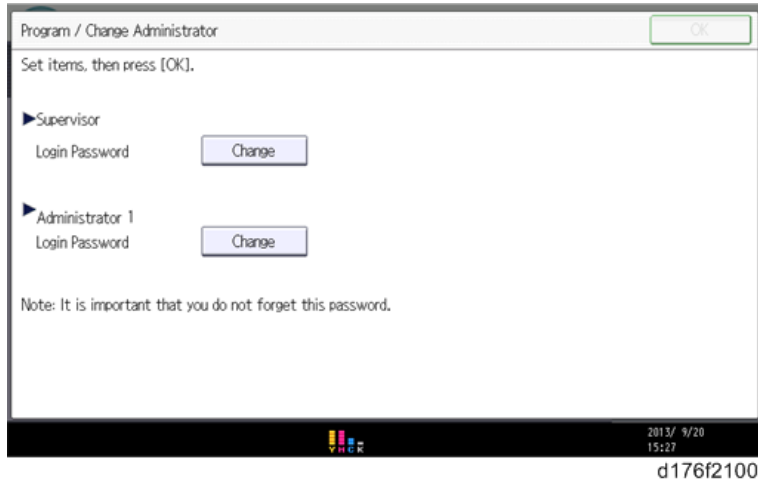
Main Machine Installation (Pro C5200S/C5210S)

Important Notice on Security Issues (Pro C5200S/C5210S)

In order to increase the security of the MFP, and to ensure that the customer sets the administrator password, an administrator set/change prompt display is shown at the first power-up.

Overview

- The following Program/Change Administrator screen is displayed at the first power-up.



- When the customers set the administrator/supervisor login password, the display disappears and the home display will appear. The customers, however, can erase this screen with the following procedure in the case that they think there is no need to set the password.

1. On the Program/Change Administrator screen, press [Change] next to Supervisor and then touch [OK] without inputting any password.
2. Touch [OK] again when the Confirm password display shows up.
3. For Administrator 1, do the same procedure as steps 1 and 2.
4. Press the [OK] button, and then turn the power OFF/ON.

SP5-755-002 (Display Setting: Hide Administrator Password Change Scrn) allows you to skip this screen temporarily and continue the installation procedure without setting an administrator password. However, the Program/Change Administrator screen appears every time you turn the power OFF/ON, if the password is not set.

Password Setting Procedure

Note

For more details about this security issue, see "Notes on Using Multi-Function Printers Safely" supplied with the MFP.

CAUTION

When Supervisor / Administrator 1-4 passwords are configured via network, the "Change Supervisor login password" window won't display.

The passwords for Supervisor or Administrator 1 to 4 can be set via "System Settings". But the Program/Change Administrator screen appears every time the power switch is turned ON if the passwords are input this way. So we

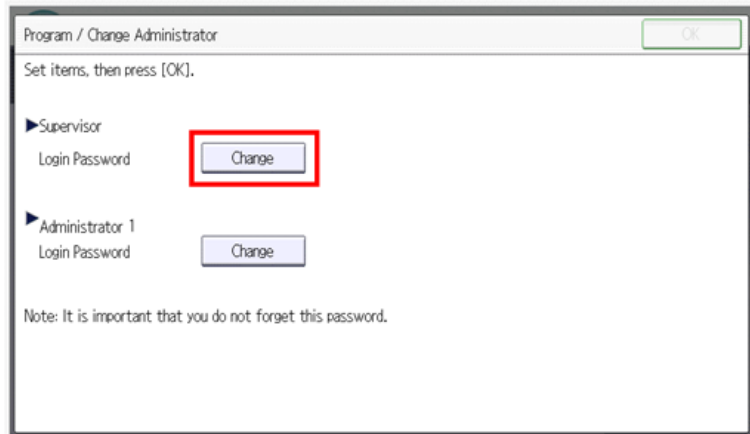
recommend the customers to set the passwords via network or the Program/Change Administrator screen.

1. Install the machine.

2. Turn ON the main power.

The password change display appears.

3. Press [Change] and change the supervisor login password.

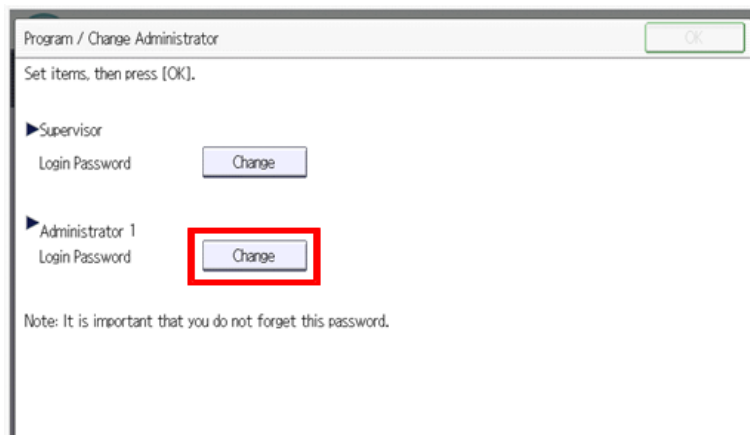


d176f2101

4. Input the password, and then press [OK].

5. Confirm the password, and then press [OK].

6. Change the administrator 1 login password.



d176f2106

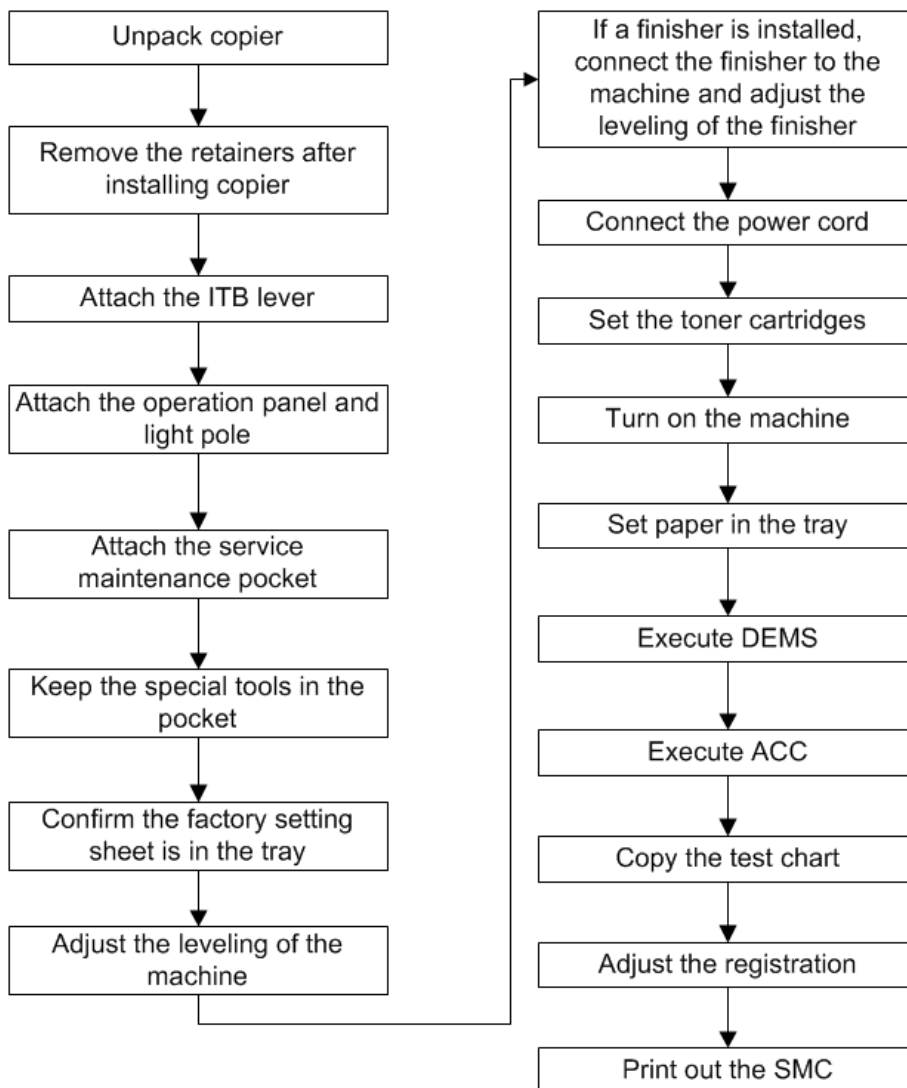
7. Input the password, and then press [OK].

8. Confirm the password, and then press [OK].

9. Turn the main power OFF and back ON again.

2.Installation

Installation Flow Chart (Pro C5200S/C5210S)



w_d257a5079_en

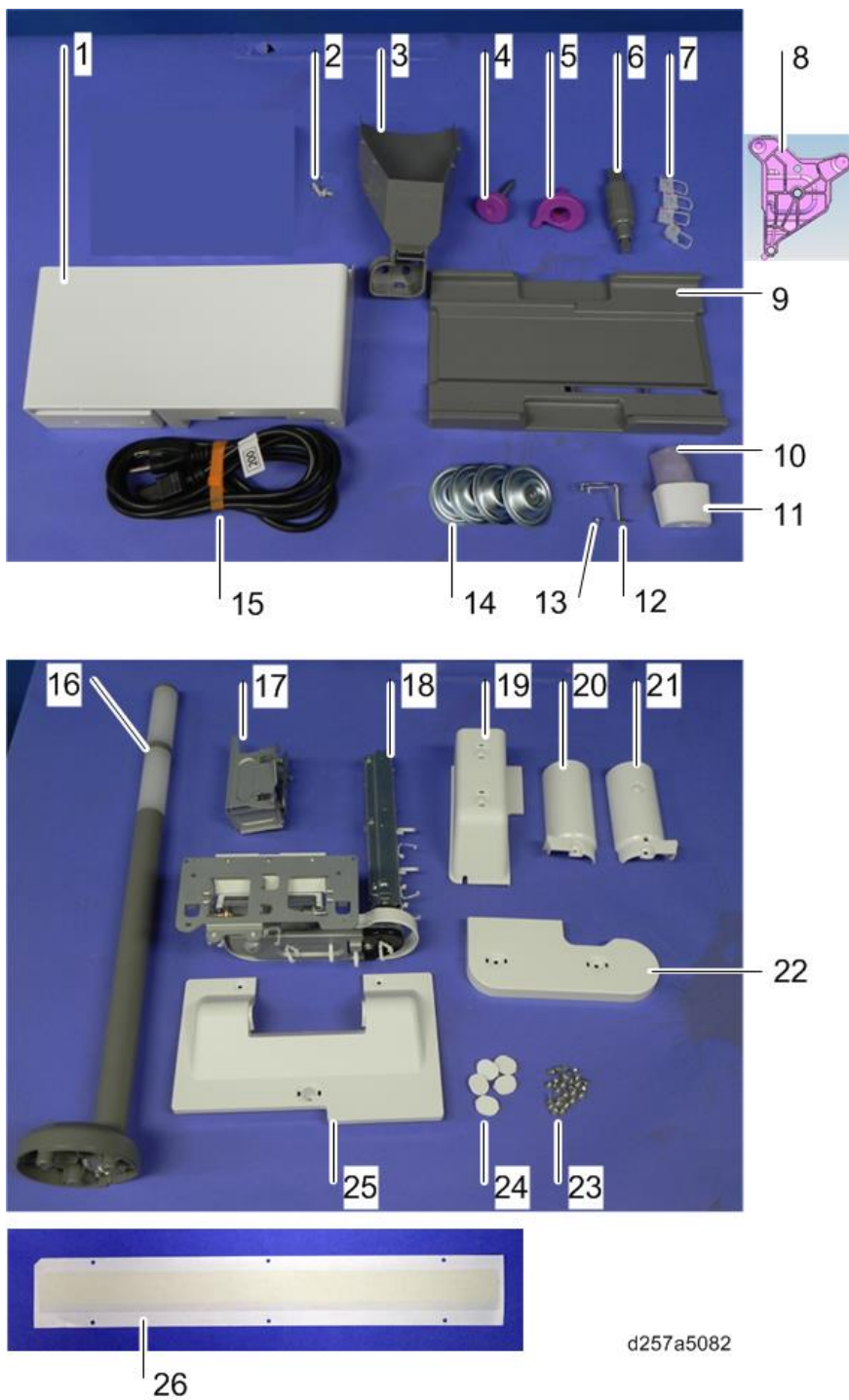
Accessory Check (Pro C5200S/C5210S)

No	Description	Q'ty	
		Pro C5200S	Pro C5210S
1	Service Pocket	1	1
2	Rivet - Dia5	2	2
3	Developer Funnel	1	1
4	Drum Holder (front)	1	1
5	Drum Holder (rear)	1	1
6	Jig for Development Unit	1	1
7	Development Cap	4	4
8	Jig for Paper Transfer Belt Unit	1	1
9	PCDU Holder	1	1

2.Installation

No	Description	Q'ty	
		Pro C5200S	Pro C5210S
10	Cloth - DF Exposure Glass	1	1
11	Cloth Holder	1	1
12	Power Cord Protection Plate	1	1
13	Screw - M3 x 6	1	1
14	Leveling Shoes	4	4
15	Power Cord	1	1
16	Tube Type Lamp	1	1
17	Operation Panel Arm Guide Plate	1	1
18	Operation Panel Arm	1	1
19	Operation Panel Post Lower Cover	1	1
20	Operation Panel Post Front Cover	1	1
21	Operation Panel Post Rear Cover	1	1
22	Operation Panel Arm Upper Cover	1	1
23	Tapping Screw - 3 x 6	28	28
24	Screw Cover	5	5
25	Operation Panel Rear Cover	1	1
26	Guide Sheet	1	1

2.Installation



Installation Procedure (Pro C5200S/C5210S)

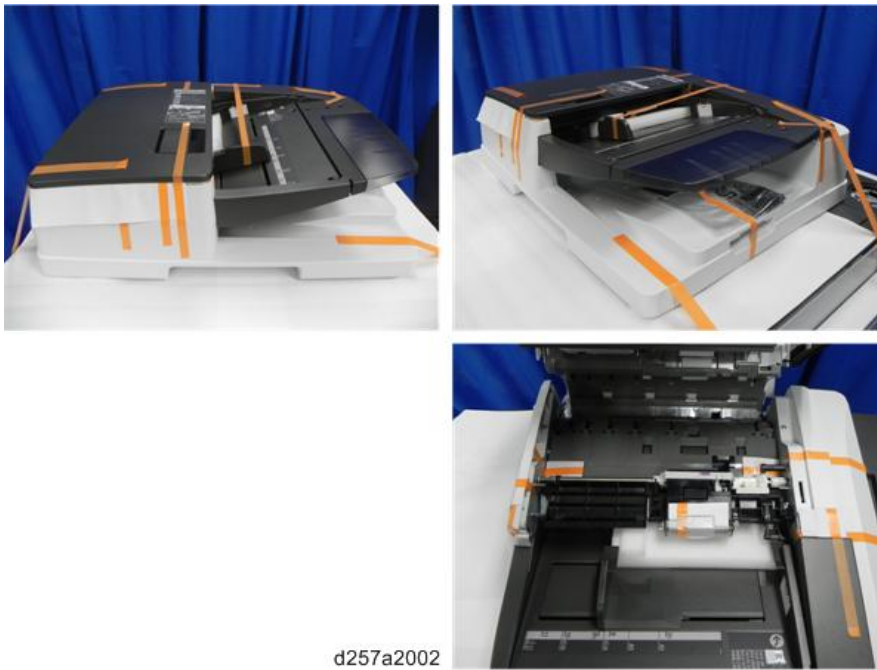
Unpacking the Machine

1. Unpack the machine and remove all the wrapping.
2. Place the machine at the installation site.

- 3.** Remove all filament tape from the machine.

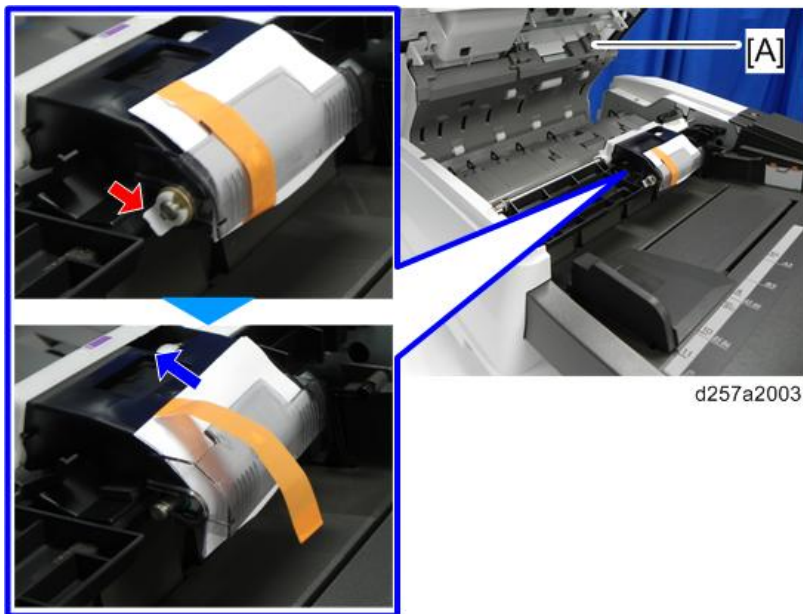


- 4.** Remove the filament tape and the cushion at the ADF.



2.Installation

5. Open the feed cover [A] and remove the protection sheet.



d257a2003

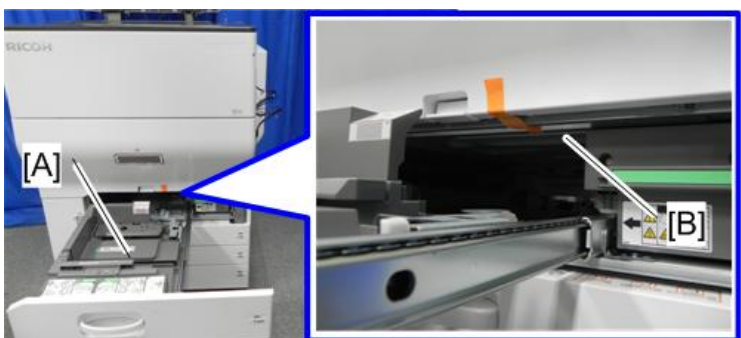
Ⓢ×1

6. Open the ADF [A] and release the lever to open the white board. Then remove the protection sheet.



d257a2004

7. Open the tandem tray [A] and remove the filament tape at the duplex unit [B].



d257a2005

8. Remove the power cable from paper tray 2.

9. Remove the operation panel from paper tray 3.



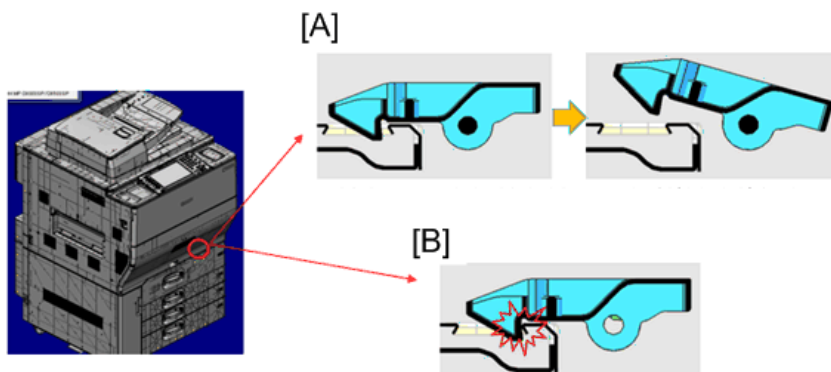
d257a2006

Attaching the ITB Separation Lever

When unpacking the machine, the ITB separation lever is not yet attached to the correct location. Be sure to attach the lever when installing the machine.

Note

After transporting the machine, the load on the front part of the machine may cause the drawer unit to become stuck, making it impossible to draw it out.



d257a5081

[A] (Normal): When the drawer unit is pulled, the lock mechanism is lifted and the drawer unit is unlocked.

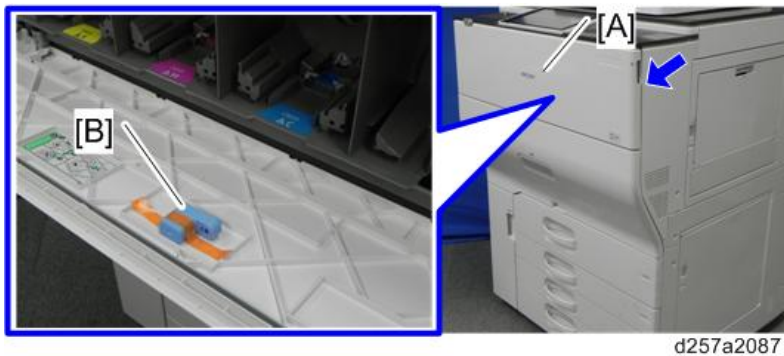
[B] (Abnormal): The drawer unit is stuck.

If this happens, push the drawer unit in and try pulling it out again.

Also, please note that when the power is turned ON, the drawer unit will be pulled in automatically, and this will solve the problem.

2. Installation

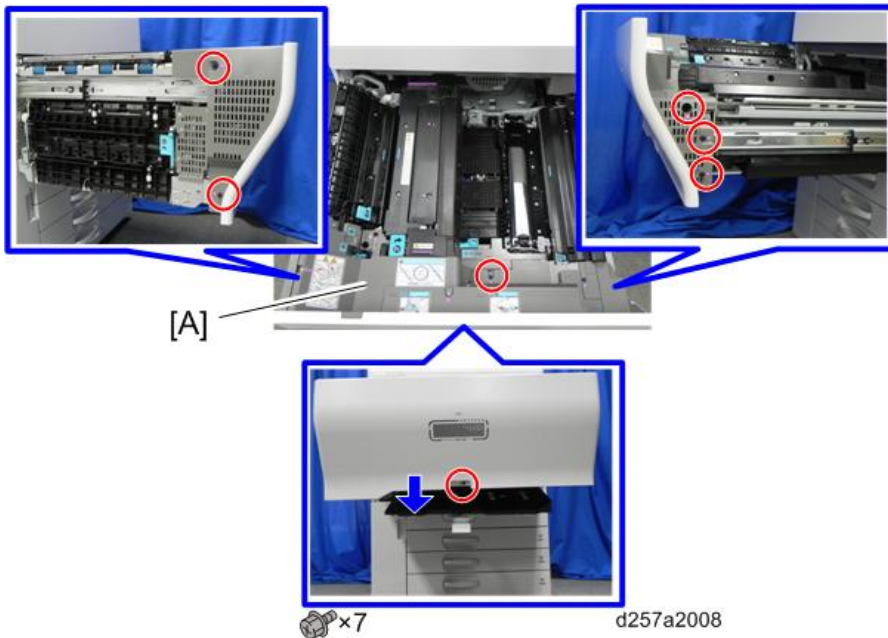
1. Open the toner supply unit front cover [A], and remove the ITB separation lever [B].



2. Open the drawer unit [A].



3. Remove the drawer unit cover [A].

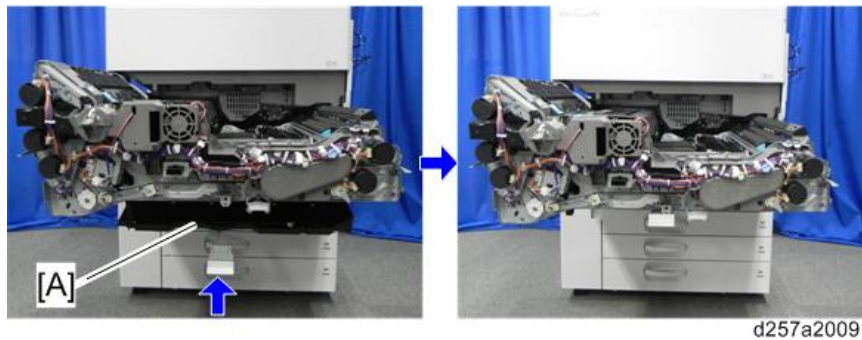


Note: TCRU screws

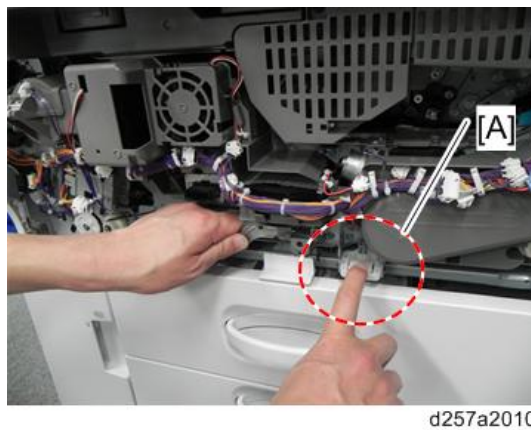
4. Close the drawer unit.

Note

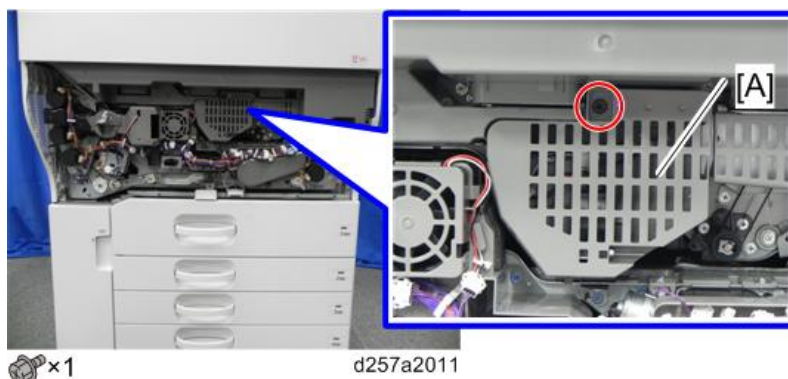
- Pushing the drawer unit back into the machine allows you to close the guide plate [A] of the paper exit and duplex unit after removing the drawer unit cover.



- Make sure to hold down the lock lever [A] when pulling out the drawer unit. The drawer unit is locked in place by this lever.



5. Remove the ITB cleaning intake fan [A] along with the duct.



Note: TCRU screws

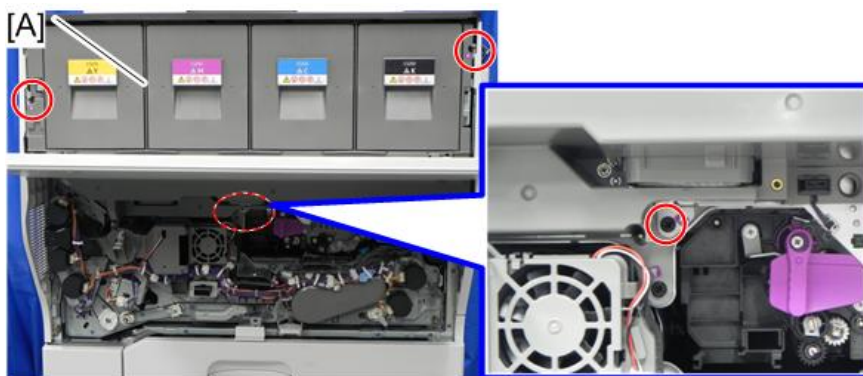
2.Installation

6. Open the toner supply unit front cover [A].



d257a2012

Remove the fixing screws of the toner supply unit [A].



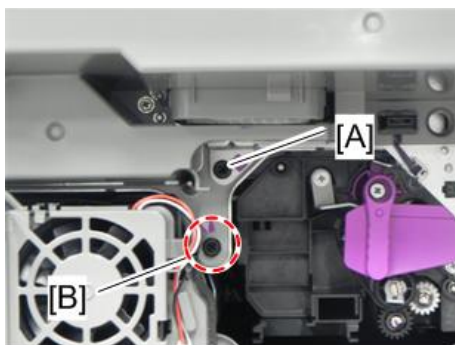
⌀×3

d257a2013

Note: TCRU screws

Note

Do not remove the screw [B] below the toner supply unit fixing screw [A] because it is used to fix the faceplate.



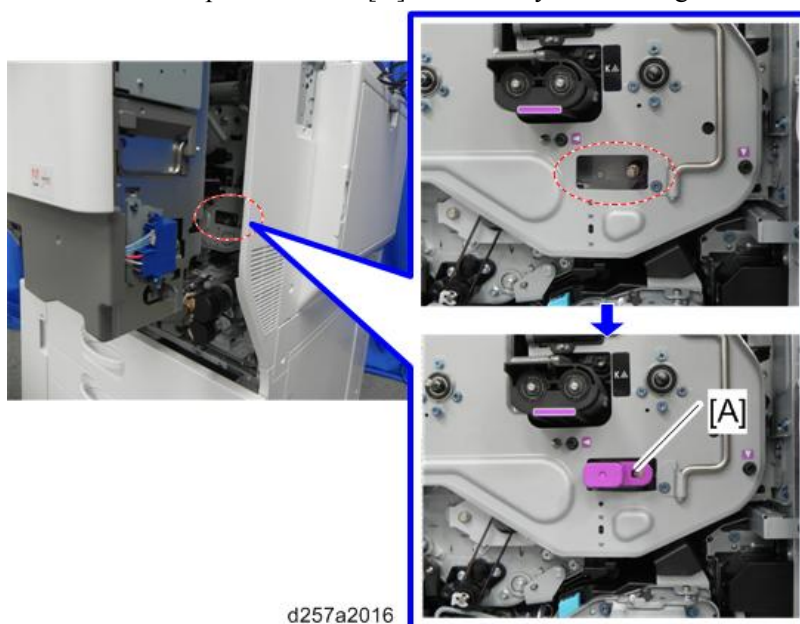
d257a2014

7. Slide the toner supply unit [A] to the front.



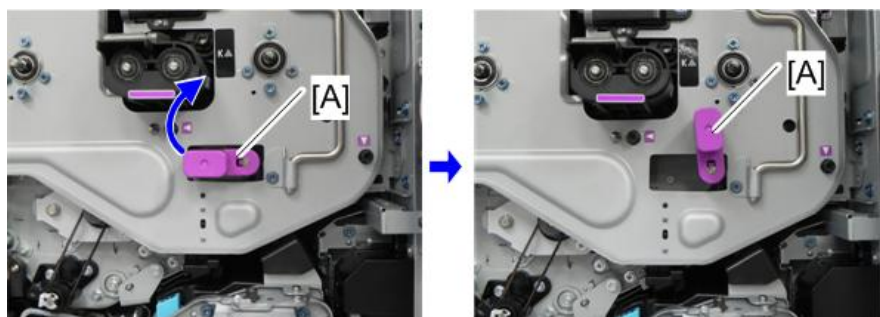
d257a2015

8. Attach the ITB separation lever [A] horizontally from the right side of the machine.



d257a2016

9. Turn the ITB separation lever [A] clockwise until it stops.



d257a2017

10. Return the toner supply unit to the machine and secure it with the screws.

11. Attach the ITB cleaning intake fan and drawer unit cover

Operation Panel Attachment

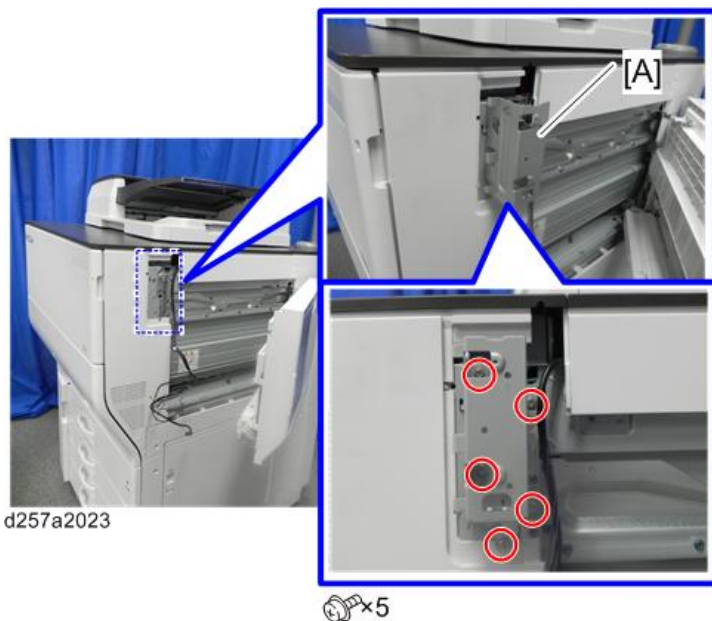
↓ Note

- When you install the standard operation panel, follow the instructions in this section.

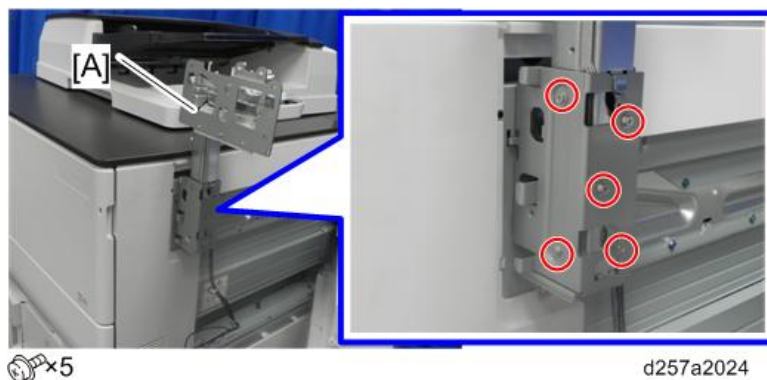
2. Installation

- When you install the smart operation panel, follow the instructions in [Smart Operation Panel Type S6 \(D3C9\) \(Pro C5200S/C5210S Only\)](#).

1. Attach the arm stay [A] for the operation panel.

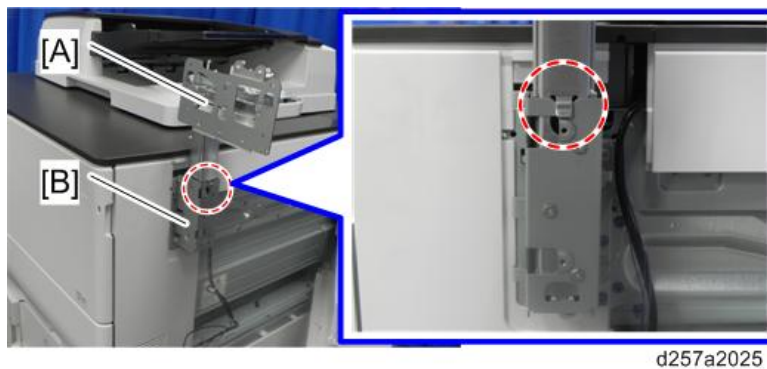


2. Attach the operation panel arm.

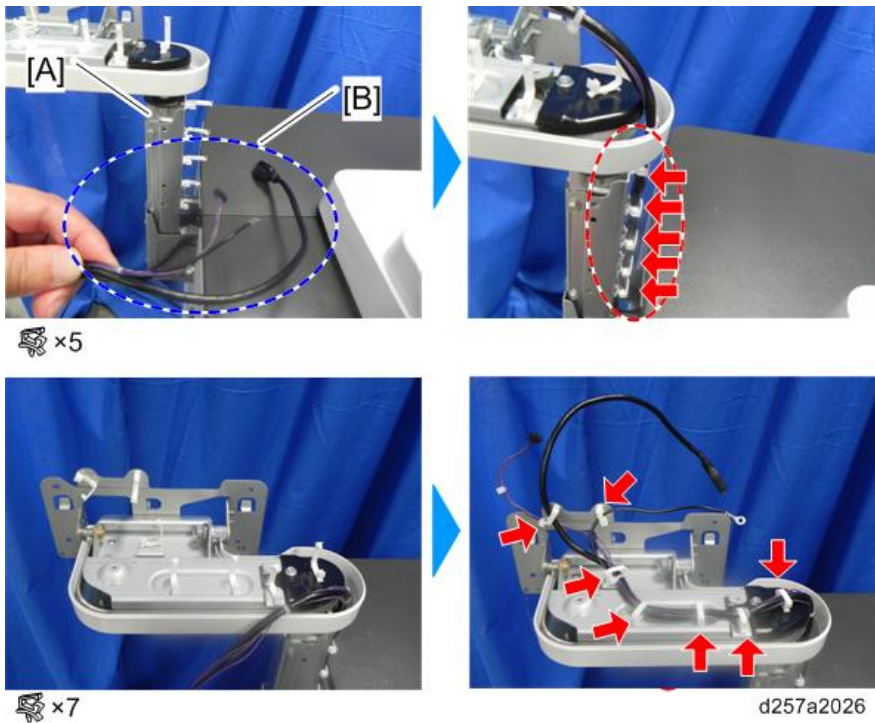


Note

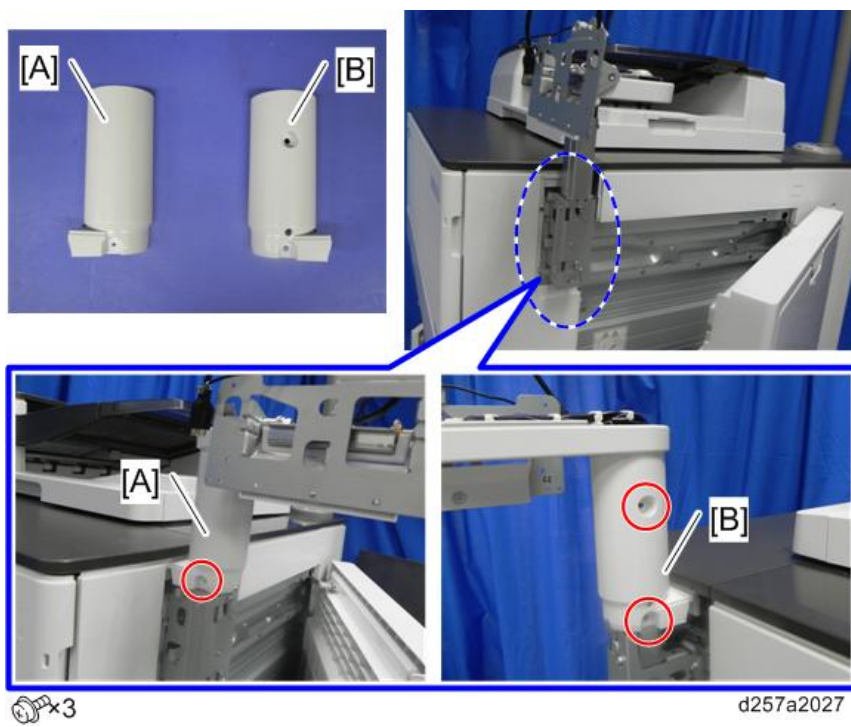
Position the hook of the operation panel arm [A] over the arm stay [B].



3. Route the harness [B] around the operation panel arm [A].



4. Attach the the rear cover [B], and then attach the front cover [A].

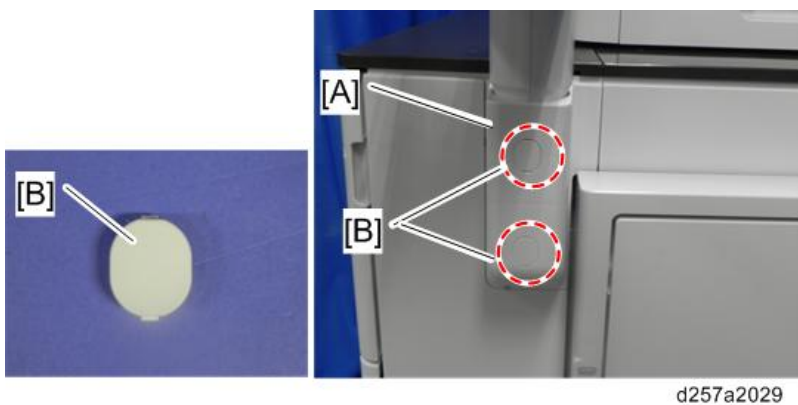


2.Installation

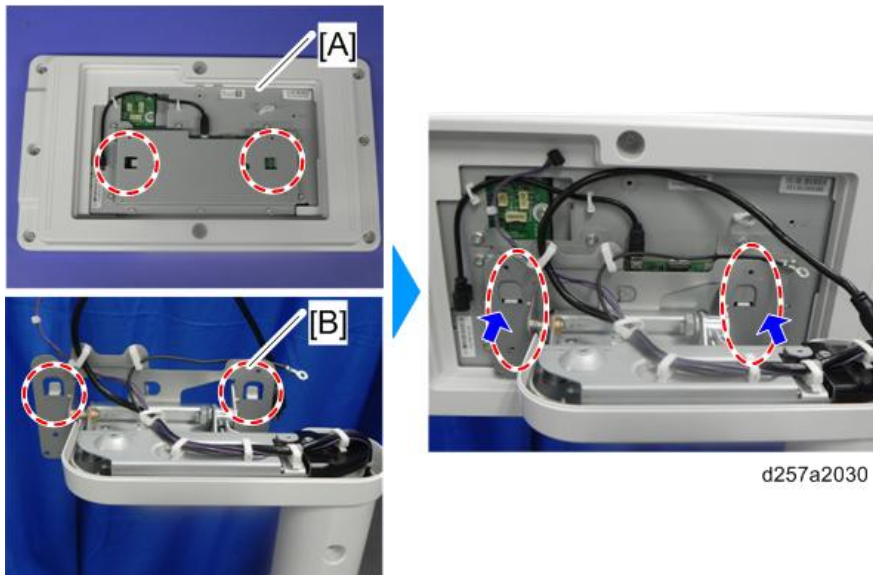
5. Attach the arm cover [A].



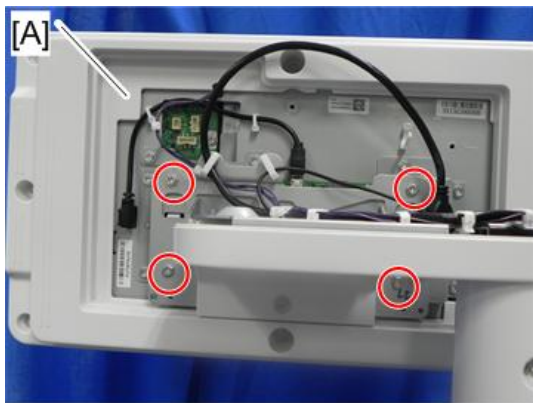
6. Attach the screw covers [B] on the arm cover [A].



7. Attach the operation panel [A], fitting it on the hooks of the operation panel arm [B].



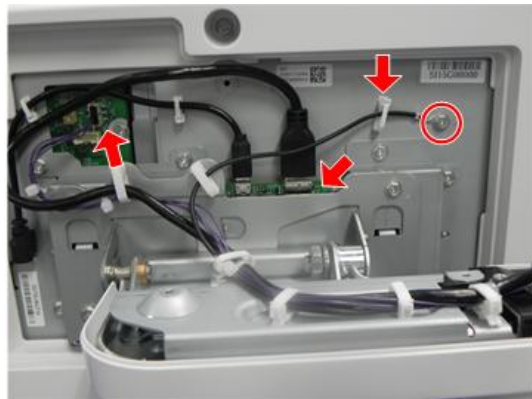
- 8.** Secure the operation panel [A].






 x4

d257a2031

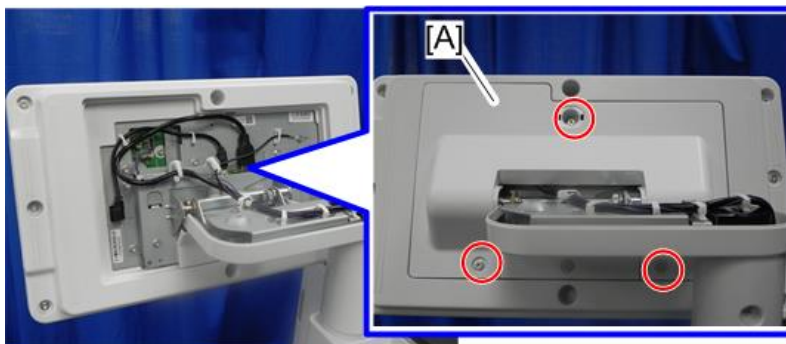
- 9.** Fix the ground cable and connect the connectors.



 x1  x2  x1

d257a2032

- 10.** Attach the rear cover [A].

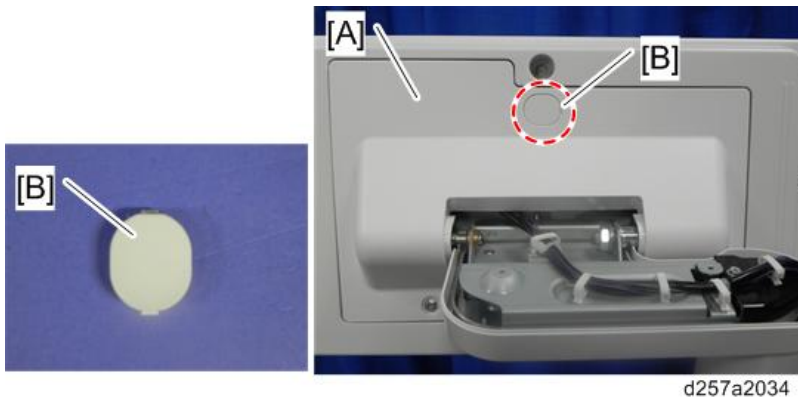


 x3

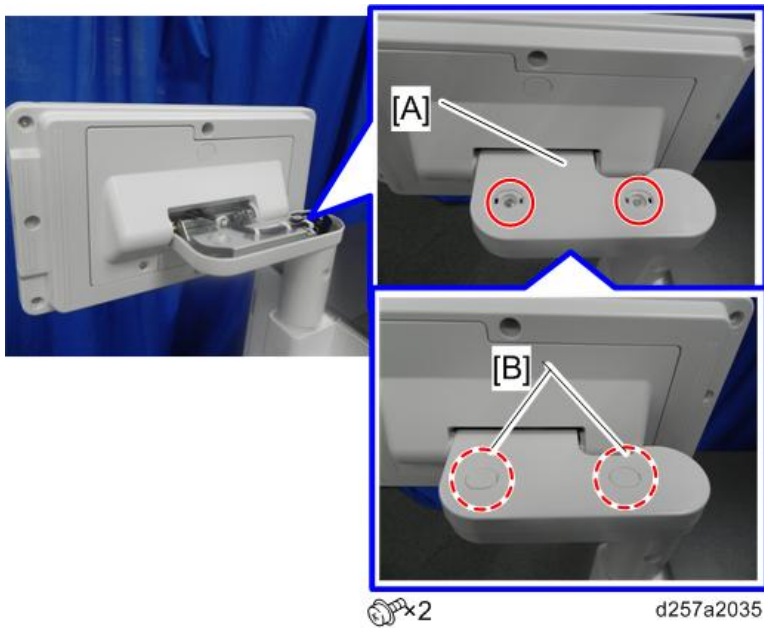
d257a2033

2. Installation

- 11.** Attach the screw cover [B] to the rear cover [A].



- 12.** Attach the arm upper cover [A] and the screw covers [B].

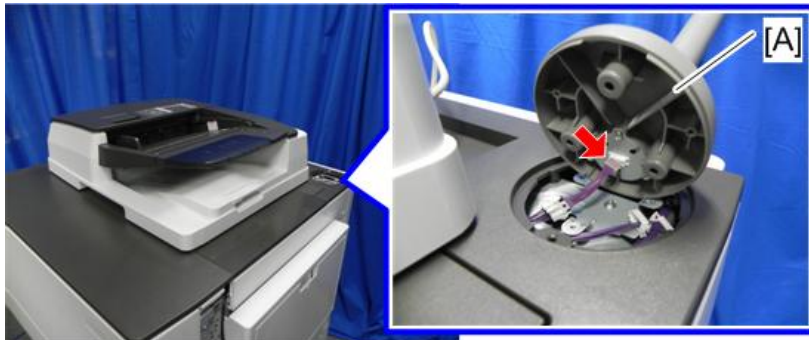


- 13.** Remove the protection sheet [A].



Operator Call Light Attachment

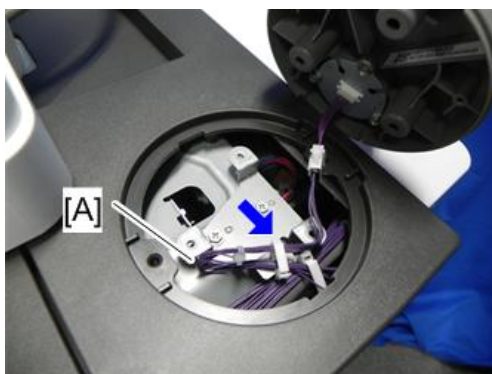
1. Connect the machine to the operator call light [A].



 x1

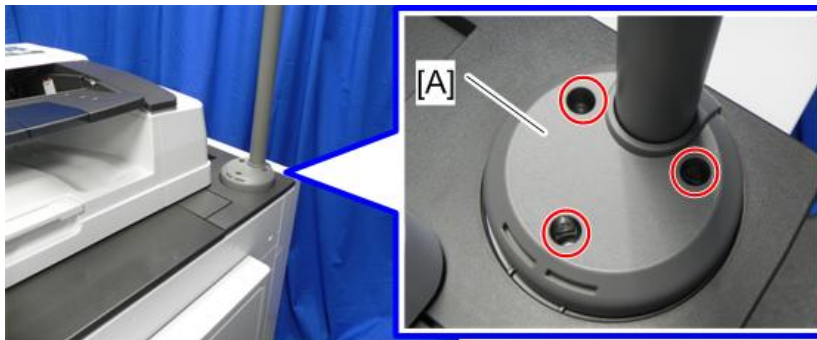
d257a2019

2. Fold back the harness [A] and clamp it.



d257a2020

3. Attach the operator call light [A].



 x3

d257a2021

 **Note**

When attaching the operator call light, be careful not to pinch the harness. Fix the light after checking visually from the front and back.

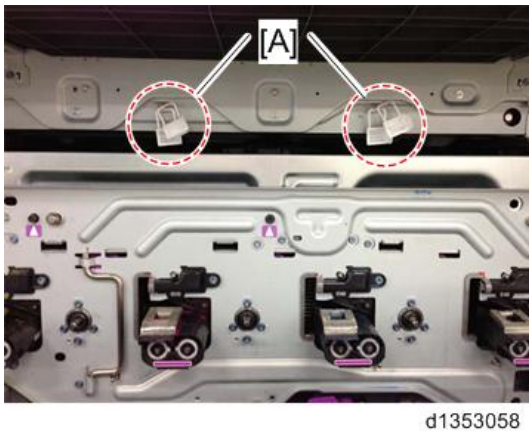
2. Installation



Storing the Supply Port Caps for the Developer

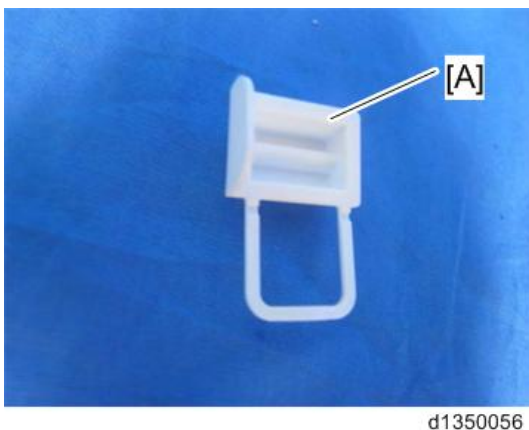
TCRU/ORU Contracts

When a TCRU/ORU user removes the PCDU from the machine, they must use the caps (x 4) to prevent developer from spilling. When installing the machine, attach the caps [A] to the clamping positions shown below.



Not TCRU/ORU Contracts

Store the caps [A] (x 4) in the service pocket for the operating instructions. Use them during maintenance if needed.

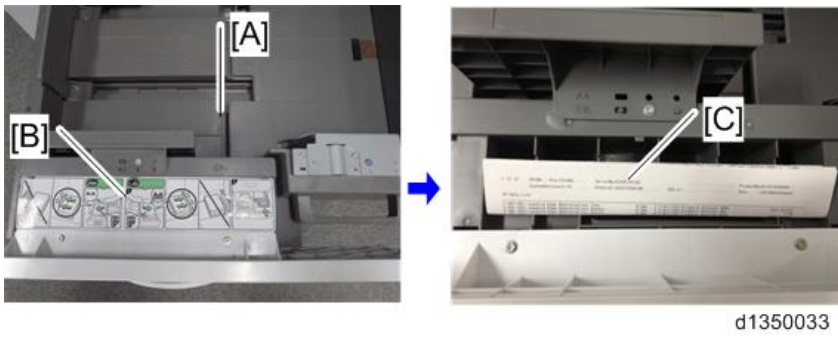


Storing the Factory SP Sheet

On a newly delivered machine, the factory SP sheet is located on the exposure glass.

Open the tandem tray [A], and remove the paper set sheet [B]. Confirm that the factory SP sheet [C] is stored

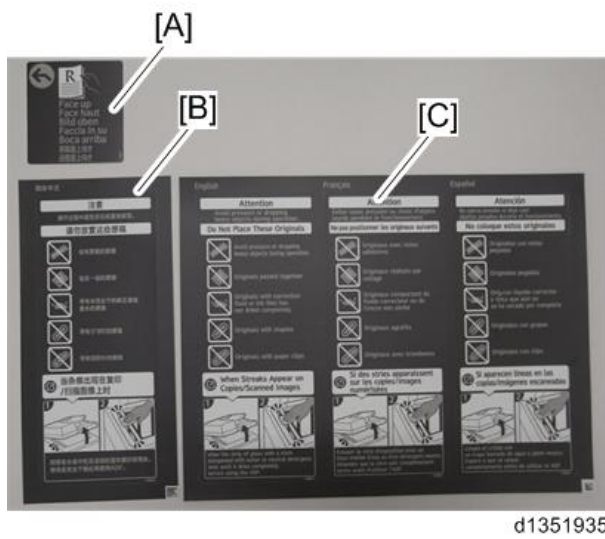
inside.



d1350033

Attaching the decals

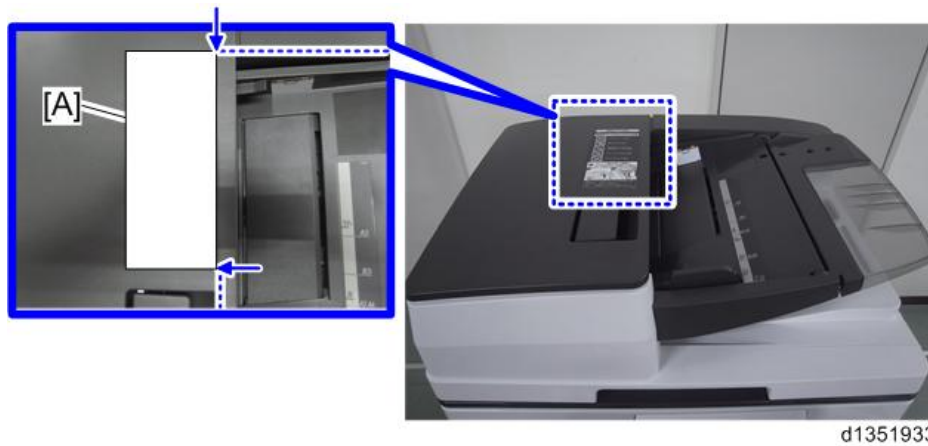
1. Prepare the ADF paper set decal [A] and ADF caution decal ([B] or [C]).



d1351935

- [B]: ADF caution decal for China
- [C]: ADF caution decal for other countries

2. Attach the ADF caution decal to the position [A] on the ADF.



d1351933

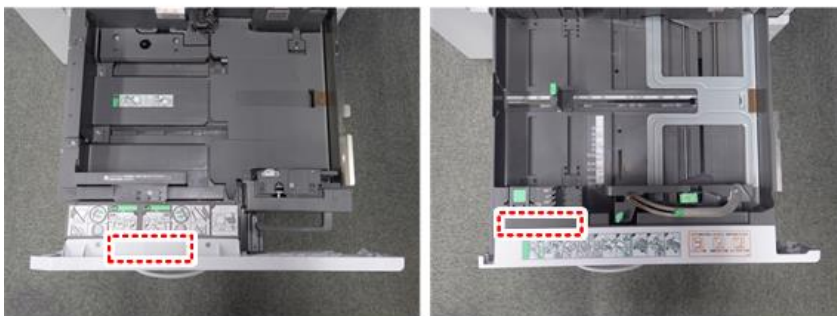
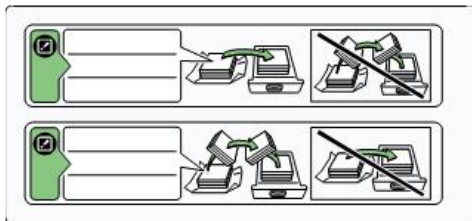
2. Installation

3. Attach the ADF paper set decal [A] in the indentation in the ADF.



d1351934

4. According to the paper that will be used by the customer, select and attach the following decals to the 1st tray, 2nd tray and 3rd tray.



d257a7237

Note

- Paper type, brand, etc can be written on the blank space.

Machine Level Adjustment

When installing the main machine, make the machine level.

★ Important

- If the machine is not leveled, the tilt of the machine reduces the accuracy in side-to-side registration.
- The front and rear side of the machine must be less than 5 mm (0.2") away from level.

1. Place the four shoes [A] below the bolts [B] under each corner of the machine.

2. Turn the nuts [B] to lower the bolt until the bolts reach the leveling shoes [A].

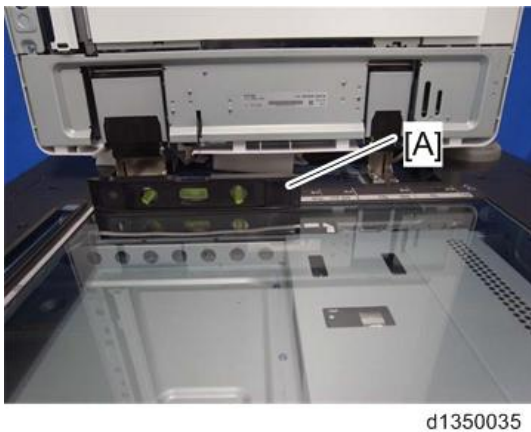
Example below: Front side



Note

- Use a wrench to raise or lower the nuts.

3. Open the ADF, and then place a level [A] on the exposure glass.

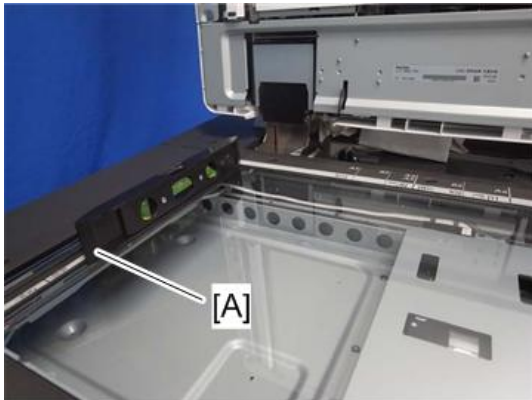


4. Adjust the machine level until the machine is less than 5mm from level (measure from left-to-right).

- When the right side of the machine is lower: Lower the nuts of the right side of the machine (front and rear) to lift the right side of the machine.
- When the left side of the machine is lower: Lower the nuts of the left side of the machine (front and rear) to lift the left side of the machine.

2. Installation

- 5.** Open the ADF, and then place the level [A] along the side.

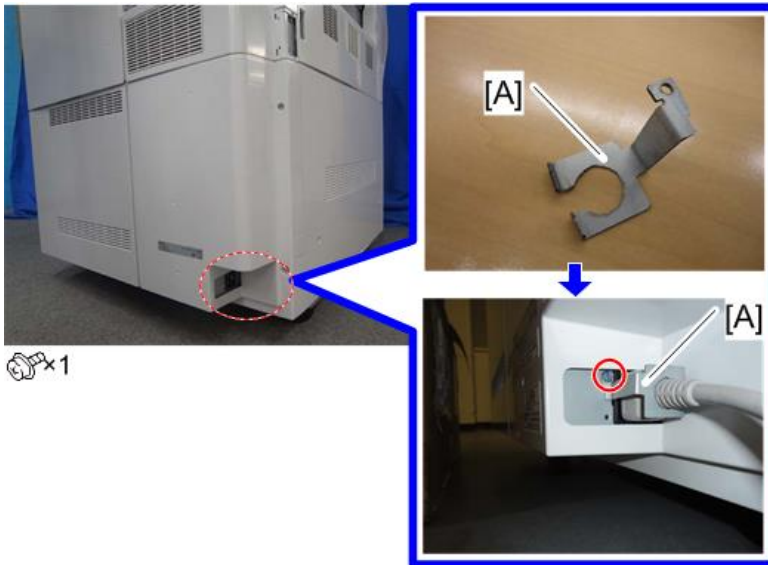


d1350036

- 6.** Adjust the machine level until the machine is less than 5mm from level (measure from front-to-rear).
- When the front side of the machine is lower: Lower the nuts of the front side of the machine (left and right) to lift the front of the machine.
 - When the rear side of the machine is lower: Lower the nuts of the rear side of the machine (left and right) to lift the rear of the machine.

Installing the Securing Bracket to Prevent the Power Cord from Falling Off

- 1.** Install the securing bracket [A] to prevent the power cord from falling off.



d1350048a

How to Set the Toner Cartridge

★ Important

- Be careful when setting the toner cartridges because the toner cartridges have different shapes, and the cartridge may be damaged if you try to force a cartridge into the wrong place. The position of the toner cartridges is Y, M, C, K from the left.



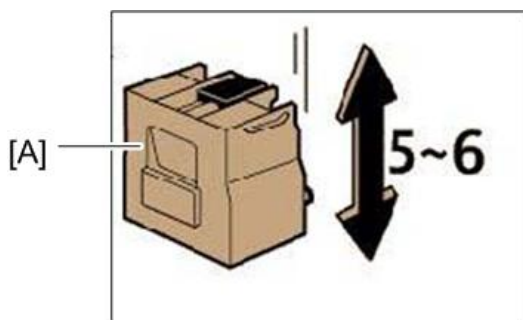
d1350052

1. Open the toner supply unit front cover [A].



d1350053

2. Unpack the new toner cartridge.
3. Turn the toner cartridge upside down and shake 5-6 times while grasping both ends.



d1350049

4. Set each color toner cartridge. Push the toner cartridge until it locks into place.

Executing DEMS

Execute DEMS (SP3-040-001) to correct uneven image density.

2.Installation

ACC (Automatic Color Calibration) Adjustment

- 1.** Check that there are no clamps or other parts that you forgot to remove. Then, plug the power cord into the power source.
- 2.** Turn ON the main power.
- 3.** Tap [User Tools].
- 4.** To print a color pattern, select: Maintenance > Auto Color Calibration.
- 5.** Tap [Start] for the Copier function.
- 6.** Tap [Start Printing].
- 7.** Put the color test pattern face-down with the arrow pointing to the rear left corner of the exposure glass.
- 8.** Tap [Start Scanning]. The machine scans the pattern once.
- 9.** Do Steps 6-8 for the Printer function.

Checking the Copy Image with the Color Chart

If you want to install any options, install them using the installation procedure before doing the procedure below.

- 1.** Switch the machine to copier mode.
- 2.** Make sure that there is A3 or DLT paper in one of the trays.
- 3.** Put a "Color Chart C-5" on the exposure glass.
- 4.** Select full color mode and print one copy of the chart.
- 5.** Check the results of the copy with the customer.

Paper Tray Settings

Adjust the side-to-side registration for each paper tray as necessary.

- SP1-003-001 (Side-to-Side Reg: Tray1)
- SP1-003-002 (Side-to-Side Reg: Tray2)
- SP1-003-003 (Side-to-Side Reg: Tray3)
- SP1-003-004 (Side-to-Side Reg: Tray4)
- SP1-003-005 (Side-to-Side Reg: Bypass Tray)
- SP1-003-006 (Side-to-Side Reg: Duplex)

Paper Library Data Installation

Important

From this model, the file format "mqp" is changed to "fwu", which is generally used for firmware for RICOH products.

This change allows you to do paper library data installation with the same procedure for other firmware update.

Refer to [Update procedure](#) for details.

Important

- Note the following 2 types of MQP data:
 - MediaLib XX ProC5100 A(AB) : For **ProC5200S** only
 - MediaLib XX ProC5110 A(AB) : For **ProC5210S** only

Backing up and restoring paper library data

This table describes the methods for backing up and restoring Paper Library data.

		Adjustment Setting for Skilled Operators	SP mode	SD slot
MQP data	Install	No	Yes: SP5-711-001	Lower slot
Custom paper library	Back up	Yes	No	Slot on operation panel
	Restore	Yes	No	Slot on operation panel
Saved paper library	Back up	Yes	No	Upper slot
	Restore	No	Yes: SP5-711-002	Lower slot

How to back up and restore Custom Paper Library/Saved Paper Library in Adjustment Settings for Skilled Operators

1. Insert the SD card into the SD card slot on the operation panel.
2. Tap [User Tools], and then tap [Adjustment Settings for Skilled Operators].
3. Tap [05: Machine Maintenance].
4. Tap [0703: Backup / Restore Custom Paper Data].
5. Tap [Back Up Saved Paper Library], [Back Up Custom Paper Settings], or [Restore Custom Paper Settings].

Security Function Installation (Pro C5200S/C5210S)

The machine contains the Security functions (Data Overwrite Security and HDD Encryption) in the controller board.

If you are installing a new machine, it is recommended to activate the Data Overwrite Security and HDD Encryption by selecting "Format All Data" from "System Settings" on the operation panel.

Note

- This method is recommended because there is no user data on the hard drive yet (Address Book data, image data, etc.).

If the customer wishes to activate the Data Overwrite Security and HDD Encryption unit on a machine that is already running, it is recommended to activate the unit by selecting "All Data" from "System Settings" on the operation panel.

Important

- Selecting "All Data" will preserve the data that has already been saved to the HDD. (If "Format All Data" is selected, all user data saved to the HDD up to that point will be erased).

Immediately after encryption is enabled, the encryption setting process will take several minutes to complete before you can begin using the machine.

2. Installation

Note

- If encryption is enabled after data has been stored on the HDD, or if the encryption key is changed, this process can take up to three and a half hours or more.

The machine cannot be operated while data is being encrypted.

Once the encryption process begins, it cannot be stopped.

Make sure that the machine's main power is not turned off while encryption is in progress.

If the machine's main power is turned off while encryption is in progress, the HDD will be damaged and all data on it will be unusable.

Print the encryption key and keep the encryption key (which is printed as a paper sheet).

Keep the encryption key in a safe place. If the encryption key is lost and cannot be printed, the controller board, HDD and NVRAM must all be replaced at the same time.

Note

- "NVRAM" mentioned in here means the NVRAM on the Controller Board.
- "NVRAM" or EEPROM on the BICU has nothing to do with this.

Please use the following procedure when reinstalling Data Overwrite Security and HDD Encryption.

Data Overwrite Security

Before You Begin the Procedure

1. Make sure that the following settings (1) to (3) are not at their factory default values.

(1) Supervisor login password

(2) Administrator login name

(3) Administrator login password

If any of these settings is at the factory default value, tell the customer these settings must be changed before you do the installation procedure.

2. Make sure that "Admin. Authentication" is on.

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication]

If this setting is off, tell the customer this setting must be on before you do the installation procedure.

3. Make sure that "Administrator Tools" is enabled (selected).

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

Installation Procedure

1. Connect the network cable if it needs to be connected.

2. Turn ON the main power.

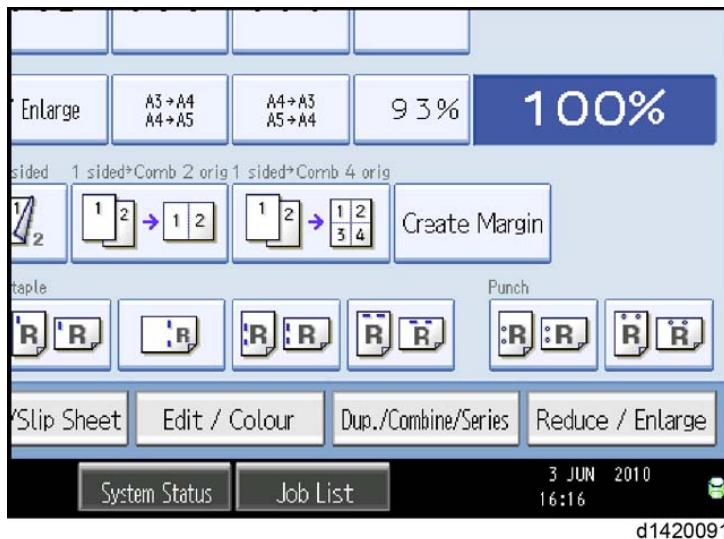
3. Go into the SP mode and push "EXECUTE" in SP5-878-001.



4. Exit the SP mode and turn OFF the main power.

5. Turn ON the main power.

6. Do SP5-990-005 (SP print mode Diagnostic Report).

Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.

7. Go into the User Tools mode, and select [System Settings] → [Administrator Tools] → [Auto Erase Memory Setting] → [On].**8.** Exit the User Tools mode.

	Icon [1]	This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.
	Icon [2]	This icon is lit when there is no temporary data to be overwritten.

9. Check the display and make sure that the overwrite erase icon appears.**10.** Check the overwrite erase icon.

The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.

The icon [2] is lit when there is no temporary data to be overwritten.

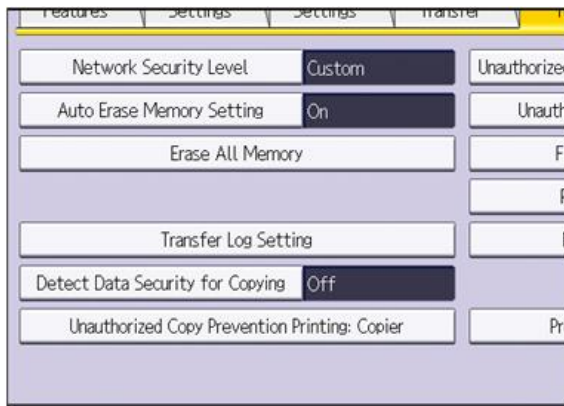
Using Auto Erase Memory

The Auto Erase Memory function can be enabled by the following procedure.

- 1.** Log in as the machine administrator from the control panel.
- 2.** Press the [User Tools] icon.
- 3.** Press [Machine Features].
- 4.** Press [System Settings].
- 5.** Press [Administrator Tools].
- 6.** Press [Next] three times.

2. Installation

7. Press [Auto Erase Memory Setting].



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8. Press [On].

9. Select the method of overwriting.

If you select [NSA] or [DoD], proceed to step 12.

If you select [Random Numbers], proceed to step 10.

10. Press [Change].

11. Enter the number of times that you want to overwrite using the number keys, and then press [#].

12. Press [OK]. Auto Erase Memory is set.

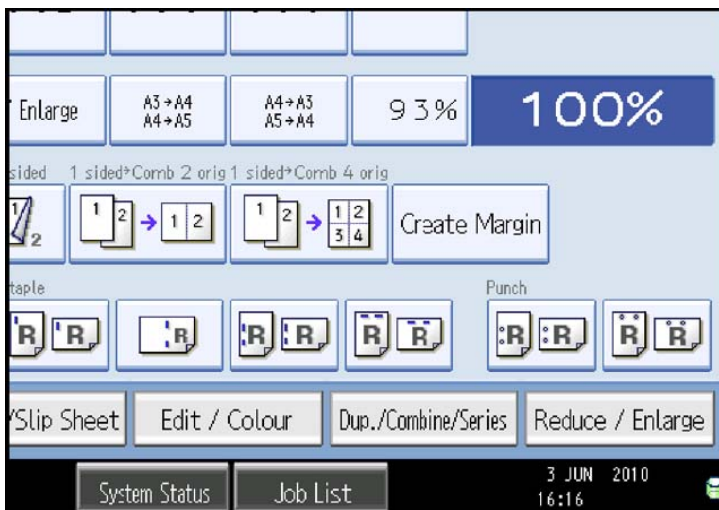
13. Log out.

14. Check the display and make sure that the overwrite erase icon appears.


15. Check the overwrite erase icon (see the bottom right of the following screenshot).


The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.

The icon [2] is lit when there is no temporary data to be overwritten.



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	<p>Icon [1]</p>	<p>This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.</p>
---	---------------------	--

	Icon [2]	This icon is lit when there is no temporary data to be overwritten.
---	-------------	---

HDD Encryption

Before You Begin the Procedure:

1. Make sure that the following settings (1) to (3) are not at the factory default settings.

- (1) Supervisor login password
- (2) Administrator login name
- (3) Administrator login password

If any of these settings is at the factory default value, tell the customer these settings must be changed before you do the installation procedure.

2. Confirm that "Admin. Authentication" is on.

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication] -> [On]

If this setting is off, tell the customer that this setting must be on before you can do the installation procedure.

3. Confirm that "Administrator Tools" is selected and enabled.

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

"Available Settings" is not displayed until step 2 is done.

If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.

Installation Procedure

1. Turn ON the main power, and then enter the SP mode.
2. Select SP5878-002, and then press "Execute" on the LCD.
3. Exit the SP mode after "Completed" is displayed on the LCD.
4. Turn OFF the main power.

Enable Encryption Setting

Machine Data Encryption Settings can be enabled by the following procedure.

★ Important

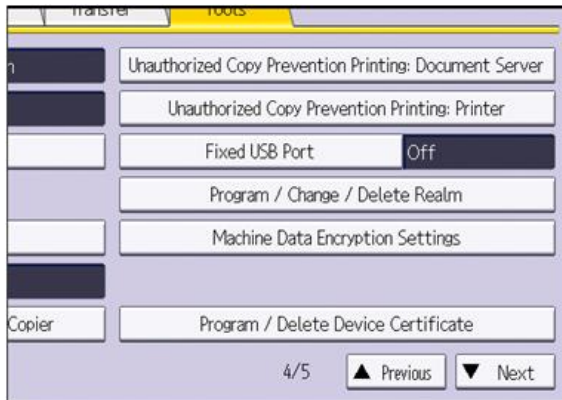
When setting up encryption, specify whether to start encryption after deleting data (initialize) or encrypt and retain existing data. If data is retained, it may take some time to encrypt it.

1. Turn ON the main power.
2. Log in as the machine administrator from the control panel.
3. Press the [User Tools] icon.
4. Press [Machine Features].
5. Press [System Settings].
6. Press [Administrator Tools].

2.Installation

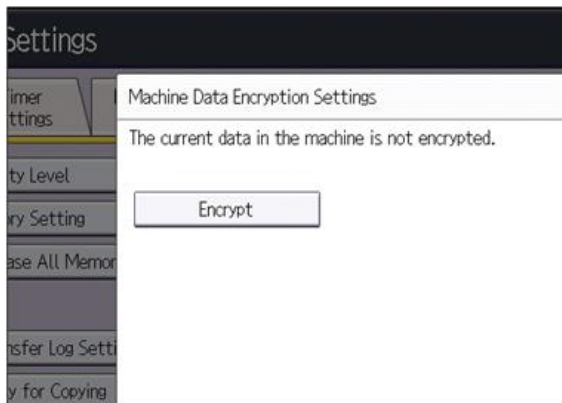
7. Press [Next] three times.

8. Press [Machine Data Encryption Settings].



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9. Press [Encrypt].



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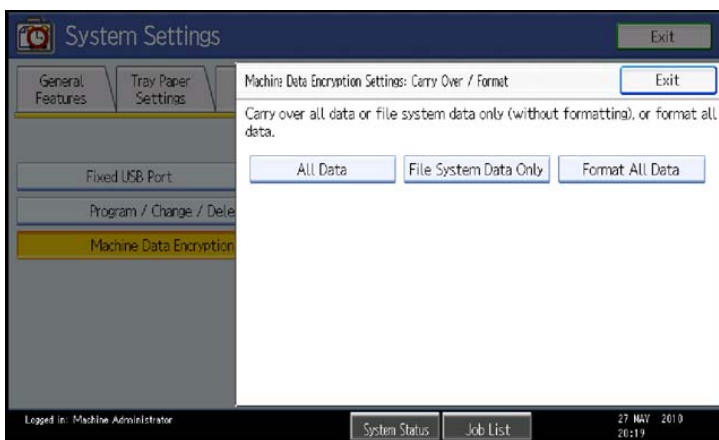
10. Select the data to be carried over to the hard disk and not be reset.

To carry all of the data over to the hard disk, select [All Data].

To carry over only the machine settings data, select [File System Data Only].

To reset all of the data, select [Format All Data].

11. Select the backup method.



d1420093

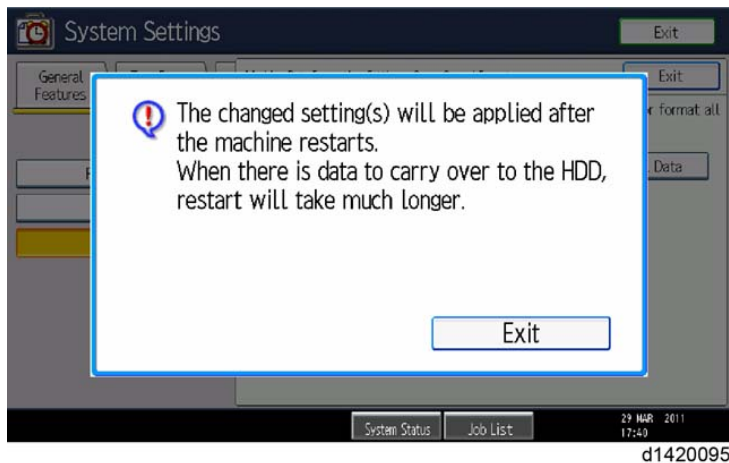
If you have selected [Save to SD Card], load an SD card into the media slot on the side of the control panel and press [OK] to back up the machine's data encryption key.

If you have selected [Print on Paper], press the [Start] key to print out the machine's data encryption key.

- 12.** Press [OK].



- 13.** Press [Exit].



- 14.** Press [Exit].

- 15.** Log out.

- 16.** Turn OFF the main power, and then turn the main power back ON.

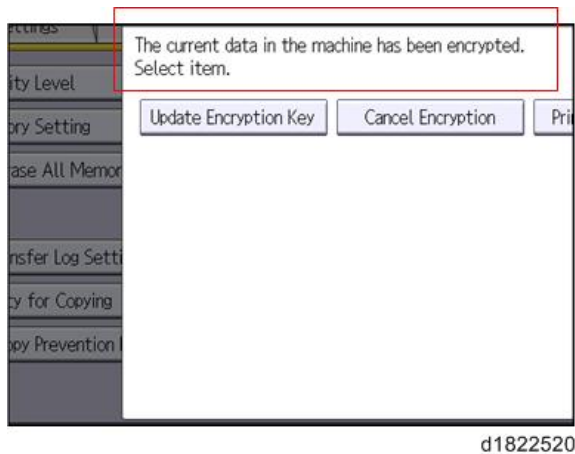
The machine will start to convert the data on the memory after you turn on the machine. Wait until the message "Memory conversion complete. Turn the main power switch off." appears, and then turn the main power off again.

Check the Encryption Settings

- 1.** Press the [User Tools] icon.
- 2.** Press [Machine Features].
- 3.** Press [System Settings].
- 4.** Press [Administrator Tools].
- 5.** Press [Machine Data Encryption Settings].

2.Installation

6. Confirm whether the encryption has been completed or not on this display.

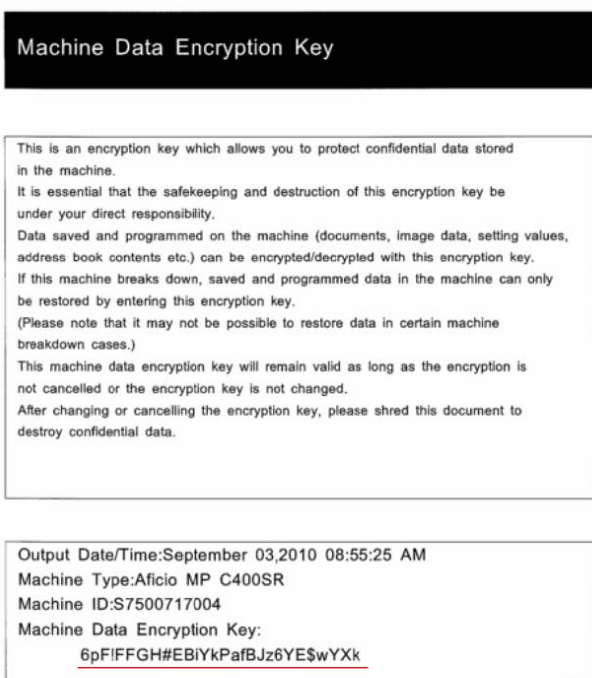


Print the Encryption Key

Use the following procedure to print the key again if it has been lost or misplaced.

1. Press the [User Tools] icon.
2. Press [Machine Features].
3. Press [System Settings].
4. Press [Administrator Tools].
5. Press [Machine Data Encryption Settings].
If this item is not visible, press [Next] to display more settings.
6. Press [Print Encryption Key].

Encryption Key Example



d1420100

The encryption key is printed out as a sheet of paper like the example shown above.

Please instruct the customer to keep it in a safe place.

Backing Up the Encryption Key

The encryption key can be backed up. Select whether to save it to an SD card or to print it.

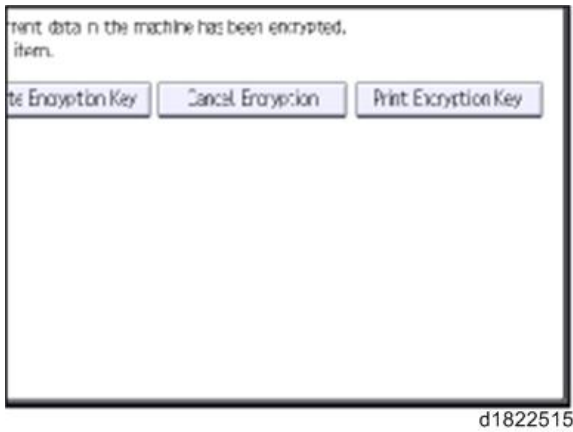
★ Important

The encryption key is required for data recovery if the machine malfunctions. Be sure to store the encryption key safely for retrieving backup data.

1. Log in as the machine administrator from the control panel.
2. Press the [User Tools] icon.
3. Press [Machine Features].
4. Press [System Settings].
5. Press [Administrator Tools].
6. Press [Next] three times.
7. Press [Machine Data Encryption Settings].

2. Installation

8. Press [Print Encryption Key].



9. Select the backup method.

If you have selected [Save to SD Card], load an SD card into the media slot on the side of the control panel and press [OK]; once the machine's data encryption key is backed up, press [Exit].

If you have selected [Print on Paper], press the [Start] key. Print out the machine's data encryption key.

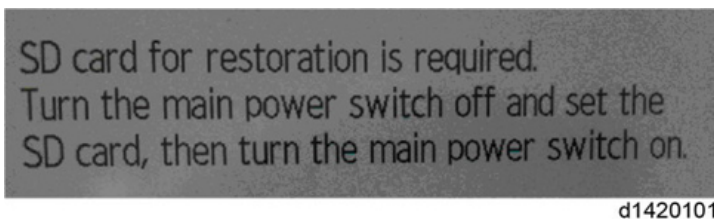
10. Press [Exit].

11. Log out.

Encryption Key Restoration

How to restore the old encryption key to the machine

The following message appears after the controller board is replaced. In such a case, it is necessary to restore the encryption key to the new controller board.



To do this, follow the procedure below.

1. Prepare an SD card that has been initialized in FAT16 format.
2. Using a PC, create a folder in the SD card and name it "restore_key".
3. Create a folder in the "restore_key" folder and name it the same as machine's serial number, "xxxxxxxxxxx" (11 digits).
4. Create a text file called "key_xxxxxxxxxxxx.txt" and save it in the "xxxxxxxxxxx" folder. Write the encryption key in the text file.

/restore_key/xxxxxxxxxxx/key_xxxxxxxxxxxx.txt

Note

Ask an Administrator to enter the encryption key. The key has already been printed out by the user and may have been saved in the "key_xxxxxxxxxxxx.txt" file. (The function of back-up the encryption key to the SD card directly is provided 11A products or later.)

5. Turn ON the machine's main power.

6. Confirm that a message is displayed on the LCD telling to insert the SD card that contains the encryption key.
7. Turn OFF the main power.
8. Insert the SD card that contains the encryption key into SD card slot 2 (the lower slot).
9. Turn ON the main power.

Note

The machine will automatically restore the encryption key to the flash memory on the controller board.

10. Turn OFF the main power when the machine has returned to normal status.
11. Remove the SD card from SD card slot 2.

How to do a forced start up with no encryption key

If the encryption key back-up has been lost, follow the procedure below to do a forced start-up.

Important

- The HDD will be formatted after the forced start-up.
- Encrypted data will be deleted.
- User settings will be cleared.

1. Prepare an SD card.
2. Create a directory named "restore_key" inside the root directory of the SD card. Then, save the "nvram_key.txt" file using the following name:
/restore_key/nvram_key.txt
3. Create a text file and write "nvclear".

Important

- Write this string at the head of the file.
- Use all lower-case letters.
- Do not use quotation marks or blank spaces.
- It is judged that a forced start has been selected when the content of "nvclear" is executed and the machine shifts to the alternate system (forced start).

4. Confirm that a message is displayed on the LCD telling to insert the SD card that contains the encryption key.
5. Turn OFF the main power.
6. Insert the SD card that contains the encryption key into SD card slot 2 (the lower slot).
7. Turn ON the main power.
The machine automatically clear the HDD encryption.
8. Turn OFF the main power when the machine has returned to normal status.
9. Remove the SD card from SD card Slot 2.
10. Turn ON the main power.
11. Memory clear SP5-801-xxx (Exclude SP-5-801-001: All Clear and SP-5-801-002: Engine), and clear SP5-846-046: address book.
12. Set necessary user settings in User Tools.

2. Installation

SP descriptions

- SP5-878-002 (Option Setup: HDD Encryption)
Executes the setup for encryption.
- SP5-990-005 (SP Print Mode: Diagnostic Report)
Prints the configuration sheets of the system and user settings : SMC.
Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.
- SP5-801-001 (Memory Clear: All Clear)
Resets all correction data for process control and all software counters, and returns all modes and adjustments to their default values.
- SP5-801-002 (Memory Clear: Engine)
Clears non-volatile memory of engine.
- SP5-846-046 (UCS Setting: Addr Book Media)
Displays the slot number where an address book data is in.
0: Unconfirmed
1: SD Slot 1
2: SD Slot 2
3: SD Slot 3
4: USB Flash ROM
10: SD Slot 10
20: HDD
30: Nothing

Auto Remote Firmware Update (ARFU) Settings (Pro C5200S/C5210S)

Specify ARFU settings as required.

Important

Operating Conditions:

- ARFU requires connection to the Internet. Be sure to get permission from the customer before setting ARFU up. Otherwise, it may cause an incident.
- ARFU is available only for machines that contain a HDD. If the machine does not have a HDD, an option HDD must be installed.

Note

- The connection is one-way, so the user's data cannot be accessed from the firmware server.

Procedure:

1. ARFU enable setting
2. Server connection check
3. Prohibited date and time setting

(1) Enable ARFU

1. Set SP5-886-111 (Auto Update Setting) to "1 (ON)".

1: ON / 0: OFF (Default)

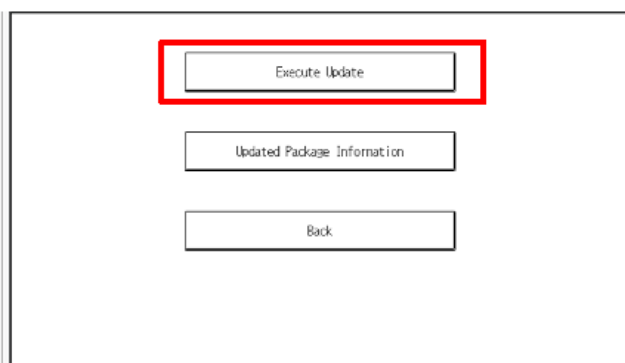
Note

To download the firmware only using SFU (Smart Firmware Update), and not by ARFU, specify the settings as follows:

- SP5-886-111(Auto Update Setting) to "0 (OFF)"
- SP5-886-115 (SFU Auto Download Setting) to "1 (ON)"

(2) Server connection check

1. Enter the SP mode.
2. Press [Firmware update] > [Update] > [Execute update].



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3. Check if one of the following messages appears: "Will you download the latest package Ver *** and update?" or "The installed package is the latest version."

If the message appears, it is possible to execute ARFU. Press "No" and close SP mode to complete the configuration.

Important

The update will run immediately if you press "Yes" at the message "Will you download the latest package Ver *** and update?" The update cannot be canceled if it is run by SFU. (The update can be canceled if ARFU is used.)

Note

SP5-886-116 (Auto Update Prohibit Term Setting) displays the scheduled date and time of the next ARFU. If error code 71: [Network connection error] appears when you click "Execute update", see troubleshooting below.

(3) Prohibited date and time setting

Ask the customer for the prohibited times and days of the week for ARFU execution and set the following as needed. The default prohibited time is from 9 a.m. to 5 p.m. and there is no prohibited day.

- SP5-886-112 (Auto Update Prohibit Term Setting) Default: 1 (ON)
- SP5-886-113 (Auto Update Prohibit Start hour) Default: 9

2.Installation

- SP5-886-114 (Auto Update Prohibit End hour) Default: 17
- SP5-886-120 (Auto Update Prohibit Day Of Week Setting) Default: 00000000 [00H]

Set the bits for the days of the week to prohibit updating.

Prohibited (Monday - Sunday): bit 7, Monday: bit 6, Tuesday: bit 5

Wednesday: bit 4, Thursday: bit 3, Friday: bit 2, Saturday: bit 1, Sunday: bit 0

e.g.) Prohibited on Mon., Fri., Sat., and Sun.: 01000111 [47H]

↓ Note

They can be specified also via Web Image Monitor if logged in as the machine administrator from the device if SP5-886-111(Auto Update Setting) is set to "1 (ON)". For details, see [Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor](#).

Troubleshooting: If error code 71: [Network connection error] appears

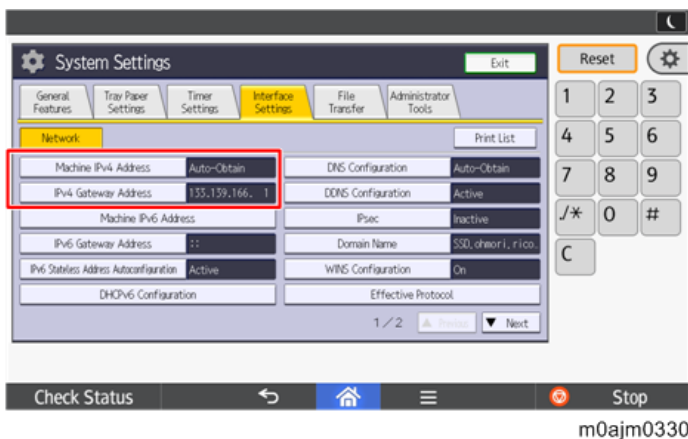
If error code 71: [Network connection error] appears when you click [Firmware update] > [Update] > [Execute update] in SP mode, check the following.

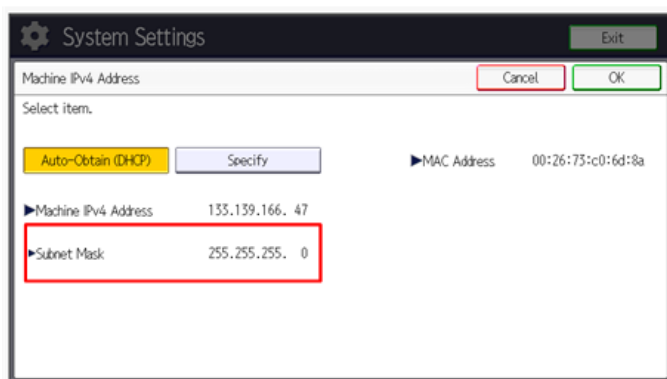
- 4-1. IPv4 address, Subnet mask of the machine and Gateway IPv4 address
- 4-2. IPv4 address of the DNS server
- 4-3. Proxy server settings
- 4-4. Encryption level setting SP

4-1. IPv4 address, Subnet mask of the machine and Gateway IPv4 address

Check the machine's IPv4 address, subnet mask, and gateway IPv4 address.

(In User Tools > Machine Features > System Settings > Interface Settings)



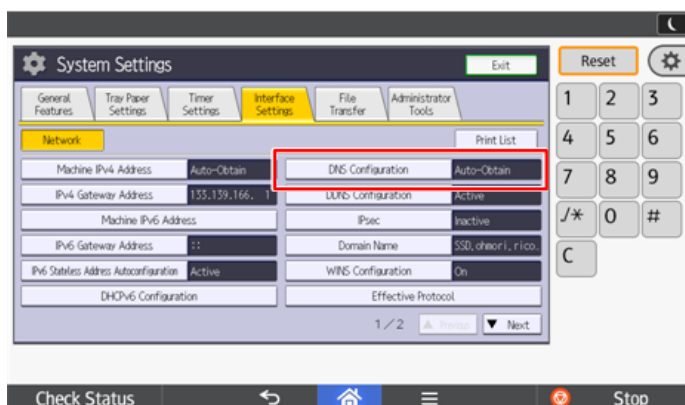


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4-2. IPv4 address of the DNS server

Check the DNS IPv4 address and check the connection.

(In User Tools > Machine Features > System Settings > Interface Settings > DNS configuration)



m0ajm0333

Note

How to find the IP address:

Ask the customer to tell you the IP address of the DNS server. If the customer does not know it, ask the customer to check the IP address by one of the following ways:

1. Run "ipconfig / all" at the command prompt on the computer, then check the IP address of the DNS server.
2. Open the IPv4 properties dialog box on the computer, then check whether the IP address setting of the DNS server is manual or automatic.
 - If the setting of the DNS IP address is automatic, select [Auto-Obtain (DHCP)] at the MFP machine's DNS settings.
 - If the setting of the DNS IP address is manual, select [Specify] and specify the DNS server 1 to 3.
 - Press [Connection Test] to check the connection with the input address. Make sure that it is connected successfully.

2.Installation



4-3. Proxy server settings

Check the user's network environment and, as required, specify the proxy server settings in the following SPs:

- SP5-816-062 (Use Proxy)
1: Used / 0: Not used
- SP5-816-063 (Proxy Host)
- SP5-816-064 (Proxy PortNumber)
- SP5-816-065 (Proxy User Name)
- SP5-816-066 (Proxy Password)

★ Important

If access to the external server is restricted, request the network administrator (customer) to permit the following FQDN name for communication.- FQDN: p-rfu-ds2.support.ricoh.com

↓ Note

They can be specified also via Web Image Monitor if logged in as the machine administrator from the device if SP5-886-111(Auto Update Setting) is set to "1(ON)". For details, see [Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor](#).

4-4. Encryption level setting SP

Check SP5-816-087 (Remote Service: CERT:Macro Ver) and make sure the encryption level is [2]: 2048 bit.

★ Important

If SP5-816-087 is [1]: 512 bit, specify the settings as follows:

1. Initialize the encryption level by executing SP5-870-003 (Common Key Info Writing: Initialize)
2. Rewrite as 2048 bit in SP5-870-004 (Common Key Info Writing: Writing 2048 bit).
3. Turn the main switch off and on.

↓ Note

Make sure to check the conditions before changing the encryption level and do the corresponding workaround. ARFU uses the same certificate as @Remote to communicate with the Global Server. This may cause failure in connecting with the Center Server, if the device is to be installed in the following conditions.

Conditions

1) Customer uses RC Gate Type BN1.

RC Gate Type BN1 does not support 2048 bit encryption level communication with Ricoh devices (HTTPS)

Managed device). Therefore, the device cannot be registered under RC Gate Type BN 1.

2) Ricoh device (HTTPS Managed) that supports only 512 bit encryption level is registered as an external appliance.

Only one encryption level can be set for an external appliance for its communication with imaging devices. If a 512 bit encryption level Ricoh device (HTTPS Managed) is registered, the external appliance as well as other devices must also use 512 bit encryption even if 2048 bit encryption is supported on those devices.

Workaround

For Condition 1:

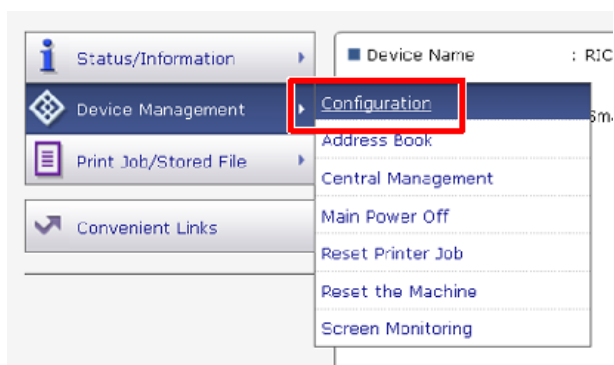
Advise your customer to change to the latest appliance that supports 2048 bit encryption level communication.

For Condition 2:

1. Manage the device with embedded RC Gate (2048 bit)
2. Exclude non-supported devices (i.e., those devices that cannot be changed from 512-bit to 2048-bit) from the external appliances, then change the encryption level of external appliances and all managed devices (from 512 bit to 2048 bit).

Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor

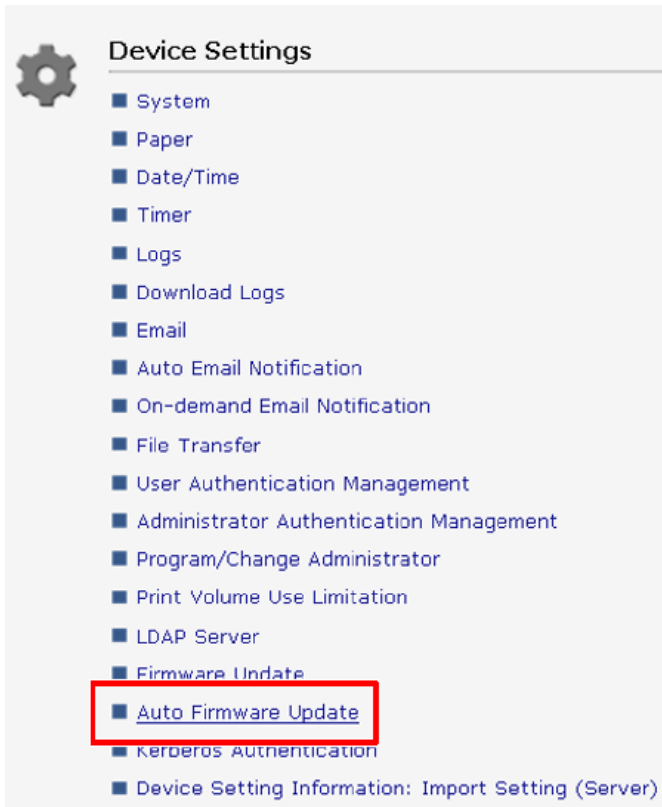
- 1.** Start Web Image Monitor.
- 2.** Log in as the machine administrator.
- 3.** Point to [Device Management], and then click [Configuration].



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2.Installation

4. Click "Auto Firmware Update".



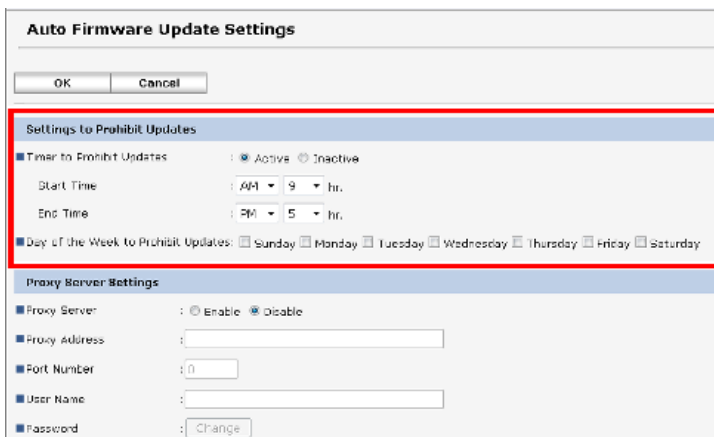
d238m0984j

Note

Turn the main power OFF and back ON again after setting SP5-886-111 (AutoUpdateSetting) to "1 (ON)". "Auto Firmware Update" will appear in the menu list of Web Image Monitor.

5. Specify the times and days of the week to prohibit updating.

Select the check boxes of the applicable days of the week to prohibit updating on that day



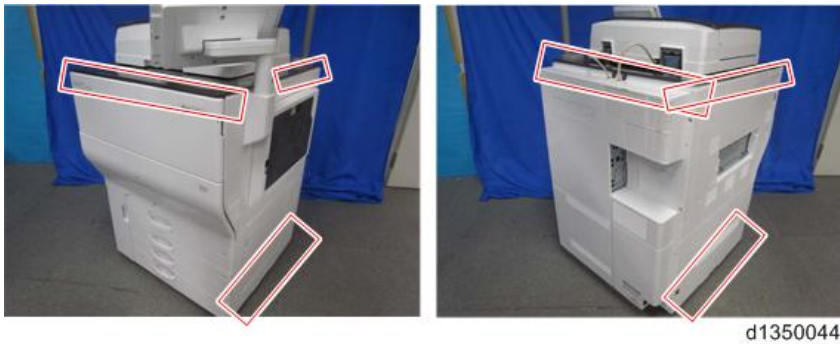
d238m0985e

Moving the Machine (Pro C5200S/C5210S)

1. Turn OFF the main power switch, and then unplug the power cord from the main machine.
2. Close all the doors and trays that can be opened and closed, and then secure them in place with shipping tape.
3. Make sure to follow all the precautions listed below when moving the machine. This is to prevent the

machine from being damaged and the drawer unit from coming out.

- Do not put a load on the ADF
- When moving the machine, push the machine instead of pulling the machine. Pulling the machine may cause damage to the covers.
- When pushing the machine, push the upper side of the machine in the areas marked with red rectangles below. If you move the machine over an uneven surface, insert your hands under the machine at the places marked with red rectangles below, and then lift the machine slightly to get over the uneven surface.
- When you move the machine, face the **left or right side** of the machine toward the direction of movement. Then, push the machine forward at a slow walking speed. Go slower if there are any uneven areas on the floor.
- However, if you cannot face the left or right side forward, move the machine with the **front side** facing forward (in the direction you are moving).
- Do not face the rear side of the machine toward the direction of movement. This is because if the floor is inclined upward, the trays and drawer unit may come out.

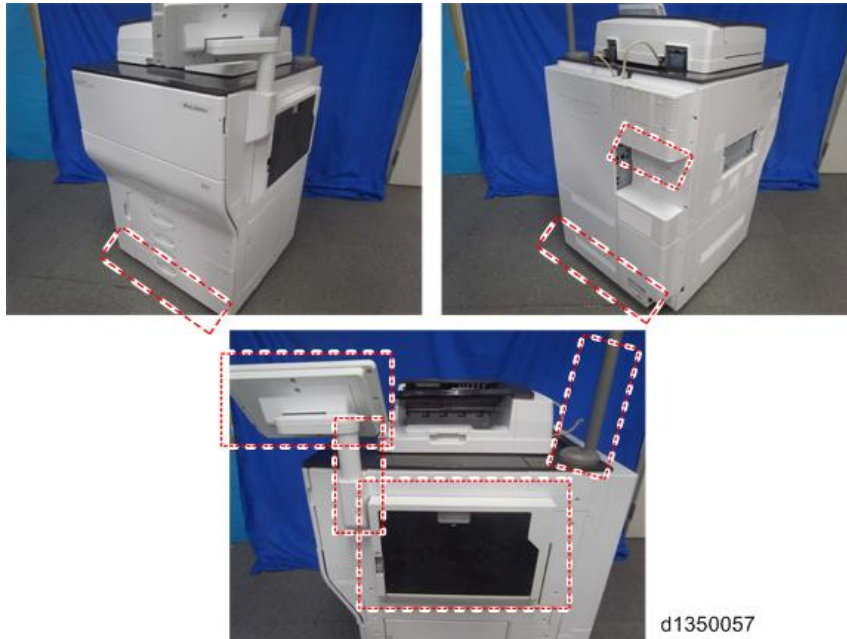


d1350044

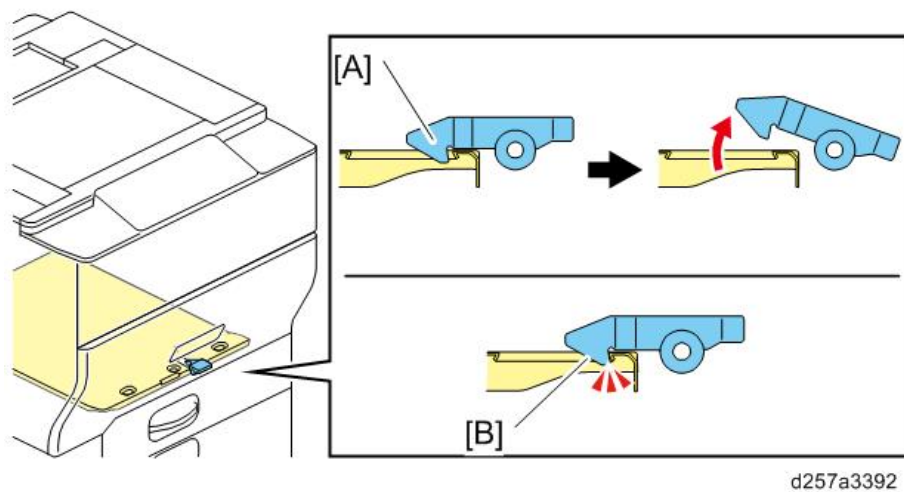
2.Installation

Note

- Do not push or lift the locations marked with red rectangles below. You may damage the machine.



- After transporting the machine, the load on the front part of the machine may cause the drawer unit to become stuck, making it impossible to pull it out.
 - [A] (Normal): When the drawer unit is pulled, the lock mechanism is lifted and the drawer unit is unlocked.
 - [B] (Abnormal): The drawer unit is stuck.



- If this happens, push the drawer unit in and try pulling it out again.
- Also, please note that when the power is turned ON, the drawer unit will be pulled in automatically, and this will solve the problem.

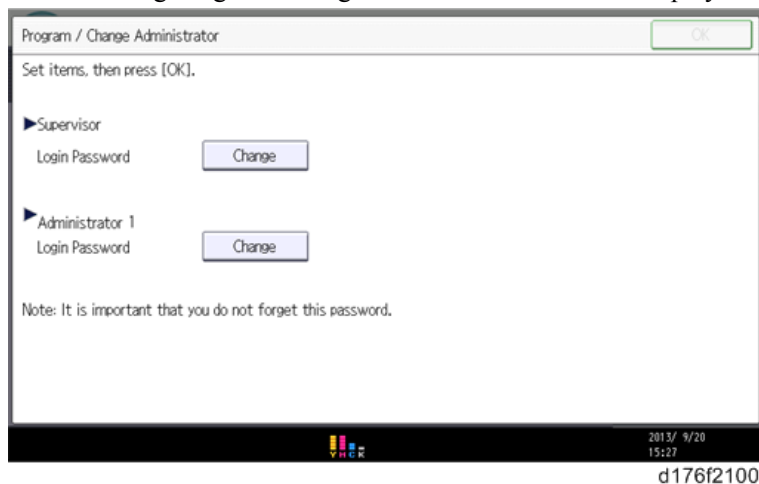
Main Machine Installation (MP C6503/C8003)

Important Notice on Security Issues (MP C6503/C8003)

In order to increase the security of the MFP, and to ensure that the customer sets the administrator password, an administrator set/change prompt display is shown at the first power-up.

Overview

- The following Program/Change Administrator screen is displayed at the first power-up.



- When the customers set the administrator/supervisor login password, the display disappears and the home display will appear. The customers, however, can erase this screen with the following procedure in the case that they think there is no need to set the password.

- On the Program/Change Administrator screen, press [Change] next to Supervisor and then touch [OK] without inputting any password.
- Touch [OK] again when the Confirm password display shows up.
- For Administrator 1, do the same procedure as steps 1 and 2.
- Press the [OK] button, and then turn the power OFF/ON.

SP5-755-002 (Display Setting: Hide Administrator Password Change Scrn) allows you to skip this screen temporarily and continue the installation procedure without setting an administrator password. However, the Program/Change Administrator screen appears every time you turn the power OFF/ON, if the password is not set.

Note

For how to enter SP mode, see the note at the end of the Password Setting Procedure.

Password Setting Procedure

Note

For more details about this security issue, see "Notes on Using Multi-Function Printers Safely" supplied with the MFP.

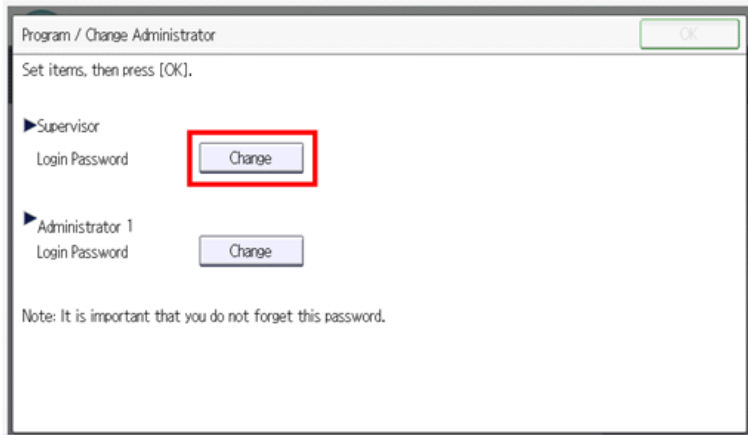
CAUTION

When Supervisor / Administrator 1-4 passwords are configured via network, the "Change Supervisor login password" window won't display.

2.Installation

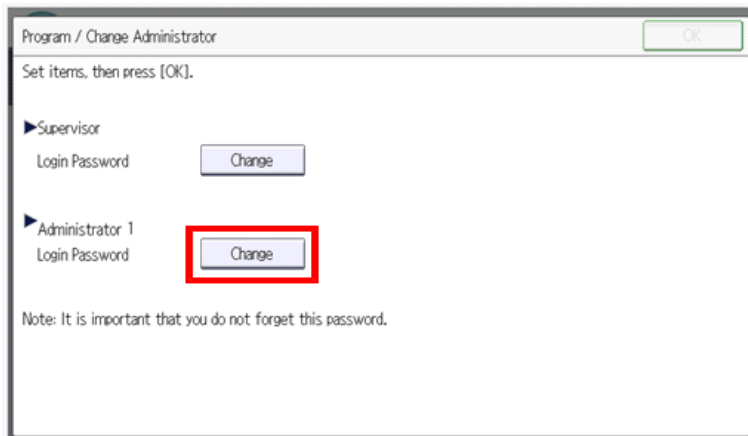
The passwords for Supervisor or Administrator 1 to 4 can be set via "System Settings". But the Program/Change Administrator screen appears every time the power switch is turned ON if the passwords are input this way. So we recommend the customers to set the passwords via network or the Program/Change Administrator screen.

1. Install the machine.
2. Turn ON the main power.
The password change display appears.
3. Press [Change] and change the supervisor login password.



d176f2101

4. Input the password, and then press [OK].
5. Confirm the password, and then press [OK].
6. Change the administrator 1 login password.



d176f2106

7. Input the password, and then press [OK].
8. Confirm the password, and then press [OK].
9. Turn the main power OFF and back ON again.

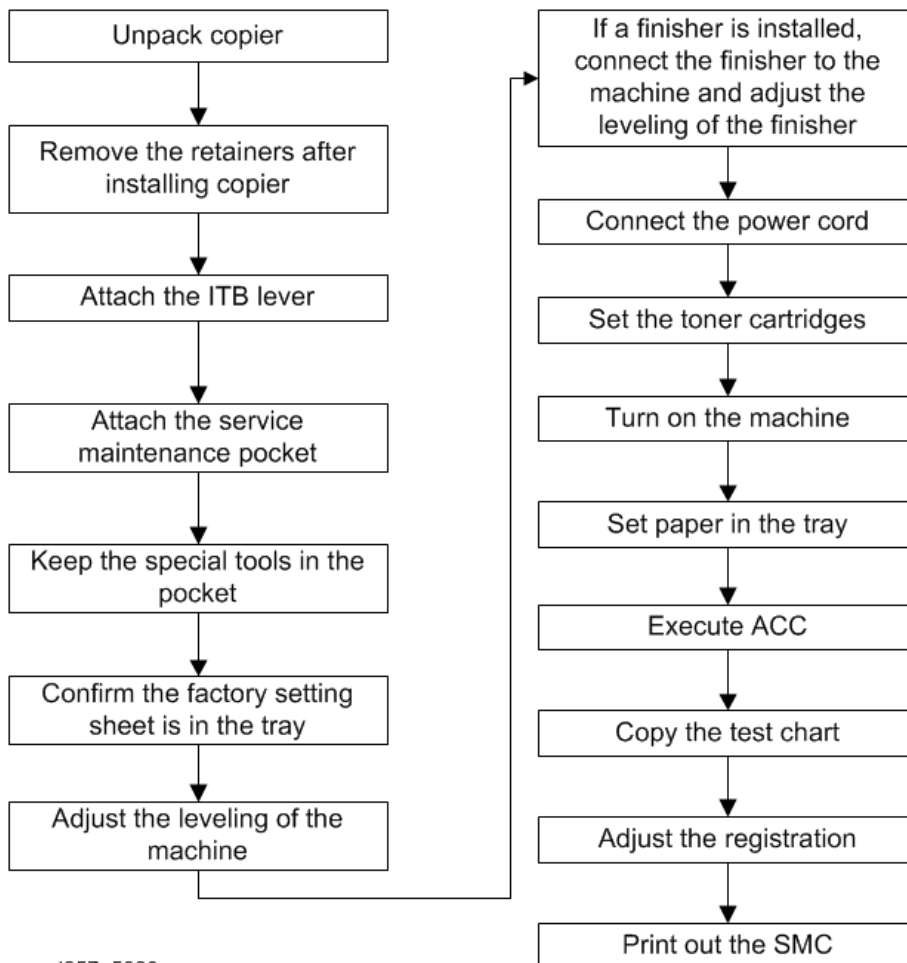
↓ Note

To enter the SP mode, there are two ways to display the number keyboard on screen;

1. Press the "Document Server" icon.
2. Press and hold the button [A] located at the left side of the operation panel and "Check Status [B]" at the same time.



Installation Flow Chart (MP C6503/C8003)

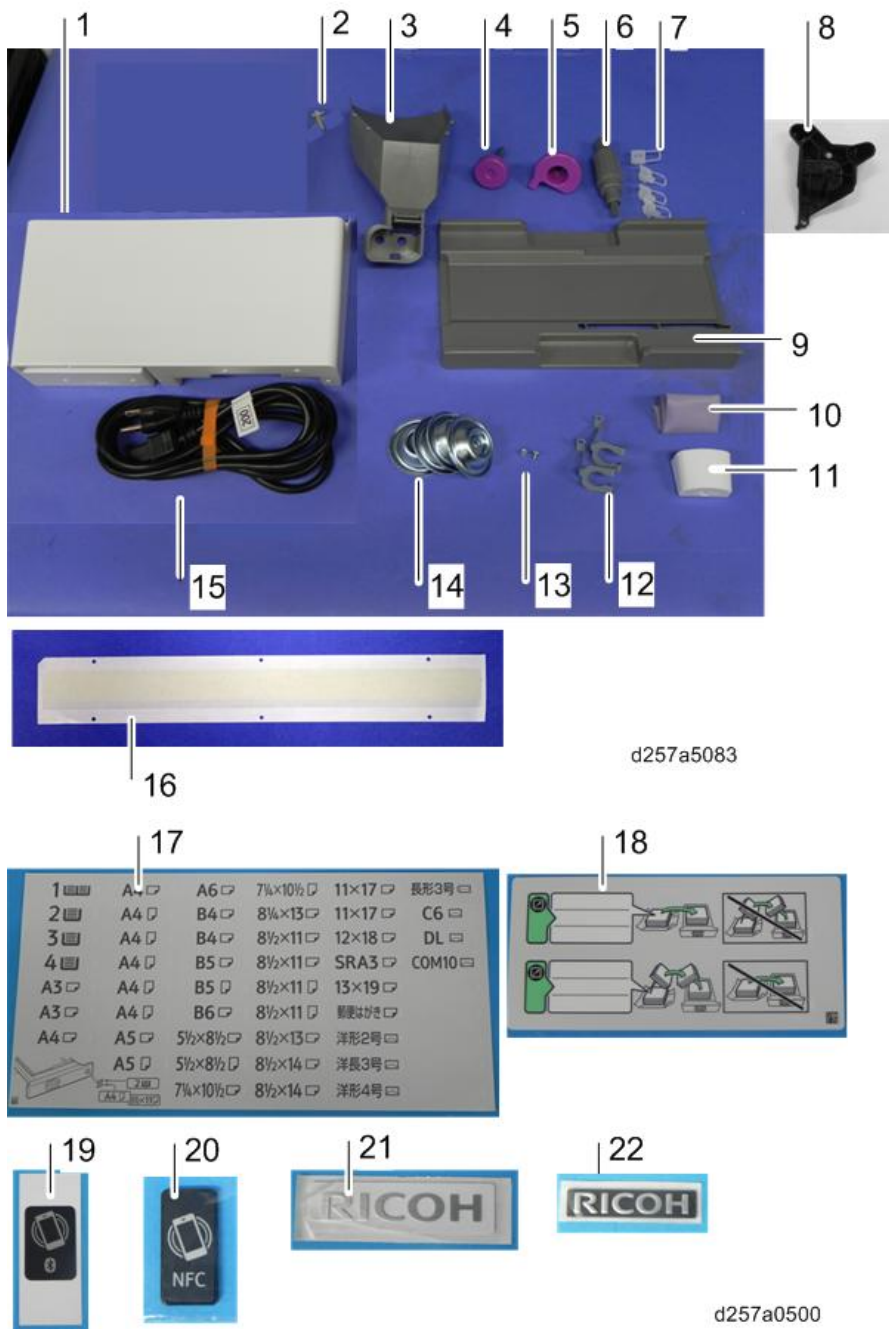


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2.Installation

Accessory Check (MP C6503/C8003)

No	Description	Q'ty	
		MP C6503	MP C8003
1	Service Pocket	1	1
2	Rivet - Dia5	2	2
3	Developer Funnel	1	1
4	Drum Holder (front)	1	1
5	Drum Holder (rear)	1	1
6	Jig for Development Unit	1	1
7	Development Cap	4	4
8	Jig for Paper Transfer Belt Unit	1	1
9	PCDU Holder	1	1
10	Cloth - DF Exposure Glass	1	1
11	Cloth Holder	1	1
12	Power Cord Protection Plate	1	1
13	Screw - M3 x 6	1	1
14	Leveling Shoes	4	4
15	Power Cord	1	1
16	Guide Sheet	1	1
17	DECAL:SIZE INDICATION:PAPER TRAY:OFFICE	1	1
18	DECAL:CAUTION CHART:PAPER SET DIRECTION	3	3
19	DECAL:BLUETOOTH:CHEETAH-G2	1	1
20	IC:NFC_TAG:MN63Y3212NB	1	1
21	PLATE:LOGOTYPE:RIC	1	1
22	SHEET:LOGO	1	1
-	SAFETY INFORMATION SHEET (EU only)	1	1
-	DECAL:PULL OUT:SET:CAUTION:MANY LANGUAGES (EU and Asia only)	1	1
-	DECAL:CAUTION:ORIGINAL:MANY LANGUAGES (EU only)	1	1
-	DECAL:SET:ORIGINAL TABLE (EU only)	1	1



Installation Procedure (MP C6503/C8003)

Unpacking the Machine

1. Unpack the machine and remove all the wrapping.
2. Place the machine at the installation site.

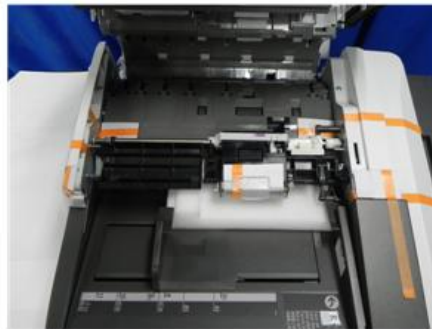
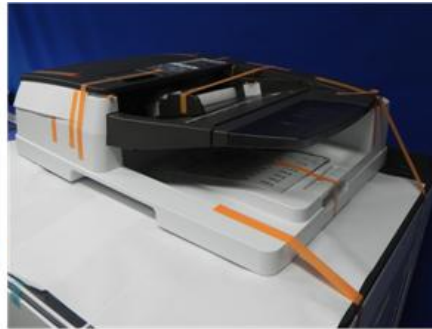
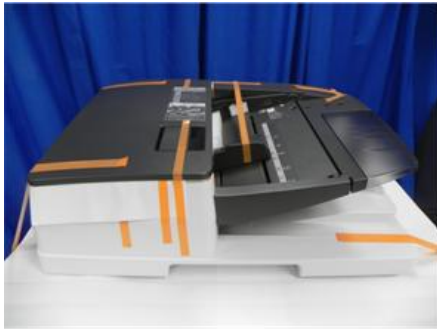
2.Installation

- 3.** Remove all filament tape from the machine.



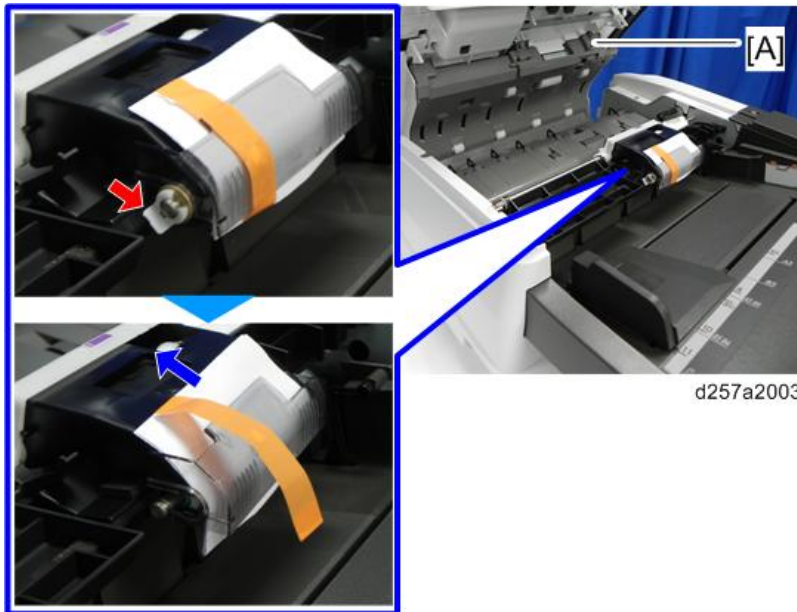
d257a2083

- 4.** Remove the filament tape and the cushion at the ADF.



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5. Open the feed cover [A] and remove the protection sheet.

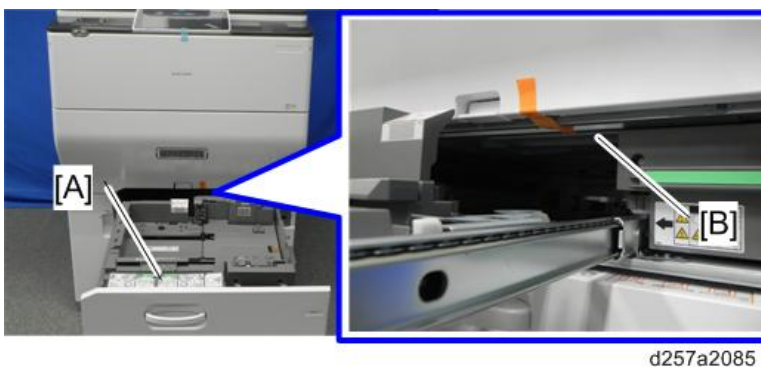


Ⓢ×1

6. Open the ADF [A] and release the lever to open the white board. Then remove the protection sheet.



7. Open the tandem tray [A] and remove the filament tape at the duplex unit [B].



8. Remove the power cable from paper tray 2.

2. Installation

9. Remove the protection sheet [A].



d257a2086

Removing the ITB Retainer and Attaching the ITB Separation Lever

When unpacking the machine, the ITB separation lever is not yet attached to the correct location. Be sure to attach the lever when installing the machine.

1. Open the toner supply unit front cover [A], and remove the ITB separation lever [B].



d257a2087

2. Open the drawer unit [A].



d257a2102

2. Installation

5. Remove the ITB cleaning intake fan [A] along with the duct.



 x1

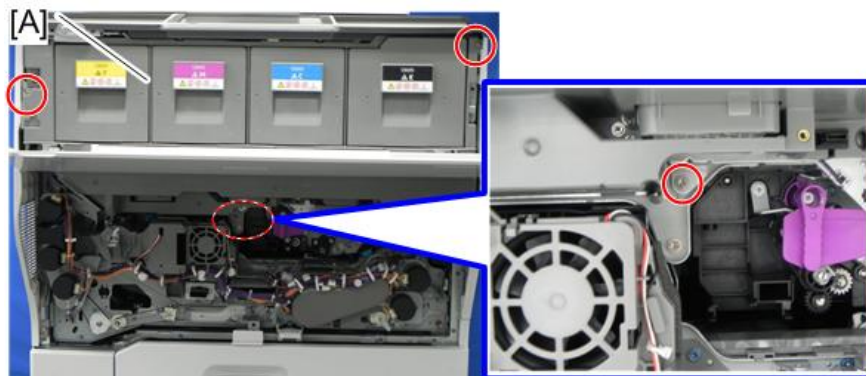
d257a2089

6. Open the toner supply unit front cover [A].



d257a2090

7. Remove the fixing screws of the toner supply unit [A].

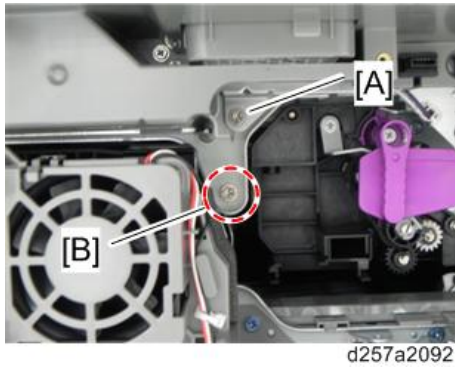


 x3

d257a2091

Note

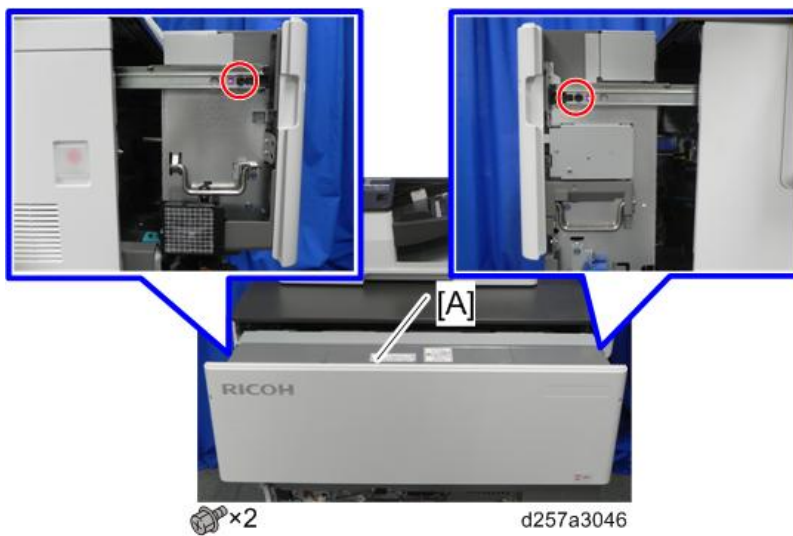
- Do not remove the screw [B] below the toner supply unit fixing screw [A] because it is used to fix the faceplate.



- 8.** Slide the toner supply unit [A] to the front.



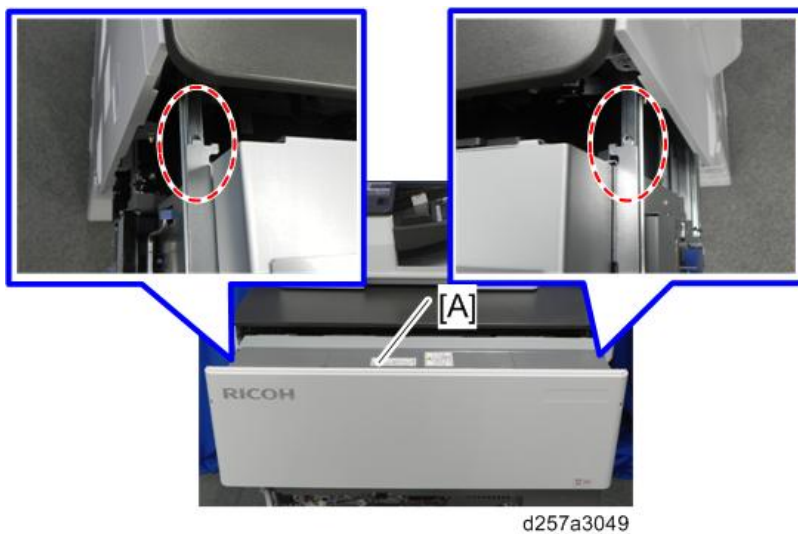
- 9.** Pull out the toner supply unit [A], and remove it from the slide rail with the handles on the left and right.



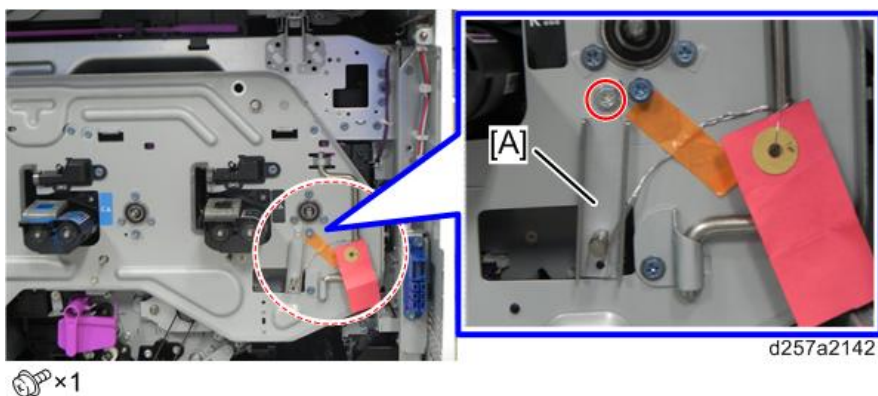
2.Installation

Note

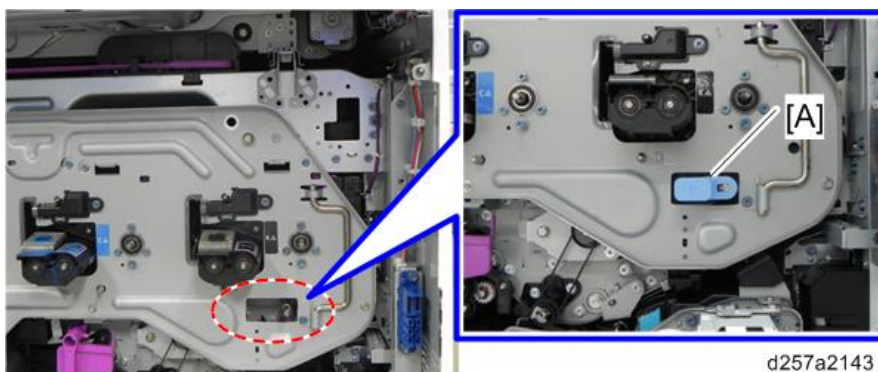
- When attaching the toner supply unit [A] to the machine, the hooks of the toner supply unit should be fit into the holes in the slide rails.



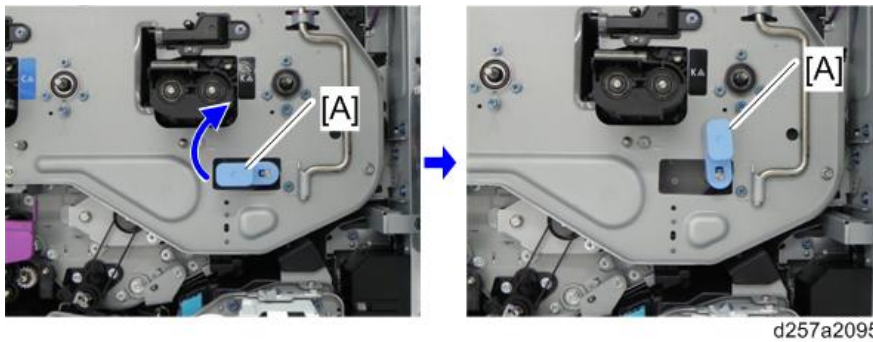
10. Remove the ITB retainer [A].



11. Attach the ITB separation lever [A] horizontally from the right side of the machine.



- 12.** Turn the ITB separation lever [A] clockwise until it stops.



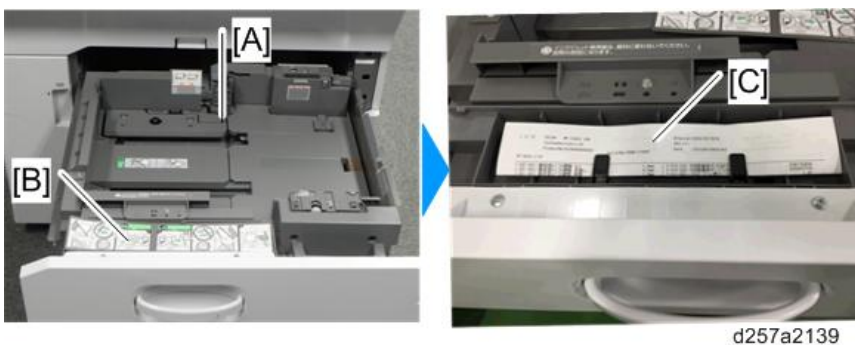
- 13.** Return the toner supply unit to the machine and secure it with the screws.

- 14.** Attach the ITB cleaning intake fan and drawer unit cover

Storing the Factory SP Sheet

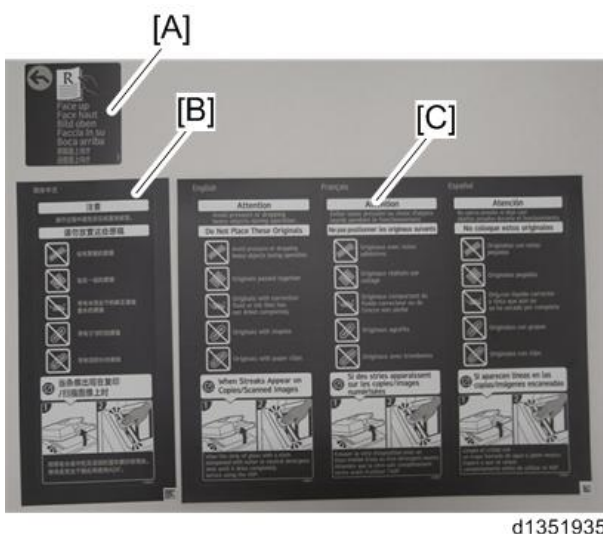
On a newly delivered machine, the factory SP sheet is located on the exposure glass.

Open the tandem tray [A], and remove the paper set sheet [B]. Confirm that the factory SP sheet [C] is stored inside.



Attaching the decals

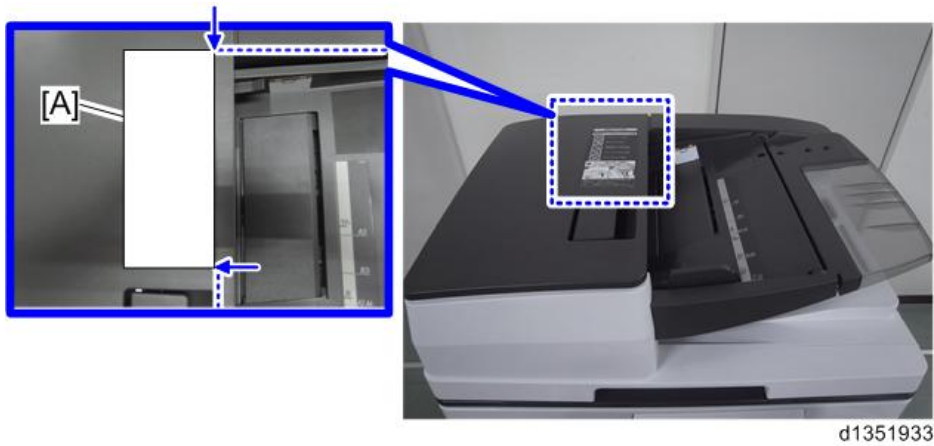
- 1.** Prepare the ADF paper set decal [A] and ADF caution decal ([B] or [C]).



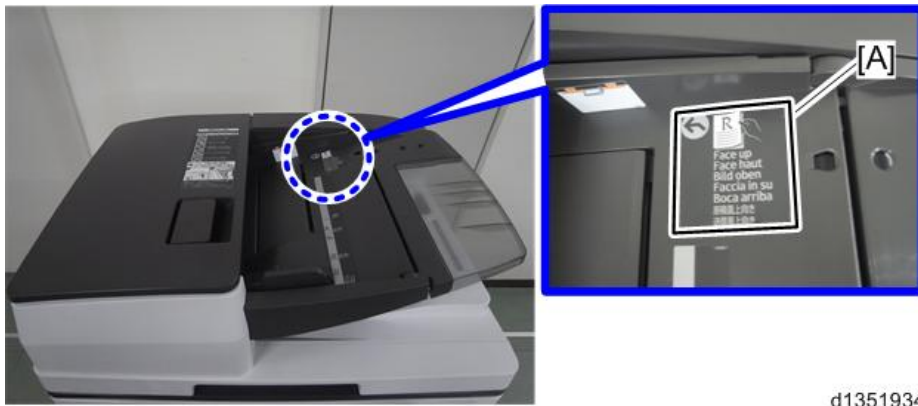
2. Installation

- [B]: ADF caution decal for China
- [C]: ADF caution decal for other countries

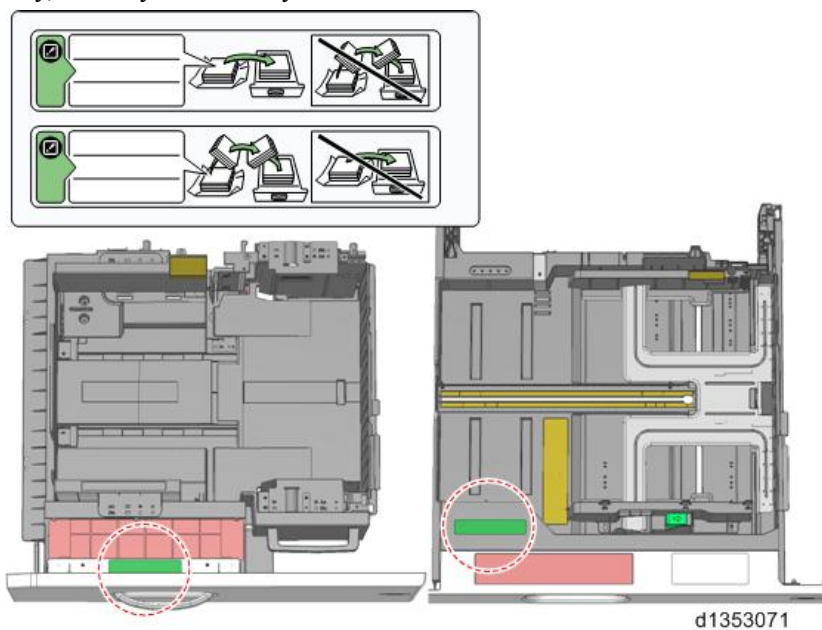
2. Attach the ADF caution decal to the position [A] on the ADF.



3. Attach the ADF paper set decal [A] in the indentation in the ADF.



4. According to the paper that will be used by the customer, select and attach the following decals to the 1st tray, 2nd tray and 3rd tray.



Note

- Paper type, brand, etc can be written on the blank space.

Machine Level Adjustment

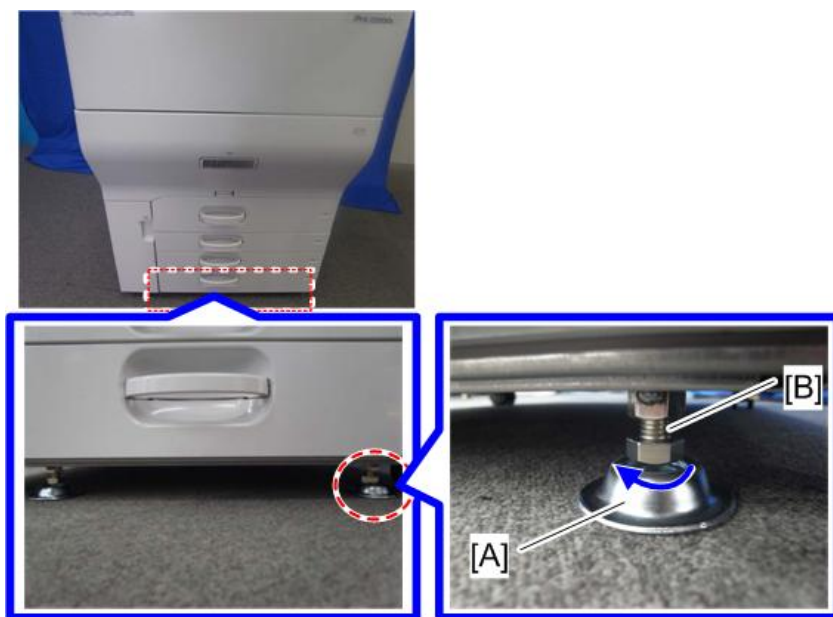
When installing the main machine, make the machine level.

Important

- If the machine is not leveled, the tilt of the machine reduces the accuracy in side-to-side registration.
- The front and rear side of the machine must be less than 5 mm (0.2") away from level.

- 1.** Place the four leveling shoes [A] below the bolts [B] under each corner of the machine.
- 2.** Turn the nuts [B] to lower the bolt until the bolts reach the leveling shoes [A].

Example below: Front side

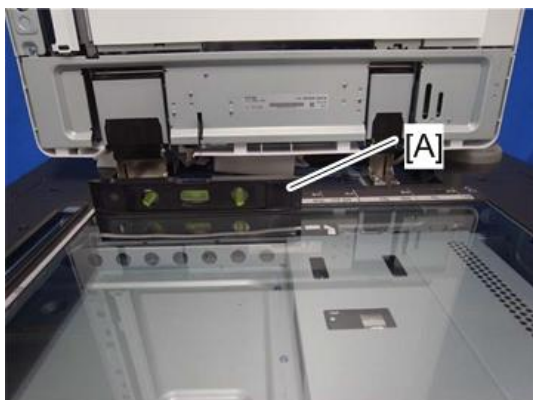


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Note

- Use a wrench to raise or lower the nuts.

- 3.** Open the ADF, and then place a level [A] on the exposure glass.



d1350035

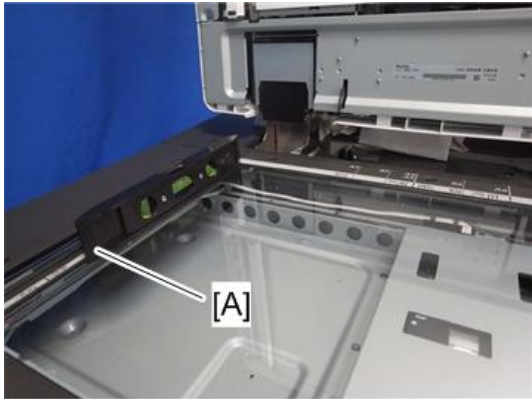
- 4.** Adjust the machine level until the machine is less than 5mm from level (measure from left-to-right).
 - When the right side of the machine is lower: Lower the nuts of the right side of the machine (front and

2. Installation

rear) to lift the right side of the machine.

- When the left side of the machine is lower: Lower the nuts of the left side of the machine (front and rear) to lift the left side of the machine.

5. Open the ADF, and then place the level [A] along the side.



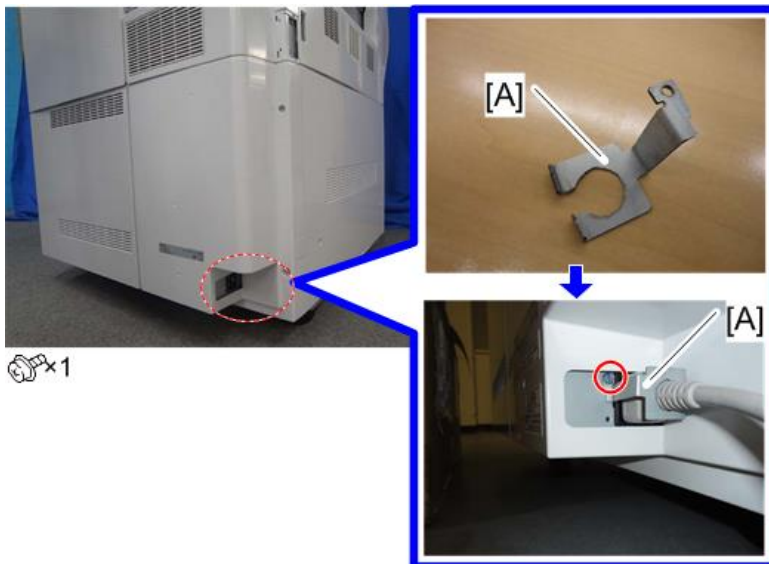
d1350036

6. Adjust the machine level until the machine is less than 5mm from level (measure from front-to-rear).

- When the front side of the machine is lower: Lower the nuts of the front side of the machine (left and right) to lift the front of the machine.
- When the rear side of the machine is lower: Lower the nuts of the rear side of the machine (left and right) to lift the rear of the machine.

Installing the Securing Bracket to Prevent the Power Cord from Falling Off

1. Install the securing bracket [A] to prevent the power cord from falling off.



d1350048a

How to Set the Toner Cartridge

★ Important

- Be careful when setting the toner cartridges because the toner cartridges have different shapes, and the cartridge may be damaged if you try to force a cartridge into the wrong place. The position of

the toner cartridges is Y, M, C, K from the left.



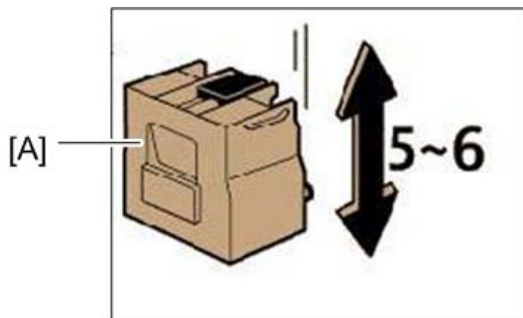
d1350050

1. Open the toner supply unit front cover [A].



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2. Unpack the new toner cartridge.
3. Turn the toner cartridge upside down and shake 5-6 times while grasping both ends.



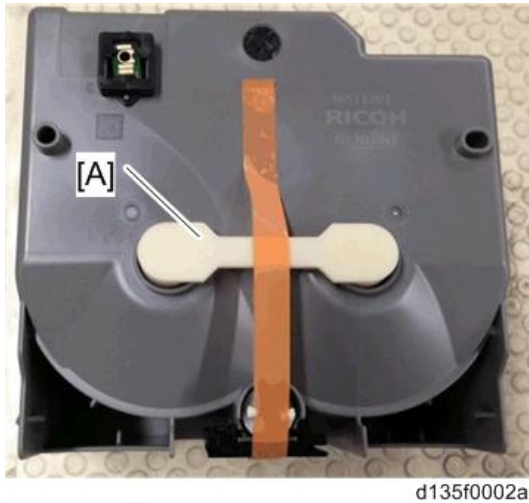
d1350049

4. Set each color toner cartridge. Push the toner cartridge until it locks into place.

2. Installation

Note

- Make sure to remove the retainer [A] before installing the K toner cartridge.



ACC (Automatic Color Calibration) Adjustment

- 1.** Check that there are no clamps etc. that you forgot to remove, and plug the power cord into its power source.
- 2.** Turn the main power switch ON.
- 3.** Tap [User Tools], and execute Auto Color Calibration and Adjusting the Color Registration.

Auto Color Calibration (ACC)

- Press the [User Tools] icon on the [Home] screen.
- Press [Machine Features] - [Maintenance] - [Auto Color Calibration].
- Press [Start].

Adjusting the Color Registration

- Press the [User Tools] icon on the [Home] screen.
- Press [Machine Features] - [Maintenance] - [Color Registration].
- Press [OK].

Checking the copy image with the color chart

If you want to install any options, install them using the installation procedure before doing the procedure below.

- 1.** Switch the machine to copier mode.
- 2.** Make sure that there is A3 or DLT paper in one of the trays.
- 3.** Put a "Color Chart C-5" on the exposure glass.
- 4.** Select full color mode and print one copy of the chart.
- 5.** Check the results of the copy with the customer.

Paper Tray Settings

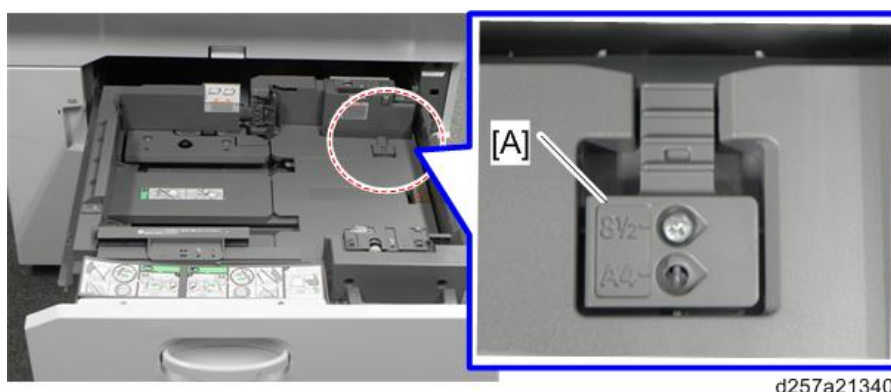
Adjust the side-to-side registration for each paper tray as necessary.

- SP1-003-001 (Side-to-Side Reg: Tray1)

- SP1-003-002 (Side-to-Side Reg: Tray2)
- SP1-003-003 (Side-to-Side Reg: Tray3)
- SP1-003-004 (Side-to-Side Reg: Tray4)
- SP1-003-005 (Side-to-Side Reg: Bypass Tray)
- SP1-003-006 (Side-to-Side Reg: Duplex)

★ Important

- The pressure release bracket [A] of the tray bottom plate is set to 8¹/₂ size at the factory. For MP C6503/C8003, do not change the position of the bracket even if using A4 size paper. (The bracket is fixed to 8¹/₂ size).



Security Function Installation (MP C6503/C8003)

The machine contains the Security functions (Data Overwrite Security and HDD Encryption) in the controller board.

If you are installing a new machine, it is recommended to activate the Data Overwrite Security and HDD Encryption by selecting "Format All Data" from "System Settings" on the operation panel.

↓ Note

- This method is recommended because there is no user data on the hard drive yet (Address Book data, image data, etc.).

If the customer wishes to activate the Data Overwrite Security and HDD Encryption unit on a machine that is already running, it is recommended to activate the unit by selecting "All Data" from "System Settings" on the operation panel.

★ Important

- Selecting "All Data" will preserve the data that has already been saved to the HDD. (If "Format All Data" is selected, all user data saved to the HDD up to that point will be erased).

Immediately after encryption is enabled, the encryption setting process will take several minutes to complete before you can begin using the machine.

↓ Note

- If encryption is enabled after data has been stored on the HDD, or of the encryption key is changed, this process can take up to three and a half hours or more.

The machine cannot be operated while data is being encrypted.

2. Installation

Once the encryption process begins, it cannot be stopped.

Make sure that the machine's main power is not turned off while encryption is in progress.

If the machine's main power is turned off while encryption is in progress, the HDD will be damaged and all data on it will be unusable.

Print the encryption key and keep the encryption key (which is printed as a paper sheet).

Keep the encryption key in a safe place. If the encryption key is lost and cannot be printed, the controller board, HDD and NVRAM must all be replaced at the same time.

Note

- "NVRAM" mentioned in here means the NVRAM on the Controller Board.
- "NVRAM" or EEPROM on the BICU has nothing to do with this.

Please use the following procedure when reinstalling Data Overwrite Security and HDD Encryption.

Data Overwrite Security

Before You Begin the Procedure

1. Make sure that the following settings (1) to (3) are not at their factory default values.

(1) Supervisor login password

(2) Administrator login name

(3) Administrator login password

If any of these settings is at the factory default value, tell the customer these settings must be changed before you do the installation procedure.

2. Make sure that "Admin. Authentication" is on.

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication]

If this setting is off, tell the customer this setting must be on before you do the installation procedure.

3. Make sure that "Administrator Tools" is enabled (selected).

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

Installation Procedure

1. Connect the network cable if it needs to be connected.

2. Turn ON the main power.

3. Go into the SP mode and push "EXECUTE" in SP5-878-001.

4. Exit the SP mode and turn OFF the main power.

5. Turn ON the main power.

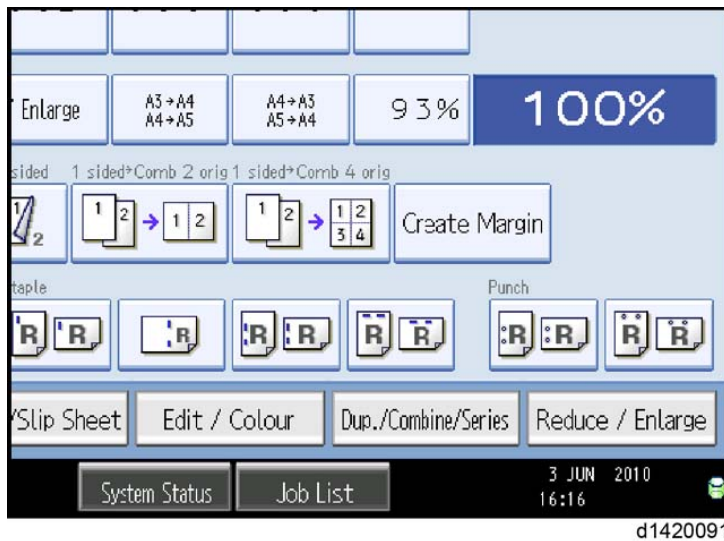
6. Do SP5-990-005 (SP print mode Diagnostic Report).



Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.

7. Go into the User Tools mode, and select [System Settings] → [Administrator Tools] → [Auto Erase

Memory Setting] → [On].

8. Exit the User Tools mode.



	Icon [1]	This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.
	Icon [2]	This icon is lit when there is no temporary data to be overwritten.

9. Check the display and make sure that the overwrite erase icon appears.

10. Check the overwrite erase icon.

The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.

The icon [2] is lit when there is no temporary data to be overwritten.

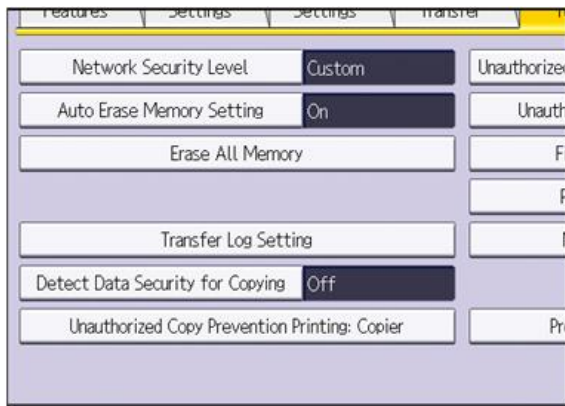
Using Auto Erase Memory

The Auto Erase Memory function can be enabled by the following procedure.

- 1.** Log in as the machine administrator from the control panel.
- 2.** Press the [User Tools] icon.
- 3.** Press [Machine Features].
- 4.** Press [System Settings].
- 5.** Press [Administrator Tools].
- 6.** Press [Next] three times.

2. Installation

7. Press [Auto Erase Memory Setting].



d1822517

8. Press [On].

9. Select the method of overwriting.

If you select [NSA] or [DoD], proceed to step 12.

If you select [Random Numbers], proceed to step 10.

10. Press [Change].

11. Enter the number of times that you want to overwrite using the number keys, and then press [#].

12. Press [OK]. Auto Erase Memory is set.

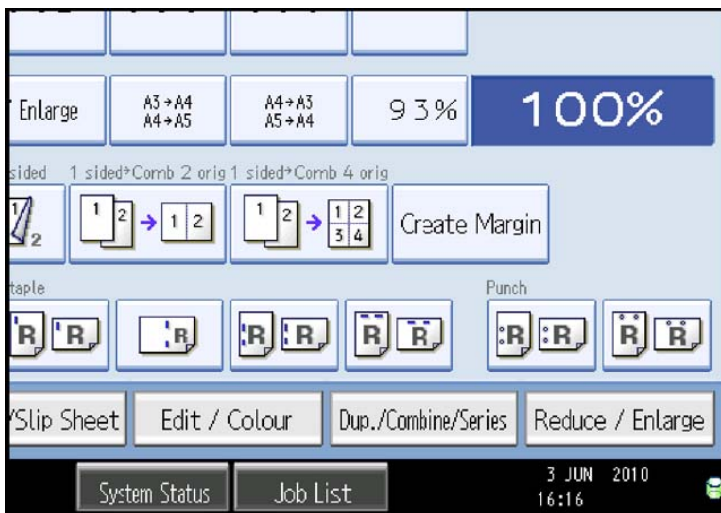
13. Log out.

14. Check the display and make sure that the overwrite erase icon appears.


15. Check the overwrite erase icon.


The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.

The icon [2] is lit when there is no temporary data to be overwritten.



d1420091

	<p>Icon [1]</p>	<p>This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.</p>
---	---------------------	--

	Icon [2]	This icon is lit when there is no temporary data to be overwritten.
---	-------------	---

HDD Encryption

Before You Begin the Procedure:

- 1.** Make sure that the following settings (1) to (3) are not at the factory default settings.
 - (1) Supervisor login password
 - (2) Administrator login name
 - (3) Administrator login password
 If any of these settings is at the factory default value, tell the customer these settings must be changed before you do the installation procedure.
- 2.** Confirm that "Admin. Authentication" is on.
 [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication] -> [On]
 If this setting is off, tell the customer that this setting must be on before you can do the installation procedure.
- 3.** Confirm that "Administrator Tools" is selected and enabled.
 [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]
 "Available Settings" is not displayed until step 2 is done.
 If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.

Installation Procedure

- 1.** Turn ON the main power, and then enter the SP mode.
- 2.** Select SP5878-002, and then press "Execute" on the LCD.
- 3.** Exit the SP mode after "Completed" is displayed on the LCD.
- 4.** Turn OFF the main power.

Enable Encryption Setting

Machine Data Encryption Settings can be enabled by the following procedure.

★ Important

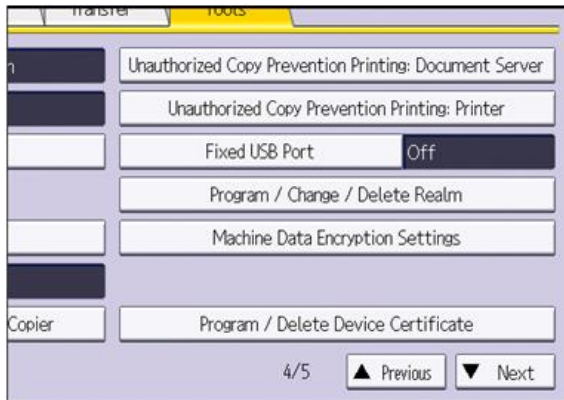
When setting up encryption, specify whether to start encryption after deleting data (initialize) or encrypt and retain existing data. If data is retained, it may take some time to encrypt it.

- 1.** Turn ON the main power.
- 2.** Log in as the machine administrator from the control panel.
- 3.** Press the [User Tools] icon.
- 4.** Press [Machine Features].
- 5.** Press [System Settings].
- 6.** Press [Administrator Tools].

2.Installation

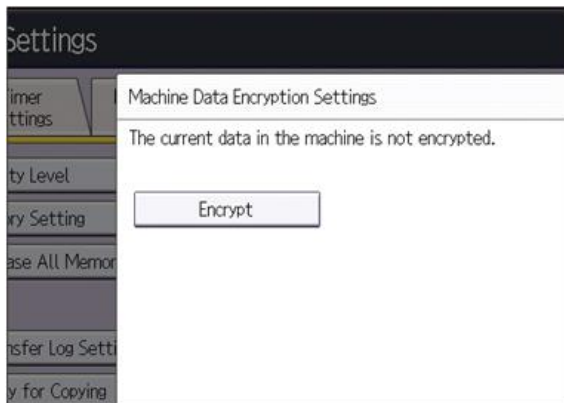
7. Press [Next] three times.

8. Press [Machine Data Encryption Settings].



d1822518

9. Press [Encrypt].



d1822519

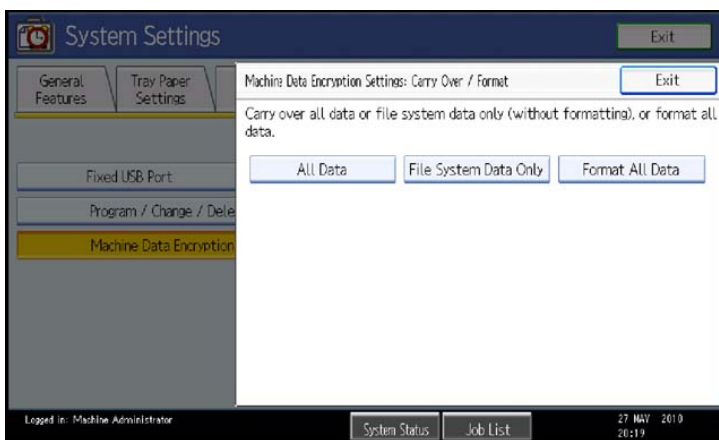
10. Select the data to be carried over to the hard disk and not be reset.

To carry all of the data over to the hard disk, select [All Data].

To carry over only the machine settings data, select [File System Data Only].

To reset all of the data, select [Format All Data].

11. Select the backup method.

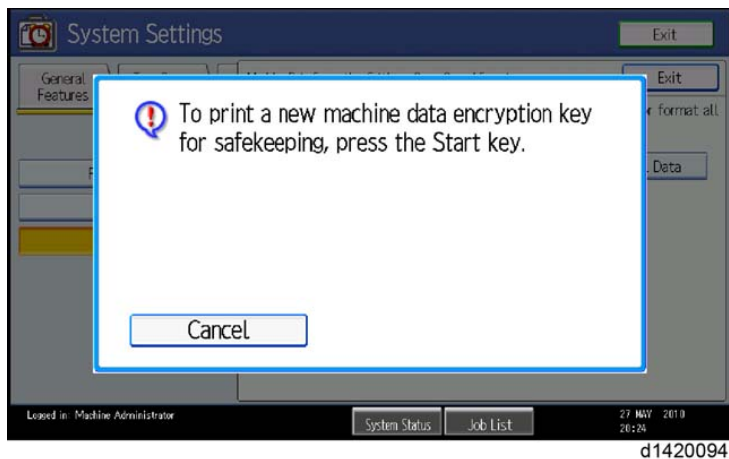


d1420093

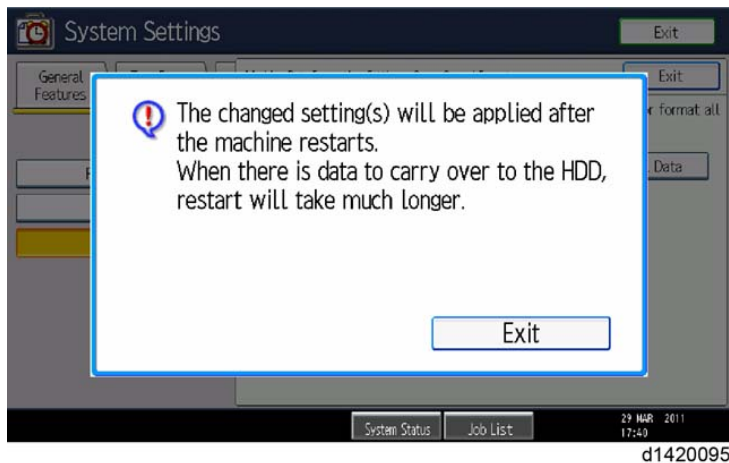
If you have selected [Save to SD Card], load an SD card into the media slot on the side of the control panel and press [OK] to back up the machine's data encryption key.

If you have selected [Print on Paper], press the [Start] key to print out the machine's data encryption key.

- 12.** Press [OK].



- 13.** Press [Exit].



- 14.** Press [Exit].

- 15.** Log out.

- 16.** Turn OFF the main power, and then turn the main power back ON.

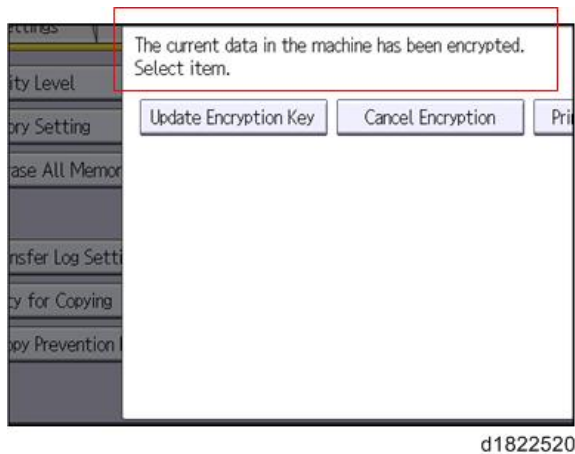
The machine will start to convert the data on the memory after you turn on the machine. Wait until the message "Memory conversion complete. Turn the main power switch off." appears, and then turn the main power off again.

Check the Encryption Settings

- 1.** Press the [User Tools] icon.
- 2.** Press [Machine Features].
- 3.** Press [System Settings].
- 4.** Press [Administrator Tools].
- 5.** Press [Machine Data Encryption Settings].

2.Installation

6. Confirm whether the encryption has been completed or not on this display.

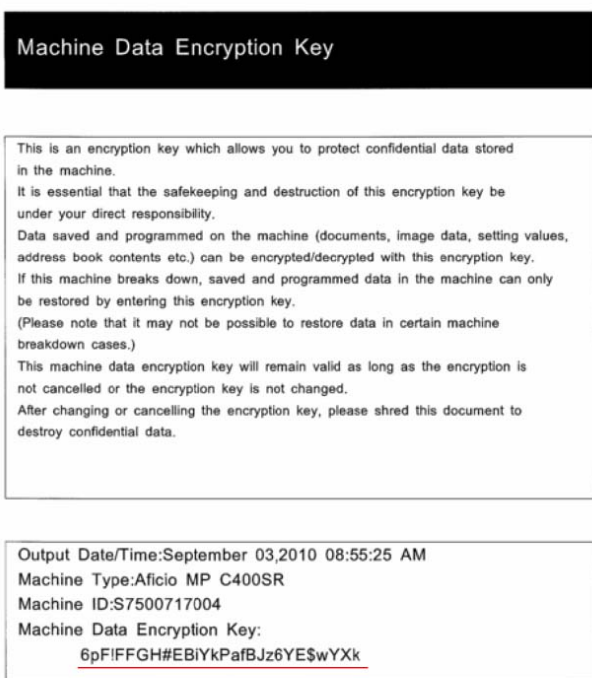


Print the Encryption Key

Use the following procedure to print the key again if it has been lost or misplaced.

1. Press the [User Tools] icon.
2. Press [Machine Features].
3. Press [System Settings].
4. Press [Administrator Tools].
5. Press [Machine Data Encryption Settings].
If this item is not visible, press [Next] to display more settings.
6. Press [Print Encryption Key].

Encryption Key Example



d1420100

The encryption key is printed out as a sheet of paper like the example shown above.

Please instruct the customer to keep it in a safe place.

Backing Up the Encryption Key

The encryption key can be backed up. Select whether to save it to an SD card or to print it.

★ Important

The encryption key is required for data recovery if the machine malfunctions. Be sure to store the encryption key safely for retrieving backup data.

1. Log in as the machine administrator from the control panel.
2. Press the [User Tools] icon.
3. Press [Machine Features].
4. Press [System Settings].
5. Press [Administrator Tools].
6. Press [Next] three times.
7. Press [Machine Data Encryption Settings].

2.Installation

8. Press [Print Encryption Key].



d1822515

9. Select the backup method.

If you have selected [Save to SD Card], load an SD card into the media slot on the side of the control panel and press [OK]; once the machine's data encryption key is backed up, press [Exit].

If you have selected [Print on Paper], press the [Start] key. Print out the machine's data encryption key.

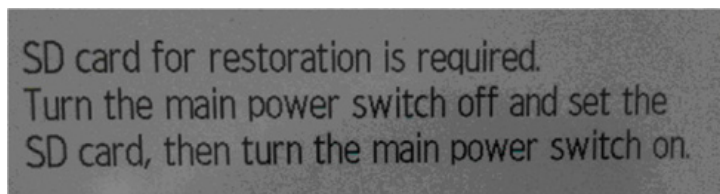
10. Press [Exit].

11. Log out.

Encryption Key Restoration

How to restore the old encryption key to the machine

The following message appears after the controller board is replaced. In such a case, it is necessary to restore the encryption key to the new controller board.



d1420101

To do this, follow the procedure below.

1. Prepare an SD card that has been initialized in FAT16 format.
2. Using a PC, create a folder in the SD card and name it "restore_key".
3. Create a folder in the "restore_key" folder and name it the same as machine's serial number, "xxxxxxxxxxx" (11 digits).
4. Create a text file called "key_xxxxxxxxxxxx.txt" and save it in the "xxxxxxxxxxx" folder. Write the encryption key in the text file.

/restore_key/xxxxxxxxxxx/key_xxxxxxxxxxxx.txt

Note

Ask an Administrator to enter the encryption key. The key has already been printed out by the user and may have been saved in the "key_xxxxxxxxxxxx.txt" file. (The function of back-up the encryption key to the SD card directly is provided 11A products or later.)

5. Turn ON the machine's main power.

- 6.** Confirm that a message is displayed on the LCD telling to insert the SD card that contains the encryption key.
- 7.** Turn OFF the main power.
- 8.** Insert the SD card that contains the encryption key into SD card slot 2 (the lower slot).
- 9.** Turn ON the main power.

Note

The machine will automatically restore the encryption key to the flash memory on the controller board.

- 10.** Turn OFF the main power when the machine has returned to normal status.
- 11.** Remove the SD card from SD card slot 2.

How to do a forced start up with no encryption key

If the encryption key back-up has been lost, follow the procedure below to do a forced start-up.

Important

- The HDD will be formatted after the forced start-up.
- Encrypted data will be deleted.
- User settings will be cleared.

- 1.** Prepare an SD card.
- 2.** Create a directory named "restore_key" inside the root directory of the SD card. Then, save the "nvram_key.txt" file using the following name:
/restore_key/nvram_key.txt
- 3.** Create a text file and write "nvclear".

Important

- Write this string at the head of the file.
- Use all lower-case letters.
- Do not use quotation marks or blank spaces.
- It is judged that a forced start has been selected when the content of "nvclear" is executed and the machine shifts to the alternate system (forced start).

- 4.** Confirm that a message is displayed on the LCD telling to insert the SD card that contains the encryption key.
- 5.** Turn OFF the main power.
- 6.** Insert the SD card that contains the encryption key into SD card slot 2 (the lower slot).
- 7.** Turn ON the main power.
The machine automatically clear the HDD encryption.
- 8.** Turn OFF the main power when the machine has returned to normal status.
- 9.** Remove the SD card from SD card Slot 2.
- 10.** Turn ON the main power.
- 11.** Memory clear SP5-801-xxx (Exclude SP-5-801-001: All Clear and SP-5-801-002: Engine), and clear SP5-846-046: address book.
- 12.** Set necessary user settings in User Tools.

2. Installation

SP descriptions

- SP5-878-002 (Option Setup: HDD Encryption)
Executes the setup for encryption.
- SP5-990-005 (SP Print Mode: Diagnostic Report)
Prints the configuration sheets of the system and user settings : SMC.
Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.
- SP5-801-001 (Memory Clear: All Clear)
Resets all correction data for process control and all software counters, and returns all modes and adjustments to their default values.
- SP5-801-002 (Memory Clear: Engine)
Clears non-volatile memory of engine.
- SP5-846-046 (UCS Setting: Addr Book Media)
Displays the slot number where an address book data is in.
0: Unconfirmed
1: SD Slot 1
2: SD Slot 2
3: SD Slot 3
4: USB Flash ROM
10: SD Slot 10
20: HDD
30: Nothing

Auto Remote Firmware Update (ARFU) Settings (MP C6503/C8003)

Specify ARFU settings as required.

Important

Operating Conditions:

- ARFU requires connection to the Internet. Be sure to get permission from the customer before setting ARFU up. Otherwise, it may cause an incident.
- ARFU is available only for machines that contain a HDD. If the machine does not have a HDD, an option HDD must be installed.

Note

- The connection is one-way, so the user's data cannot be accessed from the firmware server.

Procedure:

1. ARFU enable setting
2. Server connection check
3. Prohibited date and time setting

(1) Enable ARFU

1. Set SP5-886-111 (Auto Update Setting) to "1 (ON)".

1: ON / 0: OFF (Default)

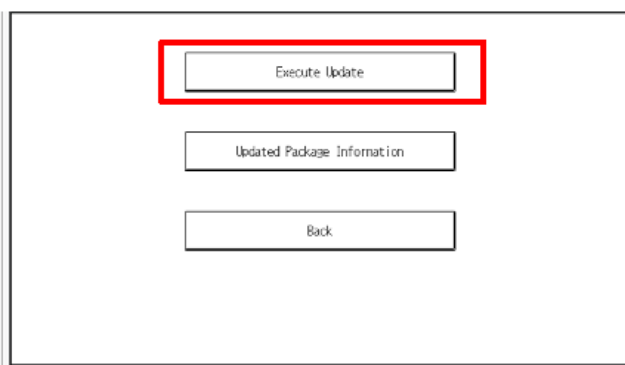
Note

To download the firmware only using SFU (Smart Firmware Update), and not by ARFU, specify the settings as follows:

- SP5-886-111(Auto Update Setting) to "0 (OFF)"
- SP5-886-115 (SFU Auto Download Setting) to "1 (ON)"

(2) Server connection check

1. Enter the SP mode.
2. Press [Firmware update] > [Update] > [Execute update].



d238m0986e

3. Check if one of the following messages appears: "Will you download the latest package Ver *** and update?" or "The installed package is the latest version.".

If the message appears, it is possible to execute ARFU. Press "No" and close SP mode to complete the configuration.

Important

The update will run immediately if you press "Yes" at the message "Will you download the latest package Ver *** and update?" The update cannot be canceled if it is run by SFU. (The update can be canceled if ARFU is used.)

Note

SP5-886-116 (Auto Update Prohibit Term Setting) displays the scheduled date and time of the next ARFU. If error code 71: [Network connection error] appears when you click "Execute update", see troubleshooting below.

(3) Prohibited date and time setting

Ask the customer for the prohibited times and days of the week for ARFU execution and set the following as needed. The default prohibited time is from 9 a.m. to 5 p.m. and there is no prohibited day.

- SP5-886-112 (Auto Update Prohibit Term Setting) Default: 1 (ON)
- SP5-886-113 (Auto Update Prohibit Start hour) Default: 9

2.Installation

- SP5-886-114 (Auto Update Prohibit End hour) Default: 17
- SP5-886-120 (Auto Update Prohibit Day Of Week Setting) Default: 00000000 [00H]

Set the bits for the days of the week to prohibit updating.

Prohibited (Monday - Sunday): bit 7, Monday: bit 6, Tuesday: bit 5

Wednesday: bit 4, Thursday: bit 3, Friday: bit 2, Saturday: bit 1, Sunday: bit 0

e.g.) Prohibited on Mon., Fri., Sat., and Sun.: 01000111 [47H]

↓ Note

They can be specified also via Web Image Monitor if logged in as the machine administrator from the device if SP5-886-111(Auto Update Setting) is set to "1 (ON)". For details, see [Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor](#).

Troubleshooting: If error code 71: [Network connection error] appears

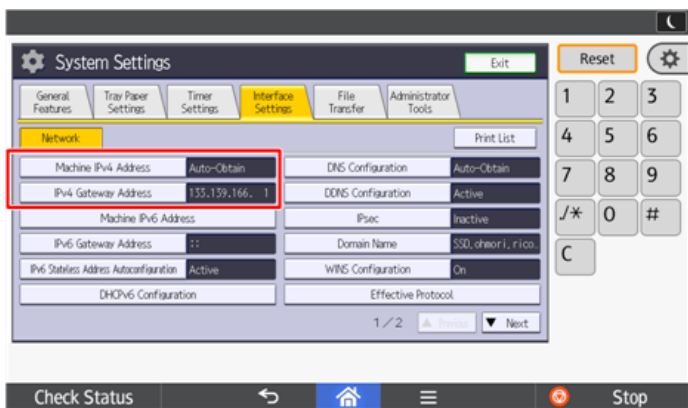
If error code 71: [Network connection error] appears when you click [Firmware update] > [Update] > [Execute update] in SP mode, check the following.

- 4-1. IPv4 address, Subnet mask of the machine and Gateway IPv4 address
- 4-2. IPv4 address of the DNS server
- 4-3. Proxy server settings
- 4-4. Encryption level setting SP

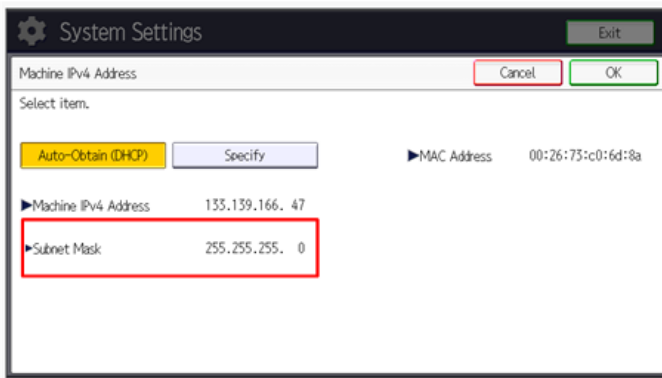
4-1. IPv4 address, Subnet mask of the machine and Gateway IPv4 address

Check the machine's IPv4 address, subnet mask, and gateway IPv4 address.

(In User Tools > Machine Features > System Settings > Interface Settings)



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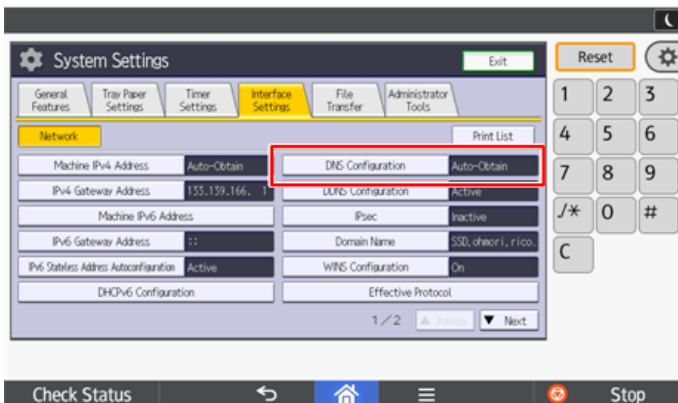


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4-2. IPv4 address of the DNS server

Check the DNS IPv4 address and check the connection.

(In User Tools > Machine Features > System Settings > Interface Settings > DNS configuration)



m0ajm0333

Note

How to find the IP address:

Ask the customer to tell you the IP address of the DNS server. If the customer does not know it, ask the customer to check the IP address by one of the following ways:

1. Run "ipconfig / all" at the command prompt on the computer, then check the IP address of the DNS server.
2. Open the IPv4 properties dialog box on the computer, then check whether the IP address setting of the DNS server is manual or automatic.
 - If the setting of the DNS IP address is automatic, select [Auto-Obtain (DHCP)] at the MFP machine's DNS settings.
 - If the setting of the DNS IP address is manual, select [Specify] and specify the DNS server 1 to 3.
 - Press [Connection Test] to check the connection with the input address. Make sure that it is connected successfully.

2.Installation



4-3. Proxy server settings

Check the user's network environment and, as required, specify the proxy server settings in the following SPs:

- SP5-816-062 (Use Proxy)
1: Used / 0: Not used
- SP5-816-063 (Proxy Host)
- SP5-816-064 (Proxy PortNumber)
- SP5-816-065 (Proxy User Name)
- SP5-816-066 (Proxy Password)

★ Important

If access to the external server is restricted, request the network administrator (customer) to permit the following FQDN name for communication.- FQDN: p-rfu-ds2.support.ricoh.com

↓ Note

They can be specified also via Web Image Monitor if logged in as the machine administrator from the device if SP5-886-111(Auto Update Setting) is set to "1(ON)". For details, see [Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor](#).

4-4. Encryption level setting SP

Check SP5-816-087 (Remote Service: CERT:Macro Ver) and make sure the encryption level is [2]: 2048 bit.

★ Important

If SP5-816-087 is [1]: 512 bit, specify the settings as follows:

1. Initialize the encryption level by executing SP5-870-003 (Common Key Info Writing: Initialize)
2. Rewrite as 2048 bit in SP5-870-004 (Common Key Info Writing: Writing 2048 bit).
3. Turn the main switch off and on.

↓ Note

Make sure to check the conditions before changing the encryption level and do the corresponding workaround. ARFU uses the same certificate as @Remote to communicate with the Global Server. This may cause failure in connecting with the Center Server, if the device is to be installed in the following conditions.

Conditions

1) Customer uses RC Gate Type BN1.

RC Gate Type BN1 does not support 2048 bit encryption level communication with Ricoh devices (HTTPS

Managed device). Therefore, the device cannot be registered under RC Gate Type BN 1.

2) Ricoh device (HTTPS Managed) that supports only 512 bit encryption level is registered as an external appliance.

Only one encryption level can be set for an external appliance for its communication with imaging devices. If a 512 bit encryption level Ricoh device (HTTPS Managed) is registered, the external appliance as well as other devices must also use 512 bit encryption even if 2048 bit encryption is supported on those devices.

Workaround

For Condition 1:

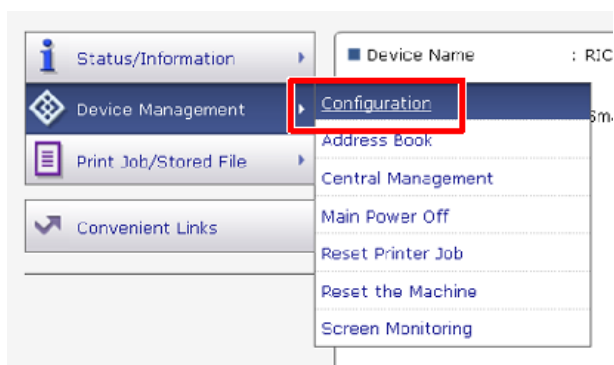
Advise your customer to change to the latest appliance that supports 2048 bit encryption level communication.

For Condition 2:

1. Manage the device with embedded RC Gate (2048 bit)
2. Exclude non-supported devices (i.e., those devices that cannot be changed from 512-bit to 2048-bit) from the external appliances, then change the encryption level of external appliances and all managed devices (from 512 bit to 2048 bit).

Specifying the Time and Day of the Week to Prohibit Updating via Web Image Monitor

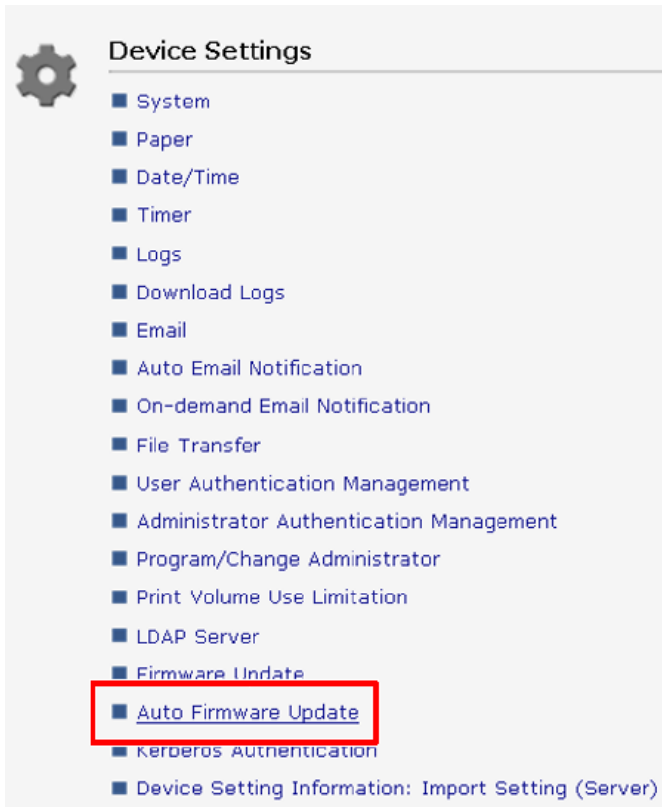
- 1.** Start Web Image Monitor.
- 2.** Log in as the machine administrator.
- 3.** Point to [Device Management], and then click [Configuration].



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2.Installation

4. Click "Auto Firmware Update".



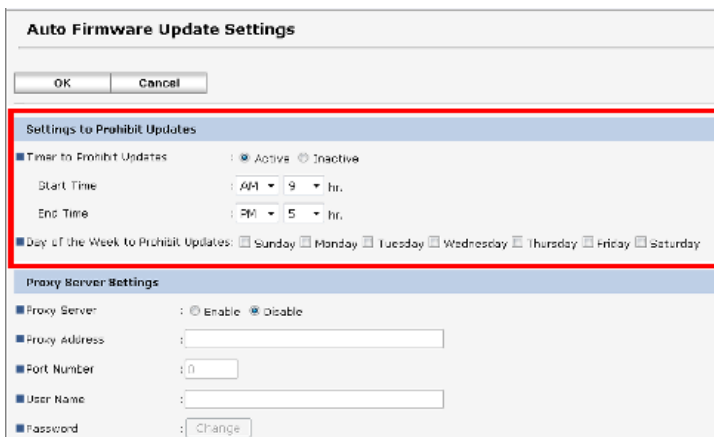
d238m0984j

Note

Turn the main power OFF and back ON again after setting SP5-886-111 (AutoUpdateSetting) to "1 (ON)". "Auto Firmware Update" will appear in the menu list of Web Image Monitor.

5. Specify the times and days of the week to prohibit updating.

Select the check boxes of the applicable days of the week to prohibit updating on that day



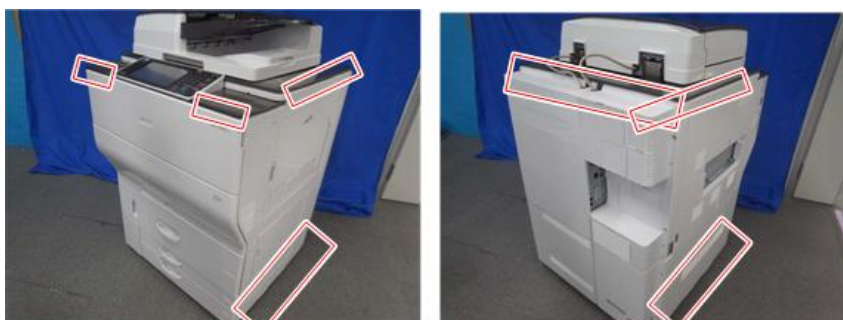
d238m0985e

Moving the Machine (MP C6503/C8003)

1. Turn OFF the main power switch, and then unplug the power cable from the main machine.
2. Close all the doors and trays that can be opened and closed, and then secure them in place with shipping tape.
3. Make sure to follow all the precautions listed below when moving the machine. This is to prevent the

machine from being damaged and the drawer unit from coming out.

- Do not put a load on the ADF
- When moving the machine, push the machine instead of pulling the machine. Pulling the machine may cause damage of the covers.
- When pushing the machine, push the upper side of the machine in the areas marked with red rectangles below. If you move the machine over an uneven surface, insert your hands under the machine at the places marked with red rectangles below, and then lift the machine slightly to get over the uneven surface.
- When you move the machine, face the **left or right side** of the machine toward the direction of movement. Then, push the machine forward at a slow walking speed. Go slower if there are any uneven areas on the floor.
- However, if you cannot face the left or right side forward, move the machine with the **front side** facing forward (in the direction you are moving).
- Do not face the rear side of the machine toward the direction of movement. This is because if the floor is inclined upward, the trays and drawer unit may come out.



d1350046

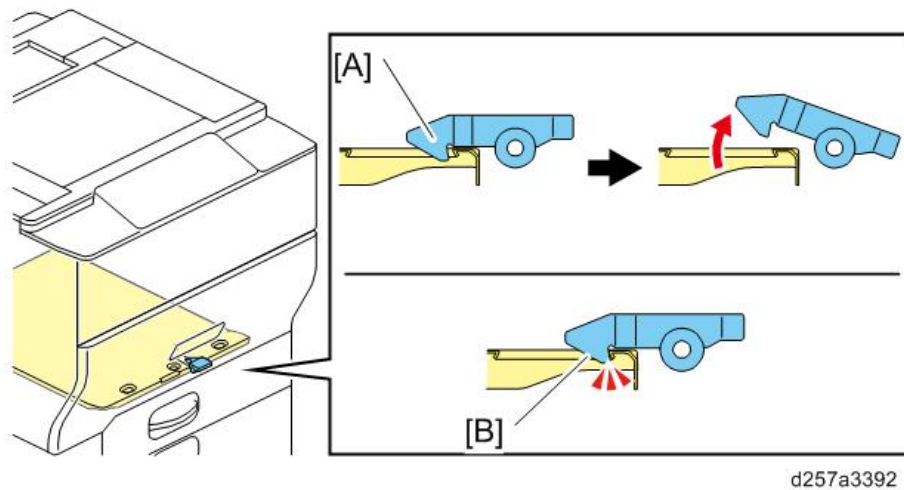
2.Installation

Note

- Do not push or lift the location marked with red rectangles below. You may damage the machine.



- After transporting the machine, the load on the front part of the machine may cause the drawer unit to become stuck, making it impossible to draw it out.
 - [A] (Normal): When the drawer unit is pulled, the lock mechanism is lifted and the drawer unit is unlocked.
 - [B] (Abnormal): The drawer unit is stuck.



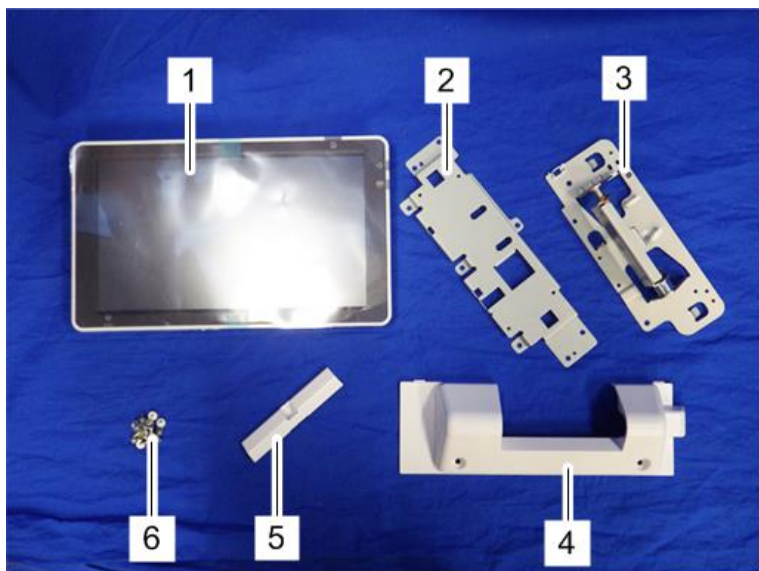
- If the drawer unit is stuck, push the drawer unit in and try pulling it out again.
- Also, please note that when the power is turned ON, the drawer unit will be pulled in automatically, and this will solve the problem.

Smart Operation Panel Type S6 (D3C9) (Pro C5200S/C5210S Only)

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	Operation Panel	1
2	Arm Bracket	1
3	Hinge	1
4	Operation Panel Rear Upper Cover	1
5	Operation Panel Rear Lower Cover	1
6	Tapping Screw - 3x6	18
-	EMC Address Decal	1
-	Caution Chart (CE)	1
-	NFC Tag	1
-	Caution Chart (CAN)	1
-	Manual: Start Guide	1
-	Caution: Smart Operation Panel	1
-	Caution: NFC Tag	1
-	Caution: FCC	1



d257a7224

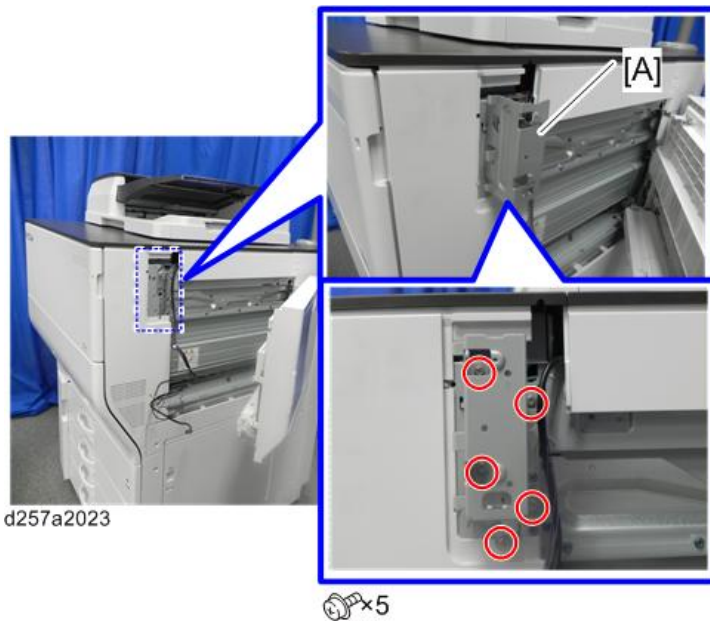
Installation Procedure

⚠ CAUTION

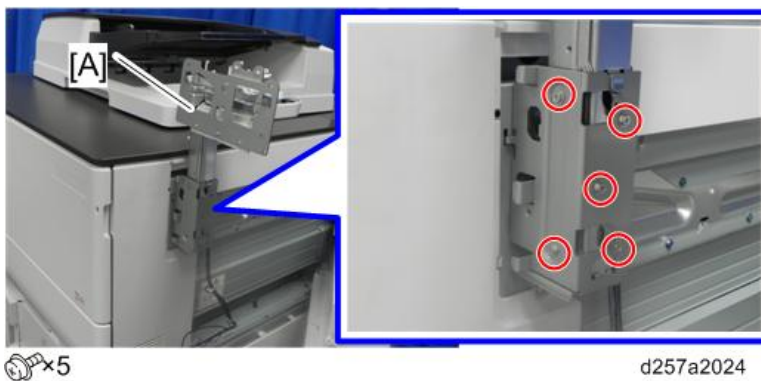
Turn OFF the machine and disconnect the machine power cord before you do this procedure.

2. Installation

1. Attach the arm stay [A] for the operation panel, provided with the main machine.

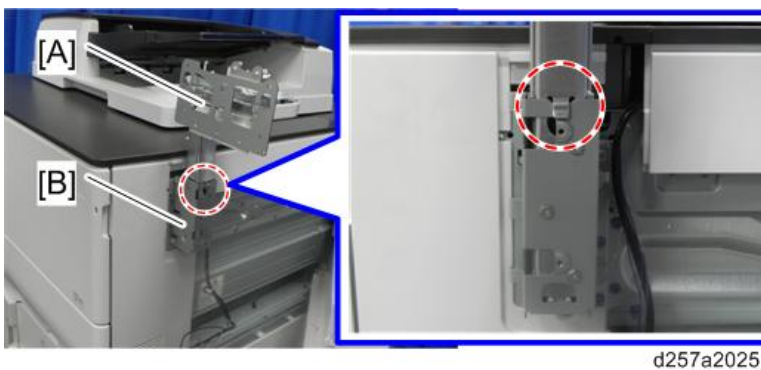


2. Attach the operation panel arm [A], provided with the main machine.

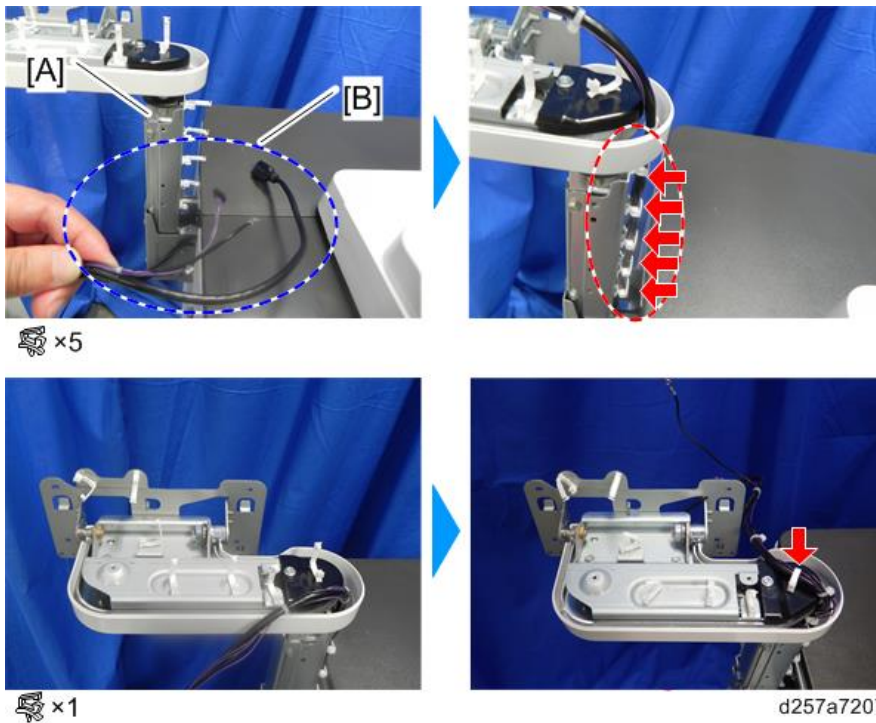


Note

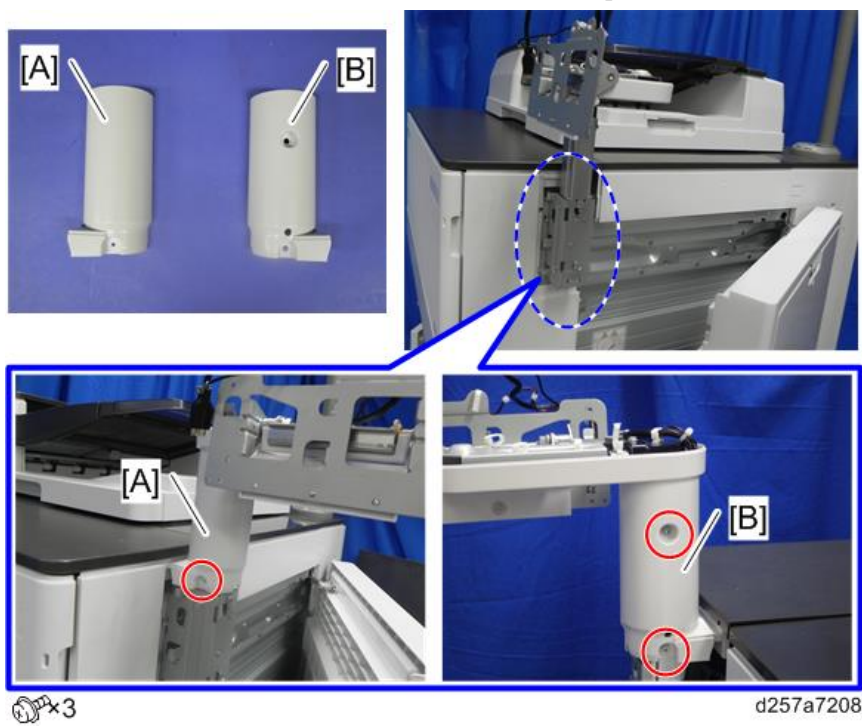
Position the hook of the operation panel arm [A] over the arm stay [B].



3. Route the harness [B] around the operation panel arm [A].

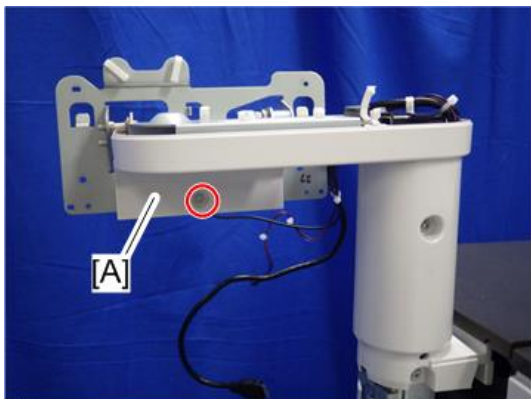


4. Attach the the rear cover [B] and the front cover [A], provided with the main machine.



2.Installation

- 5.** Remove the operation panel rear lower cover [A].



⊗x1

d257a7209

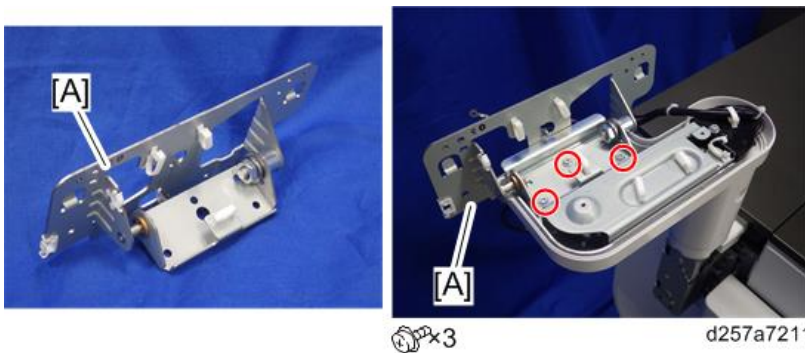
- 6.** Remove the hinge [A].



⊗x3

d257a7210

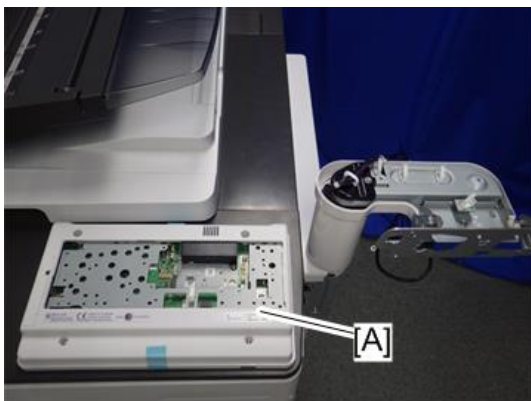
- 7.** Attach the hinge [A], provided with this option.



⊗x3

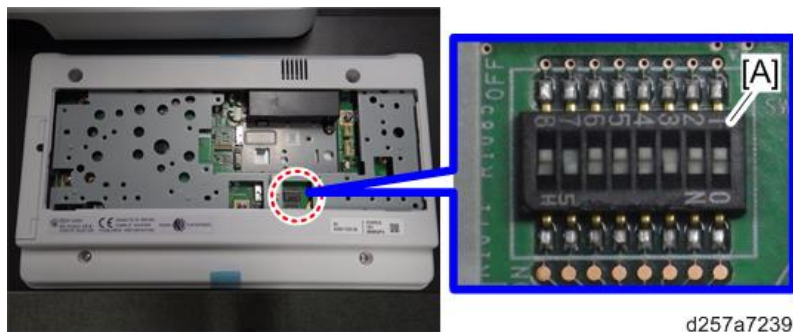
d257a7211

- 8.** Place the operation panel [A] on the upper front cover of the main machine with LCD facing down.



d257a7212

- 9.** Make sure that DIP switches 3 and 7 of the operation panel [A] are set to ON.

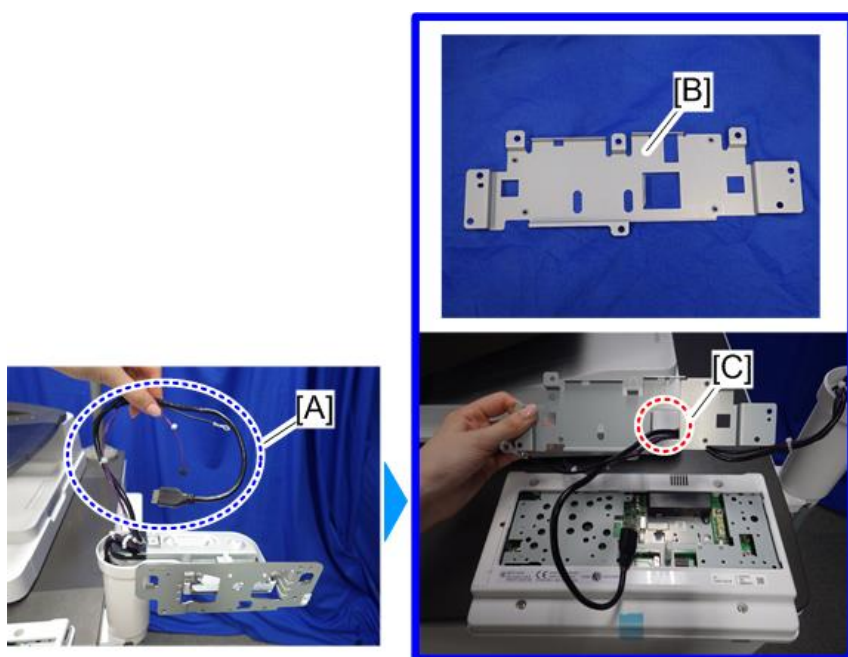


d257a7239

★ Important

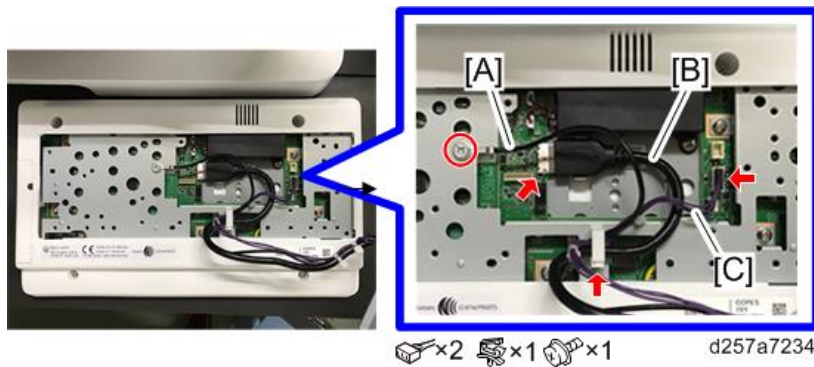
If the DIP switch settings are not correct, the machine will issue SC672.

- 10.** Pass the harness [A] through the cut-out [C] of the arm bracket [B].



d257a7214

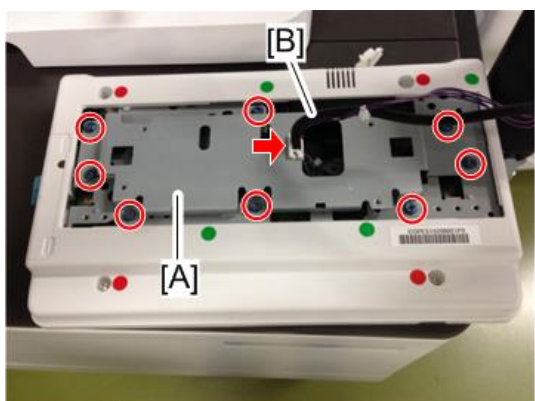
- 11.** Connect the harnesses [B] and [C] to the operation panel, and then route them as shown below.
12. Fix the ground cable [A].



d257a7234

2.Installation

- 13.** Attach the arm bracket [A] to the operation panel, and then fasten the harness [B] with the clamp.

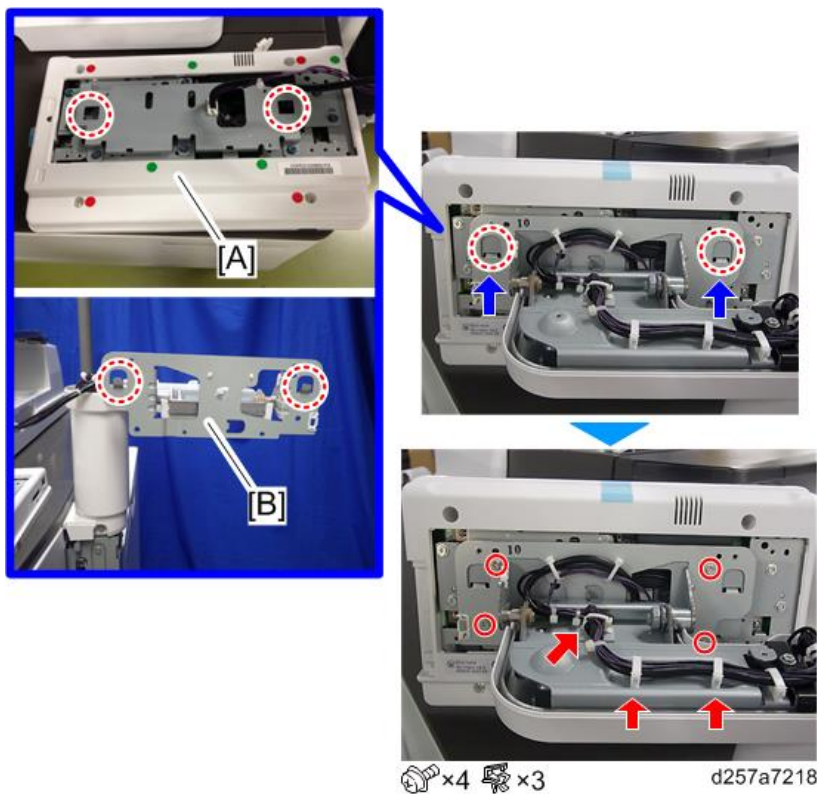


🔩 x8 🛠 x1

d257a7217

- 14.** Attach the operation panel [A], fitting it on the hooks of the hinge [B].

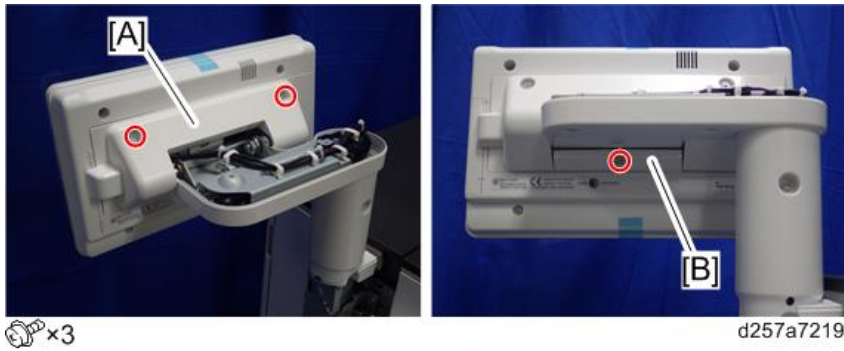
- 15.** Route the harness as shown below.



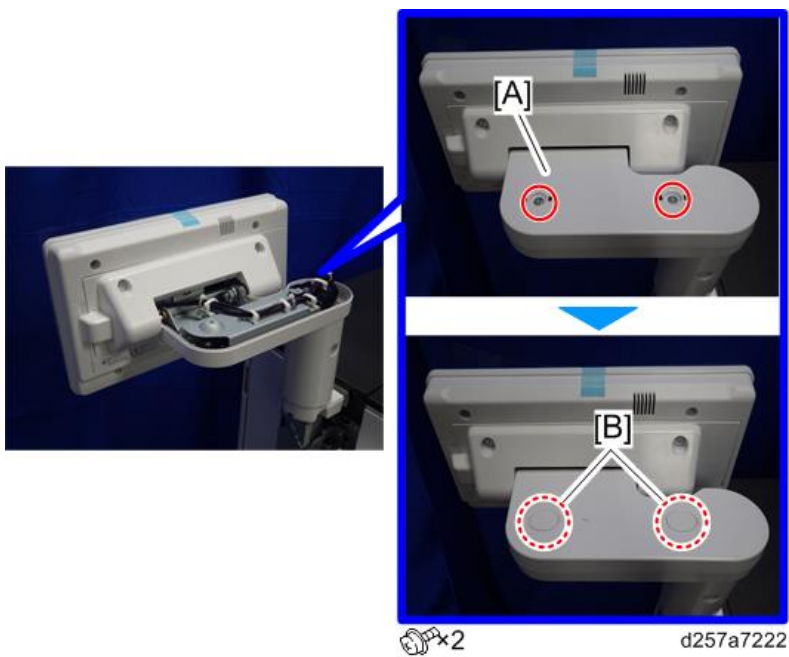
🔩 x4 🛠 x3

d257a7218

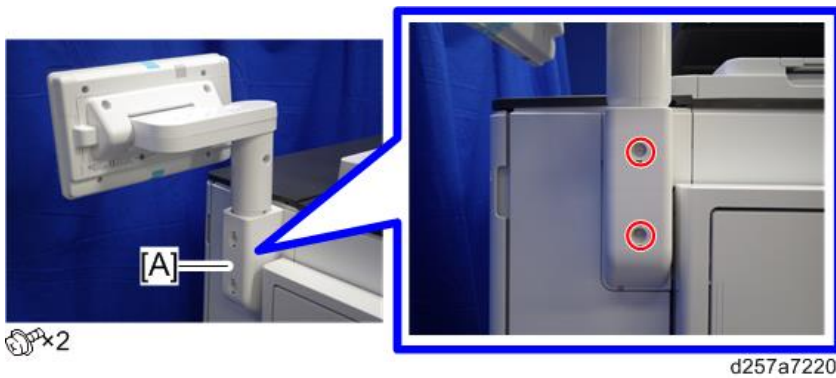
- 16.** Attach the operation panel rear upper cover [A] and the operation panel rear lower cover [B], provided with this option.



- 17.** Attach the arm upper cover [A] and the screw covers [B], provided with the main machine.

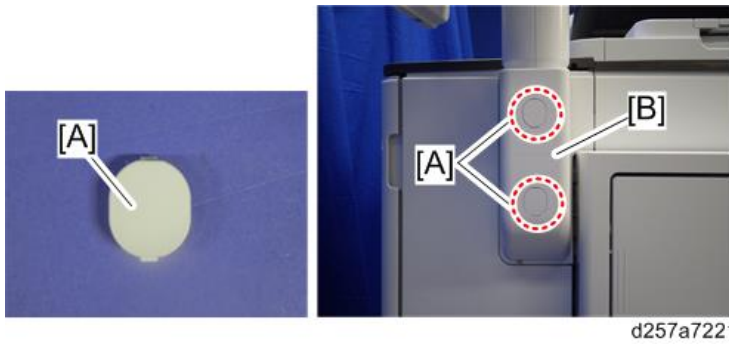


- 18.** Attach the arm cover [A], provided with the main machine.



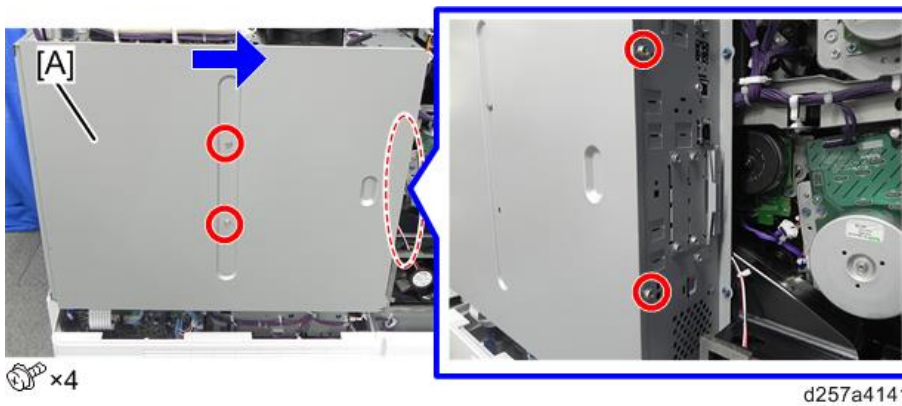
2.Installation

- 19.** Attach the screw covers [A], provided with the main machine, on the arm cover [B].

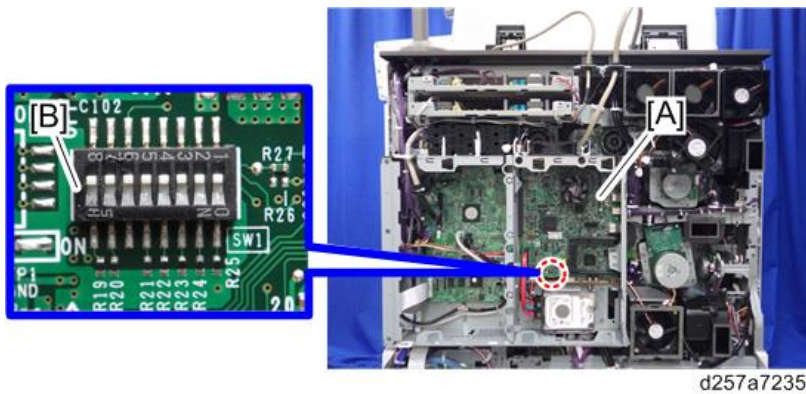


- 20.** Remove the rear middle cover. ([Rear Middle Cover](#))

- 21.** Remove the controller box cover [A].



- 22.** Change all the DIP switches [B] on the controller board [A] to OFF.



↓ Note

DIP switches 6 and 8 are set to ON as the default setting.

- 23.** Attach the controller box cover and rear middle cover.

- 24.** Remove the protection sheet [A].



d257a7223

- 25.** Plug in the machine and turn on the main power.
- 26.** Enter SP mode, and then execute SP5-801-001 (Memory Clear: All Clear).

2.Installation

LCIT RT4020 (D709)

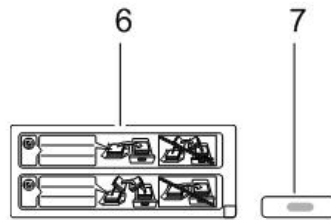
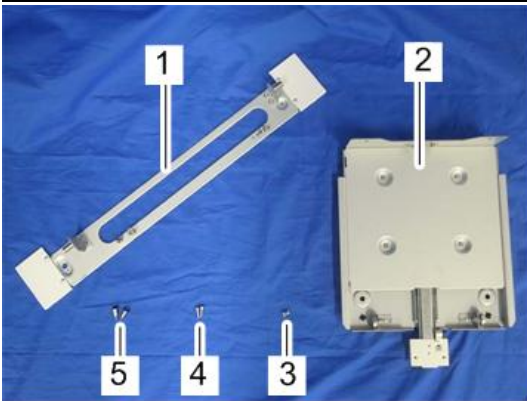
Note

- You cannot install LCIT RT4020 and LCIT RT4050 simultaneously.

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	Stay	1
2	Rail	1
3	Tapping screws – M3 x 6	2
4	Tapping screws – M4 x 14	2
5	Shoulder screws	2
6	Decal: caution chart: paper set direction	1
7	Decal: LED	1



d1351241

Installation Procedure

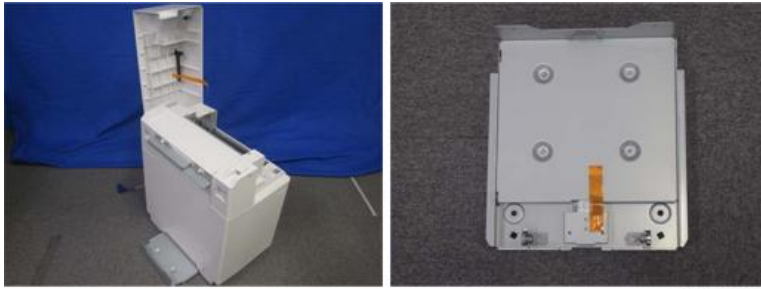
CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

1. Remove all tape and retainers from the LCIT.

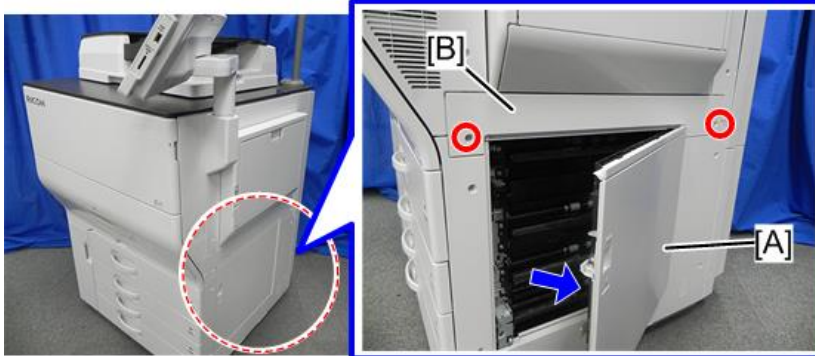


d1351110



d1351111

2. Open the vertical transport door [A] and remove the LCIT cover [B].



 x2

d257a4009

3. Remove the cover [A].

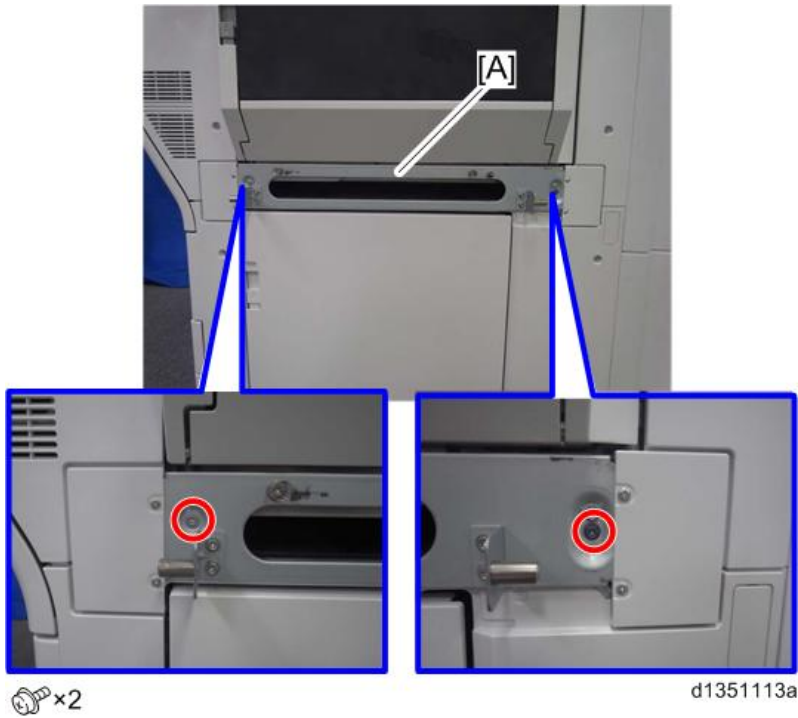


 x3

d257a3052

2. Installation

4. Install the stay [A] on the main machine. (M3 x 6)



5. Remove the connector cover [A] from the main machine.



6. Install the rail [A] on the right side of the main machine. (M4 x 14)



Note

- The rail must be standing on the floor. If the screw holes on the LCIT are too high or too low, and do not overlap the vertical screw slots in the rail, the rubber feet of the rail must be adjusted.

(Adjustment for the Rubber Foot Positions on the Rail)

- 7.** Set the LCIT [A] on the rail [B], and then slide it towards the main machine.



d1351119

[B]

- 8.** Install the LCIT on the main machine.



d1351120

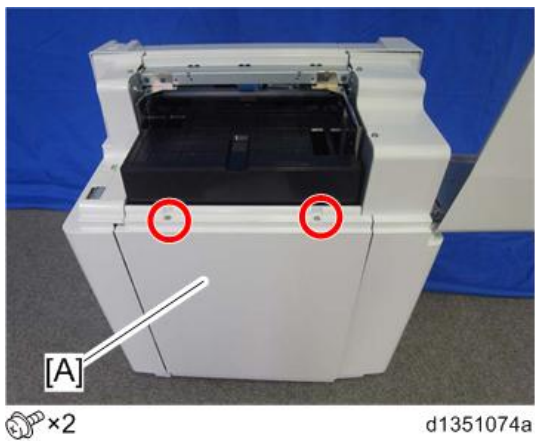
- 9.** Open the top right cover [A].



d1351068

2.Installation

10. Remove the right cover [A].

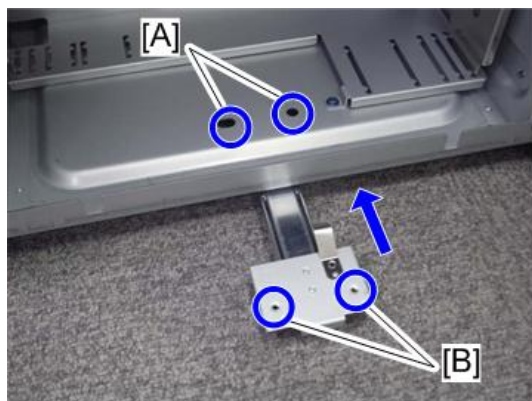


11. Fasten the rail to the LCIT. (shoulder screws)



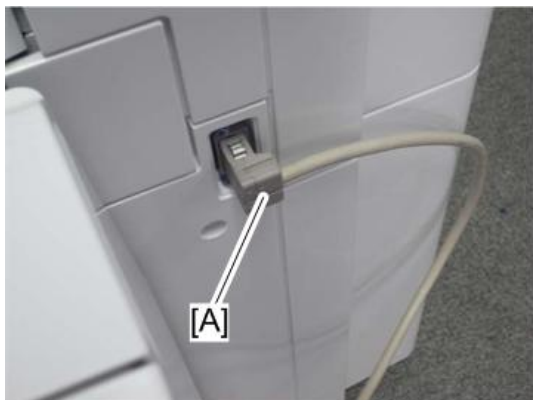
Note

- When you fasten the rail to the LCIT, the screw holes [B] of the rail need to be in the same position as the screw holes [A] of the LCIT.



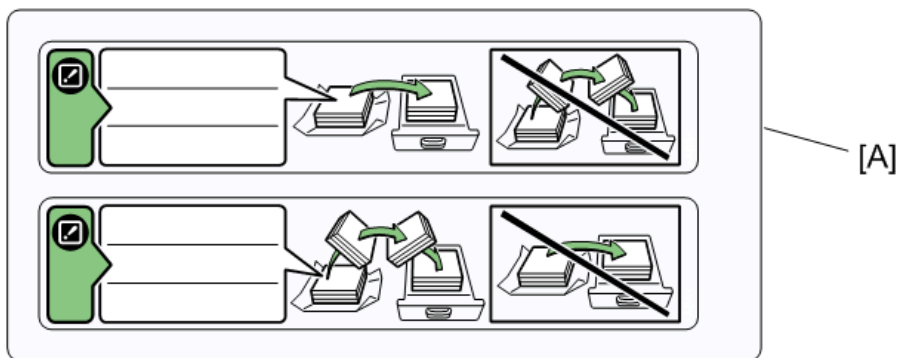
d1351121

- 12.** Reattach the right cover, and then connect the plug [A] of the LCIT power connector to the side of the machine.



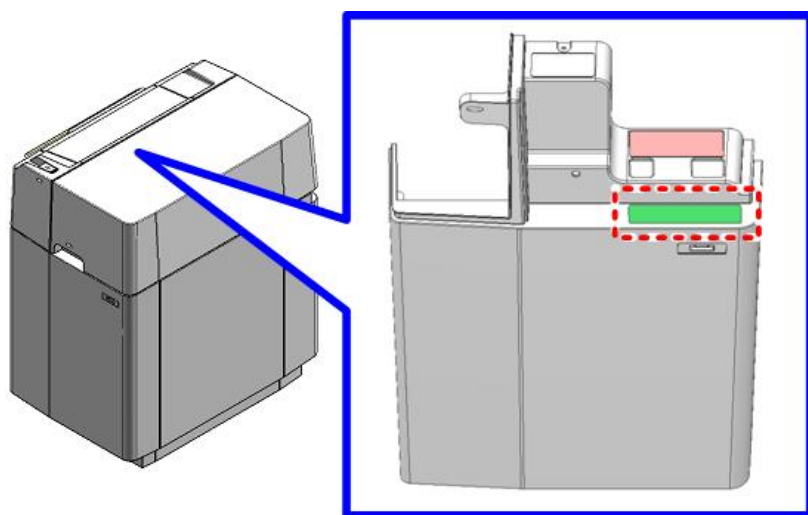
d1351124

- 13.** Prepare the Decal: caution chart: paper set direction [A].



d1354017

- 14.** Open the top right cover and attach the decal as shown below.
Select one of the decals according to the paper that will be used by the customer.



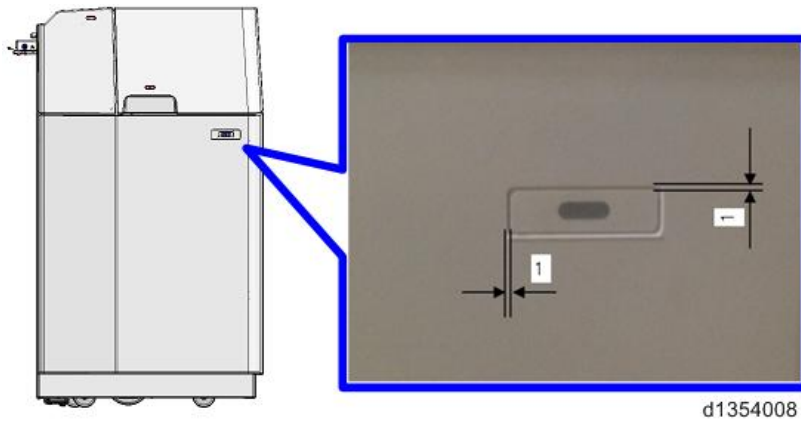
d1354007

Note

- Paper type, brand, etc can be written on the blank space.


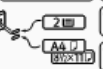
2. Installation

15. Attach a decal to the front.



Pro C5210S/C5200S: Attach the Decal: LED supplied with the LCIT.

MP C8003/C6503: Attach a blank sheet on the paper size decal supplied with the main machine.

1	A4	A5	8¼×13	11×17
2	A4	B4	8½×11	12×18
3	A4	B4	8½×11	SRA3
4	A4	B5	8½×11	13×19
A3	A4	B5	8½×11	
A3	A4	5½×8½	8½×13	
A4	A5	5½×8½	8½×14	
	7¼×10½	8½×14		
	7¼×10½	11×17		

The reference code 'd1354005' is located below the table.

16. Plug in the machine and turn it on.

Note

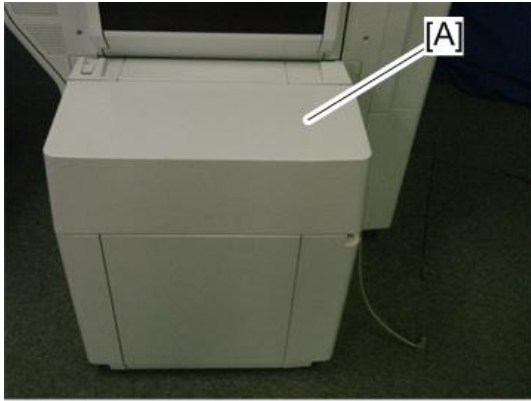
- To move down the paper tray, cover the photo sensor with your left hand and press the bottom plate operation button [A].



Changing the Paper Size

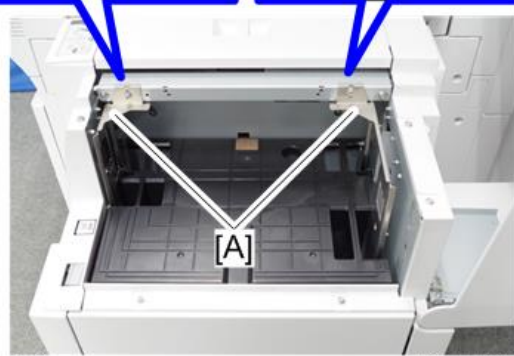
By changing the location of the side fence and the rear edge supporting rod, you can switch the paper size among A4 LEF, B5 LEF, 81/2×11 LEF.

1. Open the top right cover [A].



d1351127

2. Change the location of the side fence [A] corresponding to the paper size.

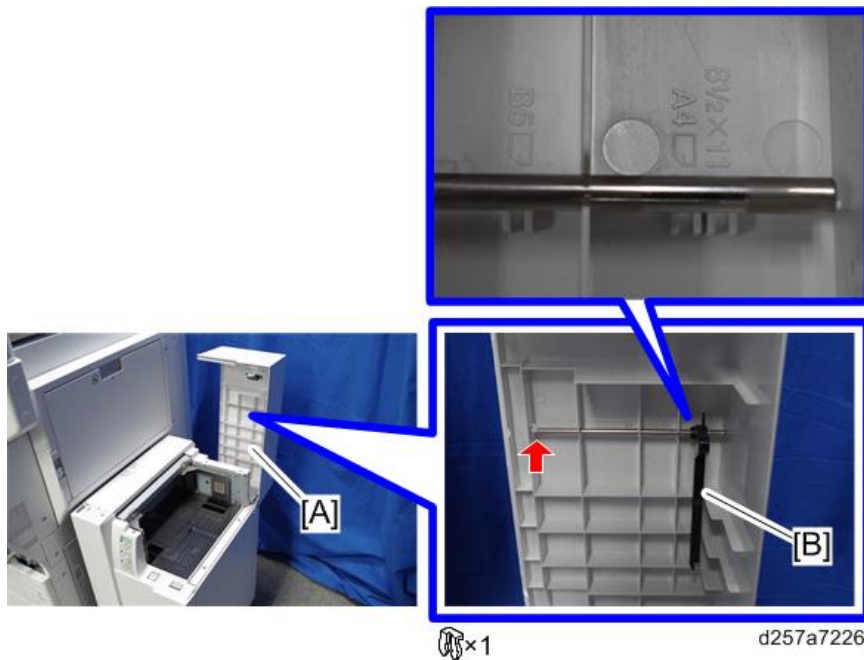


 x2

d257a7225

2. Installation

3. Change the location of the rear edge supporting rib [B], on the back of the the top right cover [A], corresponding to the paper size.

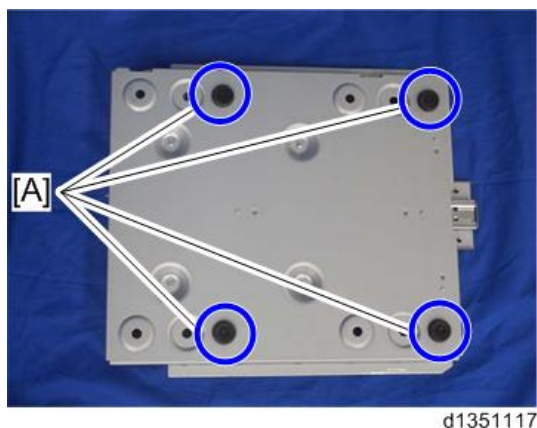


4. Enter the SP mode, and then specify the paper size in SP5-959-003 (A4 LCT: Paper size).

Adjustment for the Rubber Foot Positions on the Rail

The rail must be standing on the floor. If the screw holes on the LCIT are too high or too low, and do not overlap the vertical screw slots in the rail, the rubber feet of the rail must be adjusted. Change the rubber foot positions on the rail before installing the rail.

1. The rubber feet are placed at [A] as shown below.



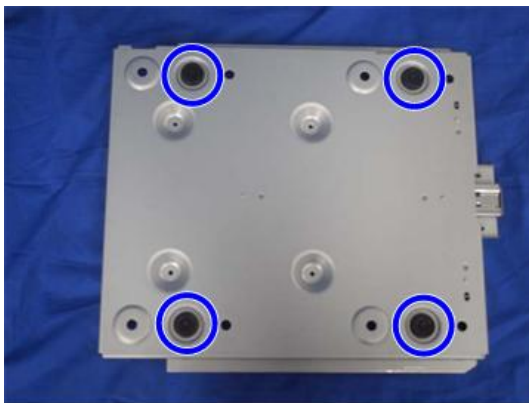
2. The slotted screw holes in the rail for attaching the rail to the LCIT have a tolerance for the height (-/+ 2 mm). If you can move the rail up or down within this -/+ 2 mm tolerance so that it is installed correctly, with the feet on the floor, you do not need to do the following steps.
3. If you cannot install the rail within the -/+ 2 mm height tolerance, change the rubber foot position to adjust the height of the rail.

- If the screw holes of the machine are above the slotted holes of the rail, change the rubber foot position as shown below.



d1351115

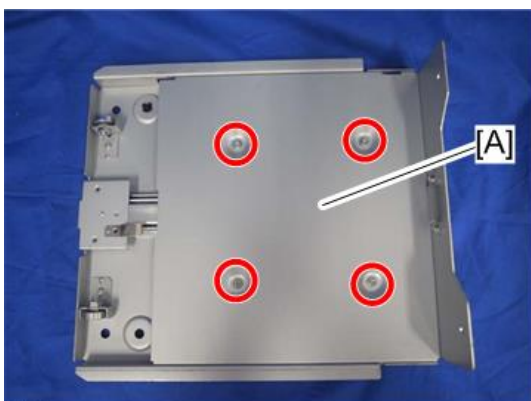
- If the screw holes of the machine are below the slotted holes of the rail, change the rubber foot position as shown below.



d1351118

Note

When changing the rubber foot position, remove the rail bracket [A]. After changing the rubber foot position, reinstall the rail bracket.



 x4

d1351116a

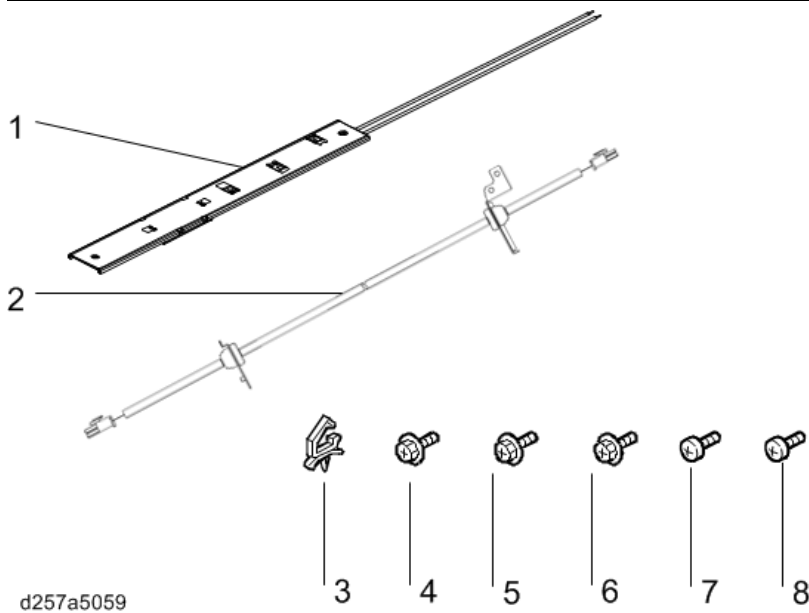
LCIT (D709) Tray Heater

Accessories

Check the accessories against the list below.

2.Installation

No	Description	Q'ty
1	Heater: 15W	1
2	Heater Harness	1
3	Harness clamp	2
4	Tapping Screw:4x6	2
5	Tapping Screw:4x8	2
6	Tapping Screw - M3x6	2
7	Screw: Polished Round/Spring:M4x8	1
8	Screw: Polished Round/Spring:M3x8	1



Installation

★ Important

The following installation procedure may be different according to your LCIT.

- When you find a crank in the location shown in the photo below when you remove the rear cover of the LCIT, follow this installation procedure.

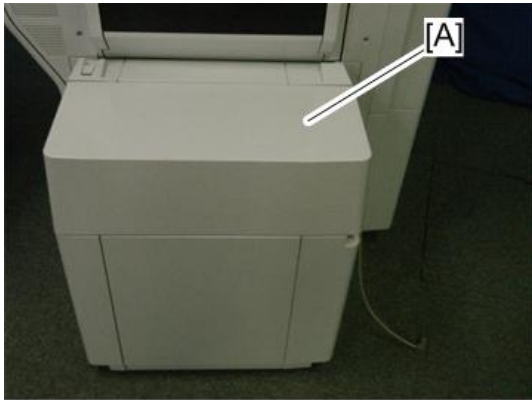
2. Installation

- When you cannot find the crank, refer to the installation procedure of LCIT RT4020 (D709) in the field service manual of Pro C5100S/5110S, MP C6502/C8002.



d257a2146

- 1.** Open the top right cover [A].



d1351127

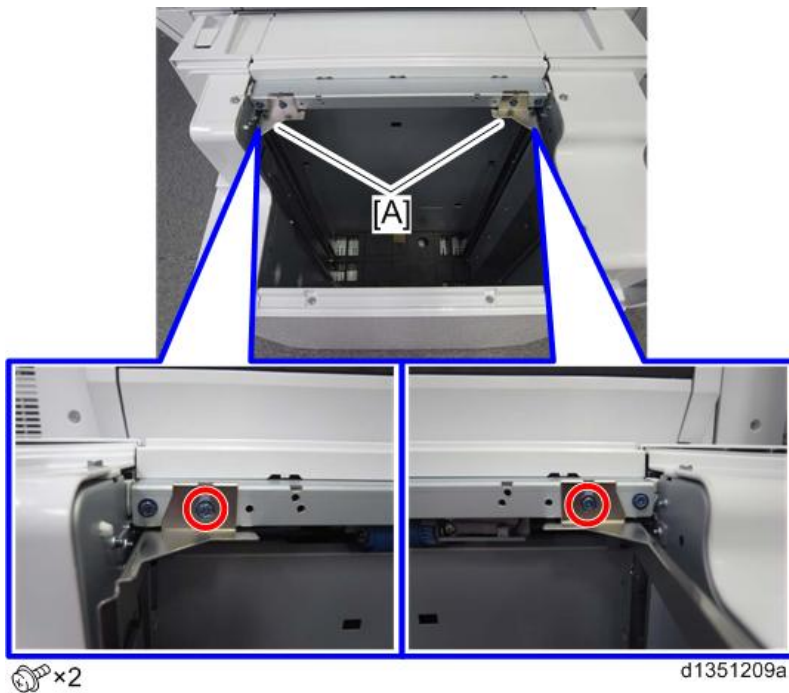
- 2.** To move down the paper tray, cover the photo sensor with your left hand and press the bottom plate operation button [A].



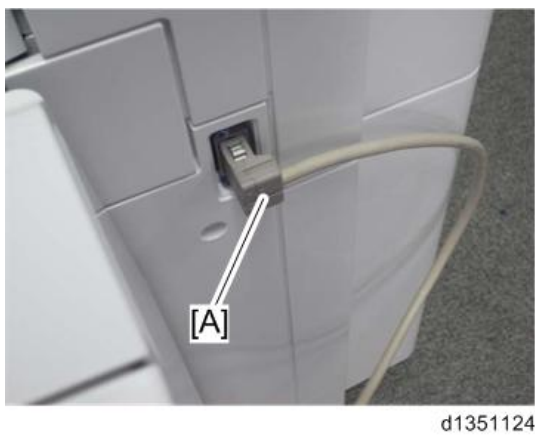
d1351125

2.Installation

3. Remove the side fences [A].



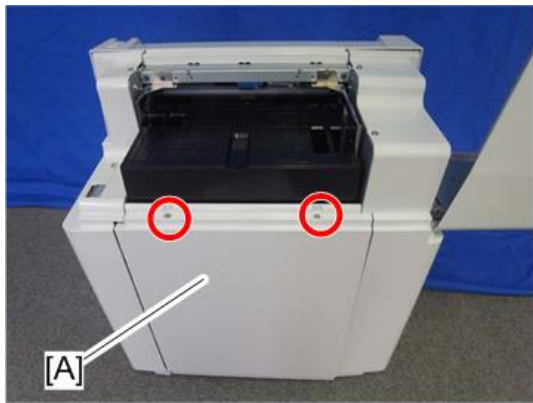
4. Close the top right cover to move the paper tray upward. (The paper tray stops in about 30 seconds.)
5. Turn OFF the main power and unplug the machine.
6. Disconnect the LCIT power connector [A] from the machine.



7. Open the top right cover [A].



- 8.** Remove the right cover [A].



 x2

d1351074a

- 9.** Release the LCIT from the main machine.



 x2

d1351122a

- 10.** Slide the LCIT [A] against the main machine, and then remove it from the rail [B].

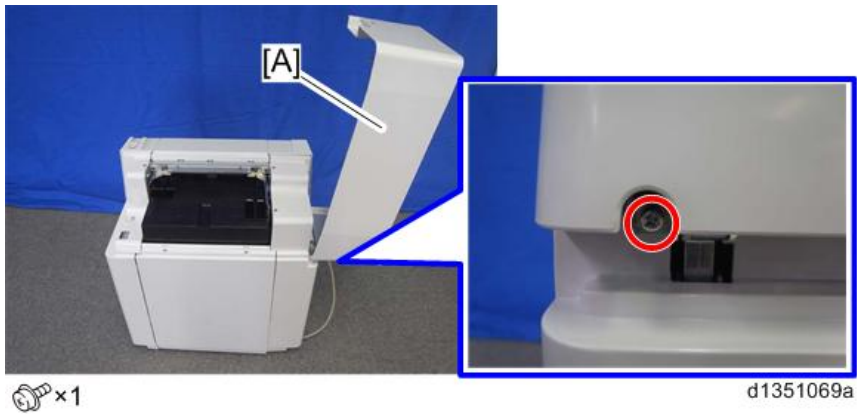


d1351128

[B]

2.Installation

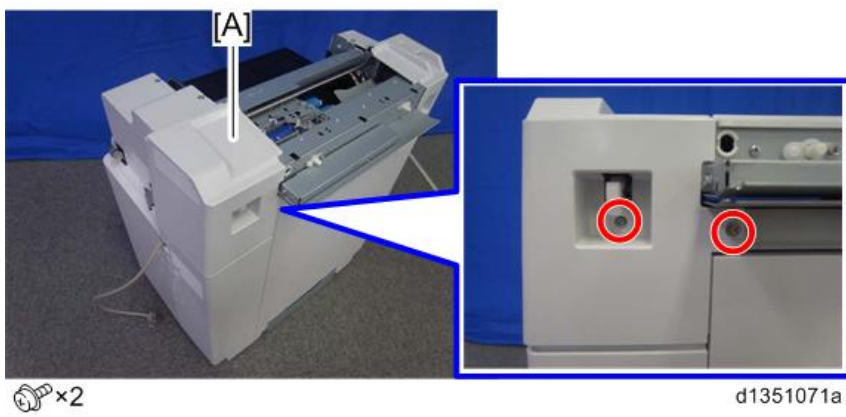
- 11.** Remove the top right cover [A].



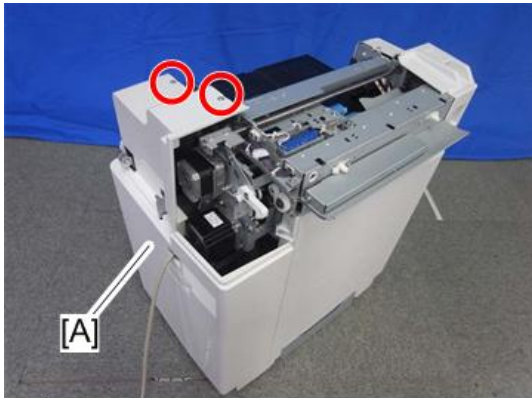
- 12.** Remove the top left cover [A].



- 13.** Remove the rear left cover [A].



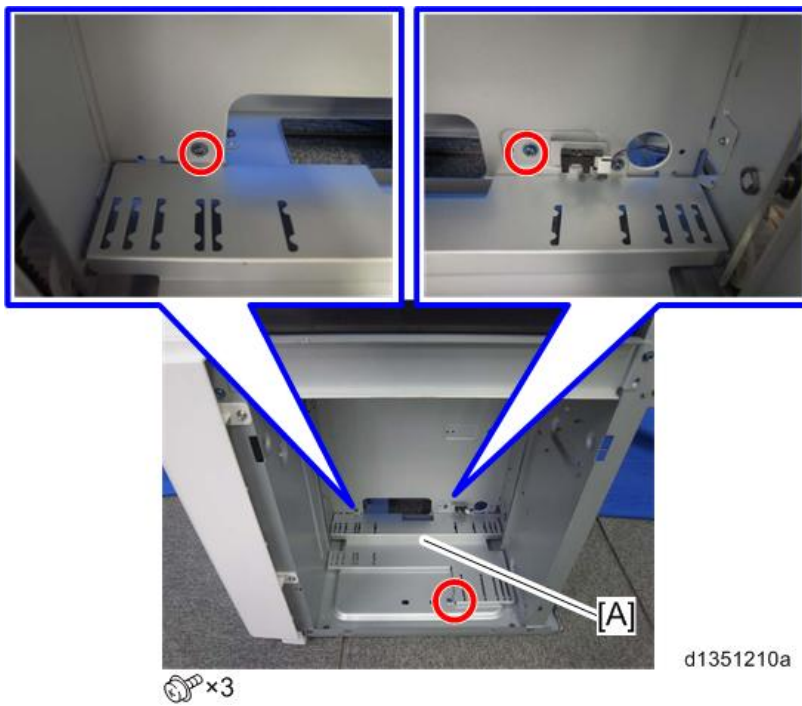
- 14.** Remove the rear cover [A].



×2

d1351073a

- 15.** Remove the bottom bracket [A].



×3

d1351210a

- 16.** Attach the heater [A] to the LCIT. (M4x6)

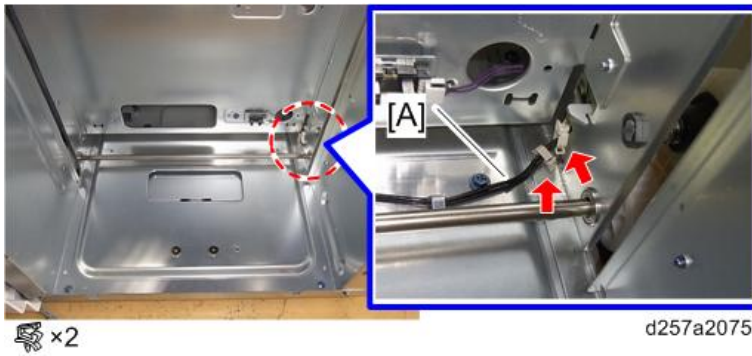


×2

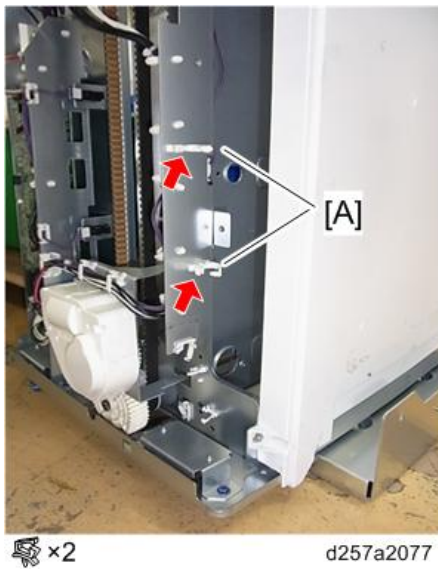
d257a2076

2.Installation

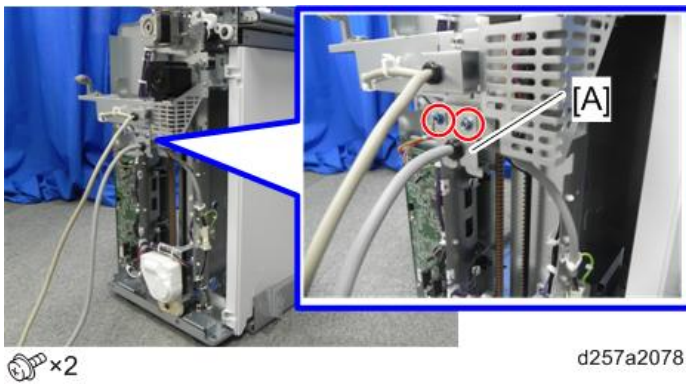
- 17.** Clamp the heater harness [A] and pass it through the hole.



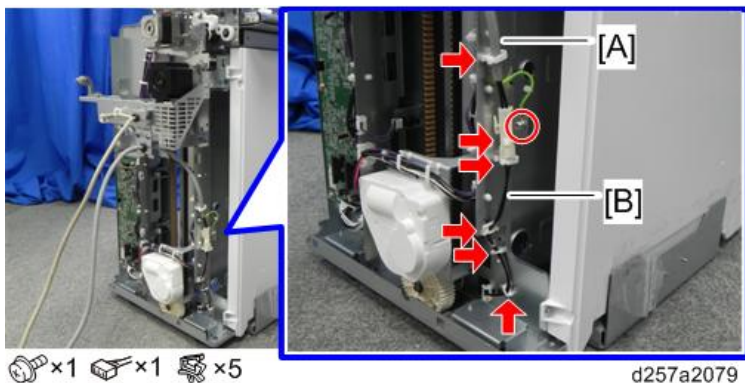
- 18.** Attach the clamps [A] on the left side of the LCIT.



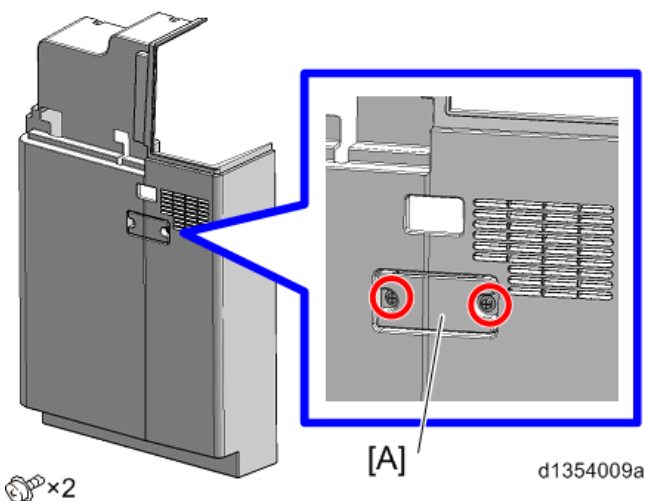
- 19.** Attach the heater bracket [A] to the LCIT. (M4x8)



20. Connect the heater bracket cable [A] and the heater harness [B], and fix the ground cable.



21. Remove the heater harness cover [A] from the rear cover.

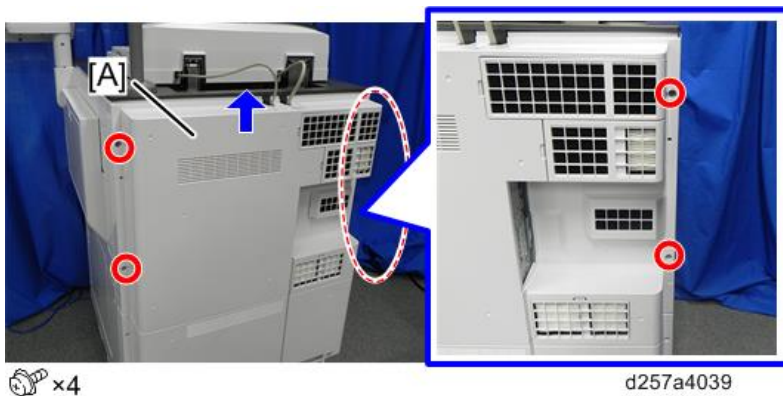


22. Reattach the following covers.

- Rear cover
- Rear left cover
- Top left cover
- Top right cover

When attaching the rear cover, pass the heater harness through the hole where the heater harness cover was.

23. Remove the rear middle cover [A] of the main machine.

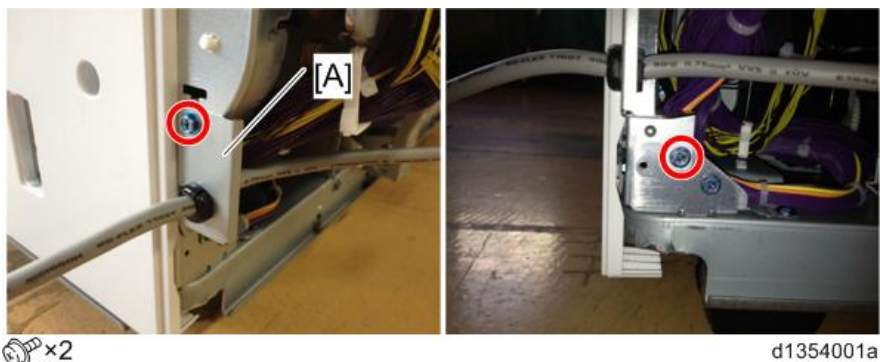


2.Installation

- 24.** Remove the rear lower cover [A] of the main machine.

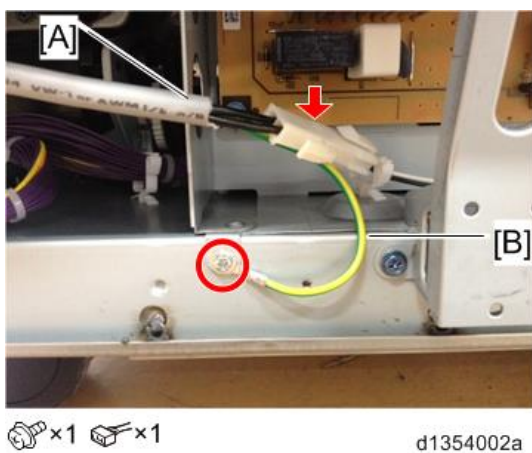


- 25.** Fix the heater bracket [A].



- 26.** Attach the heater harness [A] and grounding wire [B].

To attach the grounding wire, remove the screw and replace it with the polished round screw M3.



- 27.** Attach the rear lower cover of the main machine.

- 28.** Set the LCIT [A] on the rail [B], and then slide it towards the main machine.



d1351119

[B]

- 29.** Install the LCIT on the main machine.



d1351120

- 30.** Open the top right cover, and then fasten the rail to the LCIT. (shoulder screws)



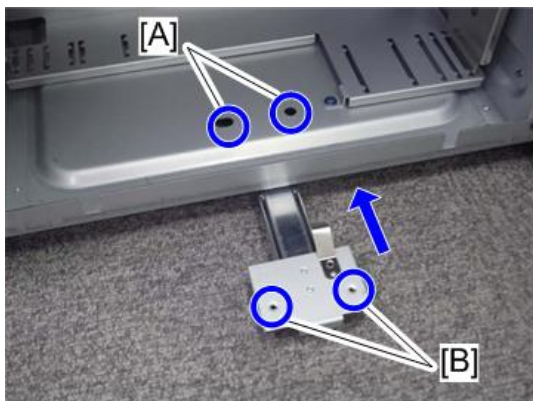
 x2

d1351122a

Note

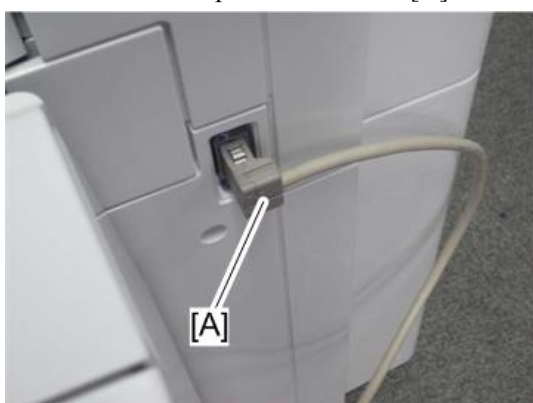
When you fasten the rail to the LCIT, the screw holes [B] of the rail must be in the same position as the screw holes [A] of the LCIT.

2. Installation



d1351121

- 31.** Reattach the right cover.
- 32.** Connect the LCIT power connector [A] to the main machine.



d1351124

- 33.** Turn ON the main power.
- 34.** To move down the paper tray, cover the photo sensor with your left hand and press the bottom plate operation button [A].



d1351125

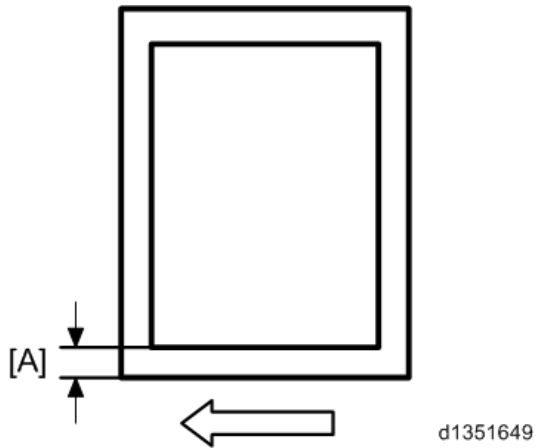
- 35.** Reattach the side fence.
- 36.** Close the top right cover.

Image Adjustments: Side-to-side registration

- 1.** Use the Trimming Area Pattern (SP2-109-003, No. 14) to print the test pattern.
- 2.** Go to SP1-003-007 (Side-to-Side Reg: LCIT).
- 3.** Load paper (A4 LEF) in the LCIT tray, and then copy a couple of sheets.

- 4.** Enter the value in SP1-003-007 to adjust the blank margin [A] to 2 mm.

The default value of the SP is 0 mm. Press [+] to increase the margin, and press [-] to reduce it. You can adjust the value in 0.1 mm intervals.



- 5.** Exit the SP mode.

2.Installation

LCIT RT4050 (D710)

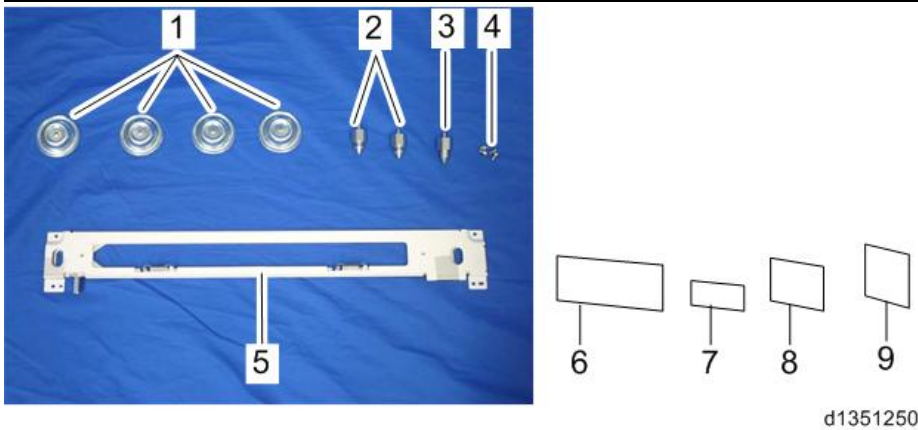
Note

- You cannot install LCIT RT4020 and LCIT RT4050 simultaneously.

Accessory Check

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	Shoes	4
2	Upper Positioning Pins	2
3	Lower Positioning Pin	1
4	Tapping screws – M4 x 8	4
5	Stay	1
6	Decal: caution chart: paper set direction	1
7	Decal: LED	1
8	Decal: transport: cover	
9	Decal: misfeed removal: manual feed: 250	
-	Tapping screws – M3 x 6	2
-	Screw: Polished Round/Spring:M3x8	1



Installation Procedure

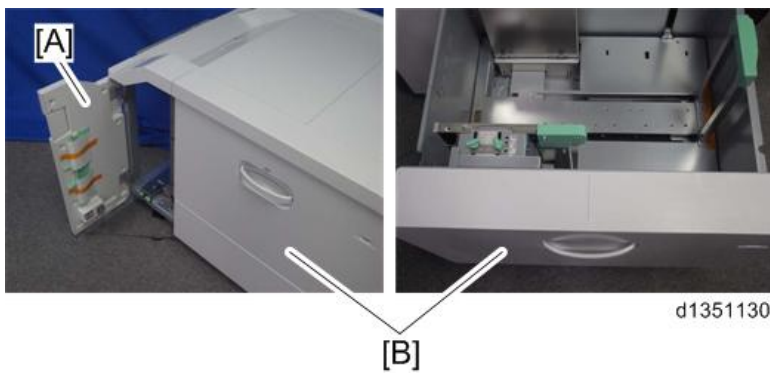
CAUTION

Turn OFF the machine and disconnect the machine power cord before you do this procedure.

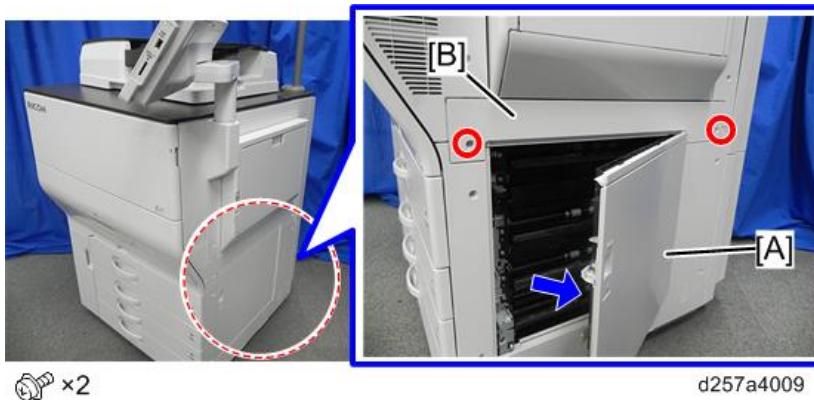
1. Remove all tape and retainers from the LCIT.



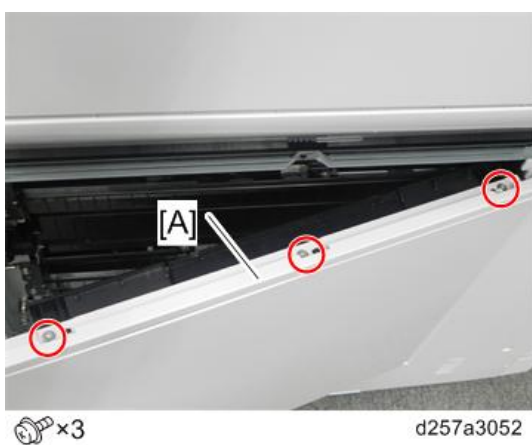
2. Open the front door [A] and paper tray unit [B], and remove all tape and retainers from the LCIT.



3. Open the vertical transport door [A] and remove the LCIT cover [B].



4. Remove the cover [A].

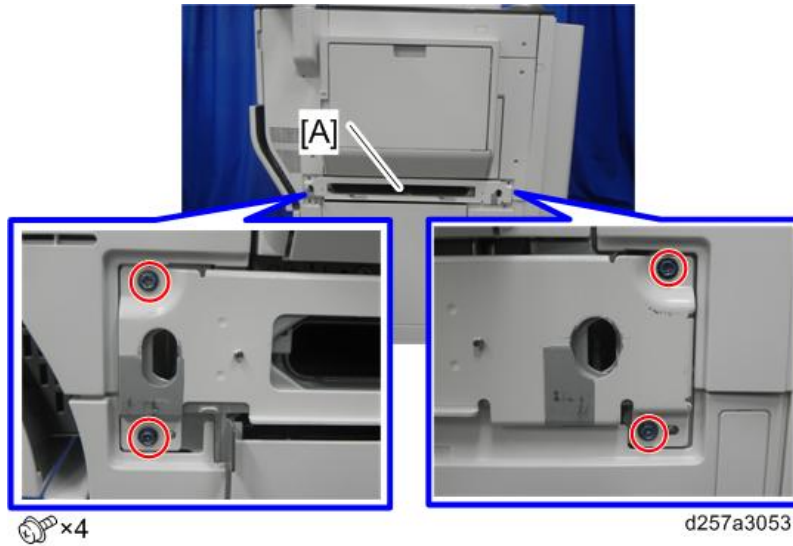


2. Installation

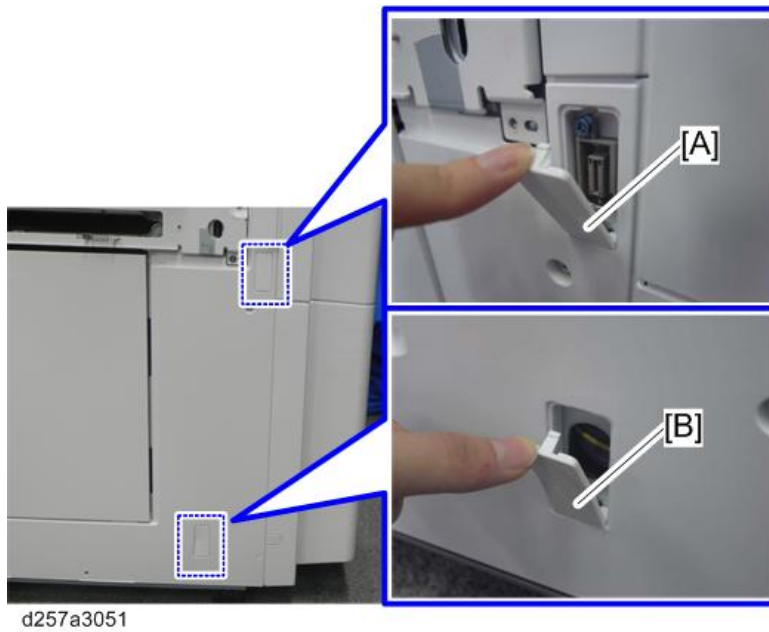
5. Install the stay [A] on the main machine. (M4 x 8)

Note

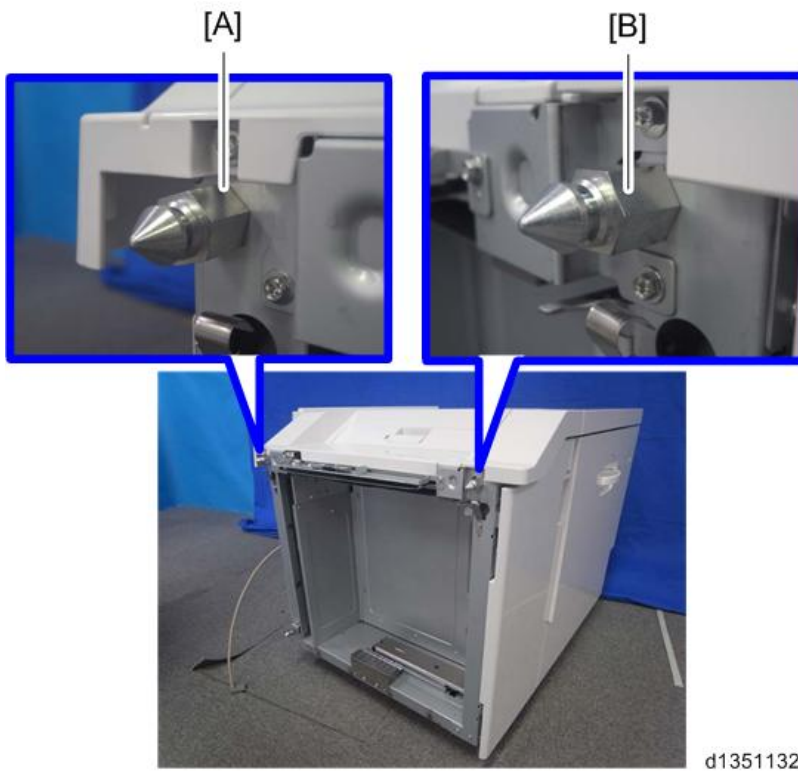
- Set the embossed side of the stay [A] against the main machine.



6. Remove the connector cover [A] and LCIT connecting cover [B].



7. Install the upper positioning pins [A] and [B].



d1351132

8. Install the lower positioning pin [A].



d1351133

9. Remove the grounding plate [A].



🔧 ×2

d1351135a

2.Installation

10. Change the orientation of the grounding plate, and then install it as shown below.



⚙️ ×2

d1351136a

11. Open the front cover [A].

12. Remove the screw [B] and release the lock plate [C]. (M4 x 8)



⚙️ ×1

d1351137a

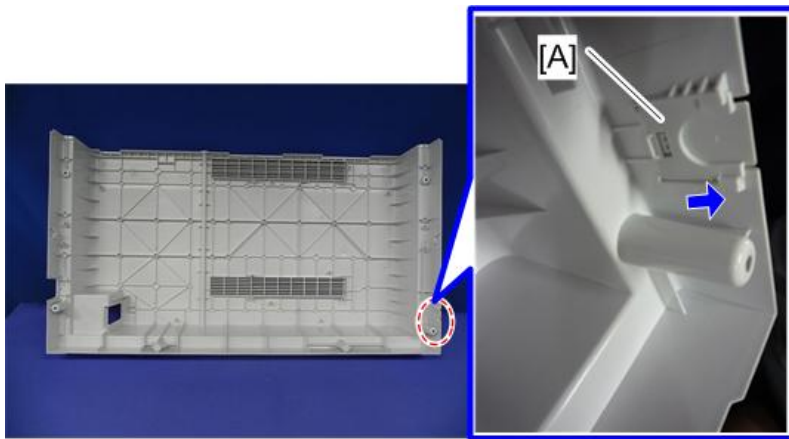
13. Remove the rear lower cover [A].



⚙️ ×4

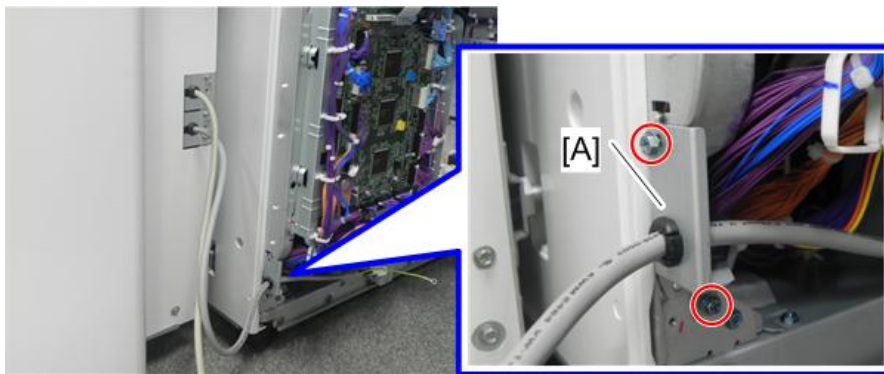
d257a4041

- 14.** Remove the cut-out part [A].



d257a2135

- 15.** Fix the heater bracket [A].

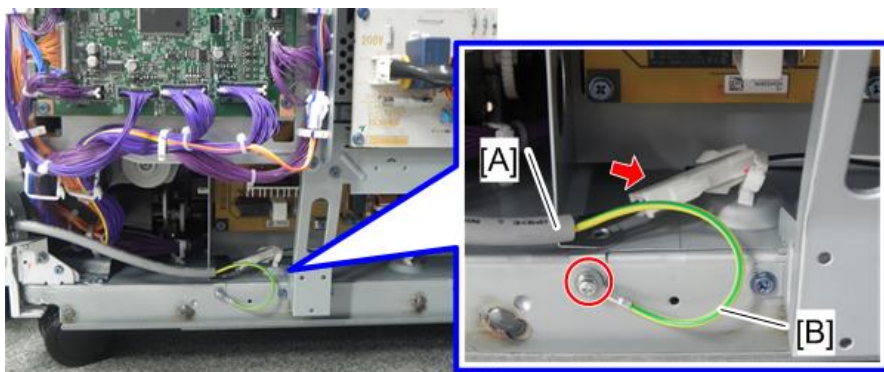


⚙️ ×2

d257a3054

- 16.** Connect the connection cable [A] and fix the grounding wire [B].

To fix the grounding wire, remove the screw and replace it with the polished round screw M3.



⚙️ ×1 📦 ×1

d257a3055

- 17.** Reattach the rear lower cover to the main machine.

2.Installation

- 18.** Install the LCIT [B] on the main machine [A].



d1351138

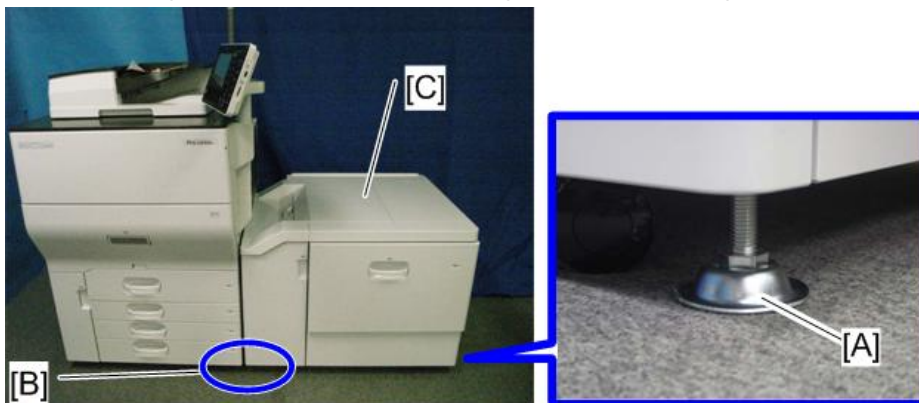
- 19.** Reattach the left corner plate [A]. (M4 x 8)



 x1

d1351139a

- 20.** Set the leveling shoes [A] (front left, front right, rear left, rear right side of the LCIT).

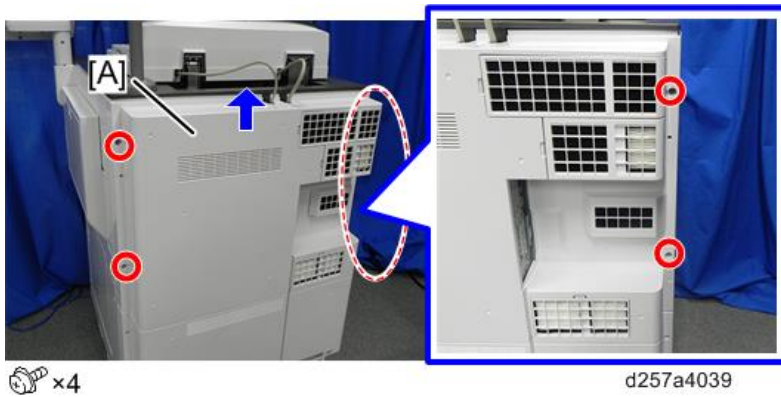


d1351140

Note

- Align the bottom of the machine paper tray and the bottom of the LCIT front cover [B].
- Adjust the level of the LCIT top surface [C] until it is within $\pm 2.5/1000$ mm.

21. Remove the rear middle cover [A] by moving it upward.



22. Connect the LCIT interface cable [A] to the LCIT connector of the main machine.



23. Open the bypass tray unit [A].



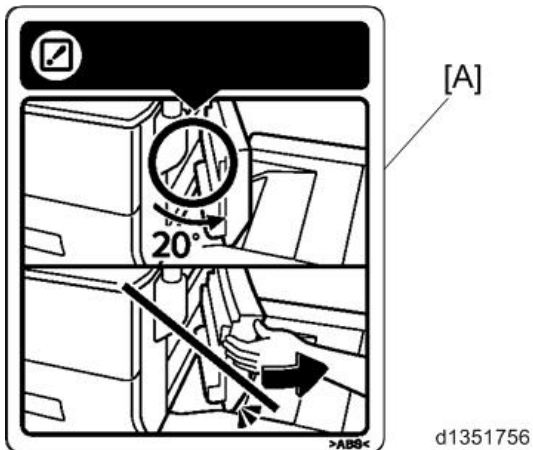
Note

- Push down the lever [A] when opening the bypass unit.

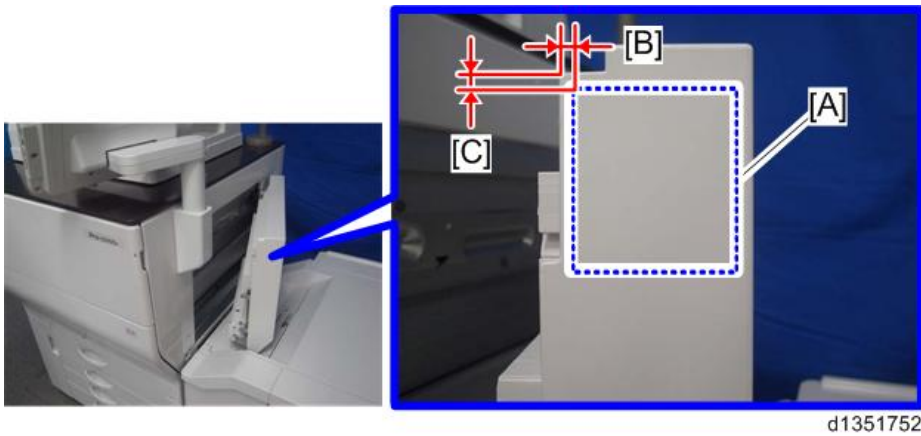


2.Installation

- 24.** Prepare the caution decal [A] provided with the LCIT. (Accessories No.9, Decal: misfeed removal: manual feed: 250)

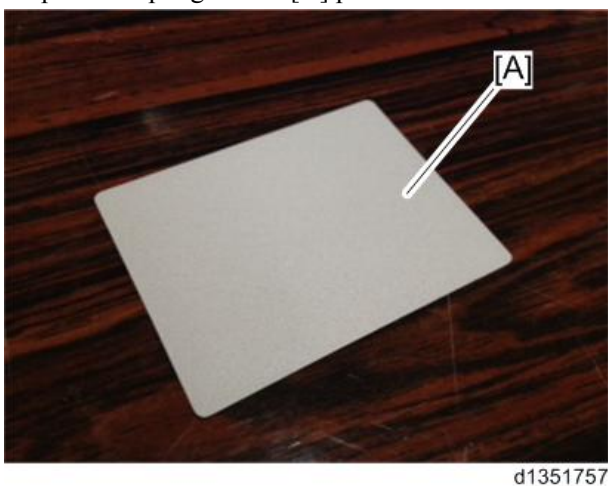


- 25.** Attach the caution decal to [A] on the bypass tray unit.



- [B]: 2mm
- [C]: 2mm

- 26.** Prepare the sponge decal [A] provided with the LCIT. (Accessories No.8, Decal: transport: cover)



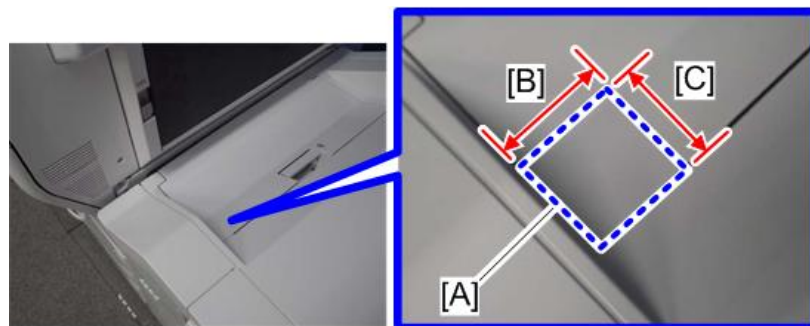
27. Attach the sponge decal to [A] on the exit cover.



d1351753

Note

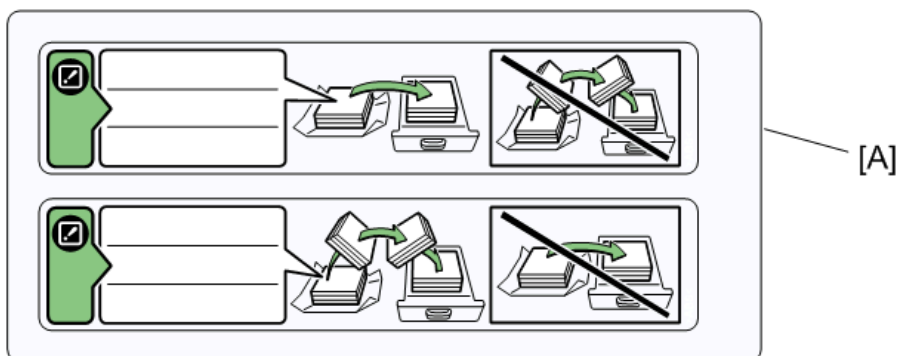
- Attach the sponge decal [A] on the corner of the exit cover.



d1351754

- [B]: 50 mm
- [C]: 65 mm

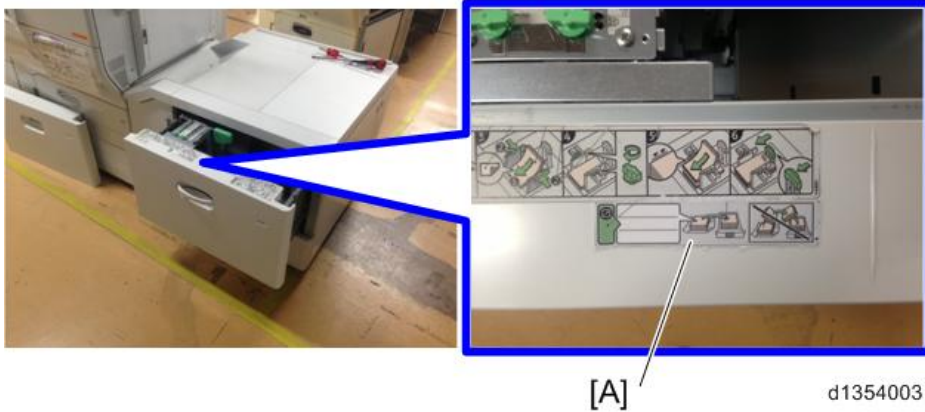
28. Prepare the Decal: caution chart: paper set direction [A].



d1354017

29. Draw out the paper tray and attach the decal [A] on the top of the front door.
Select one of the decals according to the paper that will be used by the customer.

2. Installation



Note

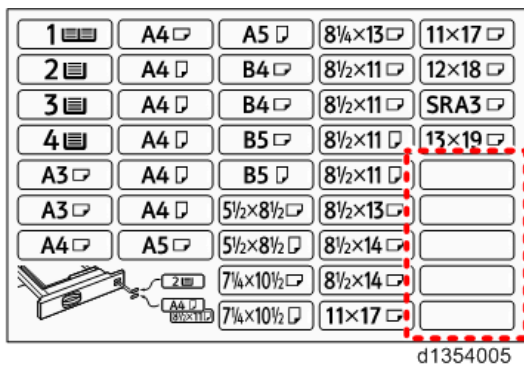
- Paper type, brand, etc. can be written on the blank space.

30. Attach a decal to the front door.



Pro C5210S/C5200S: Attach the Decal: LED supplied with the LCIT.

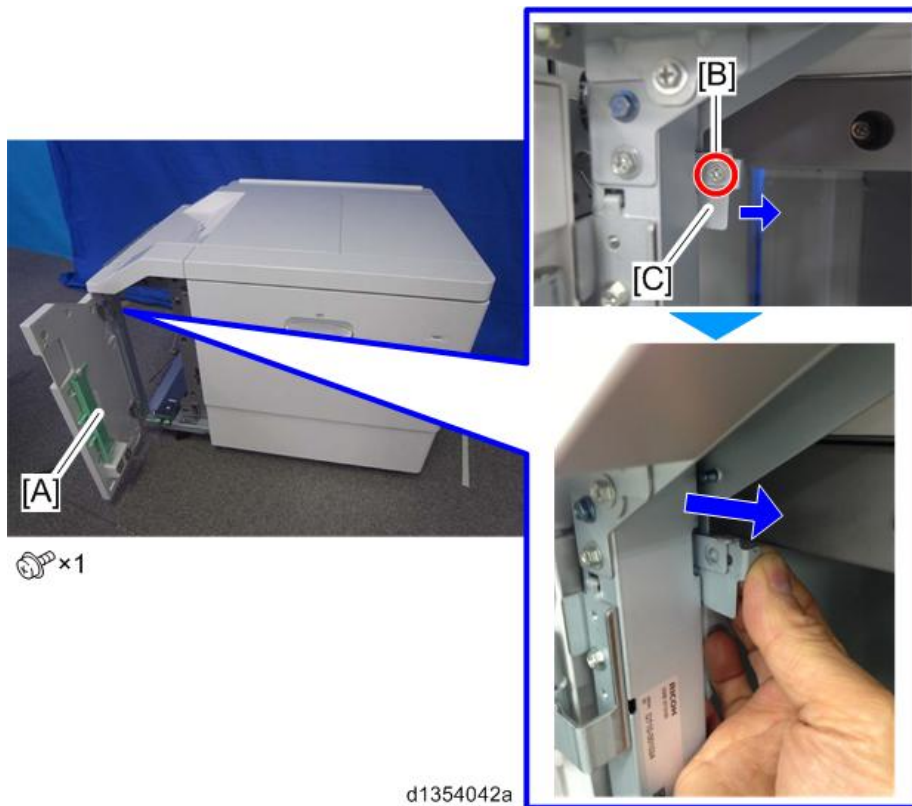
MP C8003/C6503: Attach a blank sheet on the paper size decal supplied with the main machine.



31. Plug in the machine and turn it ON.

How to disconnect the LCIT from the main machine

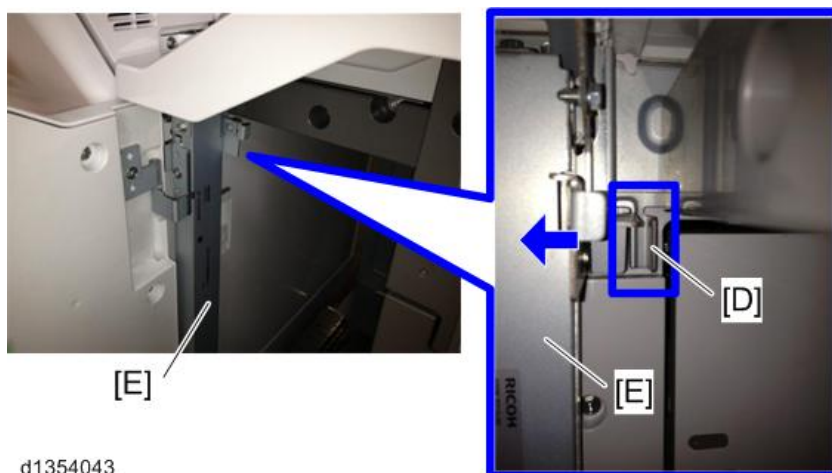
1. Open the front cover [A]. Remove the screw [B] and pull the lock plate [C] in the direction indicated with the arrow.



2. Disconnect the LCIT from the main machine while pressing the lock plate [D] in the direction indicated with the arrow.

Note

- Lock plate [D] is located at the rear side of the LCIT frame [E].



2. Installation

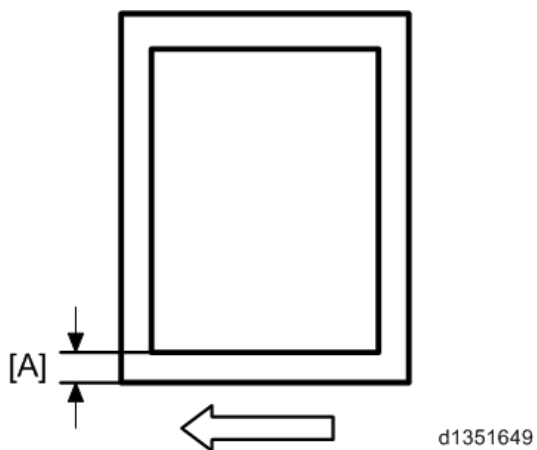


d1354044

Image Adjustments: Side-to-side registration

1. Use the Trimming Area Pattern (SP2-109-003, No. 14) to print the test pattern.
2. Go to SP1-003-007 (Side-to-Side Reg: LCIT).
3. Load paper (A4 LEF) in the LCIT tray, and then copy a couple of sheets.
4. Enter the value in SP1-003-007 to adjust the blank margin [A] to 2 mm.

The default value of the SP is 0 mm. Press [+] to increase the margin, and press [-] to reduce it. You can adjust the value in 0.1 mm intervals.



d1351649

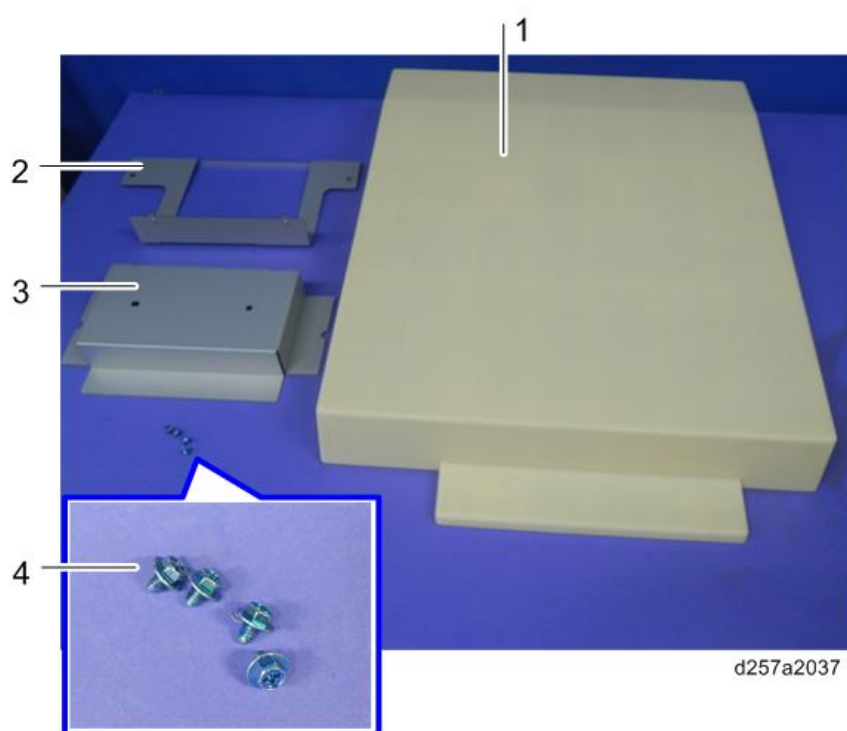
5. Exit the SP mode.

Banner Sheet Guide Tray for A3/11"x17" LCIT Type S6 (Pro C5200S/C5210S Only)

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Base Plate	1
2	Inner Bracket	1
3	Outer Bracket	1
4	Tapping Screw M4 X 6	4



Installation Procedure

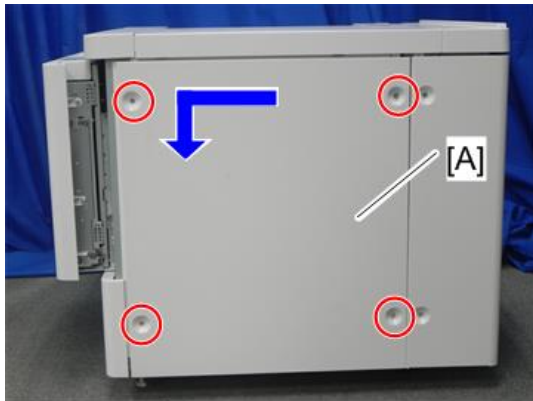
⚠ CAUTION

Always switch the machine off and unplug the machine before doing the following procedure.

- 1.** Open the front door of LCIT RT4050.

2. Installation

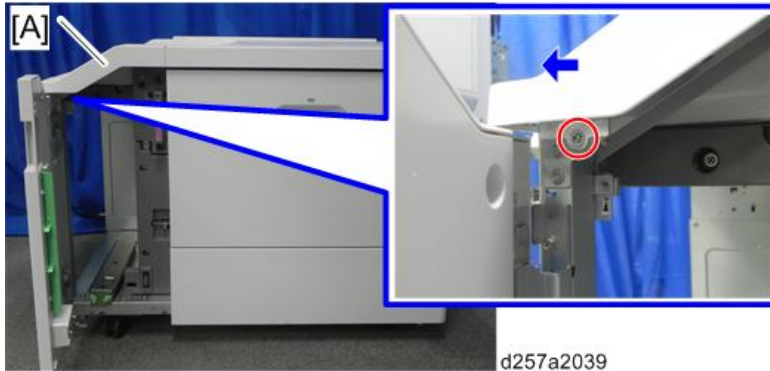
- Slide the right cover [A] to the left, and then slide it down to remove it.



 ×4

d257a2038

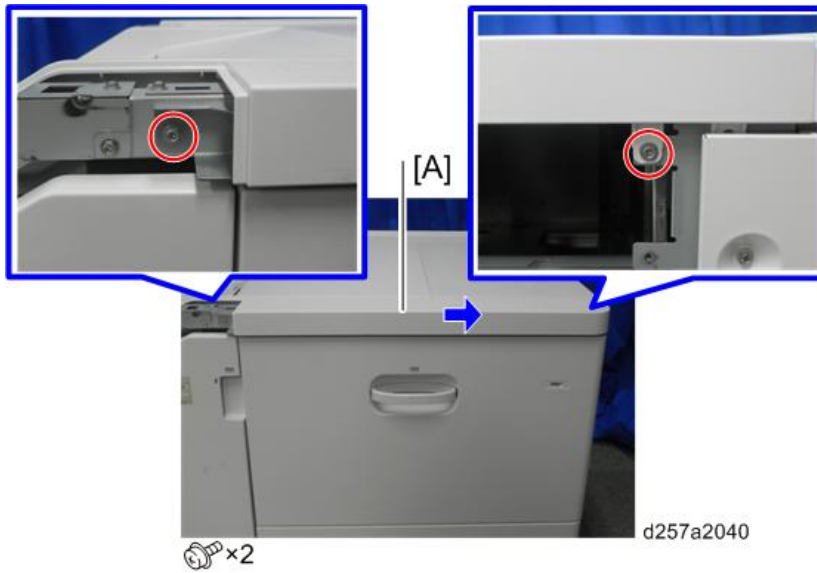
- Remove the front left cover [A].



 ×1

d257a2039

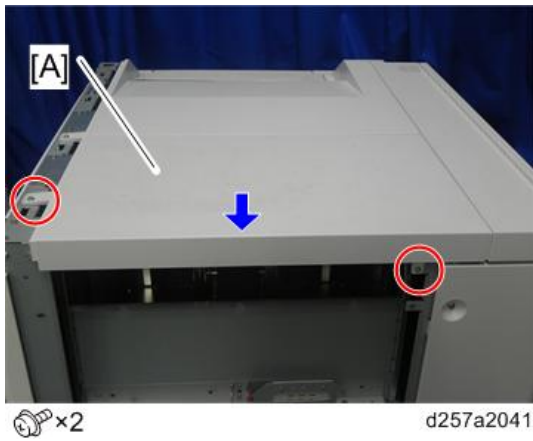
- Remove the top front cover [A].



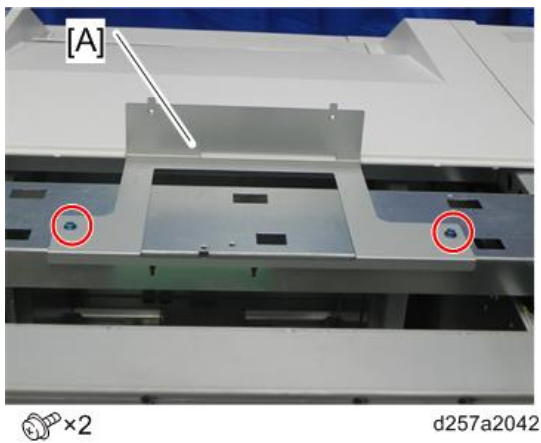
 ×2

d257a2040

- 5.** Remove the top right cover [A].

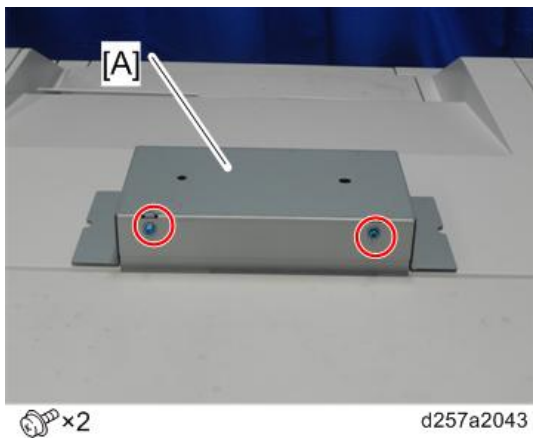


- 6.** Attach the inner bracket [A].



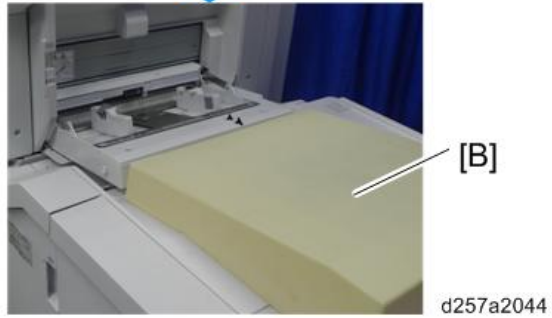
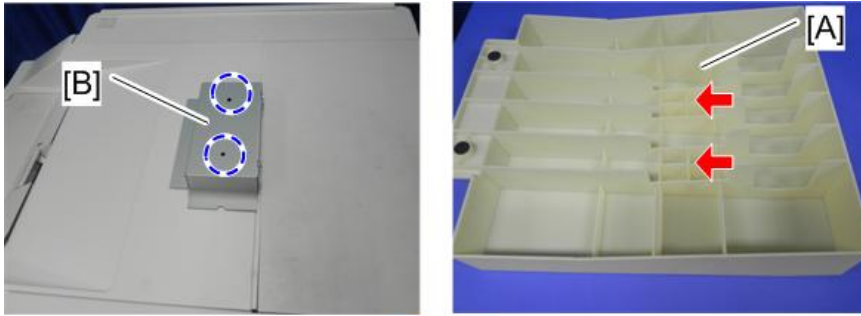
- 7.** Attach the covers in the following order: Top right cover, top front cover, front left cover, right cover.

- 8.** Attach the outer bracket [A].



2.Installation

9. Insert the bosses of the base plate [A] into the holes in the outer bracket [B].

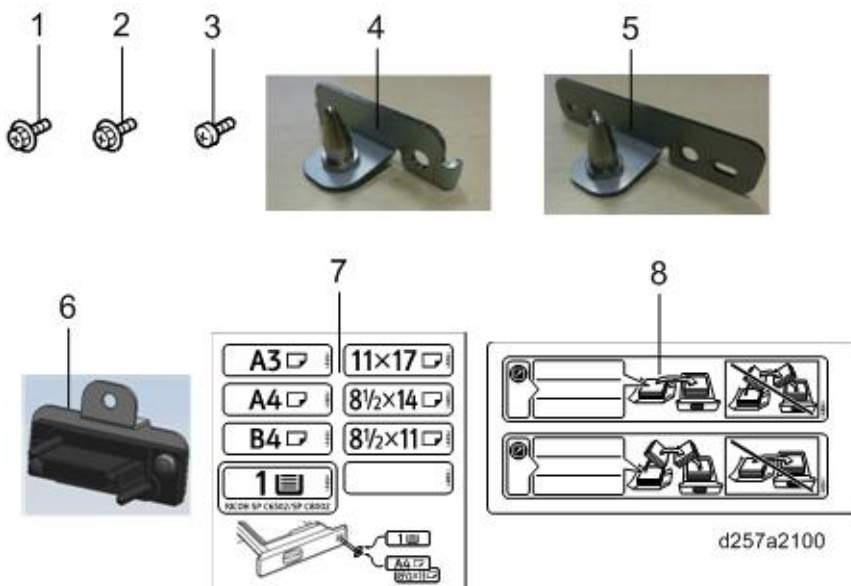


A3/11"x17" Tray Unit Type M2 (D749)

Component List

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Screw – M3 x 4	4
2.	Tapping screws –M3 x 6	3
3.	Screw – M3 x 6	1
4.	Pin Bracket (for MP C6502/MP C8002/Pro C5100S/Pro C5110S)	1
5.	Pin Bracket (for MP C6503/MP C8003/Pro C5200S/Pro C5210S)	1
6.	Harness	1
7.	Paper Size Decal	1
8.	Paper Set Direction Decal	1
-	Manual: Installation Procedure: Pin Bracket	1



Installation

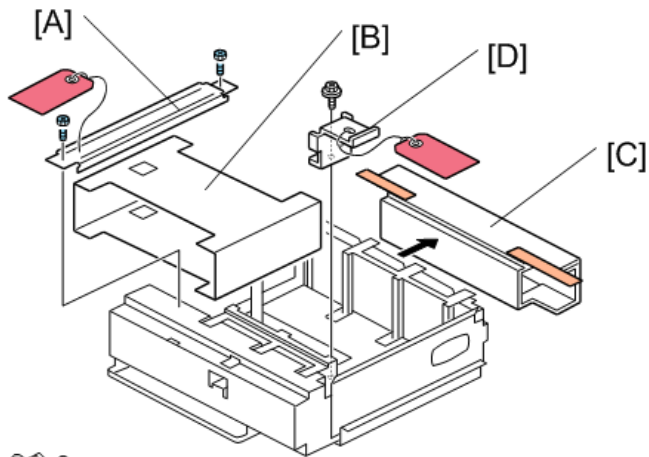
⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

1. Remove the stay [A].

2. Installation

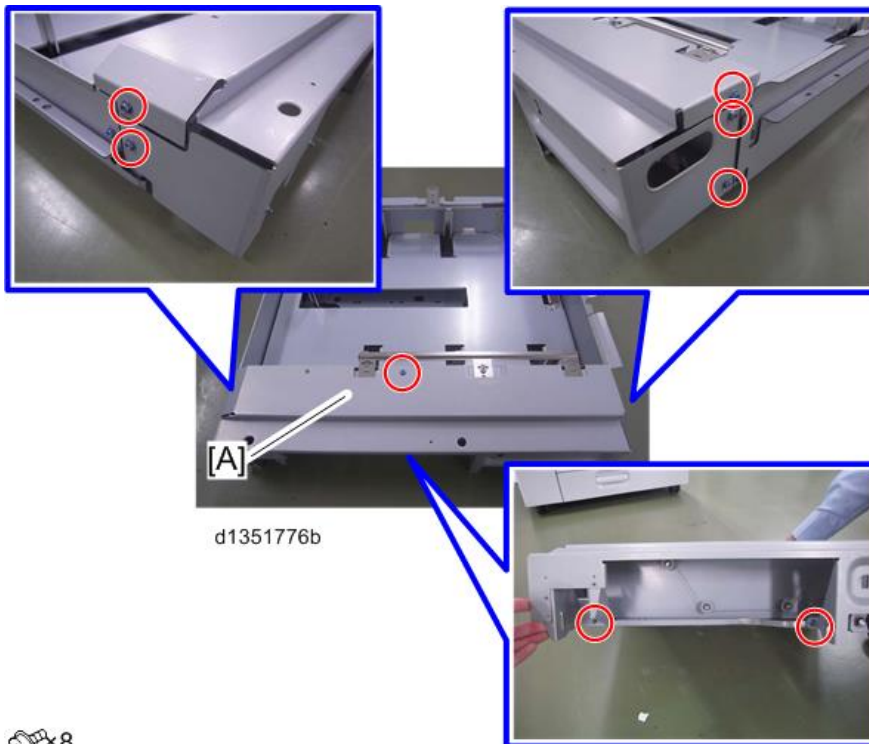
2. Remove the retainers [B] [C] and the shipping material [D].



 x3

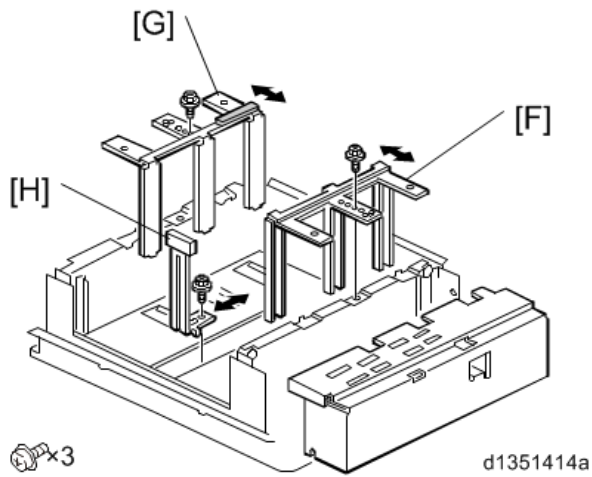
d1351413a

3. Check the position of the front and back side fences and make sure that they are set for DLT or A3.
4. If you need to adjust the positions of the side fences for the paper to be loaded in the tray, remove the front panel [A].



 x8

5. Remove the fences and adjust their positions for the paper to be loaded:
[F] Side fence
[G] Back fence
[H] End fence



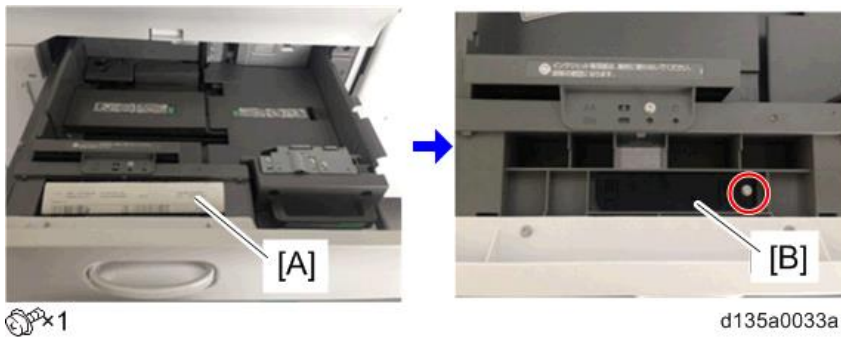
6. Reattach the front panel.
7. Open the front doors.
8. Pull out the tandem feed tray [A] and remove the paper cassette decal [B].



9. Remove the factory SP sheet [A] and SD card holder [B].

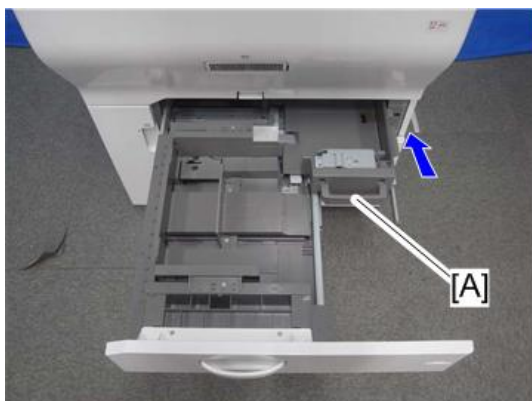
★ Important

- These parts will be installed in the A3/11"x17" Tray Unit later.



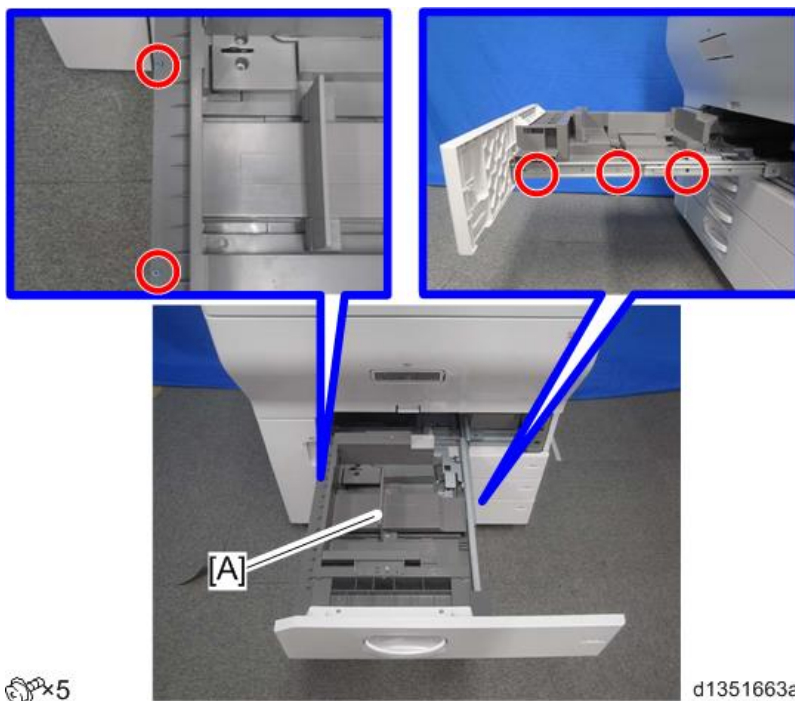
2. Installation

- 10.** Push the right tandem tray [A] into the machine.

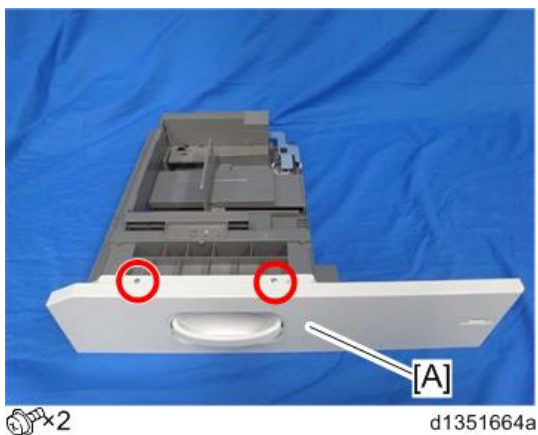


d1351662

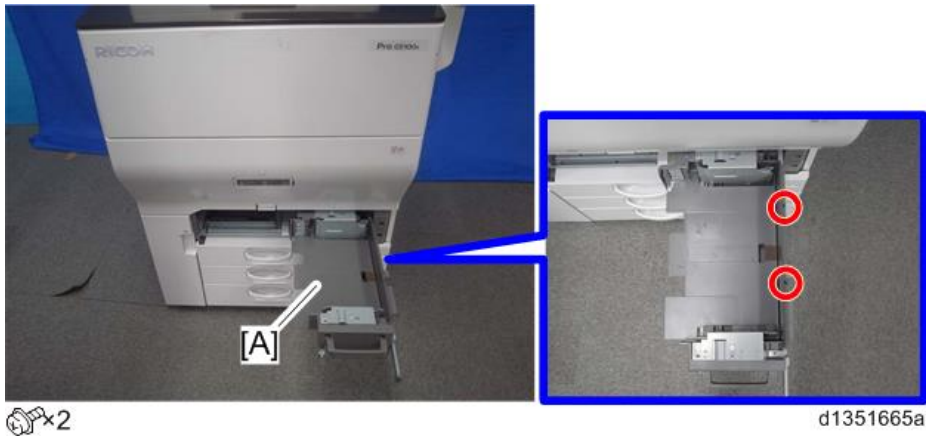
- 11.** Remove the left tandem tray [A] (left rail: M3 x 8, right rail: M3 x 10).



- 12.** From the left tandem tray, remove the front cover [A].



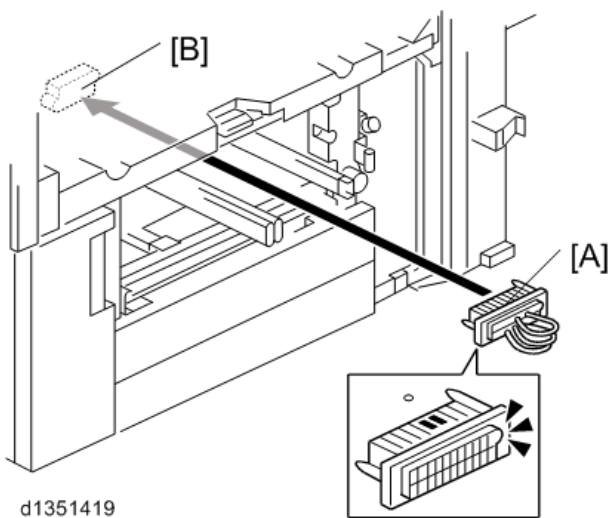
- 13.** Pull out the right tandem tray [A] then remove it.



14. Insert the short connector [A] into the socket inside the machine [B].

Note

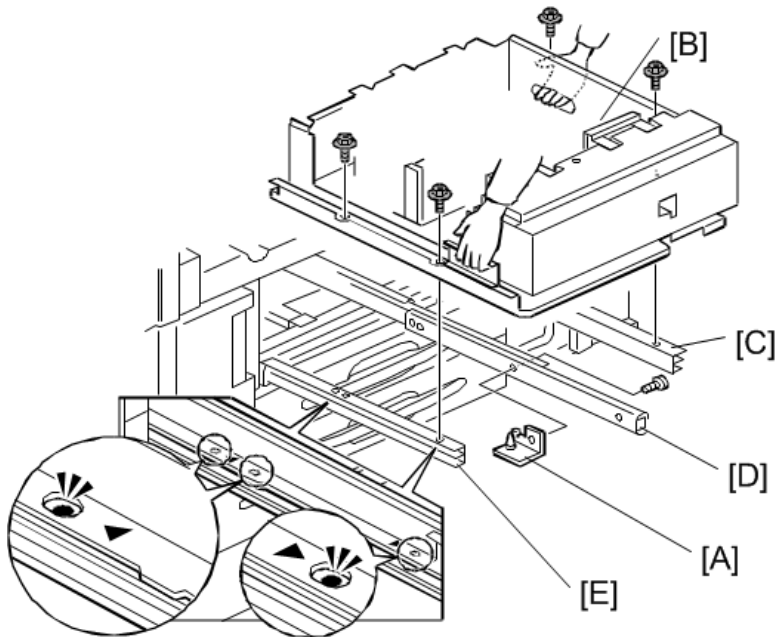
- Hold the connector as shown in the illustration.



15. Using the screw provided in the accessories, attach the pin bracket [A] to the center rail.

2. Installation

- 16.** Using the screws provided in the accessories for the right rail and left rail, install the tray [B] on the right rail [C], center rail [D], and left rail [E].

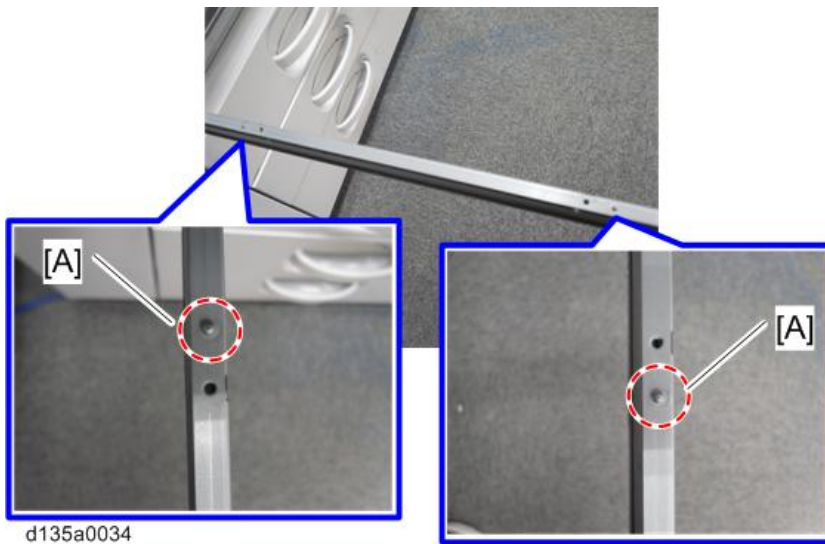


 x5

d135a3120a

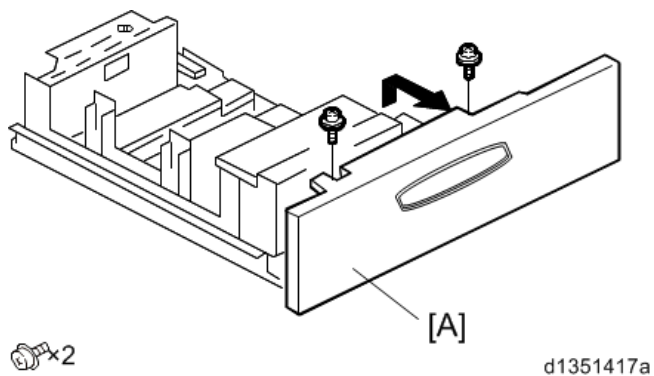
★ Important

- Make sure that the pin on the pin bracket passes through the hole in the tray bottom plate.
- Make sure that bosses [A] (two each on the left and right rails) pass through the holes in the tray. If you close the tray without doing this, it will be impossible to open the tray.



- 17.** Return the factory SP sheet and SD card holder that you removed in Step 9.

- 18.** Re-install the front cover [A].



- 19.** Turn ON the machine.
- 20.** Use **SP5959-2** to select the paper size for Tray 1 (A3 or DLT).
- 21.** After selecting the paper size, switch the machine off and on and check that the selected paper size is displayed on the operation panel.

2. Installation

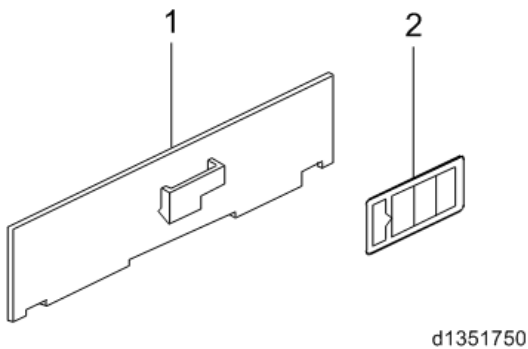
Tab Sheet Holder Type M2 (D750)

The tab sheet holder can be installed in trays 2 and 3, and allows the user to load tab stock.

Accessories

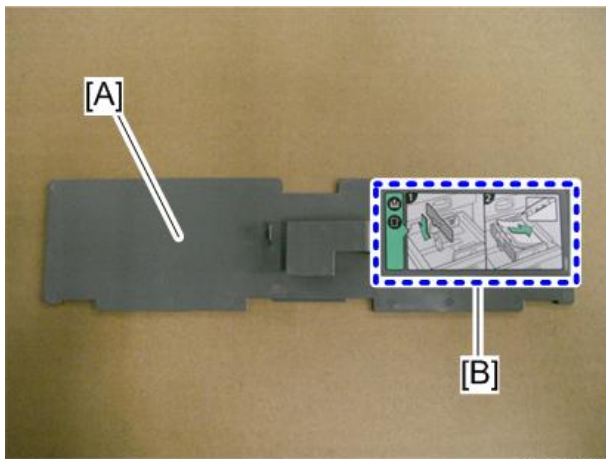
Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	Tab Sheet Holder	1
2	Decal	1

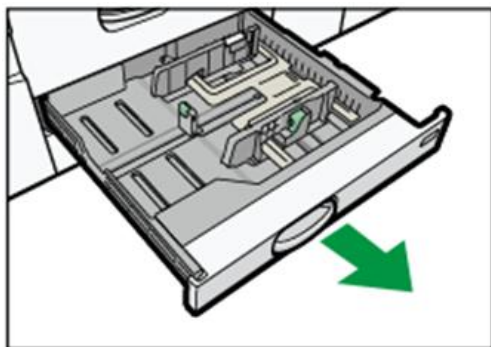


Installation

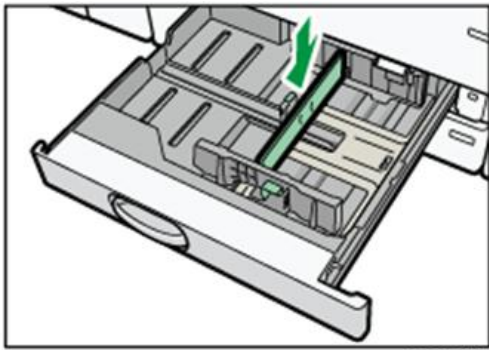
1. Attach the decal [B] to the tab sheet holder [A].



2. Check that the paper tray is not being used, and then pull the tray carefully out until it stops.



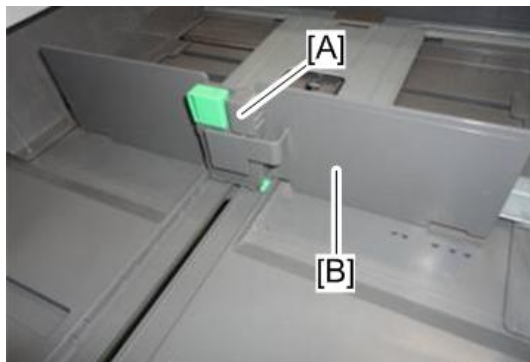
- 3.** Install the tab sheet holder on the end fence of the paper tray.



d1351734

Note

- When the tab sheet holder is installed correctly, you can hear a clicking noise.



d1351731

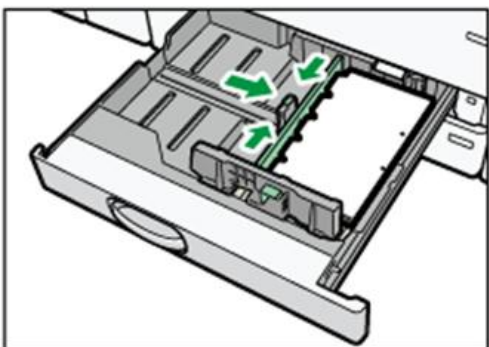
- [A]: End fence
- [B]: Tab sheet holder

- 4.** Load tab stock in the paper tray.

Note

- Load tab stock so that the side with the tab faces the tab sheet holder.

- 5.** Adjust the end fence position so that the tab sheet holder will fit the tab stock.



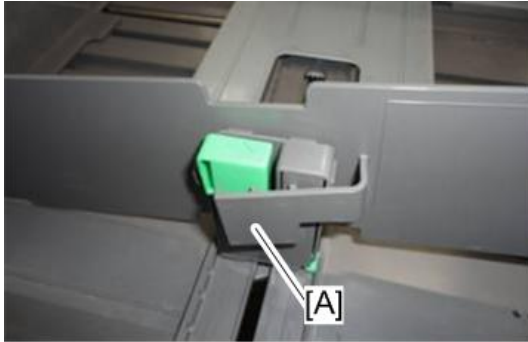
d1351735

- 6.** Carefully slide the paper tray fully in.

2.Installation

↓ Note

- When removing the tab stock holder, spread the hook [A] of the tab sheet holder and then remove it as shown below.

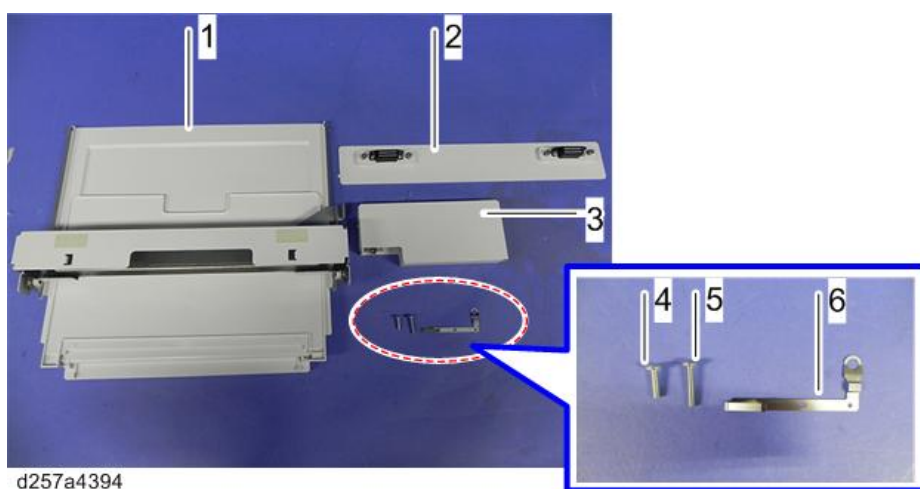


d1351732

Banner Paper Guide Tray Type M26 (MP C6503/C8003 Only)

Accessories

No.	Description	Q'ty	Remarks
1	PAPER FEED TRAY ASS'Y	1	
2	MAGNET PLATE	1	
3	DAMPER ASS'Y	1	
4	SCREW: M4×14	1	
5	SCREW: M4×20	1	
6	GROUND PLATE	1	

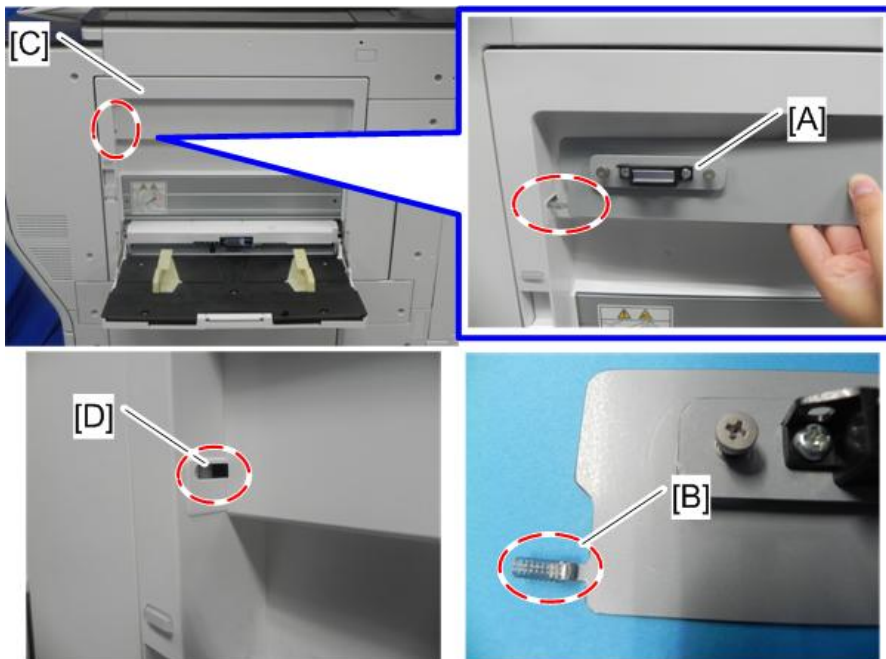


Installation Procedure

1. Peel off the release paper of the magnetic plate [A].

2. Installation

2. Press the spring [B] of the magnetic plate [A] against the metal part [D] of the bypass cover [C] to make a ground connection.



d257a2130

3. Attach the magnetic plate [A] to the bypass cover.



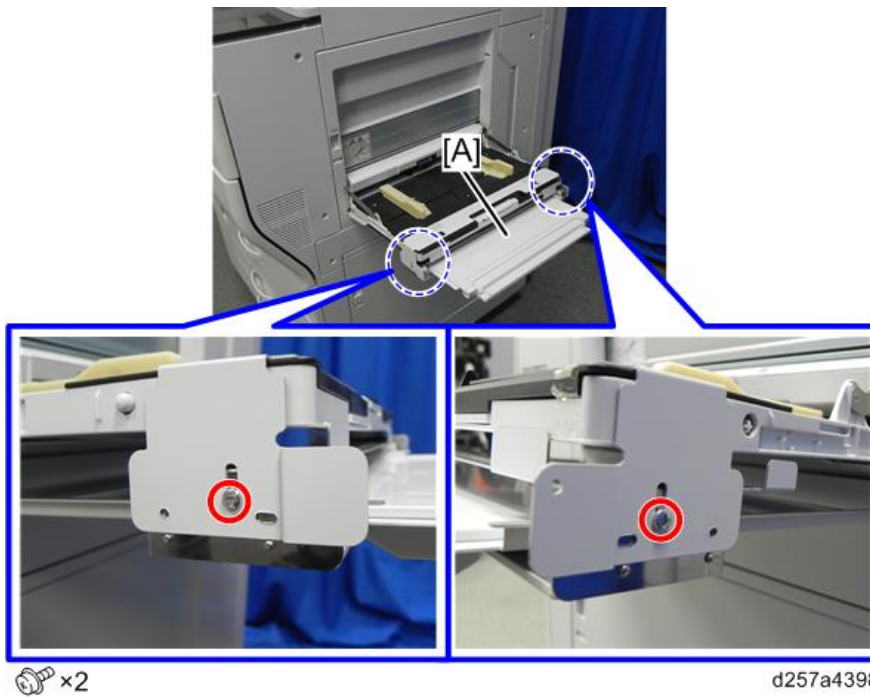
d257a2131

4. Put the paper feed tray assembly [A] on the bypass tray.

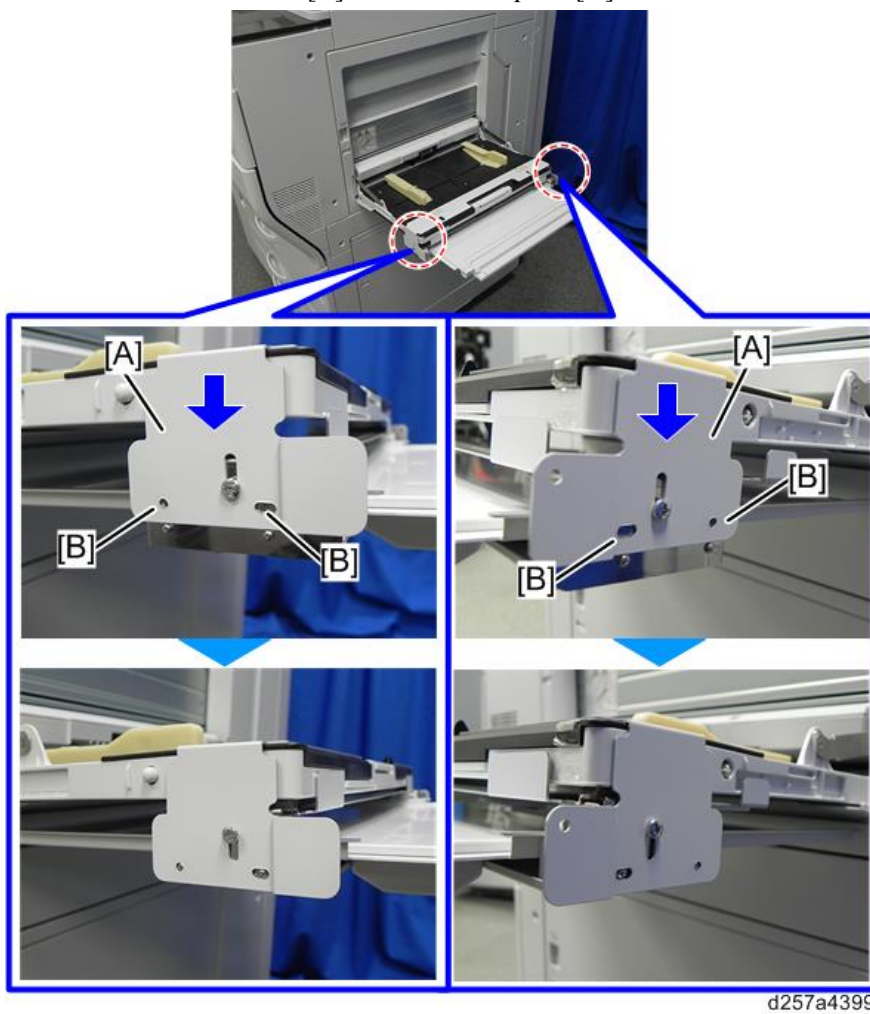


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5. Loosen the screws of the paper feed tray assembly [A].

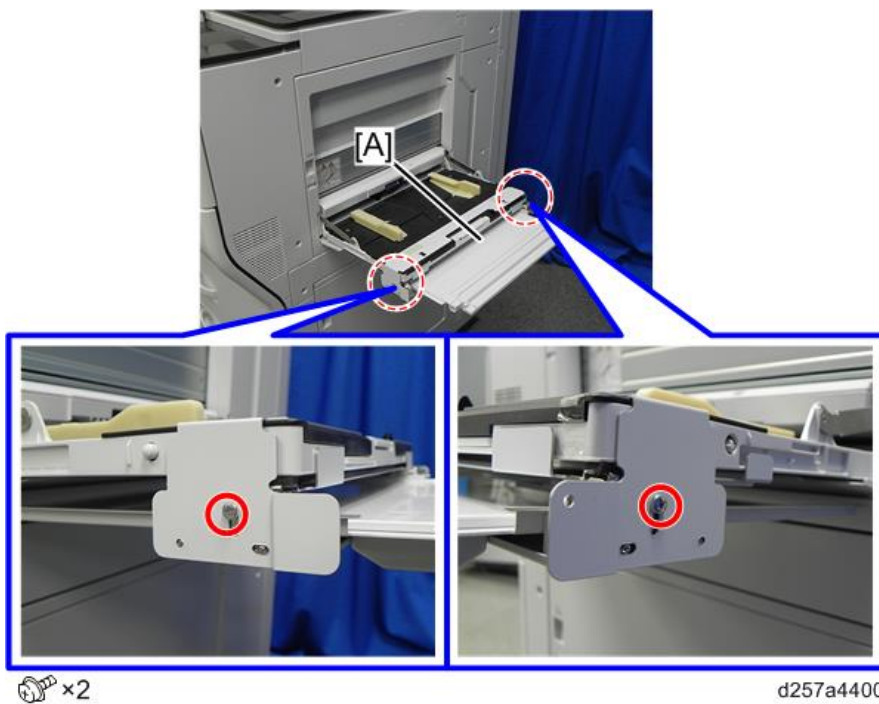


6. Put the bosses in the holes [B] of the counter plate [A].

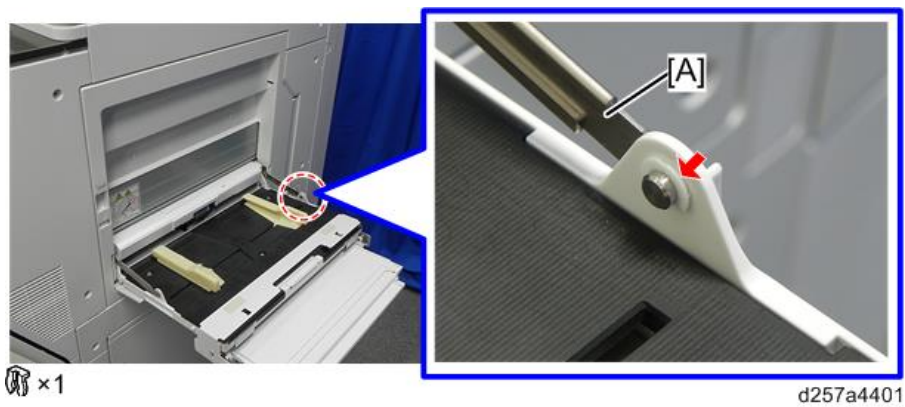


2.Installation

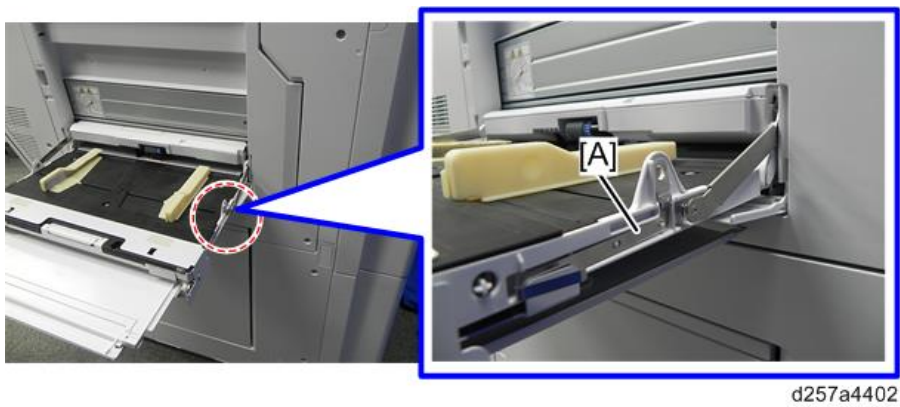
7. Fix the paper feed tray assembly [A].



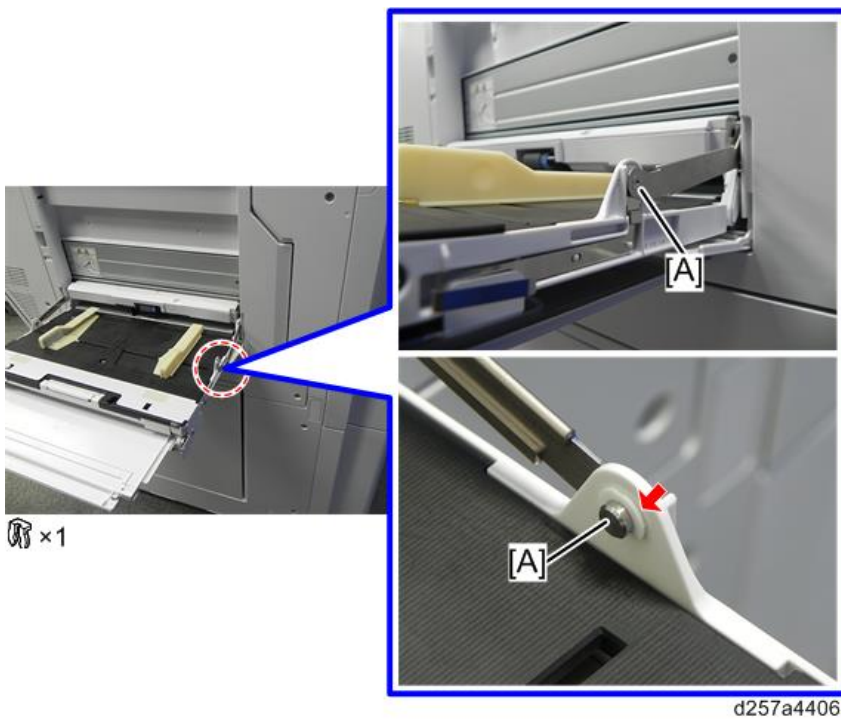
8. Remove the hinge [A].



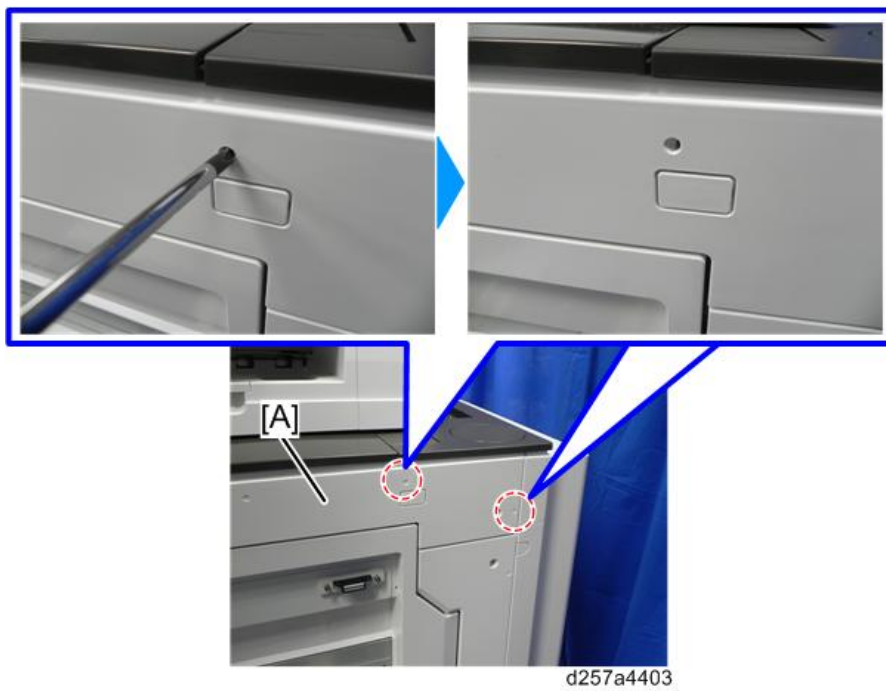
9. Attach the grounding plate [A].



10. Attach the hinge [A].

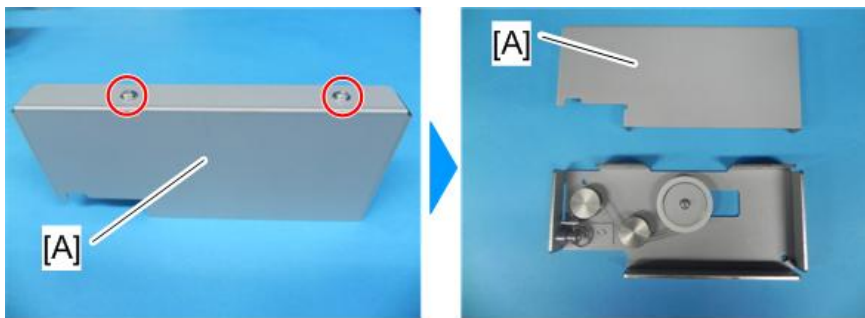


11. Make two screw holes in the right middle upper cover [A] with a screwdriver or drill.



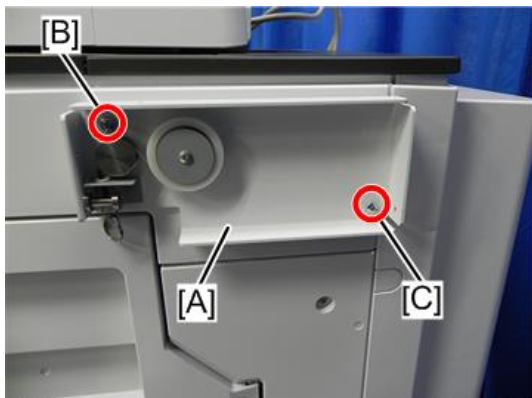
2.Installation

- 12.** Remove the cover [A] of the damper assembly.



d257a2132

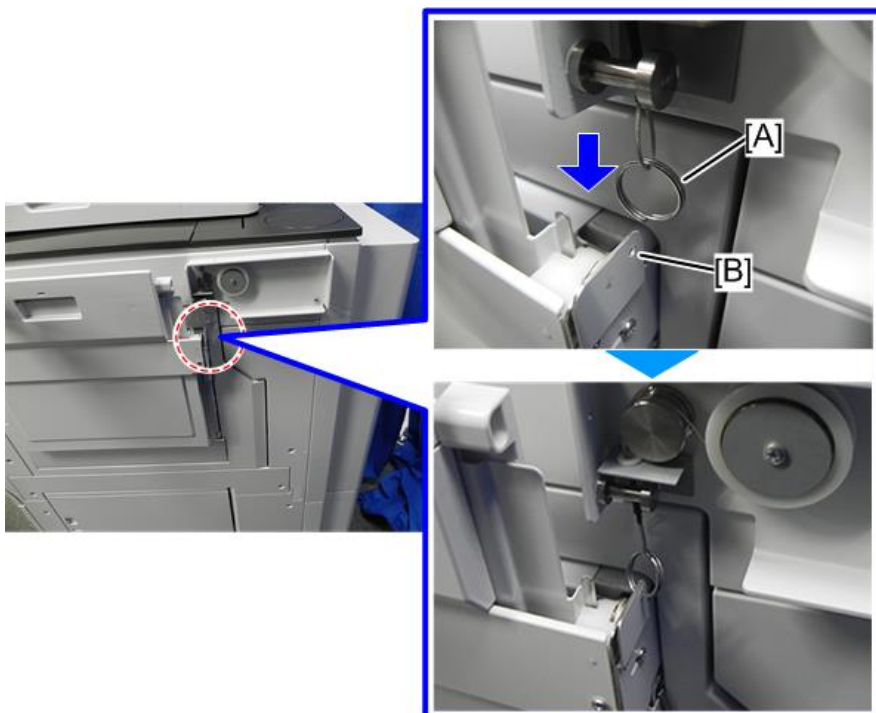
- 13.** Attach the damper assembly [A]. ([B]: M4×20, [C]: M4×14)



d257a4405

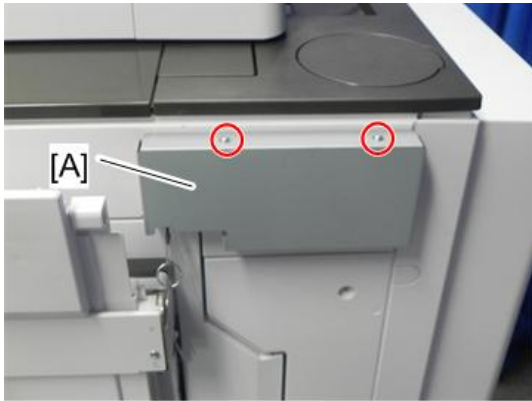
- 14.** Close the paper feed tray, so that it is held closed by the magnetic catch.

- 15.** Pull the ring [A] of the damper assembly, and put it in the hole [B] in the paper feed tray assembly.



d257a4407

16. Attach the cover [A].



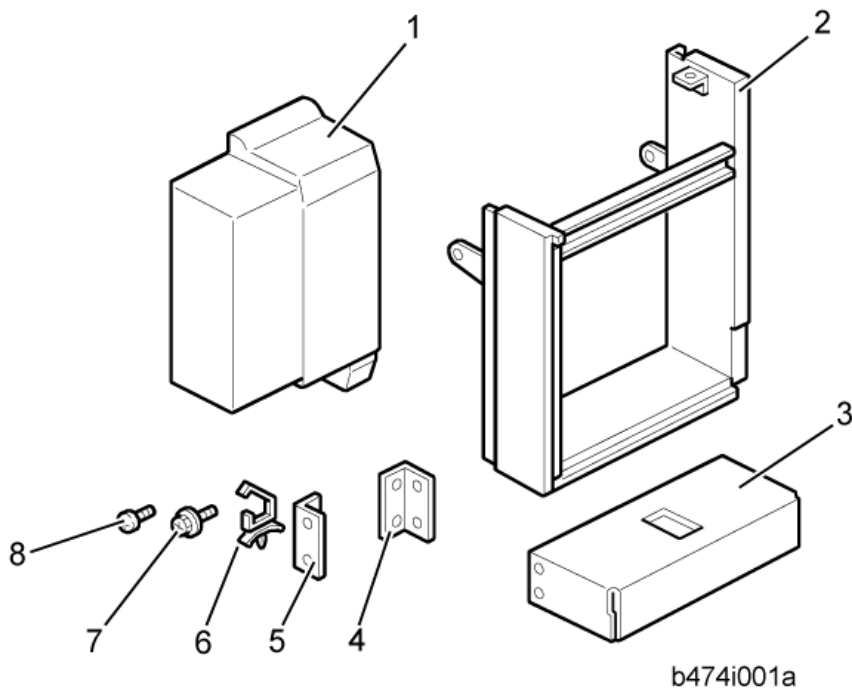
d257a2133

8 1/2" x 14" Paper Size Tray Type M2 (D745)

Component List

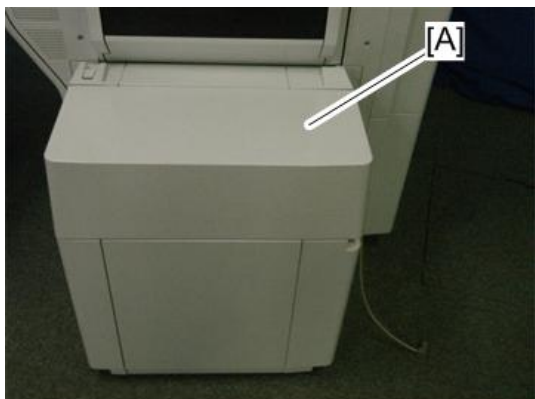
Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	Cover	1
2	B4/LG frame	1
3	Bottom plate extension	1
4	Rear bracket	1
5	Front bracket	1
6	Harness clamp	1
7	Tapping screws - M4x8	6
8	Tapping bind screws - M4x8	4



Installation Procedure

- 1.** Open the upper right cover [A].



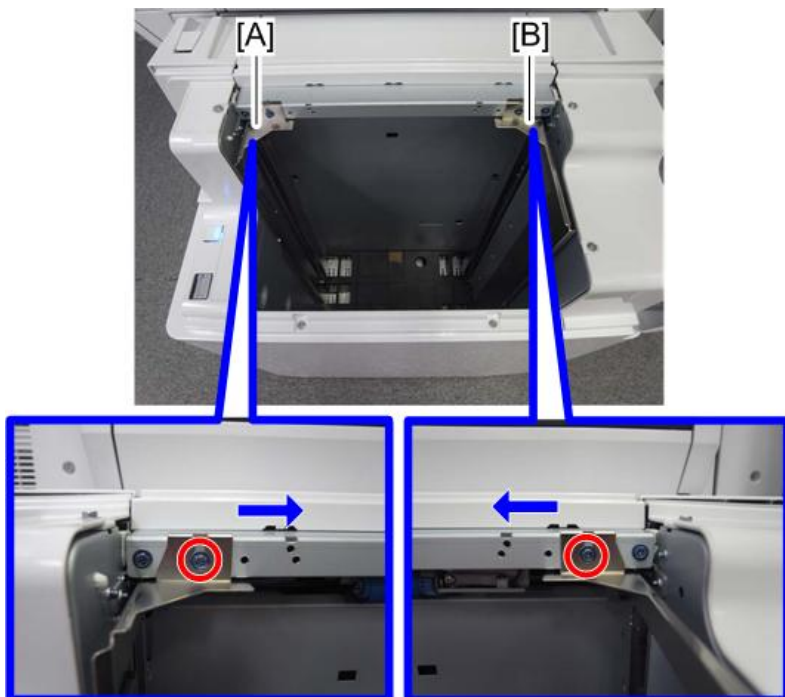
d1351127

- 2.** Move down the paper tray. To do this, cover the photo sensor with your left hand and press the bottom plate operation button [A].



d1351125

- 3.** Move the front side fence [A] and rear side fence [B] to the B4 or LG position.



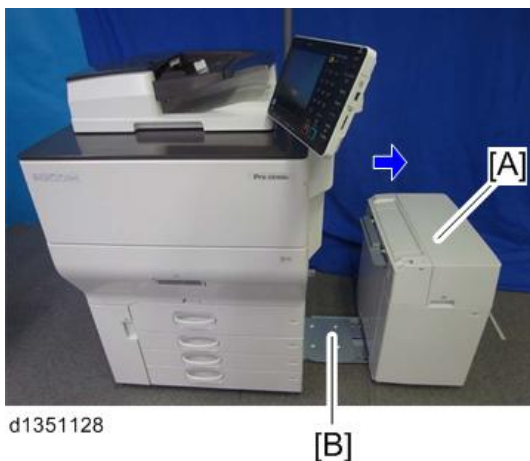
d1351230

2. Installation

- 4.** Close the upper right cover to move the paper tray up. (The paper tray stops in about 30 seconds.)
- 5.** Switch the machine off and unplug the machine.
- 6.** Disconnect the LCIT power connector from the machine.
- 7.** Remove the right cover of the LCIT. (LCIT RT4020 (D709))
- 8.** Release the LCIT from the main machine.



- 9.** Slide the LCIT [A] against the main machine, and then remove it from the rail [B].

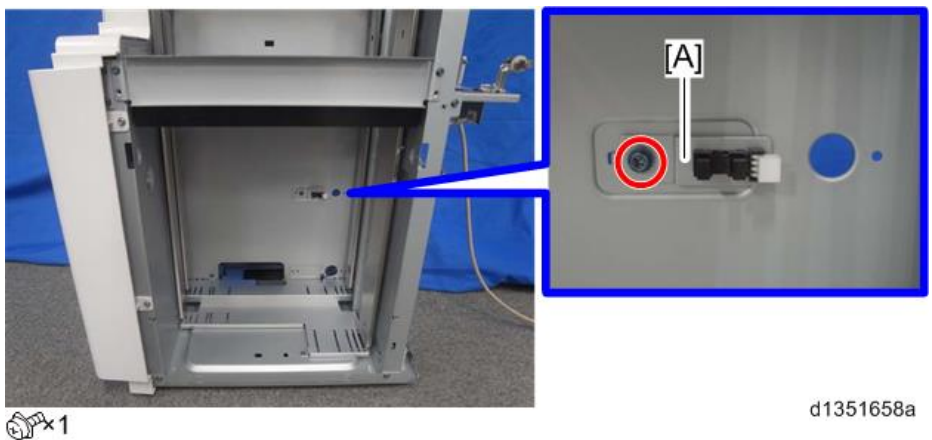


- 10.** Remove the following covers. (LCIT RT4020 (D709))
 - Upper right cover
 - Upper left cover
 - Rear left cover
 - Rear cover
 - Left cover

- 11.** Remove the lower limit sensor bracket [A].

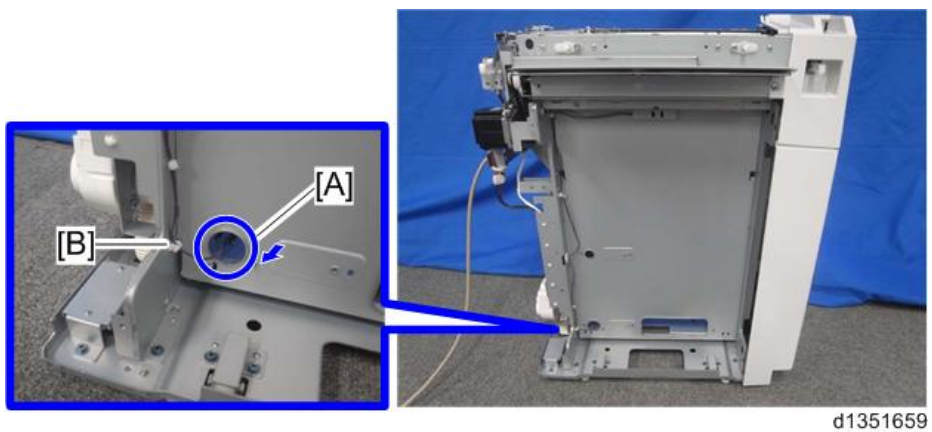


- 12.** Install the lower limit sensor bracket [A] at the higher position.



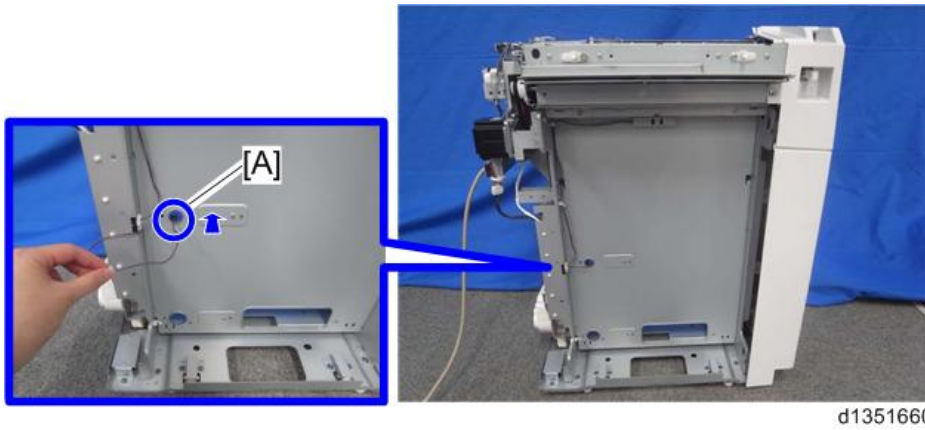
- 13.** Pull the sensor connector wire removed in step 11 through the hole [A] from the left side of the LCIT.

- 14.** Release the sensor connector wire from the clamp [B].



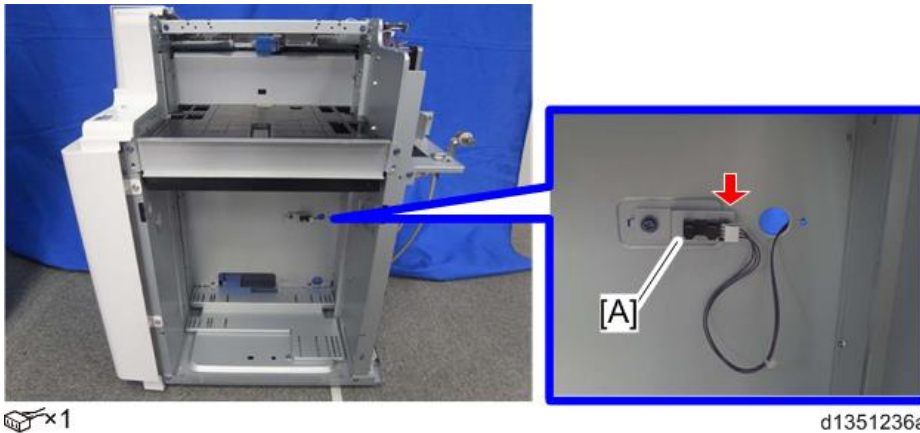
2.Installation

- 15.** Put the sensor connector wire to the right side of the LCIT through the hole [A].



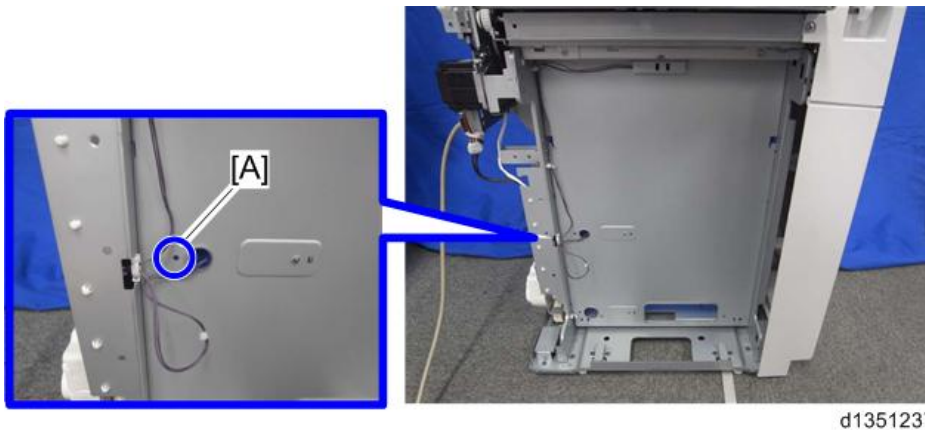
d1351660

- 16.** Connect the sensor connector wire to the lower limit sensor [A].



d1351236a

- 17.** Attach the harness clamp to the rear of the plate [A]. Use this clamp to hold the sensor connector wire.



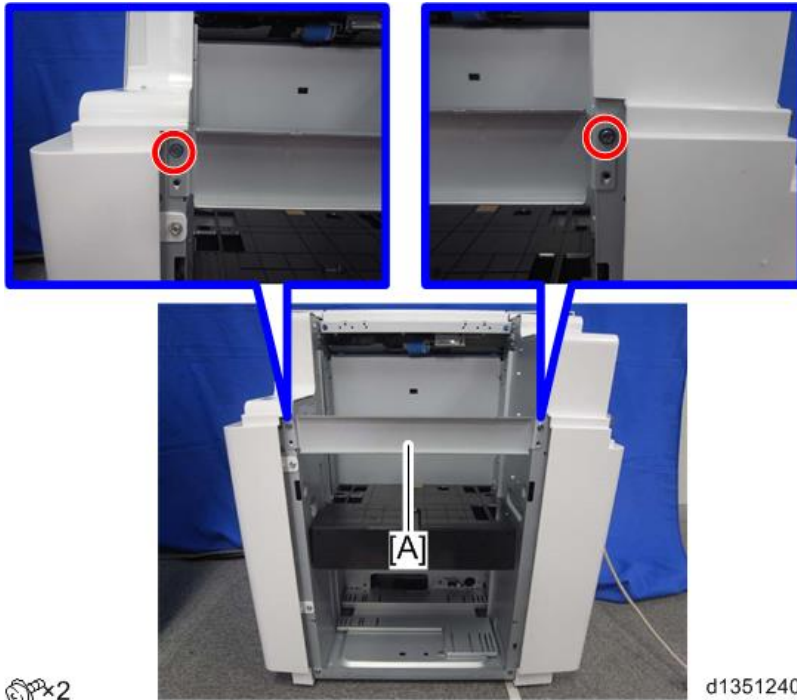
d1351237

- 18.** Reattach the following covers.

- Left cover
- Rear cover
- Rear left cover
- Upper left cover

- 19.** Remove the right stay [A].

Bring back or discard the stay after removing it.



 x2

d1351240a

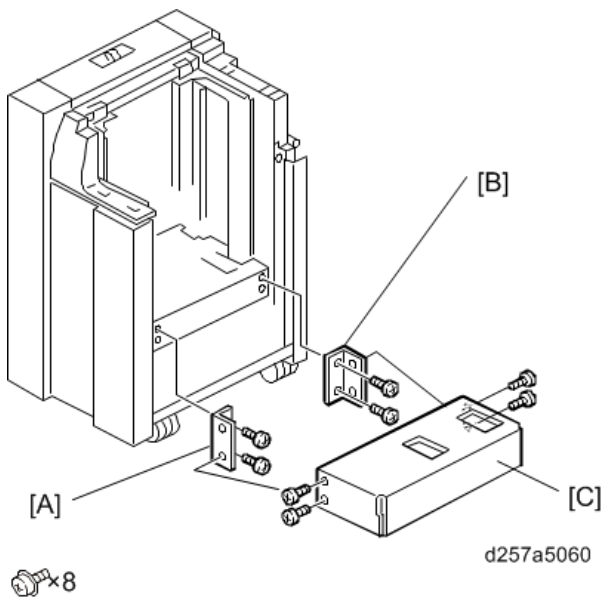
20. Attach the front bracket [A] with the beveled corner down.

Note

- If the brackets are not easy to install, lift the bottom plate with your hand.

21. Attach the rear bracket [B] with the beveled corner down.

22. Attach the bottom plate extension [C] with the hex screws.

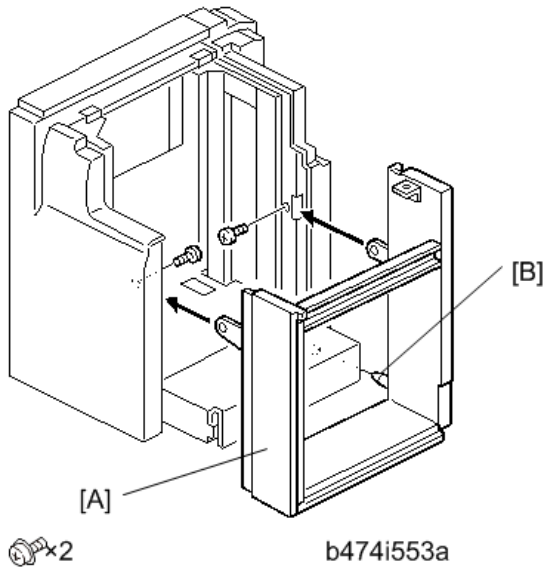


 x8

d257a5060

2.Installation

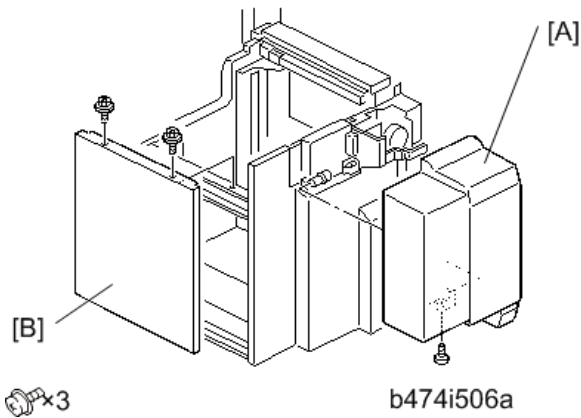
- 23.** Attach the B4/LG frame [A] with the hex screws.



Note

Insert the positioning pin [B] of the B4/LG frame [A] into the hole of the LCIT.

- 24.** Attach the right cover [B].
- 25.** Attach the upper right cover [A] provided with the 8 1/2" x 14" Paper Size Tray Type M2.



- 26.** Install the LCIT on the main machine. ([LCIT RT4020 \(D709\)](#))
- 27.** Plug in and turn ON the machine.
- 28.** Go into the SP mode and do 5-959-003.
- 29.** Input "5" for B4 SEF or "6" for 8.5" x 14" SEF.

Multi Bypass Banner Sheet Tray Type S6 (Pro C5200S/C5210S Only)

Accessories

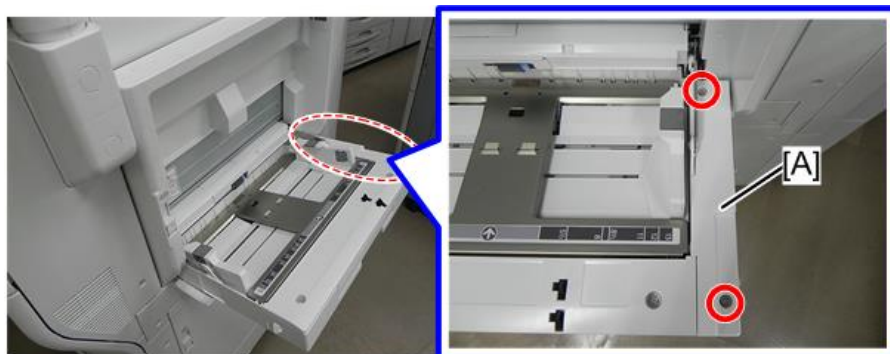
No.	Description	Q'ty	Remarks
1	PAPER FEED TRAY ASS'Y	1	
2	GROUND PLATE	1	



d257a4417

Installation Procedure

1. Remove the cover [A].

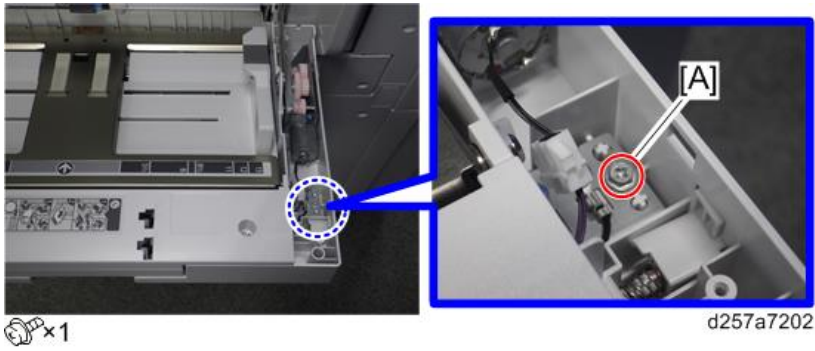


 x2

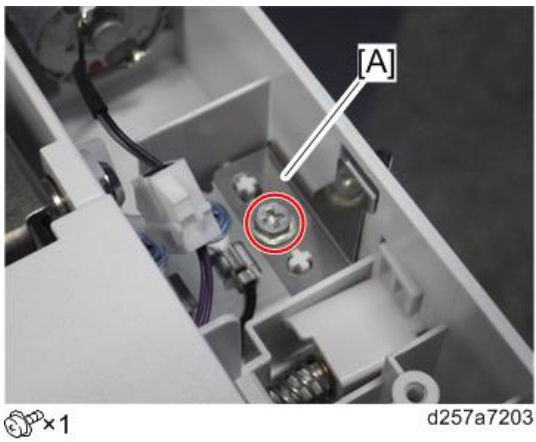
d257a4453

2.Installation

2. Remove the screw [A].



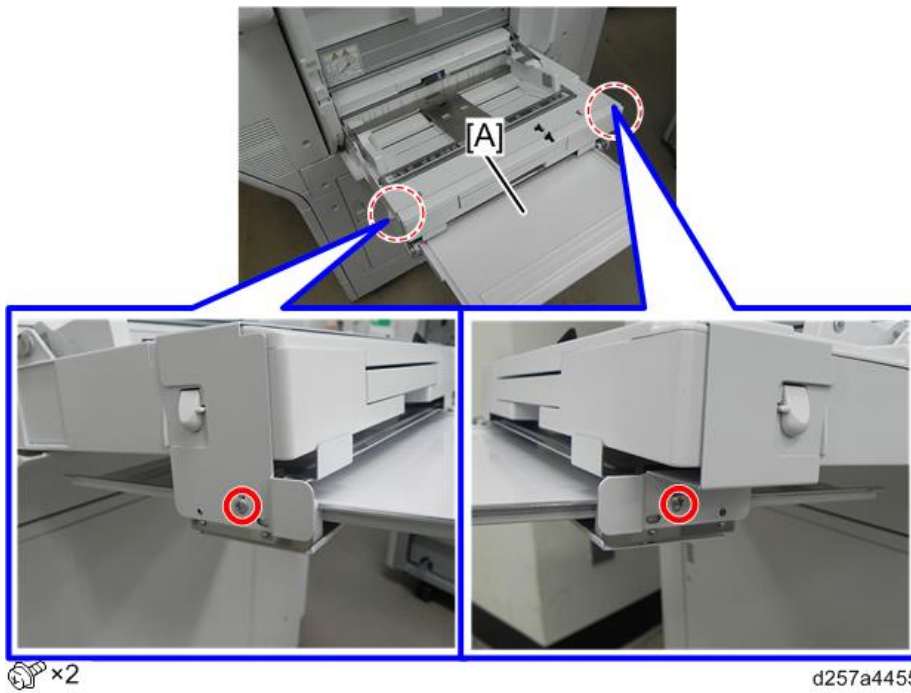
3. Attach the grounding plate [A] with the screw removed in Step 2.



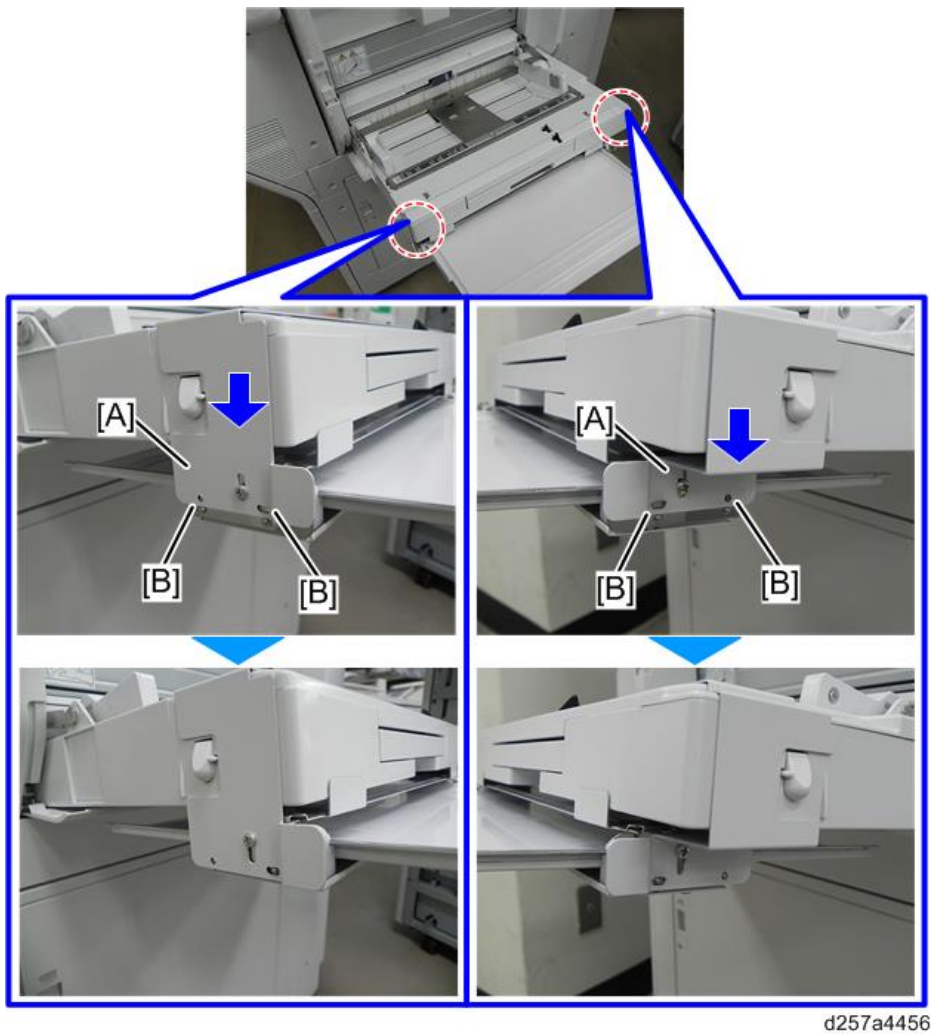
4. Put the paper feed tray assembly [A] on the bypass tray.



5. Loosen the screws of the paper feed tray assembly [A].

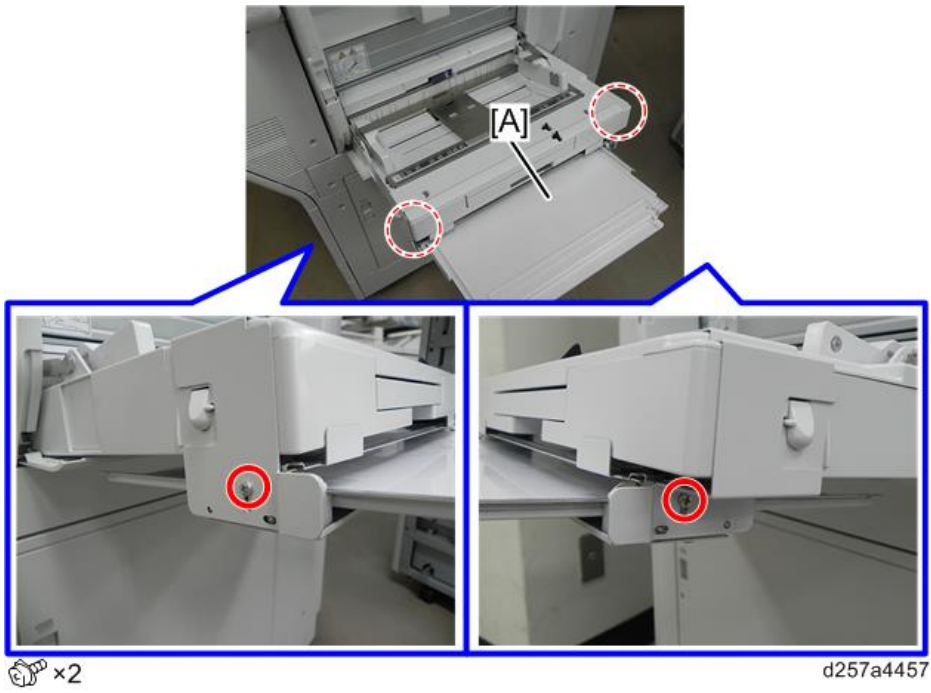


6. Put the bosses in the holes [B] of the counter plate [A].



2.Installation

7. Fix the paper feed tray assembly [A].



Cover Interposer Tray CI4040 (D3CN)

Cover Interposer Tray CI4040 inserts cover or slip sheets into copied or printed outputs.

Note

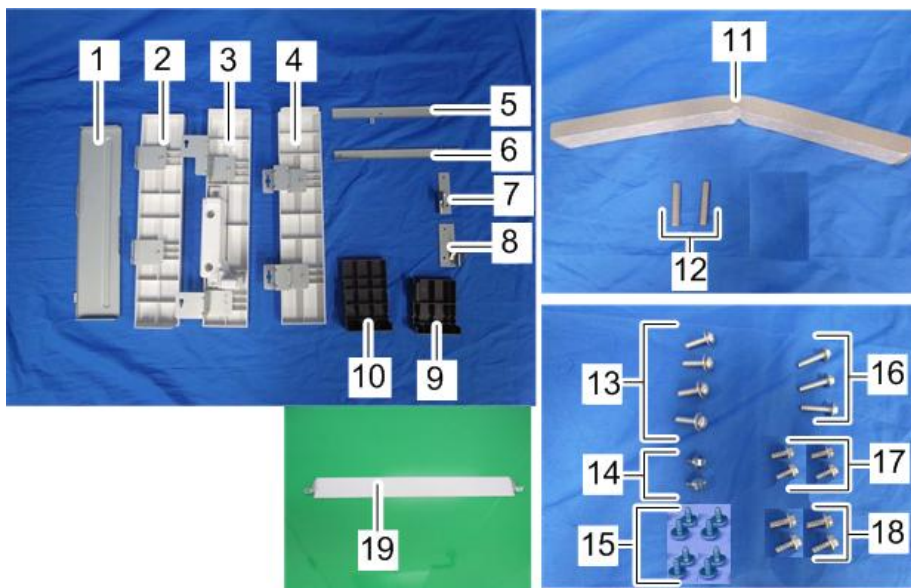
To use Cover Interposer Tray CI4040, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130

Accessories

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	Plate Extension (bottom)	1
2	Rear cover extension (bottom)	1
3	Front door extension (top)	1
4	Front door extension (bottom)	1
5	Connecting Bracket (rear)	1
6	Connecting Bracket (front)	1
7	Front Joint Bracket	1
8	Rear Joint Bracket	1
9	Right front corner plate	1
10	Right Rear Cover Plate	1
11	Cushion (with double-sided tape)	1
12	Gasket	2
13	Screws– M4 x 14	4
14	Shoulder screw	2
15	Tapping screws – M3 x 6	8
16	Tapping screws – M4 x 16	3
17	Tapping screws – 3 x 6	4
18	Tapping screws – M4 x 8	4
19	Entrance Guide Plate	1

2.Installation



d223d8606

Installation Procedure

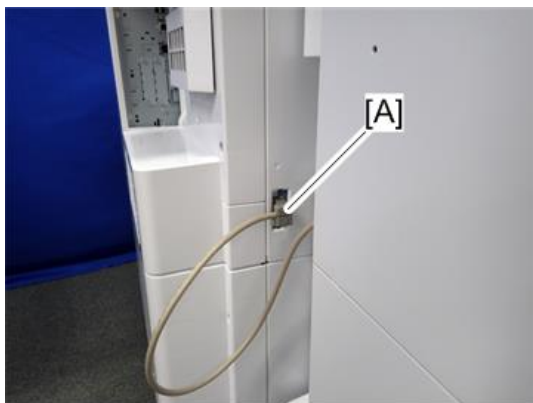
⚠ CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

Installation Procedure for Machines With a Finisher Installed

If the finisher is installed, it must be separated from the main machine.

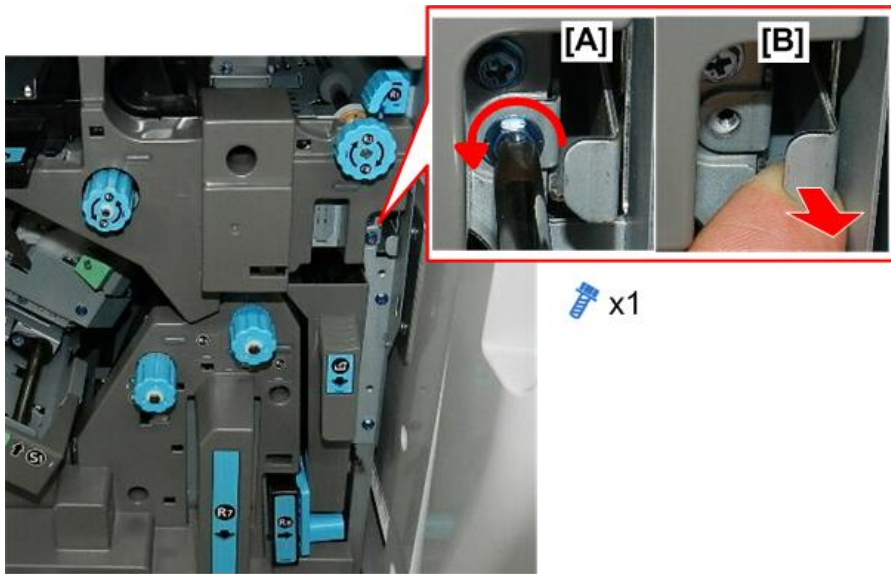
- 1.** Disconnect the finisher connector [A] from the main machine.



 x 1

d257a5051

2. Open the finisher front door. Remove the screw [A], and then pull the lock lever [B].

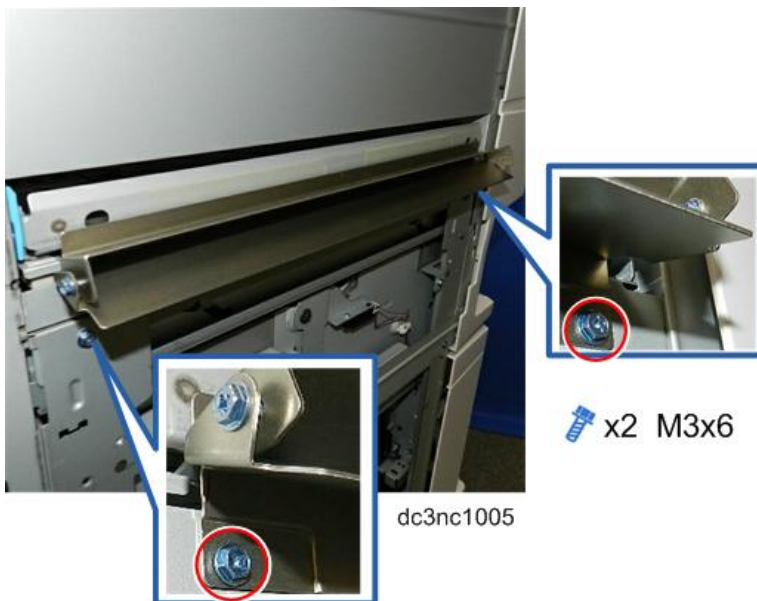


dc3nc1003

3. Pull the finisher away from the side of the machine.

Prepare the Finisher

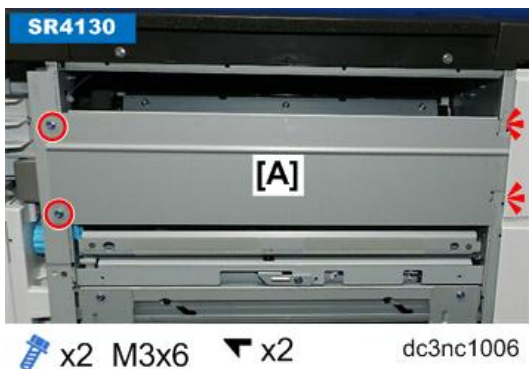
1. Remove the entrance guide plate from the finisher.



dc3nc1005

2.Installation

- SR4130 only: Remove the finisher top right cover [A].

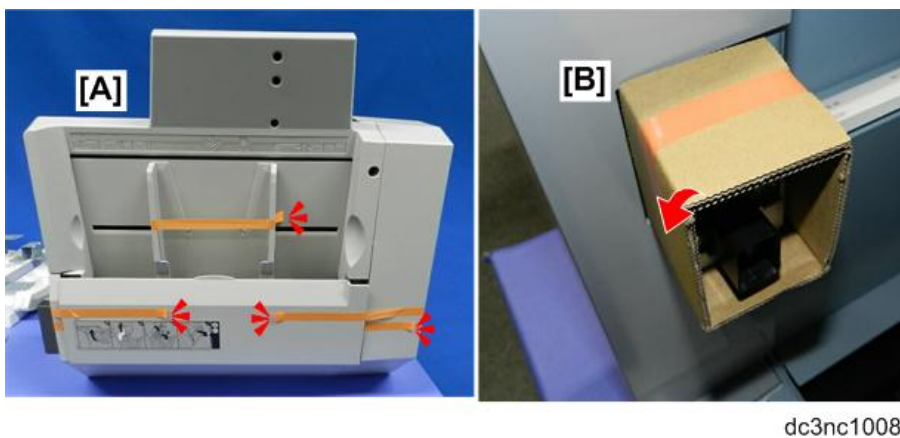


- Peel off the sponge strip [A] from the finisher.



Shipping Tapes and Retainers

- Remove tape from the top [A] of the tray.
- Under the tray, remove the tape and cardboard on the connector [B].



3. Open the tray, and remove all tape and pieces of cardboard.



dc3nc1009

Prepare the Main Machine

1. Remove the connecting bracket [A] from the main machine.

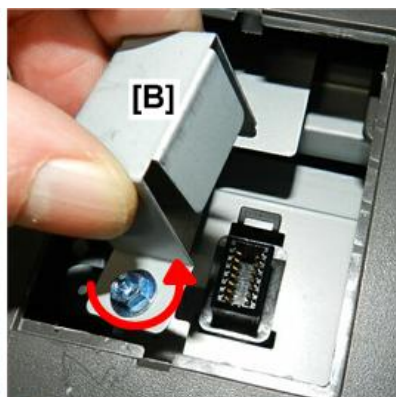
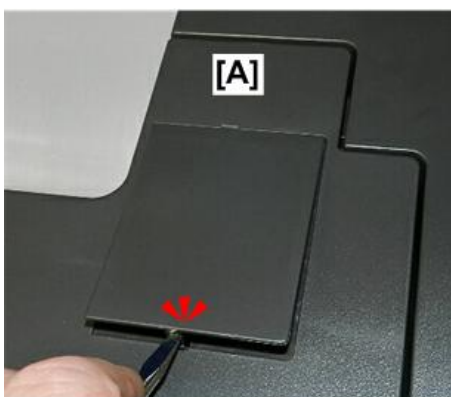


 x4 M4x20

d257a5047

Cover Interposer Tray

1. On top of the finisher, remove the connector cover [A].
2. Remove metal cover [B].



 x1

dc3nc1012

2.Installation

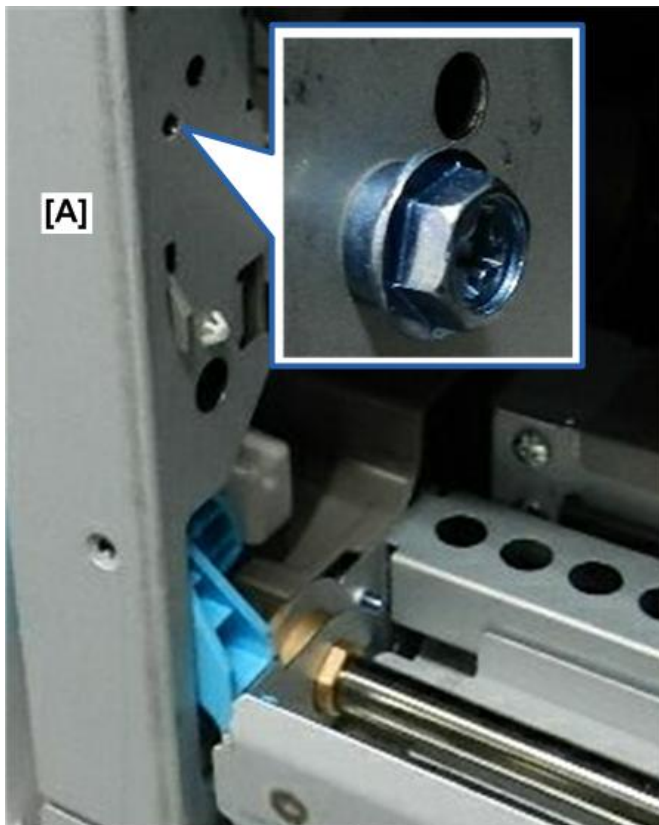
3. On the right rear inside panel of the finisher [A], fasten one shoulder screw.



 x1

dc3nc1013

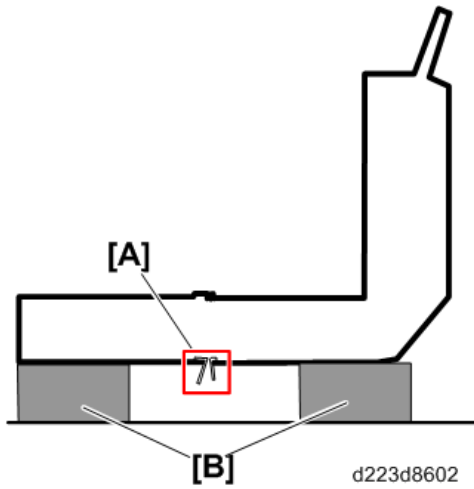
4. On the right front post of the finisher [A], fasten the other shoulder screw.



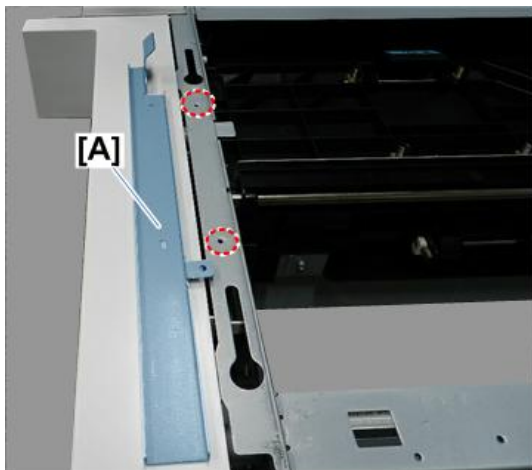
 x1

dc3nc1014

5. To avoid damaging the guides [A] on the right side of the unit, elevate the unit with some blocks, boxes, etc. [B] so it is not flat on the floor.



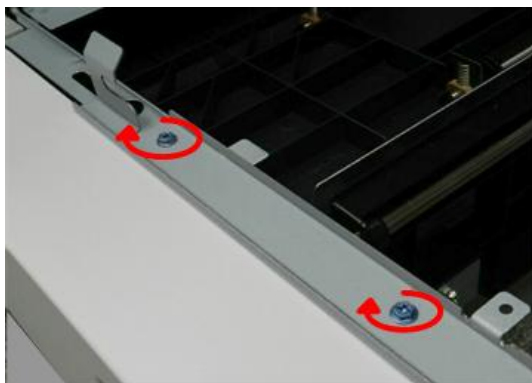
6. Select the rear tray mounting bracket [A], and then locate its screw holes between the keyholes on the rear frame.



X2 M3x6

d223d8603

7. Align the holes, and then fasten the tray mounting bracket to the frame.

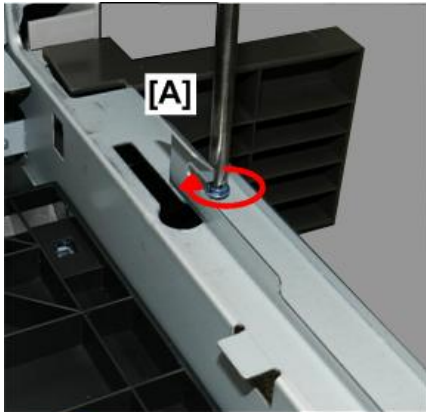



x2 M3x6

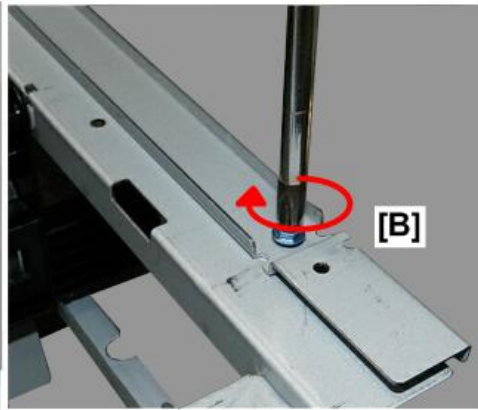
dc3nc1016

2.Installation

8. Fasten the other mounting bracket to the front frame at [A] and [B].



 x2 M3x6



dc3nc1017

9. If the upstream device is the main machine or "Multi-Folding Unit FD4000", proceed to step 10. If the upstream device is any other option, replace the original guide plate [A] with "GUIDE PLATE: CONNECTING: LOWER" (item #19 of the accessories).

★ Important

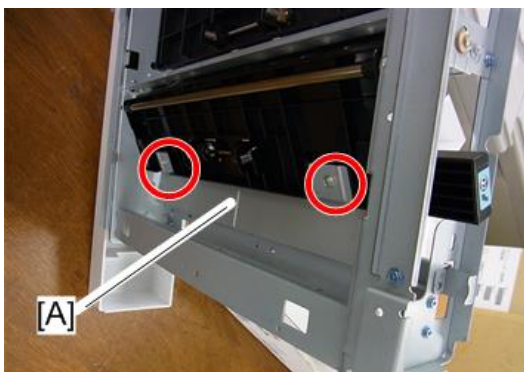
- With the original guide plate installed, lever [A] will catch the optional device if released for jam recovery.

- 1) Release the lever [A].



d1356012

- 2) Remove the entrance guide plate [A].



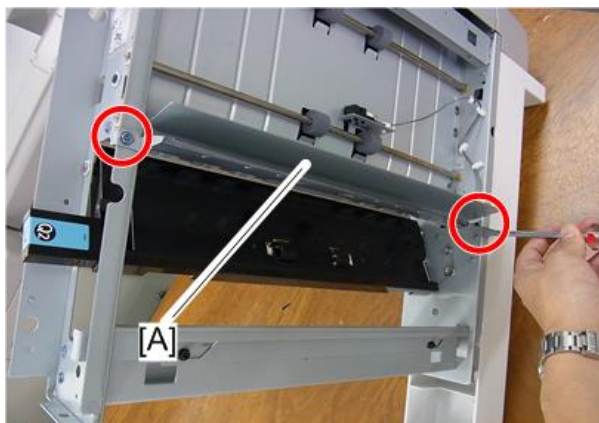
 x2



d1356013a

The original guide plate will no longer be used and does not have to be stored.

3) Attach the new entrance guide plate [A] (item #19 of the accessories) to the frame of the cover interposer.



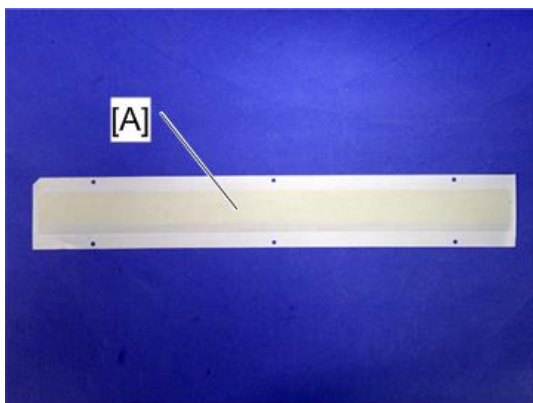
⊗×2

d1356014a

4) Lift up the lever to its home position.

10. If the upstream device is the main machine, attach the guide sheet provided with the main machine. If the upstream device is not the main machine, proceed to step 11.

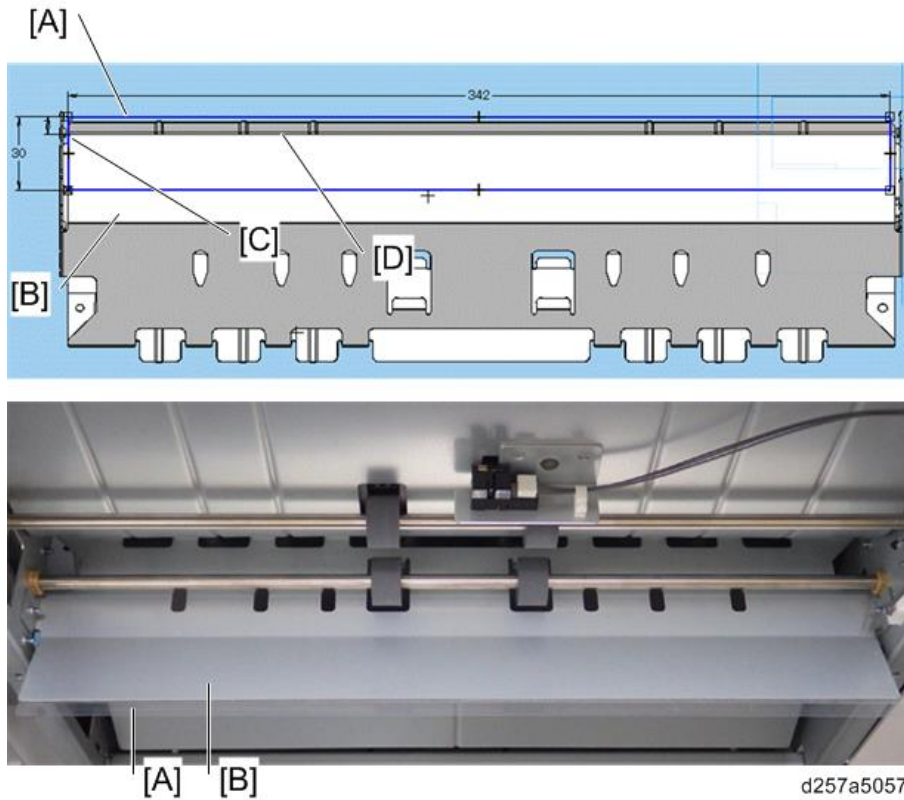
1) Prepare the guide sheet [A] provided with the main machine.



d257a5054

2) Remove the release paper from the guide sheet [A], and attach the guide sheet to the bottom side of the upper entrance guide plate [B].

2. Installation



[C]: Align the edge of the guide sheet with the edge of the upper entrance guide plate.

[D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

- 11.** On the right side of the finisher, hold the tray unit over the finisher, and then align the hooks of the mounting brackets with the installed shoulder screws in the finisher.
- 12.** Slowly, lower the tray unit hooks onto the shoulder screws inside the finisher.

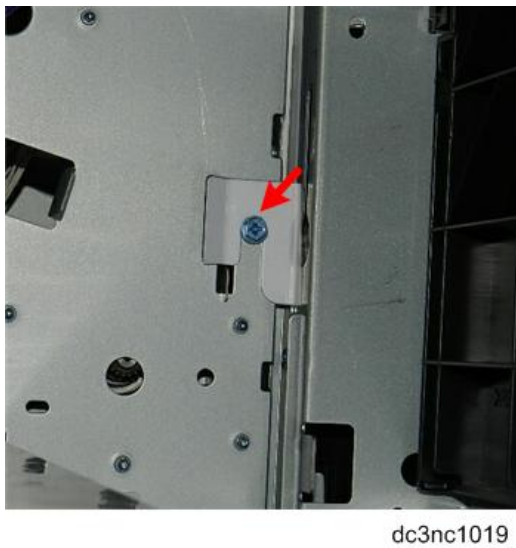


Note

- The shoulder screws are located on the front panel [A] and rear panel [B] inside the finisher.



- 13.** Look inside the finisher to confirm that the hook of the rear bracket is seated correctly on the shoulder screw.



- 14.** Fasten one screw below the Q2 lever to fasten the tray to the frame.



2.Installation

15. Raise Q2.



dc3nc1021

16. Fasten one screw to fasten the tray to the frame at the rear.



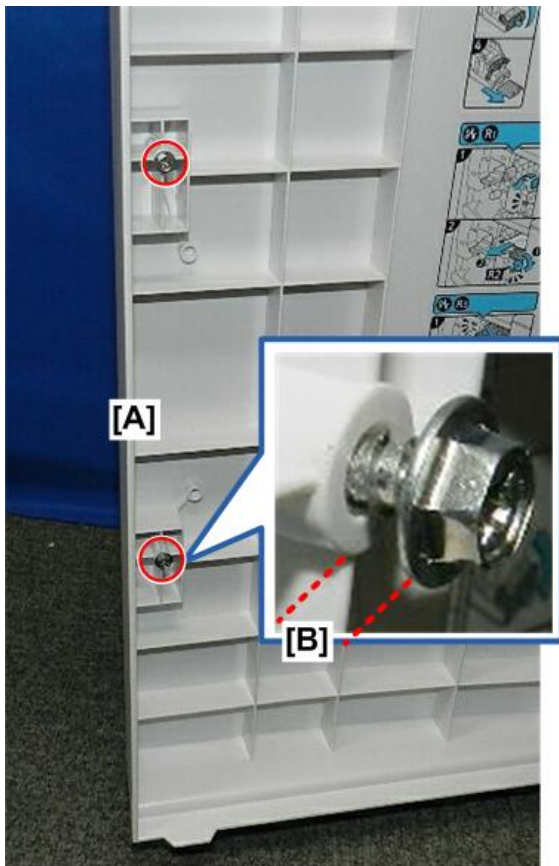
 x1 M3x6

dc3nc1022

Extensions

1. Set two screws in the bottom half of the finisher front door [A].

2. Do not tighten these screws [B].



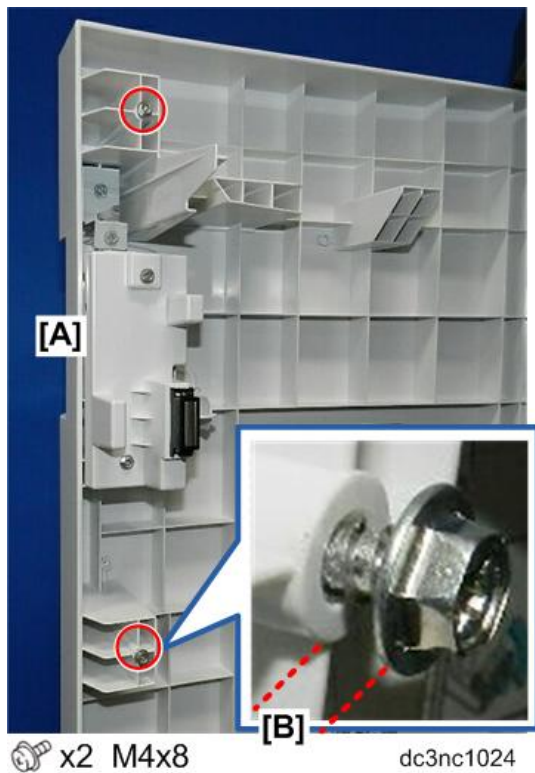
 x2 M4x8

dc3nc1023

3. Set two screws in the top half of the finisher front door [A].

2. Installation

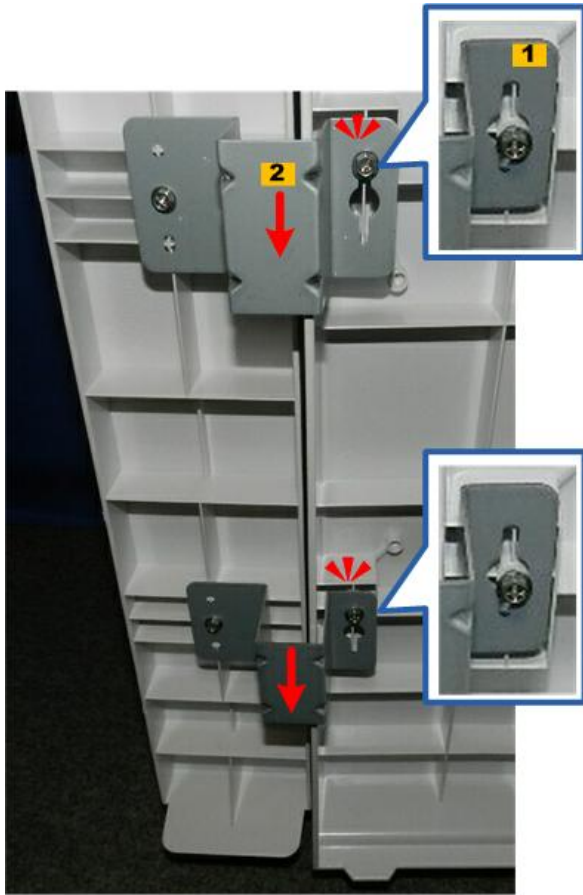
4. Do not tighten these screws [B].




5. Select the front door bottom extension.

6. Set the keyholes of the hinges [1] over the heads of the screws, and then slide the extension [2] down so that the heads of the screws slide into the cutouts.

7. Tighten both screws.



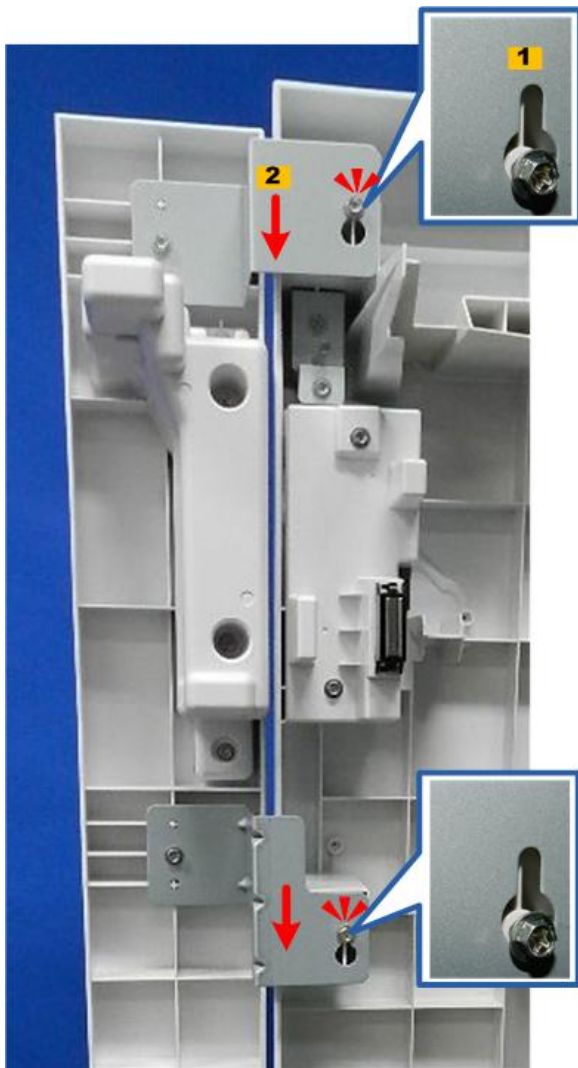
 x2 M4x8

dc3nc1025

8. Select the front door top extension.

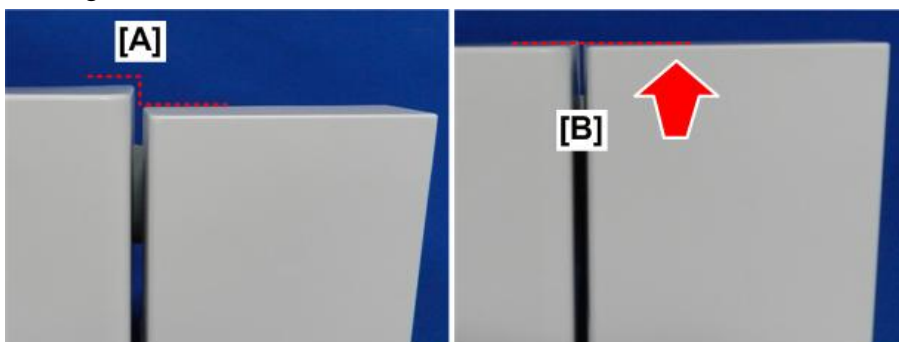
2.Installation

- 9.** Set the keyholes of the hinges [1] over the heads of the screws, and then slide the extension [2] down so that the heads of the screws slide into the cutouts.



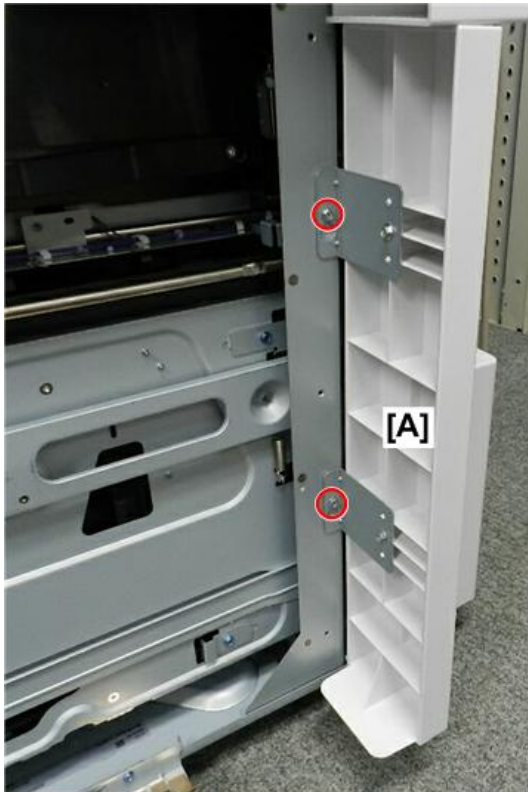
dc3nc1026


- 10.** Check the top of the door and the top of the extension.
- If the top of the door is not level with the top of the extension [A], slide the extension up slightly.
 - Tighten the screws.



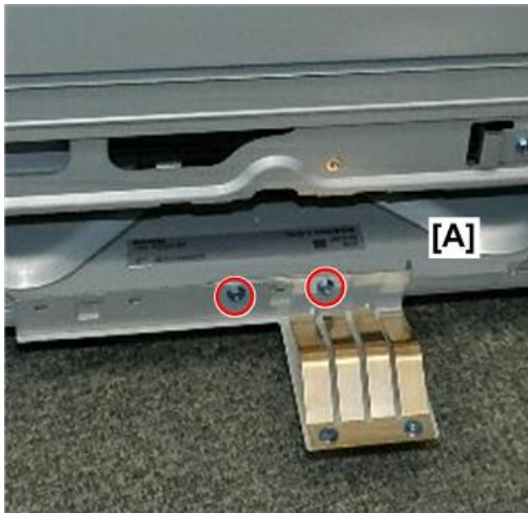
dc3nc1045

- 11.** Attach the rear cover extension [A].



 x2 M3x6 dc3nc1027

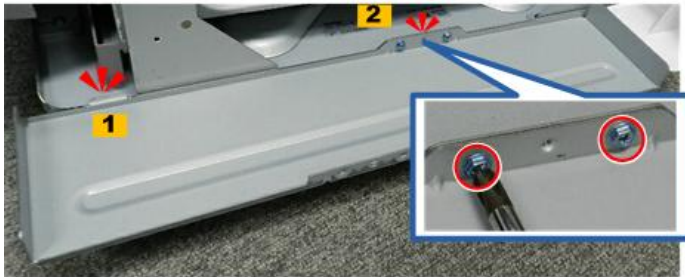
- 12.** Remove the grounding plate [A] from the bottom right edge of the finisher.



 x2 M3x6 dc3nc1028

2. Installation

- 13.** Set the tab [1] and boss [2] of the grounding plate extension on the bottom edge, and then fasten it with the screws.



 x2 M3x6

dc3nc1029

- 14.** Hook the grounding plate onto the right edge of the extension.




dc3nc1030

 x1

- 15.** Fasten the grounding plate to the extension.



 x2 M3x6

dc3nc1031

- 16.** At the right front corner of the finisher [A], peel off the tape.

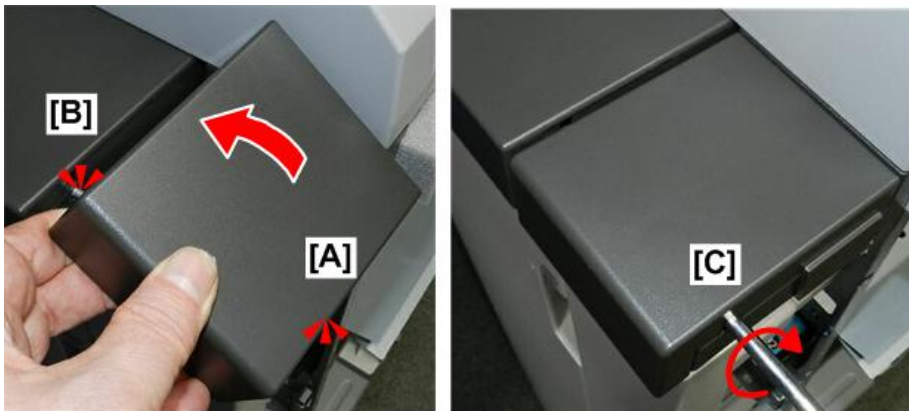
- 17.** Set one screw [B]. Do not tighten it.



 x1 M4x16

dc3nc1032

- 18.** Select the right front corner plate (the smaller plate).
- 19.** Attach it to the right edge [A], and then lower its cutout over the set screw.
- 20.** Use a long screwdriver inserted through the hole at [C] to tighten the screw and fasten the plate.



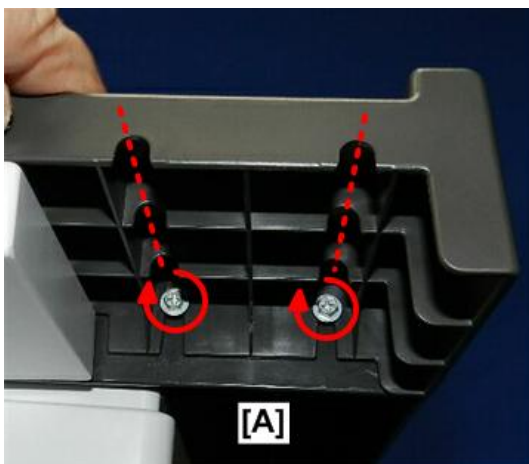
dc3nc1033

- 21.** At the right rear corner of the finisher [A], peel off the tape.
- 22.** Set two screws [B]. Do not tighten them.
- 23.** When you attach the plate [C], hook the cutouts under the plate over the set screws.



 x2 M4x16 dc3nc1034

- 24.** Use a long screwdriver inserted through the cutouts under the plate [A] to tighten the screws and fasten the plate.

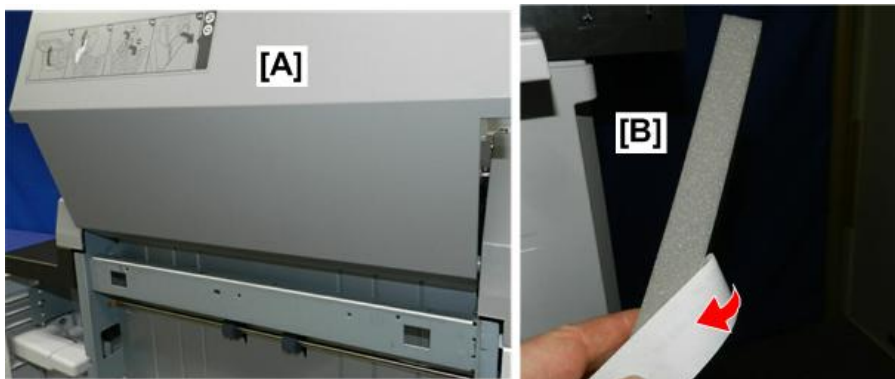


dc3nc1035

2.Installation

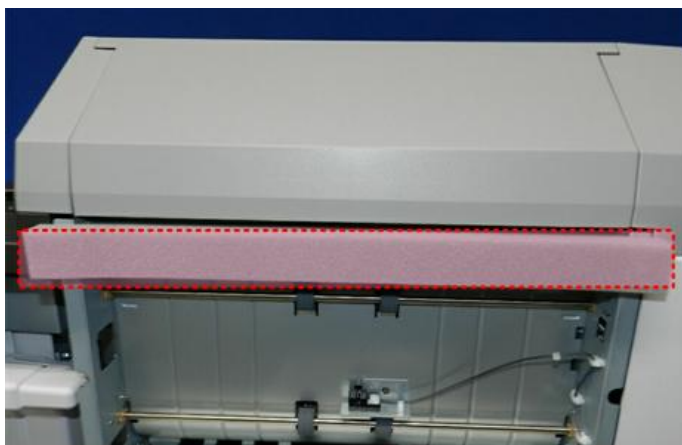
Sponge Strip

- 1.** Open the tray [A].
- 2.** Peel the cover [B] from the tape on the sponge.



dc3nc1036

- 3.** Attach the sponge to the bare plate.



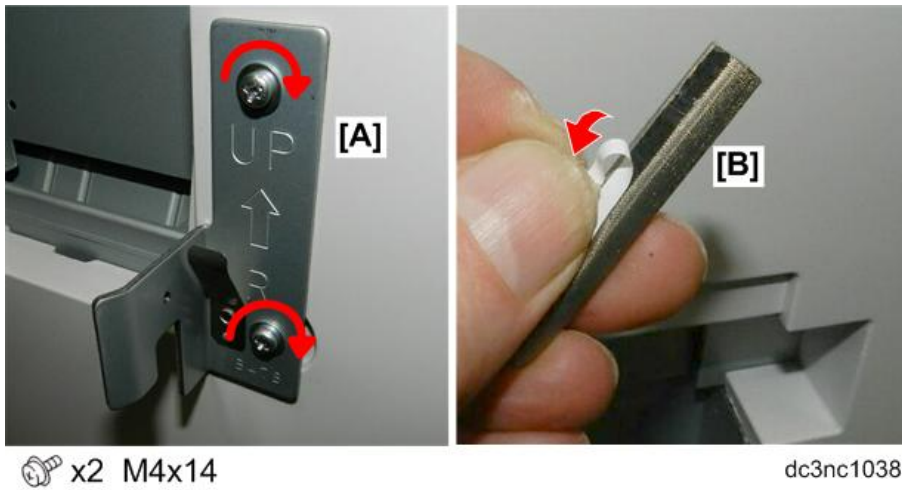
dc3nc1037

- 4.** Raise and lower the tray a few times to make sure that the strip is not sticking to the tray.

Prepare the Main Machine (2)

- 1.** On the left side of the main machine, attach the front connecting bracket (marked "R") on the right side of the paper exit [A].

- 2.** Remove the tape from one gasket [B].



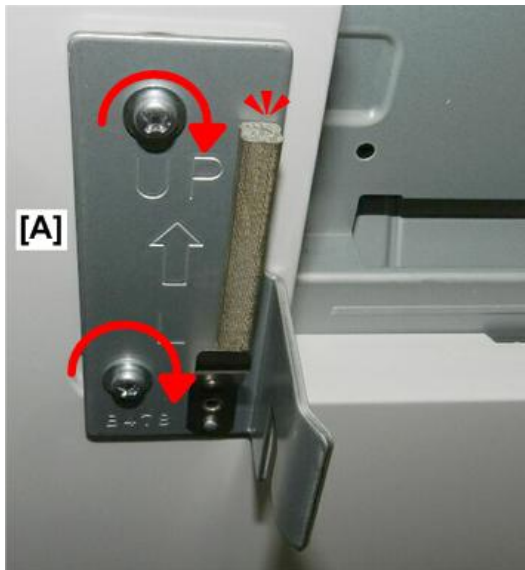
- 3.** Attach the gasket [A] to the front connecting bracket.



- 4.** Attach the rear connecting bracket (marked "L") on the left side of the paper exit [A].

2.Installation

5. Attach the other gasket to this bracket.



 x2 M4x14

dc3nc1039

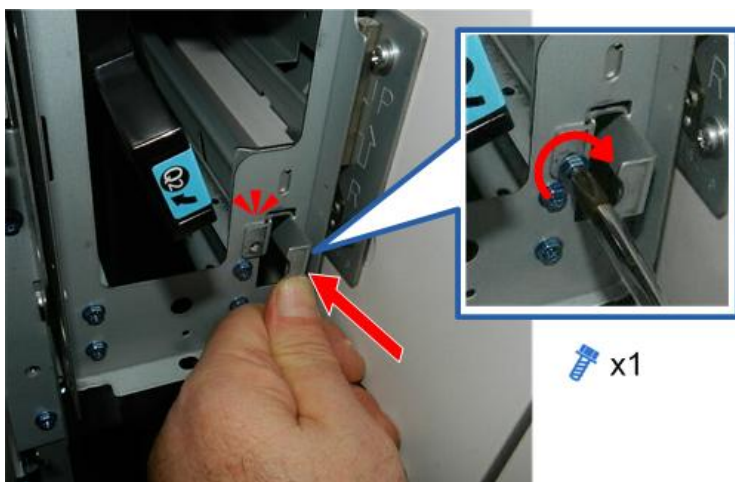
Docking the Finisher

1. Push the finisher close to the left side of the main machine.
2. Confirm that the lock bar is pulled out completely.



dc3nc1041

- 3.** Push in the lock bar, and then fasten it with its screw.

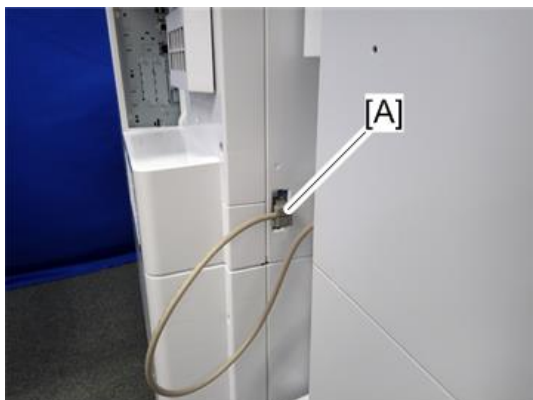


dc3nc1042

★ Important

- After docking the finisher, lower and raise guide Q2 to confirm that it opens and closes smoothly.
- If it does not operate smoothly, make sure that the right side of the finisher is straight against the left side of the machine (or upstream device).
- Also, check the guide Q2 and the paper guide above to see if either is bent or loose.

- 4.** Connect the finisher cable [A] to the machine.



d257a5051

Finish the Installation

- 1.** Plug in the machine and switch the machine on.
- 2.** Enter the [System Settings].
- 3.** Select Cover Sheet Tray > Front Cover Sheet Tray > Back Cover Sheet Tray > Tray Paper Settings > Designation Sheet 2 Tray.

Cover Interposer Tray CI4020 (D712)

Cover Interposer Tray CI4020 inserts cover or slip sheets into copied or printed outputs.

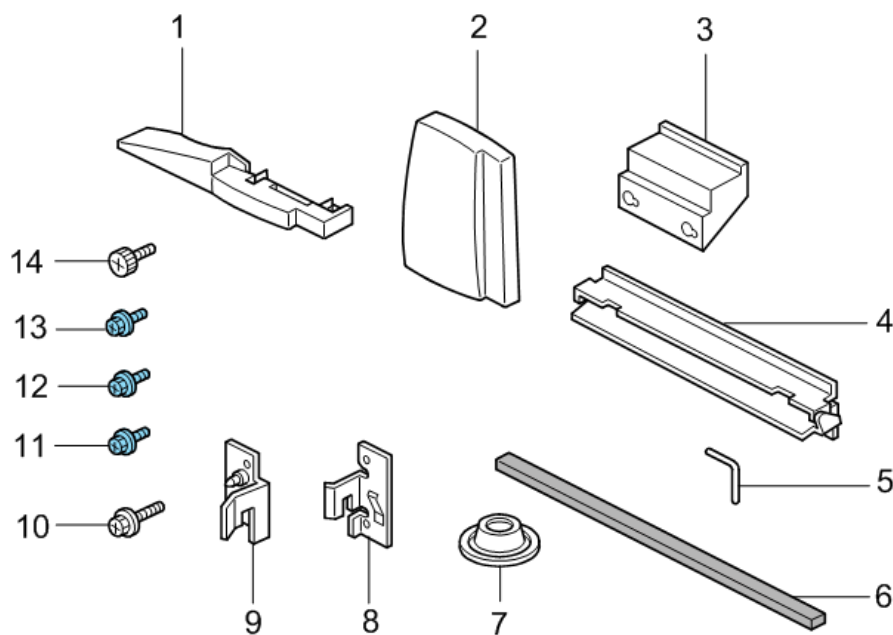
Note

To use Cover Interposer Tray CI4020, one of the following is also required: Finisher SR5070, Booklet Finisher SR5080, or Finisher SR4110

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1.	Base Cover (Tray Unit)	1
2.	Rear Cover	1
3.	Spacer	1
4.	Entrance Guide Plate	1
5.	"L" Hinge Pins (Tray Unit Front Cover)	2
6.	Sponge Strip	1
7.	Leveling Shoes	4
8.	Front Docking Bracket	1
9.	Rear Docking Bracket	1
10.	Screw (M4 x 14)	4
11.	Screw (M3 x 6)	2
12.	Screw (M3 x 8)	1
13.	Screws (M4 x 8)	7
14.	Flat Knob Screw	1



d1351335

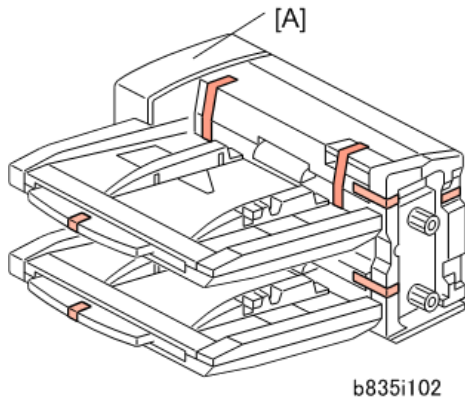
Installation Procedure

Setting up the Unit and Docking to the Copier

⚠ CAUTION

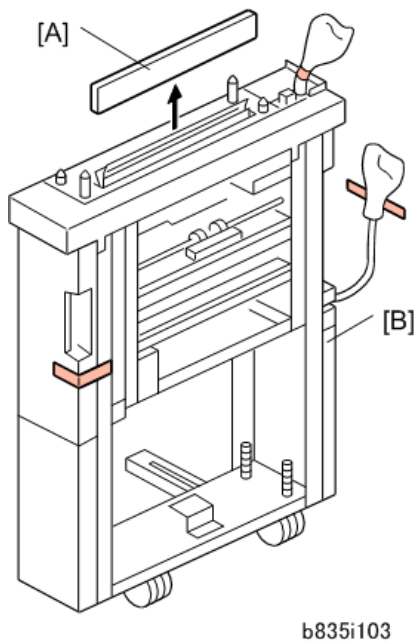
- Unplug the power cord before starting the following procedure.

- 1.** Remove all the tape and shipping materials from the tray unit [A].



- 2.** Remove cover [A].

- 3.** Remove all tape and shipping materials from the transport unit [B].

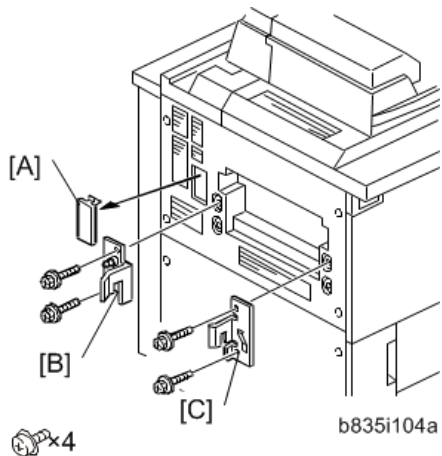


- 4.** Remove the interface connector cover [A].

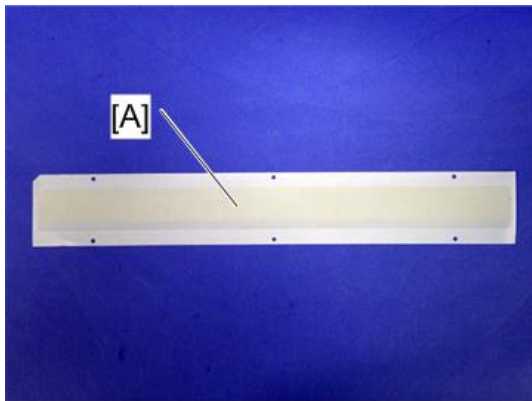
- 5.** Attach the rear connecting bracket [B] (M4x14).

2.Installation

- 6.** Attach the front connecting bracket [C] (M4x14).

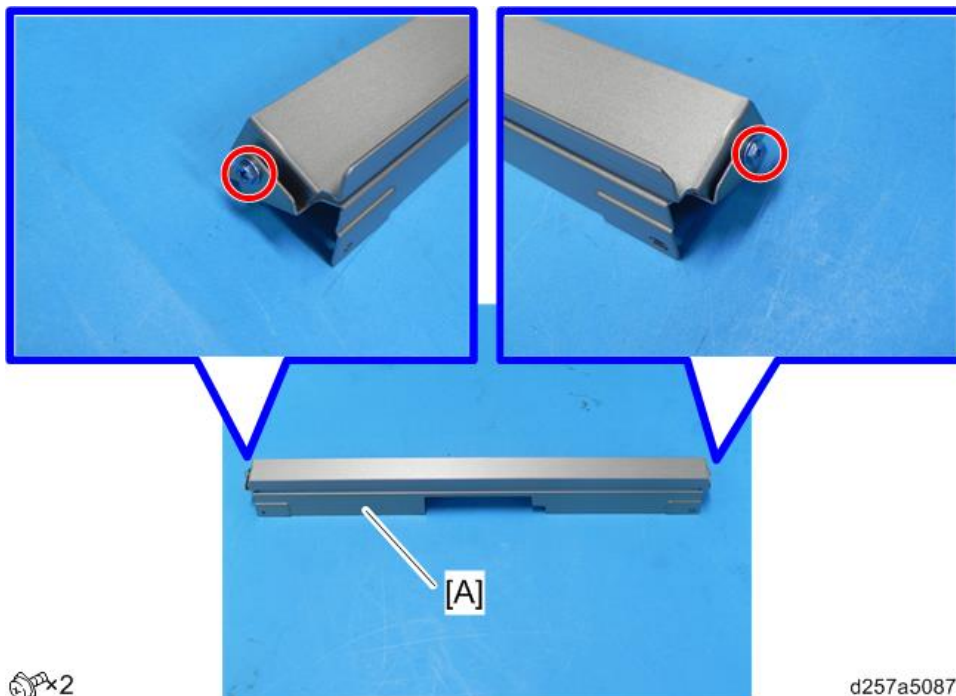


- 7.** If the upstream device is the main machine, prepare the guide sheet [A] provided with the main machine. If the upstream device is not the main machine, proceed to step 11.



d257a5054

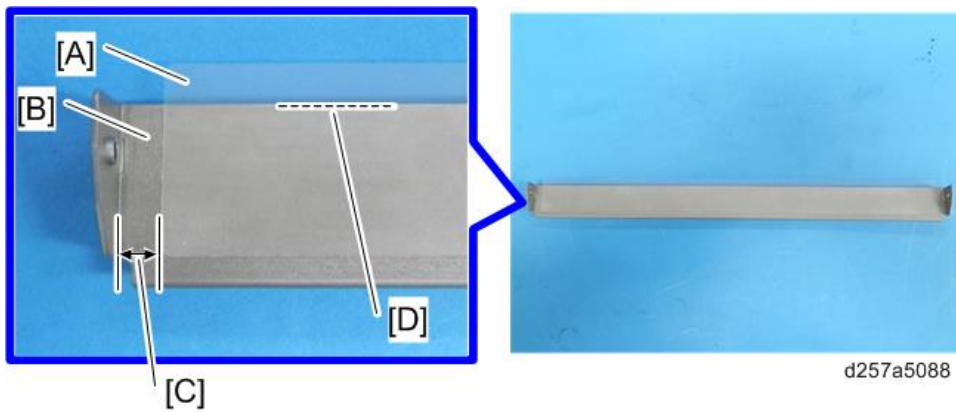
- 8.** Divide the entrance guide plate [A] into two parts.



d257a5087

- 9.** Remove the release paper from the guide sheet [A], and attach the guide sheet to the side of the upper

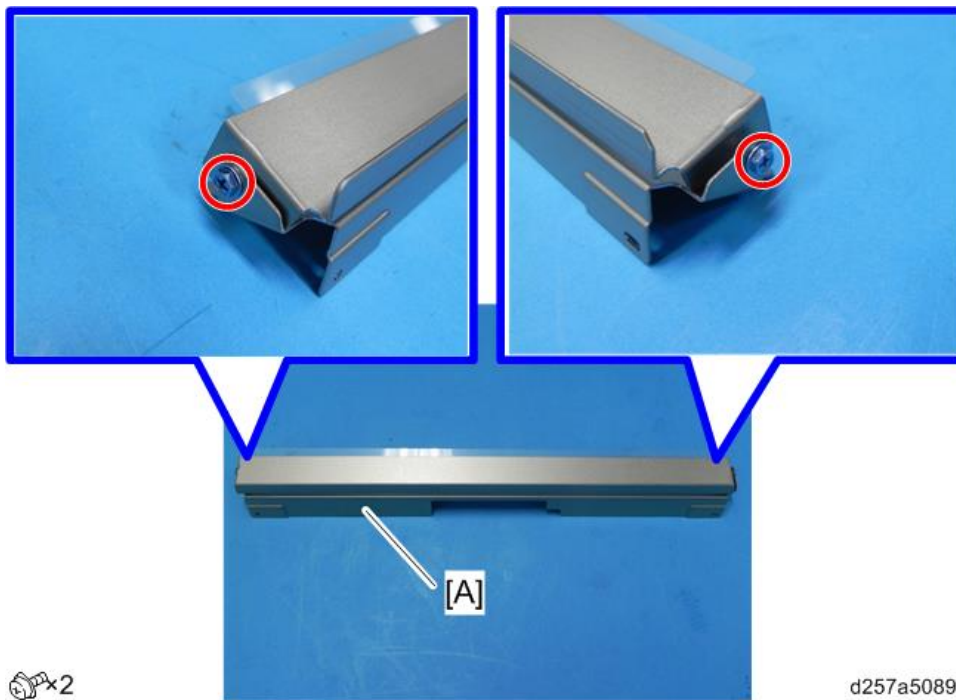
entrance guide plate [B] which becomes the inner side when assembled.



[C]: Position the edge of the guide sheet 5 mm inside from the edge of the upper entrance guide plate.

[D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

10. Reassemble the entrance guide plate [A].



 x2

11. Peel the tape from the back of the sponge strip [A] and attach it as shown.

[D]: 0 to 5 mm

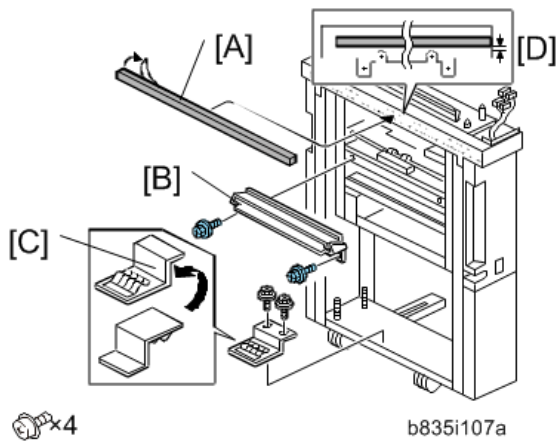
12. Attach the entrance guide plate [B] (M3x6).

13. Remove the grounding plate [C] from the bottom cross-piece.

14. Turn the grounding plate over.

2. Installation

15. Reattach the grounding plate with the same screws as shown.



16. Open the front door of the cover interposer tray.

17. Pull out the locking lever [A].

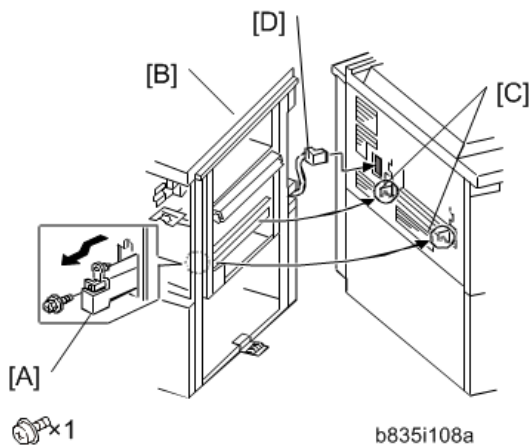
18. Align the finisher [B] with the connecting brackets [C], then slowly push the finisher onto the brackets.

19. Connect the finisher cable [D] to the copier.

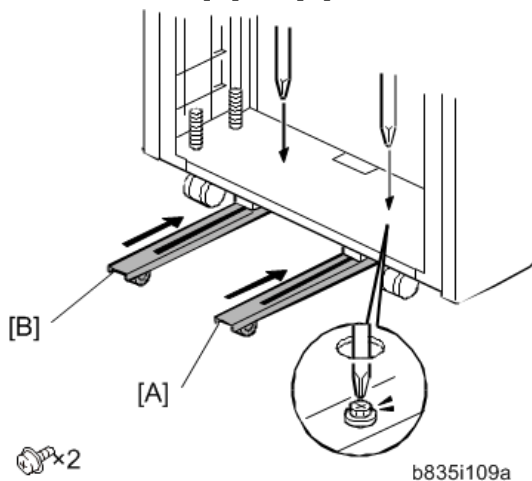
20. Push in the locking lever.

21. Check that the top edges of the finisher are parallel with edges of the finisher (or copier) to the right.

22. Fasten the locking lever [A].



23. Push the runners [A] and [B] in and re-fasten them again with the screws.



24. Close the front door.**Docking the Next Peripheral Device**

The next peripheral device to the left of the cover interposer tray must be installed before you can mount the tray unit on top of the transport unit of the cover interposer tray.

- The tray unit of the cover interposer tray is supported by the top of the next peripheral device in line to the left, as well as the transport unit of the cover interposer.
- The next peripheral device to the left of the cover interposer must be set up and docked to the cover interposer before the transport unit of the cover interposer can be mounted.

Connect the next peripheral unit now.

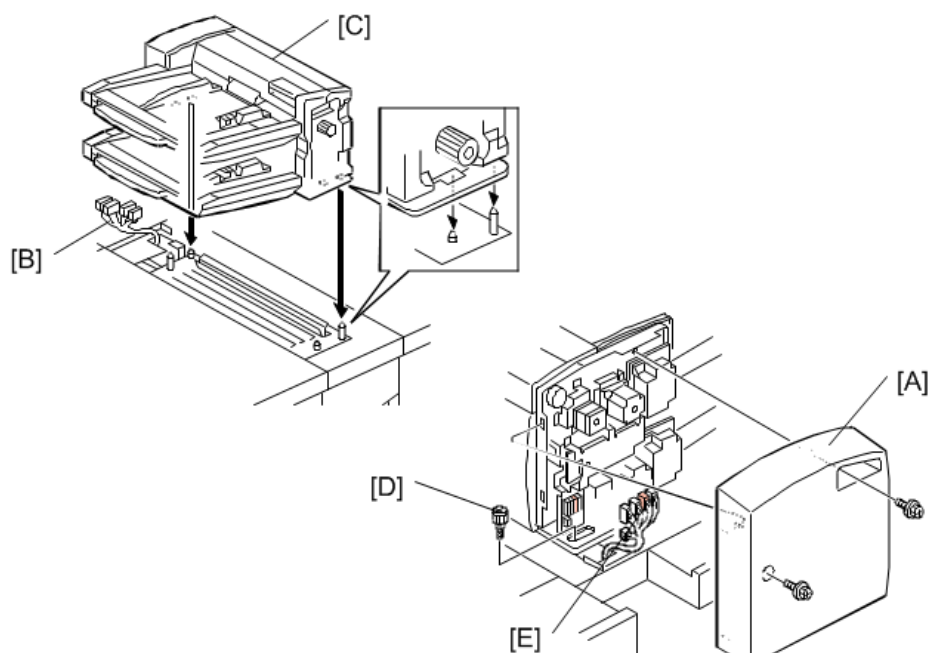
- Finisher SR4110 (Finisher SR4110 (D707) (MP C6503/C8003 Only))

⚠ CAUTION

- Never attempt to mount the cover interposer tray unit until the next device in line has been docked to the transport unit (base) of the cover interposer tray.
- To prevent bending the frame of the tray unit and damaging its alignment, always remove the tray unit from the cover interposer tray transport unit at the following times: (1) Before disconnecting either the cover interposer tray or the next peripheral device to the left, or (2) Before doing any maintenance on either the cover interposer tray or the next peripheral device to the left.

Mounting the Tray Unit

- 1.** Remove the rear cover [A].
- 2.** Confirm that the connectors [B] are free.
- 3.** Place the tray unit [C] on top of the cover interposer transport unit.
- 4.** Attach the knob screw [D].
- 5.** Connect the harness connectors [E].

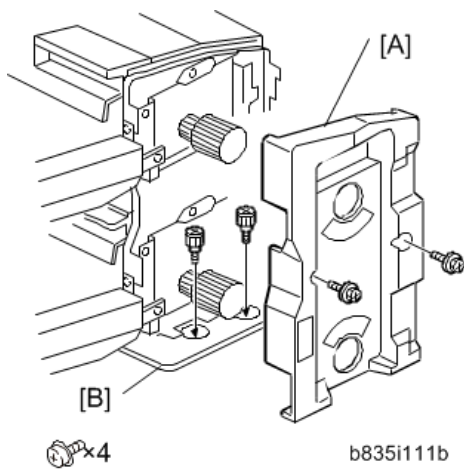


⚙️×3 📦×5

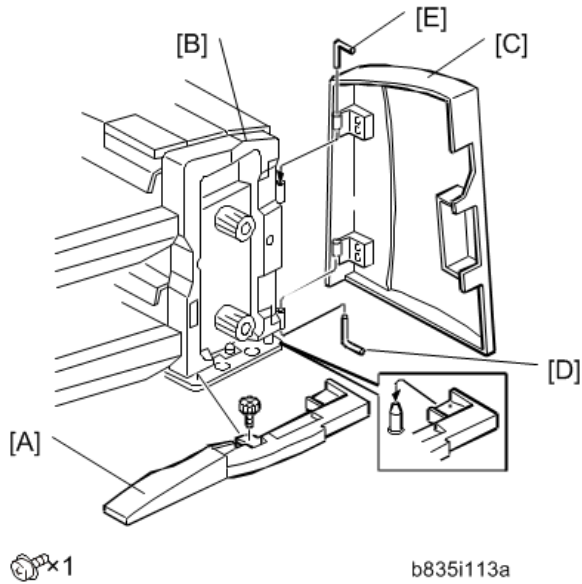
b835i112a

2.Installation

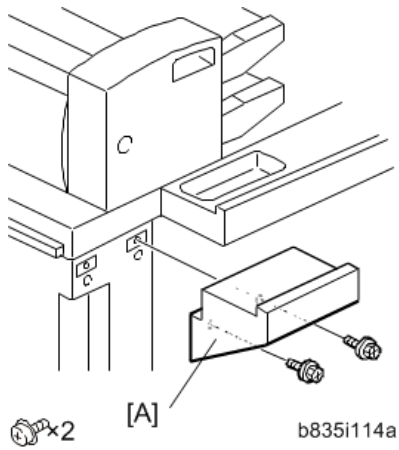
- 6.** Reattach the rear cover.
- 7.** Remove the front inner cover [A] from the dual-tray unit.
- 8.** Fasten the tray unit to the top of the transport unit with the knob screws [B] (M4x8).



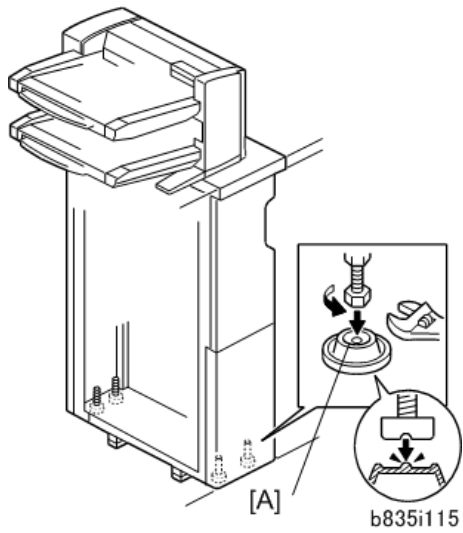
- 9.** Attach the base cover [A]. (M4x10)
- 10.** Confirm that the holes in the cover match the positions of the reference pins.
- 11.** Re-attach the front inner cover [B] (removed at step 7 above).
- 12.** Position the tray unit front door [C] so that its hinges match the posts on the frame of the tray unit.
- 13.** Hold the lower L-pin [D] as shown, insert it halfway, push it up, then rotate it into its groove.
- 14.** Hold the upper L-pin [E] as shown, insert it halfway, push it down, then rotate it into its groove.



- 15.** Attach the spacer [A] to the rear of the transport unit. (M4x12)



- 16.** Set the leveling shoes [A] (x4) under the feet.



- 17.** Turn the nuts to adjust the height of the cover interposer until it is level.

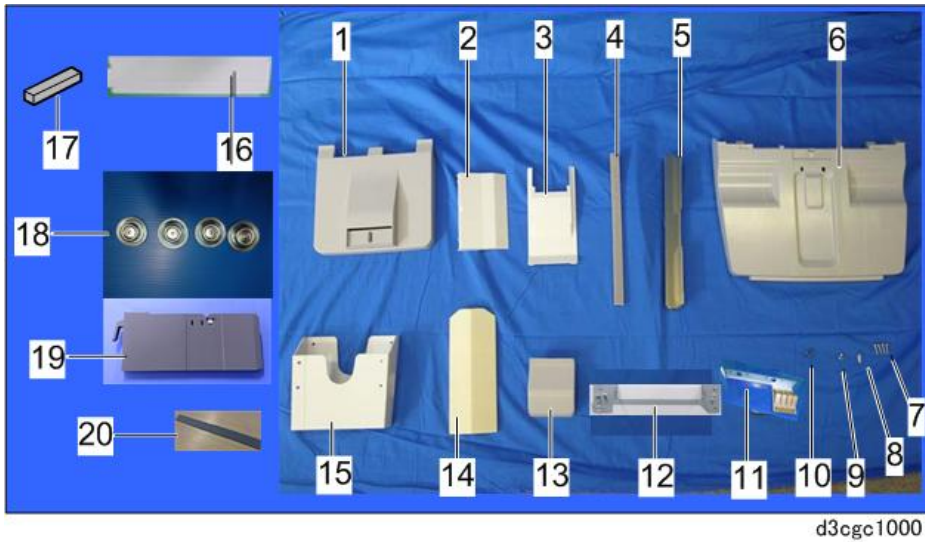
Finisher SR4120/SR4130 (D3CG/D3CH)**Note**

- You cannot install more than one finisher at the same time.

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Q'ty	
		SR4120	SR4130
1	Lower Output Tray	-	1
2	Shift Auxiliary Tray	1	1
3	Proof Auxiliary Tray	1	1
4	Sponge Strip	1	1
5	Entrance Guide Plate	1	1
6	Upper Output Tray	1	1
7	Screws M3 x 6	6	6
8	Tapping Screws	2	2
9	Screws M4 x 20	4	4
10	Screws M3 x 8	1	1
11	Ground Plate	1	1
12	Joint Bracket	1	1
13	End Fence	-	1
14	Proof Support Tray	1	1
15	Tray Holder	-	1
16	Right Upper Cover	1	1
17	Coupling Seal	1	1
18	Shoes	4	4
19	Hopper	1	1
20	Cushion	1	1
-	Caution Sheet	1	1



Installation Procedure

⚠ CAUTION

- Always turn off and unplug the machine before doing the following steps.

Tapes and Retainers

- 1.** 1. Unpack the finisher and remove all tapes and retainers from the finisher.

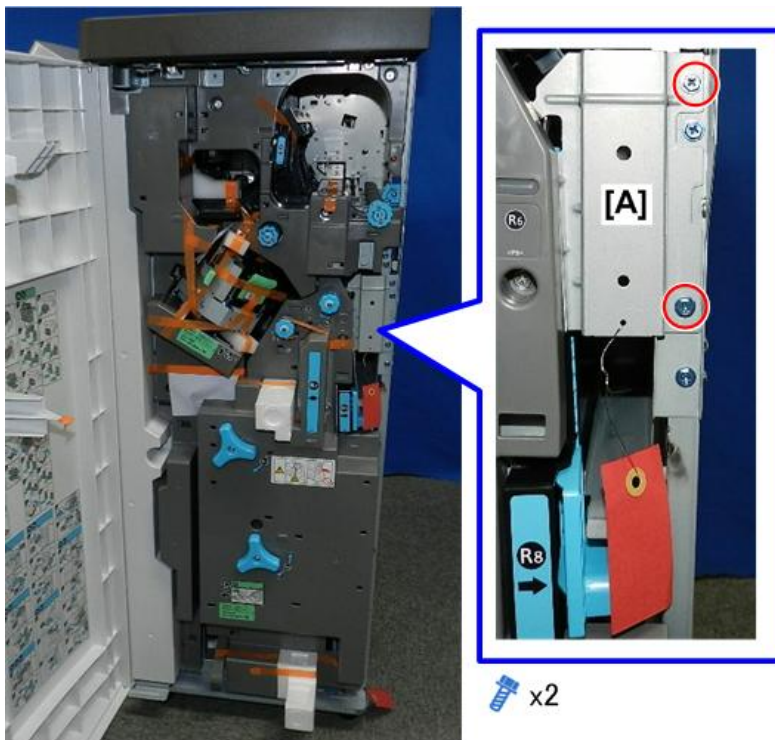


d1351186

- 2.** 2. Open the front door and remove all visible tapes and retainers.

2. Installation

3. Remove the upper bracket with the red tag attached [A].



d3cgc3129

4. Pull out the jogger unit, and then remove all remaining tapes and retainers.



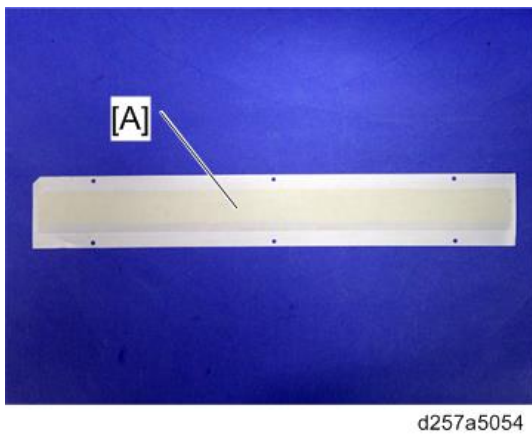
d3cgc1187

5. Remove the lower bracket with the red tag attached [A].



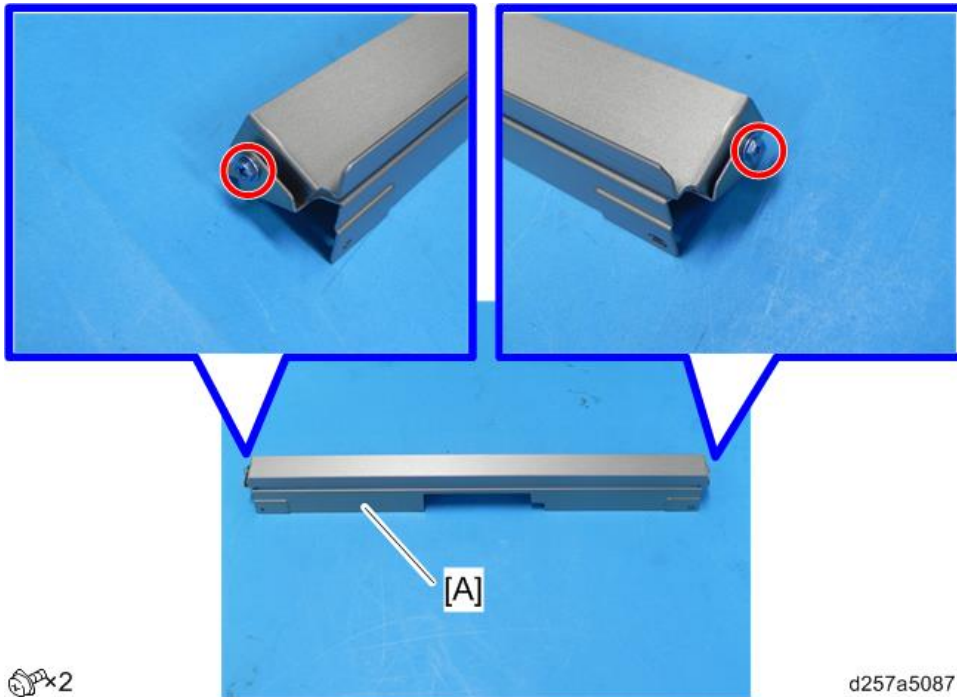
Preparing the Finisher

1. If the upstream device is the main machine, prepare the guide sheet [A] provided with the main machine.
If the upstream device is not the main machine, proceed to step 5.

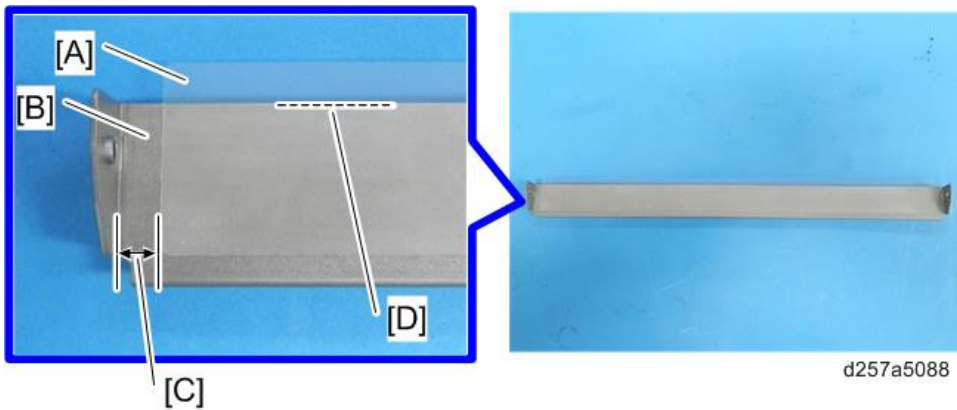


2. Installation

2. Divide the entrance guide plate [A] into two parts.



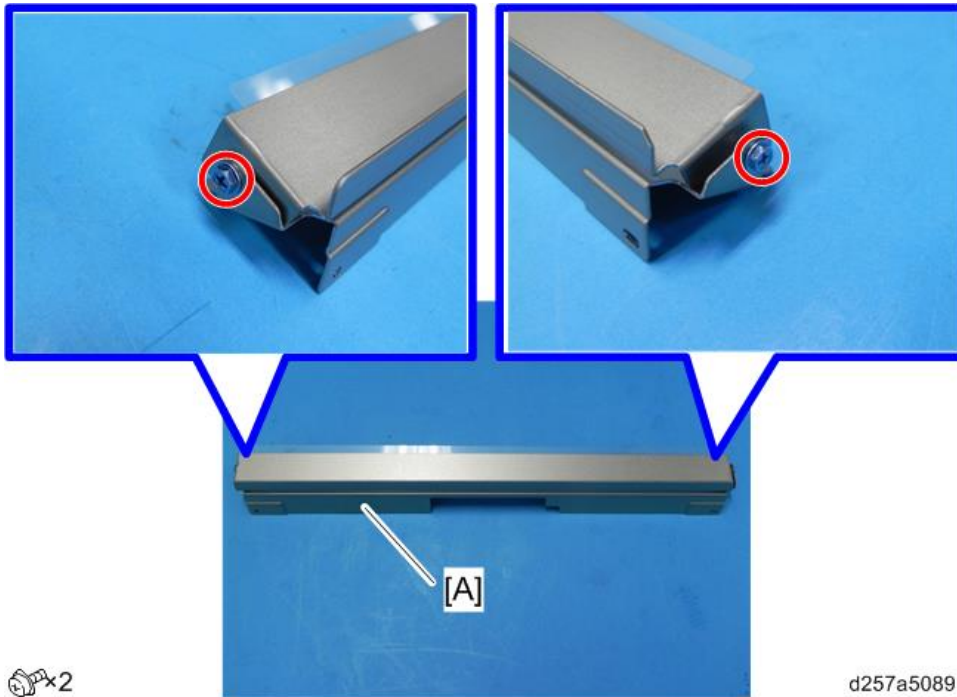
3. Remove the release paper from the guide sheet [A], and attach the guide sheet to the side of the upper entrance guide plate [B] which will become the inner side when assembled.



[C]: Position the edge of the guide sheet 5 mm inside from the edge of the upper entrance guide plate.

[D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

4. Reassemble the entrance guide plate [A].



5. Install the entrance guide plate [A] on the right side of the finisher.

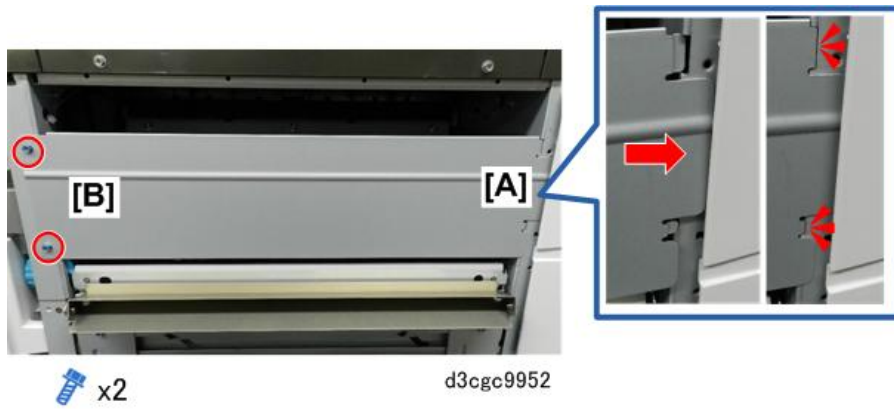


6. Do not attach the right upper cover if you are going to install Cover Interposer Tray CI4020 (D712).

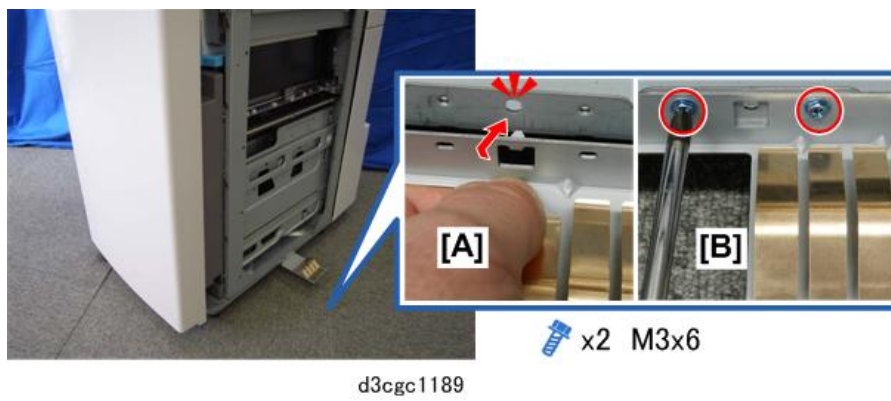
-or-

Set the tabs of the right upper cover [A] at the right rear corner of the finisher, and then attach the cover at the front [B].

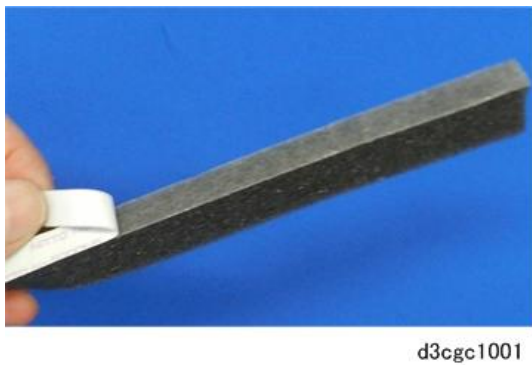
2.Installation



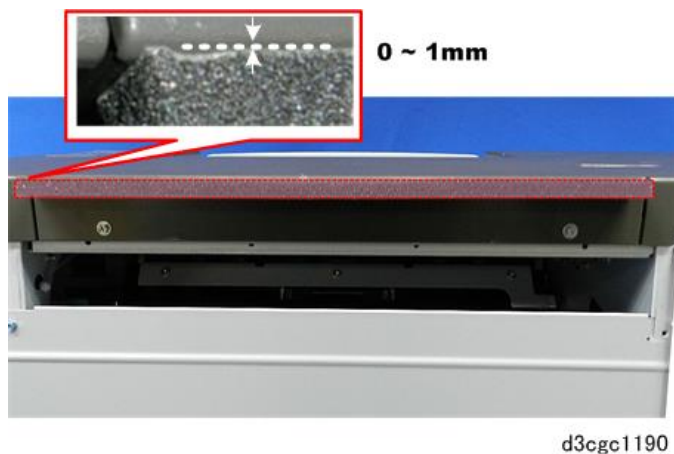
- 7.** Hook the grounding plate [A] onto the right bottom edge of the finisher, and then attach it [B] with the screws.



- 8.** Peel the tape from the large sponge strip.

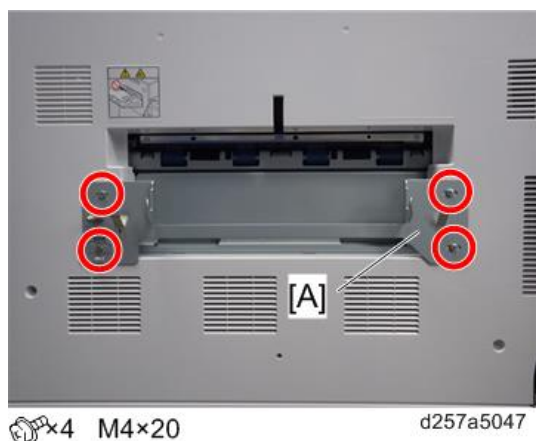


9. Attach the strip to the right top edge of the finisher so that it is 0 to 1 mm from the top edge.

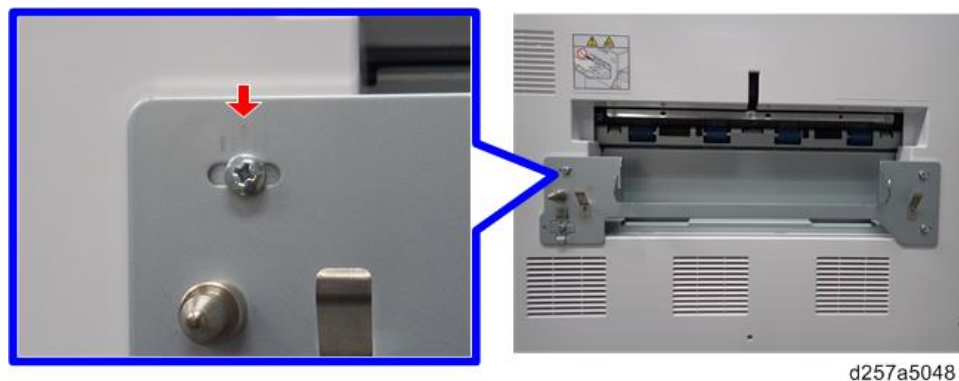


Preparing the Main Machine

1. Use the long screws to loosely attach the connecting bracket [A] to the left side of the main machine. Do not tighten these screws.

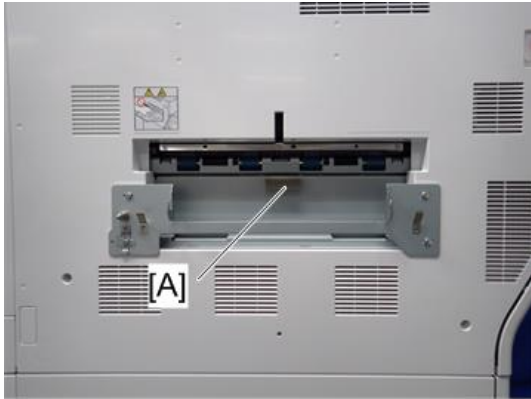


2. With the connecting bracket floating freely on the loose screws, move the bracket to position screw [B] so that it is centered exactly below the long line on the scale. Then tighten the four screws.



2. Installation

3. Peel the tape from the coupling seal, and then attach it to the left side of the main machine between the exit rollers.



d257a5049

4. Remove the connector cover [A] on the rear left side of the main machine.

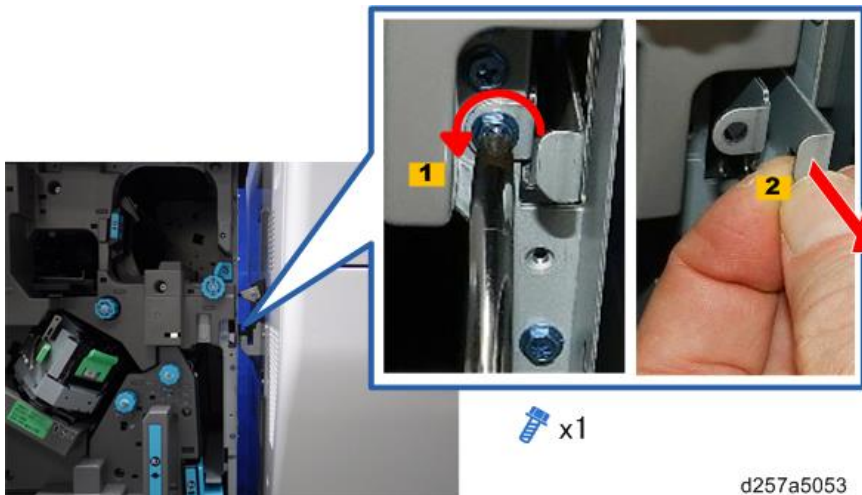


d257a5052

5. Push the finisher close to the left side of the main machine.

Docking the Finisher

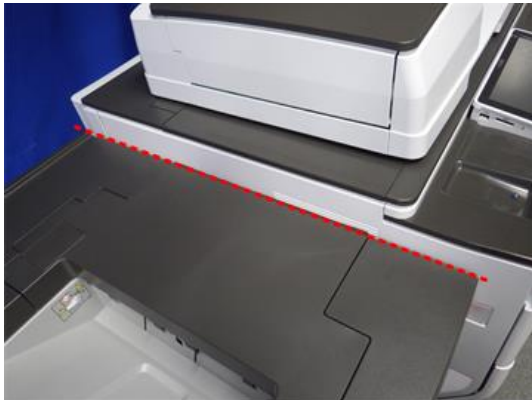
1. Disconnect the lock bar by removing the screw [1], and then pull the lock bar [2] out until it stops.



d257a5053

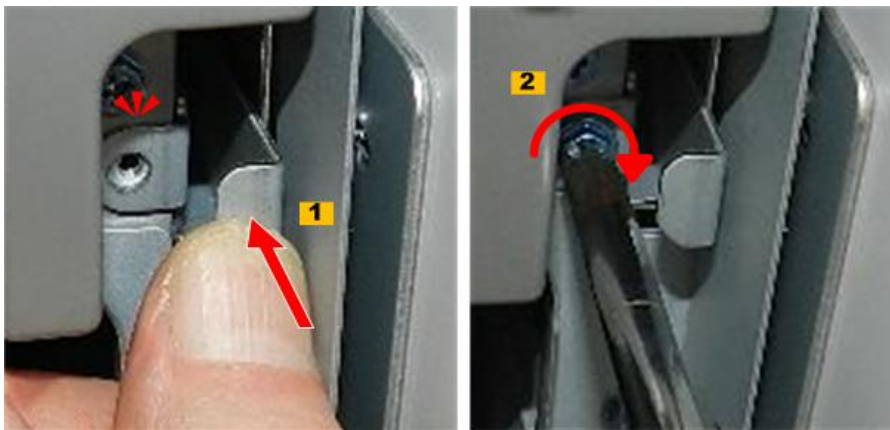
2. Push the finisher against the side of the main machine.

- 3.** Confirm that the gap between finisher and main machine is tight and perfectly even.



d257a5050

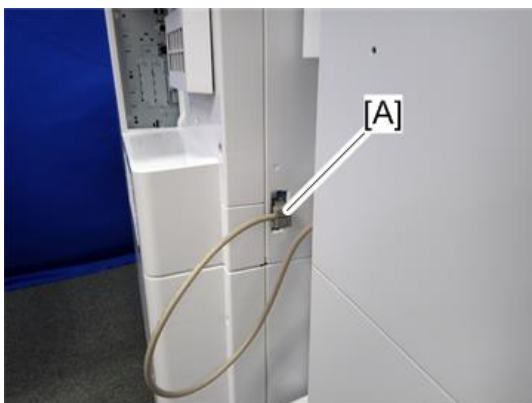
- 4.** Firmly push the lock bar [1] in until it stops, and then fasten screw [2].



 X1

d3cgc1195

- 5.** Connect the finisher connector to the machine.



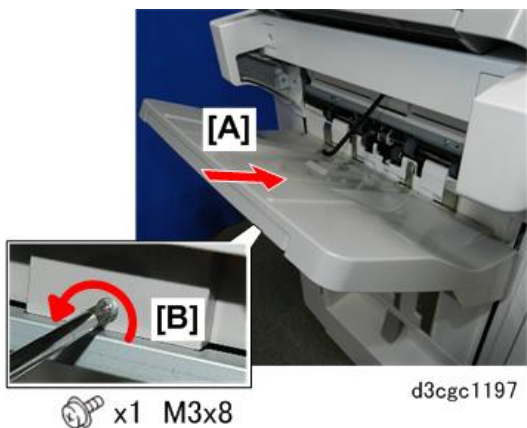
 x1

d257a5051

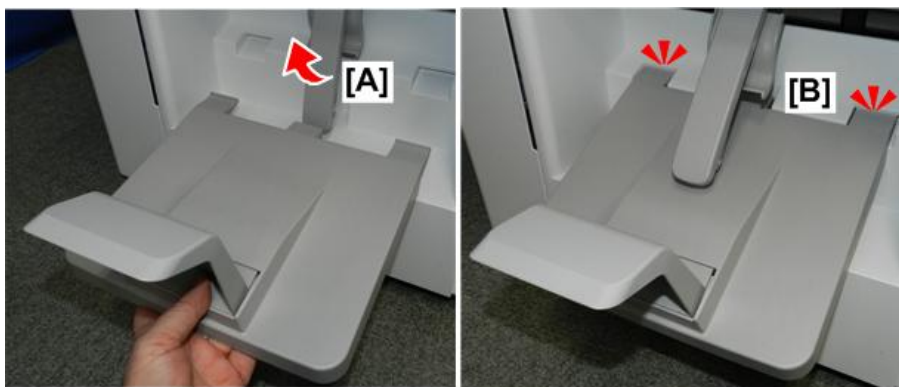
- 6.** Close the front door of the finisher.

2. Installation

7. Set the upper output tray [A], and then attach screw [B] under the tray.

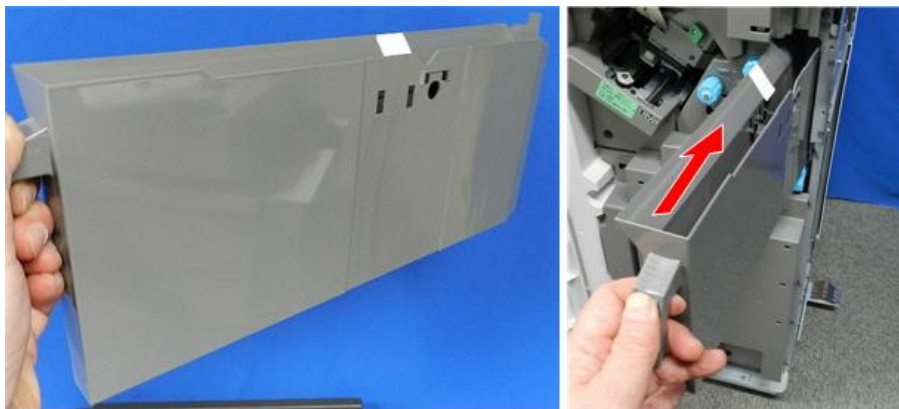


8. If you are installing Booklet Finisher SR4130, raise feeler arm [A], and then set the back edge of the tray [B] into the slots. (No screws.)



d3cgc1198

9. Install the hopper.



d3cgc1006

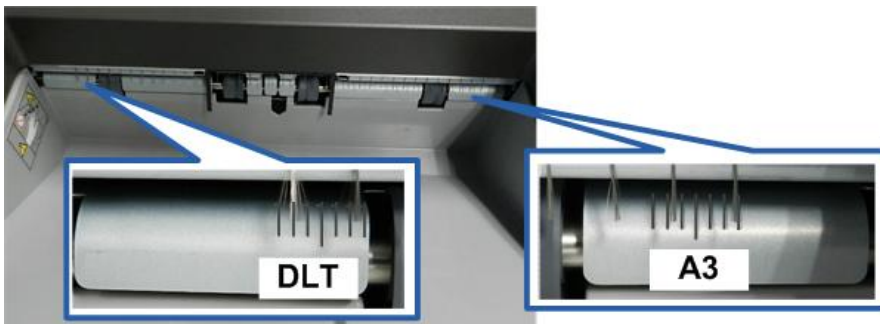
- 10.** If the floor is uneven, you may want to use the four accessory shoes to level the machine with the four bolts and locknuts under the finisher.



d3cgc1007

Checking the Installation

- 1.** Turn ON the main machine.
- 2.** Print out five A3 or DLT sheets to the proof tray and check the side-to-side registration.
- 3.** For DLT paper, watch the scale above the rear exit roller.
-or-
For A3 paper, watch the scale above the front exit roller.



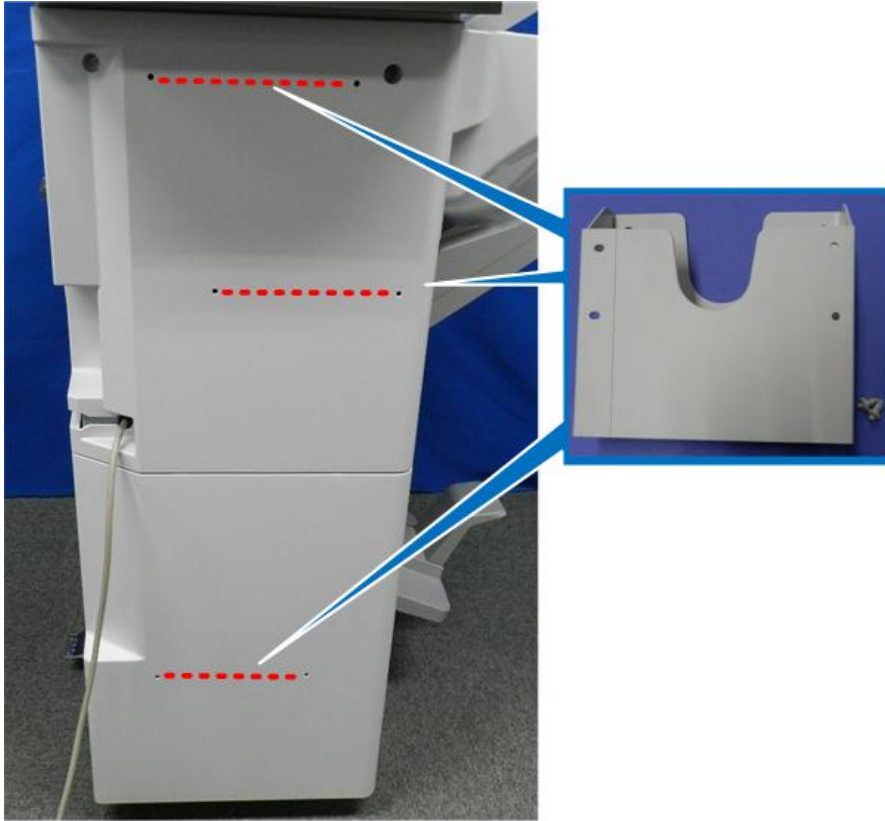
d3cgc3121

- If you see the edge of the paper at the center mark on the scale, the paper is aligned correctly.
 - If you see the edge of the paper at any mark to the right of center, the paper is shifting toward the front of the machine.
 - If you see the paper at a mark to the left of center, the paper is shifting toward the rear of the machine.
- 4.** If side-to-side registration is still shifting to either the rear or front of the machine, correct it. (Skew and Side-to-Side Registration)
 - 5.** Print out some sheets with center-folding and make sure that the sheets are folded evenly into equal halves.
 - 6.** If the center folding is not aligned, correct it. (Booklet Finisher Center Fold Correction)

2. Installation

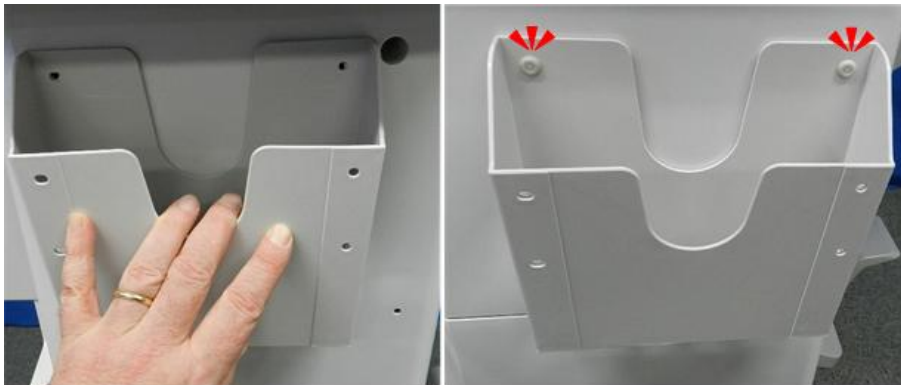
Auxiliary Trays

- 1.** Choose one of the three pairs of holes on the back of the finisher for installing the auxiliary tray holder.



d3cgc1002

- 2.** Position the holder at the selected holes, and then push in the plastic rivets.



d3cgc1003

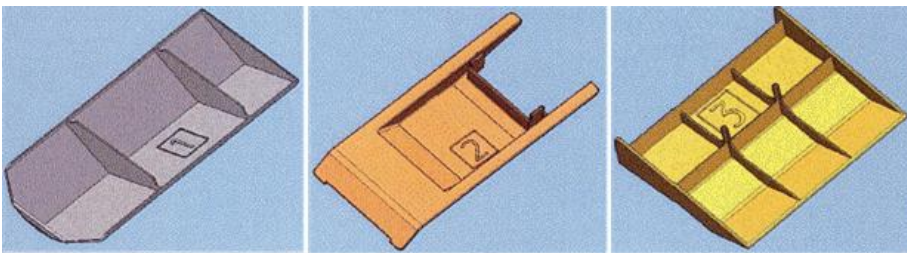
3. Set the trays in the holder.



d3cgc1004

Using Auxiliary Trays

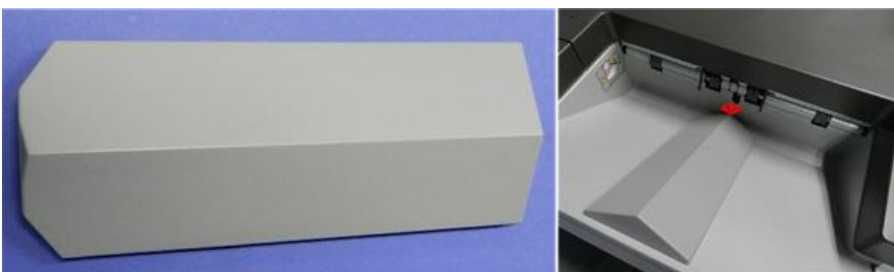
The trailing edges of excessively curled or Z-folded paper can activate the tray full sensors before the tray is actually full. When this occurs and the "Exit Tray Full" message appears, the job stops and cannot continue until some sheets are removed from the tray even though it is only partially full. The auxiliary trays, numbered [1], [2], and [3] on their undersides, are designed to prevent this problem.



d3cgc1005

Proof Support Tray (No. 1)

Set auxiliary tray 1 on the proof tray when using thin or soft paper that may not exit completely and may interfere with the tray full sensor.



d3cgc1199

Proof Auxiliary Tray (No. 2)

When using Z-folded paper or small-sized low-stiffness paper or short grain paper, the curl of the paper may cause the tray full sensor to signal tray full before the tray is actually full.

2.Installation



d223c8210

Set auxiliary tray 2 on the proof tray to prevent this.

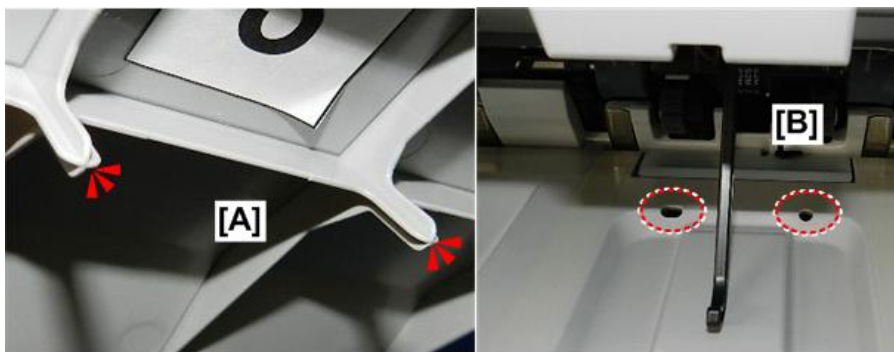


d3cgc1650

Shift Auxiliary Tray (No. 3)

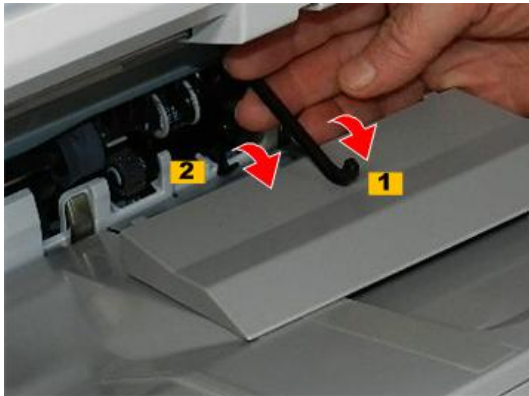
Set auxiliary tray 3 only when the Multi-Folding Unit is installed, especially when working with Z-folded paper.

- 1.** The pegs [A] on the bottom of this tray fit into the holes in the shift tray [B].



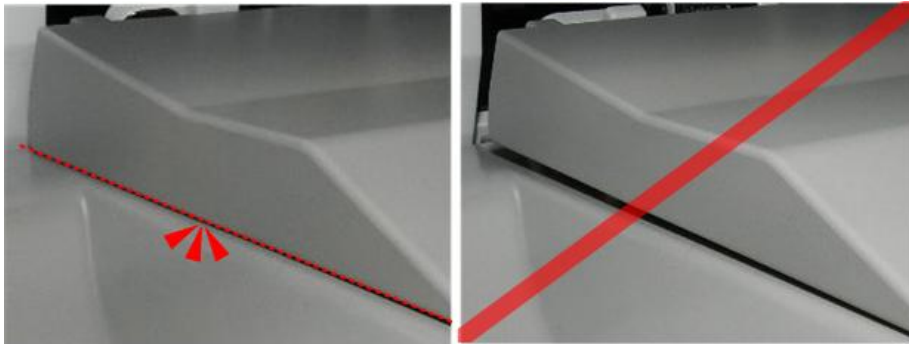
d223c8207

- 2.** When you set the tray, position feelers [1] and [2] on top of the tray.



d223c8208

- 3.** Confirm that the tray is perfectly flat on the shift tray below. There should be no gap between the trays.



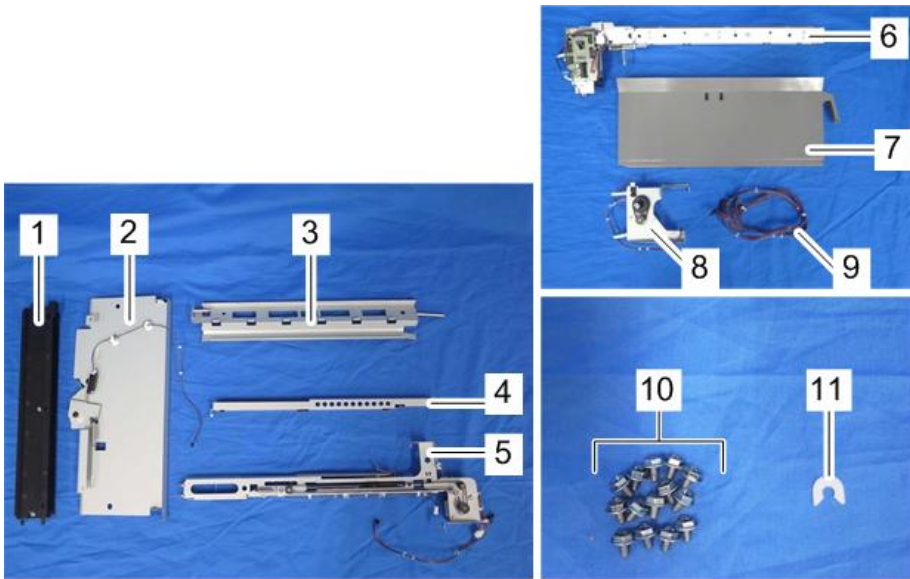
d223c8209

Punch Unit PU3060 (D706)

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Paper Chip Guide	1
2	Hopper Bracket	1
3	Punch Unit Slide Stay	1
4	Registration Guide Plate	1
5	Registration Sensor Bracket	1
6	Punch Unit	1
7	Punch Waste Hopper	1
8	Stepper Motor Bracket	1
9	Harness Connector Cable-PCB	1
10	Tapping Screw (M3 x 6)	14
11	E-ring	1



d1351675

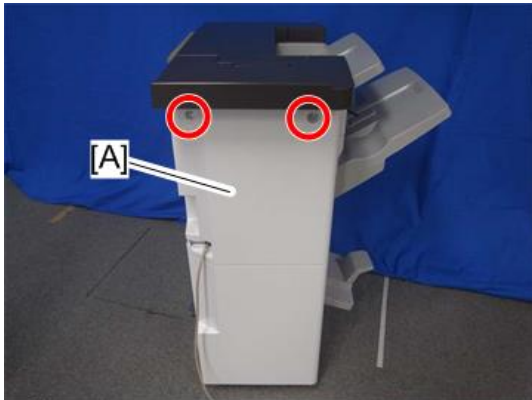
Installation Procedure

⚠ CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

- 1.** If the finisher is connected to the machine, disconnect it.
- 2.** If the finisher is installed on the machine, remove it.

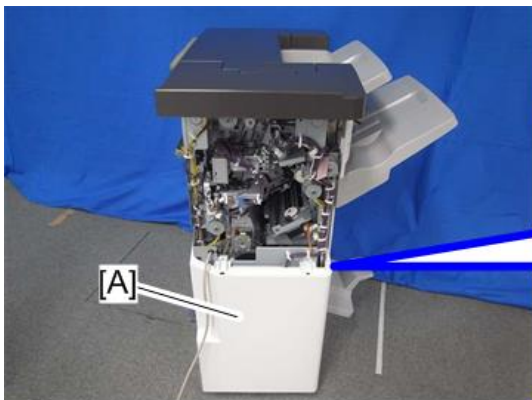
3. Remove the rear upper cover [A] of the finisher.



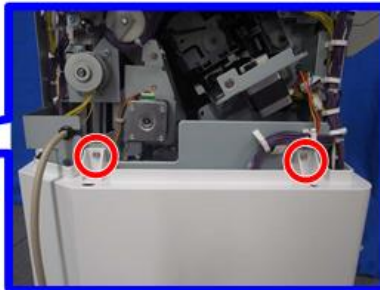
⊗x2

d1351253a

4. Remove the rear lower cover [A] of the finisher.



⊗x2

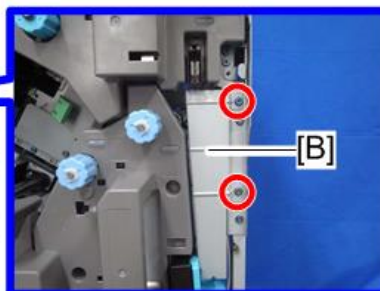


d1351254a

5. Open the front door [A], and then remove the punch hopper bracket [B].



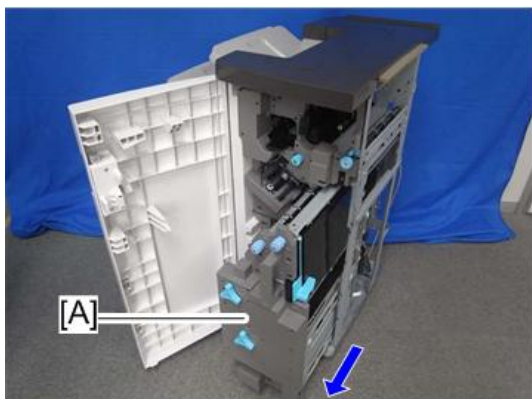
⊗x2



d1351676a

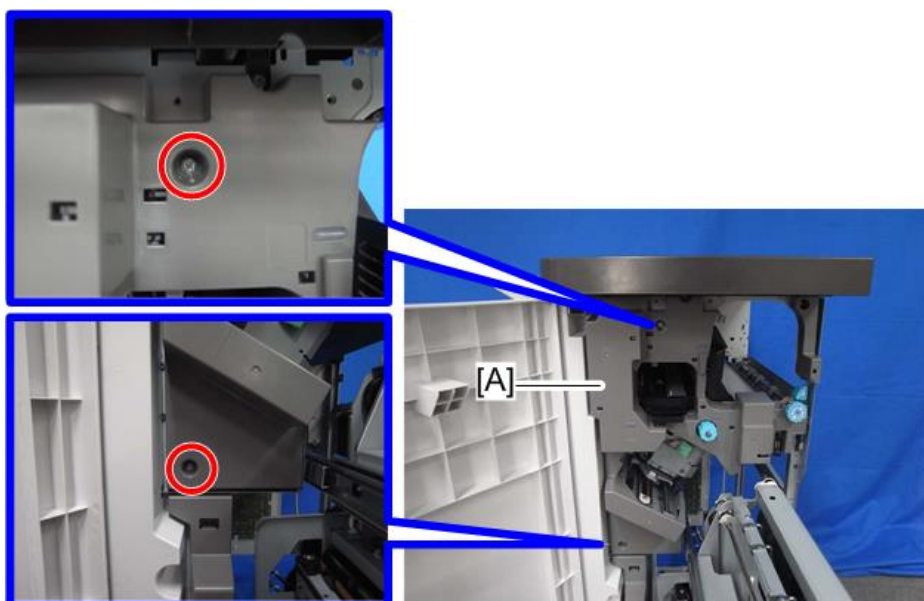
2. Installation

6. Pull out the stapler unit [A]. (Booklet Finisher SR4130 (D3CH) only)



d1351677

7. Remove the inner upper cover [A] from the front side of the finisher.



d1351678a

⊗x2

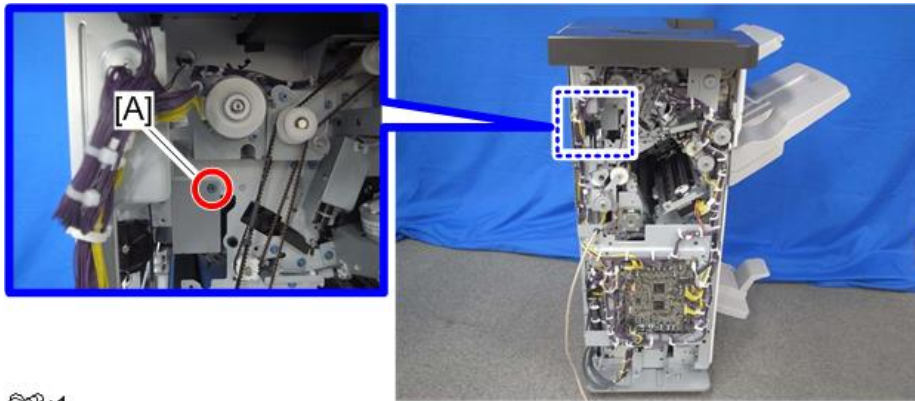
Note

- Disconnect the harness from the back side of the inner upper cover when you remove the inner upper cover.



d1351679

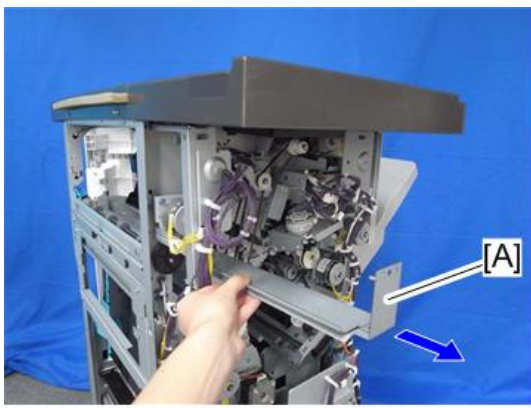
- 8.** Remove screw [A] of the transport guide plate from the rear side of the finisher.



 x1

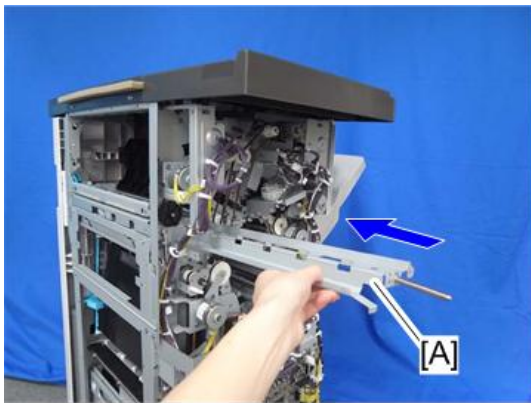
d1351680a

- 9.** Remove the transport guide plate [A].



d1351681

- 10.** Install the punch unit slide stay [A] from the rear side of the finisher.

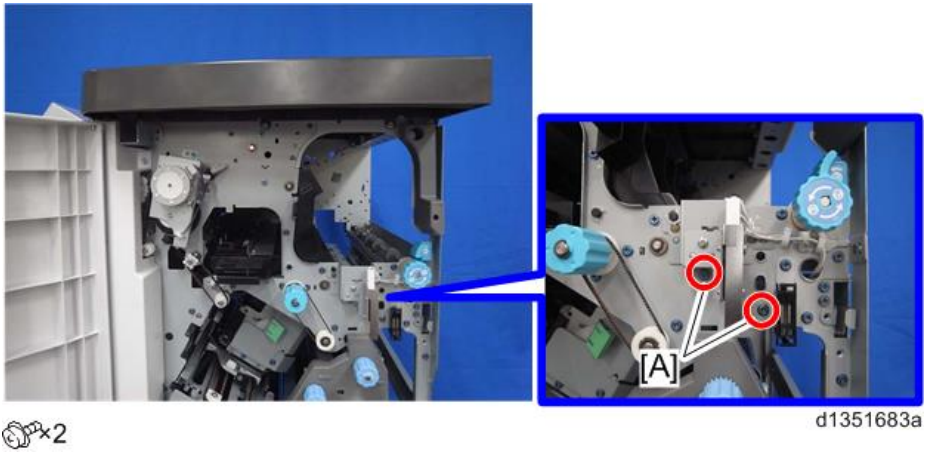


d1351682

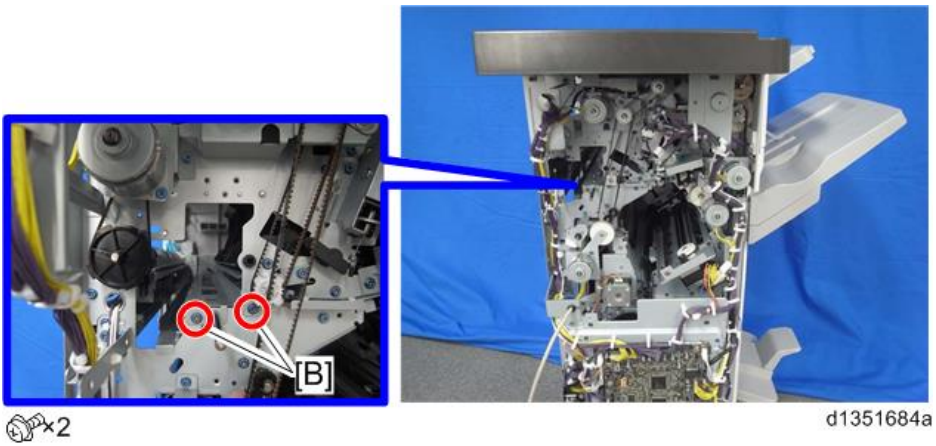
- 11.** Fasten the punch unit slide stay. (Front side [A], Rear side [B])

2.Installation

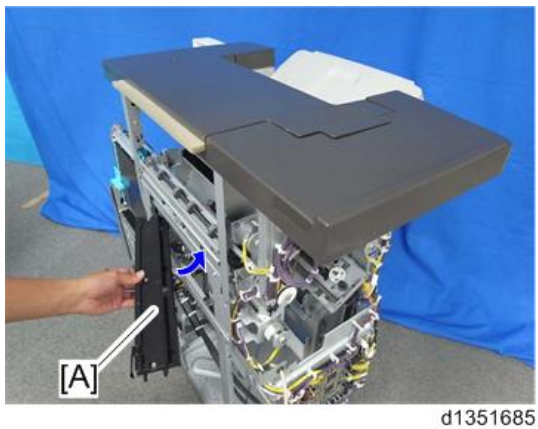
- Front side:



- Rear side:



- 12.** Insert the paper chip guide [A] into the finisher as shown below.

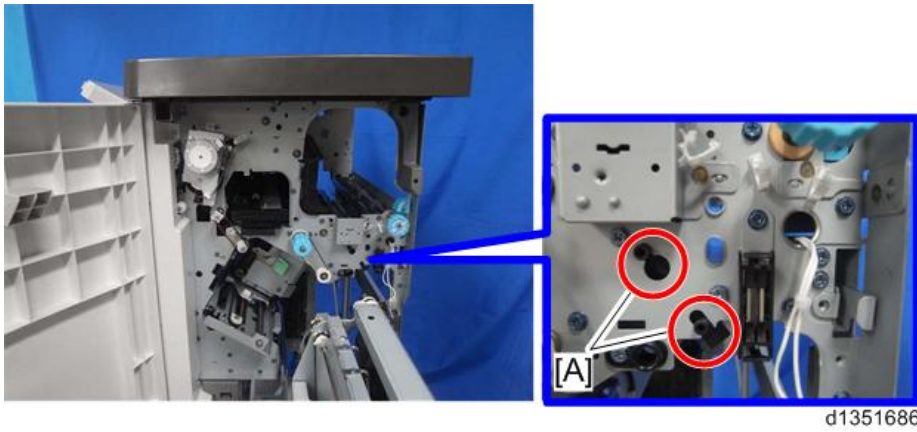


- 13.** Install the paper chip guide. (Front side [A]: hook x 2, Rear side [B]: hook x 2, snap ring x 1)

Note

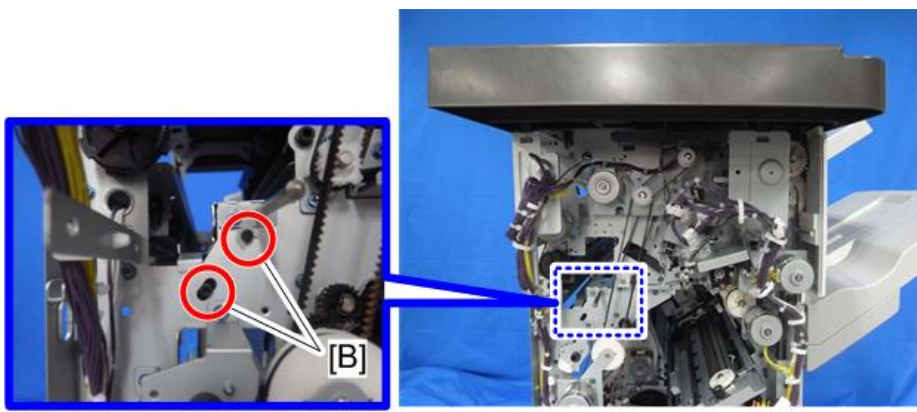
- Hook the paper chip guide onto the front side of the finisher first, and then hook it onto the rear side of the finisher.

- Front side:



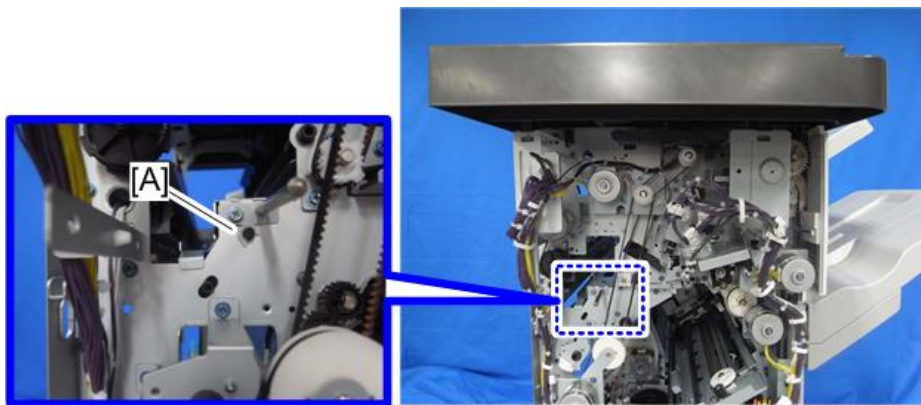
d1351686

- Rear side:



d1351687

- 14.** Fasten the paper chip guide with an E-ring at the rear side of the finisher. (snap ring x 1)

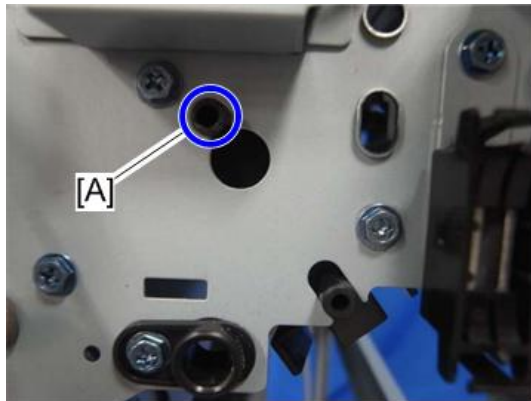


d1351688

2.Installation

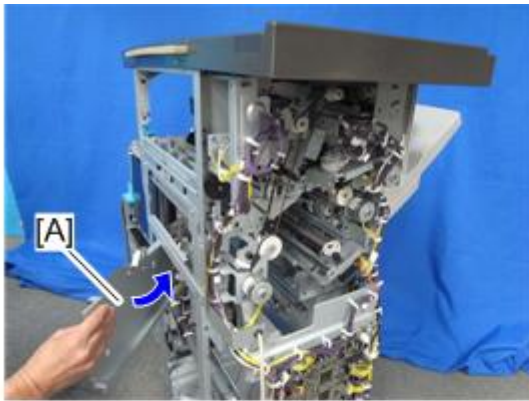
Note

- When fastening the paper chip guide with the snap ring, make sure the front side of the paper chip guide is hooked into the slot with the small diameter [A].



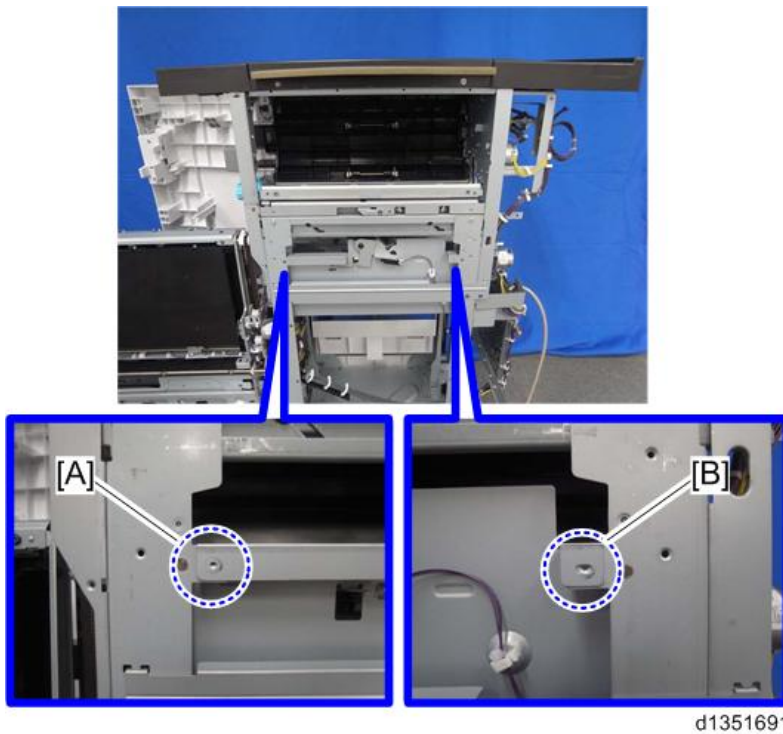
d1351689

- 15.** Insert the hopper bracket [A] into the finisher as shown below.



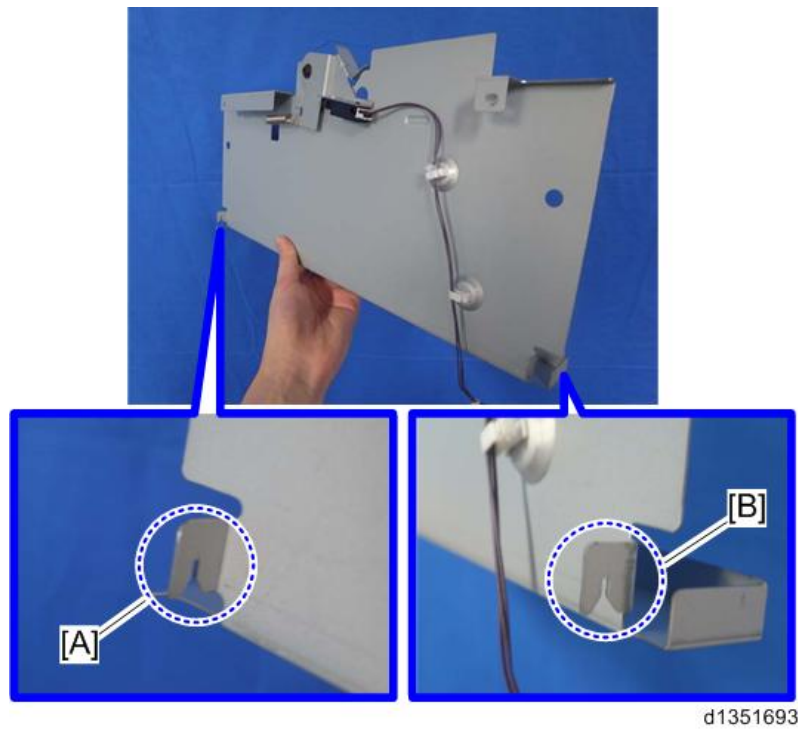
d1351690

16. Hook the hopper bracket onto the frame [A] [B] of the finisher.



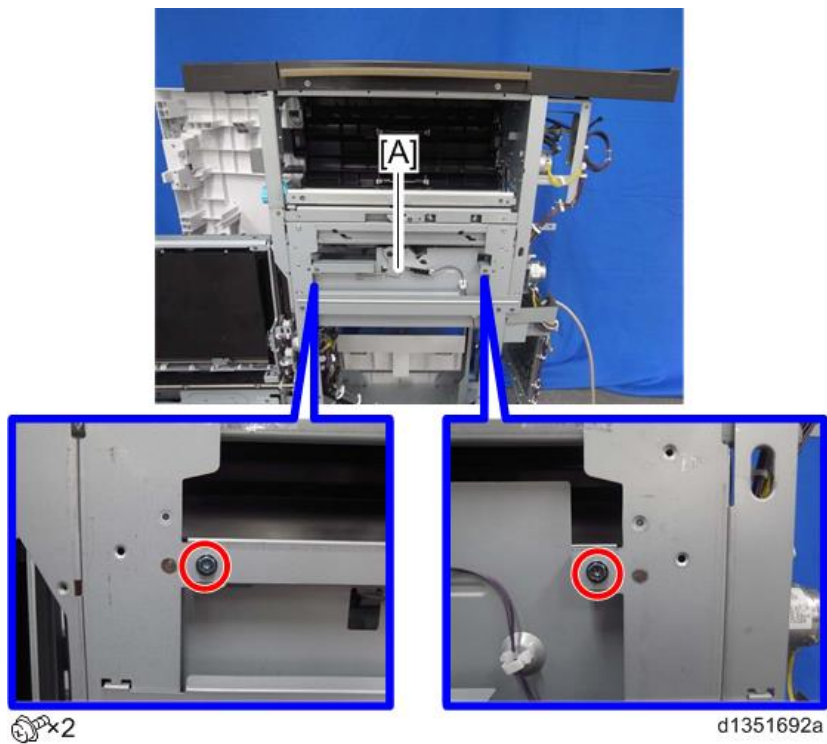
Note

- Make sure the hooks [A] and [B] of the hopper bracket are also hooked onto the finisher.

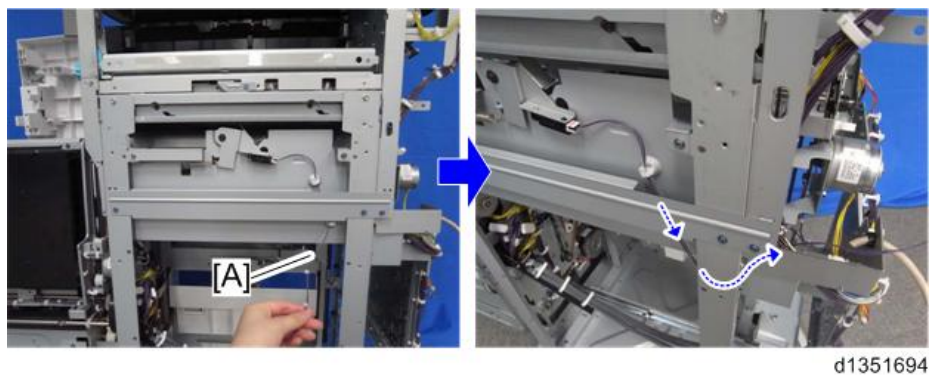


2. Installation

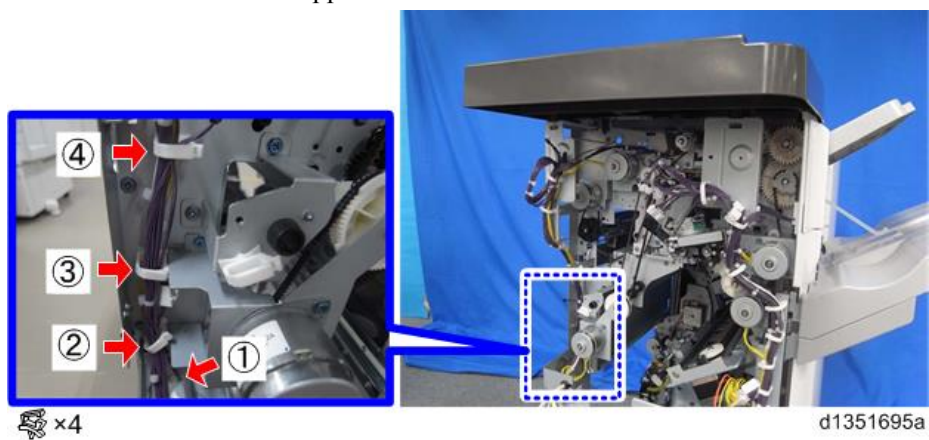
- 17.** Fasten the hopper bracket [A].



- 18.** Route the harness of the hopper bracket [A] inside the finisher as shown.



- 19.** Route the harness of the hopper bracket to the rear side of the finisher.



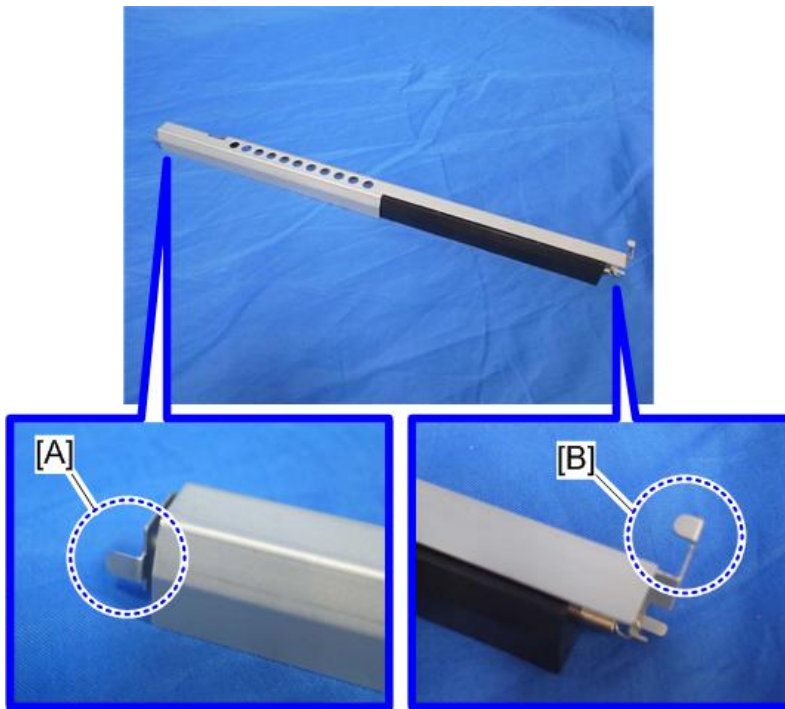
20. Insert the registration guide plate [A] from the rear side of the finisher.



d1351696

Note

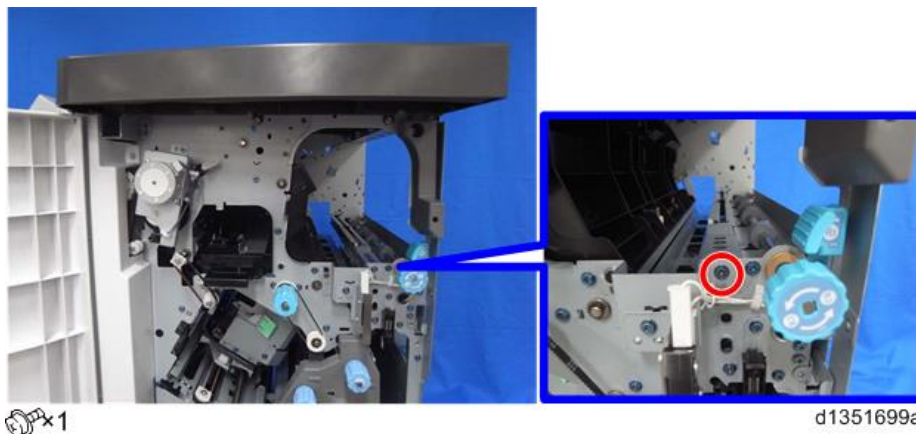
- Hook [A] and [B] of the registration guide plate into the slotted holes of the finisher.



d1351697

21. Fasten the registration guide plate.

- Front side:

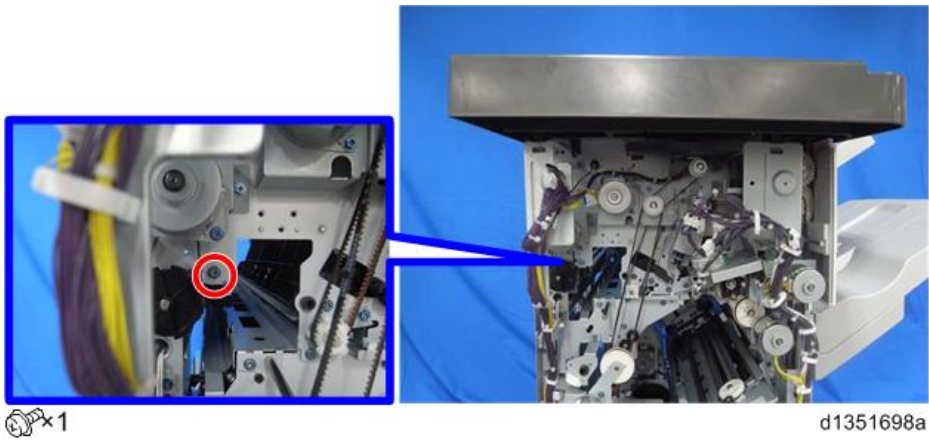


 x1

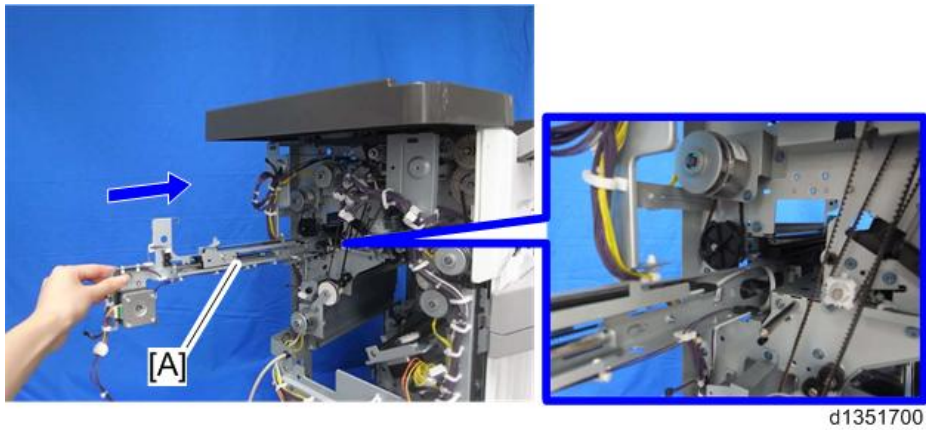
d1351699a

2.Installation

- Rear side:

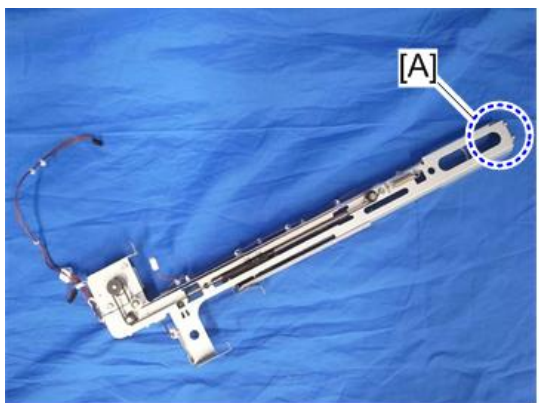


22. Insert the registration sensor bracket from the rear side of the finisher.

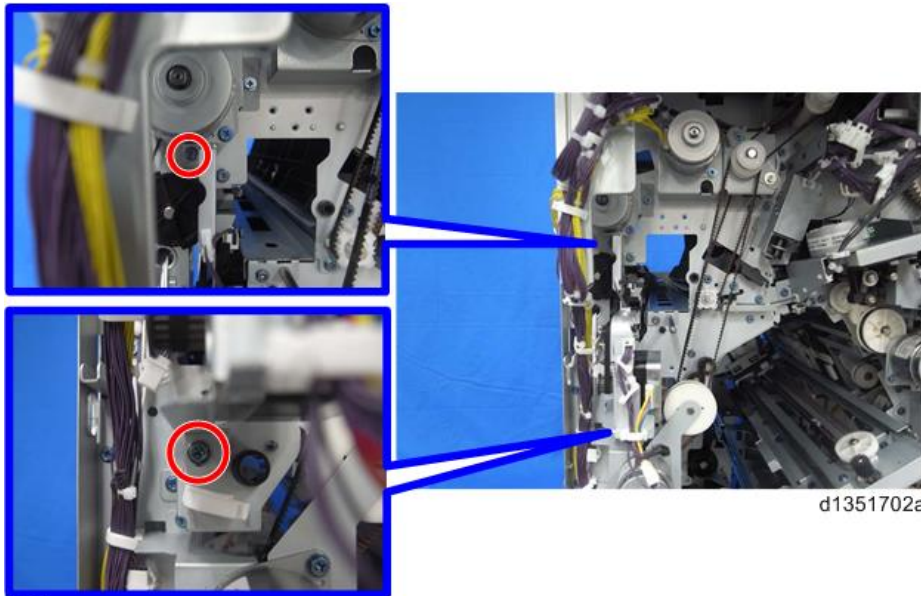


Note

- Hook [A] of the registration sensor bracket into the slotted holes of the finisher.

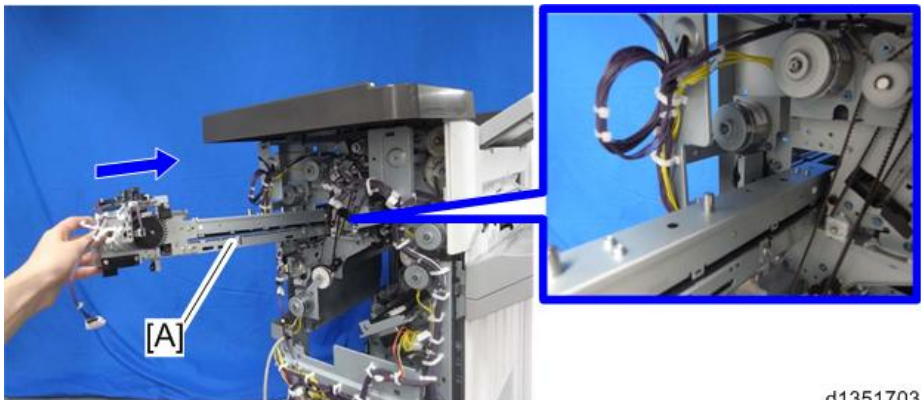


23. Fasten the registration sensor bracket.



 x2

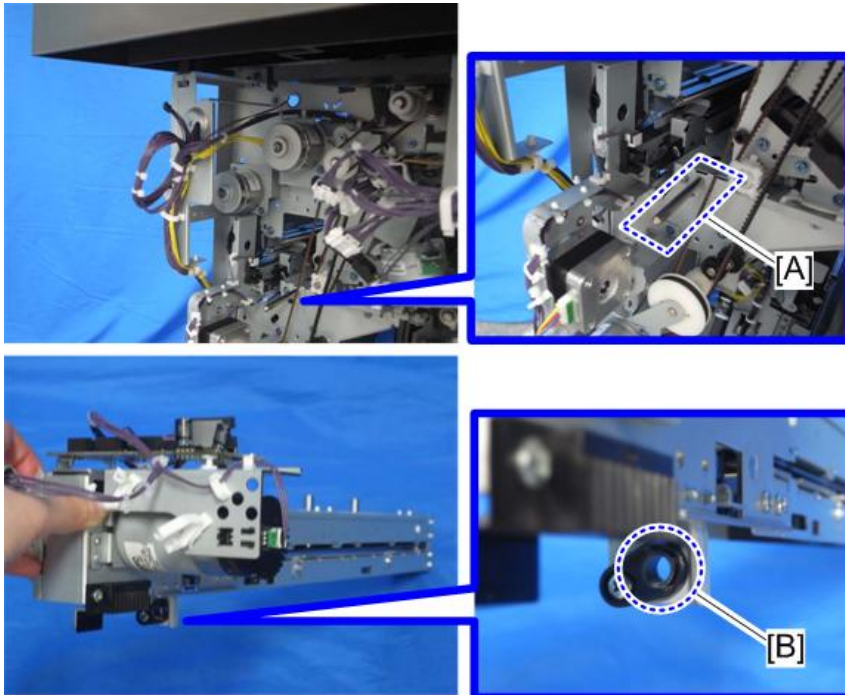
24. Insert the punch unit [A] from the rear side of the finisher.



2.Installation

Note

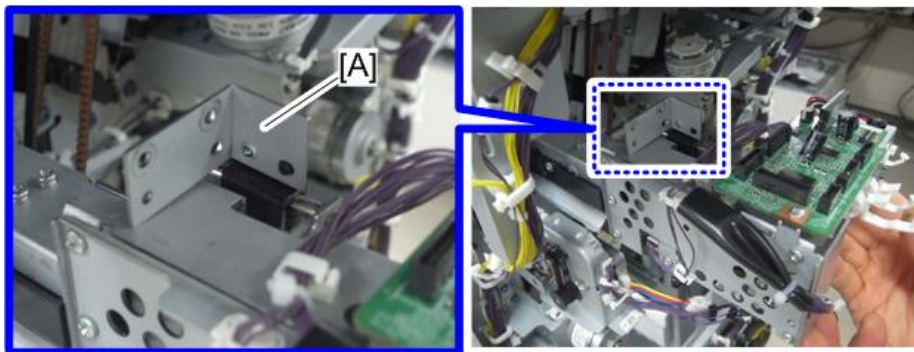
- Make sure the shaft [A] on the finisher is inserted into the punch unit [B].



d1351704

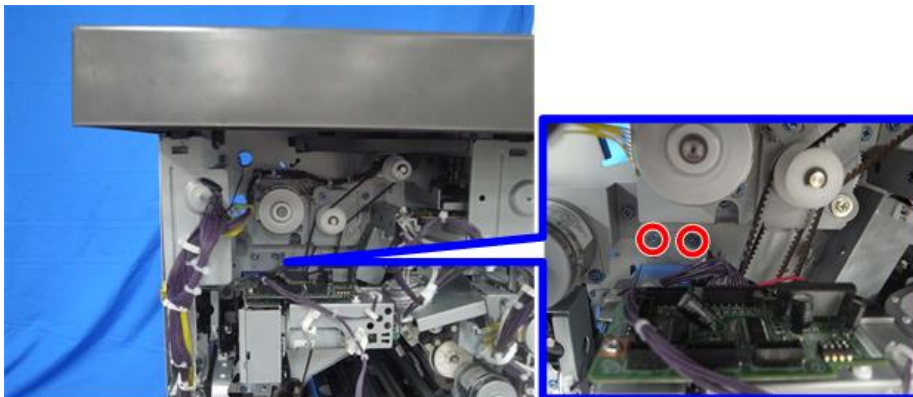
Note

- When inserting the punch unit, make sure the bracket [A] of the punch unit is in the right position as shown below.



d1351916

25. Fasten the punch unit. (rear side)

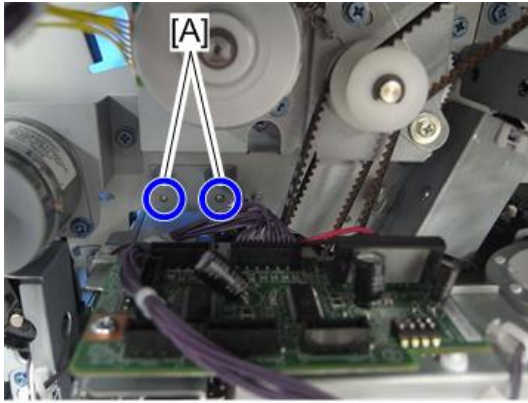


 x2

d1351705a

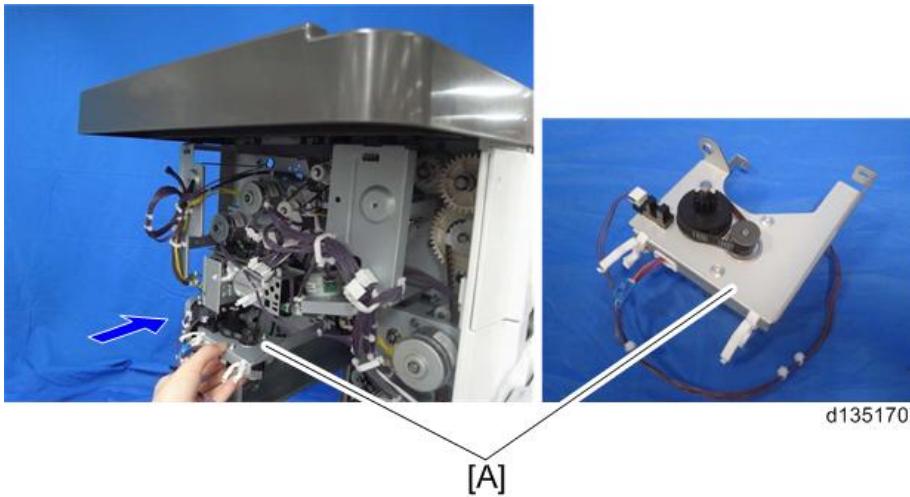
Note

- Make sure the bracket of the punch unit fits the embossed parts [A] on the finisher.



d1351706

26. Install the stepper motor bracket [A] from the rear side of the finisher.

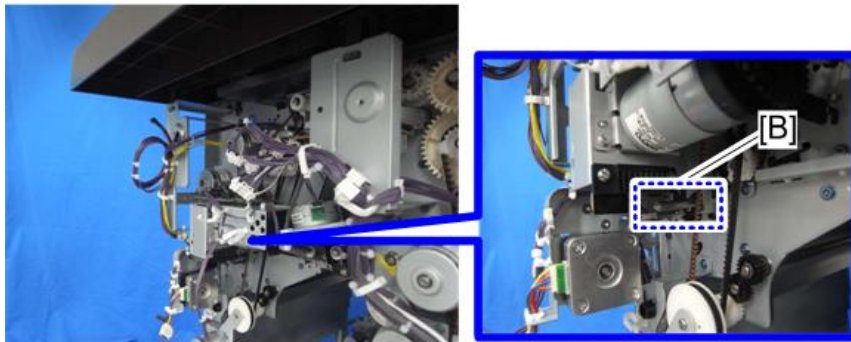
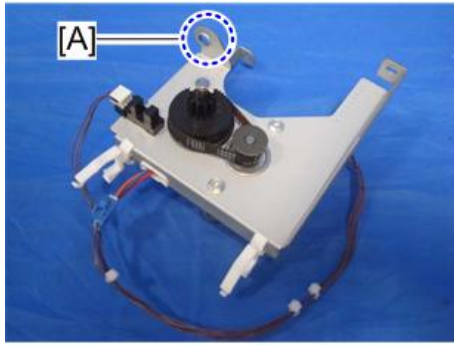


d1351707

Note

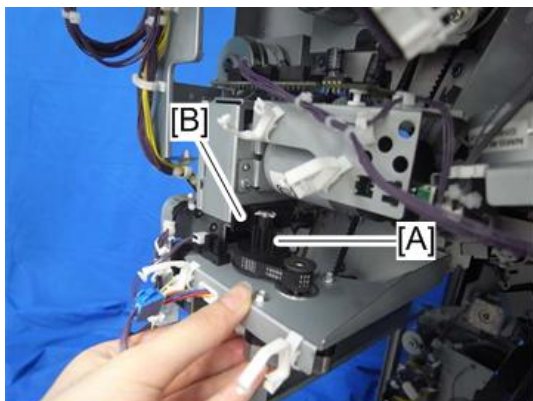
Fit the hole [A] of the stepper motor bracket over the shaft [B] on the rear side of the finisher.

2.Installation



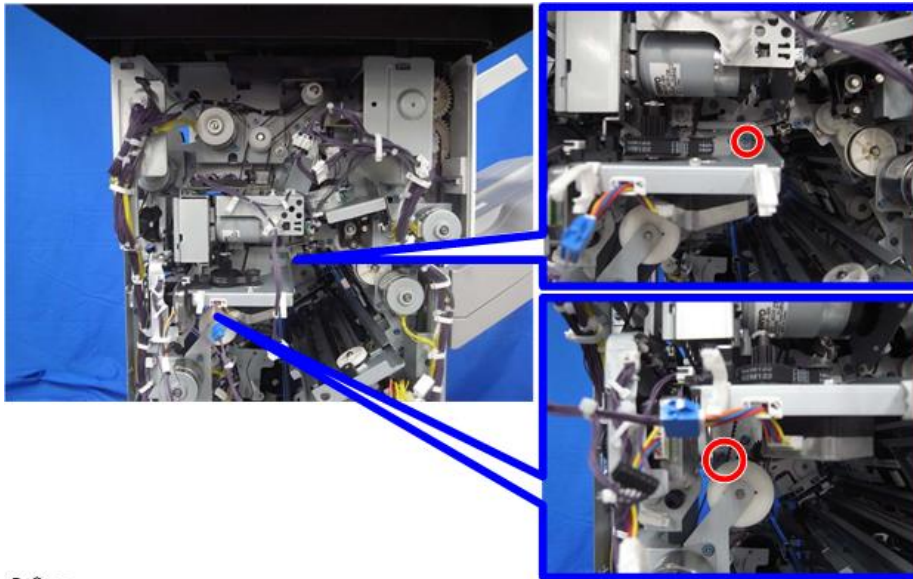
d1351708

Make sure the rack [A] of the punch unit is engaging with the pinion [B] of the stepper motor bracket when you insert the stepper motor bracket.



d1351709

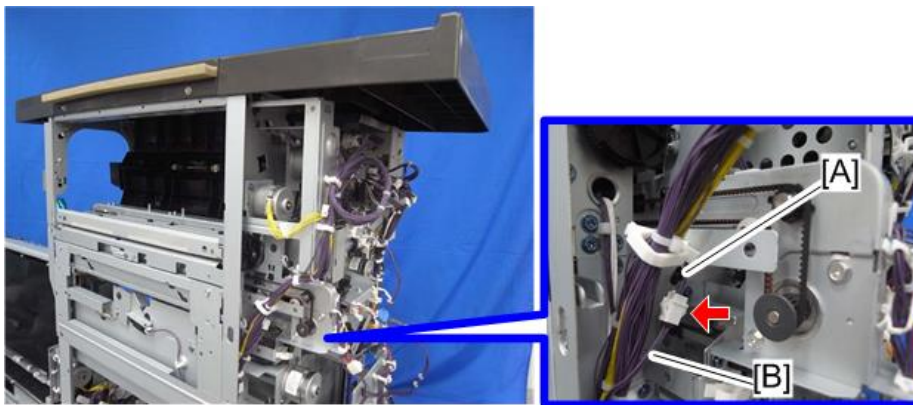
27. Fasten the stepper motor bracket.



 x2

d1351710a

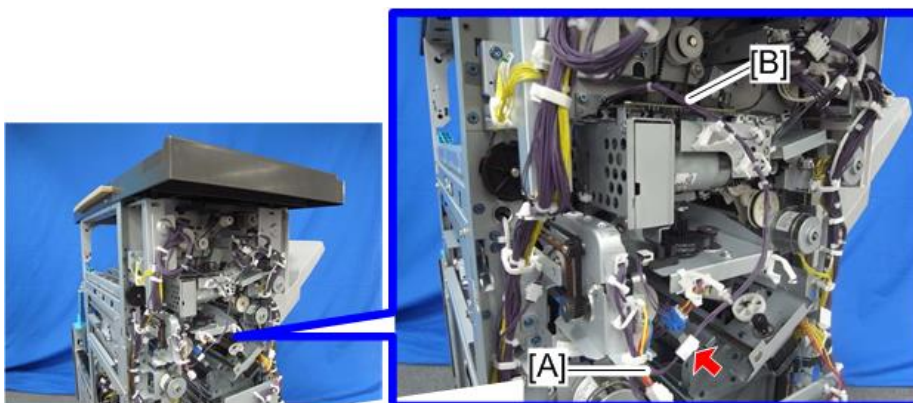
28. Connect the harness [A] of the registration sensor bracket to the harness [B] from the hopper bracket.



 x1

d1351711a

29. Connect the harness [A] of the registration sensor bracket to the harness [B] from the punch unit.

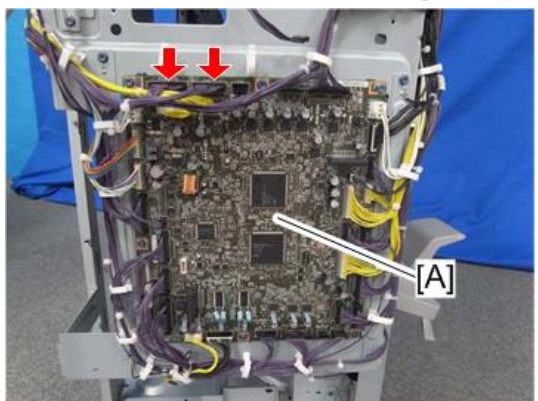


 x1

d1351712a

2. Installation

30. Connect the harness connector cable provided with the punch unit to the main board [A] of the finisher.



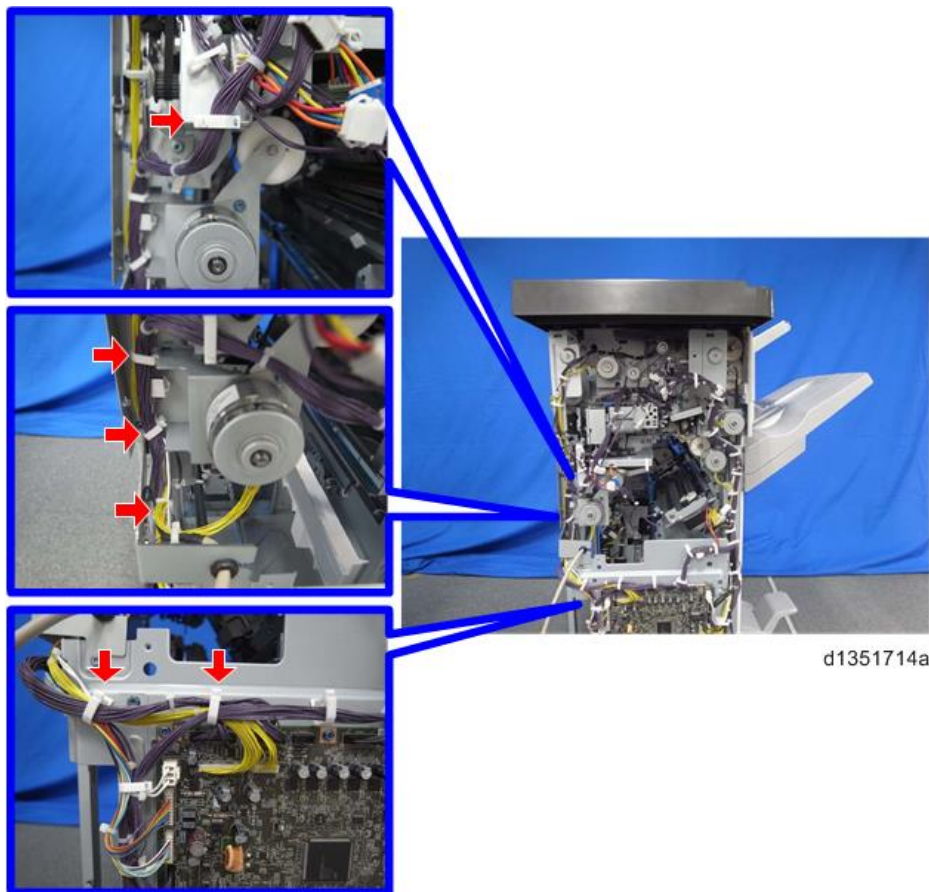
×2

d1351713a

Note

- The end that is split into two connectors must be connected to the main board.

31. Route the harness connector cable as shown below.

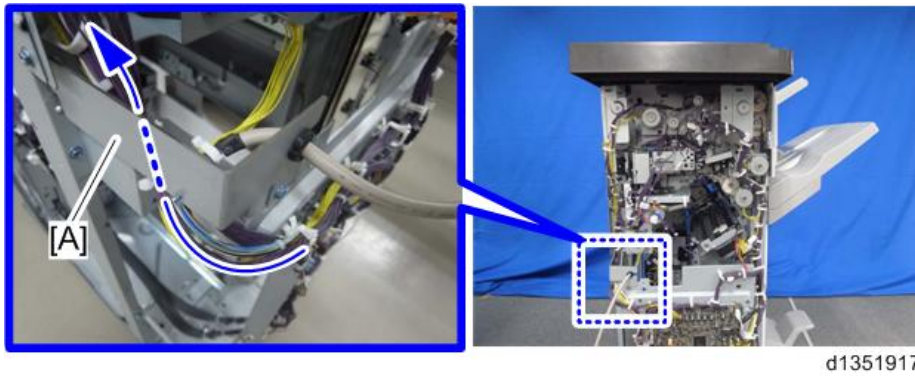


d1351714a

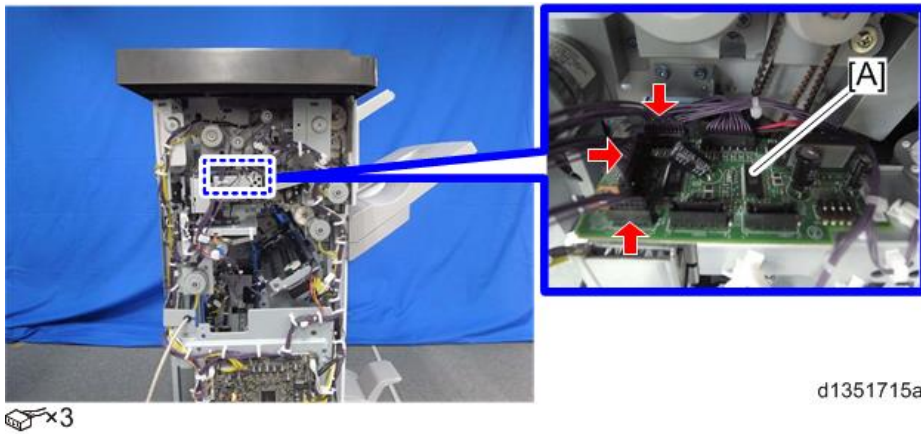
×6

Note

- Route the harness under the I/F bracket [A] as shown below. The dotted line shows where the harness goes under the bracket.

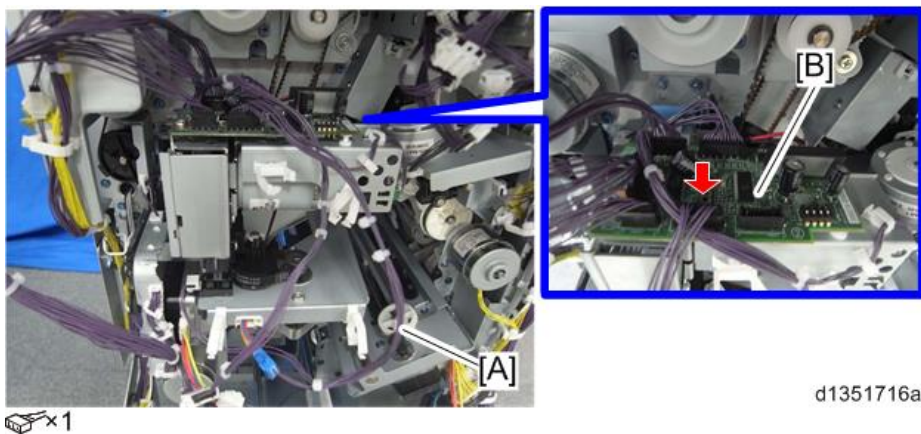


32. Connect the harness connector cable to the PCB [A] on the punch unit.



 x3

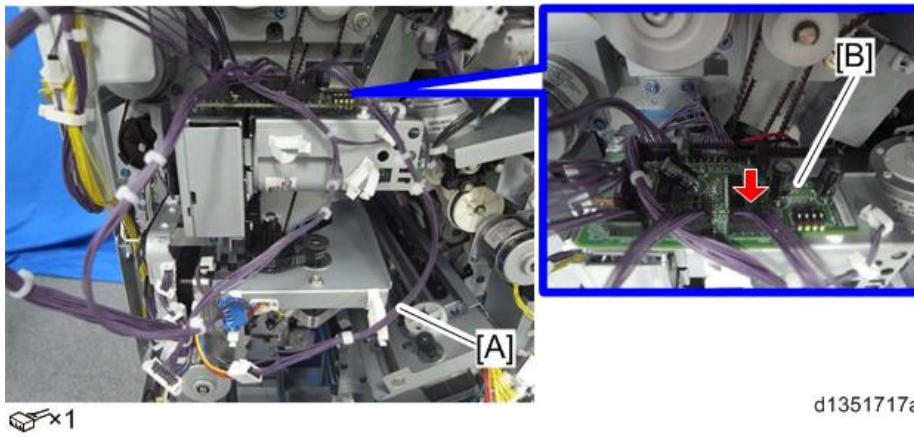
33. Connect the harness [A] of the stepper motor bracket to the PCB [B] in the punch unit.



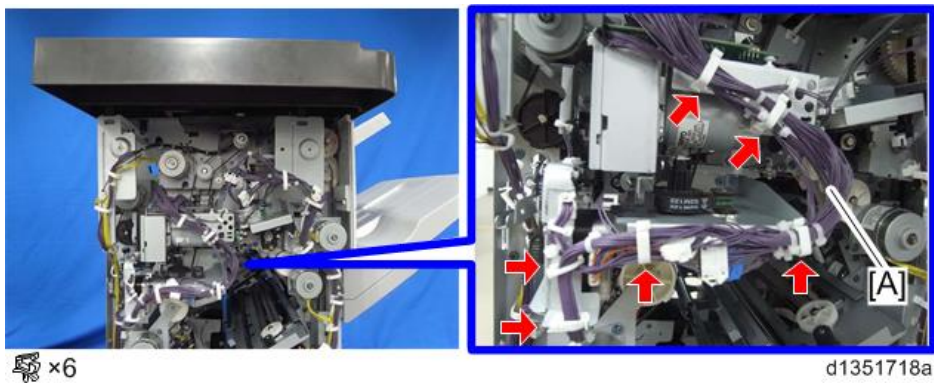
 x1

2.Installation

34. Connect the harness [A] of the registration sensor bracket to the PCB [B] in the punch unit.

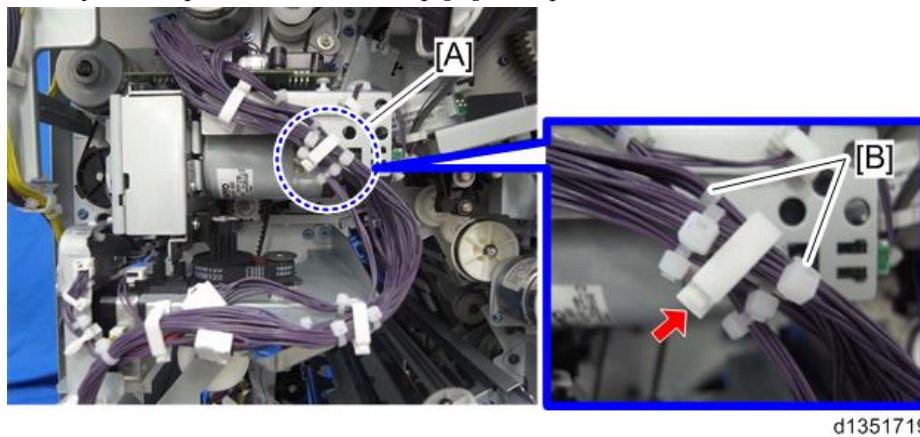


35. Gather the harnesses of steps 32-34 [A] with your hands, and then fasten them with the clamps as shown below.



Note

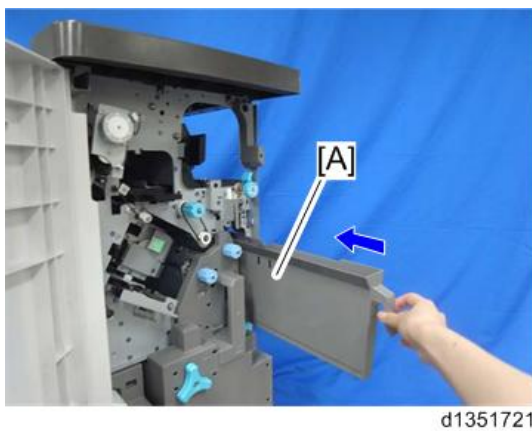
- When you clamp the harness in clamp [A], clamp the harness between the two binds [B].



- Route the harness [A] of the punch unit over the PCB as shown below by the dotted blue line.



- 36.** Slide the punch waste hopper [A] into the finisher from the rear.



- 37.** Pull back the stapler unit.
- 38.** Re-attach the covers, and then re-install the finisher on the main machine. ([Finisher SR4120/SR4130 \(D3CG/D3CH\)](#))
- 39.** Connect the finisher connector to the main machine.
- 40.** Turn ON the main power switch of the machine.
- 41.** Check the finisher operation.

2.Installation

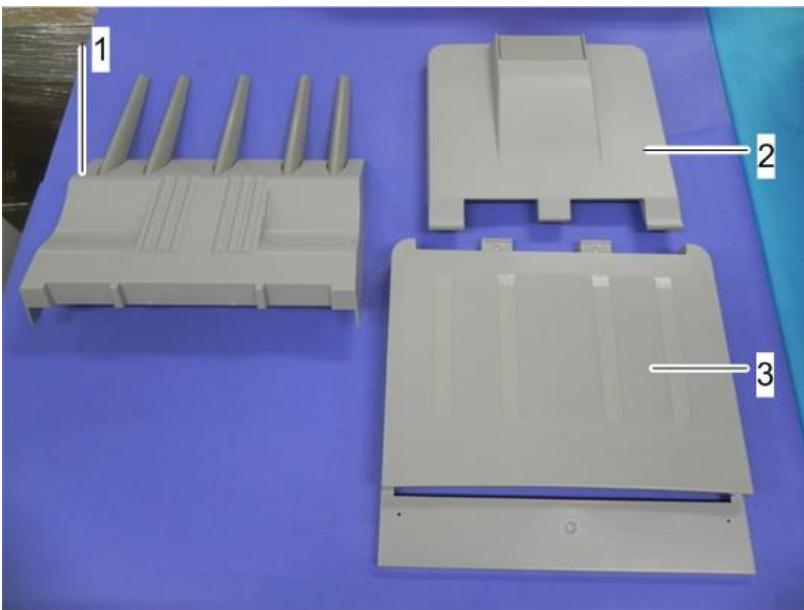
SR4000 series Output Tray for Banner Sheet Type S6 (Pro C5200S/C5210S Only)

This option can be attached to the Finisher SR4120 and Booklet Finisher SR4130.

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Support Plate	1
2	Extension Tray	1
3	Relay Tray	1



d257a2057

Installation Procedure

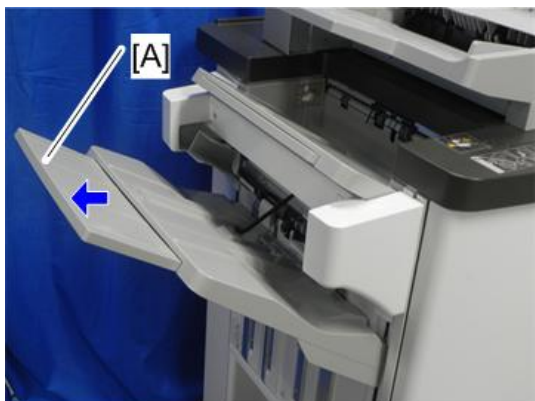
If the finisher has been used, the shift tray may be raised. If it is raised, lower it by opening and closing the finisher front door while the power is turned ON.

⚠ CAUTION

Always switch the machine off and unplug the machine before doing the following procedure.

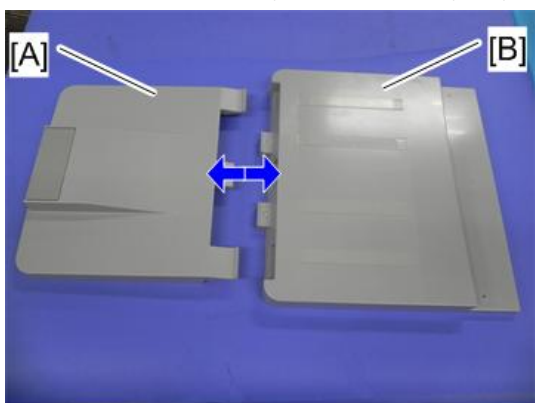
Attaching the Banner Sheet Tray to the Finisher

1. Pull out the extension [A] of the finisher's shift tray.



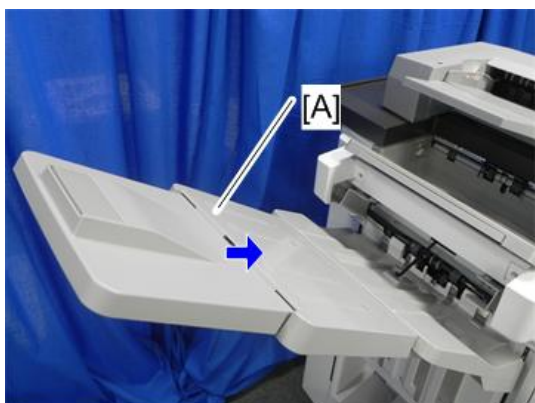
d257a2059

2. Attach the extension tray [A] to the relay tray [B].



d257a2058

3. Attach the assembled tray [A] to the finisher.

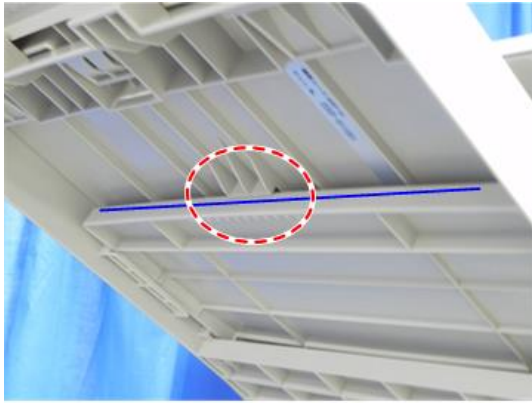


d257a2060

Note

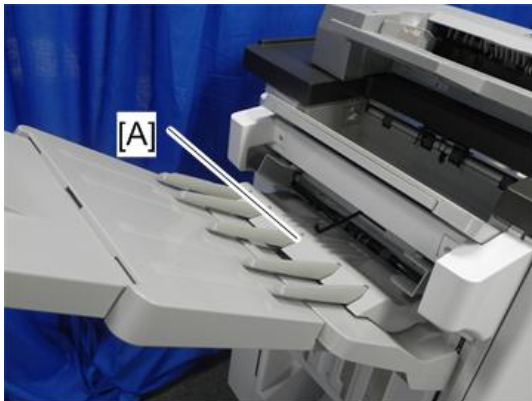
When attaching the tray, make sure that the extension of the finisher shift tray reaches the position shown in the picture below.

2. Installation



d257a2061

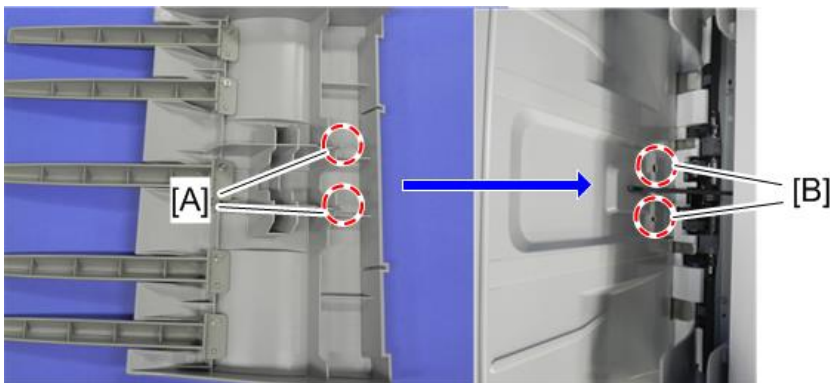
- 4.** Attach the support plate [A] provided with this option.



d257a2062

Note

Insert the pins [A] of the support plate into the holes [B] in the shift tray.



d257a2063

SP Setting

After starting up the main machine, change the SP setting to let the banner sheet tray be recognized.

- 1.** Enter the SP mode.
- 2.** Change SP5-150-002 from [0] to [1].
- 3.** Exit the SP mode.
- 4.** Restart the main machine.

Cooling Fan Unit Type M26

★ Important

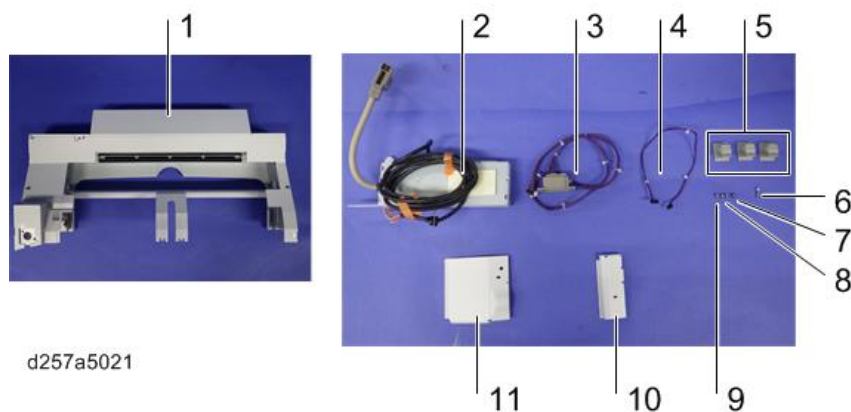
This option can be installed on the Finisher SR4120 or Booklet Finisher SR4130 after installing the Output Jogger Unit.

This option cools down the sheets delivered to the finisher shift tray.

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Cooling Fan Assembly	1
2	Interface Unit	1
3	Harness: Decurler: Off (for use with MP C6503/C8003 only)	1
4	Harness: Shift Tray: Switch	1
5	Locking Wire Saddle CKN-13	3
6	Tapping Screw 3 X 16	1
7	Tapping Screw 3 X 6	6
8	Tapping Screw 3 X 8	1
9	Tapping Screw: Round Point: 3 X 6	1
10	Front Cover	1
11	Rear Cover	1



d257a5021

Installation Procedure

⚠ CAUTION

Always switch the machine OFF and unplug the machine before installation.

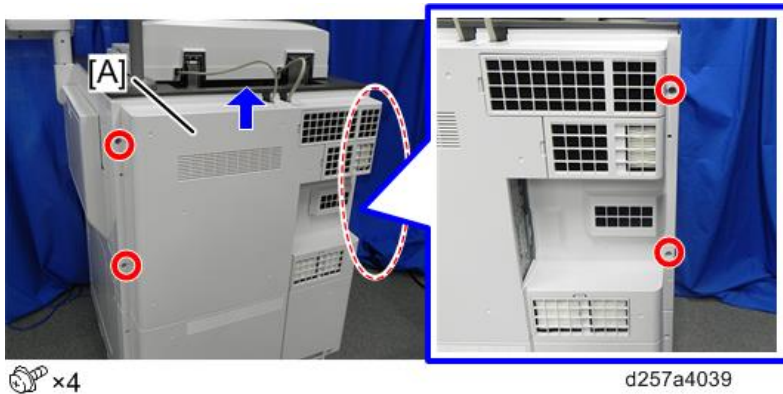
💡 Preparation

If the finisher is connected to the machine, disconnect it.

2. Installation

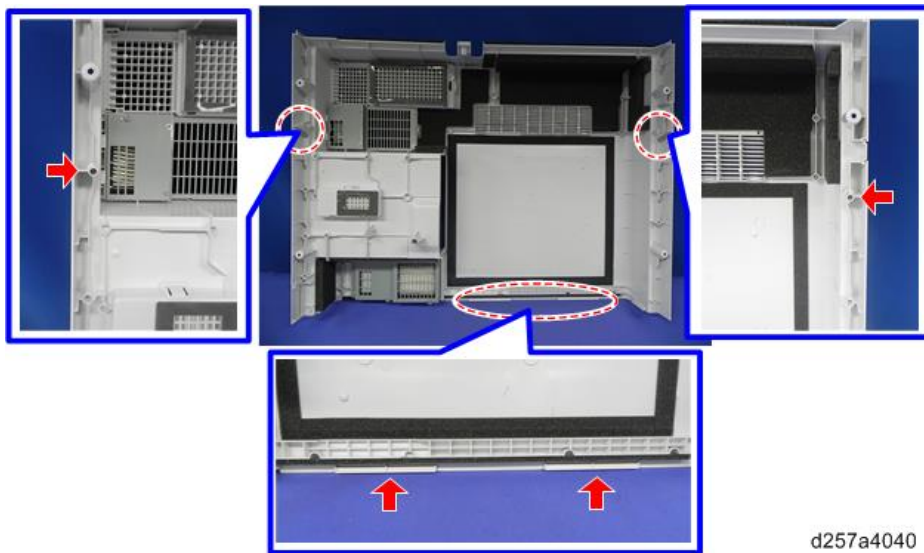
Preparing the Main Machine (MP C6503/C8003 only)

1. Remove the rear middle cover [A].



Note

Check the positions of the bosses and hooks before removing the cover.

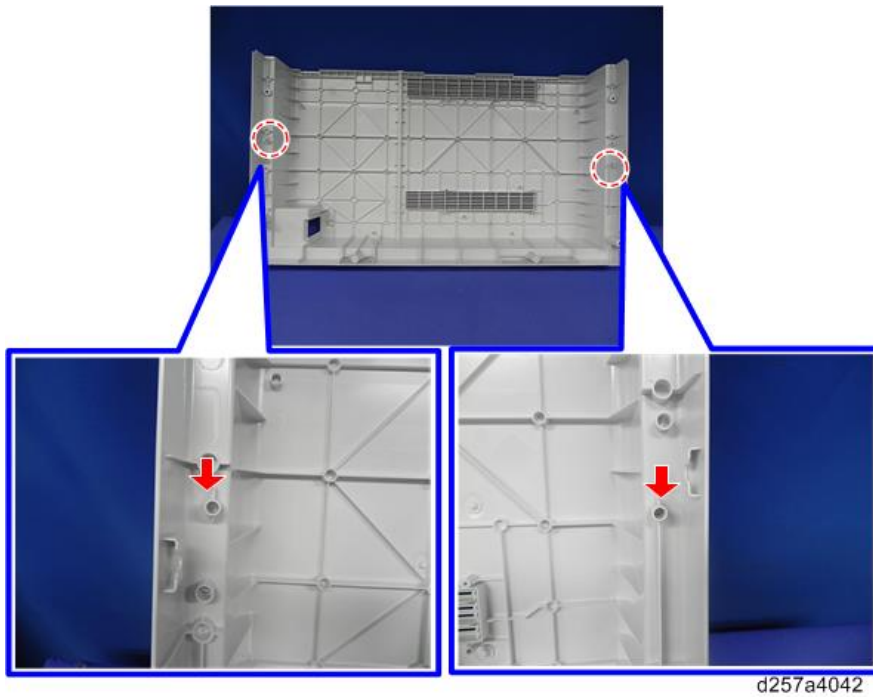


2. Remove the rear lower cover [A].

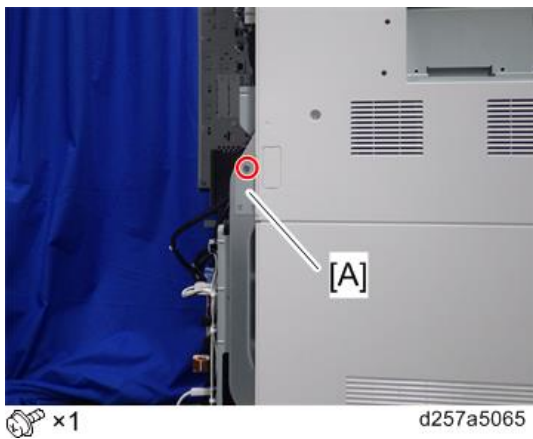


Note

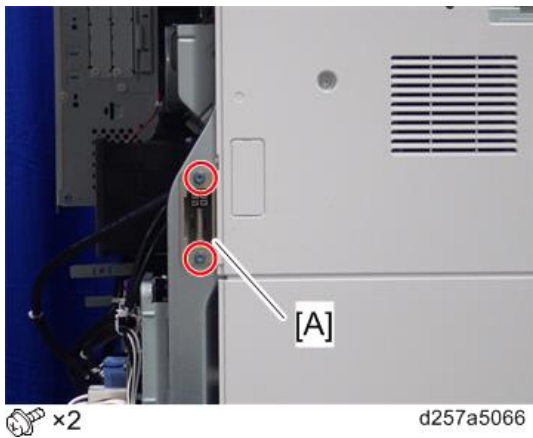
Check the positions of the bosses before removing the cover.



3. Remove the cover [A].

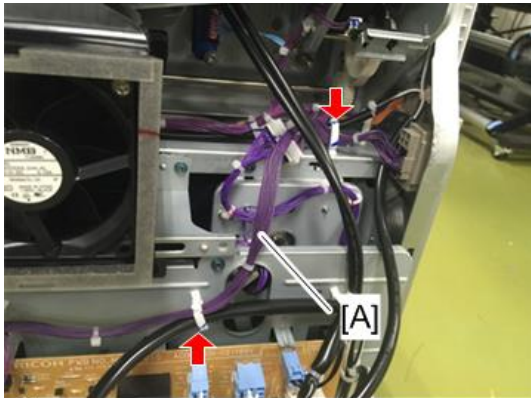


4. Attach the connector [A] of the harness provided with the cooling fan unit.



2.Installation

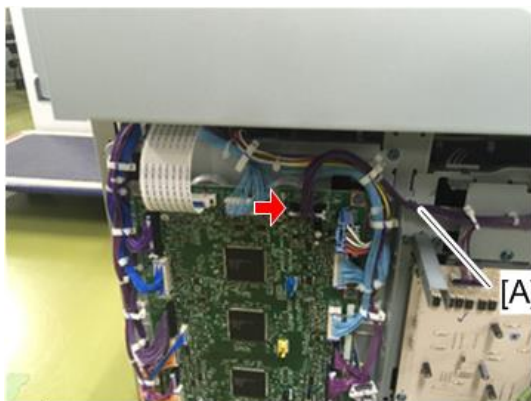
5. Clamp the harness [A].



 x2

d257a5068

6. Connect the harness [A] to CN272 of the PFB.

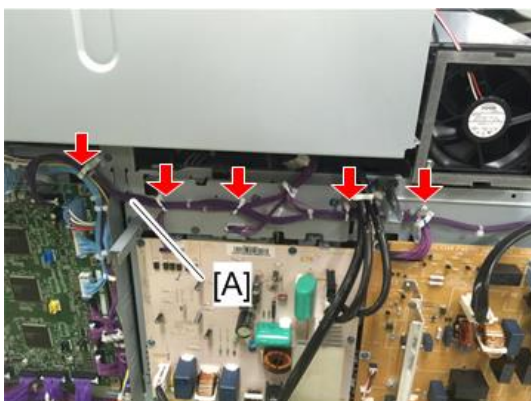


 x1

d257a5069

7. Clamp the harness [A].

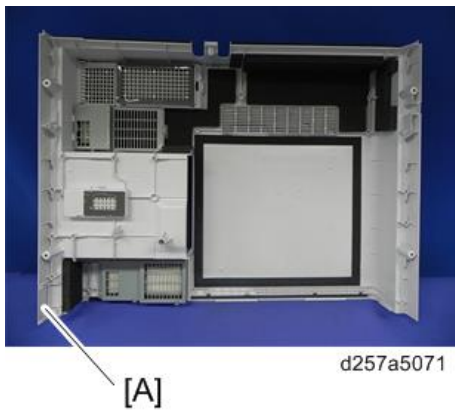
Pass the harness under the black tubes.



 x5

d257a5070

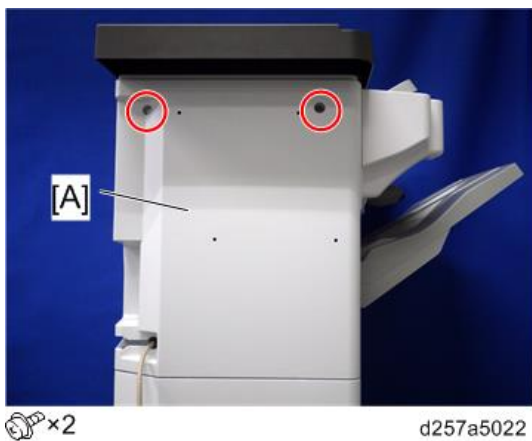
8. Remove the connector cover [A] from the rear middle cover.



9. Reattach the rear lower cover.
10. Reattach the rear middle cover.

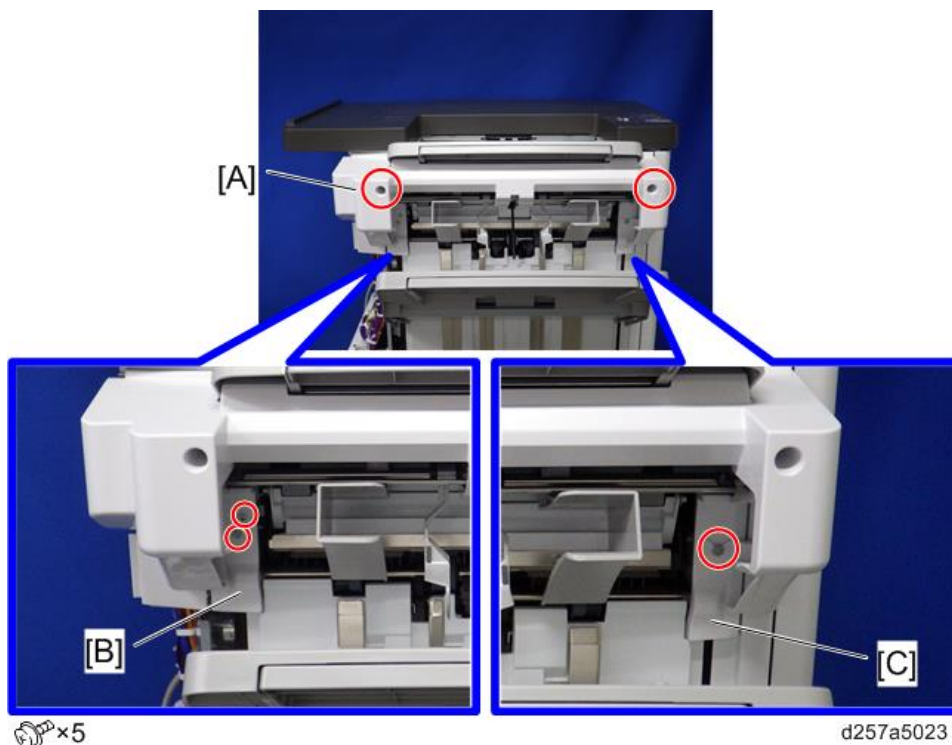
Cooling Fan Unit Installation

1. Remove the rear upper cover [A] from the finisher.

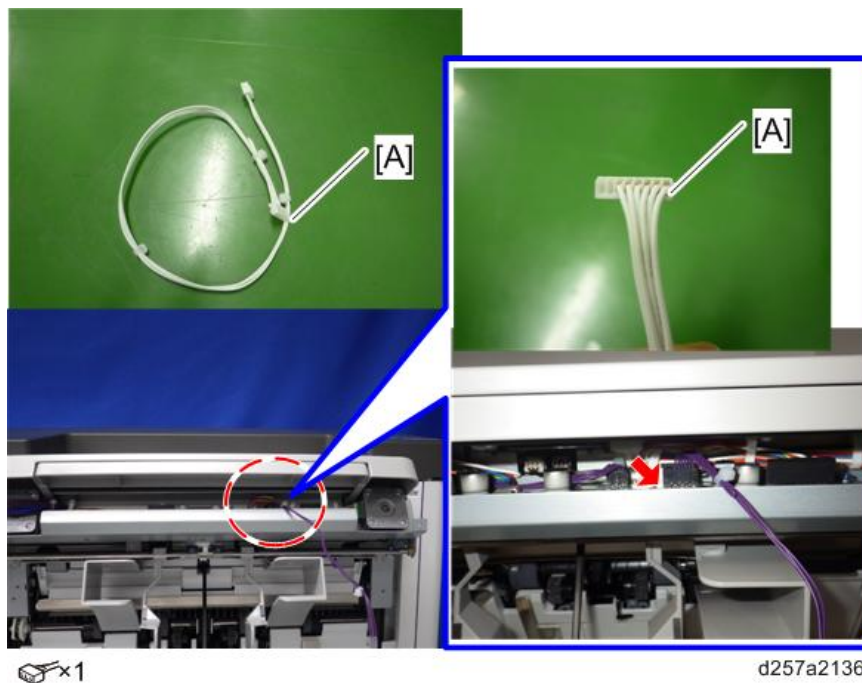


2. Installation

2. Remove the covers [A], [B], and [C].



3. Take out the harness [A].
4. Connect the large connector of the harness [A] to the jogger unit board in the direction as shown below. It will be easier to insert the harness by bending it.

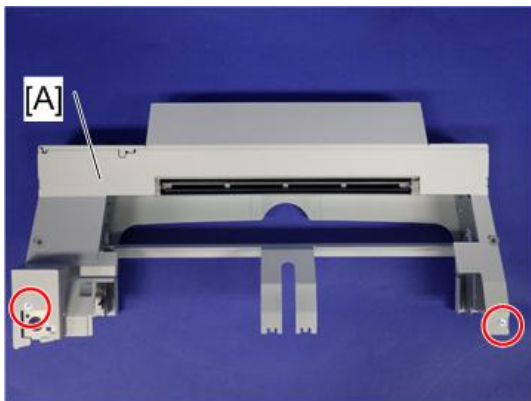


5. Place the harness [A] temporarily as shown below. To prevent pinching the harness, make sure that the parts shown in the red circles below fit inside the plate.



d257a5025

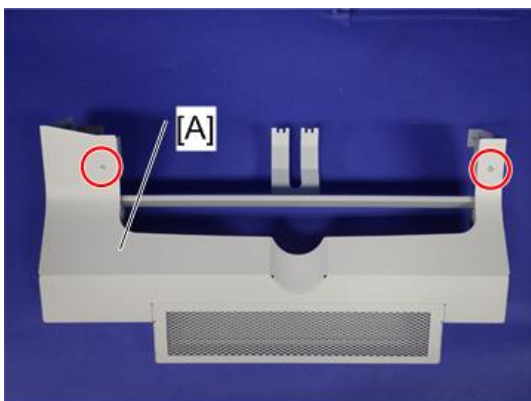
- 6.** Unpack the cooling fan unit.
- 7.** Position the cooling fan unit upside down, and remove the lower cover [A] from the cooling fan assembly.



 x2

d257a5026a

- 8.** Turn over the cooling fan assembly, and remove the screws from the upper cover [A].

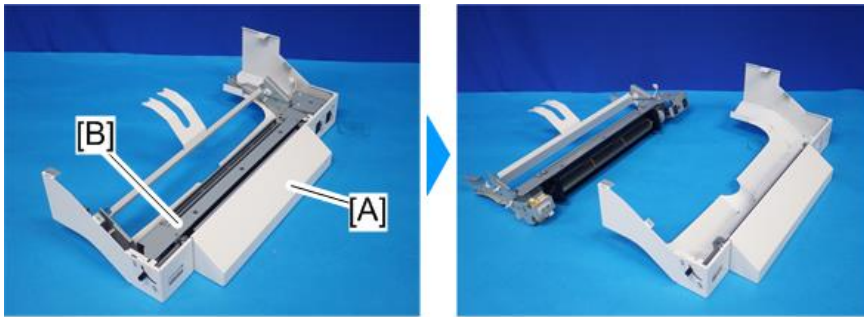


 x2

d257a5027

2. Installation

9. Turn over the cooling fan assembly, and then remove the base unit [B] from the upper cover [A].

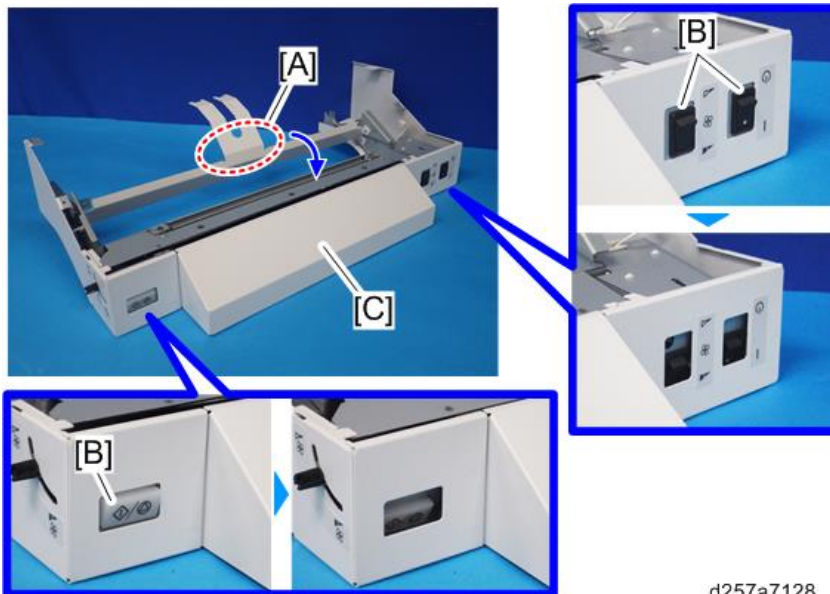


d257a7130

Note

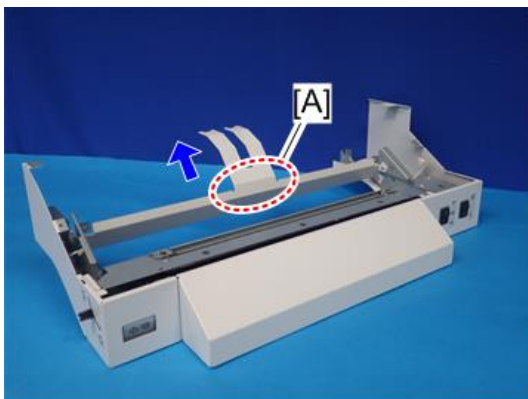
Remove the base unit as shown below.

1. Hold the stay [A] of the base unit, and then rotate the base unit to move three switches [B] out of the upper cover [C].



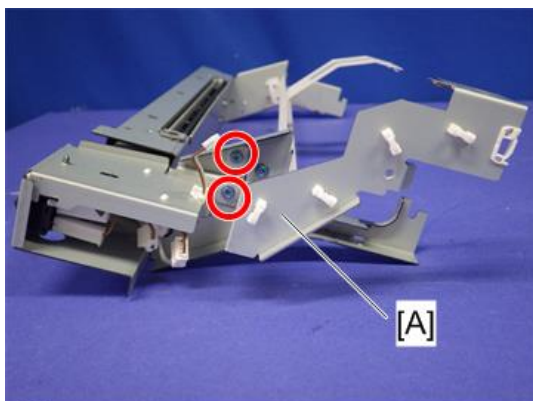
d257a7128

2. Hold the stay [A], and then pull out the base unit towards the direction of the arrow.



d257a7129

- 10.** Remove the bracket [A].



⚙️ ×2

d257a5029

- 11.** Remove the screw at the center of the paper guide unit which fastens the shaft.

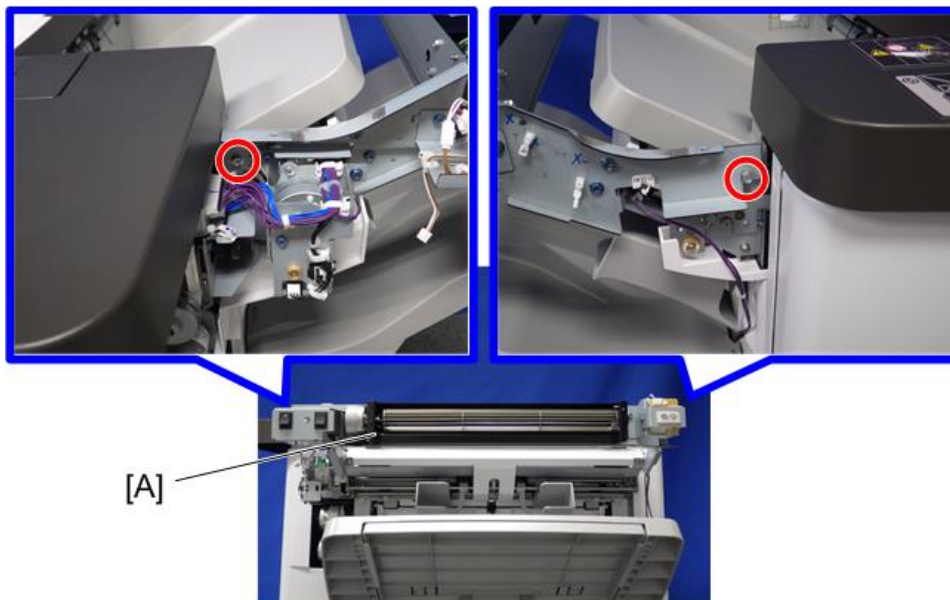


⚙️ ×1

d257a5093

- 12.** Set the cooling fan unit [A] on the finisher.

Hook the U shaped grooves of the cooling fan unit over the stepped screws of the jogger unit.

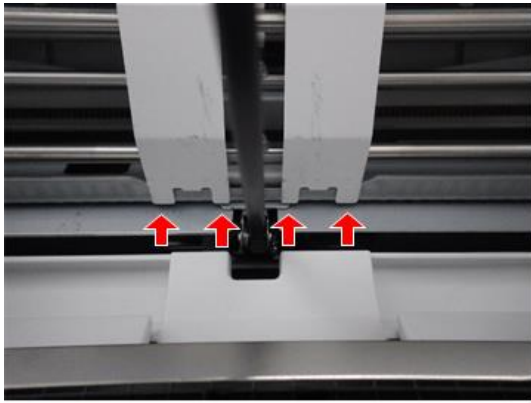


d257a5030

Note

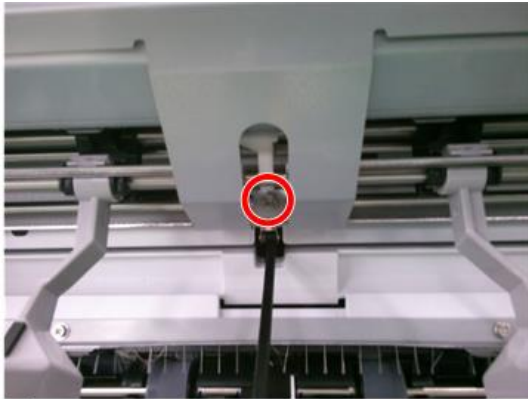
Make sure that the hooks at the center on the lower side are hooked onto the plate of the jogger unit.

2.Installation



d257a5031

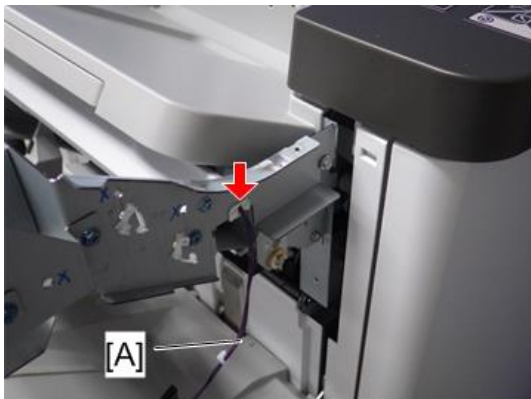
- 13.** Using the screw removed in step 11, fasten the center of the cover and the shaft of the paper guide unit.



 x1

d257a5094

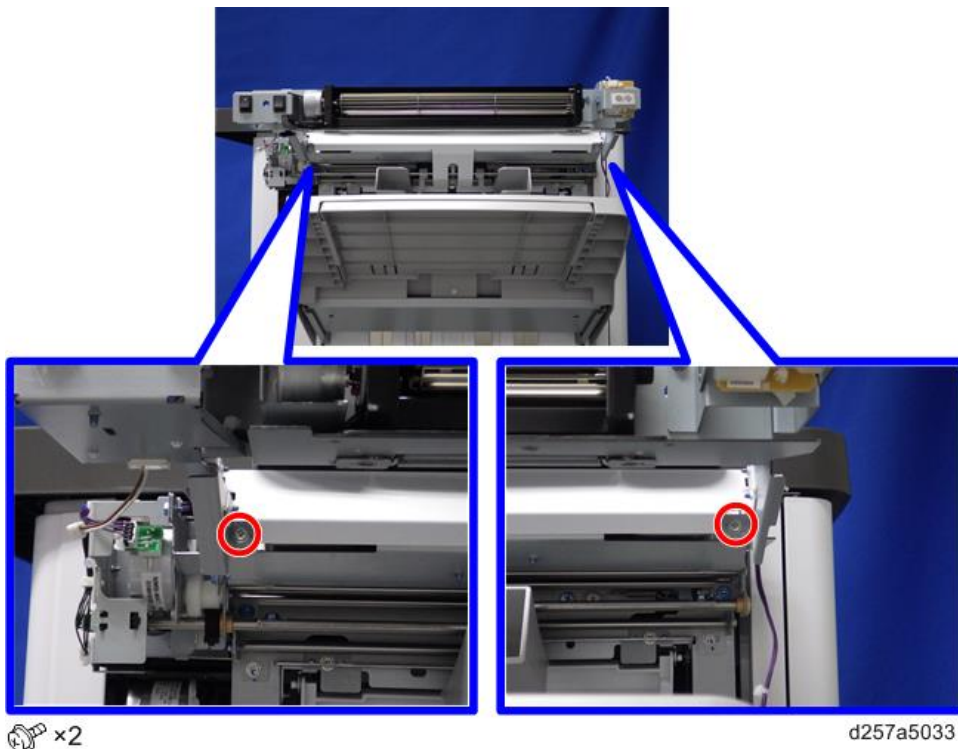
- 14.** Pass the harness [A] put temporarily in step 5 through the edge saddle and close it. Pull the harness [A] toward you.



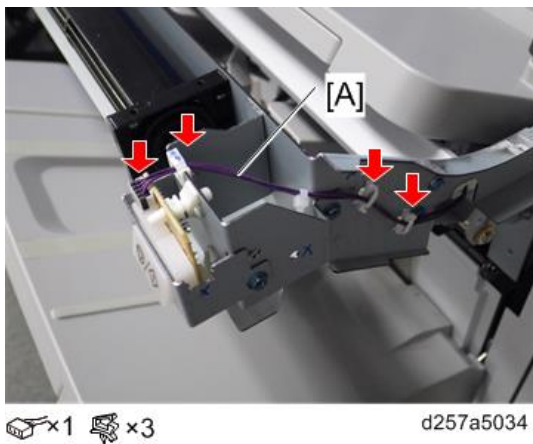
 x1

d257a5032

- 15.** Fasten the cooling fan unit with the screws removed in step 2.



- 16.** Connect the harness [A] to the switch board and clamp it.

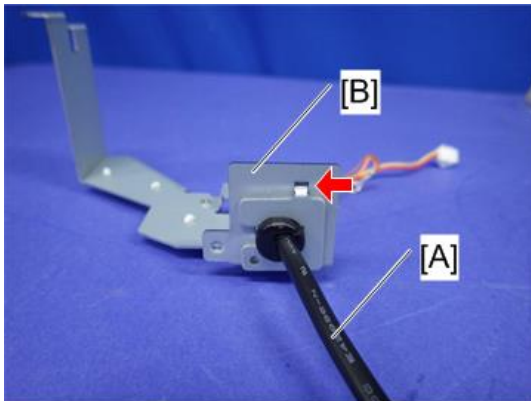


- 17.** Take out the interface unit [A].



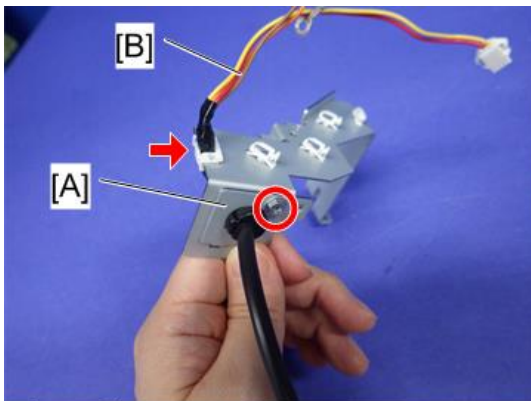
2.Installation

- 18.** Pass the harness [A] of the interface unit through the hole in the bracket [B] removed in step 10. Insert the hook of the harness bracket into the square hole in the bracket [B].



d257a5036

- 19.** Attach the harness bracket [A] with the silver screw, and pass the harness [B] through the edge saddle.

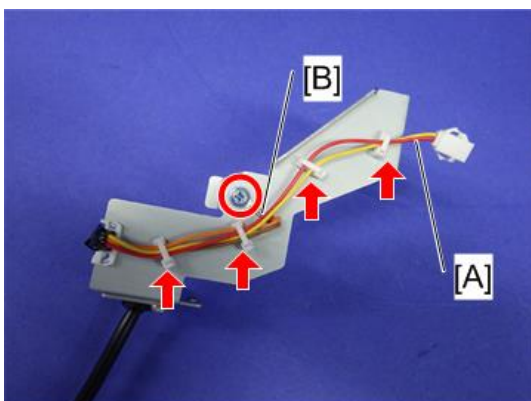


 x1  x1

d257a5037

- 20.** Route the harness [A] and attach the grounding wire [B] with the blue screw.

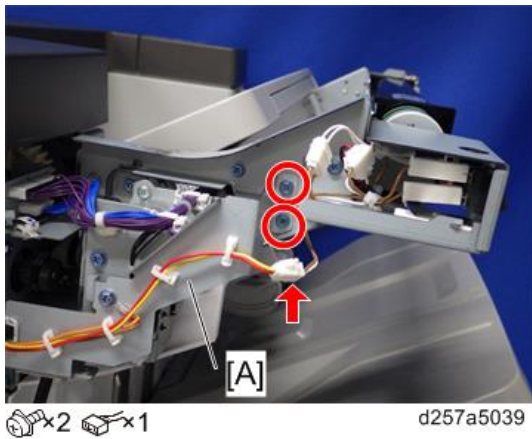
- 21.** Clamp the harnesses.



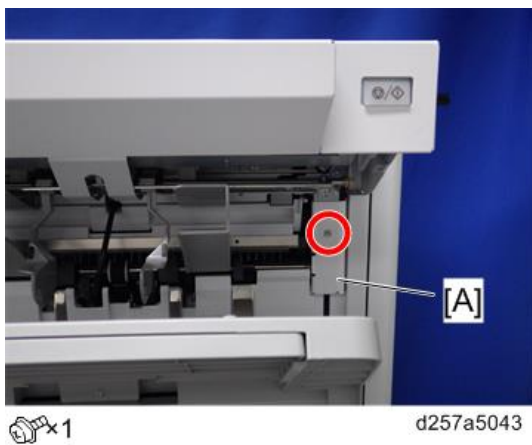
 x1  x4

d257a5038

- 22.** Attach the bracket [A] with two screws, and connect the cooling fan unit harness to the interface unit harness.



- 23.** Attach the front cover [A] provided with the cooling fan unit.

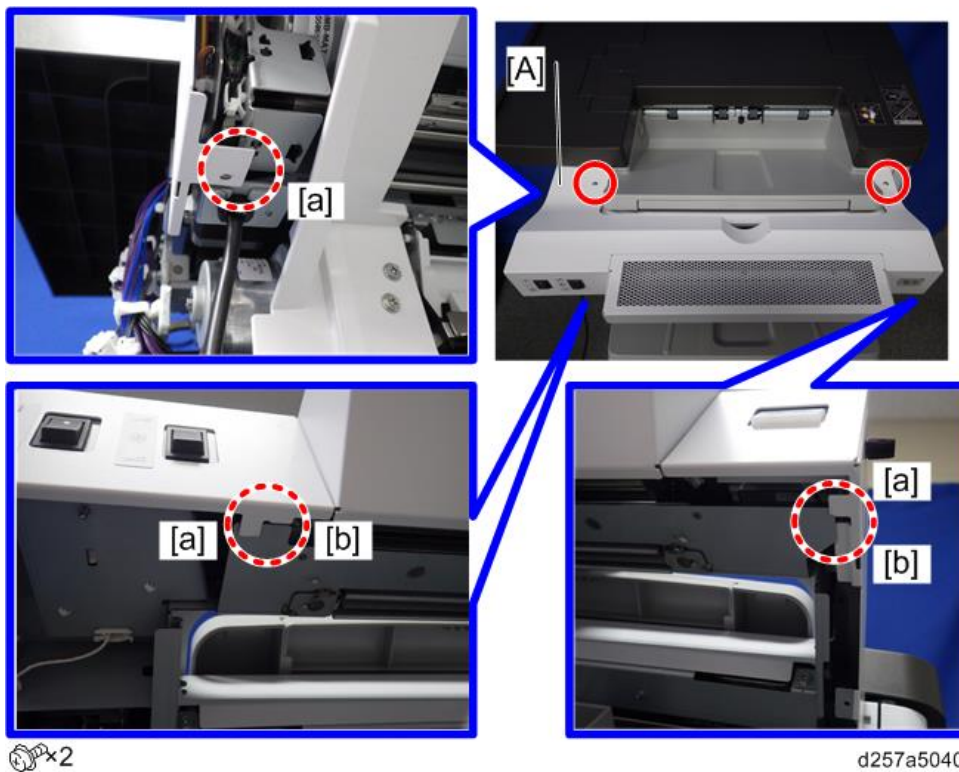


- 24.** Attach the rear cover [A] provided with the cooling fan unit.



- 25.** Attach the upper cover [A] removed from the base unit of the cooling fan assembly in step 9.
Use the screws removed in step 8.

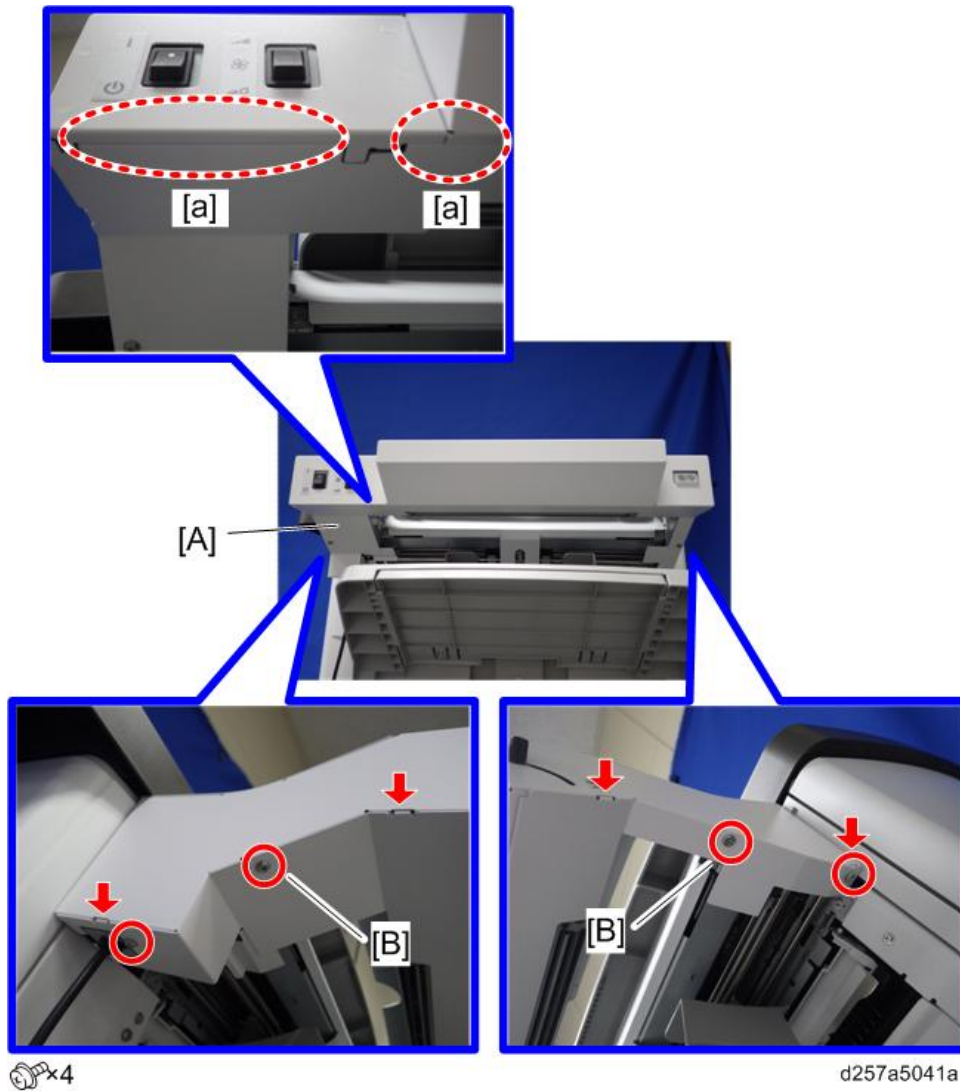
2.Installation



[a]: The frame must be inside the cover.

[b]: The cover must be inside the frame.

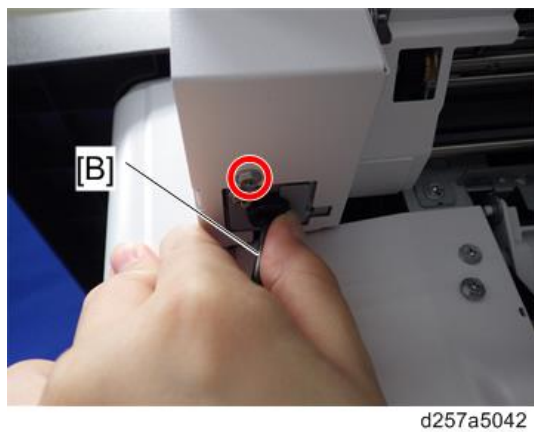
- 26.** Attach the lower cover [A] removed from the cooling fan assembly in step 7. Use 3x6 screws (accessory #7) for [B]. Insert four hooks into the holes in the upper cover.



[a]: The lower cover must be inside the upper cover.

Note

If the screw hole shown in the red circle is too high or too low, press the cord [B] with your finger and adjust the position of the hole.



2.Installation

- 27.** Attach the finisher rear upper cover [A] removed in step 1.



⊗x2

d257a5045

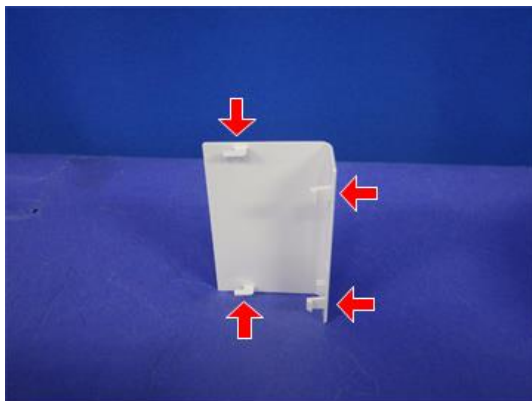
- 28.** Pro C5200S/C5210S only: Remove the connector cover [A] from the main machine.



d257a5063

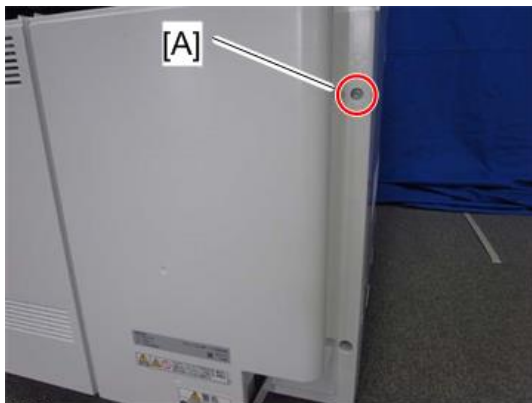
Note

Check the positions of the hooks before removing the connector cover.



d257a5064

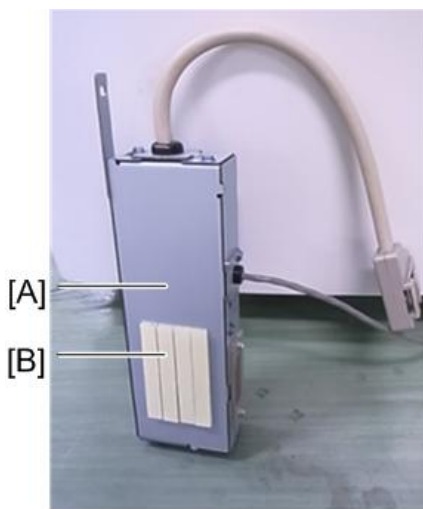
- 29.** Remove the upper screw [A] from the rear lower cover.



🔧x1

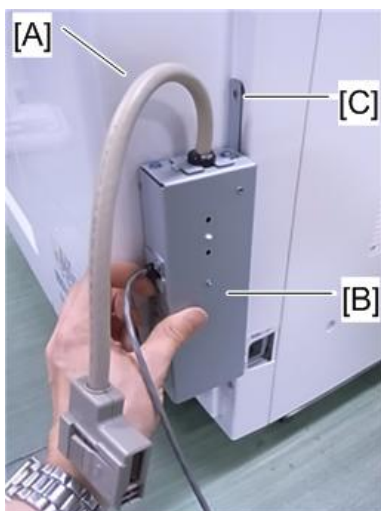
d135a0099a

- 30.** Peel off the tapes from the Velcro [B] attached to the interface unit [A] (accessory #2).



d770z0015

- 31.** Align the screw hole [C] with the screw hole in the cover [A], and attach the interface unit [B] with its Velcro against the surface of the cover.



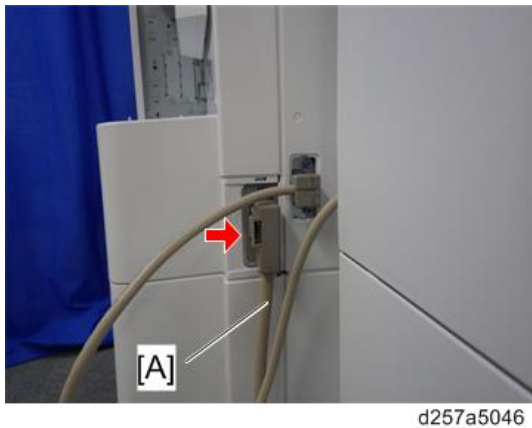
d770z0016

2.Installation

- 32.** Attach the interface unit [A] to the lower left cover with an M3x16 screw (accessory #6).



- 33.** Connect the interface unit cable [A] to the copier.



- 34.** Bind the harness of the interface unit [A] and clamp it with Locking Wire Saddle CKN-13 [B] (accessory #5).



Note

- Depending on the number of options installed between the copier and Finisher, 3 pcs of Locking Wire Saddle CKN-13 might be needed to clamp the harness.

 Information for Cooling Fan Unit Type M26

Cooling Fan Unit Type M26 activates under the following condition.

Main Power Switch [A] of Cooling Fan Unit Type M26	Mainframe	
	Printing/Copying	Ready status
ON	Active	Inactive
OFF	Inactive	Inactive

★ Important

- Always keep the main power switch of the Cooling Fan Unit Type M26 **ON**, because the power is supplied from mainframe.
- If the printer is in ready status, the cooling fan unit does **not** activate even with the mainframe power switched ON. The cooling fan is activated **only** while printing or copying.

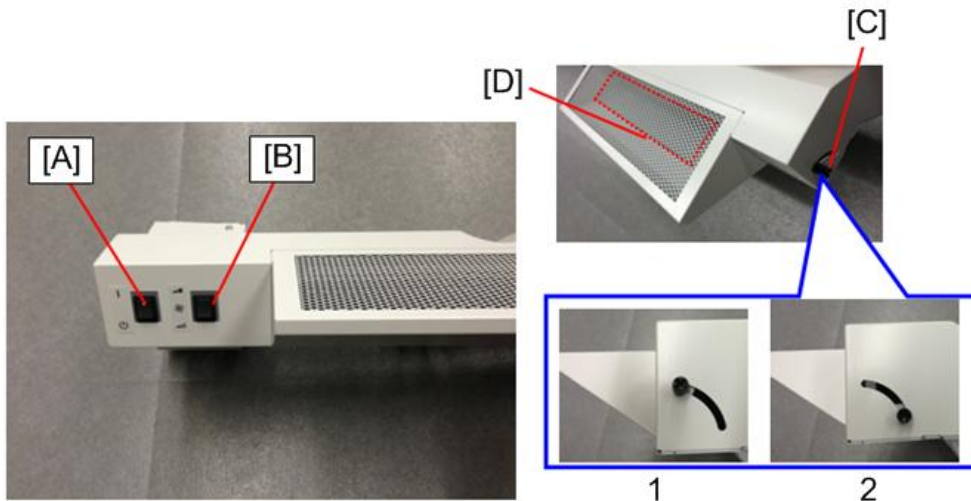
Instruction for Customers

How to adjust the fan power

Cooling Fan Unit Type M26 has a fan power adjustment switch [B]. Fan power can be set to either maximum or minimum. If stacking is poor as a result of excess air volume, set this switch to minimum.

If the air volume needs to be finely adjusted, rotate the knob screw [C], which will let you change the position of the air shield [D] inside the unit. The air shield can be fixed at the desired position by tightening the knob screw.

(The air shield [D] is inside the meshed cover.)



d135a3151

1: Maximum air volume

2: Minimum air volume

Finisher SR4110 (D707) (MP C6503/C8003 Only)

Note

- You cannot install more than one finisher at the same time.

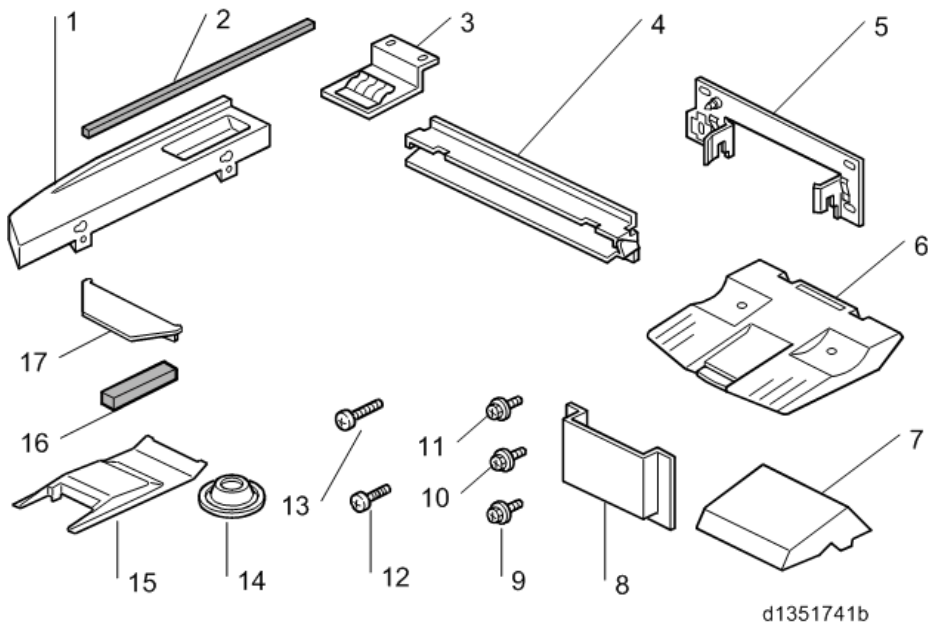
Accessories

Check the accessories and their quantities against this list.

	Description	Q'ty
1.	Side Tray	1
2.	Sponge Strip	1
3.	Ground Plate	1
4.	Entrance Guide Plate	1
5.	Joint Bracket	1
6.	Shift Tray	4
7.	Support Plate	1
8.	Support Plate Pocket	1
9.	Tapping Screws – M3 x 6	2
10.	Tapping Screws – M3 x 8	4
11.	Tapping Screws – M4 x 8	2
12.	Screws – M4 x 14	4
13.	Screws – M4 x 20	4
14.	Leveling Shoes	4
15.	Support Plate for Shift Tray	1
16.	Coupling Seal	1
17.	Support Plate for Proof Tray	1

Important

- The output jogger unit is pre-installed on this finisher, so it is not an option.



Spacer

A spacer for correcting paper skew is attached to the bottom right of the finisher.



d135a3123

[A]: Spacer for skew correction and side-to-side registration adjustment

Installation Procedure

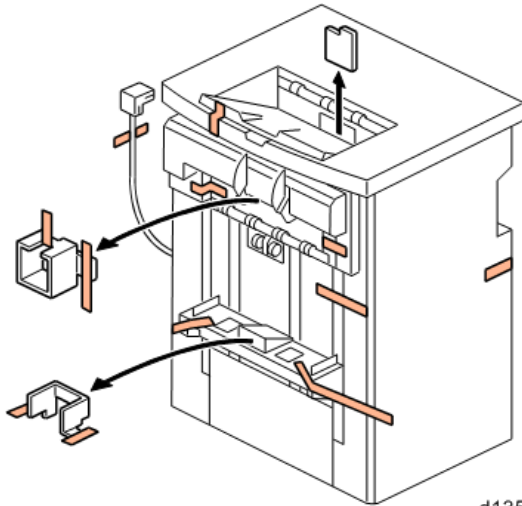
⚠ WARNING

- Turn the machine off and disconnect the machine power cord before you do this procedure.

1. Unplug the machine power cord before starting the following procedure.

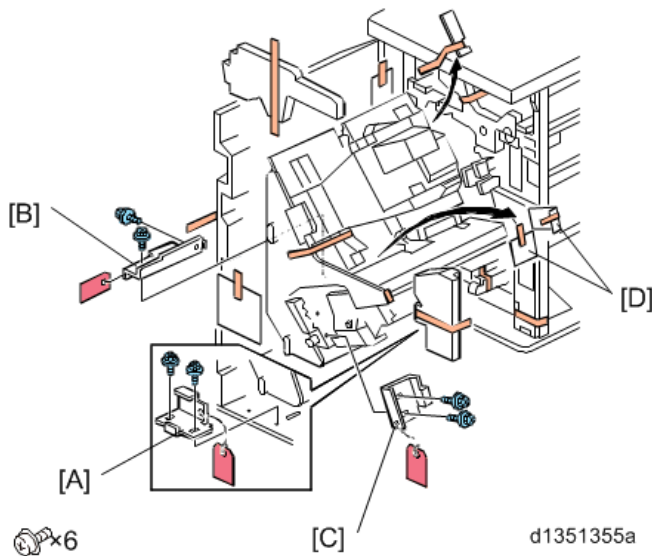
2. Installation

2. Unpack the finisher and remove all tapes and shipping retainers.



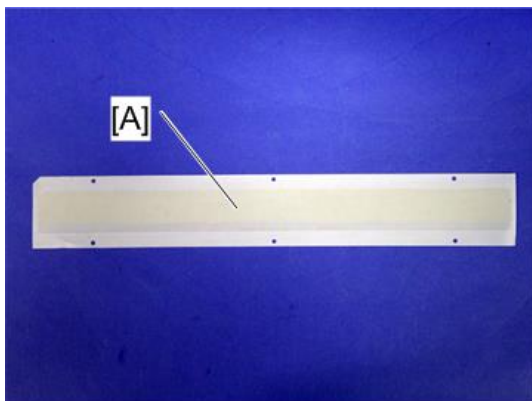
d1351354

3. Open the front door and remove the shipping retainers.
4. Remove the brackets, tags, and wires in this order: [A] > [B] > [C].
5. Be sure to remove the two sheets of paper [D].



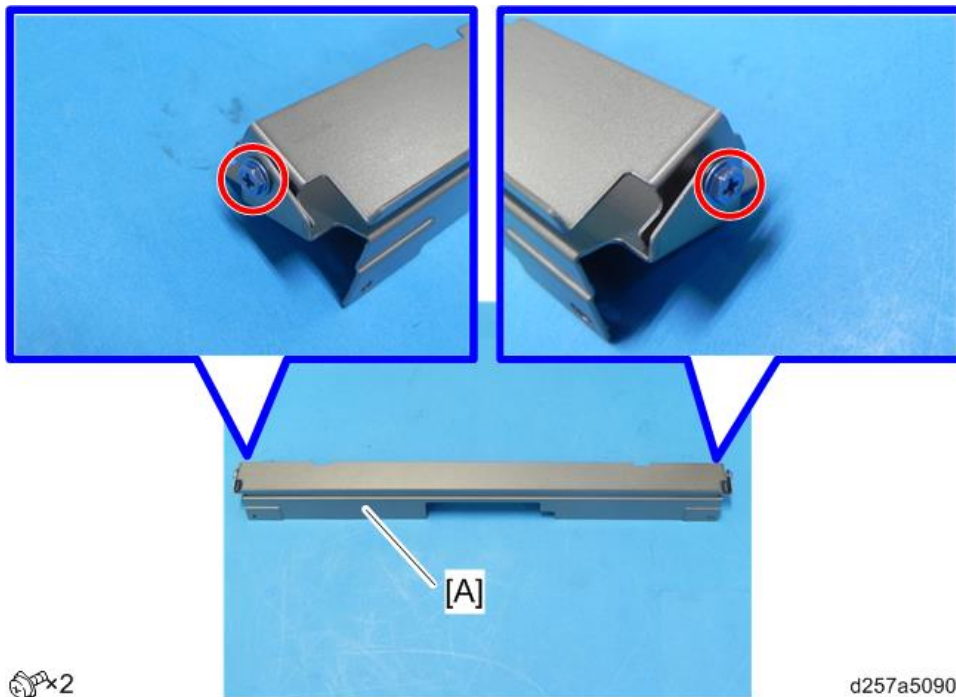
d1351355a

6. If the upstream device is the main machine, prepare the guide sheet [A] provided with the main machine. If the upstream device is not the main machine, proceed to step 10.

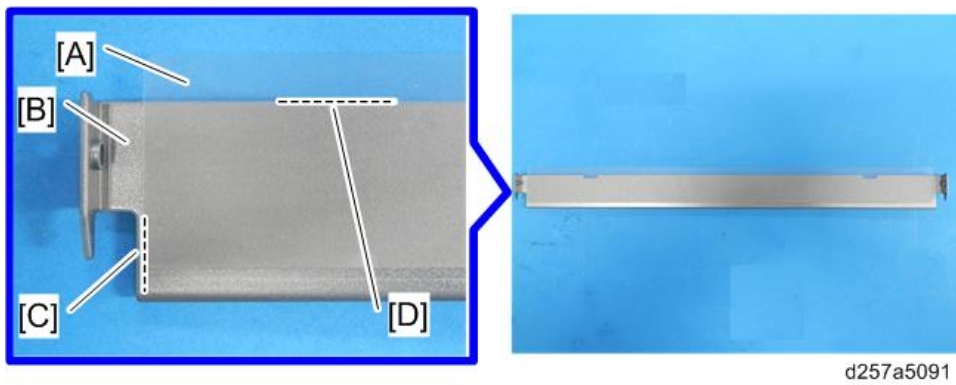


d257a5054

7. Divide the entrance guide plate [A] into two parts.



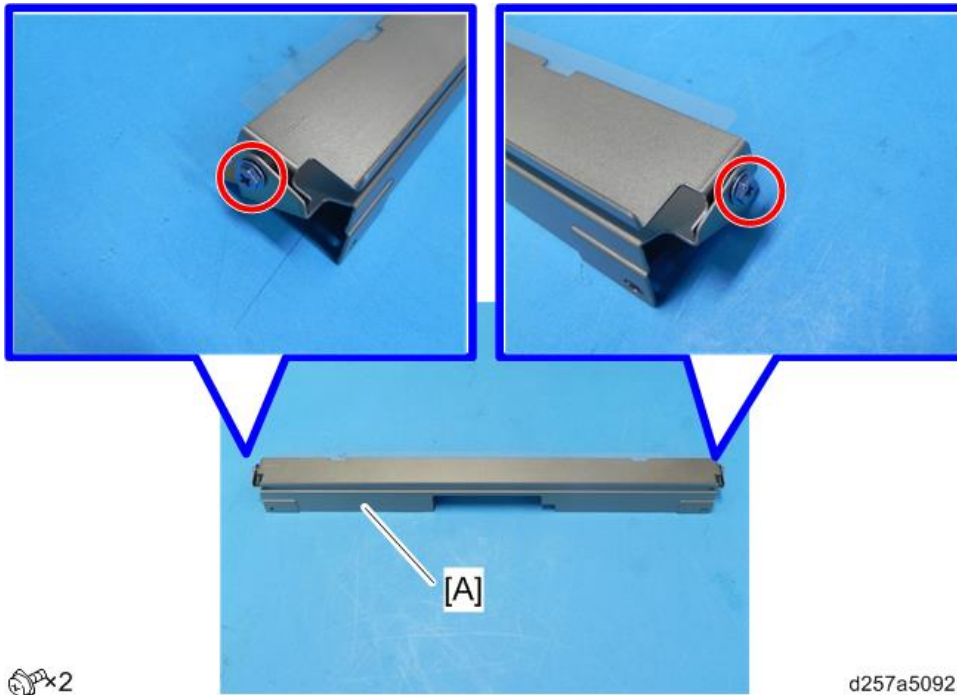
8. Remove the release paper from the guide sheet [A], and attach the guide sheet to the side of the upper entrance guide plate [B] which becomes the inner side when assembled.



- [C]: Align the edge of the guide sheet with the edge of the upper entrance guide plate.
 [D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

2. Installation

9. Reassemble the entrance guide plate [A].



10. Install the grounding plate [A]. (M3 x 6)

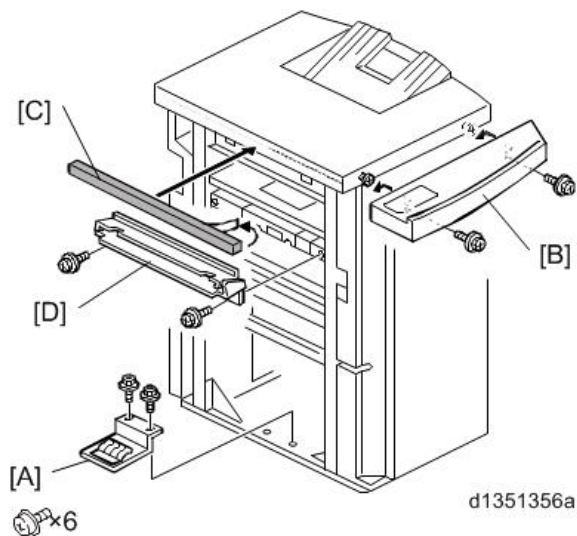
Set the grounding plate so that there is no gap between the plate and the bottom frame of the finisher (as shown).

11. Install the table extension [B]. (M4 x 8)

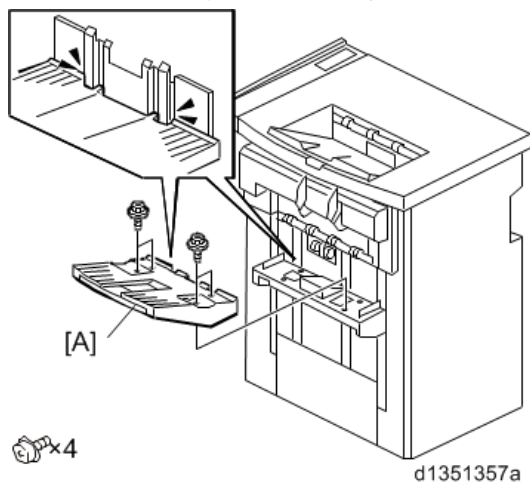
The edge of the table extension should be aligned with the edge of the finisher.

12. Attach the cushion [C] to the right side of the upper cover.

13. Install the entrance guide plate [D]. (M3 x 6)



- 14.** Insert the shift tray [A] into the grooves and fasten it. (M3 x 8)



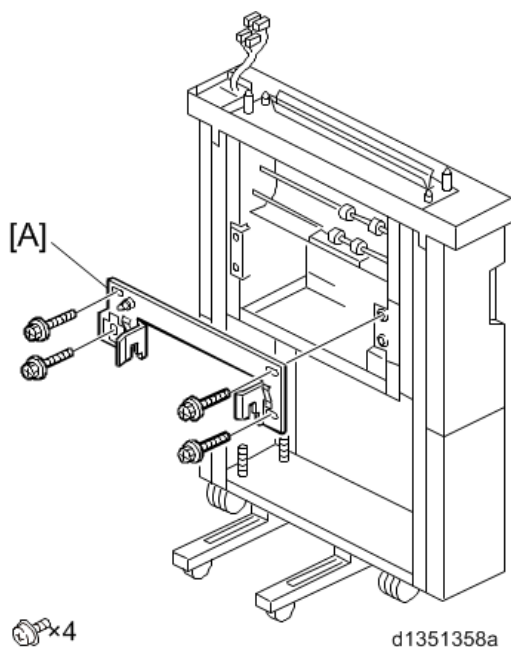
Docking the Finisher SR4110

The Finisher SR4110 is docked to one of the following:

- Multi-Folding Unit FD4000 (D615)
- Cover Interposer Tray CI4020 (D712)
- Main Machine

Finisher SR4110 to Cover Interposer Tray CI4020

- 1.** Fasten the connecting bracket [A] to the Cover Interposer Tray CI4020.
- 2.** Dock the finisher. (See "[Connecting the Finisher D707](#)")

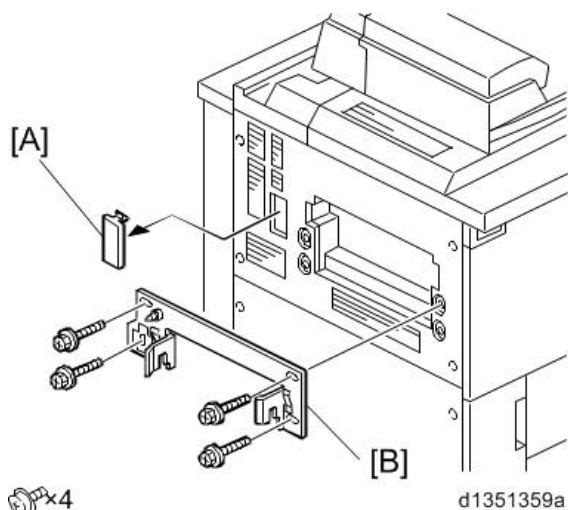


Finisher SR4110 to Main Machine or Other Upstream Unit

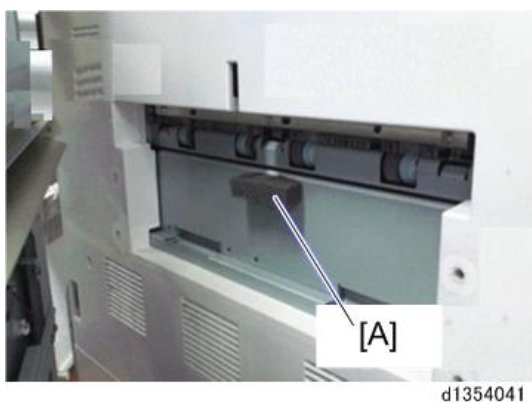
- 1.** Remove the connector cover [A].

2. Installation

2. Fasten the connecting bracket [B] to the copier.



3. Attach the coupling seal [A] to the copier.

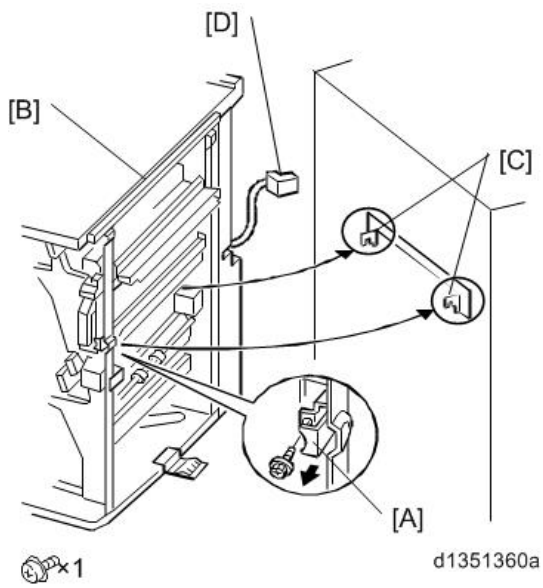


4. Dock the finisher. (See "[Connecting the Finisher D707](#)")

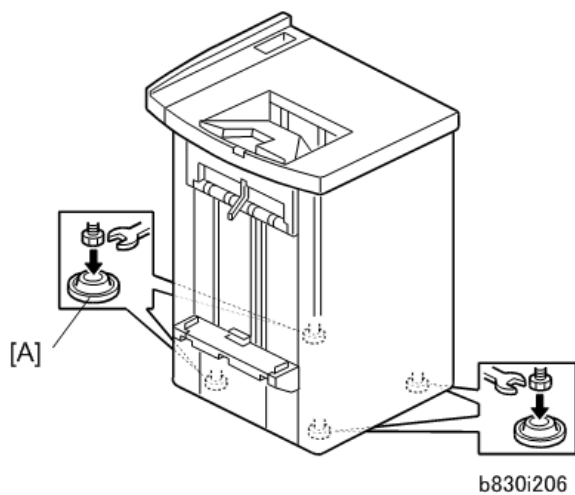
Connecting the Finisher D707

1. Open the front door of the finisher.
2. Pull out the locking lever [A].
3. Align the finisher [B] with the connecting brackets [C], then slowly push the finisher onto the brackets.
4. Connect the finisher cable [D] to the copier
5. Push in the locking lever. [A]
6. Check that the top edges of the finisher are parallel with the edges of the device (or the copier) to the right.
7. Fasten the locking lever [A].

- 8.** Close the front door.



- 9.** Set the leveling shoes [A] under the feet.
10. Turn the nuts to adjust the height of the finisher until it is level.



How to Use the Spacer to Correct Paper Skew

A spacer for correcting paper skew is attached to the bottom right of the finisher.



[A] Spacer for skew correction and side-to-side registration adjustment

2. Installation

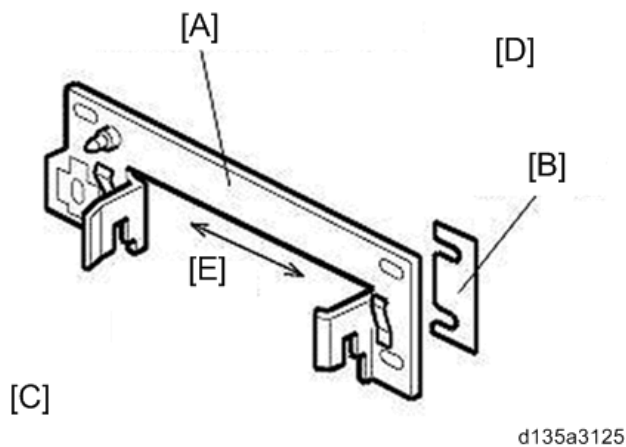
1. Check to see if the paper is skewed when it is exited from the machine.
2. If skew correction is required, dock the finisher to the copier using the **M4x20** screws included with the finisher.

Note

- This is because the M4x14 screws will not be long enough when the spacer(s) are attached.

Important

- When you attach the bracket, attach the spacer(s) as follows:
 - If the leading edge is skewed about 2mm toward the **front** (operator) side of the machine, attach a 2mm spacer to the **rear** side of the connecting bracket.
 - If the leading edge is skewed about 2mm toward the **rear** (non-operator) side of the machine, attach a 2mm spacer to the **front** side of the connecting bracket.



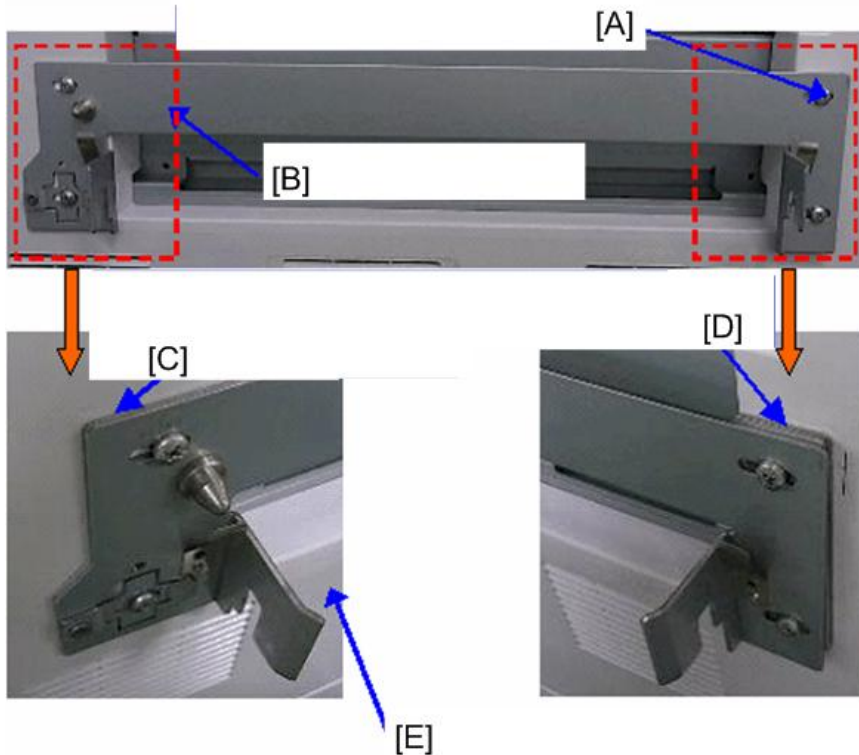
[A]: Joint Bracket

[B]: Spacer

[C]: Finisher side

[D]: Main machine (Mainframe) side

[E]: Adjustable direction



d135a3126

[A]: Screws (with spacer(s): M4 x 20, without spacer(s): M4 x 14)

[B]: Joint Bracket

[C]: Without spacer

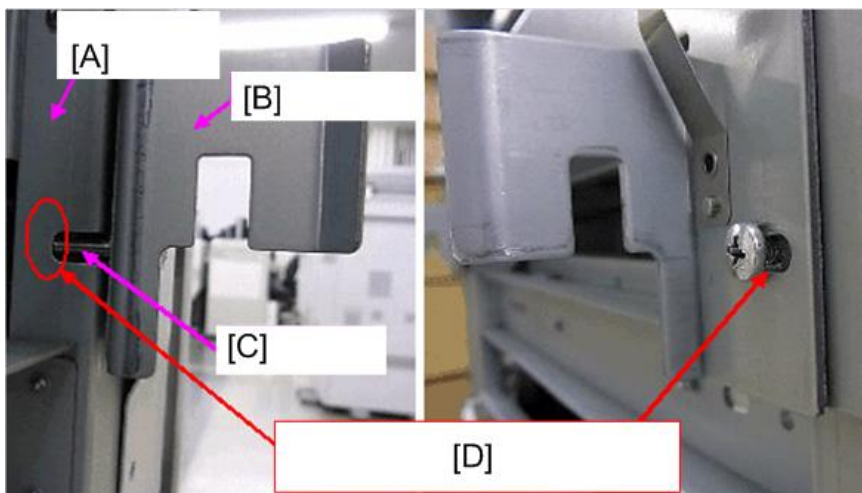
[D]: With 1-2 spacers

[E]: Exterior Cover

- 3.** If skew correction is **NOT** required, dock the finisher to the copier using the **M4x14** screws included with the finisher.

Note

- This is because without the spacer, the M4x20 screws are too long and the bracket cannot be fastened in place.



d135a3127

2.Installation

[A]: Folding Unit

[B]: Joint Bracket

[C]: Screw (M4 x 20)

[D}: Screw is too long and cannot be fully inserted

SP Setting

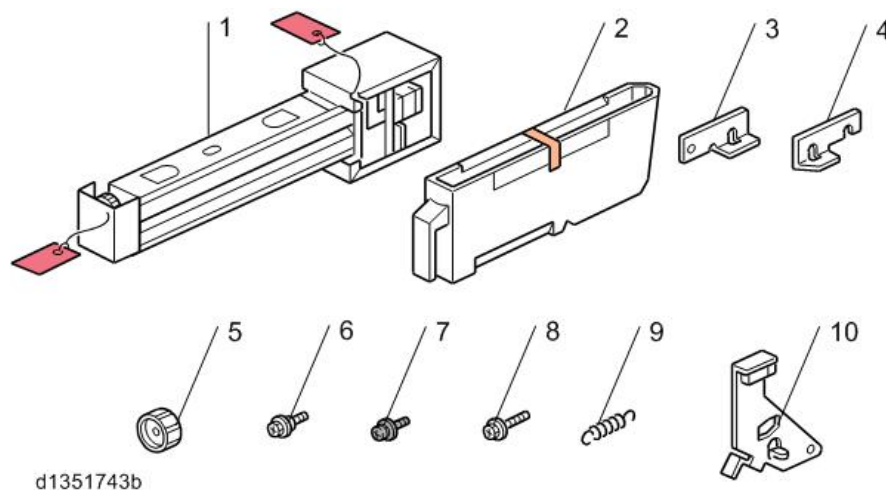
- 1.** Enter the SP mode.
- 2.** Do SP5841-11 and enter the name of the staples used for corner stapling.
 - This is the name that shows when the user prints the Inquiry List.
 - To print this list, push User Tools > [Inquiry] > [Print Inquiry List] > [Start].

Punch Unit PU5000 (B831) (MP C6503/C8003 Only)

Component Check

Check the quantity and condition of the accessories in the box against the following list:

No.	Description	Q'ty
1.	Punch Unit	1
2.	Punch Waste Collection Hopper	1
3.	Spacer (2 mm)	1
4.	Spacer (1 mm)	2
5.	Knob	1
6.	Step Screw	1
7.	Screw (M4 x 6) Black	1
8.	Screw (M3 x 10)	2
9.	Spring	1
10.	Sensor Arm and Sensor	1



Installation Procedure

This punch unit is for the Finisher SR4110 only.

⚠ CAUTION

- Switch the machine off and unplug the machine before starting the following procedure.

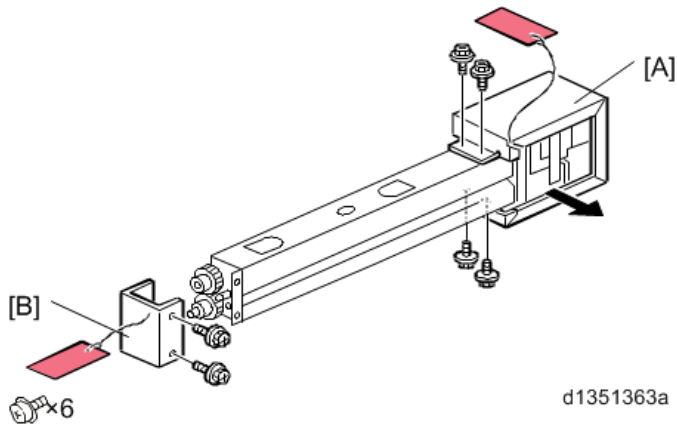
1. If the finisher is connected to the main machine, disconnect it.

2. Installation

2. Unpack the punch unit and remove the stepped screw from the lower section of the unit.

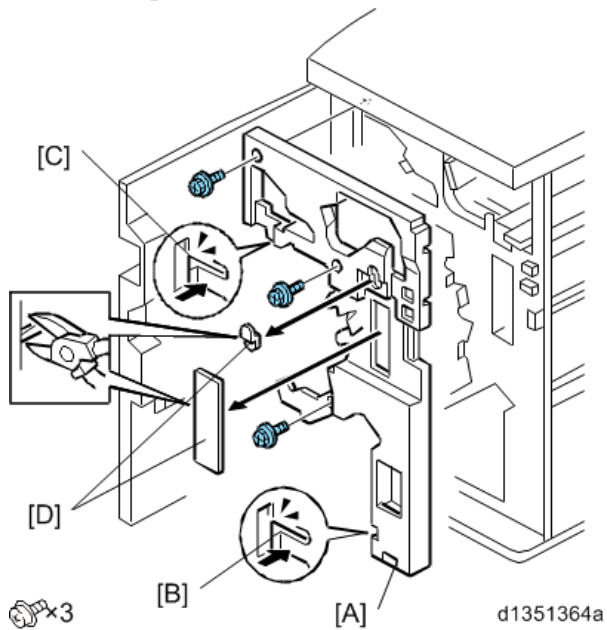


3. Remove the motor protector plate [A].
4. Remove the cam lock plate [B].



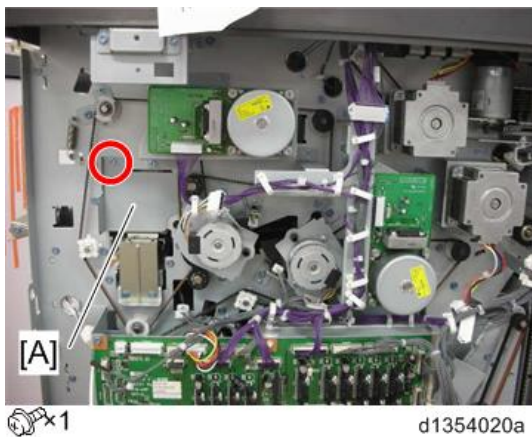
5. Open the front door.
6. Pull out the stapler unit.
7. Remove the inner cover [A]. (M3 x 8)
8. Behind the inner covers at [B] and [C], press the lock tabs to the right to release the inner cover from the frame.

- 9.** Remove the plastic knockouts [D].

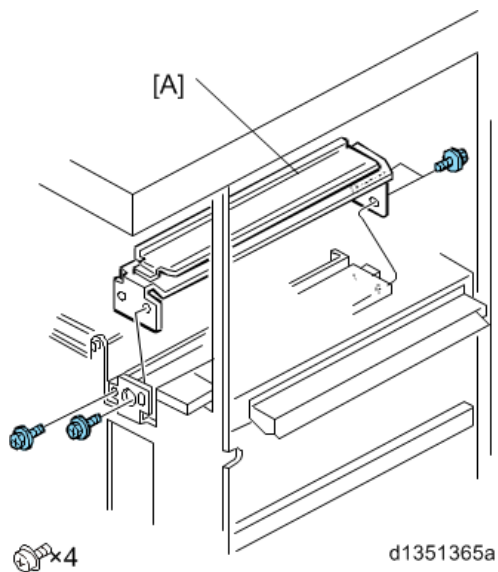


- 10.** Remove the rear cover.

- 11.** Remove the punch cover [A].



- 12.** Remove the paper guide [A].



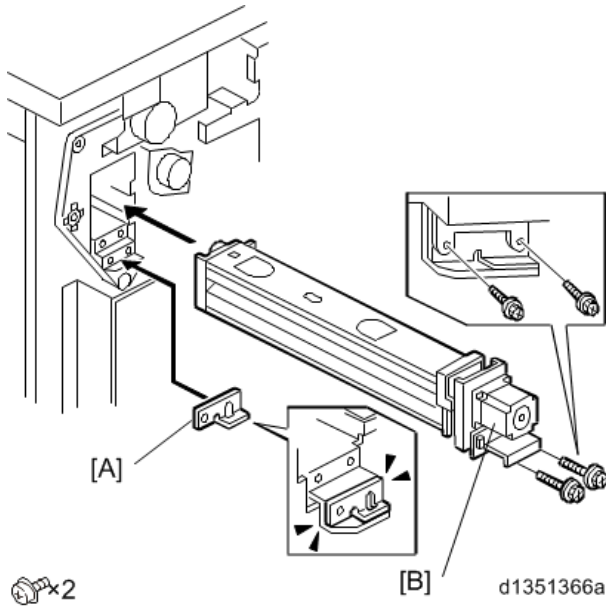
- 13.** Position the 2 mm spacer [A] and attach the punch unit [B]. (M3 x 10)

2.Installation

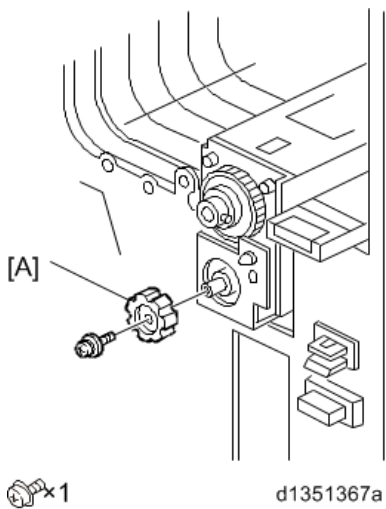
- 14.** Use one of the screws removed from the motor protector plate to fasten the remaining two spacers to the frame as shown.

Note

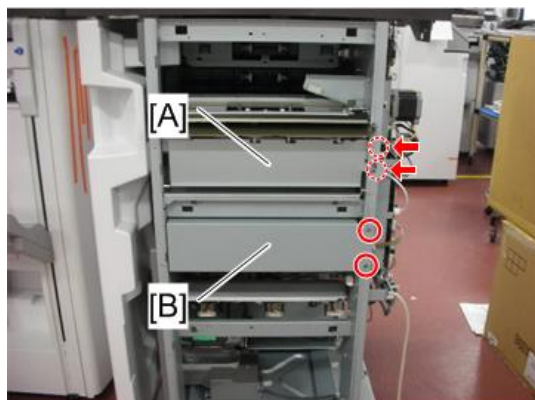
- These extra spacers can be used to adjust the position of the punch holes (front to rear, across the page).



- 15.** At the front, fasten the punch unit knob [A] (M4 x 6).



- 16.** Remove the harness cover [A] and middle cover [B].

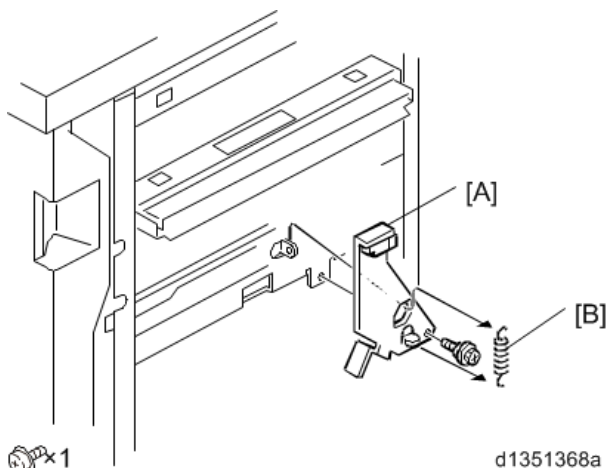


⊗x4

d1354021c

- 17.** Install the sensor arm [A] (small stepped screw (M3 x 4)). Make sure that the sensor arm swings freely on the stepped screw.

- 18.** Attach the spring [B].



⊗x1

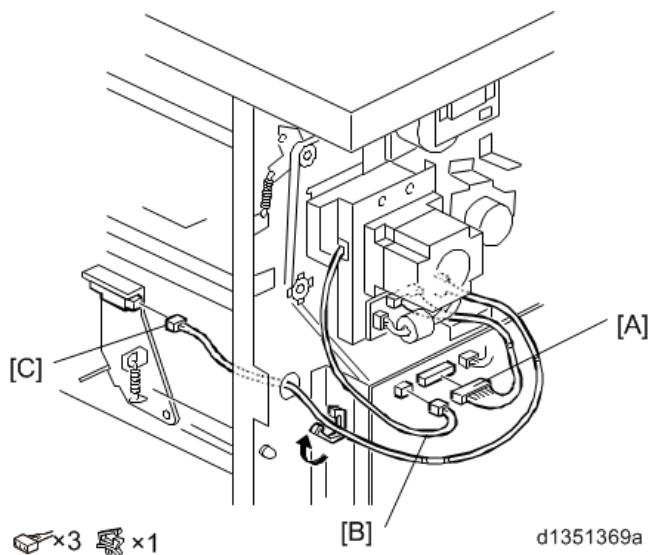
d1351368a

- 19.** Connect the PCB harness connector [A] to **CN135** of the finisher PCB and to **CN600** of the punch unit PCB.
- 20.** Connect the harness [B] to **CN136** of the finisher PCB.
- 21.** Connect the single end of the hopper full sensor connector cable [C] to the hopper full sensor on the arm.

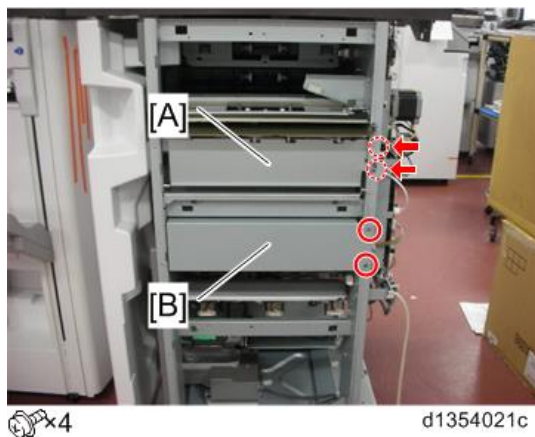
Note

- No special DIP switch settings are required for this punch unit. A signal from the punch identifies itself by sending a signal to the copier.

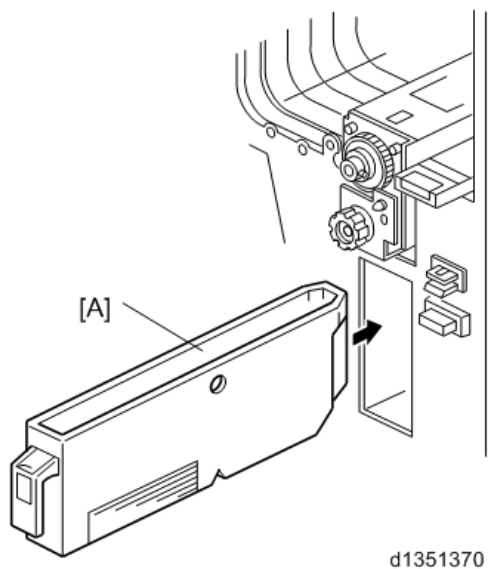
2.Installation



22. Reattach the harness cover [A] and middle cover [B].



23. Slide the punch waste collection hopper [A] into the finisher.



24. Reattach the inner cover and rear cover.

25. Close the front door and re-connect the finisher to the machine.

Cooling Fan Unit Type M31 (D770) (MP C6503/C8003 Only)

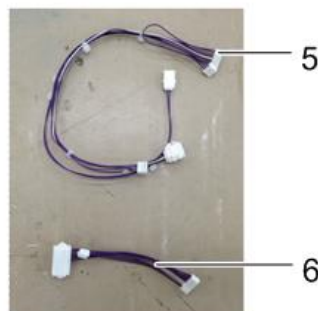
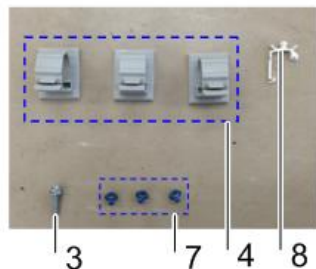
★ Important

- This option can be installed on Finisher SR4110 (D707).
- This option cools down the sheets delivered to the finisher shift tray.

Component Check

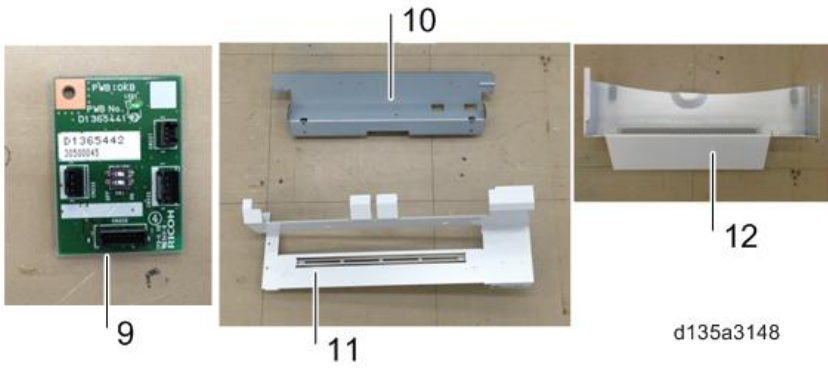
Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Cooling Fan Assembly	1
2	Interface Unit	1
3	Tapping Screw M3 X 16	1
4	Locking Wire Saddle CKN-13	3
5	Harness: Fan: Separation	1
6	Harness: Fan	1
7	Tapping Screw M3 X 6	3
8	Wire Saddle : LWSM-0511A	1
9	PCB: OKB	1
10	Bracket (for Finisher SR4110)	1
11	Lower Cover (for Finisher SR4110)	1
12	Upper Cover (for Finisher SR4110)	1



d770z0001

2. Installation

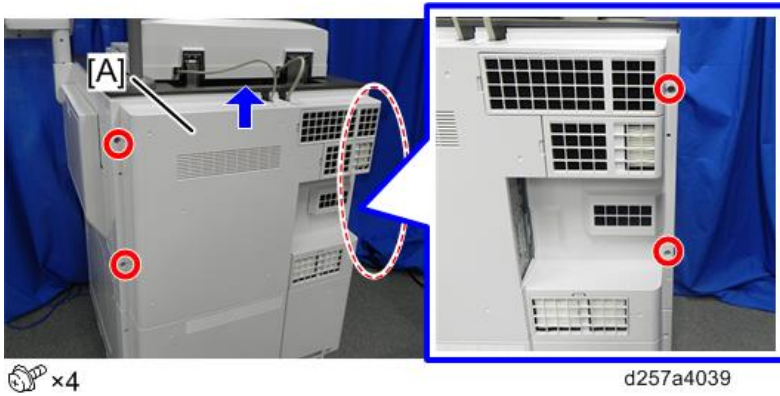


Preparing the Main Machine

⚠ CAUTION

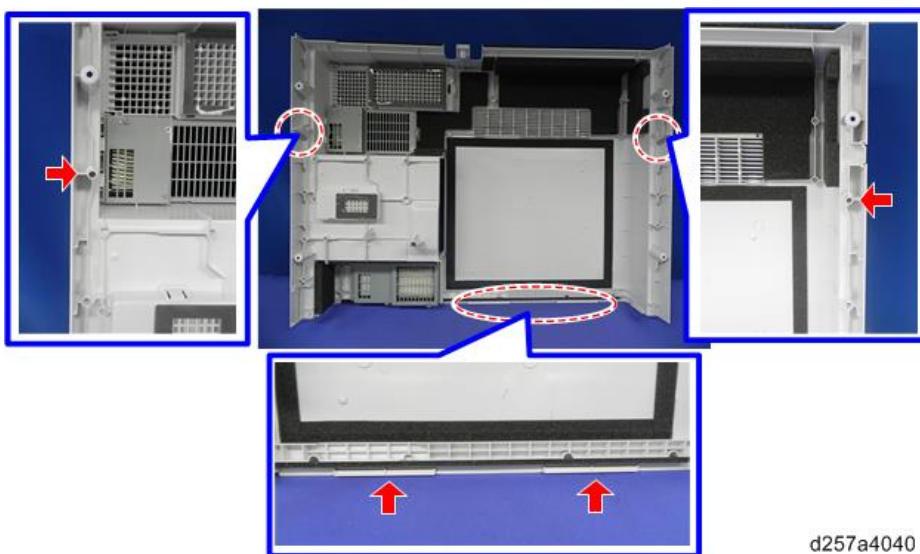
- Always switch the machine off and unplug the machine before doing the following procedure.

1. Remove the rear middle cover.



Note

Check the positions of the bosses and hooks before removing the cover.

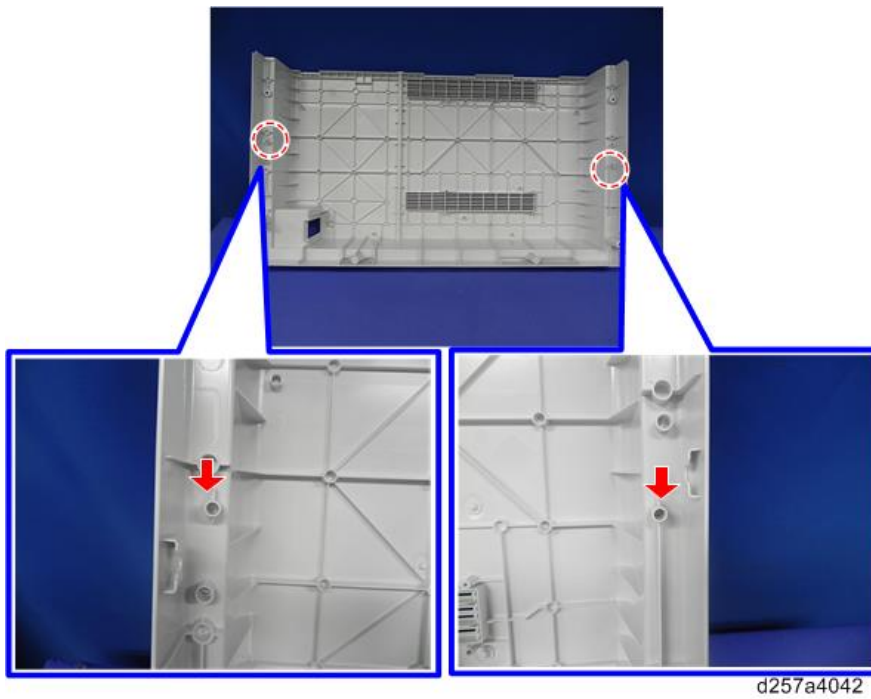


2. Remove the rear lower cover.

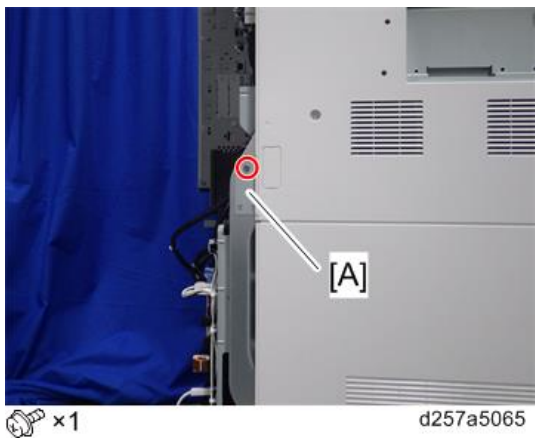


Note

Check the positions of the bosses before removing the cover.

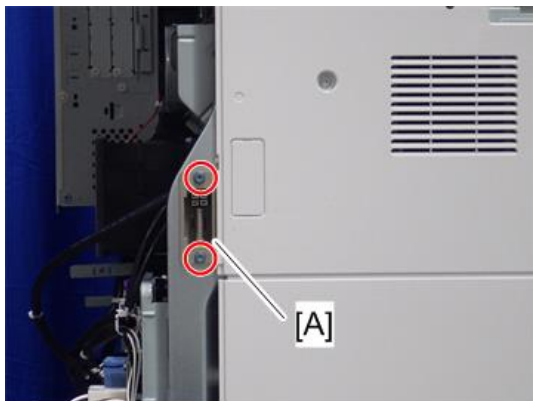


3. Remove the cover [A].



2.Installation

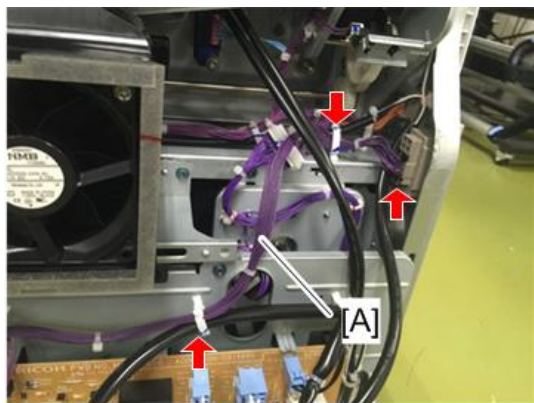
4. Attach the connector [A] provided with the cooling fan unit.



 x2

d257a5066

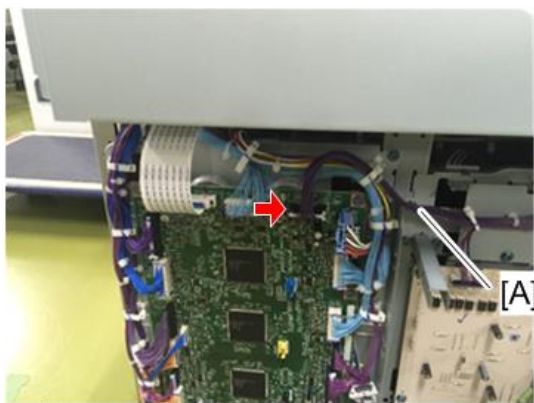
5. Connect the harness [A] provided with the cooling fan unit to the connector, and then clamp the harness.



 x1  x2

d257a5067

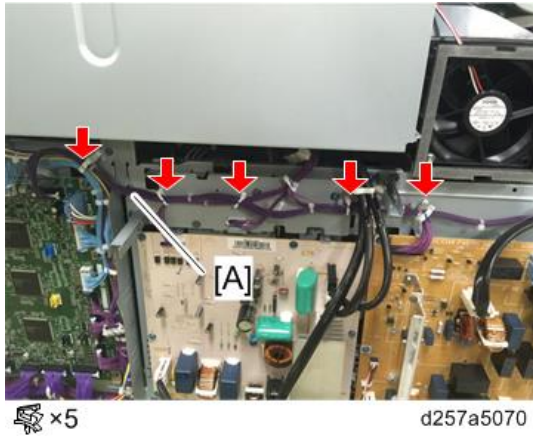
6. Connect the harness [A] to CN272 of the PFB.



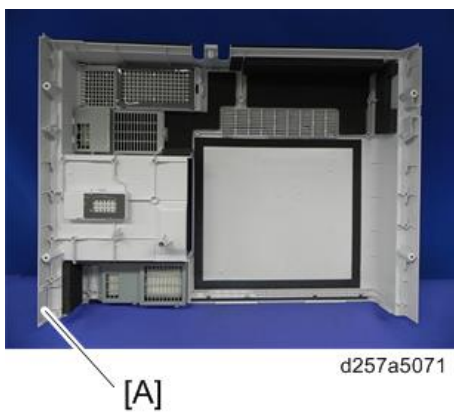
 x1

d257a5069

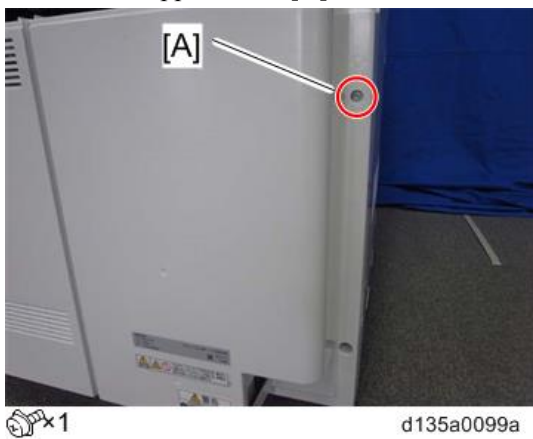
7. Clamp the harness [A].
Pass the harness under the black tubes.



- 8.** Remove the connector cover [A] from the rear middle cover.

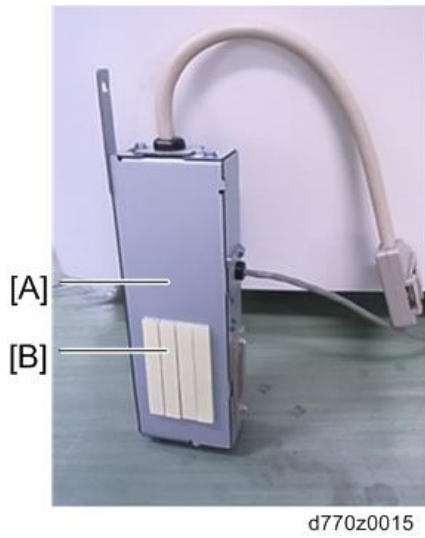


- 9.** Reattach the rear lower cover.
10. Reattach the rear middle cover.
11. Remove the upper screw [A] from the rear lower cover.

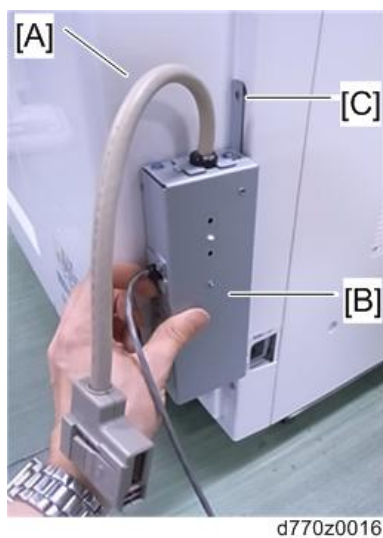


2.Installation

- 12.** Peel off the tapes from the Velcro [B] attached to the interface unit [A] (accessory #2).



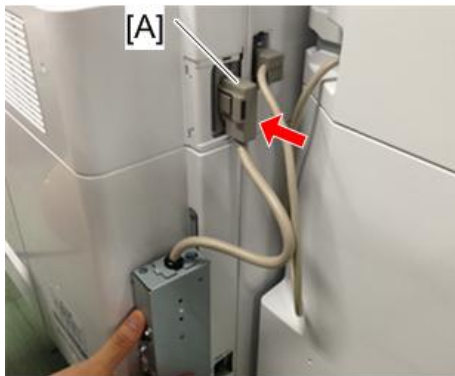
- 13.** Align the screw hole [C] with the screw hole in the cover [A], and attach the interface unit [B] with its Velcro against the surface of the cover.



- 14.** Attach the interface unit [A] to the lower left cover with an M3x16 screw (accessory #3).



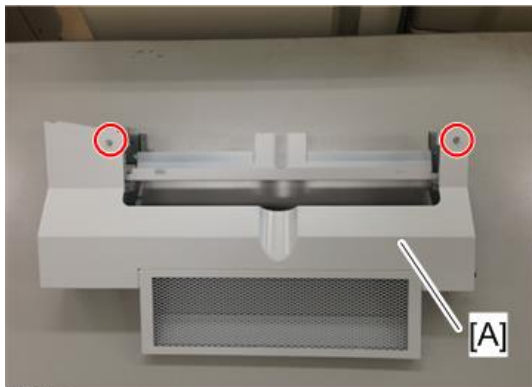
15. Connect connector [A] to the copier.



d770z0018

Cooling Fan Unit Installation

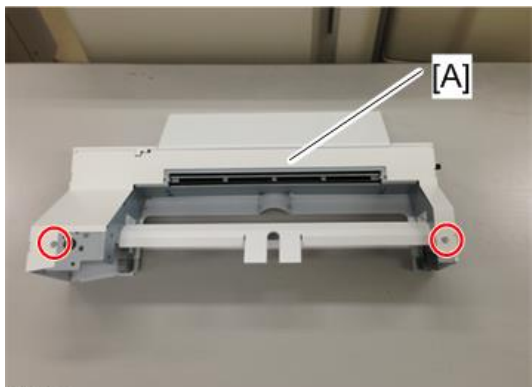
1. Remove the upper cover [A] from the cooling fan assembly.



x2

d770z0051a

2. Remove the lower cover [A] from the cooling fan assembly.

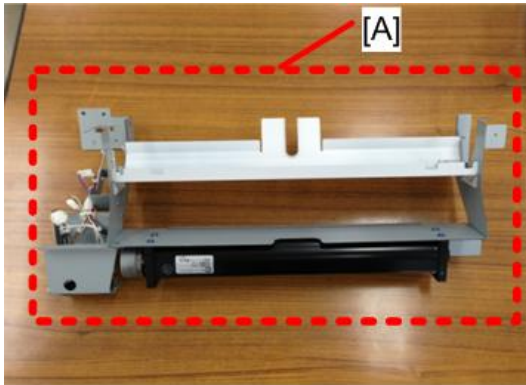


x2

d770z0052a

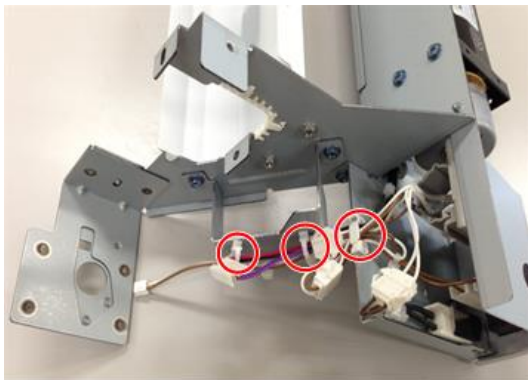
2.Installation

- 3.** Place the fan assembly [A] on a table with the upper and lower covers removed.



d770z0053

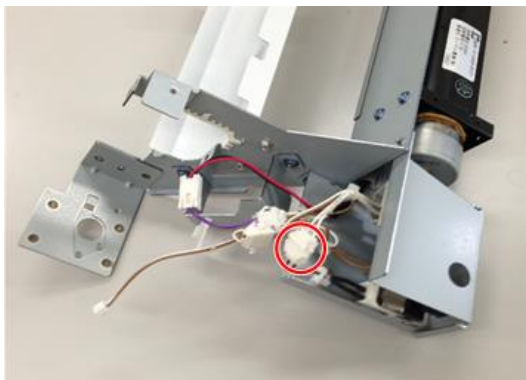
- 4.** Release the 3 clamps attached to the cooling fan assembly.



 x3

d770z0054a

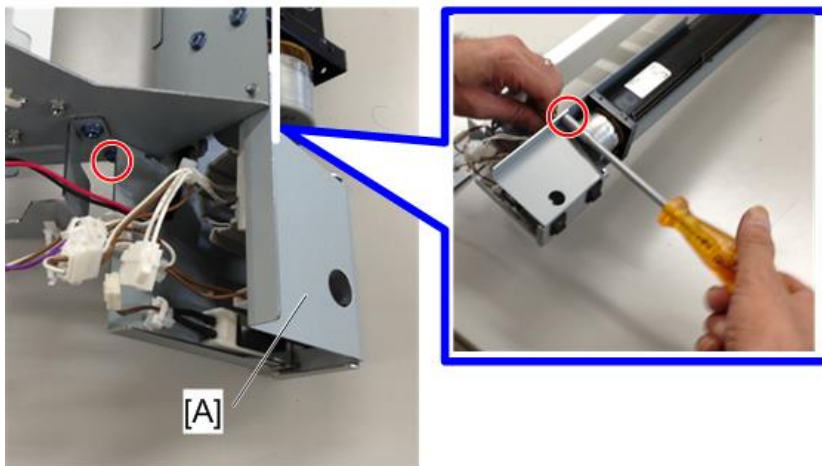
- 5.** Disconnect the connector.



 x1

d770z0055a

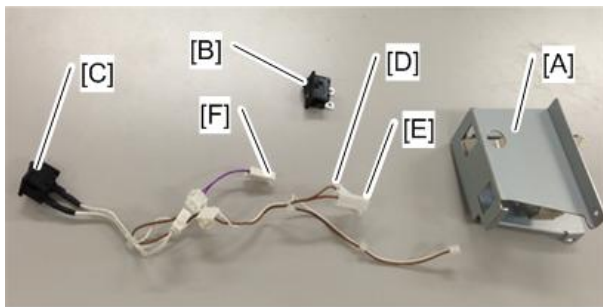
- 6.** Remove the bracket [A].



⚙️ ×2

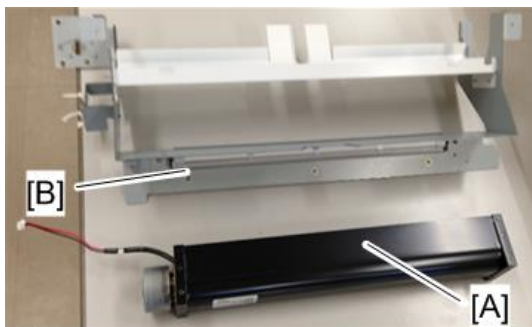
d770z0056a

- 7.** Remove the rocker switches [B] and [C] from the bracket [A] removed in step 6 (connectors [D], [E] and [F]).



d770z0057

- 8.** Remove the fan motor [A] from the bracket [B].

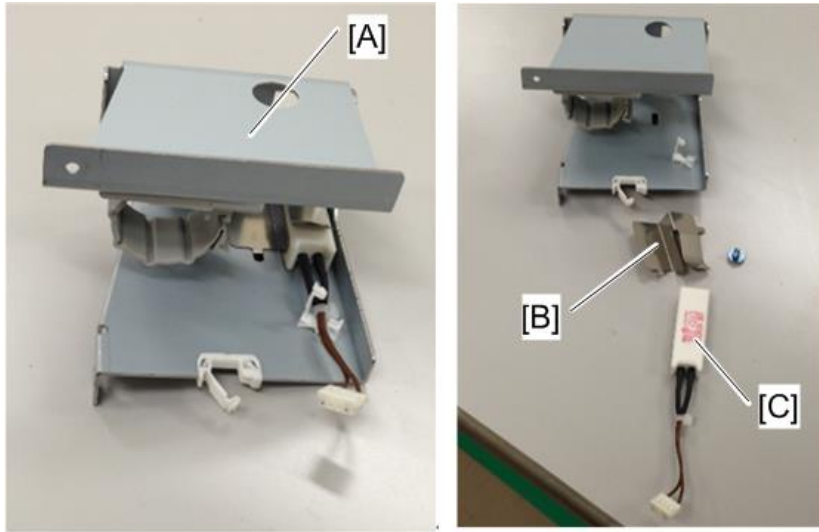


⚙️ ×4 ⚙️ ×1

d770z0058a

2.Installation

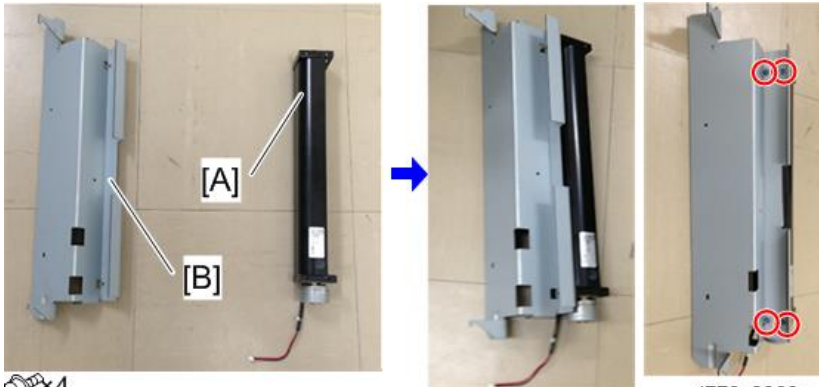
- 9.** Remove the spring plate [B] and the resistor harness [C] from the bracket [A].



 x1

d770z0059a

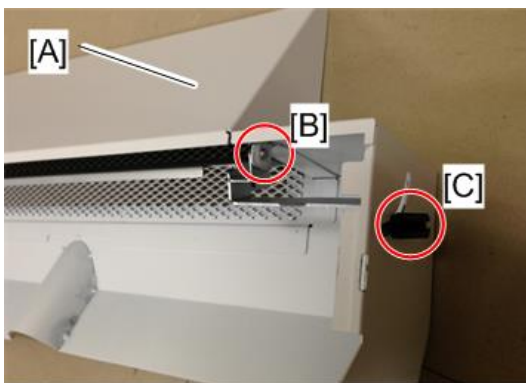
- 10.** Assemble the fan motor [A] and bracket [B] (for Finisher SR4110) (accessory #10).



 x4

d770z0060a

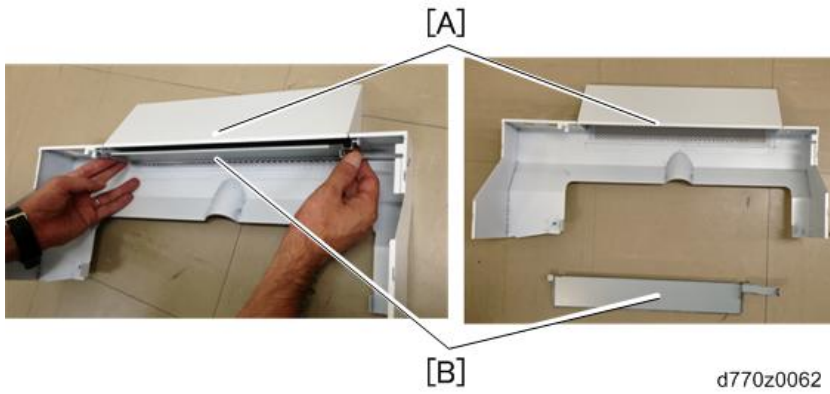
- 11.** Remove the knob screw [C] and snap ring [B] from the upper cover [A] removed from the cooling fan unit in step 1.



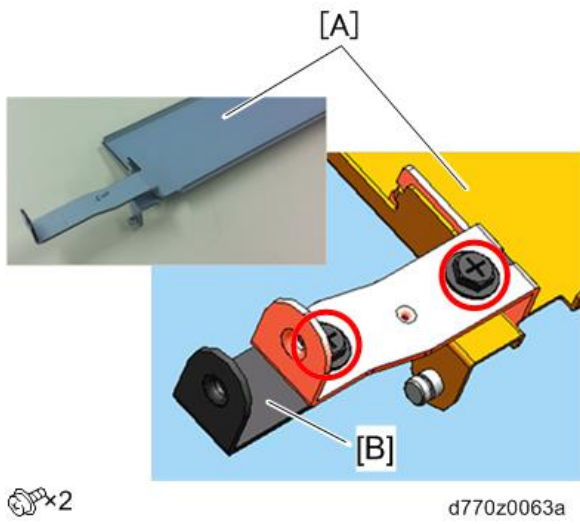
 x1

d770z0061a

- 12.** Remove the air shield [B] from the upper cover [A].

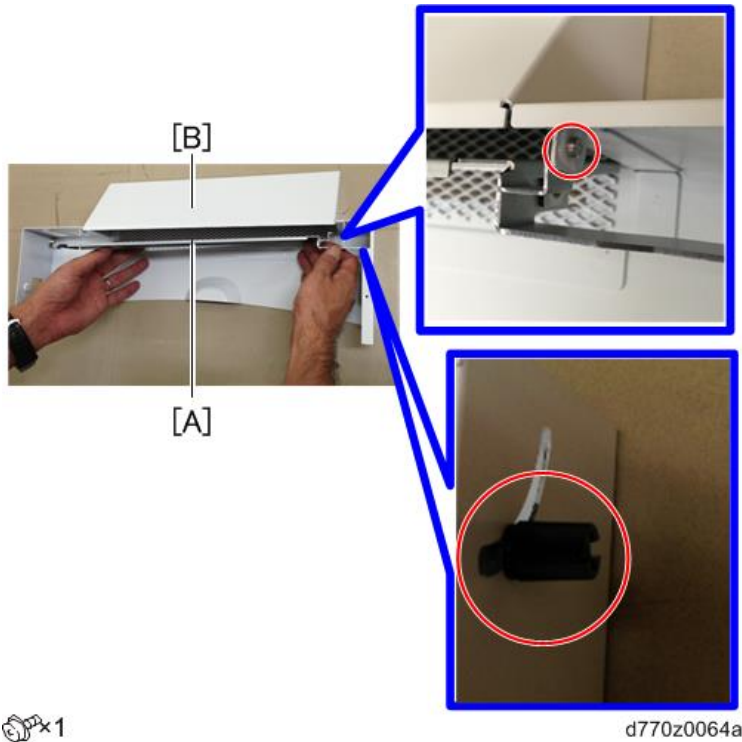


- 13.** Remove the bracket [B] from the air shield [A].

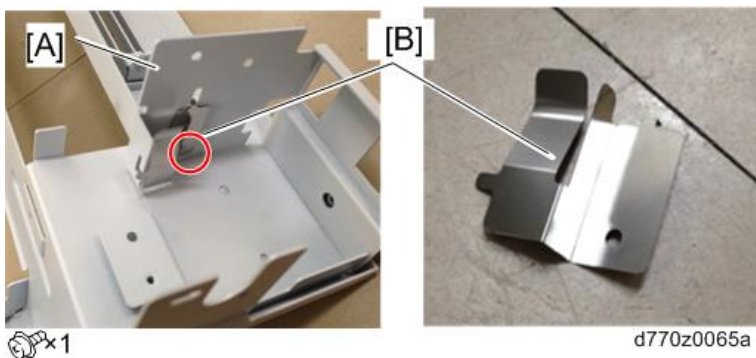


2.Installation

- 14.** Assemble the air shield [A] and Upper Cover (for Finisher SR4110) [B] (accessory #12) with the snap ring and knob screw removed in step 11.

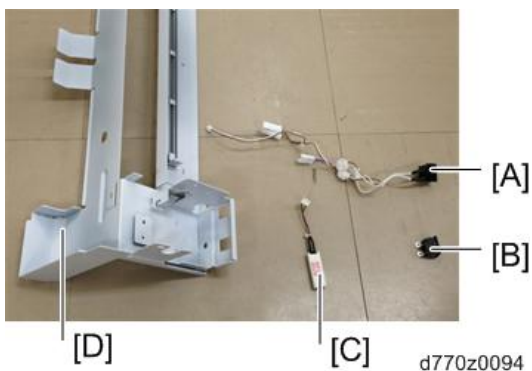


- 15.** Attach the spring plate [B] removed in step 9 to the Lower Cover (for Finisher SR4110) (accessory #11) [A].



- 16.** Prepare the following parts:

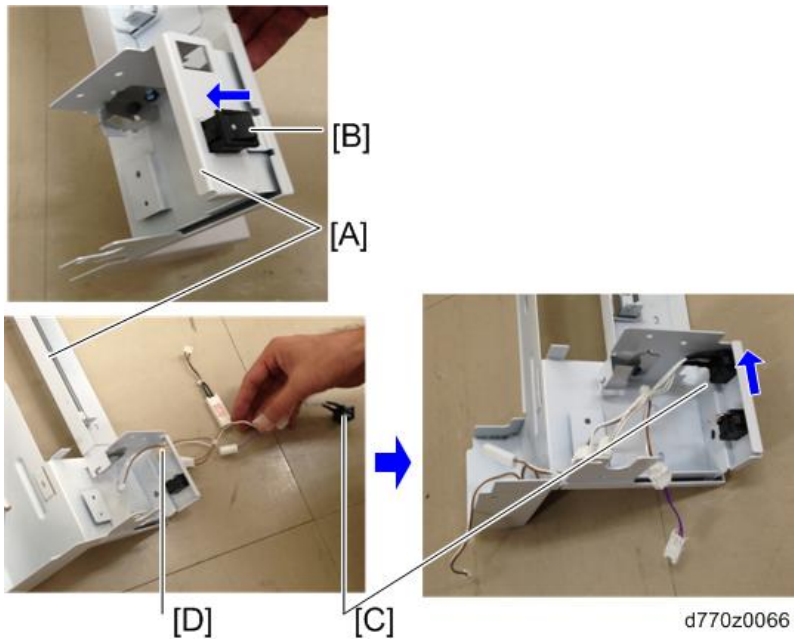
- Rocker switches [A] and [B]
- Harness removed in step 9 [C]
- Lower cover of Finisher SR4110 [D]



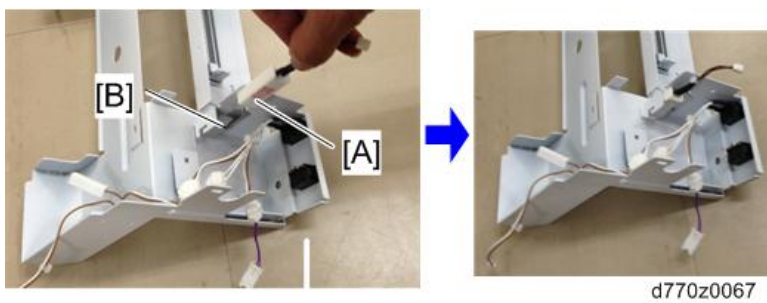
17. Route the harnesses through the openings [D], and attach the rocker switches [B] and [C] to the lower cover of Finisher SR4110 [A].

★ Important

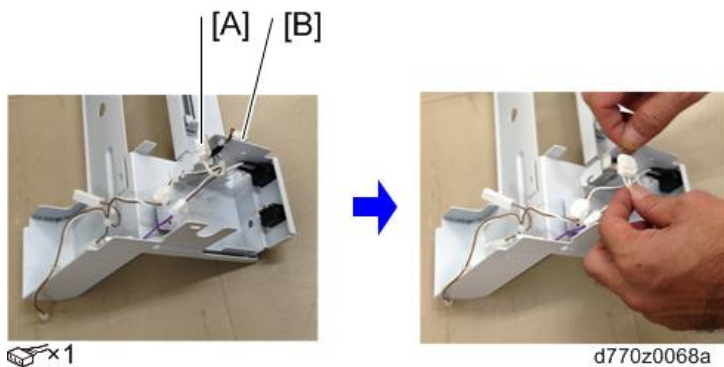
- Attach the rocker switch [B] so that the white dot is to the side indicated with the arrow in the photo below.
- Attach the rocker switch [C] so that the side connected with the harness corresponds to the direction of the arrow shown in the photo below.



18. Insert the resistor harness [A] into the spring plate [B].

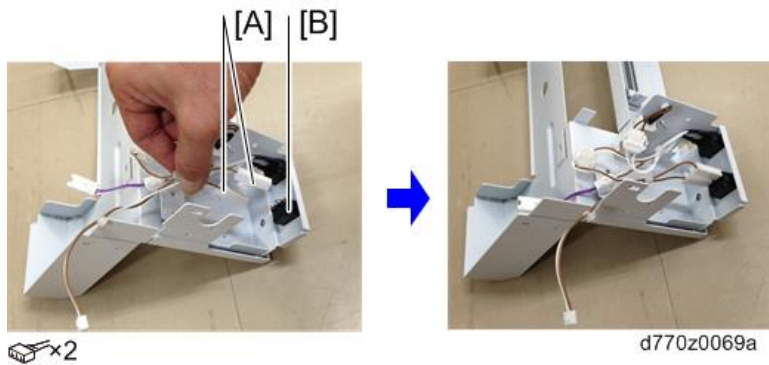


19. Connect the connectors [A] and [B].

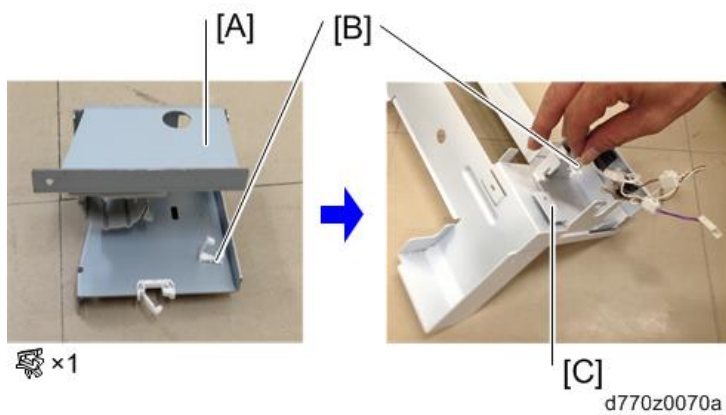


2.Installation

20. Connect the 2 connectors [A] to the rocker switch [B].



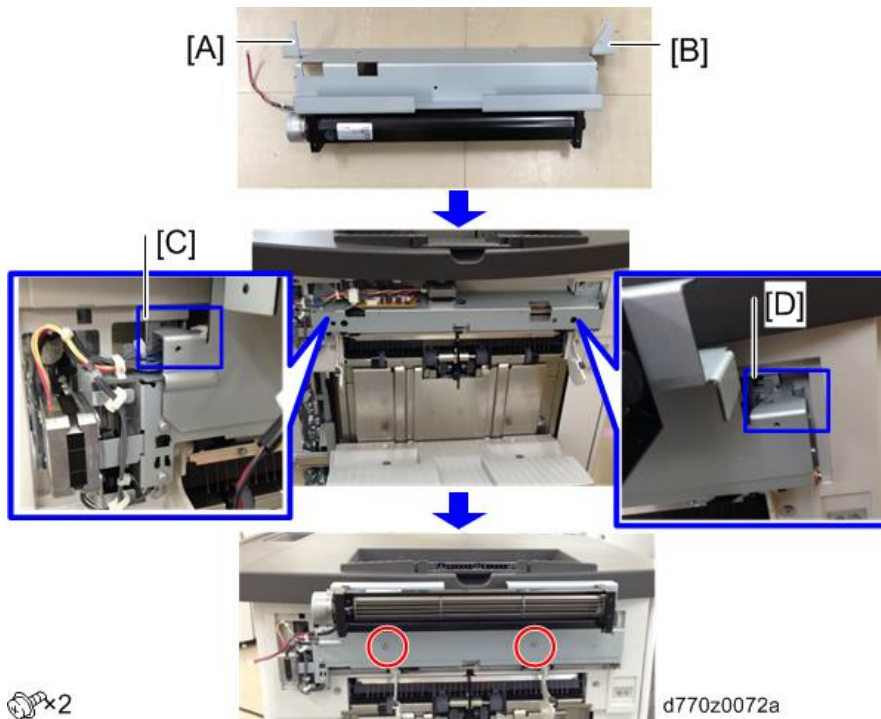
21. Remove the clamp [B] from the bracket [A] removed in step 7. Then attach the clamp [B] to the hole [C] in the lower cover of Finisher SR4110.



22. Remove the jogger unit cover [A] from Finisher SR4110.



- 23.** Mount the fan motor unit on Finisher SR4110 by aligning the hooks [A] and [B] with the cutouts [C] and [D].



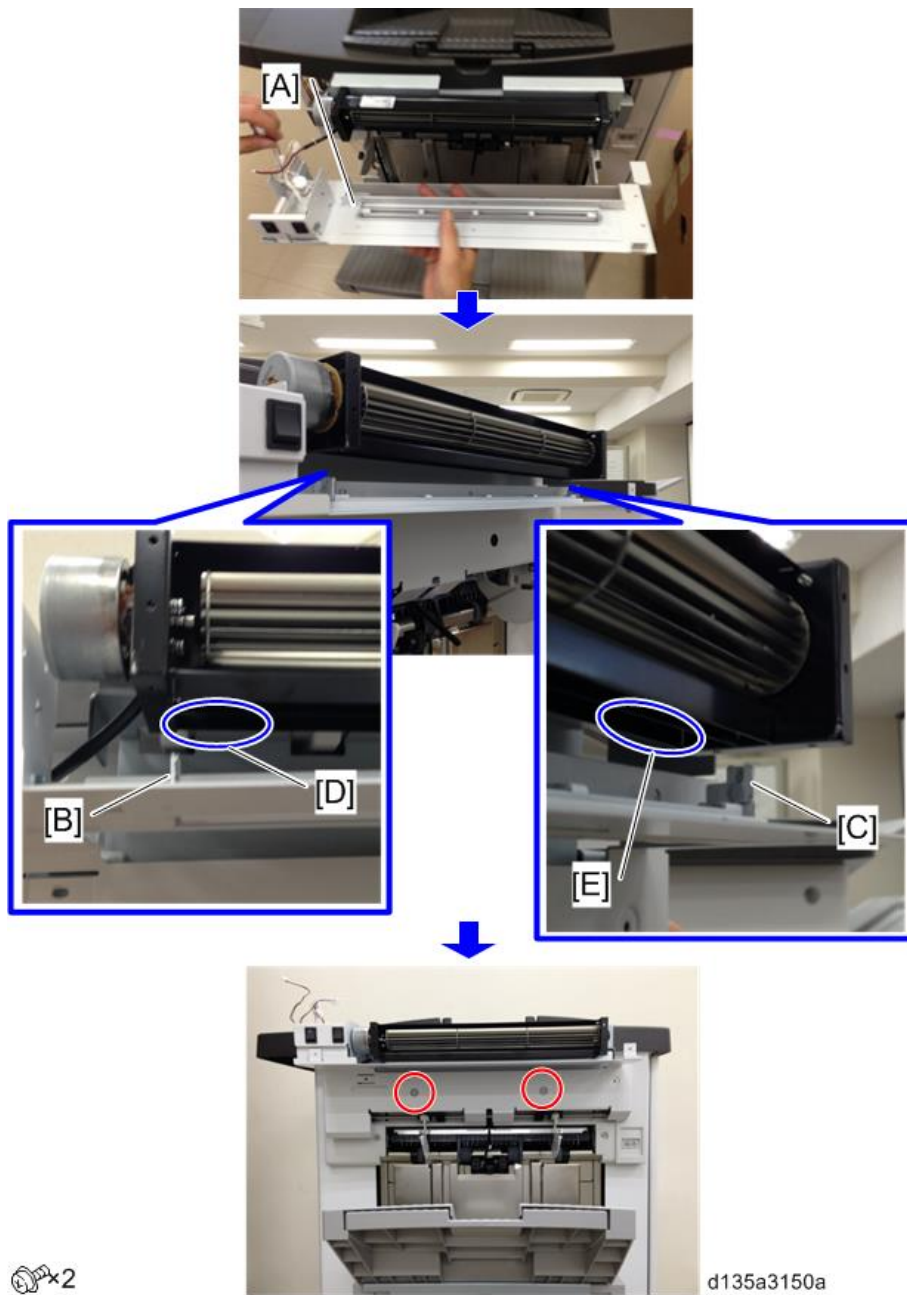
 x2

- 24.** Attach the lower cover [A] assembled in step 21 by inserting the tabs [B] and [C] into the grooves [D] and [E] located under the cooling fan unit.

Note

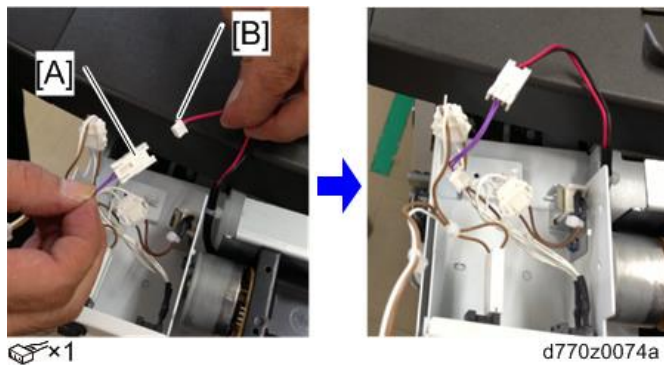
- Grooves [D] and [E] refer to the wider groove (towards the upstream direction from the unit).

2.Installation



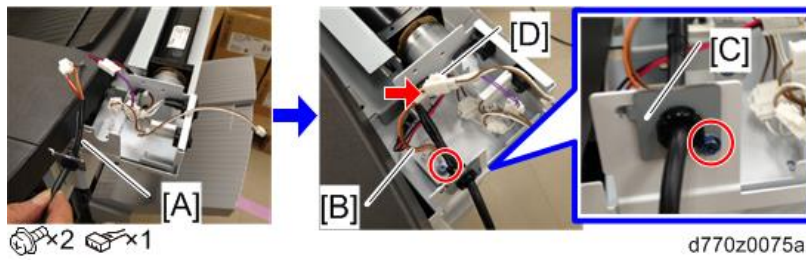
⊗x2

- 25.** Connect the connectors [A] and [B].

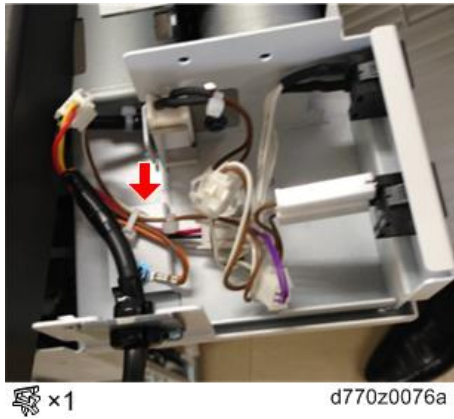


⊗x1

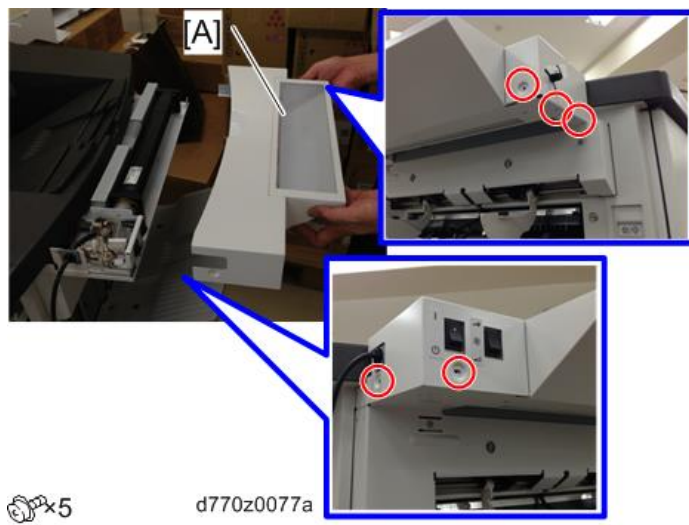
- 26.** Fix the harness [A] from the interface unit mounted on the copier in [Preparing the Main Machine](#).
(Ground wire [B], bracket [C], and connector [D])



27. Clamp the harness.

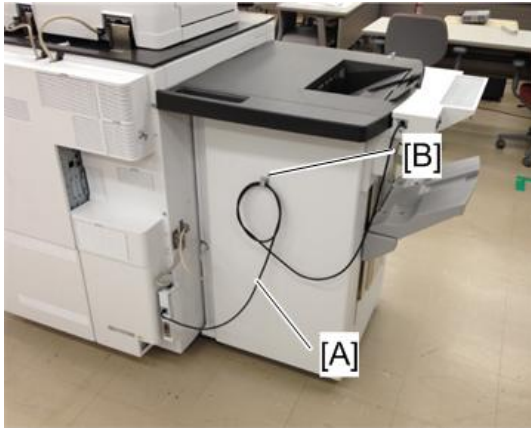


28. Mount the upper cover [A] assembled in step 14 on the cooling fan unit.



2. Installation

- 29.** Bind the harness of the interface unit [A] and clamp it with Locking Wire Saddle CKN-13 [B] (accessory #4).



d770z0078

Note

- Depending on the number of options installed between the copier and Finisher SR4110, 3 pcs of Locking Wire Saddle CKN-13 might be needed to clamp the harness.

Information for Cooling Fan Unit Type M31

Cooling Fan Unit Type M31 activates under the following condition.

Main Power Switch [A] of Cooling Fan Unit Type M31	Mainframe	
	Printing/Copying	Ready status
ON	Active	Inactive
OFF	Inactive	Inactive

Important

- Always keep the main power switch of the Cooling Fan Unit Type M31 **ON**, because the power is supplied from mainframe.
- If the printer is in ready status, the cooling fan unit does **not** activate even with the mainframe power switched ON. The cooling fan is activated **only** while printing or copying.

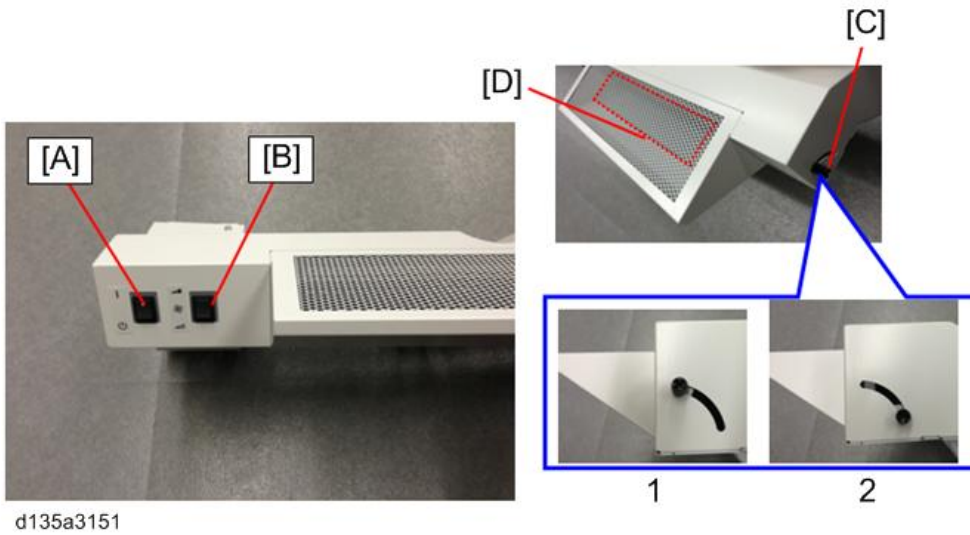
Instruction for Customers

How to adjust the fan power

Cooling Fan Unit Type M31 has a fan power adjustment switch [B]. Fan power can be set to either maximum or minimum. If stacking is poor as a result of excess air volume, set this switch to minimum.

If the air volume needs to be finely adjusted, rotate the knob screw [C], which will let you change the position of the air shield [D] inside the unit. The air shield can be fixed at the desired position by tightening the knob screw.

(The air shield [D] is inside the meshed cover.)



- 1: Maximum air volume
- 2: Minimum air volume

Booklet Finisher SR5080 (D3CA), Finisher SR5070 (D3CB) (Pro C5200S/C5210S Only)

↓ Note

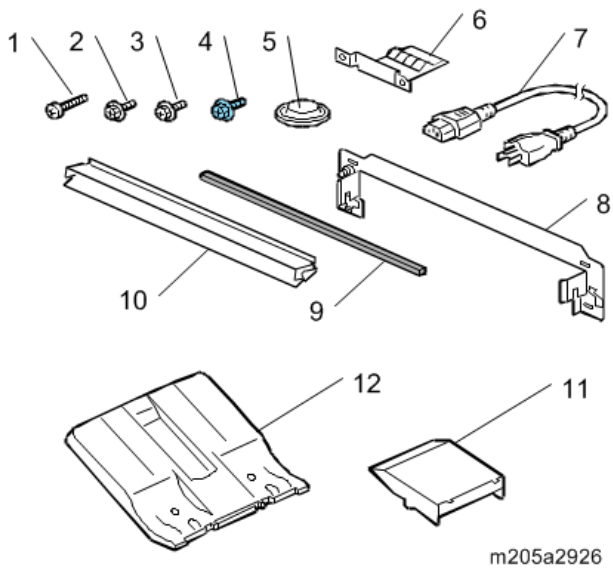
- You cannot install more than one finisher at the same time.

Accessory Check

Check the quantity and condition of the accessories in the box against the following illustration and list.

No	Description	Q'ty	
		SR5070	SR5080
1	Screws M4×20 (Joint Bracket)	4	4
2	Screws M3×8 (Shift Tray)	4	4
3	Screws M3×6 (Ground Plate)	2	2
4	Screws M3×6 (Paper Guide)	2	2
5	Leveling Shoes	4	4
6	Ground Plate	1	1
7	Power Cord*1	1	1
8	Joint Bracket	1	1
9	Sponge Strip	1	1
10	Entrance Guide Plate	1	1
11	Auxiliary Tray - Z-Fold Paper	1	1
12	Shift Tray	1	1
13	Booklet Tray	-	1
14	Front Cover	-	1
15	Rear Cover	-	1
16	Screw M4×14	-	2
17	Screw M3×8	-	2
	Coupling Seal	1	1
	Shift Auxiliary Tray	1	1

*1 In China, do not use this power cord provided with this unit's accessories. Contact your supervisor and use the power cord specified for use in China.



m205a2926



d7340024

Installation Procedure

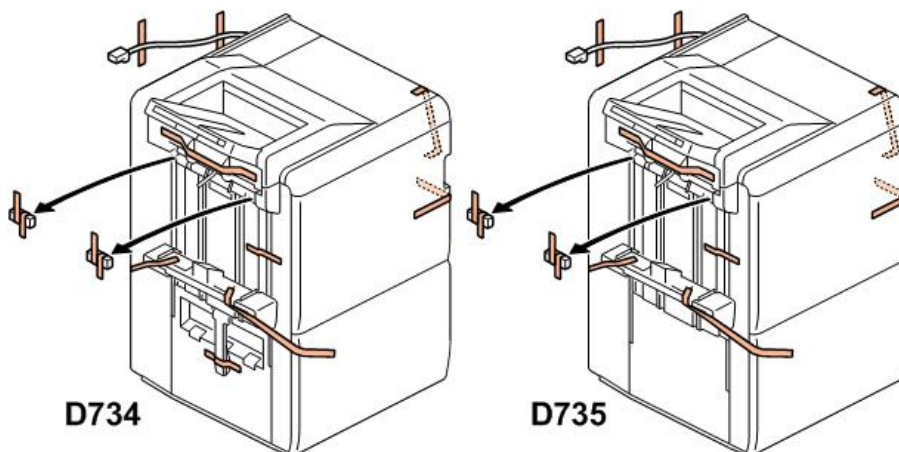
⚠ CAUTION

Turn OFF the machine and disconnect the machine power cord before you do this procedure.

↓ Note

The shipping plates prevent the staple unit from moving during transport. The plates should be kept and re-attached before the unit is transported to another location.

1. Remove all tapes and retainers from the external covers.

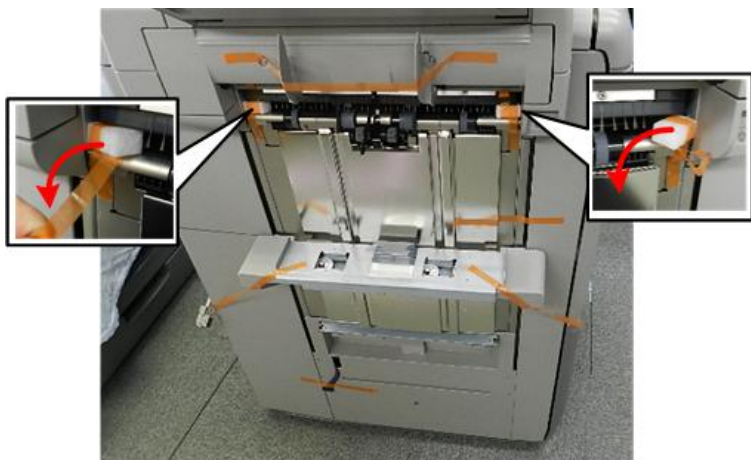


d7340002

2. Installation

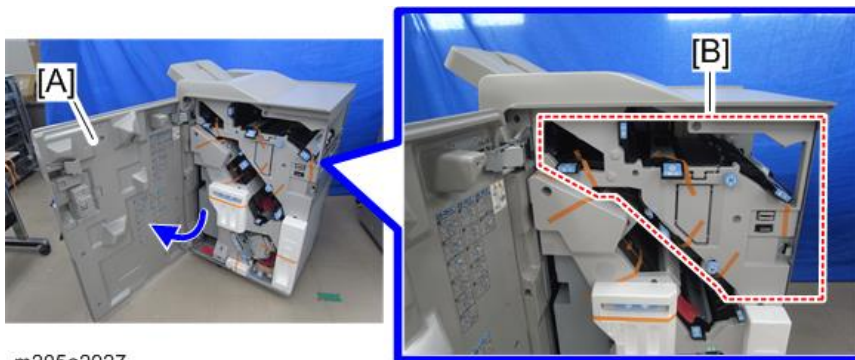
Note

Remove the retainers as shown below.



d7340022

2. Open the front door [A], and then remove the tapes from the upper part of the stacker/stapler unit [B].



m205a2927

3. Remove the shipping plate [A] at the bottom.



⌀ ×2

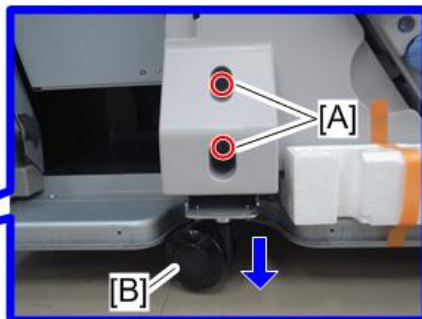
m205a2928a

4. Remove the retainers [A].



m205a2929

5. Loosen the screws [A] of the caster cover.
 6. When the casters [B] touch the floor, tighten the screws of the caster table.



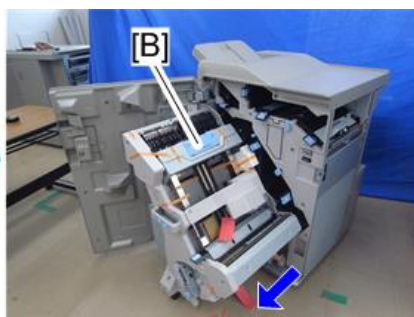
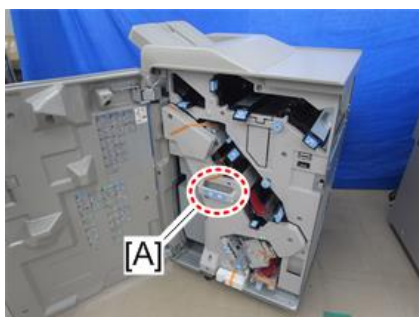
m205a2930a

🔩 ×2

Note

This step relieves stress on the rails of the stacker/stapler unit when it is pulled out of the machine. If the casters come off the floor after the height adjustment of finisher, adjust the height of caster. Otherwise, the guide rail might be strained when you pull out the stacker/stapler unit.

7. Hold the grip [A], and then pull out the stacker/stapler unit [B].

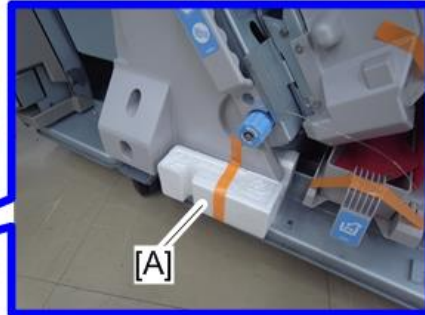


m205a2931

Note

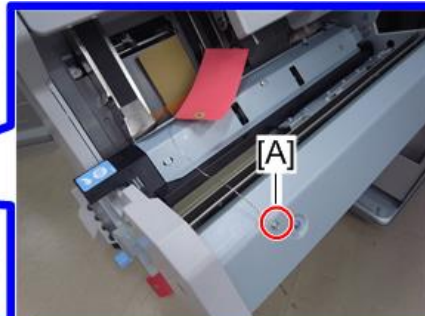
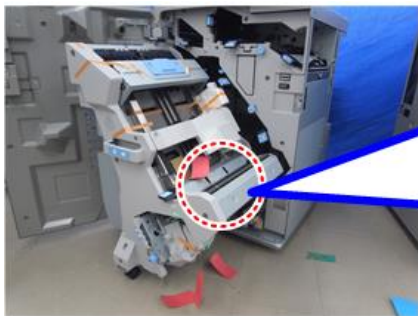
When pulling out the stacker/stapler unit, remove the retainer [A].

2. Installation



m205a2932

- 8.** Remove the retainer (shoulder screw) [A].



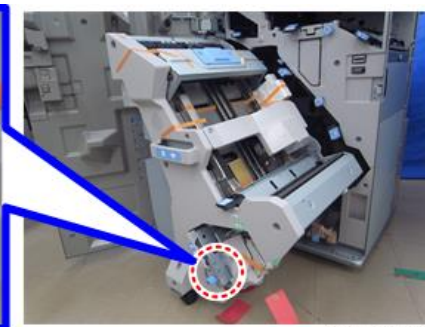
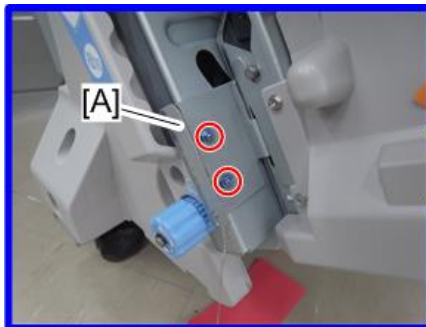
m205a2933a

 ×1

Note

If you turn on the machine while the shoulder screw is attached, an SC error occurs. Remove the shoulder screw with tag and wire.

- 9.** Remove the shipping plate [A].



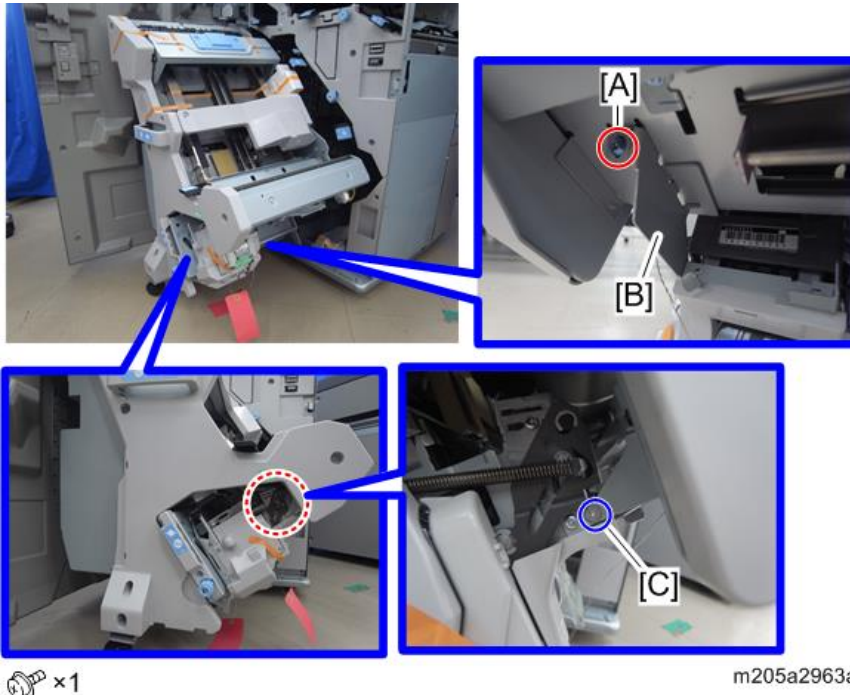
m205a2934a

 ×2

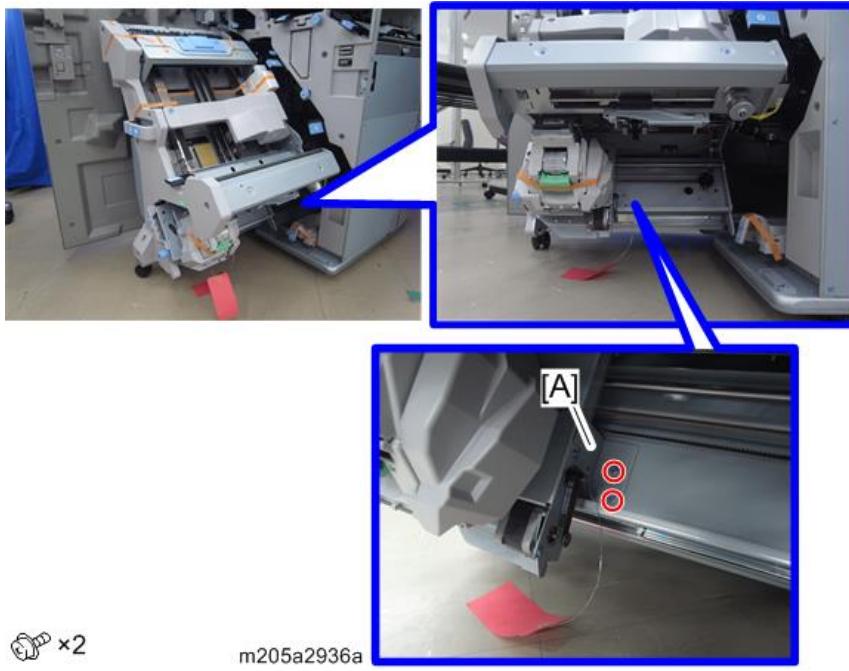
- 10.** Remove the screw [A], and then remove the shipping plate [B].

★ Important

Do not loosen the shoulder screw [C], because it is fastened with a loosening preventer to prevent the screw from becoming loose. The shipping plate [B] is stuck to the screw [C], but the shipping plate [B] can be removed without removing the screw [C].

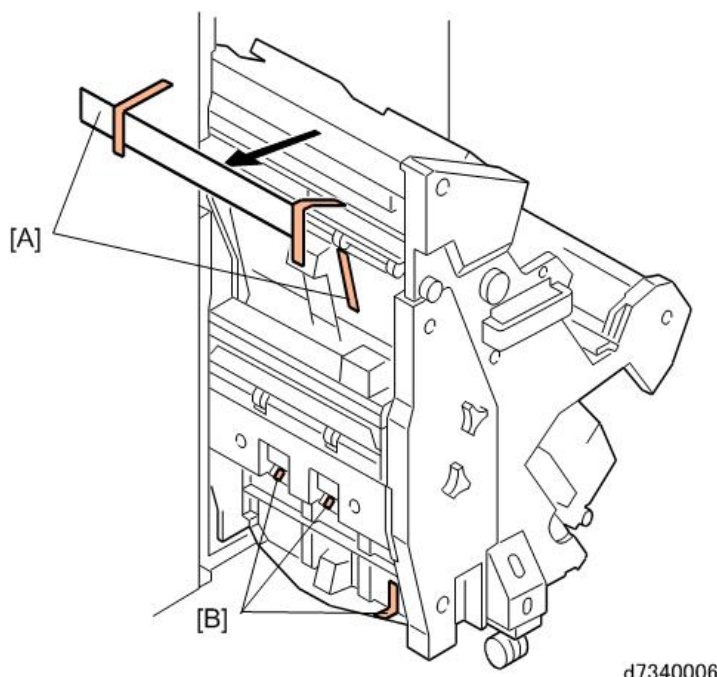


11. Remove the shipping plate [A].

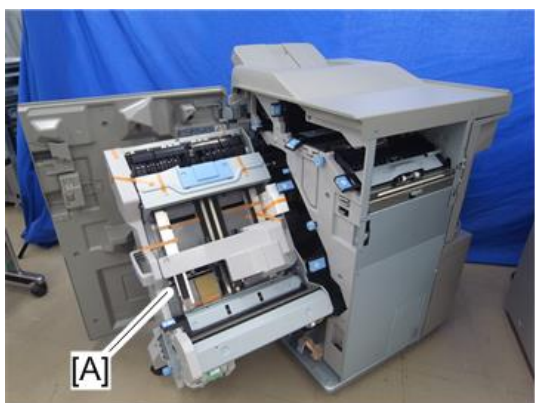


2.Installation

- 12.** Remove the retainers [A] and tapes [B] from the left side of the stacker/stapler unit.



- 13.** Remove the tape and retainers left on the stacker/stapler unit [A].



- 14.** Put the stacker/stapler unit back into the machine, and then remove the tapes from the staple waste box [A].



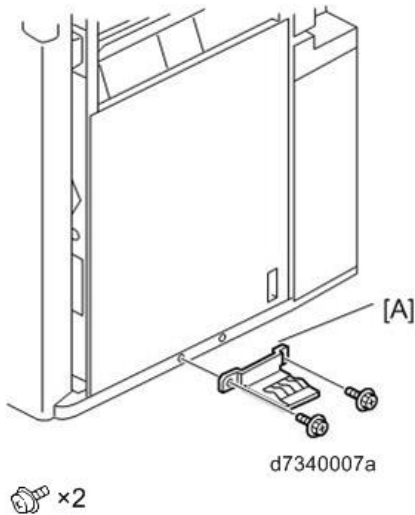
- 15.** At the rear, remove tape from the power cord.



d7340023

Ground Plate

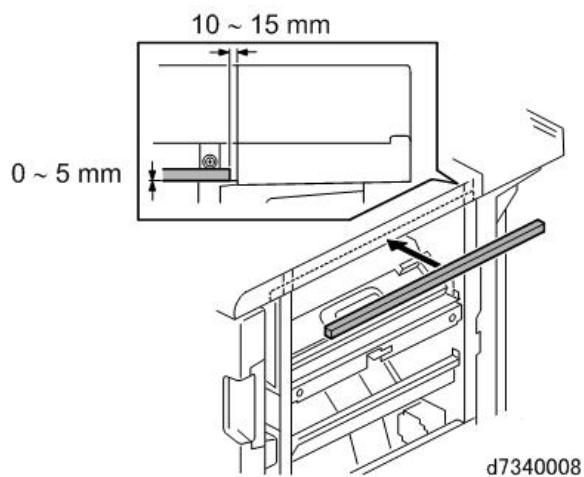
- 1.** Attach the grounding plate [A] to the bottom right edge of the finisher. (M3×6)



Sponge Strips

When you install the finisher on another unit, install the sponge strips.

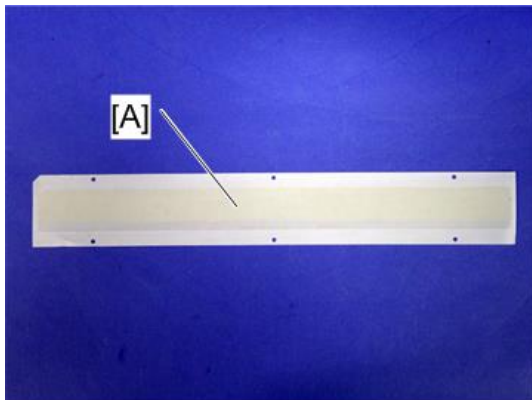
- 1.** Peel the tape from the sponge strip, and then attach the strip to the top right edge of the unit.



2. Installation

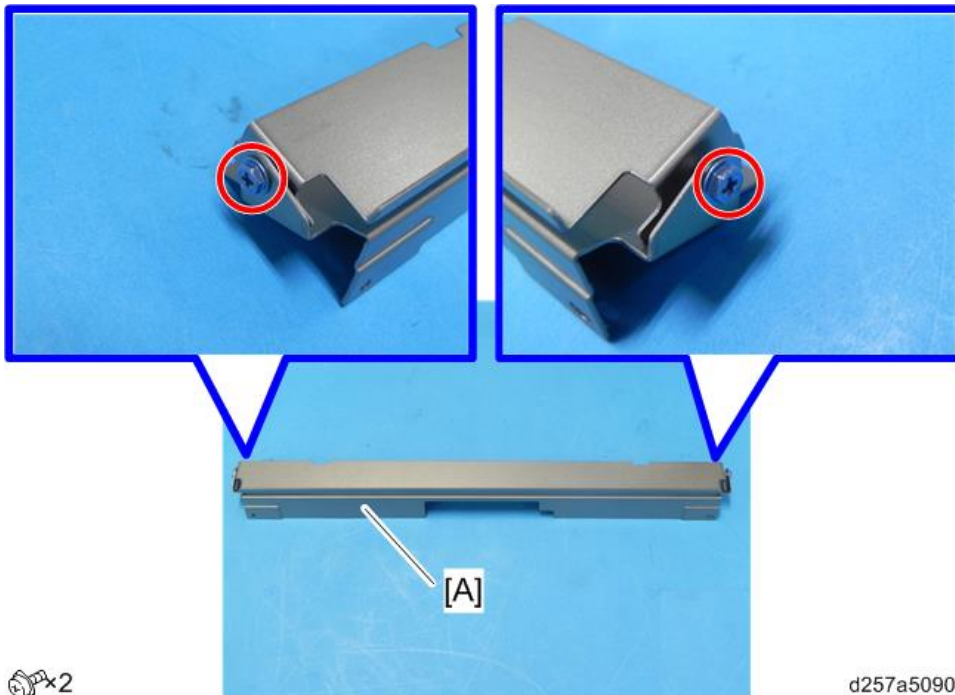
Entrance Guide Plate

1. If the upstream device is the main machine, prepare the guide sheet [A] provided with the main machine.
If the upstream device is not the main machine, proceed to step 5.



d257a5054

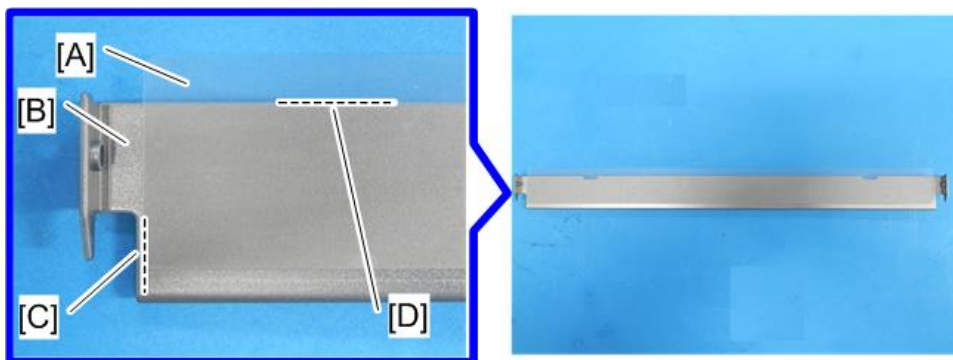
2. Divide the entrance guide plate [A] into two parts.



🔩x2

d257a5090

3. Remove the release paper from the guide sheet [A], and attach the guide sheet to the side of the upper entrance guide plate [B] which becomes the inner side when assembled.

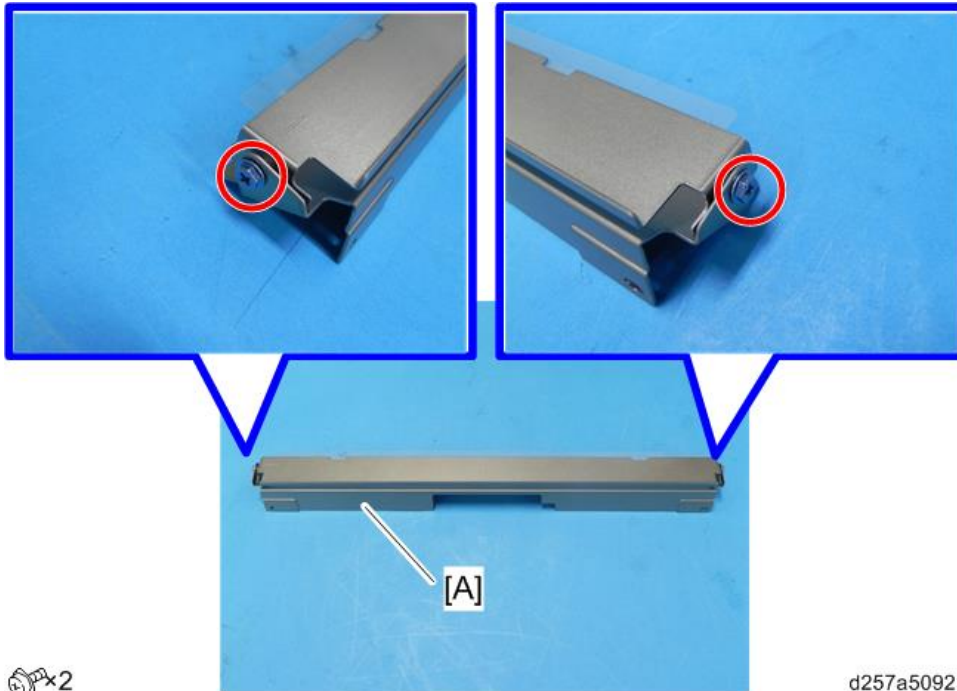


d257a5091

[C]: Align the edge of the guide sheet with the edge of the upper entrance guide plate.

[D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

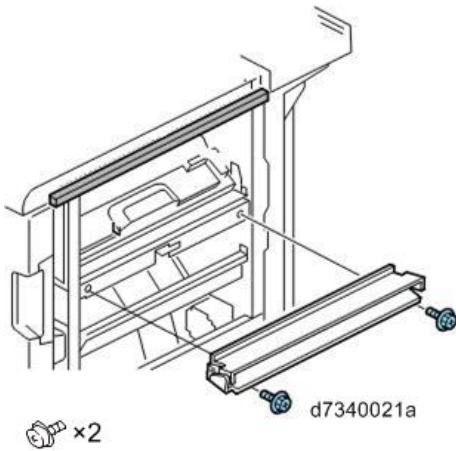
4. Reassemble the entrance guide plate [A].



 x2

d257a5092

5. Attach the entrance guide plate to the right side of the finisher. (M3×6)



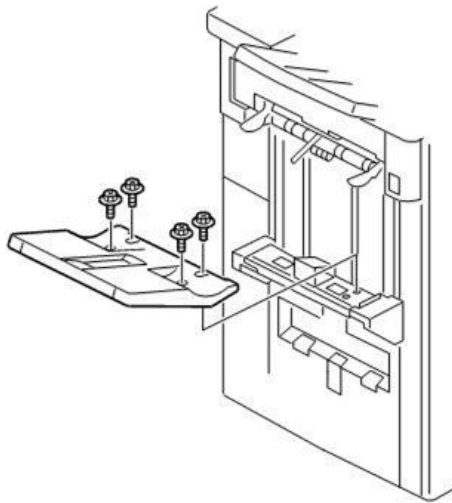
 x2

d7340021a

2. Installation

Shift Tray

1. Attach the shift tray to the left side of the finisher. (M3×8)



×4

d7340010a

Booklet Tray (Only for Booklet Finisher SR5080)

1. On the left side, pull out the interface cable.



d7340025

2. Align the edge of the plate on the tray with the slot on the side of the finisher, and then rotate the finisher up against the side of the machine.



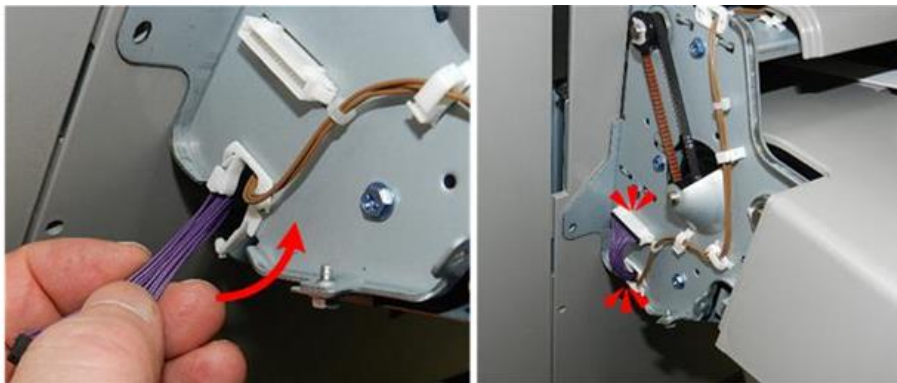
d7340026

3. Make sure that the tabs at the rear [A] and front [B] are inserted in the slots.



d7340027

4. Connect the interface cable to the booklet tray.



 x1  x1

d7340028a

5. Fasten the bottom of the tray at the rear [A] and front [B]. (M4×14)



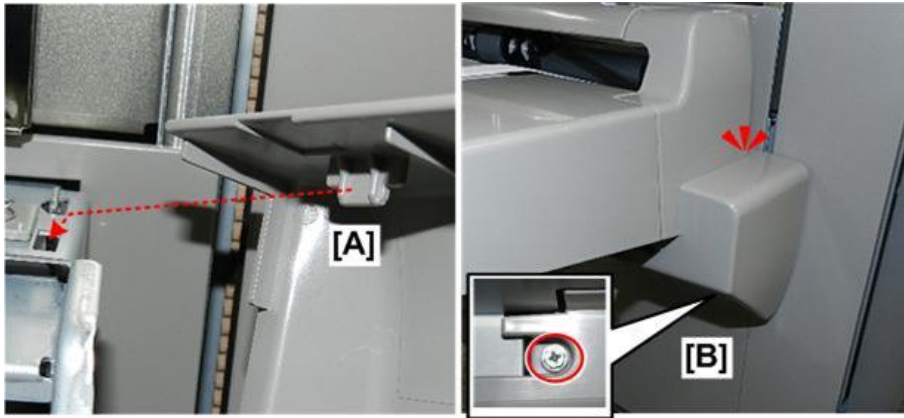
 x2

d7340029a

6. Set the tab of the front tray cover [A] into the hole in the tray frame, and then install the front tray cover on the booklet tray.

2. Installation

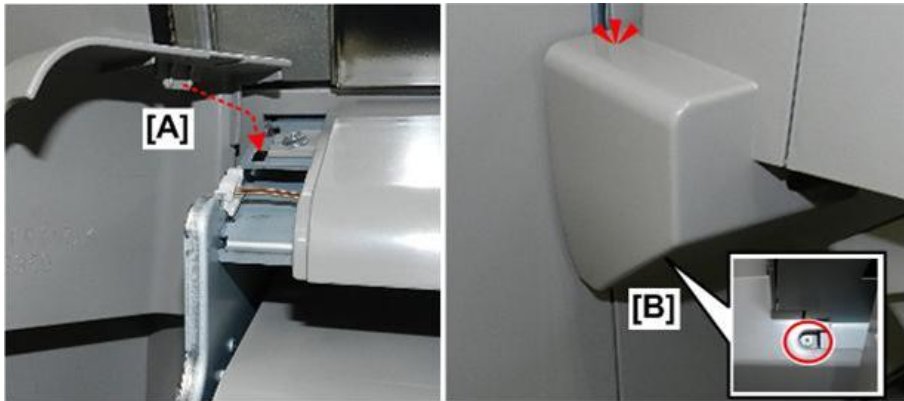
7. Fasten the front tray cover at the bottom [B]. (M3×8)



 ×1

d7340030a

8. Set the tab of the rear tray cover [A] into the hole in the tray frame, and then install the rear tray cover on the booklet tray.
9. Fasten the rear tray cover at the bottom [B]. (M3×8)

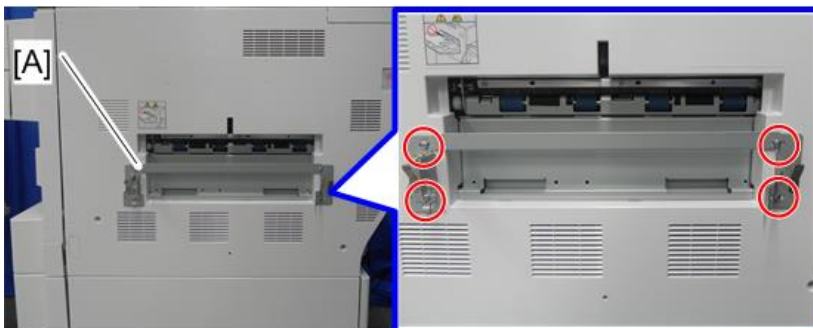


 ×1

d7340031a

Docking to Upstream Units

1. Install the connecting bracket [A] on the left side of the upstream device.
Example picture: Docking the finisher to the main machine



 ×4

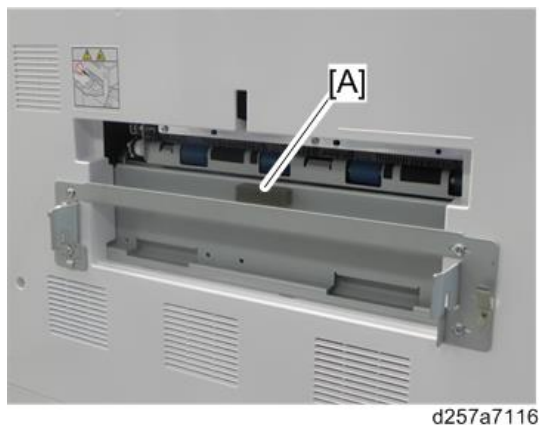
d257a2056

Note

- When the upstream device is the multi-folding unit, use the screw (M4×14) provided with the multi-folding unit.

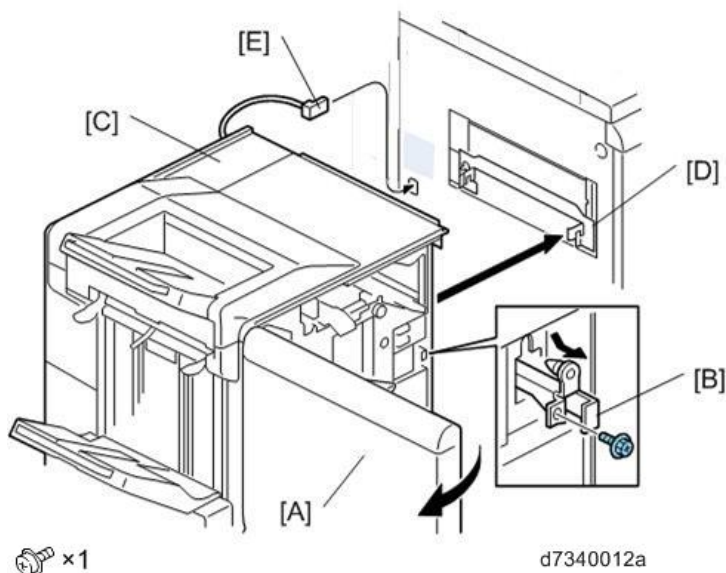
- When the upstream device is the de-curl unit, use the screw (M4×14) provided with the de-curl unit.
- When the upstream device is not the multi-folding unit or the de-curl unit, use the screw (M4×20).

2. Peel off the tape from the cushion [A], and then attach it to the left side of the main machine as shown below.



d257a7116

- 3.** Open the front door [A] of the finisher.
- 4.** At the front right corner, remove the screw of the lock bar [B], and then pull the lock bar toward you until it stops. (M3×6)
Keep this screw. This screw is needed in later procedure.
- 5.** Slowly push the finisher [C] towards the left side of the upstream device.
Make sure that the lock bar [B] of the finisher is directly and squarely under the arms of the connecting bracket [D].
- 6.** Attach the interface cable [E] at the rear of the finisher to the upstream device.

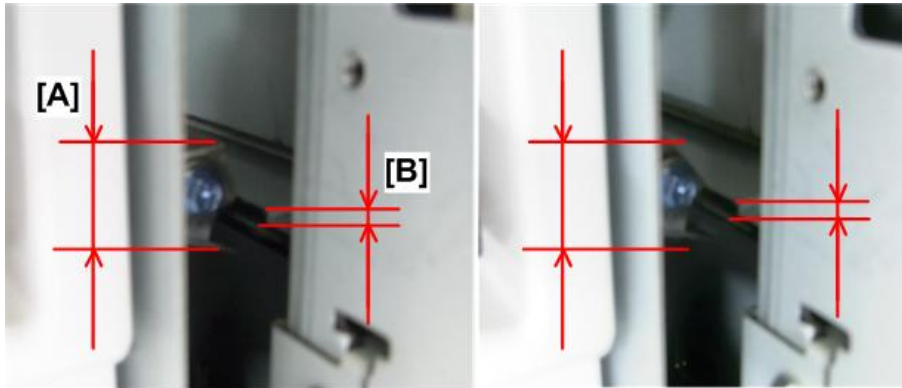


d7340012a

7. Confirm that the height of the finisher entrance [A] is at the same height as the upstream device's paper exit [B].

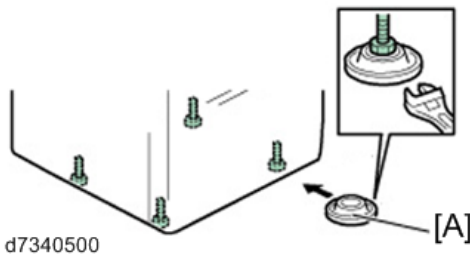
2. Installation

- 8.** Push the finisher close to the side of the upstream device, and once again confirm that the height of the finisher entrance [A] is at the same height as the upstream device's paper exit [B].



d7340013

- 9.** If the finisher is not at the same height as the upstream device, place the leveling shoes [A] and raise or lower the feet with the accessory wrench.



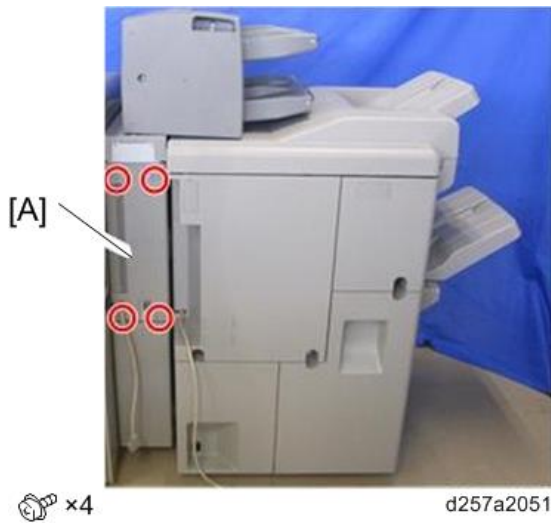
d7340500

- 10.** Push the finisher against the side of the upstream device.
- 11.** Push the lock bar in completely so that it slides up into the notches in the arms on both ends of the connecting bracket, and then fasten the lock bar.
Use the screw removed in Step 3.
- 12.** Check the height of the exterior of the upstream device and downstream device, and then adjust the height until the units are leveled.

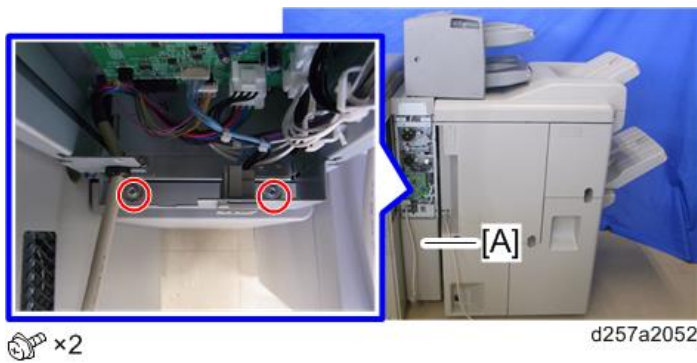
Docking to the Cover Interposer Tray

When the upstream device of the finisher is Cover Interposer Tray CI4020, follow the steps below to prevent the cover interposer unit from falling down.

1. Remove the rear upper cover [A] of the cover interposer tray.

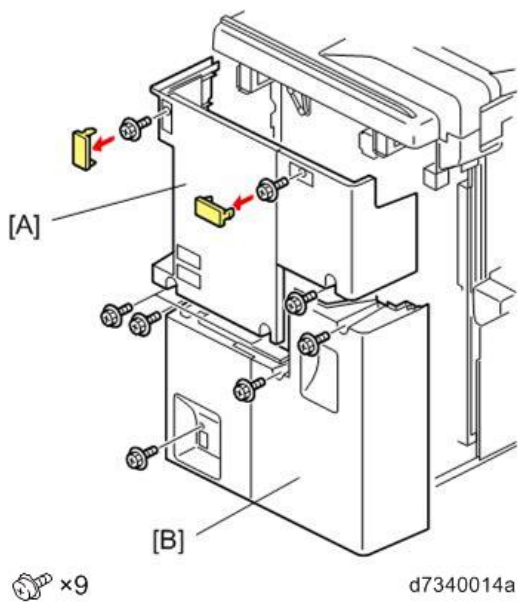


2. Remove the rear lower cover [A] of the cover interposer tray.



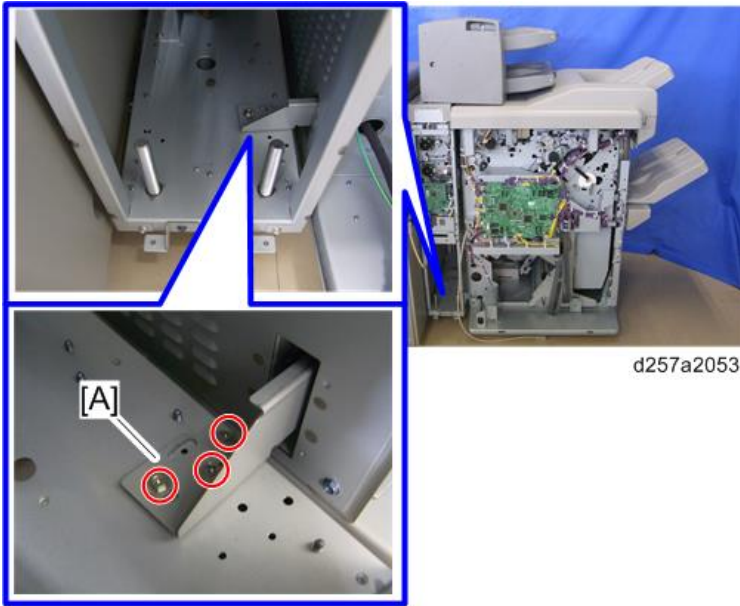
3. Remove the rear upper cover [A]. (Caps x2)

4. Remove the rear lower cover [B].



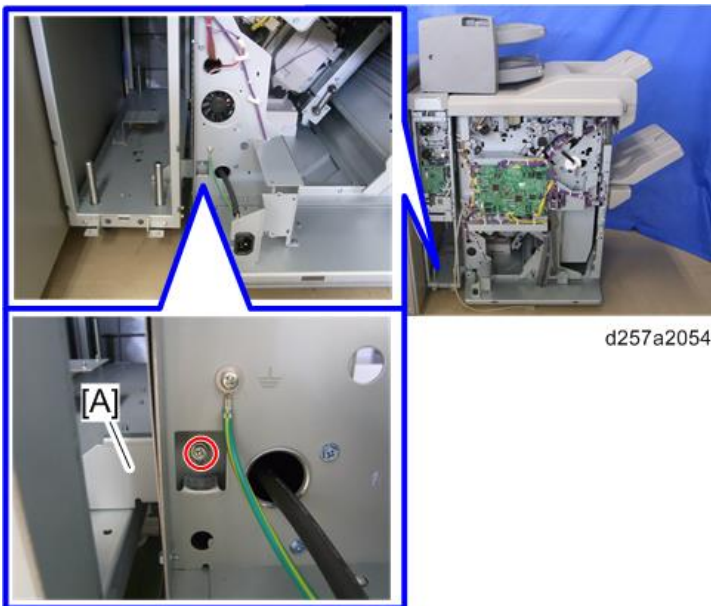
2.Installation

5. Loosen the fixing screws of the bracket [A] installed at the rear side of the cover interposer tray.



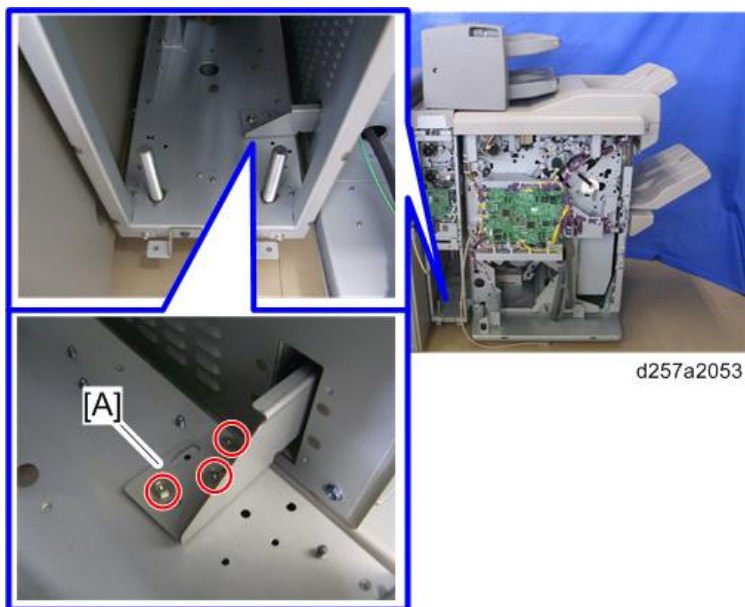
 x3

6. Secure the bracket [A] at the rear side of the finisher.



 x1

7. Fasten the fixing screws of the bracket [A] at the rear side of the cover interposer tray.

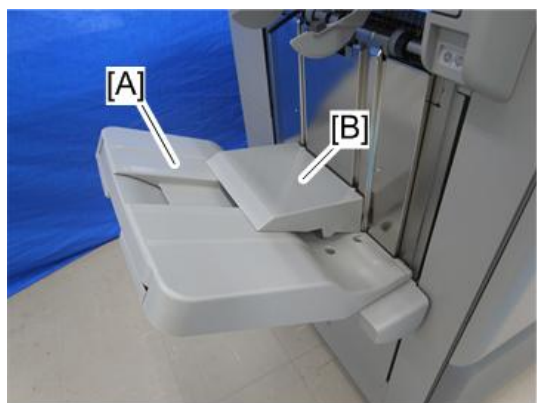


 ×3

8. Reattach the rear upper cover and rear lower cover of the main machine.
9. Reattach the rear upper cover and rear lower cover of the cover interposer tray.

Z-fold Support Tray Installation

1. If Z-folded paper is fed from the multi-folding unit, install the Z-fold support tray [B] on the shift tray [A]. Instruct the operator about when to use the Z-fold support tray.

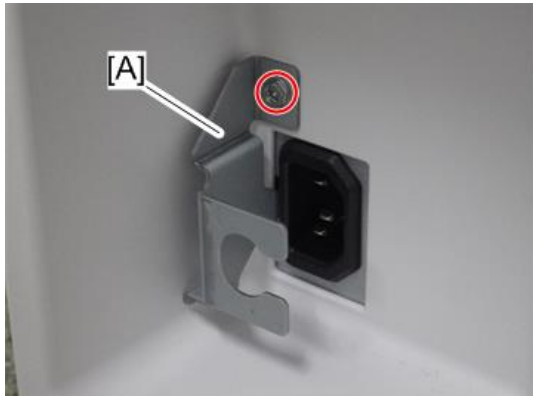


d257a2055

2. Installation

Finishing the Installation

1. Remove the mounting bracket [A] from the finisher.



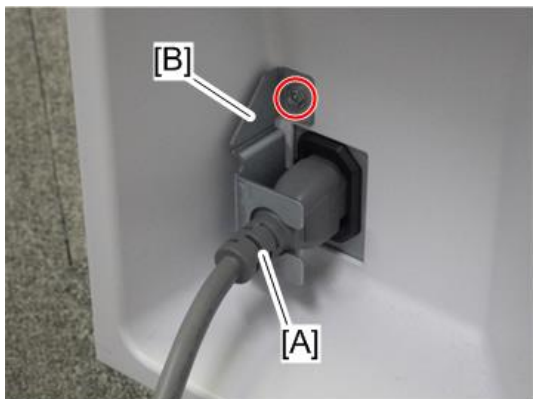
 ×1

d257a7151

2. Connect the power cord [A] to the finisher, and then install the mounting bracket [B] removed in the previous step.

Important

In China, do not use this power cord provided with this unit's accessories. Contact your supervisor and use the power cord specified for use in China.



 ×1

d257a7152

3. Load some DLT or A3 paper in the paper tray of the main machine, and make several prints.
4. Check paper skew and side-to-side registration and correct if necessary.

Horizontal/Vertical Skew Adjustment

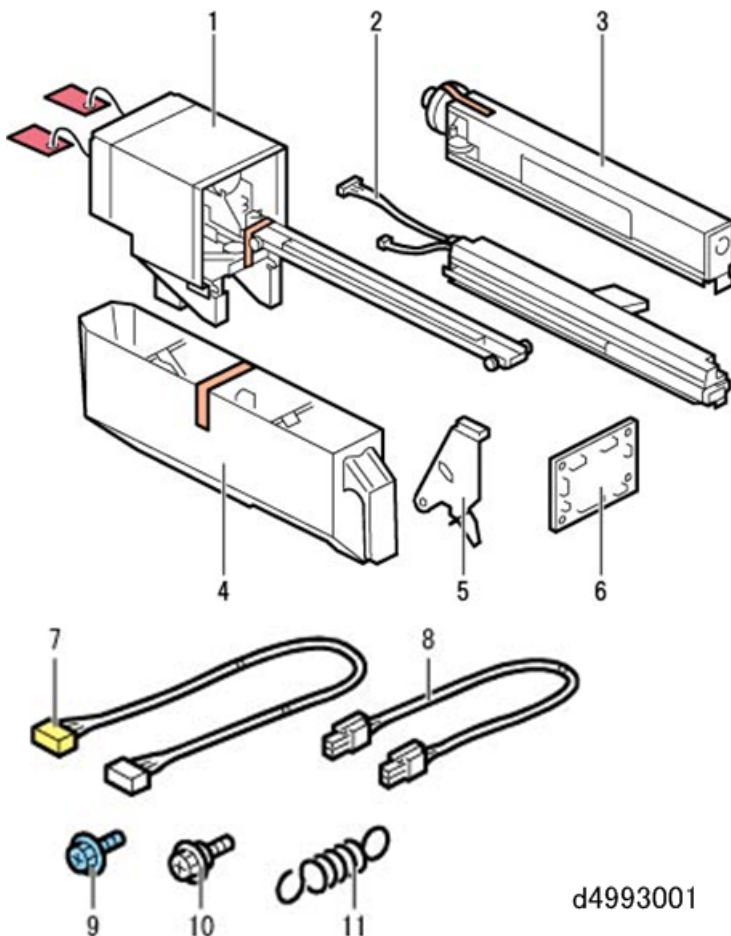
For details, see "Special Adjustment" of "Replacement and Adjustment" in the Field Service Manual for Booklet Finisher SR5080 (D3CA) and Finisher SR5070 (D3CB).

Punch Unit PU5020 (Pro C5200S/C5210S Only)

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Punch Drive Unit	1
2	Punch Unit	1
3	Punch Registration Unit	1
4	Punch-out Hopper	1
5	Sensor Arm and Sensor	1
6	Punch Control Board	1
7	Harness: Long	3
8	Harness: Board Relay	1
9	Screws M3x6	9
10	Step Screw	1
11	Spring	1



d4993001

2. Installation

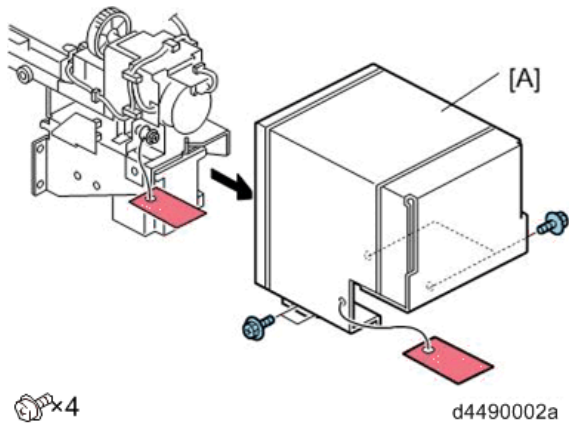
Installation Procedure

⚠ CAUTION

Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

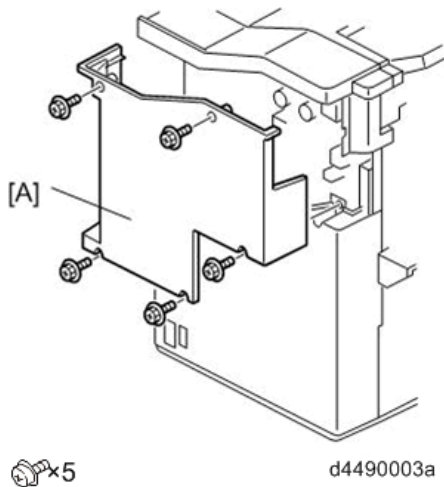
Shipping Materials

1. Remove motor protector plate [A].



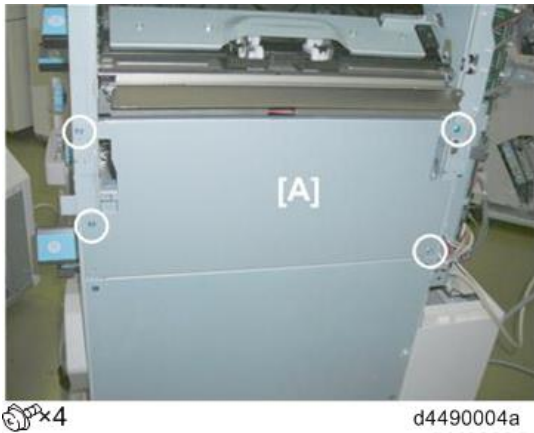
Rear Cover

1. Remove upper rear cover [A].



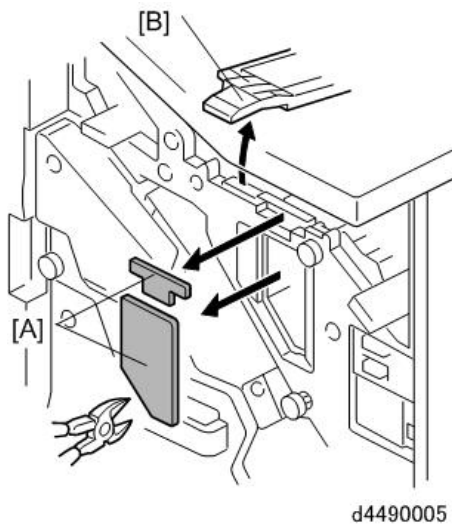
Right Upper Panel

1. Remove the right upper panel [A].

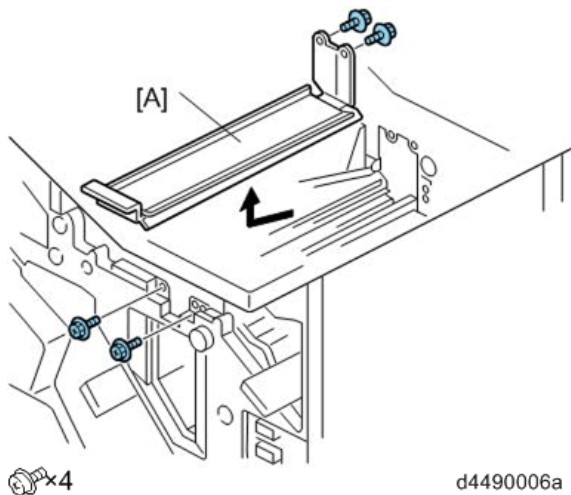


Punch Registration Unit

1. Use a pair of nippers to remove knockouts [A].
2. Raise and open lever "RB3" [B].

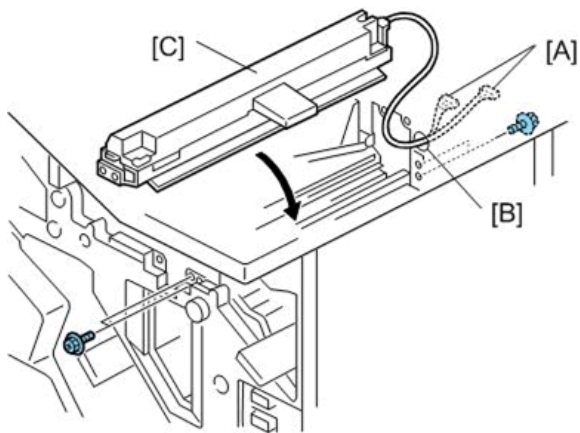


3. Remove plate [A] and discard it.



2. Installation

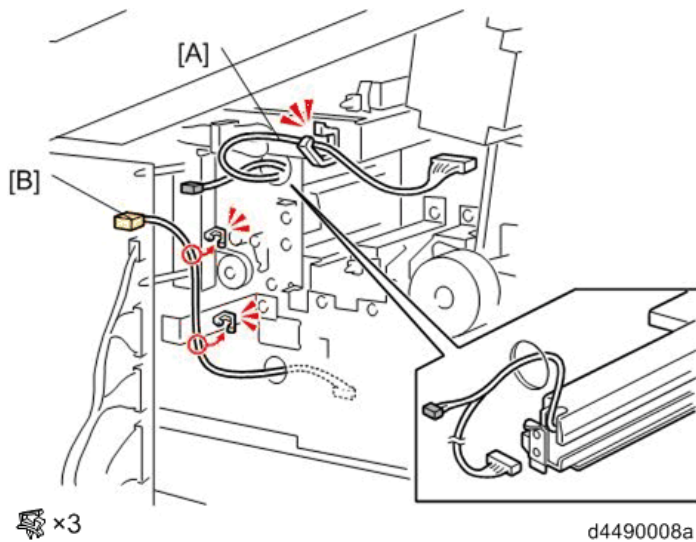
4. Insert the harness connectors [A] through hole [B].
5. Make sure the harness connectors are through the hole completely and visible at the rear of the machine.
6. Set and fasten the punch registration unit [C].



 x4

d4490007a

7. Clamp harness [A].
8. Clamp harness [B].



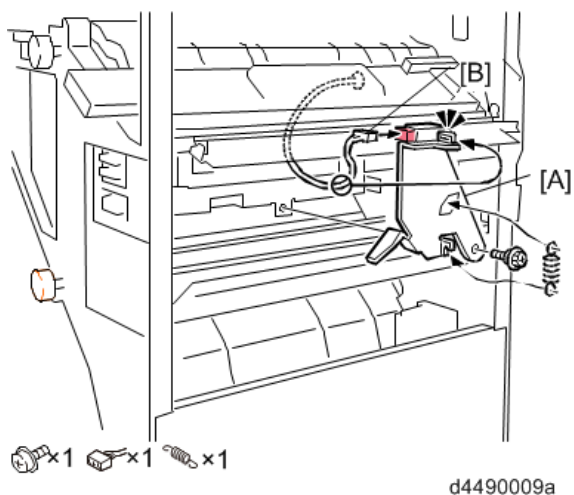
 x3

d4490008a

Sensor Arm

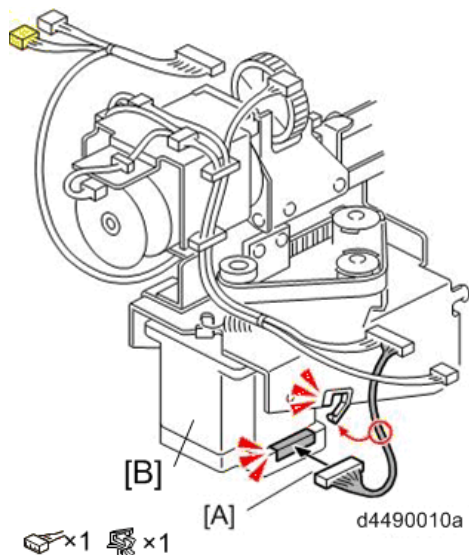
1. Attach sensor arm [A].
2. Make sure the sensor arm swings freely on the stepped screw and spring.

3. Attach harness [B] to the sensor on top of the arm.

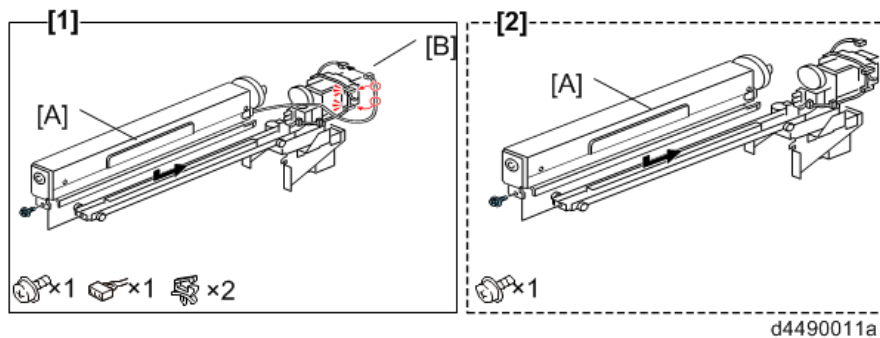


Punch Drive Unit, Punch Unit

1. On the punch unit, connect harness [A] to the motor [B].



2. Attach the punch mechanism [A] to the rails of the punch unit.
- If you are installing the punch unit for Europe [1], connect the harness [B].
 - The punch unit for North America [2] has no punch switching motor, so this harness is not required.



3. At the front, insert the punch unit [A] into the finisher and fasten it.

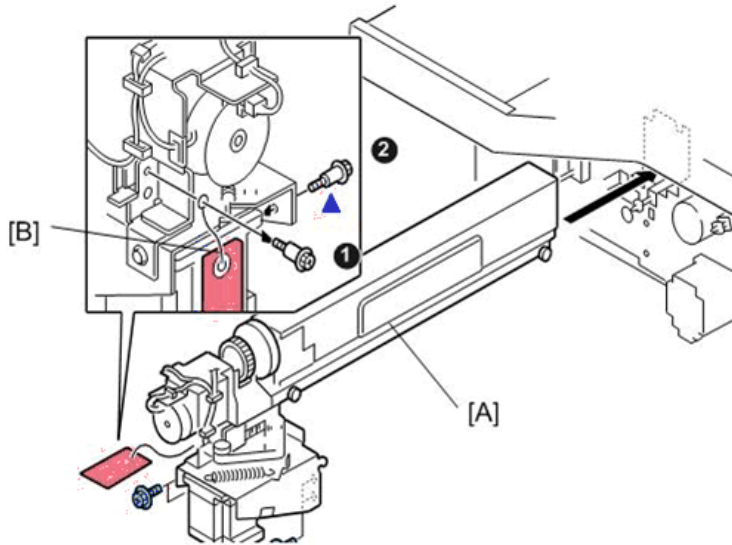
2. Installation

- 4.** Remove the shoulder screw with red tag [B], and detach the tag and wire.
- 5.** After removing the screw from hole (1), re-attach it at hole (2).

★ Important

This screw must remain attached to the punch unit.

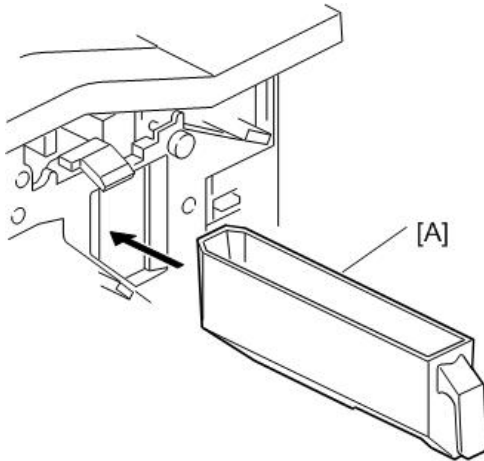
Before removing the punch unit from the finisher, the screw must be removed from hole (2) and re-attached at hole (1). This stabilizes the punch unit and prevents it from wobbling from side to side while it is being removed and handled after removal.



⊗×5

d4490012a

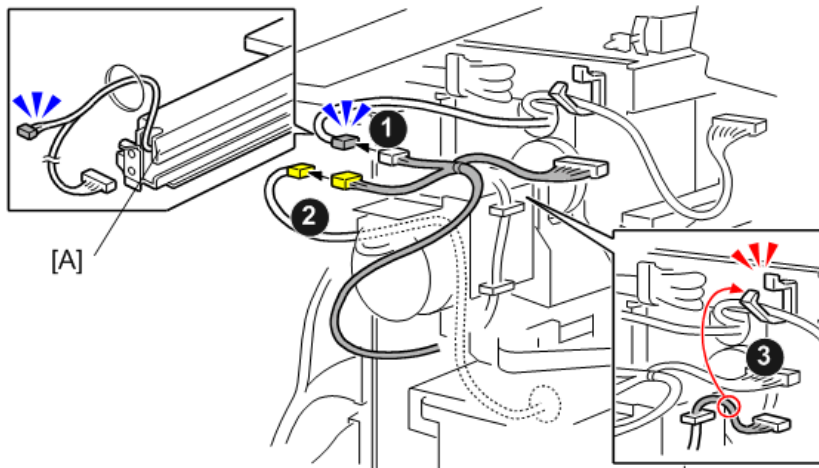
- 6.** At the front, slide the punch-out hopper [A] into the finisher.



d4490013

- 7.** Route the harnesses from the CIS unit [A] through the hole.
- 8.** Connect the harnesses at (1) and (2).

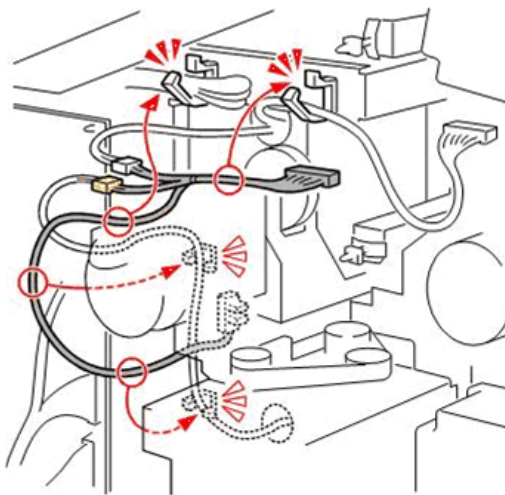
- 9.** If you are installing the punch unit for Scandinavia, fasten the extra connector at (3).



×2 ×1

d4490014a

- 10.** Finish clamping the harnesses.



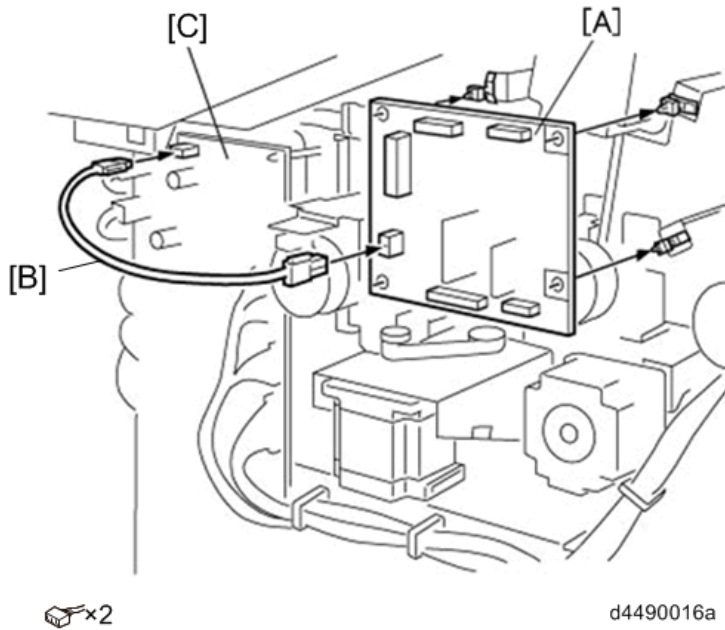
d4490015a

Punch Control Board

- 1.** Install the punch control board [A].

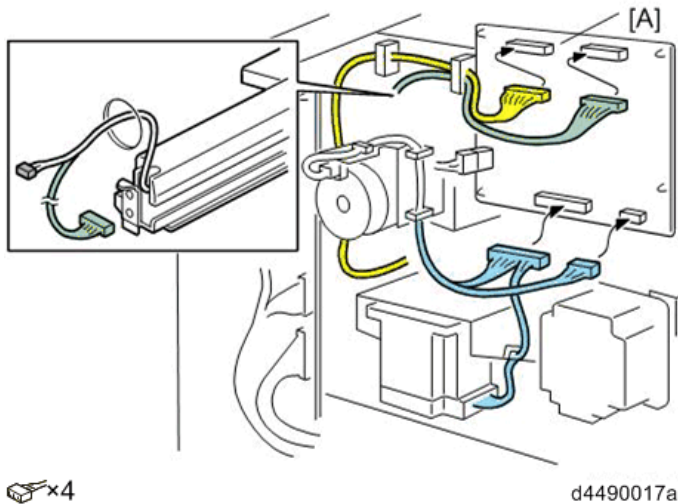
2.Installation

2. Connect the punch relay harness [B] to the punch control board and punch main control board [C].

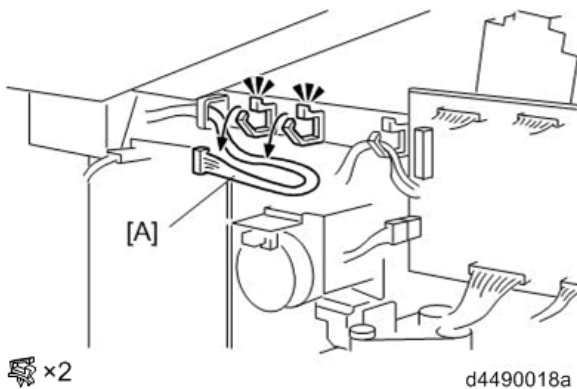


Final Connection

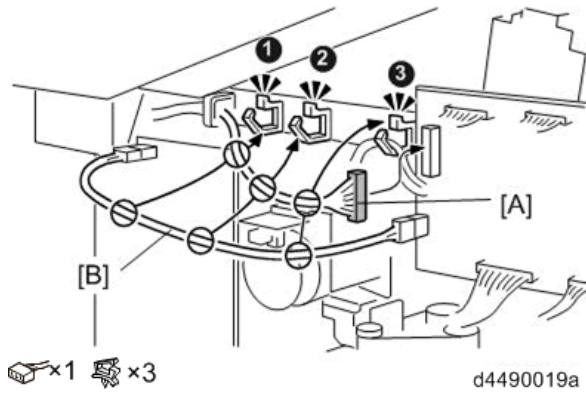
1. Fasten the connectors to the punch control board [A].



2. Release harness [A] from the frame.



- 3.** Connect harness [A] to the punch control board.
- 4.** Gather harness [A] and the board relay harness [B] and clamp them.



2.Installation

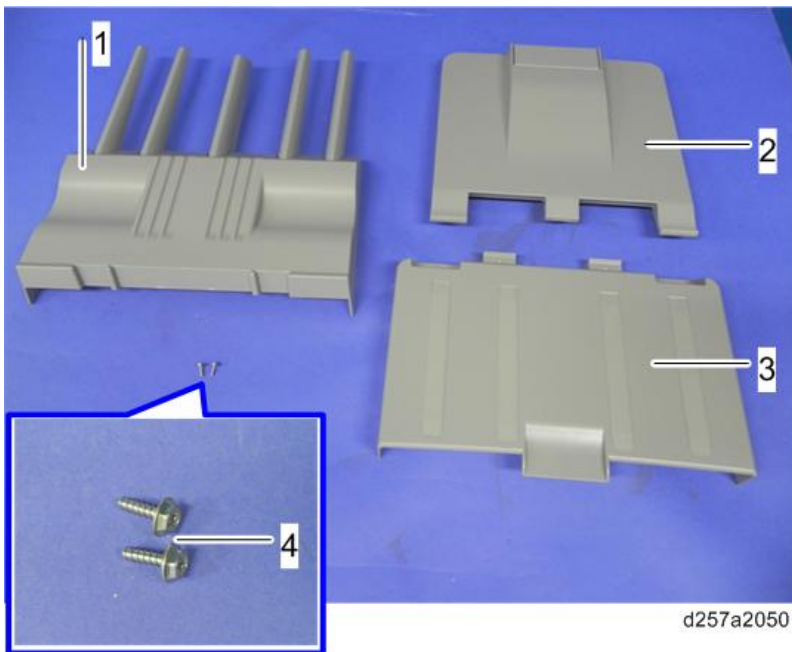
SR5000 series Output Tray for Banner Sheet Type S6 (Pro C5200S/C5210S Only)

This option can be attached to the Finisher SR5070 and Booklet Finisher SR5080.

Accessory Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Support Plate	1
2	Extension Tray	1
3	Relay Tray	1
4	Tapping Screw: 3 x 10	2



Installation Procedure

⚠ CAUTION

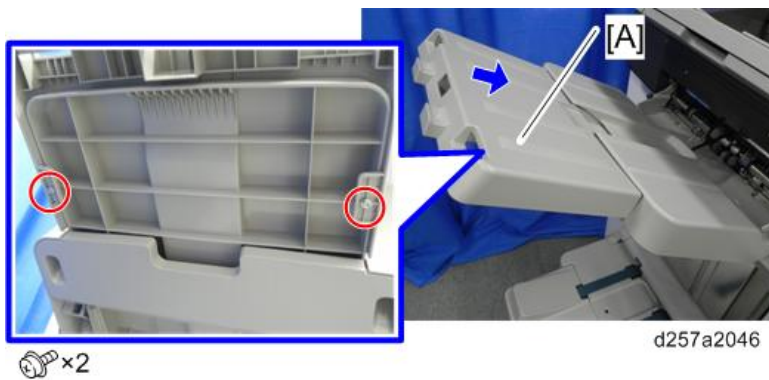
Always switch the machine off and unplug the machine before doing the following procedure.

Attaching the Banner Sheet Tray to the Finisher

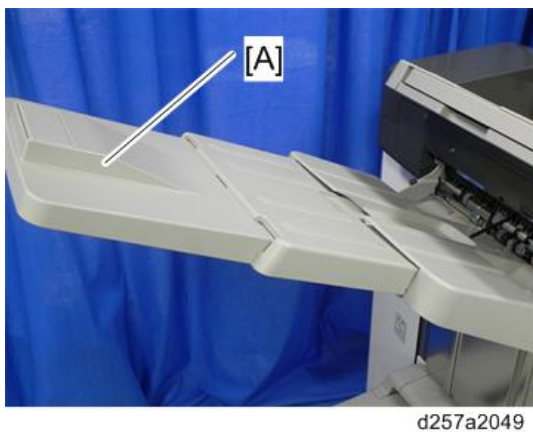
1. Pull out the extension of the finisher's shift tray.



2. Attach the relay tray [A].



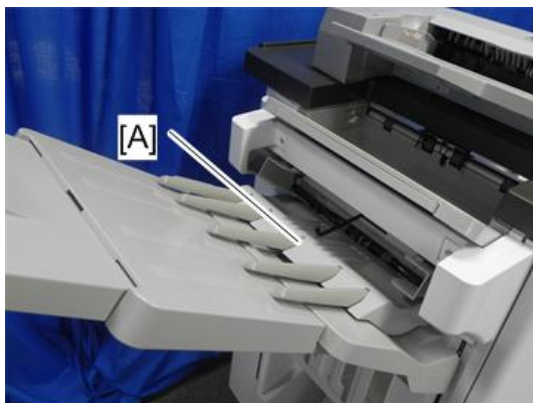
3. Attach the extension tray [A].



4. Use the shift tray emergency stop switch of the finisher to lower the shift tray, and then attach the support plate [A] provided with this option.

Raise the shift tray by using the shift tray emergency stop switch after attaching this support plate.

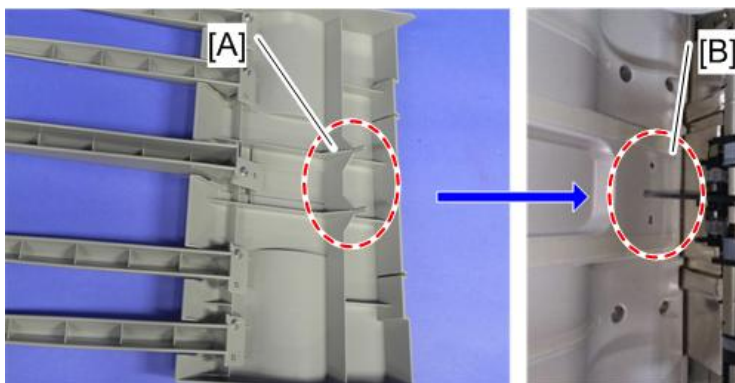
2.Installation



d257a2062

Note

Insert the pins [A] of the support plate into the holes [B] in the shift tray.



d257a2047

SP Setting

After starting up the main machine, change the SP setting to let the banner sheet tray be recognized.

- 1.** Enter the SP mode.
- 2.** Change SP5-150-002 from [0] to [1].
- 3.** Exit the SP mode.
- 4.** Restart the main machine.

Output Jogger Unit Type M25 (D3CJ)

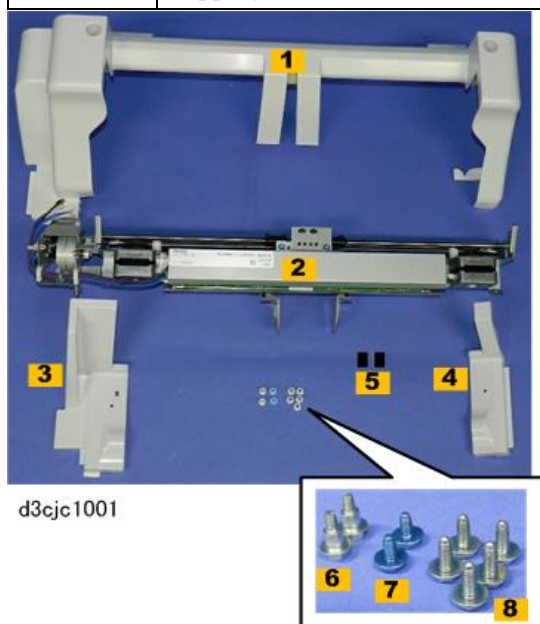
★ Important

To use Output Jogger Unit Type M25, one of the following is also required: Finisher SR4120 or Booklet Finisher SR4130

Component Check

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Jogger Unit Cover	1
2	Jogger Unit	1
3	Rear End Cover	1
4	Front End Cover	1
5	Cushions	5
6	Shoulder Screws	2
7	Screws (Blue) M3x6	2
8	Tapping Screw: Round Point: 3x8	5



Installation

⚠ CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

1. Disconnect the finisher from the main frame.

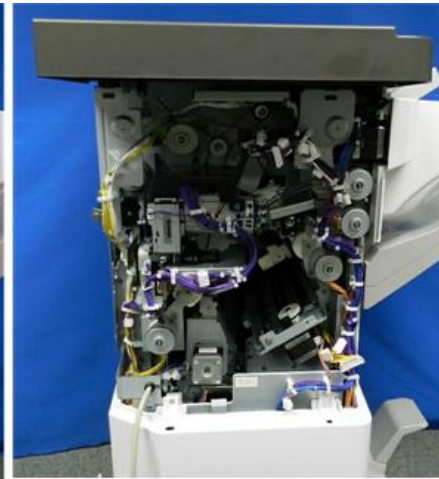
2. Installation

2. Remove the rear cover.



 x2

d3cjc1002



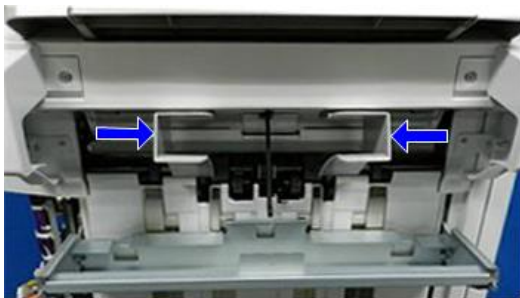
3. Remove the shift tray.



 x1

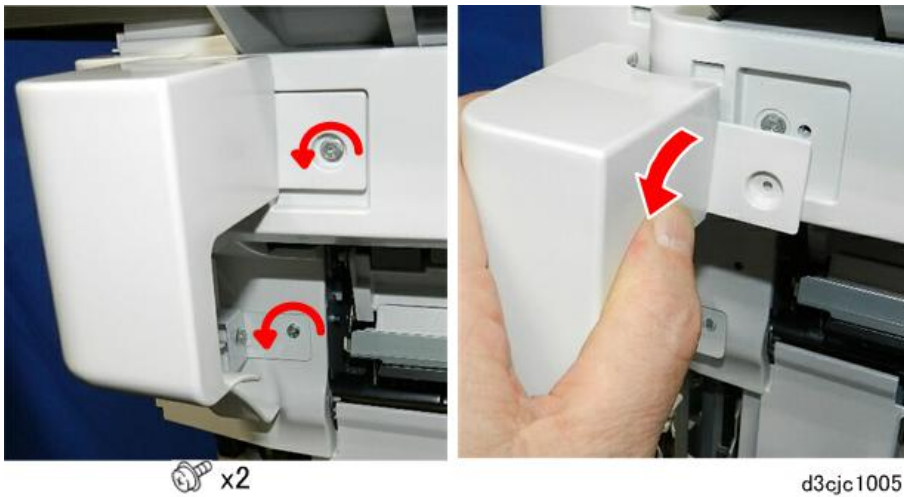
d3cjc1003

4. Push the paper guides to the center.



d3cjc1004a

5. Remove the rear paper guide cover.



6. Remove the front paper guide cover.

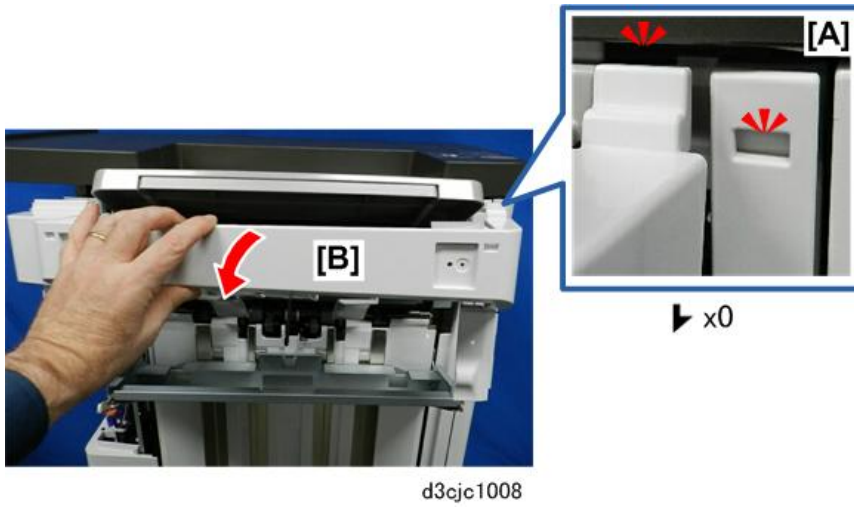


7. Disconnect the main paper guide cover.



2.Installation

- 8.** Carefully, separate the front tabs at [A], and then remove the main paper guide cover [B].



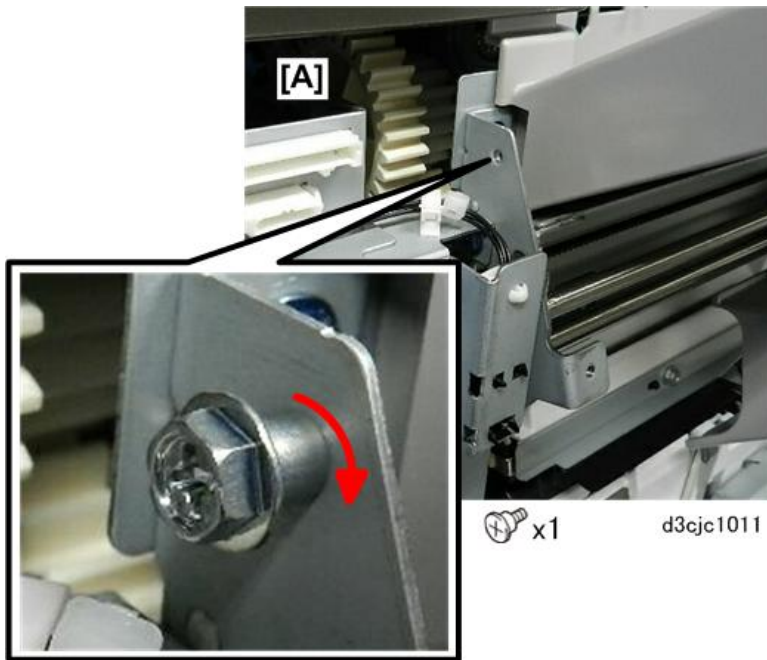
- 9.** Disconnect the cover installation bracket.



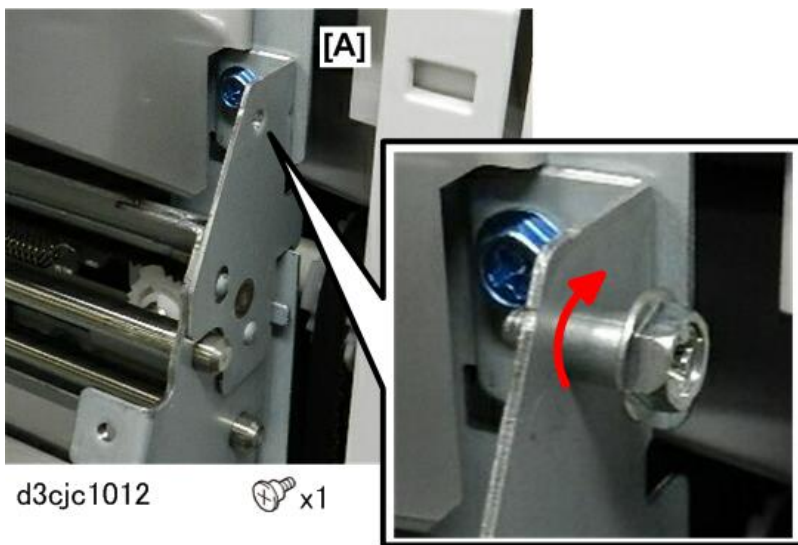
- 10.** Slowly, disconnect the bracket from the rail above, and then remove it.



- 11.** At the rear, set one shoulder screw [A].



- 12.** At the front, set the other shoulder screw [A].

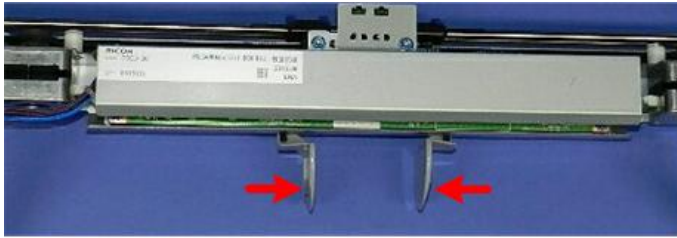


- 13.** Spread the paper guides to the maximum width.



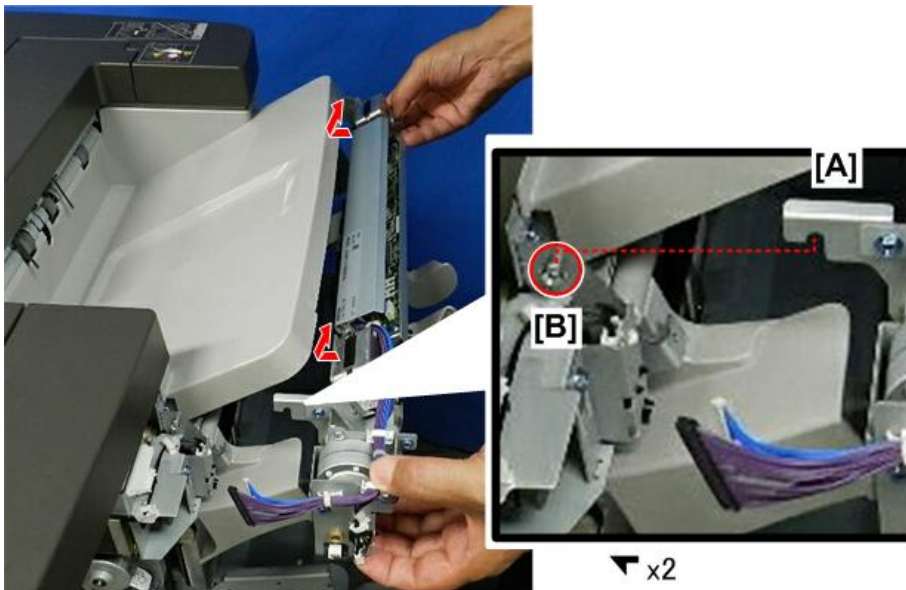
2. Installation

- 14.** Move the jogger arms on the jogger unit to the center.



d3cjc1014

- 15.** Hold the jogger unit so that the hooks [A] on both ends of the unit are in line with the installed shoulder screws [B].
- 16.** Rotate the jogger unit slightly up under the output tray so that the motors on both ends of the unit go under the tray, and then hang the hooks on the shoulder screws at the front and rear.



d3cjc1015

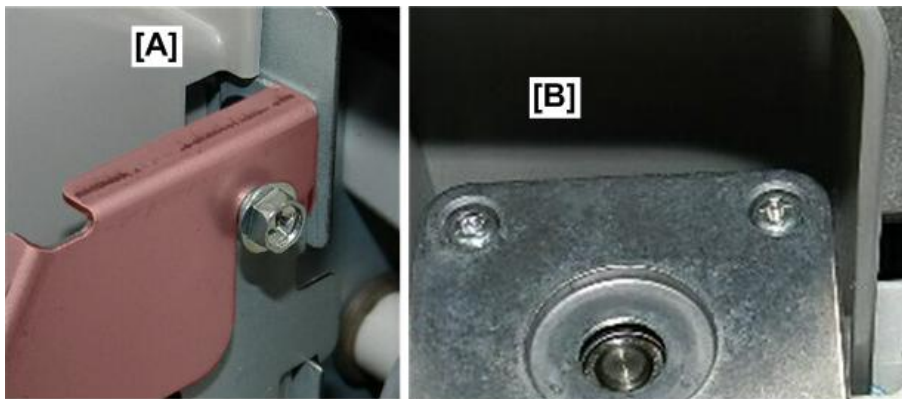
- 17.** Confirm that the rear bracket [A] is on the shoulder screw.
- 18.** Confirm that the rear motor [B] is up under the tray.



d3cjc1016

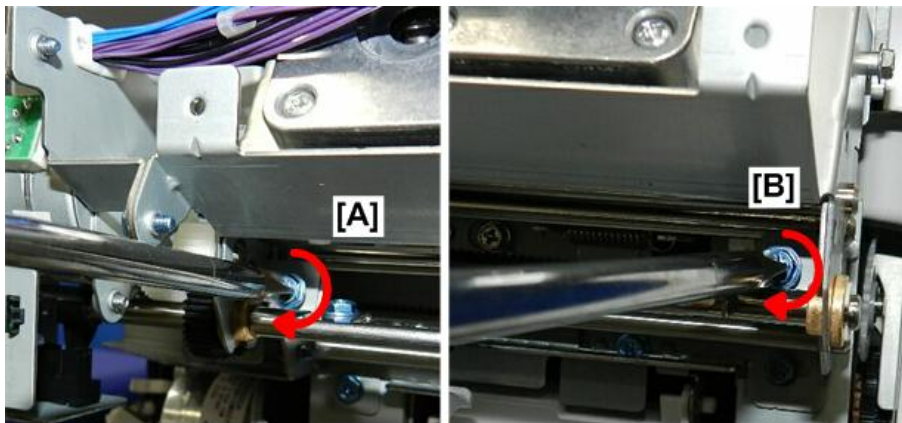
- 19.** Confirm that the front bracket [A] is on the shoulder screw.

- 20.** Confirm that the front motor [B] is up under the tray.



d3cjc1017

- 21.** Fasten the jogger unit at the rear [A] and front [B].



 x2

d3cjc1018

- 22.** Connect the jogger unit at the rear.



 x1

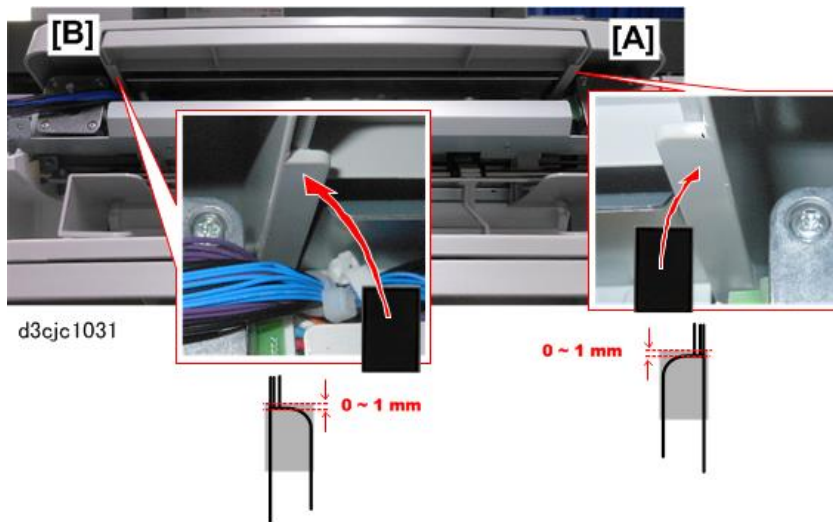
 x1

d3cjc1019

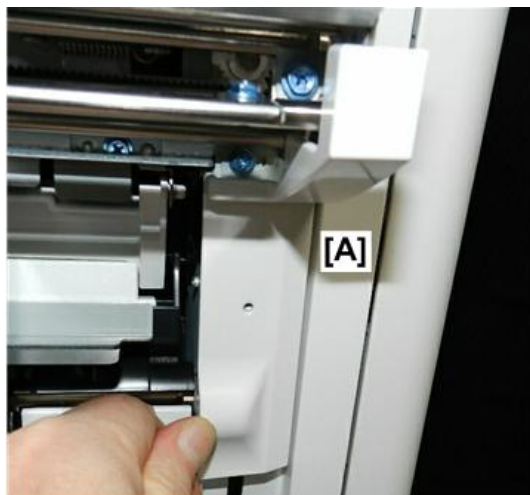
- 23.** Peel the back off the two accessory cushions.

2.Installation

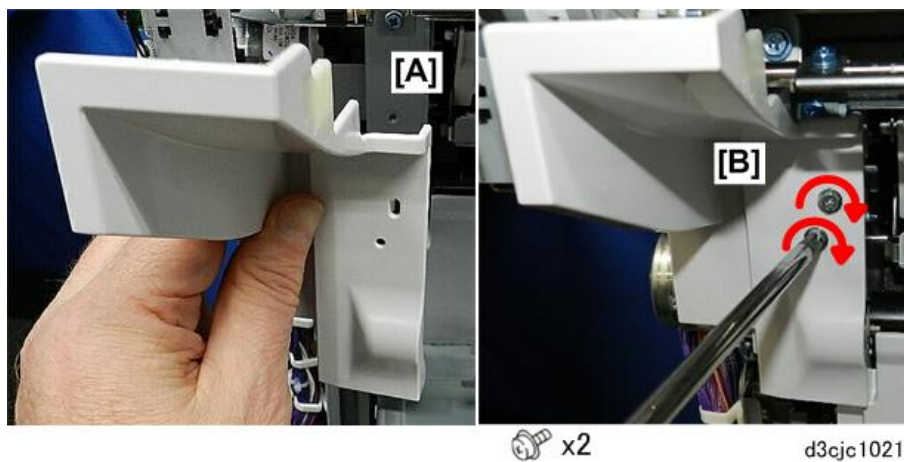
- 24.** Attach the cushions to the front [A] and rear [B] of the lower arms of the output tray.



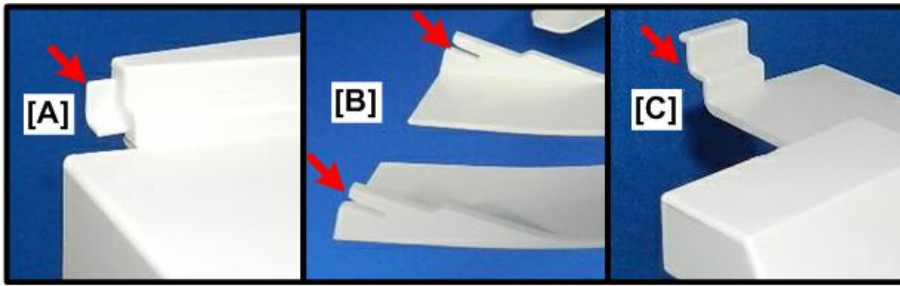
- 25.** Set the front end cover [A]. Do not attach the screw yet.



- 26.** Set the rear end cover [A], and then fasten it [B].

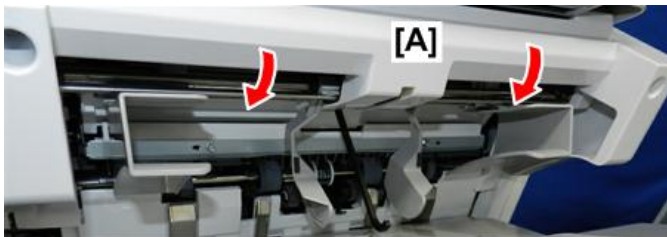


- 27.** Look at the jogger cover. Note the tabs and slots on the rear end [A], center arm covers [B], and front end [C].



d3cjc1022

- 28.** Slowly, set the jogger cover [A] on the jogger unit.



d3cjc1023

- 29.** At the rear [A], confirm that the tab inserts correctly.

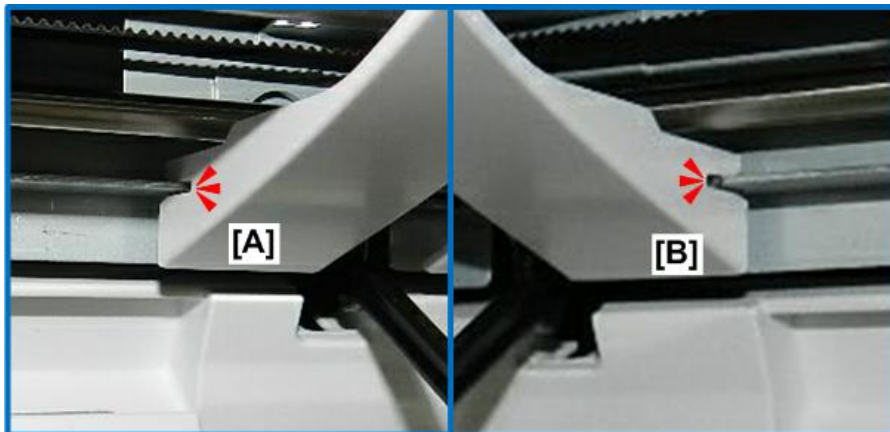
- 30.** At the front [B], confirm that both tabs set correctly.



d3cjc1024

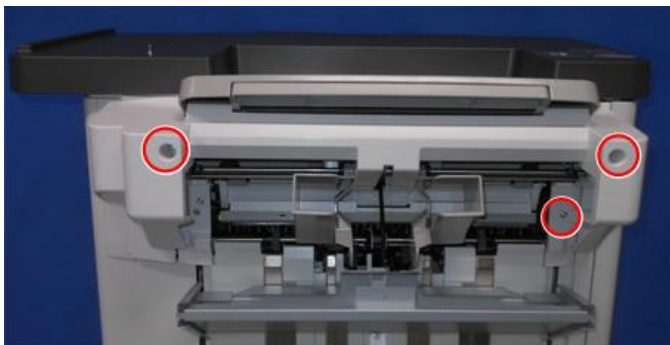
2. Installation

- 31.** In the center under the jogger unit, make sure the rear arm cover [A] and front arm cover [B] fit over the edge of the plate as shown.



d3cjc1025

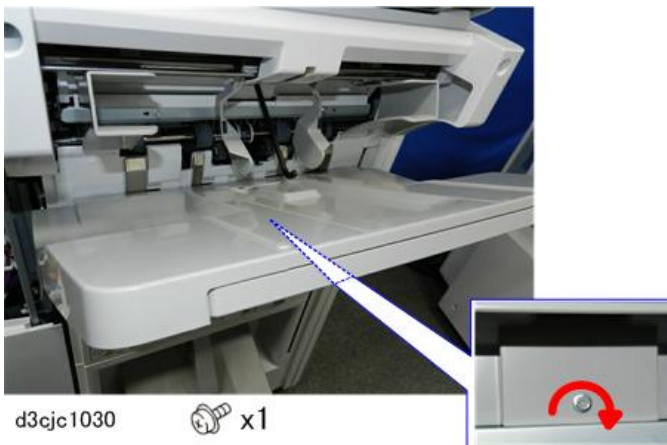
- 32.** After making sure that all tabs are set correctly, fasten the cover to the jogger unit.



 x3

d3cjc1026

- 33.** Re-install the shift tray.

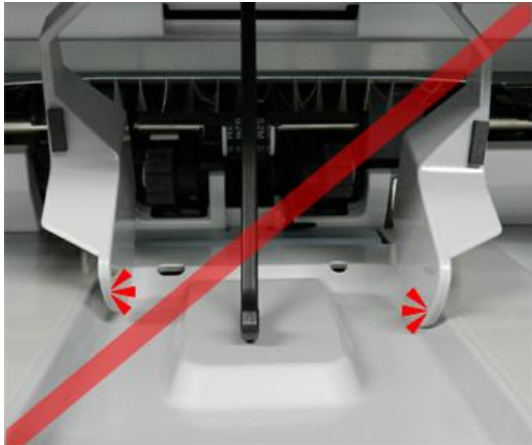


d3cjc1030

 x1

- 34.** Check the center of the shift tray.

If the jogger arms are touching the surface of the shift tray as shown, this will cause a jam when the machine is turned on because the arms will move and hit the tray.

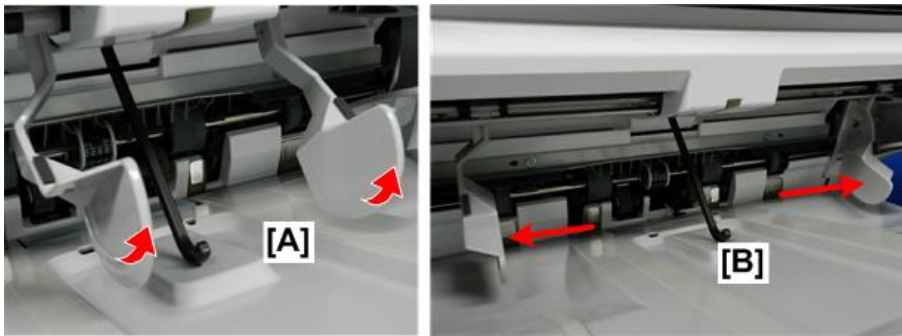


d3cjc1027

35. To avoid a jam at power on, before you turn the machine on you can:
Raise the jogger arms [A] slightly so that they are not touching the shift tray below.

-or-

You can spread the jogger arms [B] away from the center so that they are not touching the surface of the tray.



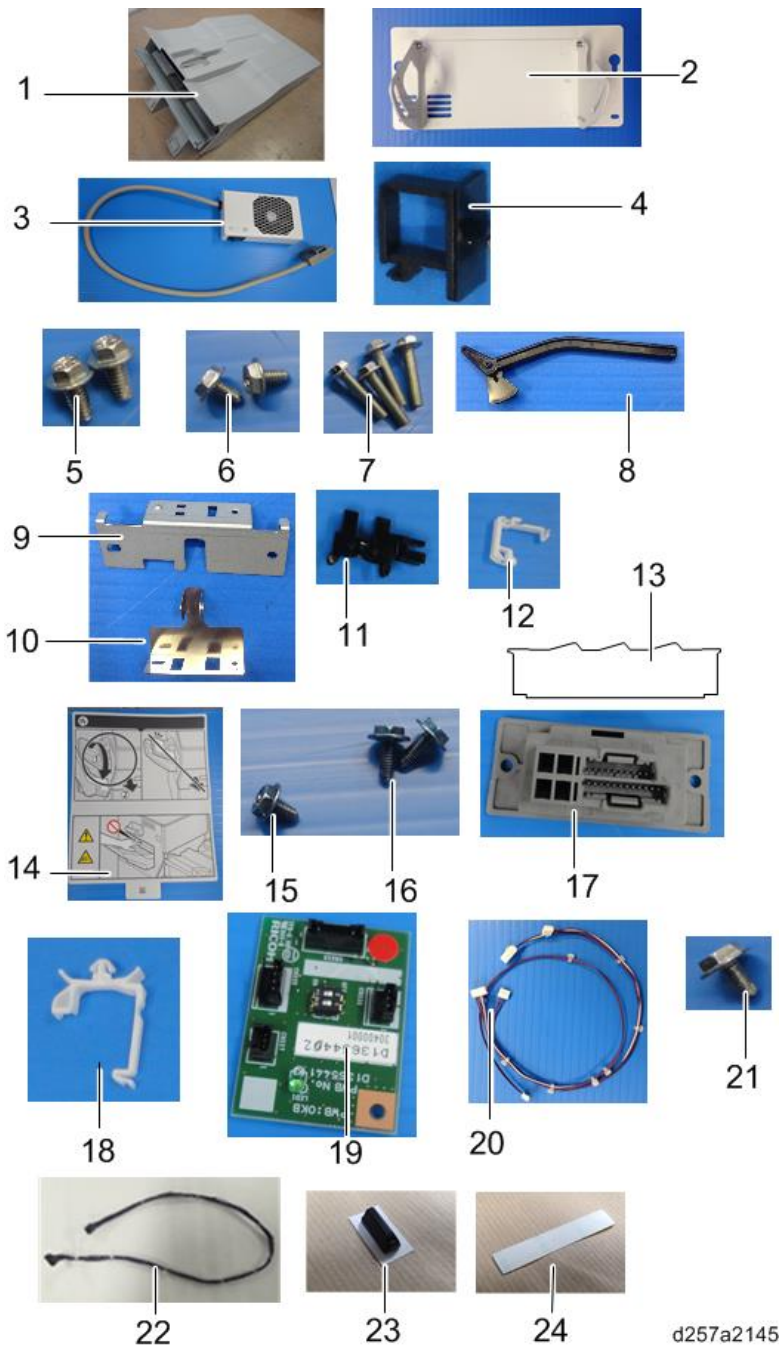
d3cjc1028

Copy Tray Type M26 (D3D2)

Component Check

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	COPY TRAY:EXIT:ASS'Y	1
2	BRACKET:COOLING UNIT:ASS'Y	1
3	COOLING UNIT:ASS'Y	1
4	CLAMP:LWC-3A	1
5	TAPPING SCREW:4X12	2
6	TAPPING SCREW:ROUND POINT:3X6	2
7	SCREW:M4X20	4
8	LEVER	1
9	BRACKET:SENSOR:PAPER VOLUME SENSOR	1
10	SPRING PLATE:SENSOR:EXIT	1
11	PHOTOINTERRUPTOR:GP1A173LCS2F	1
12	CLAMPS:WES-0507	1
13	SHEET:COPY TRAY:EXIT	1
14	DECAL:CAUTION:EXIT	1
15	TAPPING SCREW - M3X6 (Not used)	1
16	TAPPING SCREW:3X8	2
17	CONNECTOR:2-292246-2 (for use with MP C6503/C8003 only)	1
18	CLAMP:LWSM-0511A (Not used)	1
19	PCB:OKB (Not used)	1
20	HARNESS:EXIT:TRAY:COOLING UNIT:OKB (Not used)	1
21	TAPPING SCREW:ROUND POINT:3X6	1
22	HARNESS:DECURA:OFF (for use with MP C6503/C8003 only)	1
23	GUIDE:COPY TRAY:EXIT	1
24	SHEET:GUIDE PLATE:EXIT	2



Installation Procedure

⚠ WARNING

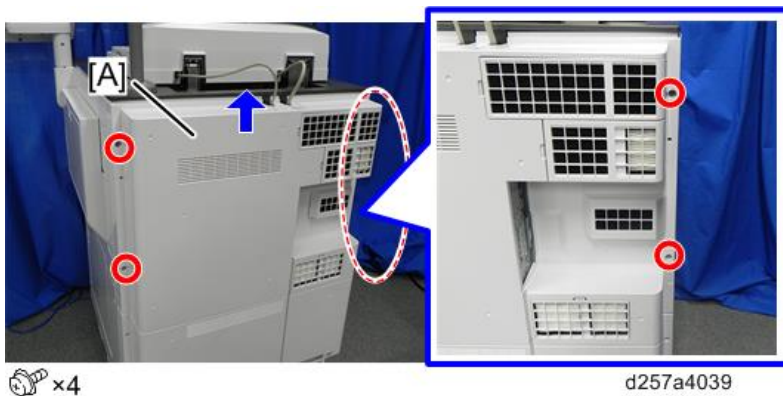
- Turn the machine off and disconnect the machine power cord before you do this procedure.

MP C6503/C8003: Start from step 1.

Pro 5200S/5210S: Start from step 11.

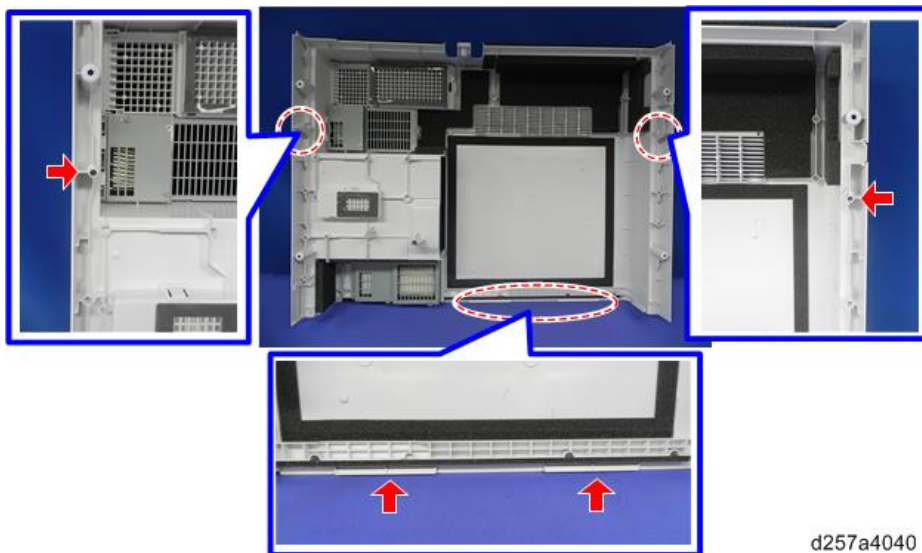
2. Installation

1. Remove the rear middle cover.



Note

Check the positions of the bosses and hooks before removing the cover.

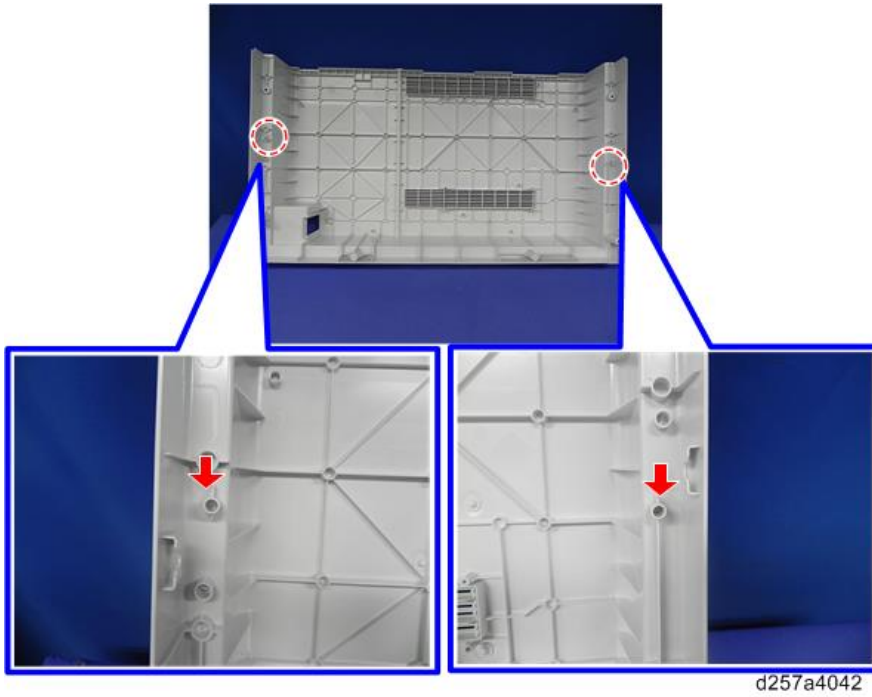


2. Remove the rear lower cover.

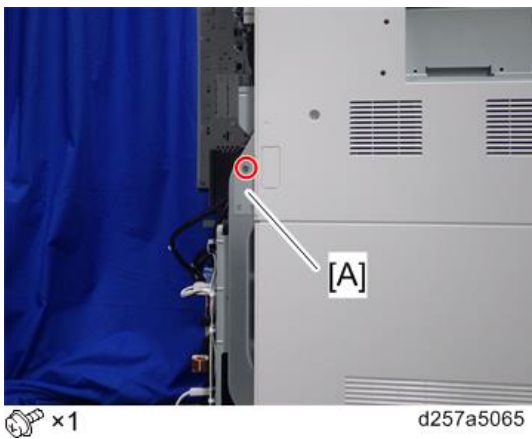


Note

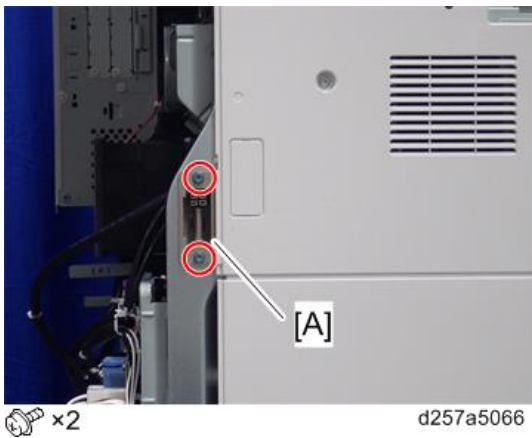
Check the positions of the bosses before removing the cover.



3. Remove the cover [A].

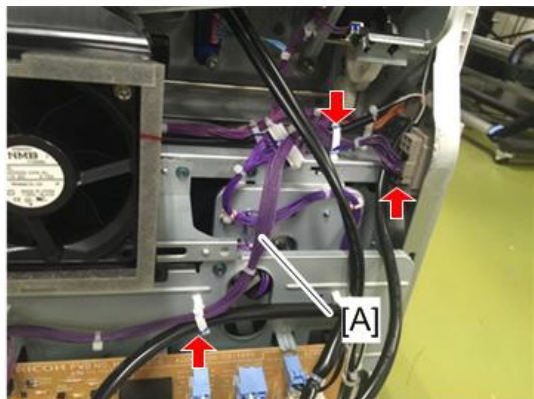



4. Attach the connector [A] of the harness provided with the cooling fan unit.



2.Installation

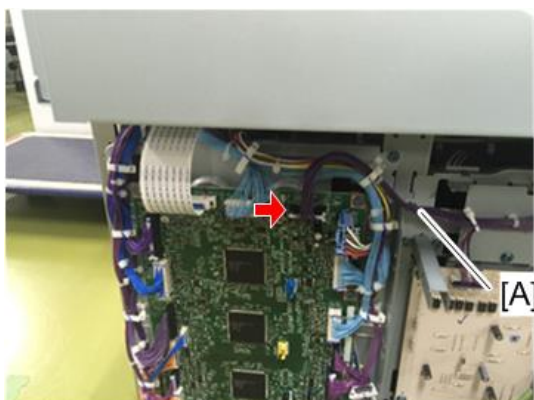
5. Connect the harness provided with the copy tray [A] to the connector, and then clamp the harness.



 x1  x2

d257a5067

6. Connect the harness [A] to CN272 of the PFB.

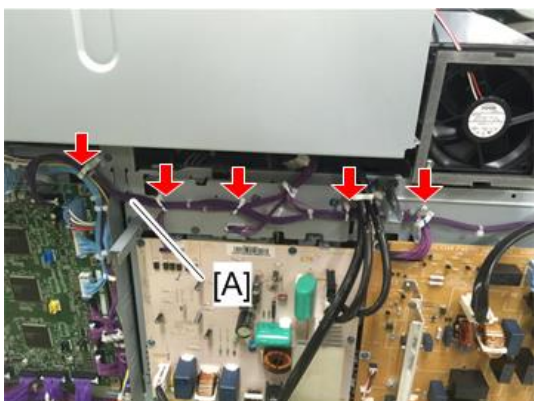


 x1

d257a5069

7. Clamp the harness [A].

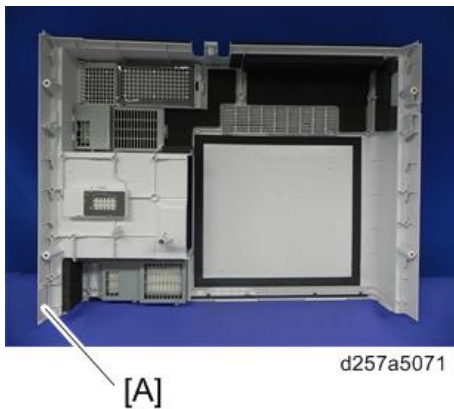
Pass the harness under the black tubes.



 x5

d257a5070

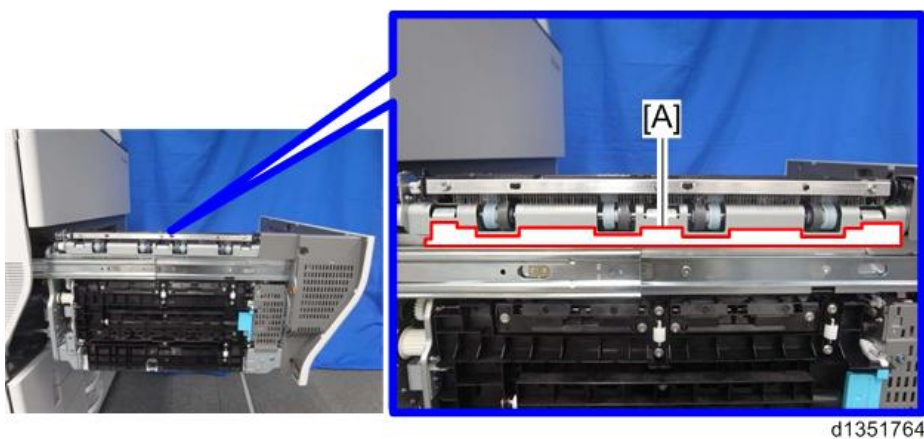
- 8.** Remove the connector cover [A] from the rear middle cover



- 9.** Reattach the rear lower cover.
10. Reattach the rear middle cover.
11. Open the drawer unit [A].



- 12.** Attach the sheet [A] to the left side of the drawer unit.

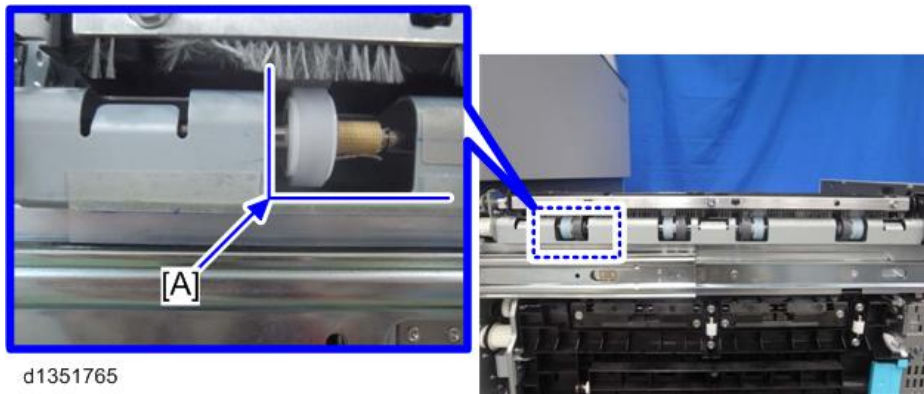


Note

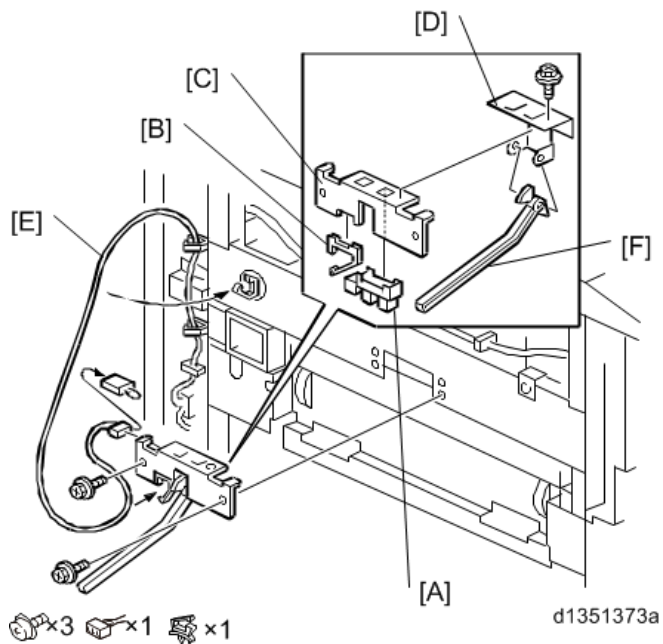
There are four cutouts in the sheet.

Align the left-most cutout with the corner [A] of the paper exit.

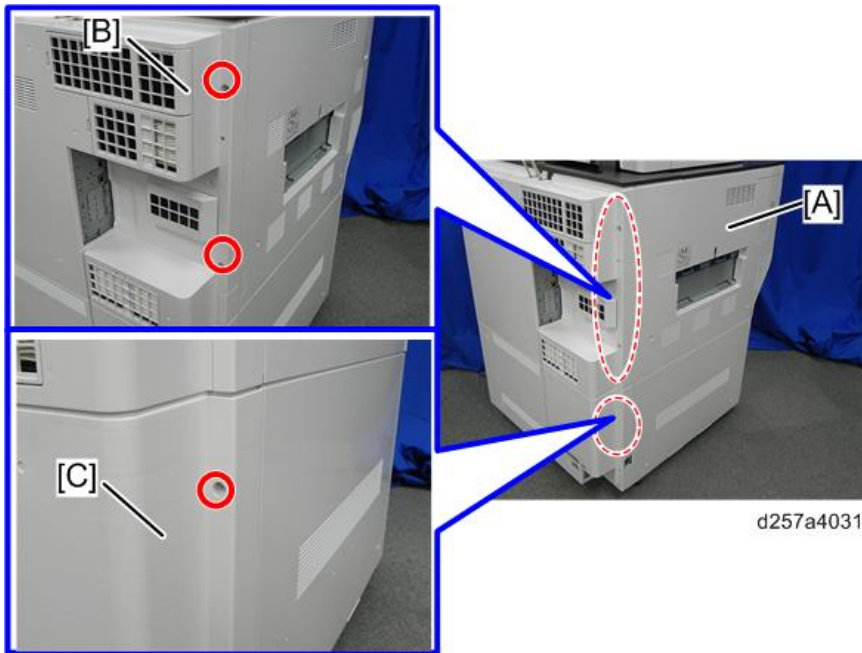
2.Installation



- 13.** Attach the paper height sensor [A] and harness clamp [B] to the sensor bracket [C].
- 14.** Attach the actuator [F] to the actuator arm bracket [D].
- 15.** Attach the actuator bracket [D] to the sensor bracket [C]. (M3 x 6)
- 16.** Connect the sensor harness [E] to the sensor [A].
- 17.** Attach the sensor bracket [C] to the main machine. (M4 x 12)



- 18.** To make it easier to remove the left middle cover [A], remove the screws from the rear middle cover [B] and the rear lower cover [C].



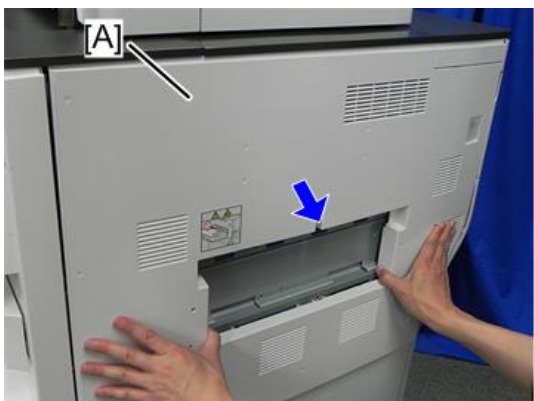
🔧 x3

- 19.** Remove the screws of the left middle cover [A].



🔧 x2

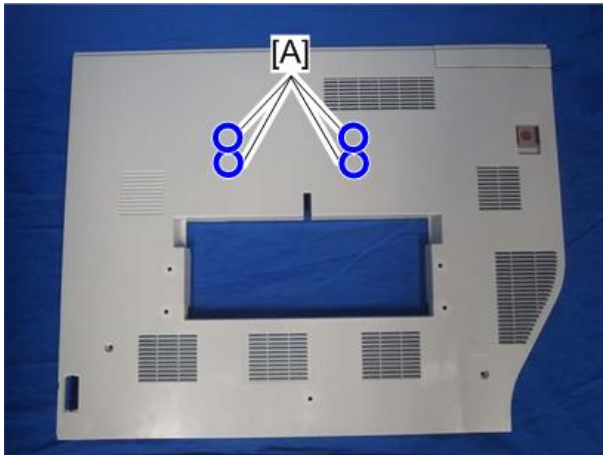
- 20.** Hold the positions shown below and pull the left middle cover [A] toward you to remove it.



d257a4033

2.Installation

21. Make four holes [A] in the left middle cover with a screwdriver.



d1351766

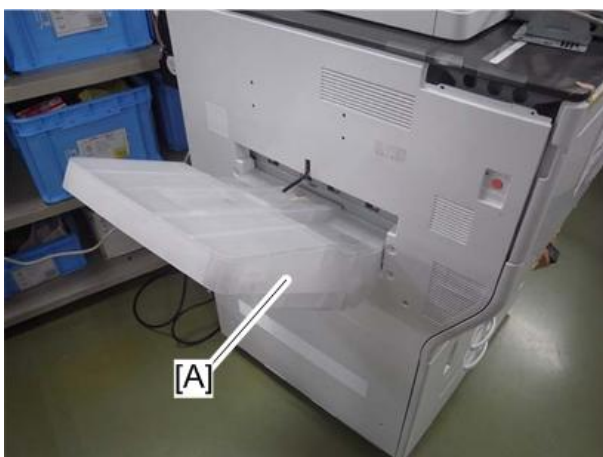
22. Reattach the left middle cover.

23. Pro C5200S/C5210S only: Remove the connector cover [A].



d257a5063

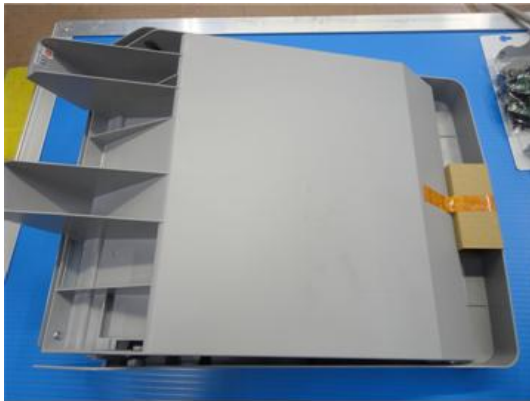
24. Attach the copy tray [A].



d1351767

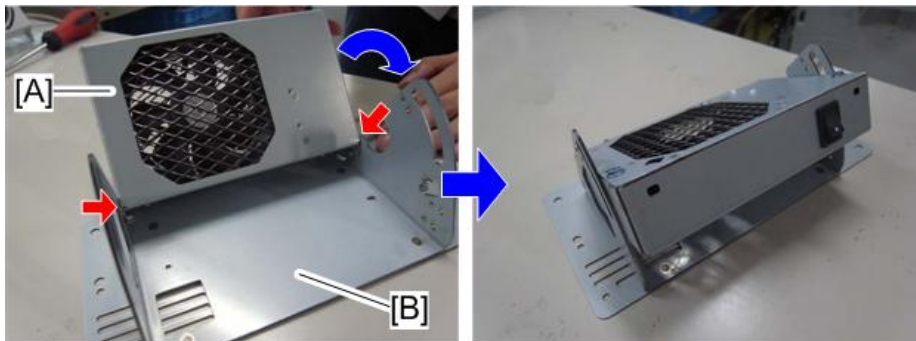
Note

- Remove the retainer from the copy tray before attaching the tray.



d1359985

- 25.** Install the cooling unit [A] on the cooling unit bracket [B]. (hook x2)



d1351768

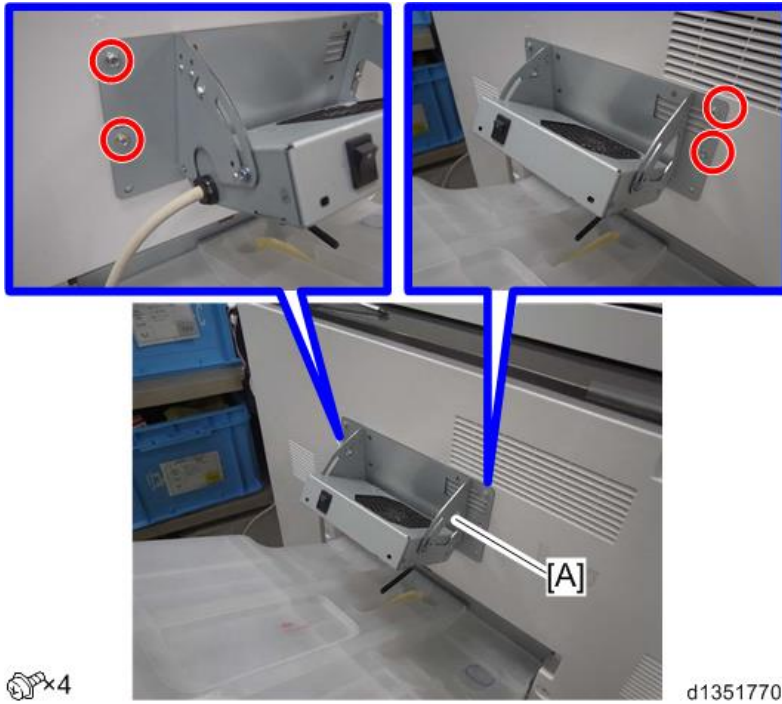
- 26.** Fasten the cooling unit to the cooling unit bracket. (M3 x 6)



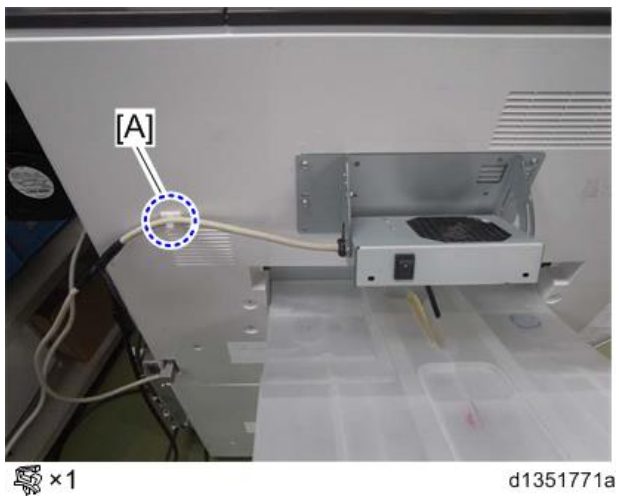
d1351769a

2.Installation

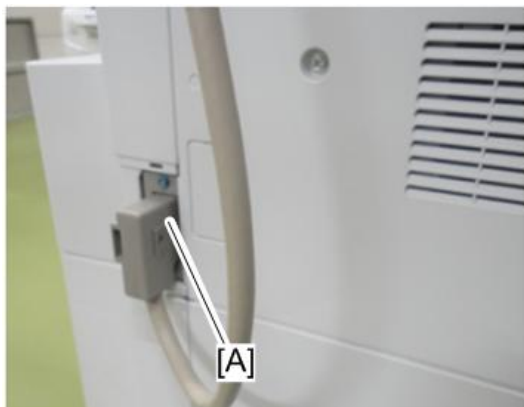
27. Install the cooling unit bracket [A] on the left side of the main machine. (M4 x 20)



28. Attach the cable clamp [A] provided with the copy tray to the main machine. Then route the harness as shown below.



- 29.** Connect the interface cable of the cooling unit [A].



d1351772

★ Important

- If you leave this connector unconnected, **SC530-10** (Copy Tray Cooling Fan Lock) occurs.

- 30.** Turn the machine main power switch ON.
31. Set **SP1-907-001** (Exit Tray Full Detection) to “**1: ON**”.

↓ Note

- The default setting of this SP is “0: OFF”. It must be set to “1: ON” in order for tray full detection to work.

- 32.** Attach the decal [A] to the left side of the main machine.

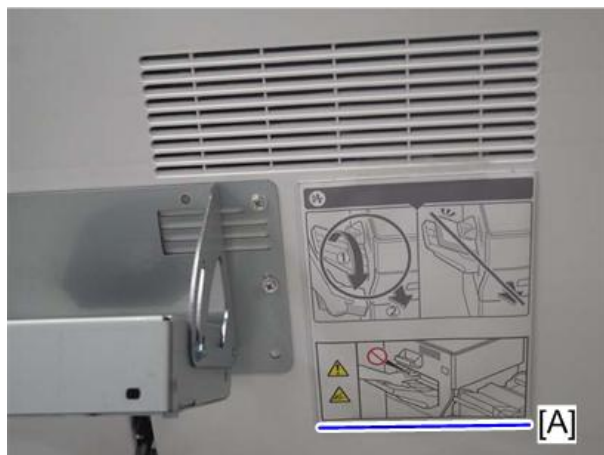


d1351773

2.Installation

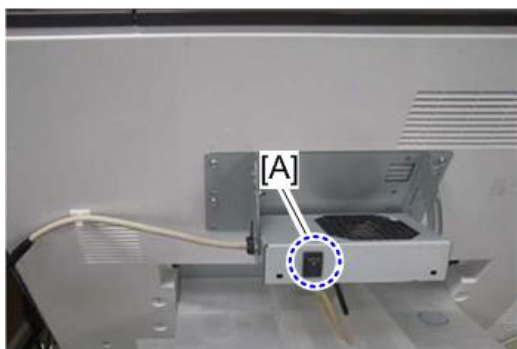
Note

- Align the lower side of the decal with the marker [A] on the main machine.



d1351774

- 33.** Turn the power switch [A] of the cooling fan ON.



d135a0013

Important

- Always keep the power switch of the cooling fan ON. This is because the fan is installed to prevent paper from sticking together and jamming during duplex printing due to undried toner. (The fan stops when the print/copy job is complete.)
- If the sound of the fan is unacceptable to the customer, or the air from the fan pushes thin paper off the exit tray, advise the customer to power off the fan as necessary.
- If jams still occur while the fan is ON, tilt the fan 90 degrees.

Decurl Unit DU5020 (D727) (Pro C5200S/C5210S Only)

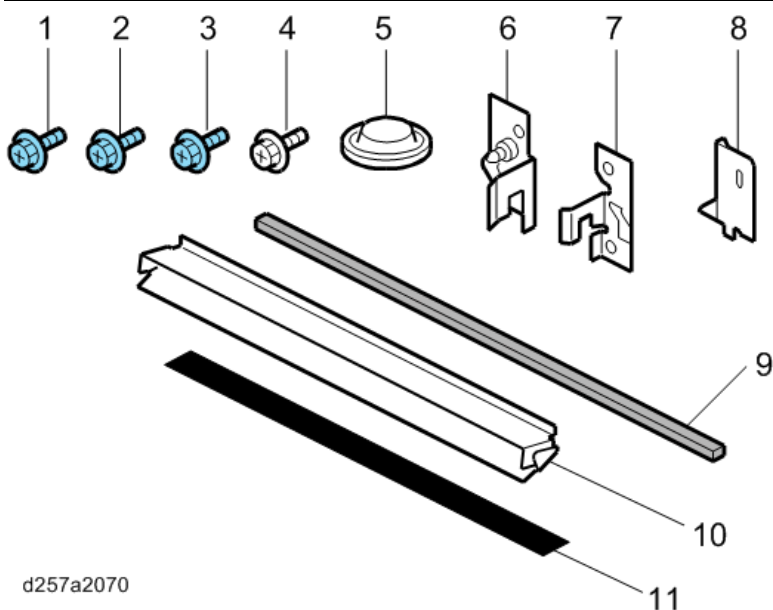
⚠ CAUTION

- The decurl unit is top heavy and has an extremely narrow base. It can fall over easily. Work carefully to avoid knocking it over.
- Do not set this unit upright until you are ready to install it and connect it to the side of the main machine.
- Never leave this unit standing upright and unattended in the work area during installation.

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Screws M3x6	3
2.	Screws M4x8	1
3.	Screws M4x16	4
4.	Screws M4x8	4
5.	Leveling Shoes	3
6.	Joint Bracket – L	1
7.	Joint Bracket – R	1
8.	Small Bracket	1
9.	Sponge Strip	1
10.	Entrance Guide Plate	1
11.	Sheet – Black	1



d257a2070

2. Installation

Installation Procedure

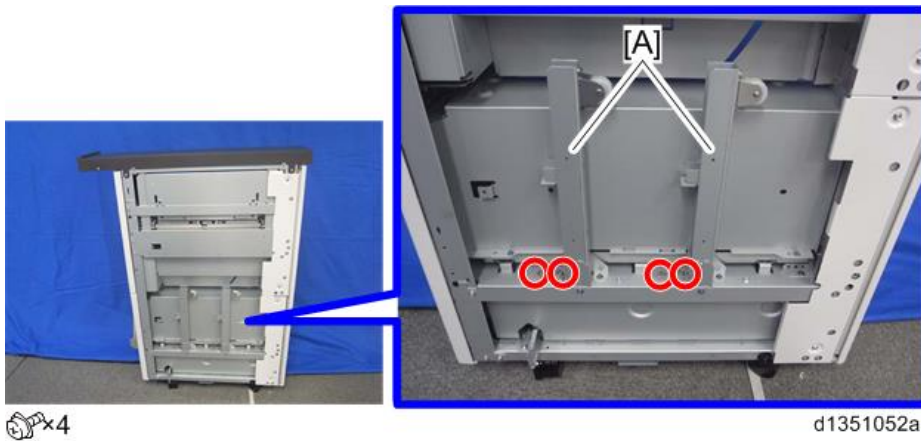
⚠ CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

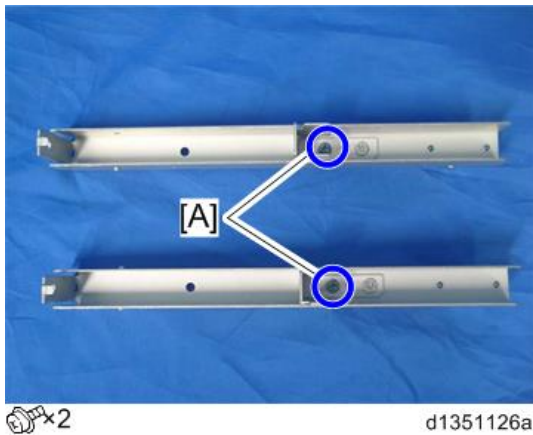
1. Remove the retainers [A].

Note

- Keep the screws. They will be needed to reinstall the retainers after connecting the decurl unit with the main unit.



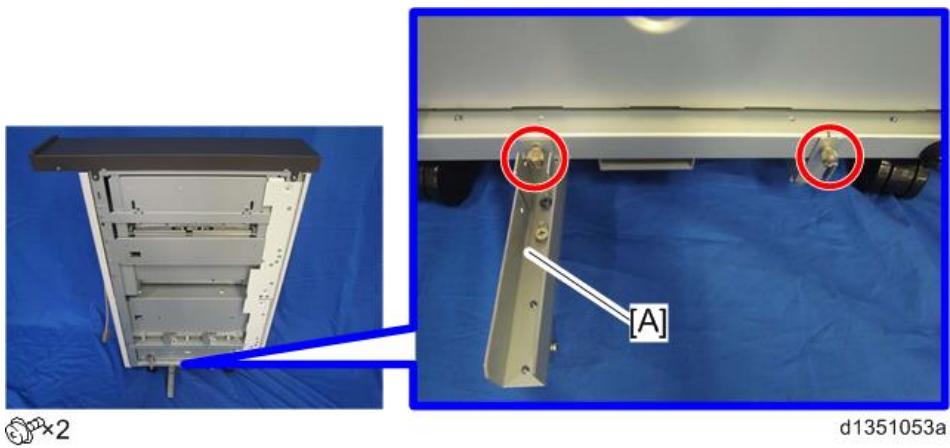
2. Loosen the screws [A] of the retainers.



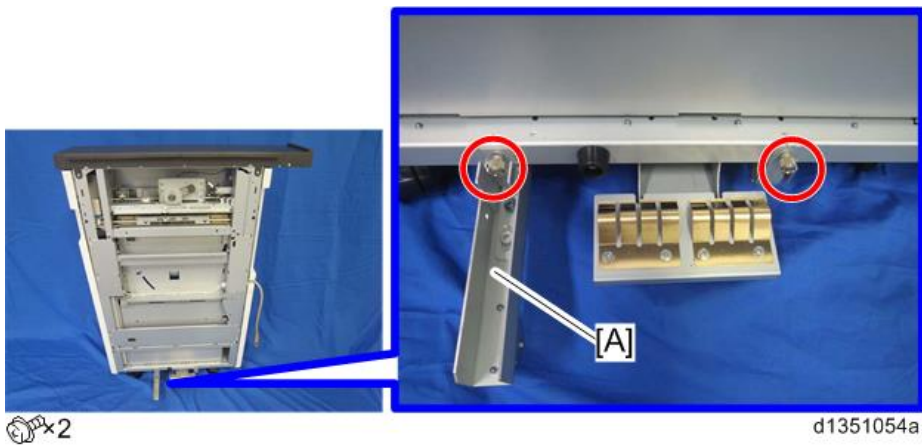
3. Install the retainers on the decurl unit.

Install the retainers [A] alternately on both sides of the decurl unit as shown below.

- Left side of the decurl unit

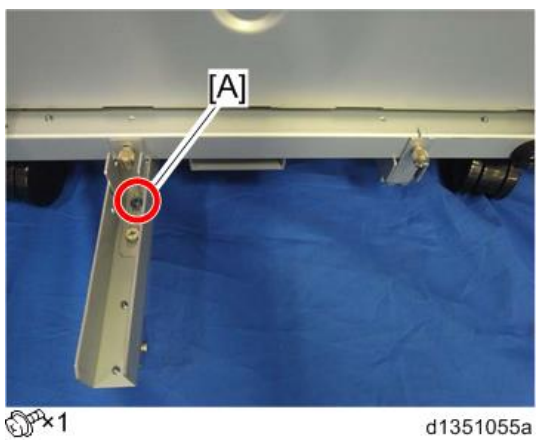


- Right side of the decurl unit



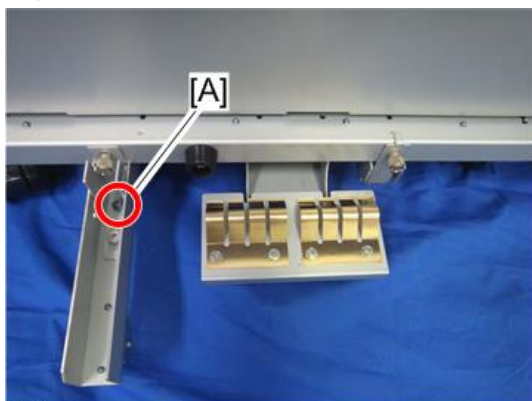
4. Fasten the screws [A] loosened in step 2.

- Left side of the decurl unit



2.Installation

- Right side of the decurl unit

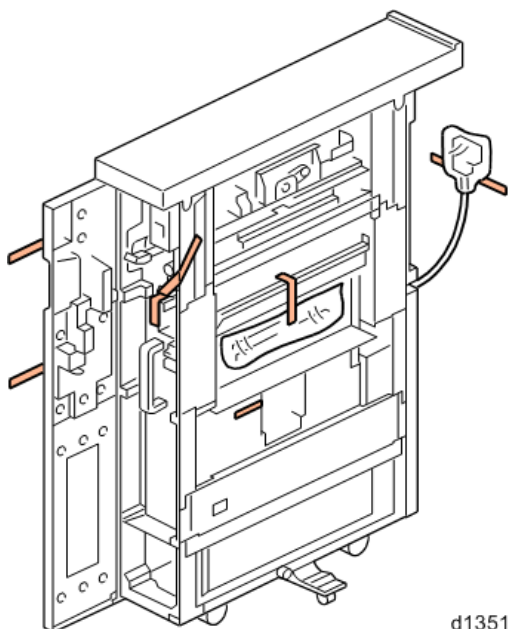


×1

d1351056a

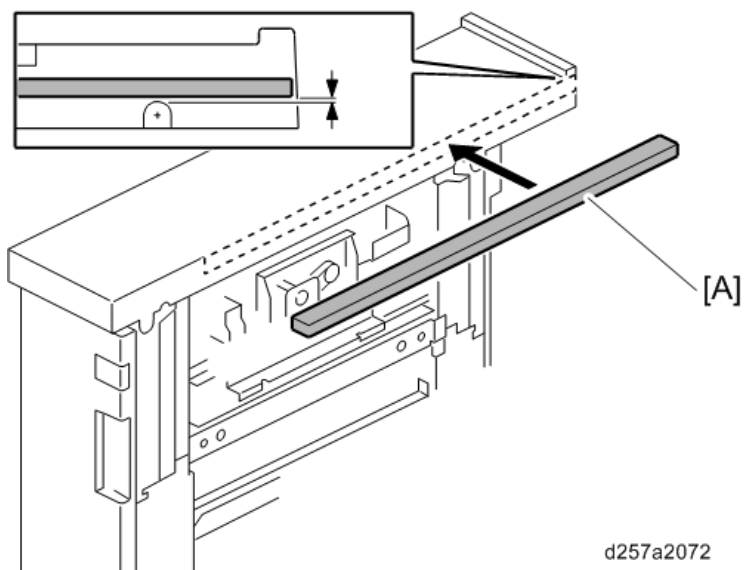
5. Open the front door.

6. Remove tapes and retainers.



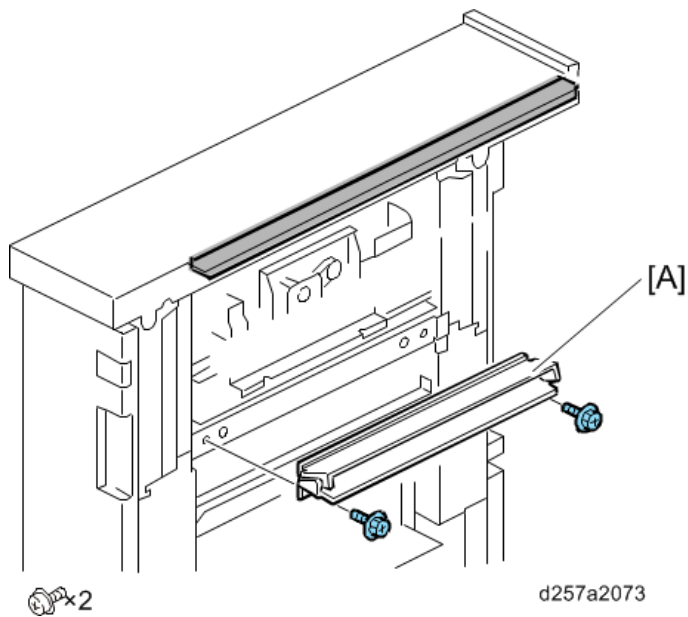
d1351057

7. Peel the tape from the sponge strip [A] and attach it to the top right edge of the unit.



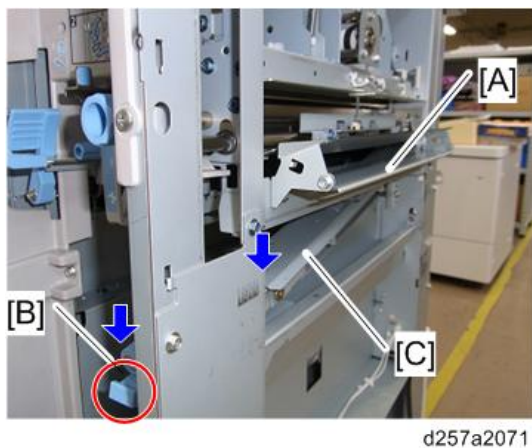
d257a2072

8. Attach the entrance guide plate [A]. (M3x6)



Note

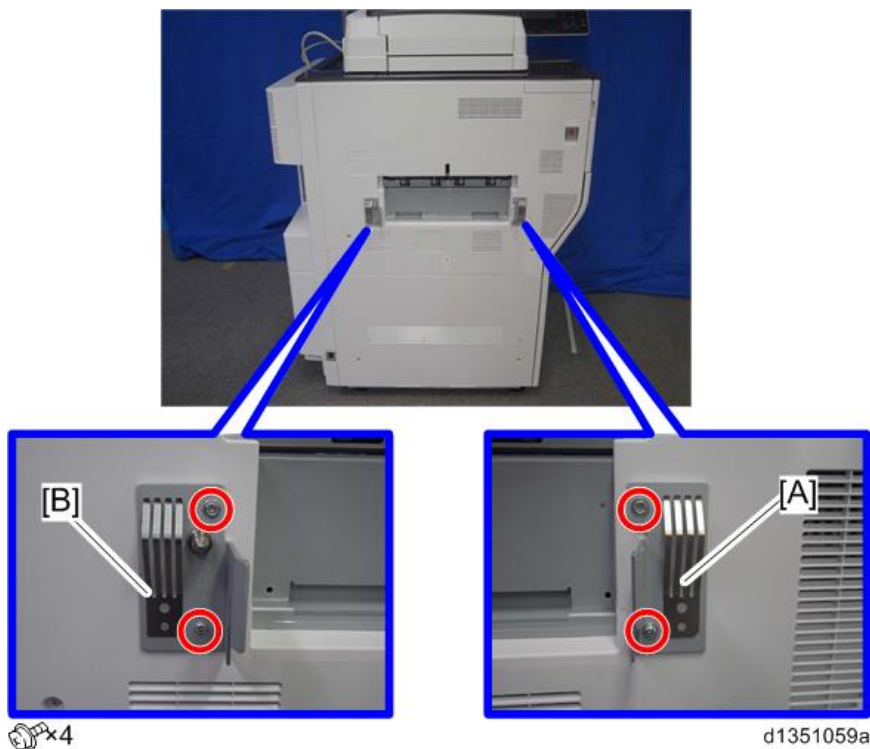
Attach the entrance guide plate [A] while pressing the K4 button [B] which opens the lower transport guide [C].



9. Attach the following to the main machine:

- [A] Right connecting bracket, marked "R" (M4x16)
- [B] Left connecting bracket, marked "L" (M4x16)

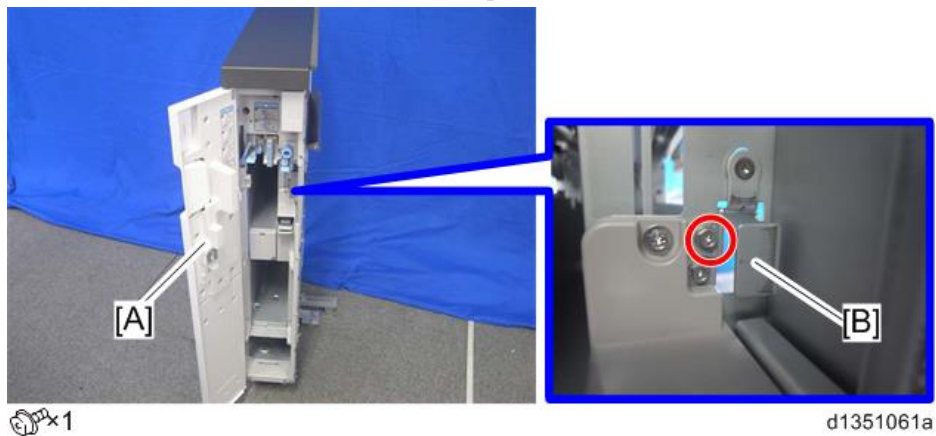
2. Installation



- 10.** Remove the interface connector cover [A] from the main machine.



- 11.** Open the front door [A].
12. Remove the screw of the lock bar [B]. Keep this screw.



- 13.** Remove the retainers installed in step 3.

- 14.** Push the decurl unit [A] against the main machine so that the lock bar is below the connecting brackets.



d1351062

- 15.** Push in the lock bar [A] and fasten it with the screw removed in step 12.



⊗x1

d1351063a

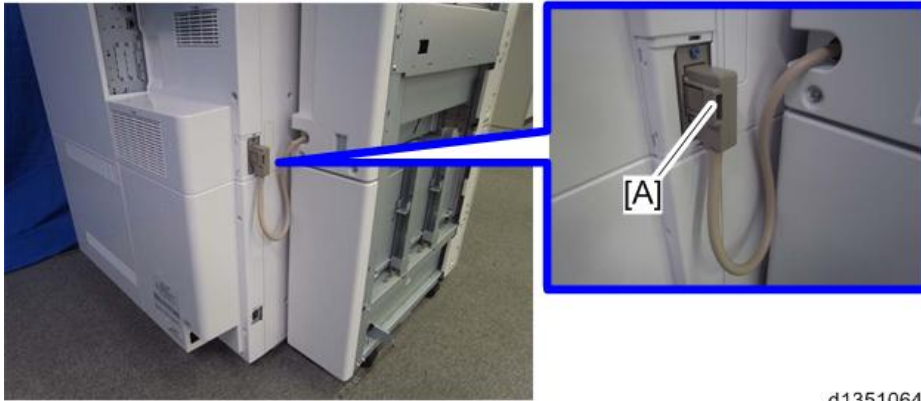
- 16.** Reinstall the retainers [A] removed in step 13 as shown below.



d1351065

2. Installation

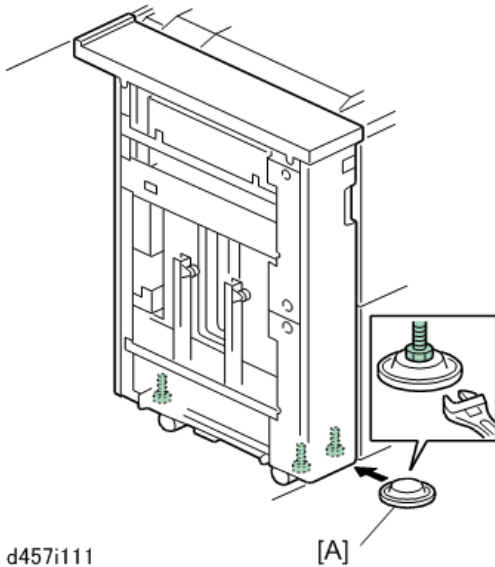
17. Connect the I/F cable [A] of the decurl unit to the main machine.



d1351064

18. Set the leveling shoes [A].

19. Adjust the height of the unit and make sure that it is level.

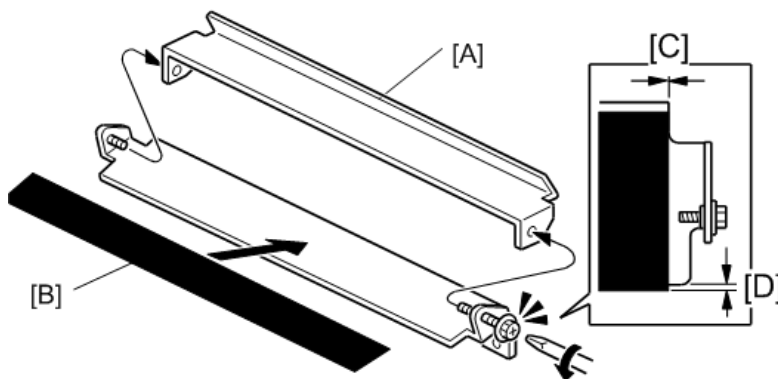


d457i111

20. Remove the entrance guide plate of the downstream device.

21. Disassemble the entrance guide plate [A].

22. Attach the black sheet [B].



d1351374

- [C]: 0 to 1 mm
- [D]: 0 to 1 mm

★ Important

- If the downstream device is Buffer Pass Unit Type S6 (D3D0), don't attach the black sheet. The sheet for the buffer pass unit is provided with the buffer pass unit.

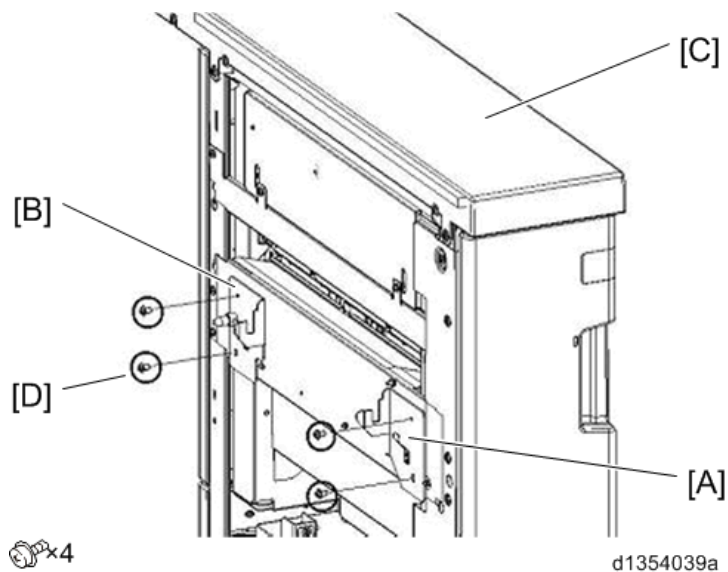
Connect the Downstream Peripheral Device

If the downstream device is Finisher SR4120, Booklet Finisher SR4130, Finisher SR5070, or Booklet Finisher SR5080

1. Attach the following to the decurl unit.

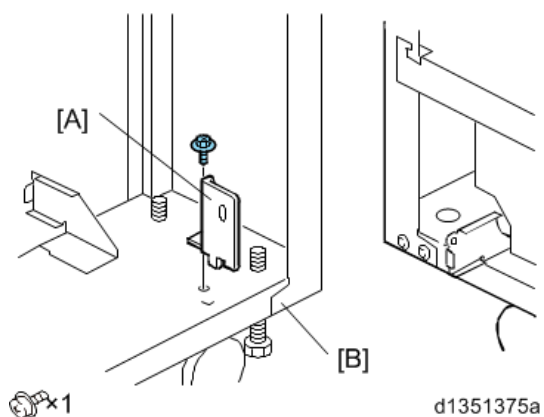
[A]: Right connecting bracket (M4x8)

[B]: Left connecting bracket (M4x8).



If the downstream device is Cover Interposer Tray CI4040 or Cover Interposer Tray CI4020

1. Install the small bracket [A] on the cover interposer tray [B].

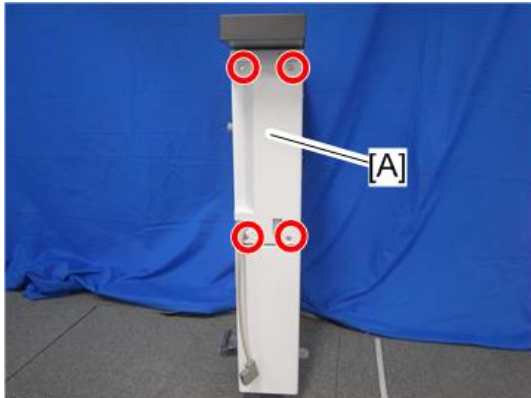


2. Connect the downstream device.

2. Installation

If the downstream device does not have a connecting section (such as Buffer Pass Unit Type S6)

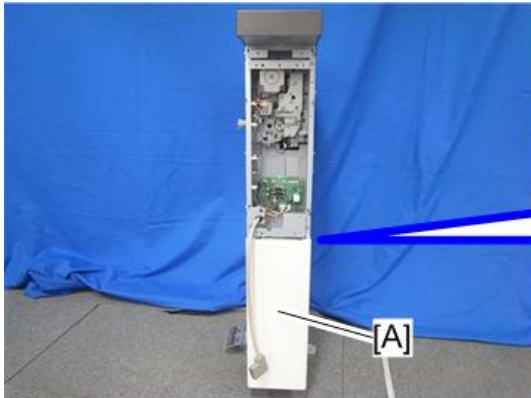
1. Remove the rear upper cover [A] of the decurl unit.



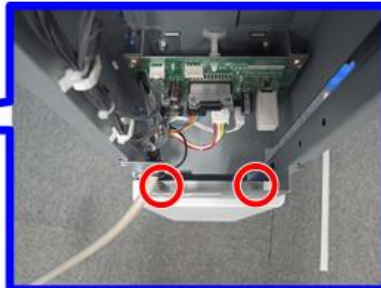
⌀x4

d1351277a

2. Remove the rear lower cover [A] of the decurl unit.



⌀x2



d1351278a

3. Remove the connecting bracket [A].



⌀x3



d1351279a

4. Connect the downstream device.

★ Important

- When you remove the decurl unit, hold it in the lower half, lower than the middle.



d1351389

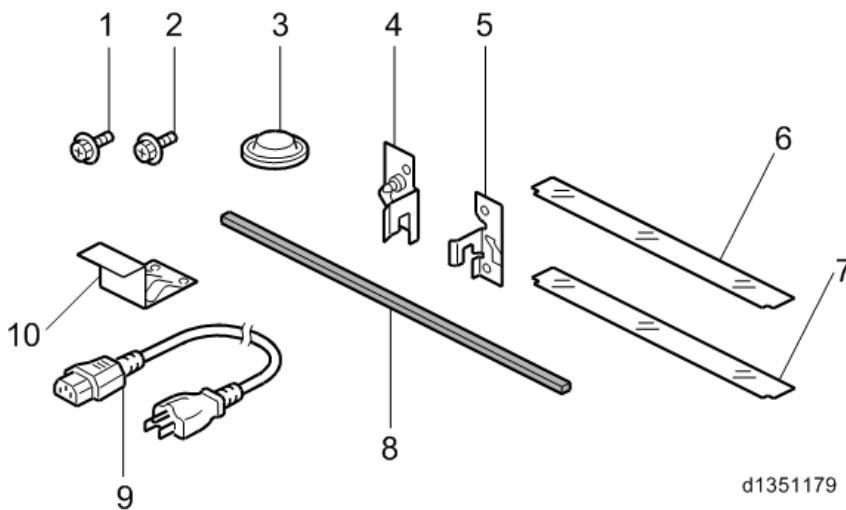
Paper Curl Adjustment When Decurl Unit DU5020 Connects with Finisher SR4120 or Booklet Finisher SR4130

- 1.** Print out 10 sheets of A4/LT in stapling mode, LEF.
- 2.** Check the paper curl.
- 3.** Adjust the paper curl in [System setting] - [Paper curl Correction level].

Buffer Pass Unit Type S6 (D3D0) (Pro C5200S/C5210S Only)

Accessory Check

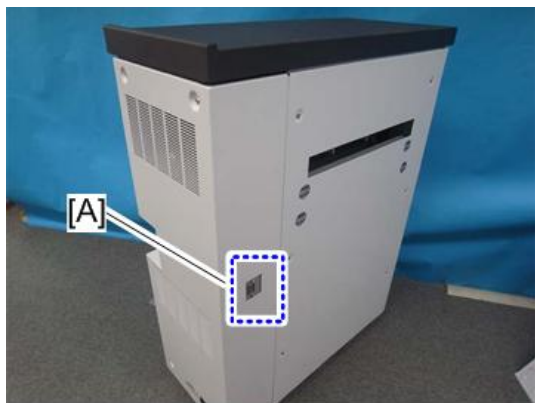
No.	Description	Q'ty
1.	Screws (M4 x 8)	2
2.	Screws (M4 x 16)	4
3.	Leveling Shoes	4
4.	Docking Bracket (L)	1
5.	Docking Bracket (R)	1
6.	Wide Guide Sheet (50.0mm width)	2
7.	Narrow Guide Sheet (35.5mm width)	2
8.	Sponge Strip	1
9.	Power Cord	1
10.	Ground Plate	1



Installation

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.
- The buffer pass unit is unstable and can fall over easily. To avoid personal injury or damage to the unit, use caution when you pull out the buffer pass unit drawer until the unit has been docked to the main machine.
- The power cord that comes with the buffer pass unit is for use with this equipment only. Do not use it with other appliances. Doing so could result in fire or electric shock.
- Rated Voltage of Output Connector [A] for Accessories: Max. DC 24 V.



d1351349

Fuse Rating (DC5V, DC24V Fuse)

PCB: CTB



d1351342

	ID	Rating	Manufacturer	Type No.
[A]	FU1	DC32V/5A	IDEC CORP	NRPS10-5A
[B]	FU2	DC6V/1.5A	TYCO ELECTRONICS CORP	MINISMDC150F

Removing the Entrance Guide

1. Remove all visible external tapes on the external surfaces.



d1351018

2. Open the front door [A] and remove all visible tapes.

⚠ CAUTION

- There are no tapes inside the unit.
- The unit is top heavy and unstable. Use caution when you pull out the buffer pass unit drawer until this unit has been connected to the main machine.

2. Installation



d1351019

- 3.** Remove the right cover [A] of the buffer pass unit.



⊗x6

d1351020a

- 4.** Attach the grounding plate [A]. (M4x8)



⊗x2

d1351021a

5. Remove the entrance guide [A].

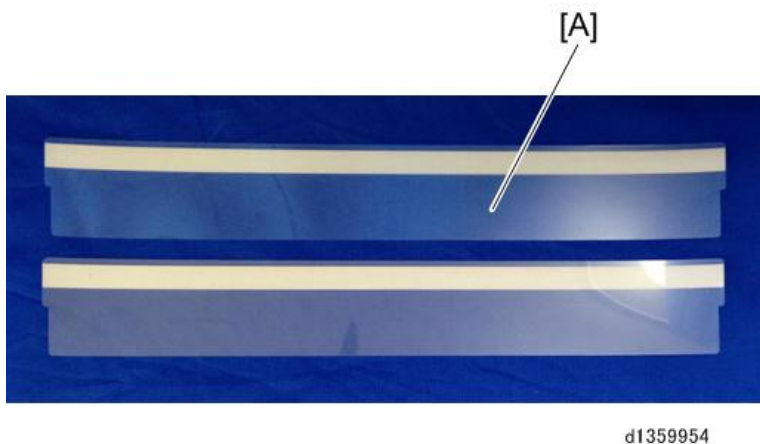


#01: When Connecting the Buffer Pass Unit with the Mainframe

Note

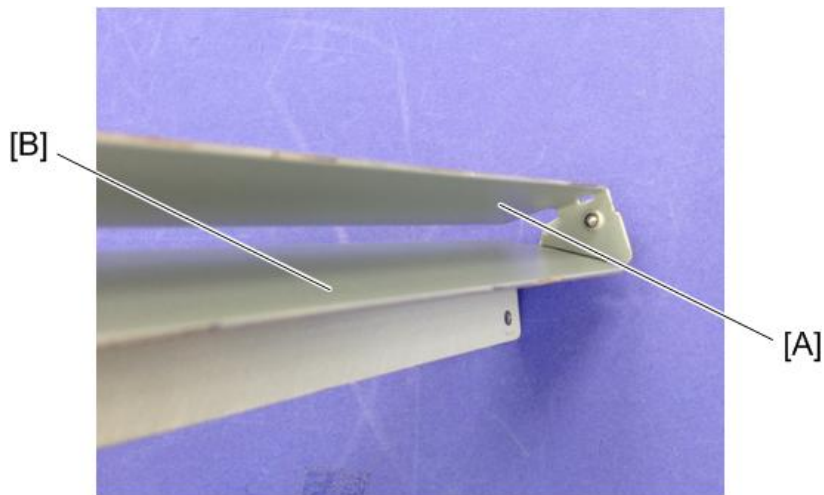
- If the Buffer Pass Unit is to be connected to the Decurl Unit DU5020 (D727), go to "[#02: When Connecting the Buffer Pass Unit with the Decurl Unit DU5020 \(D727\)](#)".

This section describes the procedure for attaching the Wide Guide Sheet to the entrance guide plate that was removed in step 5. ([Removing the Entrance Guide](#))



[A]: Wide Guide Sheet (50mm, accessory item #6)

2. Installation



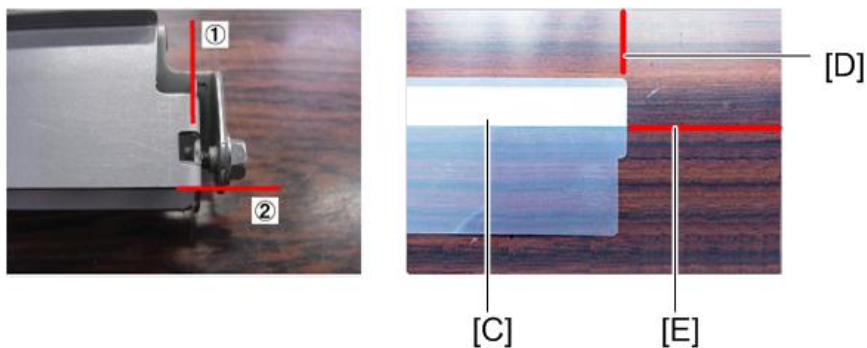
d1359955

[A]: Upper entrance guide plate

[B]: Lower entrance guide plate

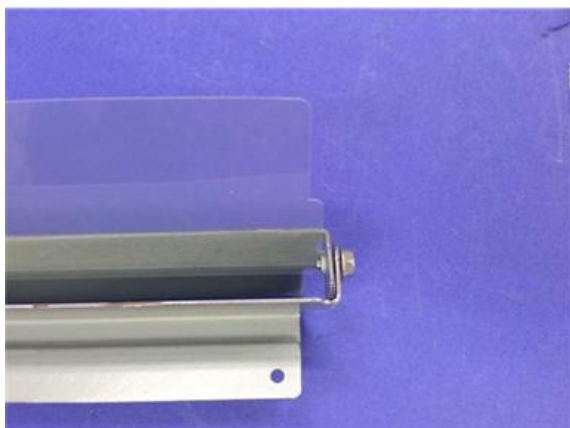
Attaching the Wide Guide Sheet to the Upper Entrance Guide Plate

- 1.** Peel off the release paper from the double-sided tape [C] on the Wide Guide Sheet.
- 2.** Attach the Wide Guide Sheet to the upper entrance guide plate by aligning the edge [D] of the Guide Sheet with the edge (1) of the upper entrance guide plate, and edge [E] of the double-sided tape with the edge (2) of the upper entrance guide plate.



d1359961

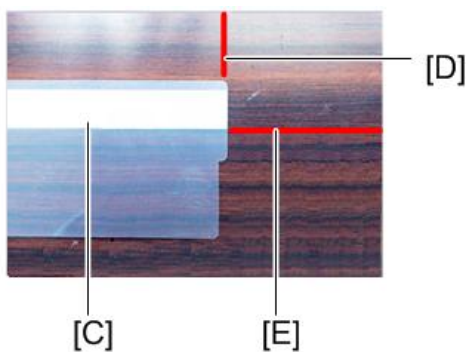
3. Confirm that the Wide Guide Sheet is attached correctly to the upper entrance guide plate as shown in the photo below.



d1359962a

Attaching the Wide Guide Sheet to the Lower Entrance Guide Plate

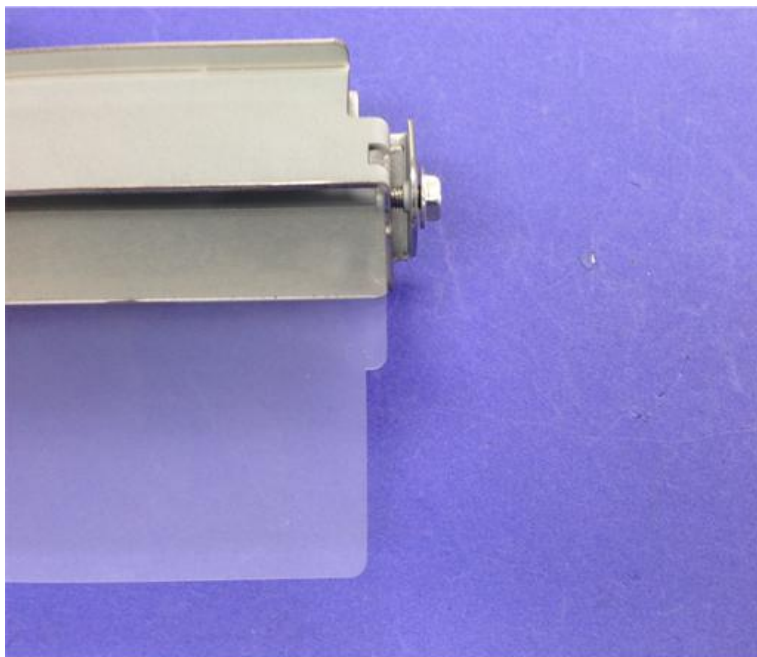
1. Peel off the release paper from the double-sided tape [C] on the Wide Guide Sheet.
2. Attach the Wide Guide Sheet to the lower entrance guide plate by aligning the edge [D] of the Guide Sheet with the edge (1) of the lower entrance guide plate, and edge [E] of the double-sided tape with the edge (2) of the lower entrance guide plate.



d1359963

2. Installation

3. Confirm that the Wide Guide Sheet is attached correctly to the lower entrance guide plate as shown in the photo below.

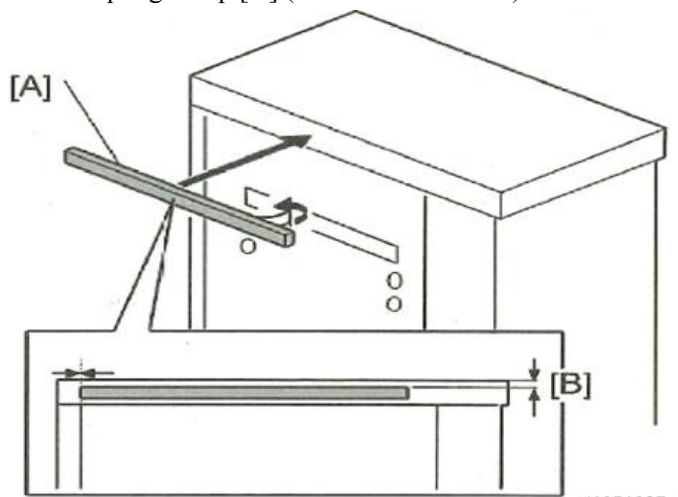


d1359965

4. Reattach the entrance guide plate to the buffer pass unit.

Connecting the Buffer Pass Unit

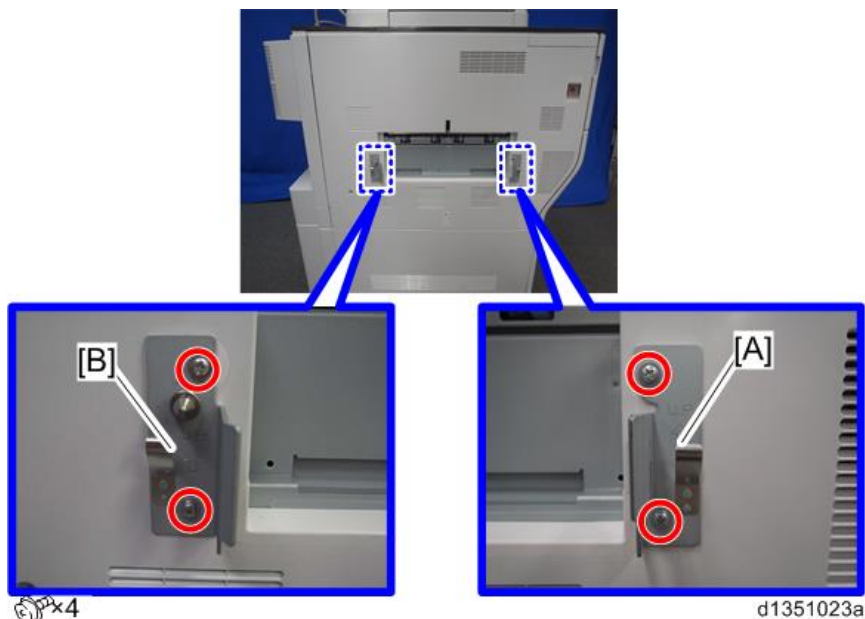
1. Reattach the right cover of the buffer pass unit.
2. Attach the sponge strip [A] (accessories item #8) to the Buffer Pass Unit as shown in the illustration below.



d1351207a

[B]: 5mm

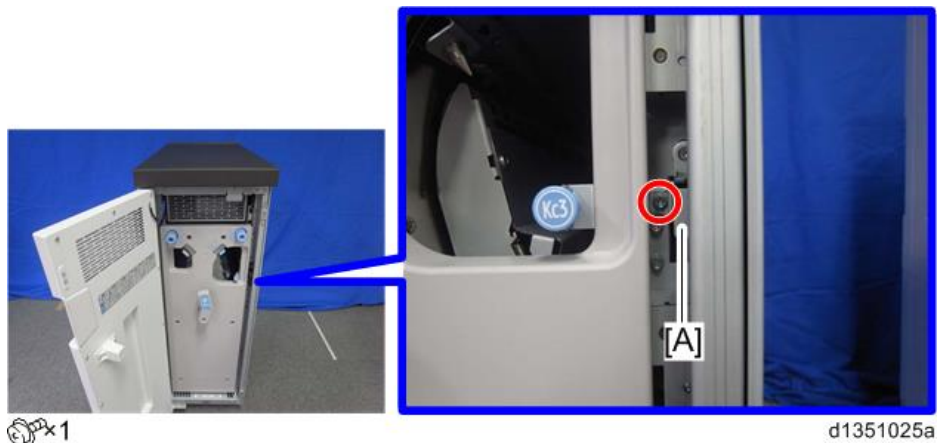
3. Attach the right connecting bracket [A] (accessories item #5) and left connecting bracket [B] (accessories item #4) to the main frame.



4. Remove the connector cover [A] from the mainframe.



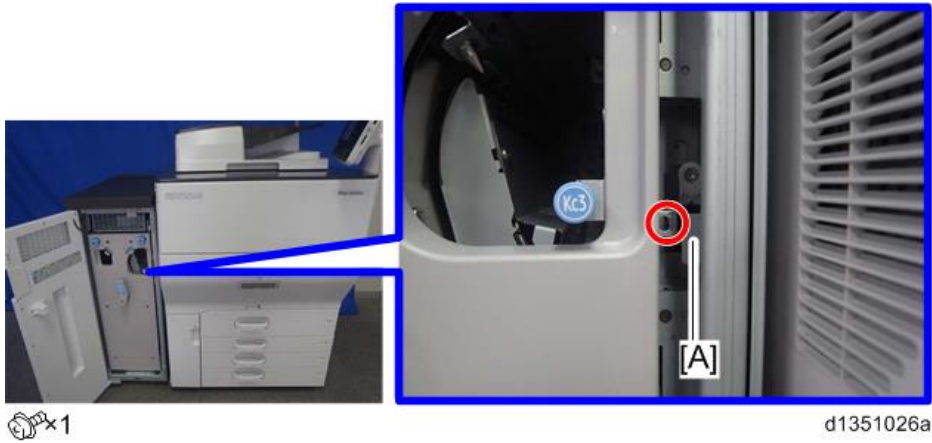
5. Open the front door, then pull out the locking lever [A].



6. Push the buffer pass unit against the mainframe to dock the units.

2.Installation

- 7.** Push the lock lever [A] and fasten it with the screw removed in step 5.



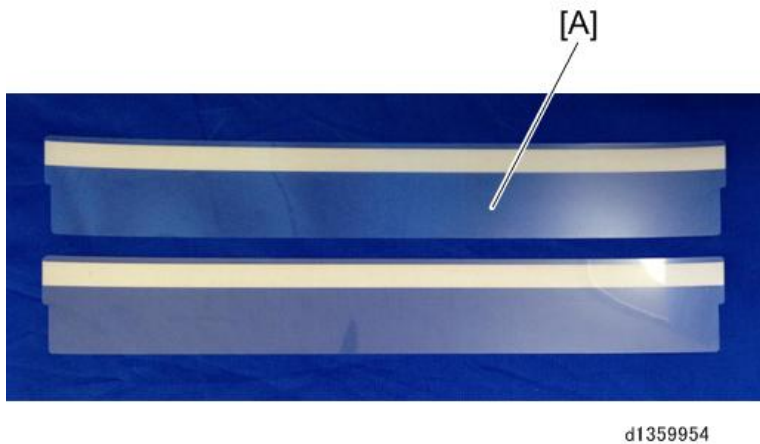
- 8.** Connect the I/F cable of the buffer pass unit to the socket [A] on the mainframe.



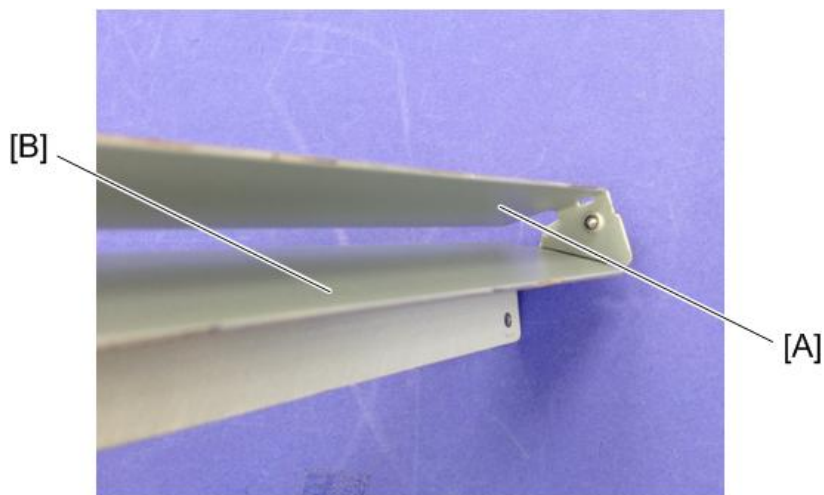
Go to [Common Procedure](#).

#02: When Connecting the Buffer Pass Unit with the Decurl Unit DU5020 (D727)

This section describes the procedure for attaching the Wide Guide Sheet to the entrance guide that was removed in step 5. ([Removing the Entrance Guide](#))



[A]: Wide Guide Sheet (50mm, accessories item #6)



d1359955

[A]: Upper entrance guide

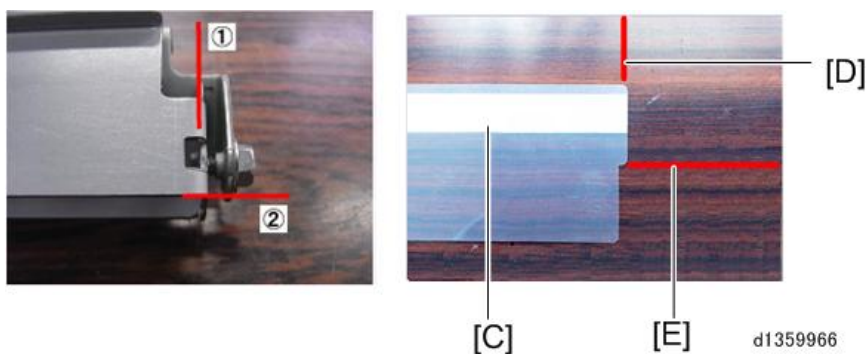
[B]: Lower entrance guide

Attaching the Wide Guide Sheet to the Upper Entrance Guide

1. Peel off the release paper from the double-sided tape [C] on the Wide Guide Sheet.
2. Attach the Wide Guide Sheet to the upper entrance guide by aligning the edge [D] of the Guide Sheet with the edge (1) of the guide plate, and the shorter edge [E] of the Guide Sheet with the edge (2) of the guide plate.

Note

- The alignment position of edge [E] is different from when connecting the buffer pass unit to the mainframe.



d1359966

2.Installation

3. Confirm that the Wide Guide Sheet is attached correctly to the upper entrance guide as shown in the photo below.



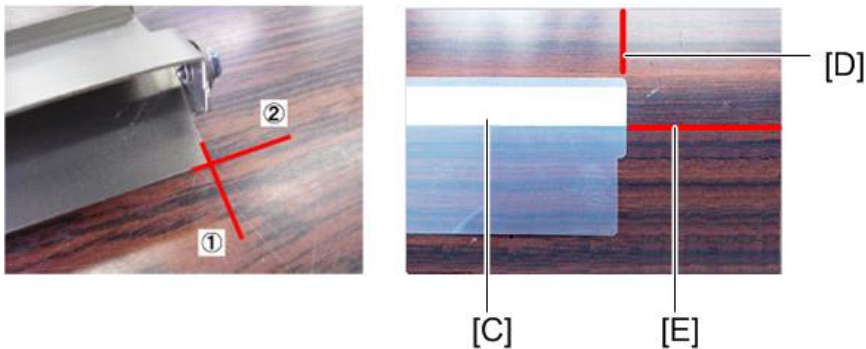
d1359967

Attaching the Wide Guide Sheet to the Lower Entrance Guide

1. Peel off the release paper from the double-sided tape [C] on the Wide Guide Sheet.
2. Attach the Wide Guide Sheet to the lower entrance guide by aligning the edge [D] of the Guide Sheet with the edge (1) of the guide plate, and edge [E] of the double-sided tape with the edge (2) of the guide plate.

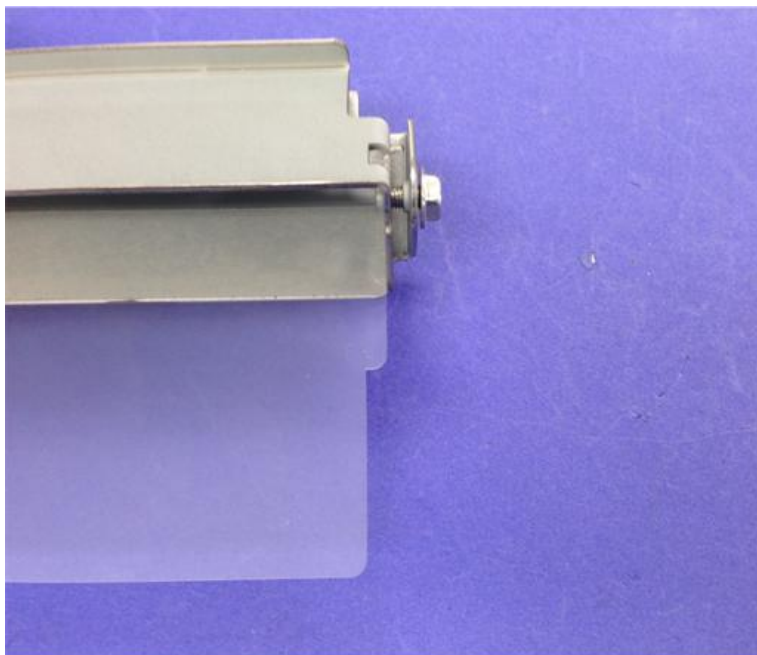
Note

- Same as when connecting buffer pass unit to the mainframe.



d1359963

3. Confirm that the Wide Guide Sheet is attached correctly to the lower entrance guide as shown in the photo below.



d1359965

4. Reattach the entrance guide to the buffer pass unit.

Connecting the Buffer Pass Unit

1. Reattach the right cover of the buffer pass unit.
2. Remove the rear upper cover [A] of the Decurl Unit.

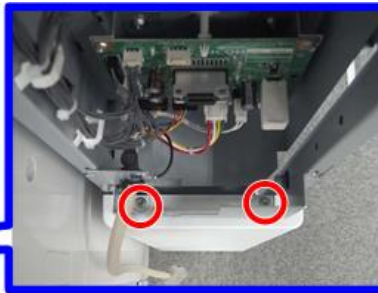
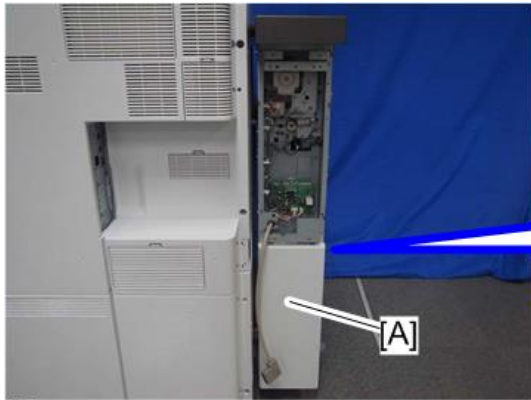


d1351722a

⊗x4

2. Installation

3. Remove the lower rear cover [A] of the Decurl Unit.



d1351723a

 x2

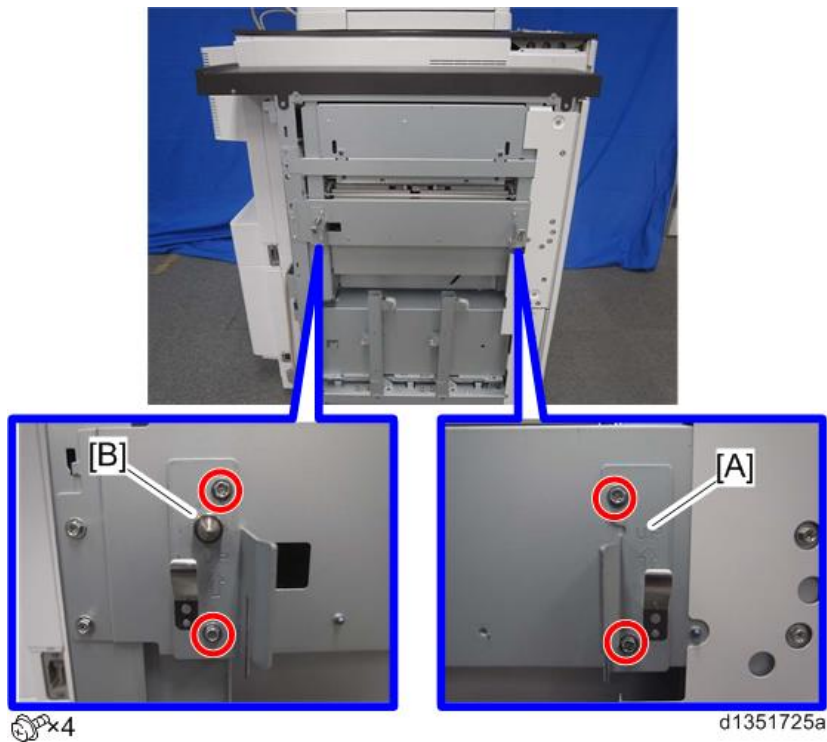
4. Remove the bracket [A] from the Decurl Unit.



d1351724a

 x3

5. Attach the right connecting bracket [A] (accessories item #5) and left connecting bracket [B] (accessories item #4) to the paper exit side of the Decurl Unit.



6. Connect the I/F cable of the Decurl Unit to the socket [A] of the mainframe. Then connect the Buffer Pass Unit with the Decurl Unit similarly to steps 4 through 6 of [#01: When Connecting the Buffer Pass Unit with the Mainframe](#).



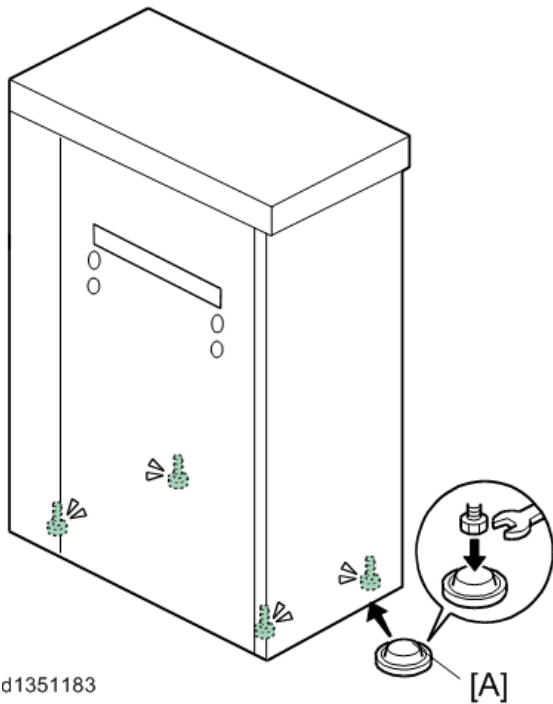
d1359957

7. Go to [Common Procedure](#).

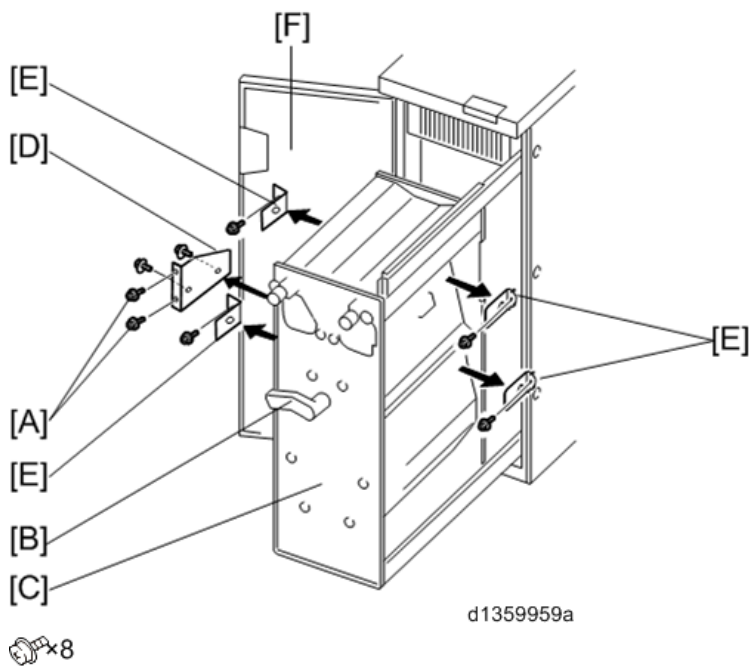
2. Installation

Common Procedure

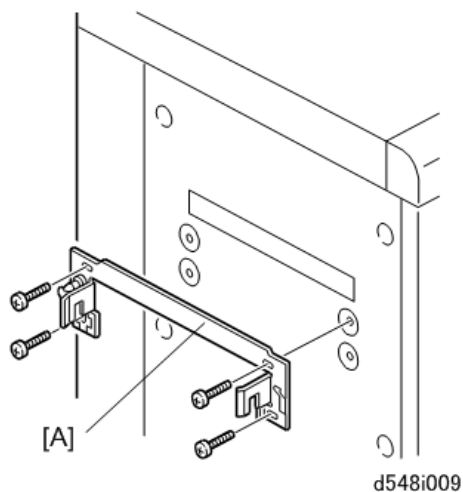
1. Set the leveling shoes [A] and adjust the height of the unit.



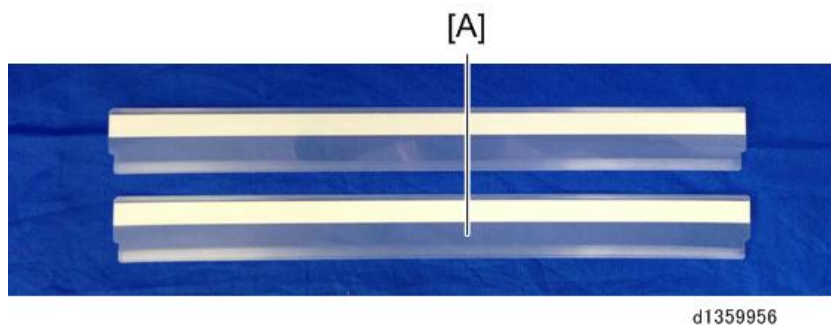
2. Remove the 2 screws [A] on the front side of clamping bracket [D].
3. Turn the Kc5 lever [B] counter clockwise and pull out the buffer pass unit drawer [C].
4. Remove the clamping bracket [D].
5. Remove the 4 shipping brackets [E].
6. Slide in the buffer pass unit drawer [C].
7. Close the front door [F].



8. Attach the connecting bracket [A] of the downstream device to the left side of the buffer pass unit. (The illustration below is an example showing the bracket for SR4110.)

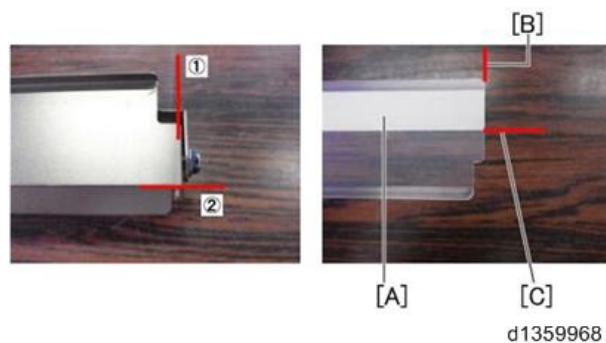


9. Attach the Narrow Guide Sheet [A] (35.5mm, accessories item #7) to the entrance guide of the downstream device (for example, the SR4110) by referring to the procedure in the following section.



Attaching the Narrow Guide Sheet to the Upper Entrance Guide

1. Peel off the release paper from the double-sided tape [A] on the Narrow Guide Sheet.
2. Attach the Narrow Guide Sheet to the upper entrance guide by aligning the edge [B] of the double-sided tape with the edge (1) of the guide plate, and the edge [C] of the double-sided tape with the edge (2) of the guide plate.



2. Installation

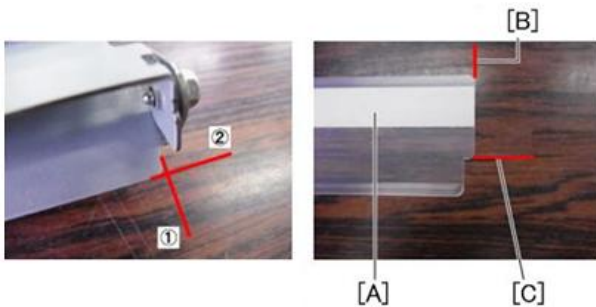
3. Confirm that the Narrow Guide Sheet is attached correctly to the upper entrance guide as shown in the photo below.



d1359968-1

Attaching the Narrow Guide Sheet to the Lower Entrance Guide

1. Peel off the release paper from the double-sided tape [A] on the Narrow Guide Sheet.
2. Attach the Narrow Guide Sheet to the lower entrance guide by aligning the edge [B] of the Guide Sheet with the edge (1) of the guide plate, and edge [C] of the double-sided tape with the edge (2) of the guide plate.



d1359969

3. Confirm that the Narrow Guide Sheet is attached correctly to the lower entrance guide as shown in the photo below.



d1359969-2

Completing the Installation

1. Dock the downstream device to the buffer pass unit.

2. Connect the power cord [A] provided with the buffer pass unit to the power inlet on the buffer pass unit.



d1351657

3. Connect the buffer pass unit power cord to the wall socket, and then connect the mainframe power cord to the wall socket.

Note

- Make sure the power cords are plugged into the wall sockets in the above order. Otherwise, the buffer pass unit will not be recognized by the mainframe when turning on the power in the following step, and this will cause a paper jam in the buffer pass unit.

4. Turn ON the main power switch on the mainframe.
5. Confirm proper function of the buffer pass unit to complete the procedure.

Multi-Folding Unit FD4000 (D615)

Note

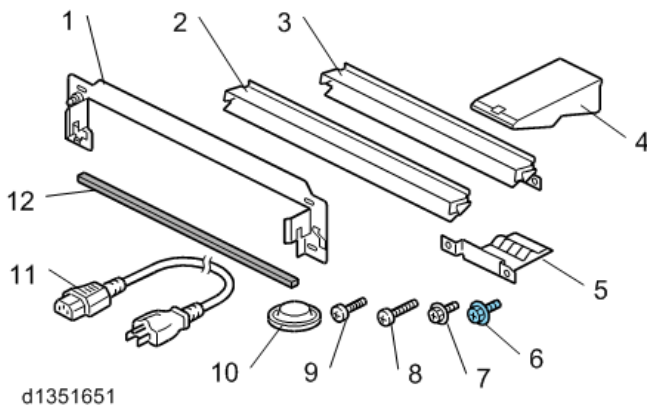
- **Pro C5200S/C5210S:** To use Multi-Folding Unit FD4000, one of the following is also required: Finisher SR4120, Booklet Finisher SR4130, Finisher SR5070, or Booklet Finisher SR5080
- **MP C6503/C8003:** To use Multi-Folding Unit FD4000, one of the following is also required: Finisher SR4120, Booklet Finisher SR4130, or Finisher SR4110

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Joint Bracket	1
2.	Entrance Guide Plate – Long (for MP C6503/MP C8003/Pro C5200S/Pro C5210S)	1
3.	Entrance Guide Plate – Short (Not used)	1
4.	Proof Tray Auxiliary Plate - Bottom	1
5.	Ground Plate	1
6.	Screws 3x6	2
7.	Screws M3x6	2
8.	Screws M4x20	4
9.	Screws M4x14 (Not used)	4
10.	Leveling Shoes	5
11.	Power Cord *1	1
12.	Sponge Strip	1

*1: When using this unit in China, do not use this power cord provided with this unit. Contact your supervisor and use the power cord specified for use in China.



Installation

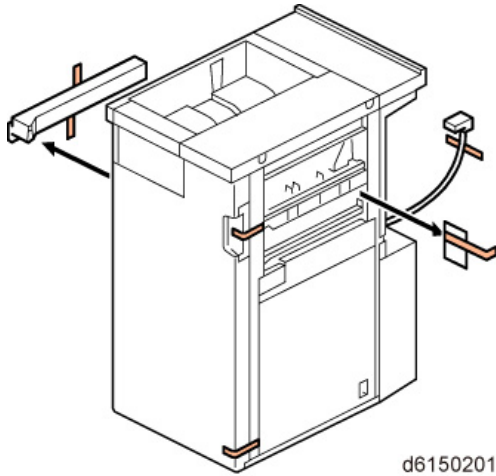
CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing

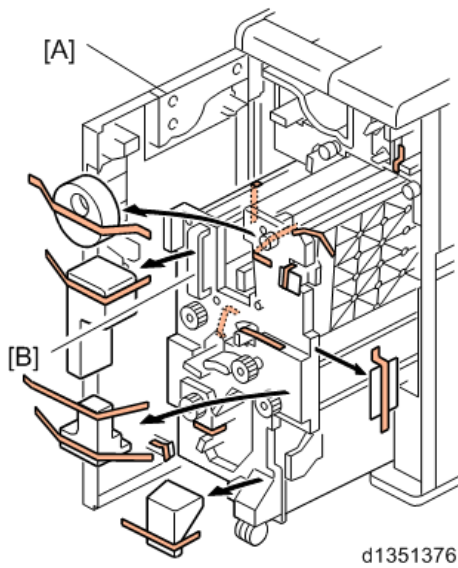
the following procedure.

Tapes

- 1.** Remove all tapes and retainers from the front, left, rear, and right sides.



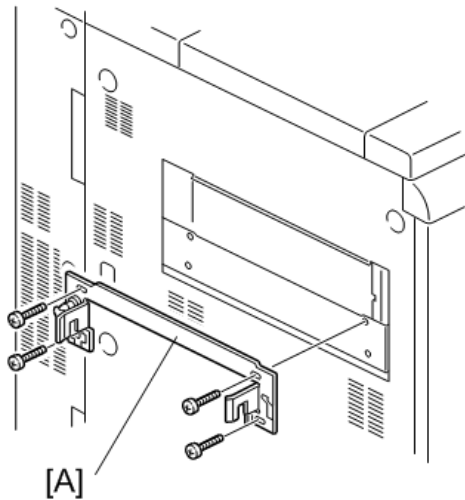
- 2.** Open the front door [A].
- 3.** Remove all tape from inside [B].



2. Installation

Paper Guide, Sponge Strip

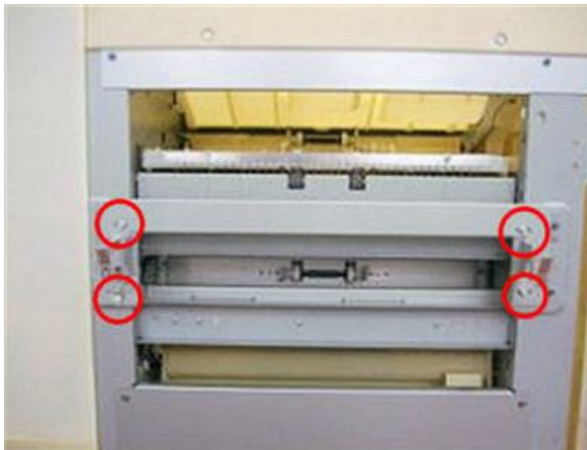
1. Fasten the connecting bracket [A] to the left side of the upstream device. (M4x20)



 x4

d1351377a

2. Fasten the connecting bracket provided with the downstream device to the left side of the multi-folding unit, if a downstream device is going to be installed. (M4x14)



 x4

d257a5073

Note

- Use the screws provided with the downstream device.

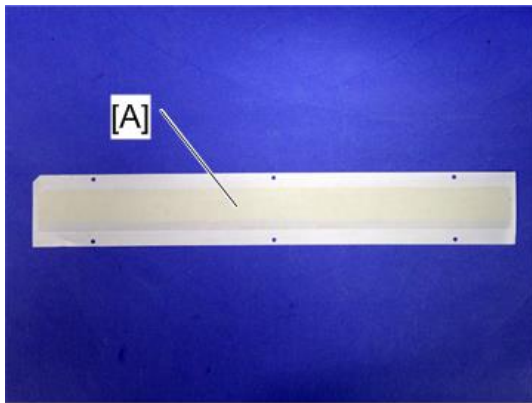
3. Select the long entrance guide plate for the installation.

- Two entrance guide plates are provided.
- The short one is for another machine.

Important

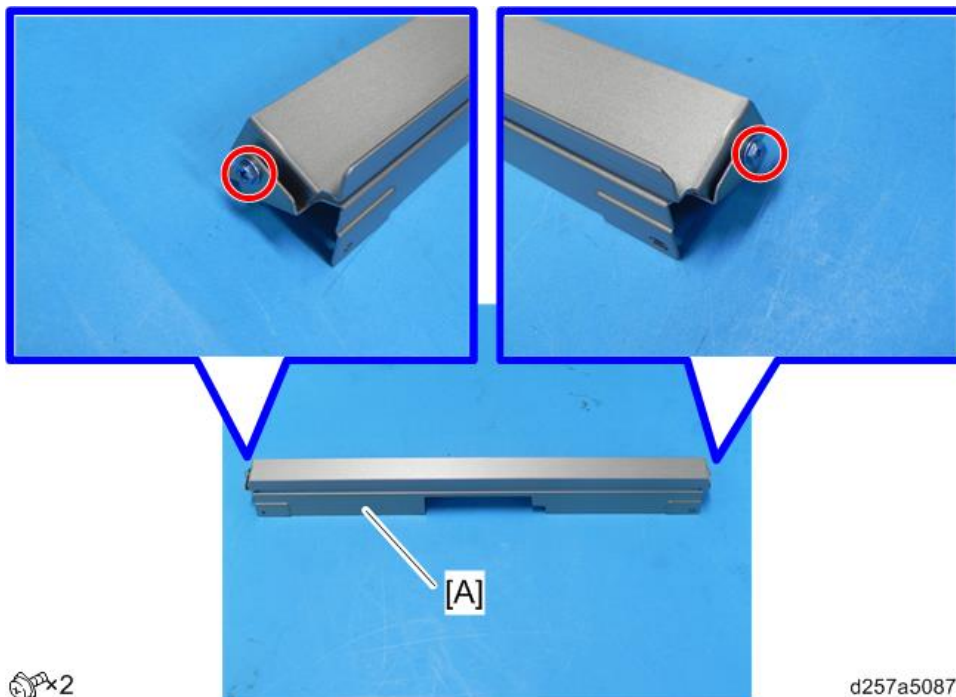
- If the upstream device is the Decurl Unit DU5020 (D727), attach the black mylar provided with the cover interposer tray (Cover Interposer Tray CI4040) or decurl unit to this entrance guide plate.

4. If the upstream device is the main machine, prepare the guide sheet [A] provided with the main machine.
If the upstream device is not the main machine, proceed to step 8.



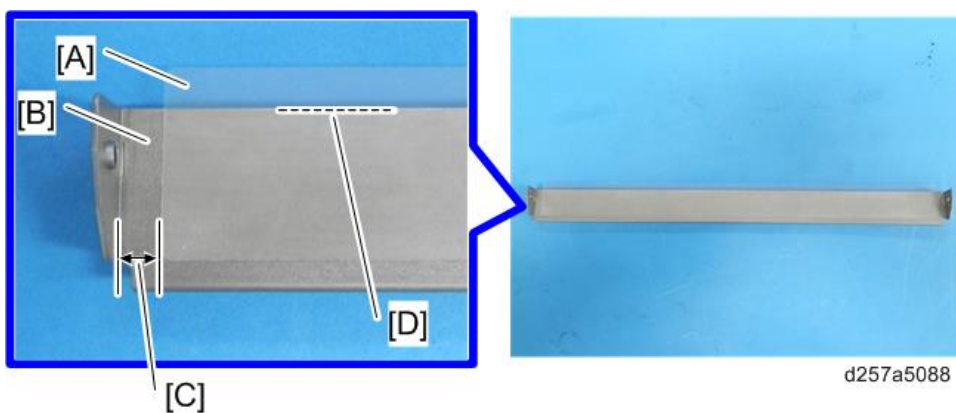
d257a5054

5. Divide the entrance guide plate [A] into two parts.



d257a5087

6. Remove the release paper from the guide sheet [A], and attach the guide sheet to the side of the upper entrance guide plate [B] which becomes the inner side when assembled.



d257a5088

[C]: Position the edge of the guide sheet 5 mm inside from the edge of the upper entrance guide plate.

[D]: Align the edge of the adhesive tape with the edge of the upper entrance guide plate.

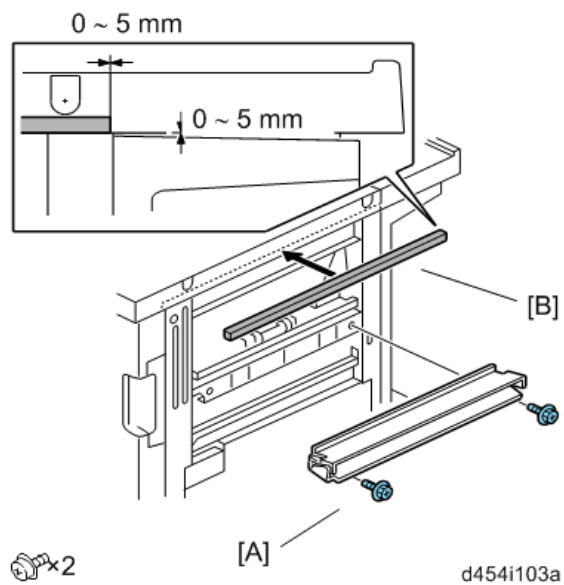
2. Installation

7. Reassemble the entrance guide plate [A].



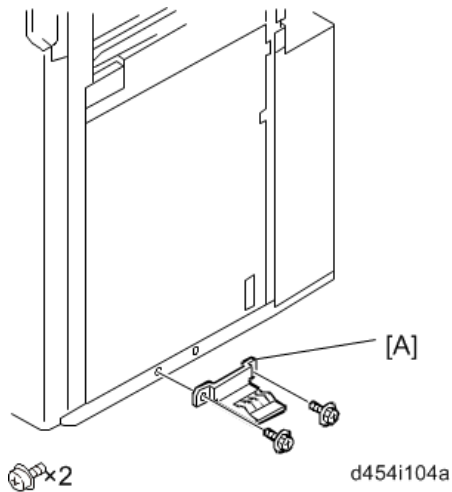
8. Attach the long entrance guide plate [A] to the left side of the multi-folding unit. (M3x6)

9. Peel the tape from the sponge strip [B], and attach the strip to the top right edge of the multi-folding unit.



Ground Plate

1. Attach the grounding plate [A] to the lower right edge of the unit. (M3x6)



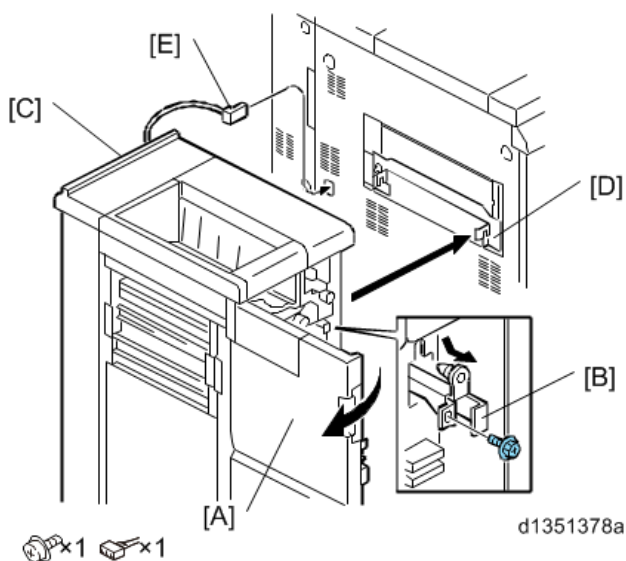
Docking

Do steps 8 to 12 only if the upstream device is the Cover Interposer Tray CI4020 (D712).

1. Open the front door [A].
2. At the front right corner, remove the screw of the lock bar [B] (M3x6). **Keep this screw.**
3. Pull out the lock bar.
4. Slowly push the unit [C] against the left side of the upstream device (or main machine) so that the lock bar is directly and squarely under the arms of the connecting bracket.
5. Push in the lock bar so it slides up into the notches in the arms on both ends of the connecting bracket [D].
6. Fasten the lock bar by re-attaching the screw removed in **Step 2**.
7. Connect the I/F cable [E] to the upstream device (or main machine).

Note

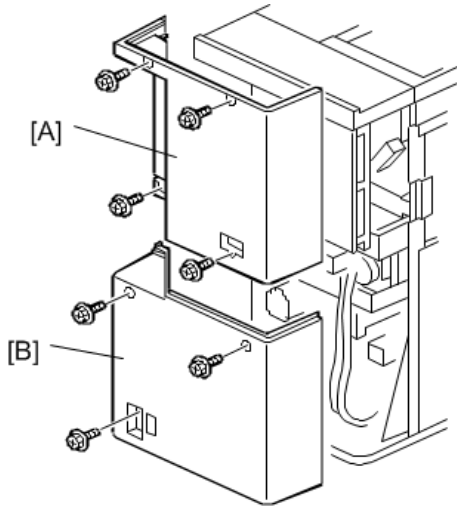
- If you are connecting to the main machine, you must first remove the plastic cap on the I/F cable connection point.



2. Installation

8. Remove the items below:

- [A] Rear upper cover
- [B] Rear lower cover



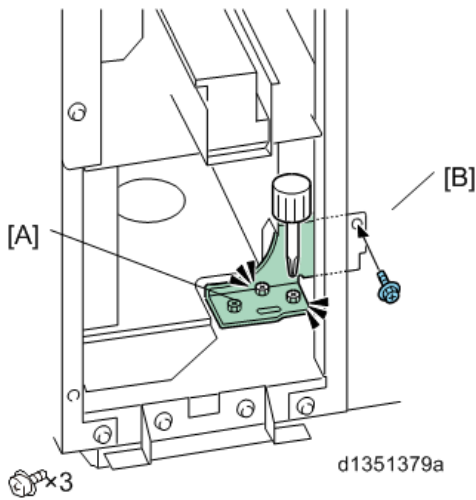
 x7

d454i106a

9. Use a short screwdriver to loosen bracket [A].

10. Fasten the bracket to the upstream device at [B].

11. Tighten the screws.



 x3

d1351379a

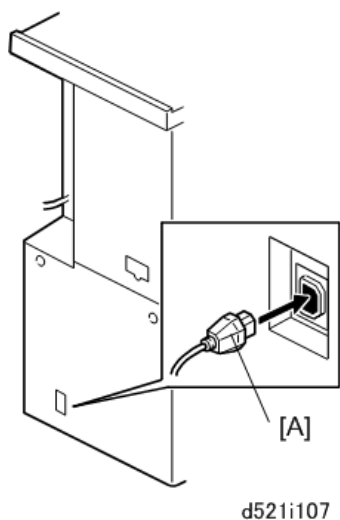
12. Re-attach the rear covers.

Power Cord

1. Insert the power cord [A] into the power connection point.

Important

- In China, do not use the power cord provided with this unit. Contact your supervisor and use the power cord specified for use in China.



2. Plug in the power cord for the Multi-Folding Unit into an AC wall outlet.
3. Disconnect the power cord from the copier, and then press the main power switch.

★ Important

- This releases the charge remaining inside the machine. If you do not do this step, the copier **will not recognize the Multi-Folding Unit** and paper jams will occur. (See [Notes on the Main Power Switch.](#))

4. Plug in the power cord for the copier into an AC wall outlet.
5. Turn ON the main power switch.

★ Important

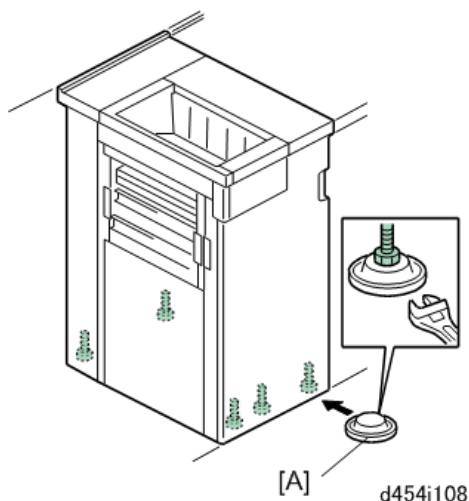
- If the copier main power turns on automatically when you plug in the cord, wait until the machine finishes warming up. Then, turn the main power OFF and ON again.

6. Make sure that the Multi-Folding Unit operates correctly.

Height Adjustment

Adjust the height of the unit and make sure that it is level.

1. Turn the lower nut to lower the bolt.
2. Set the leveling shoes [A] below the bolt.



2. Installation

Removing Parts for the Cover Interposer Tray CI4020 (D712)

Three parts must be removed before the tray unit of the cover interposer tray can be mounted on top of the Multi Folding Unit.

1. Open the front door.

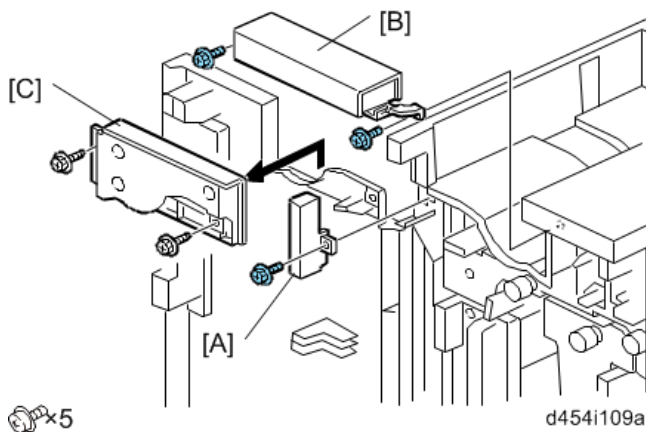
★ Important

- The following parts require removal only if the upstream device is the Cover Interposer Tray CI4020 (D712).
- These parts must be removed so that the tray unit of the Cover Interposer Tray will fit on top of the Multi Folding Unit.

2. Remove:

- [A] Bracket
- [B] Cross-piece
- [C] Metal plate from the door

3. After removing [B] and [C], reattach [A].



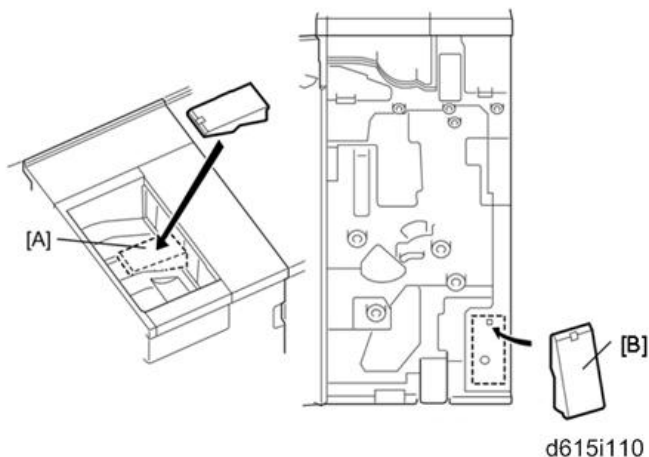
Proof Tray Auxiliary Plate

1. Install the proof tray auxiliary plate.

- Set the plate [A] in the center aligned with the diagonal groove.
- The back should be flat against the end fence.

2. When the plate is not being used, open the front door and store the plate at [B] inside the inner cover.

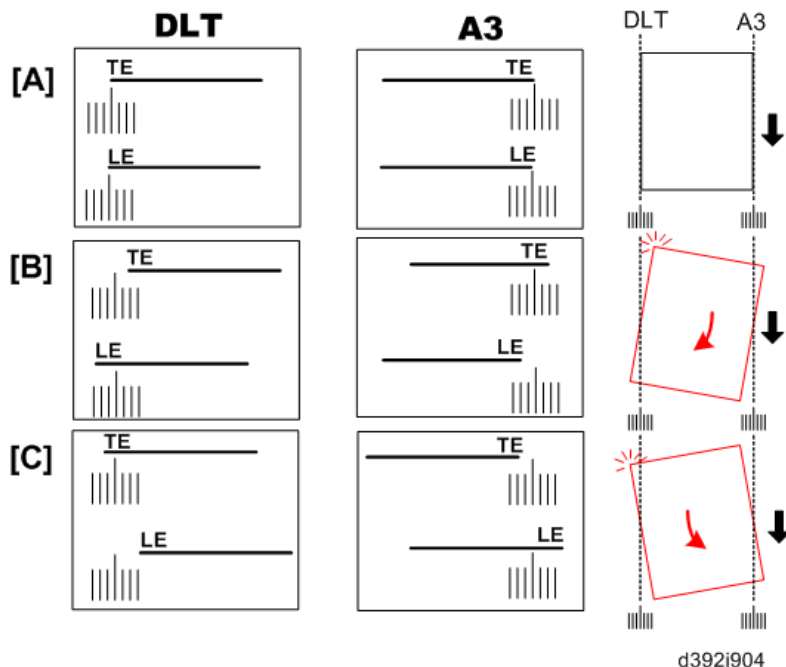
- The plate should be used when Z-folded paper (all sizes) is output to the proof tray.
- If the plate is not used with Z-folded output, the pages could mix and overlap.



Detecting Paper Skew

Do this check to detect the presence of skew in the paper path.

- 1.** Make sure that the I/F cable of the unit is connected to the upstream device.
- 2.** If a peripheral unit is connected on the left side, disconnect it and pull it away.
- 3.** Execute a straight-through run.
- 4.** Check the scale where each sheet exits.
 - The rear scale is for DLT-size paper.
 - The front scale [2] is for A3-size paper.
 - Be sure to read the correct scale for the paper size in use.



d392i904

[A]	Centered. No adjustment necessary.
[B]	Trailing edge skew to the front, total skew more than ± 2 mm. Adjustment required.
[C]	Trailing edge skew to the rear, total skew more than ± 2 mm. Adjustment required.

2. Installation

Correcting Skew

1. Disconnect the multi-folding unit from the upstream device.
2. Remove the spacers from the multi-folding unit.



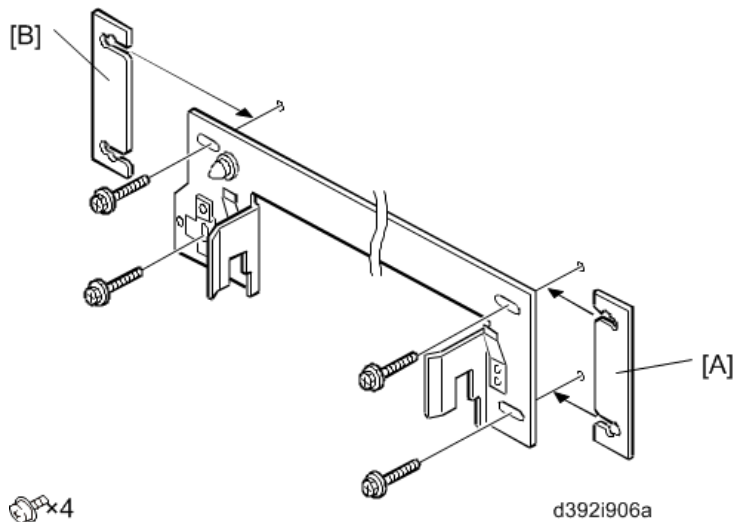
d454i111

3. Loosen the screws of the connecting bracket attached to the upstream device.
4. Insert a spacer and tighten the screws.

If the trailing edge is skewing toward the **front** of the machine, insert a spacer [B] under the **rear** end of the bracket and tighten the screws.

-or-

If the trailing edge is skewing toward the **rear** of the machine, insert a spacer [A] under the **front** end of the bracket and tighten the screws.

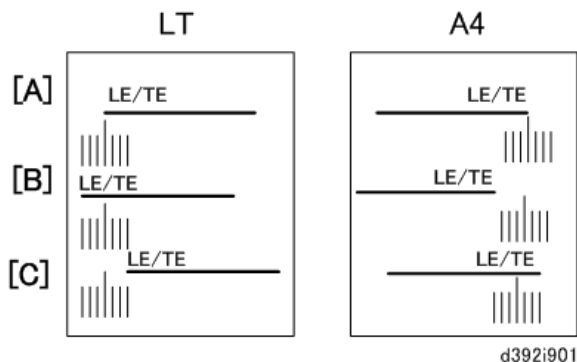


5. Do another run to check the adjustment. If skew is still present, insert another spacer.
 - Each spacer is 2 mm thick.
 - Only two spacers are provided, so the maximum adjustment is 4 mm (using two spacers).

Checking Side-to-Side Registration

Do this procedure to confirm that the paper is centered in the paper path.

1. Make sure that the I/F cable of the unit is connected to the upstream device.
2. Disconnect the unit to the left of the unit to be tested.
3. Execute a run by feeding paper from Tray 2 of the host machine.
4. When each sheet exits, check the position of the paper on the scale to see if the paper is centered.
 - Read the rear scale for DLT-size paper
 - Read the front scale for A3-size paper.
 - The scale lines are spaced 2 mm apart.
5. The paper must not deviate more than ± 2 mm on the scale.



[A]	Leading/trailing edges centered. No adjustment necessary.
[B]	Leading/trailing edges offset to the rear by more than 2 mm. Adjustment required.
[C]	Leading/trailing edges offset to the front by more than 2 mm. Adjustment required.

If the edge of the paper is on the scale at the center [A], no adjustment is required.

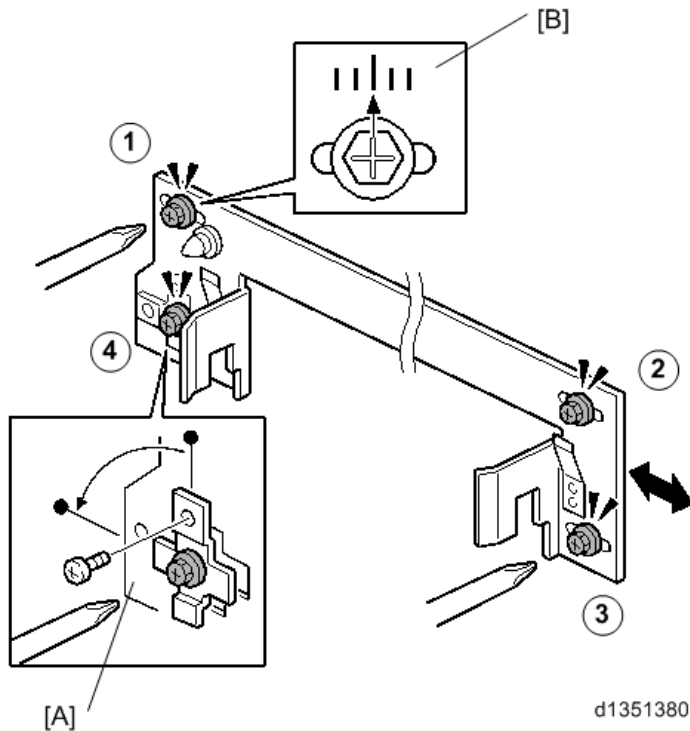
-or-

If the edge of the paper is ± 2 mm off the center line on the scale, adjustment is required. Do the procedure in the next section.

2. Installation

Correcting Side-to-Side Registration

- 1.** Disconnect the multi-folding unit from the upstream device.



- 2.** On the connecting bracket attached to the upstream device, loosen screws ①, ②, ③, and ④.
- 3.** Remove bracket [A], rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the connecting bracket so that it can slide from side to side.
- 4.** Look at the scale [B].
- 5.** Slide the bracket to the left or right and tighten the screw.
- 6.** If the deviation from center was toward the front, slide the bracket to the rear and tighten the screw ①.
-or-
If the deviation from center was toward the rear, slide the bracket to the front and tighten the screw ①.
- 7.** Tighten screws ②, ③, and ④.
- 8.** Do another test run, so that you can check the results of the adjustment.

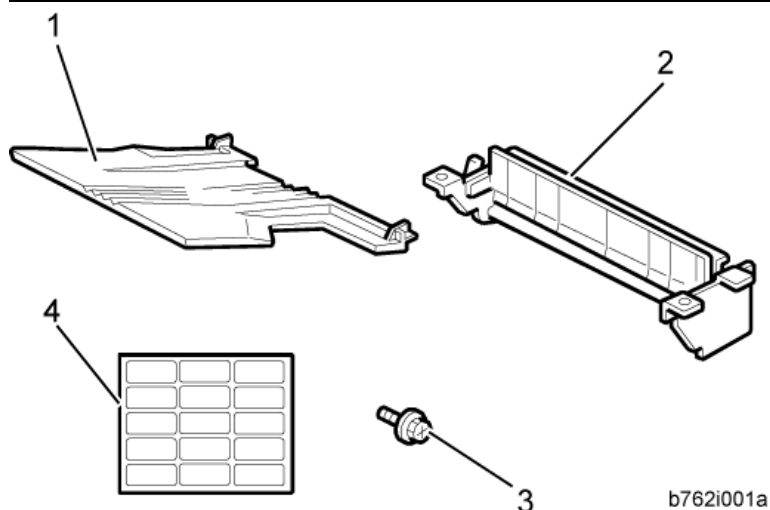
Mail Box CS4010 (D708)

The Mail Box CS4010 is installed on the Finisher SR4120 or Booklet Finisher SR4130. It cannot be installed with the Cover Interposer Tray CI4040. (Either the mail box or Cover Interposer Tray CI4040 can be installed on top of the finisher, but not both.)

Accessories

Check the accessories and their quantities against this list.

No.	Description	Qty
1.	Trays	9
2.	Guide plate	1
3.	Tapping screws - M3x8	6
4.	Decals (bin display)	1



Installation Procedure

⚠ WARNING

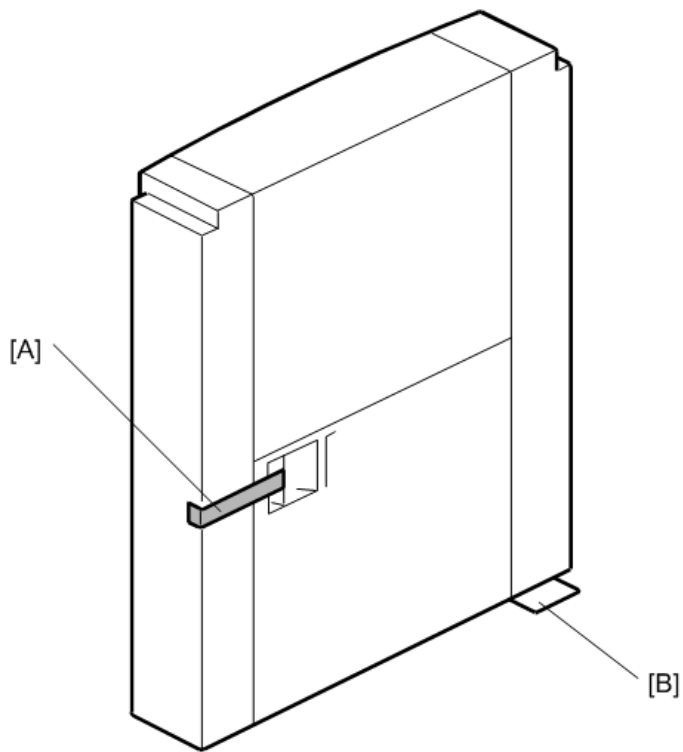
- Turn the machine off and disconnect the machine power cord before you start this procedure.

1. Remove the filament tape [A].

★ Important

- Move the mail box carefully. It is easy to cause damage to the corner leaf plate [B].

2.Installation



d1351381

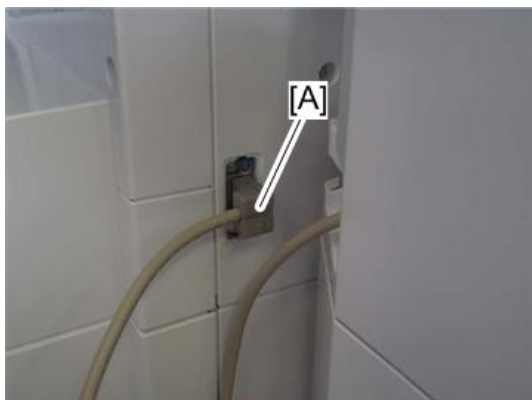
2. If the Cover Interposer Tray CI4040 is installed on the Finisher SR4120 or Booklet Finisher SR4130, remove it.

Note

- The Cover Interposer Tray CI4040 and mail box cannot be installed on the finisher at the same time.

3. Remove the finisher from the main machine.

- Disconnect the finisher connector [A] from the machine.



d1351196

- Open the front door [A] of the finisher, and pull the lock lever [B].



- Remove the finisher from the main machine.

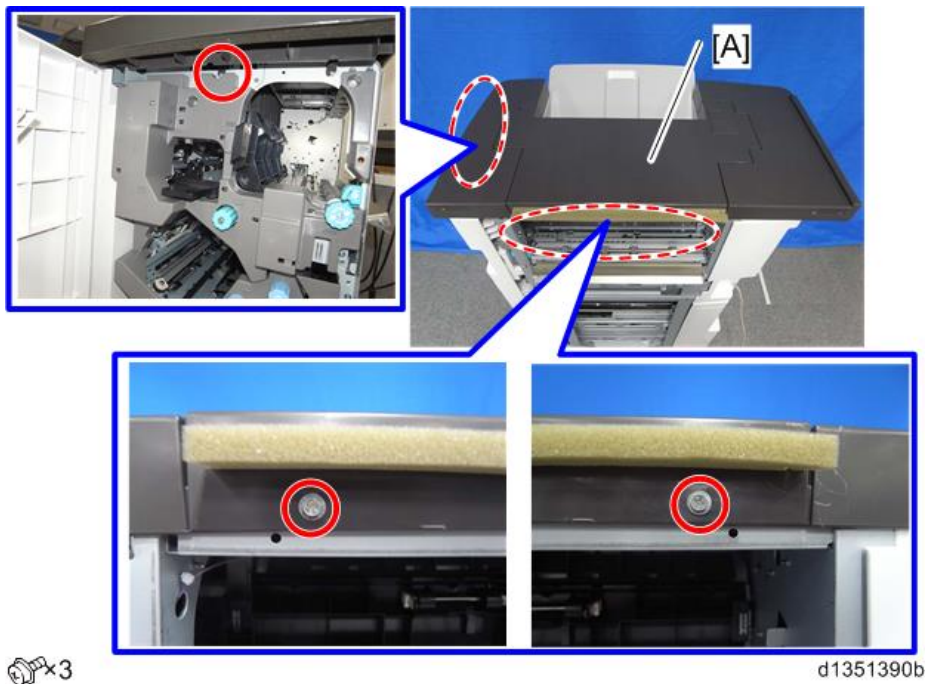


- 4.** Remove the top cover [A] from the finisher.

★ Important

Be careful that the guide plates and other parts inside the finisher do not become deformed.

2. Installation



5. Install the finisher on the main machine.

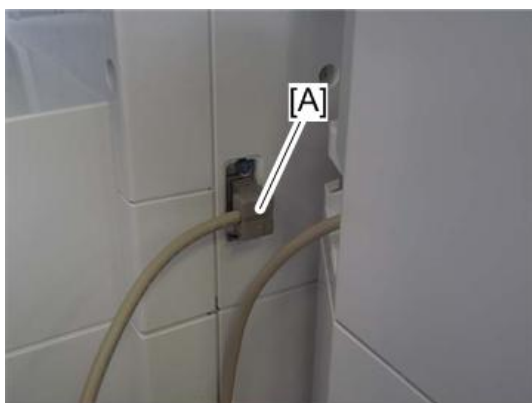
- Slowly push the finisher against the left side of the machine, keeping its front door open until the brackets go into their slots.



- Push the lock lever [A], and then secure it.

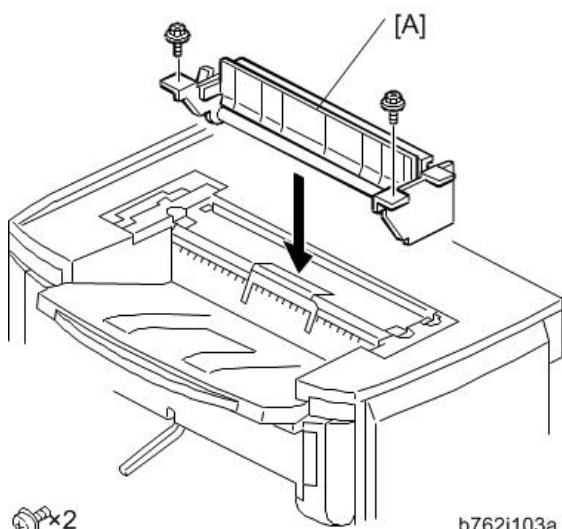


- Connect the finisher connector [A] to the machine.



d1351196

6. Attach the guide plate [A] to the top of the finisher.



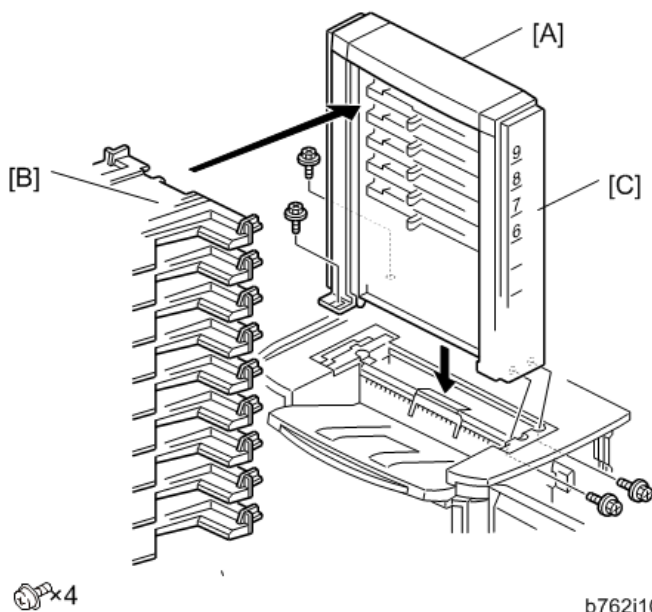
⚙️ x2

b762i103a

7. Attach the mail box [A] to the top of the finisher (M3 x 8).

8. Attach the 9 trays [B] to the mail box.

9. Give the decals [C] to the customer. The customer will write on these and attach them at the correct location.



⚙️ x4

b762i104a

2.Installation

10. Turn ON the main power switch of the machine.

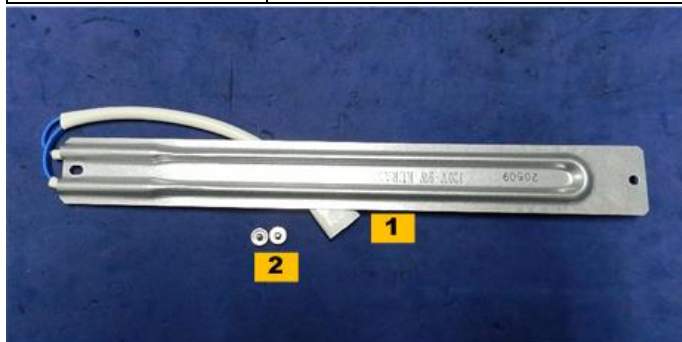
11. Check the operation.

Scanner Heater

Accessories (Scanner Heater)

The scanner heater is an option for the main machine. Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	Scanner Heater	1
2	Screws M3x6	2



d223c1120

Installation (Scanner Heater)

- 1.** Raise the ADF.
- 2.** Disconnect the rear end of the right edge cover [1].
- 3.** Slide the cover to the rear [2].
- 4.** Remove the cover [3].



x1

d223c1121

- 5.** Remove the rear scale [A].



x3

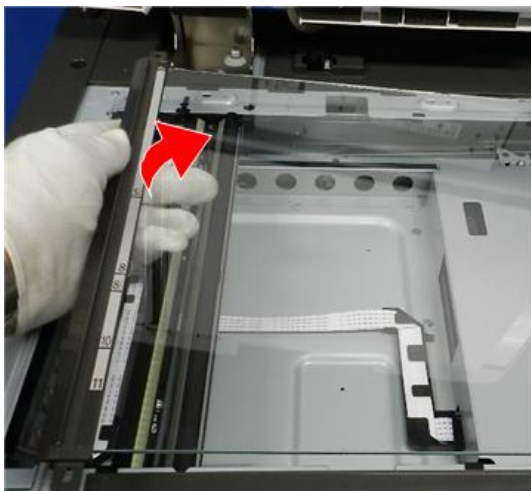
d223c0005

2.Installation

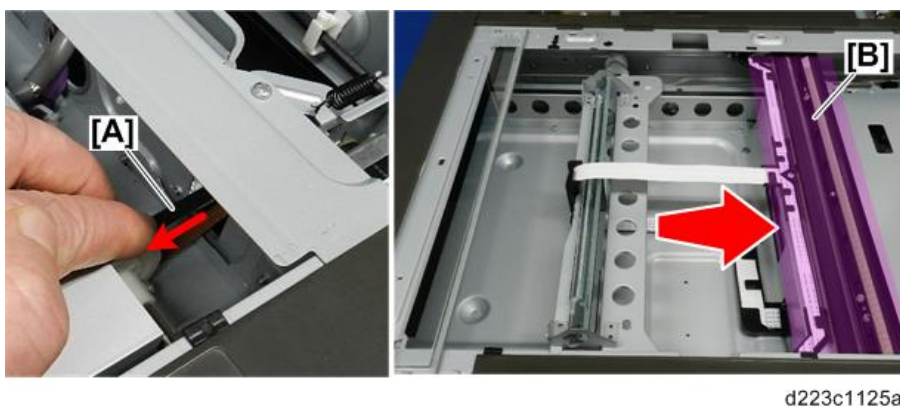
- 6.** Remove the left exposure glass edge cover.



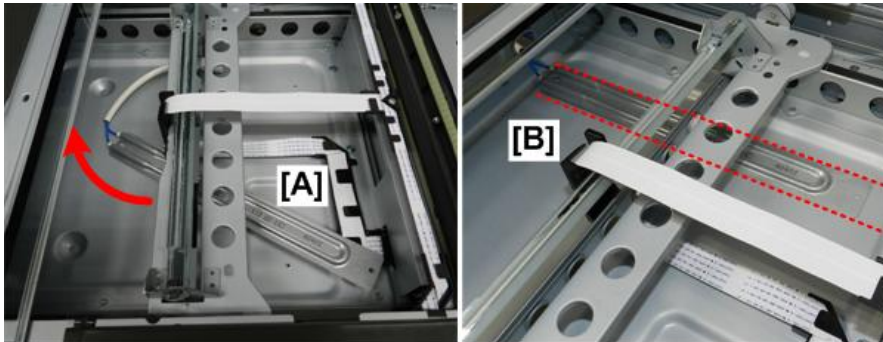
- 7.** Remove the exposure glass.



- 8.** At the right front corner of the machine [A], turn the scanner motor belt and move the 1st scanner unit to the left edge of the lens cover [B].



- 9.** With the harness on the left, slide the scanner heater [A] under the 2nd carriage, and then arrange it parallel to the back of the scanner unit [B].



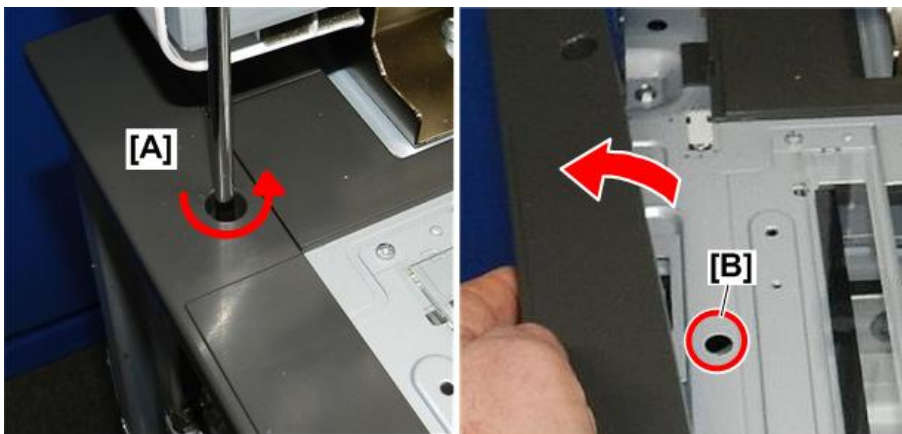
d223c1126

- 10.** Pull the heater harness through the left side of the scanner unit.



d223c1127

- 11.** Disconnect the left edge cover [A], and then remove it, so you can see cut-out [B].

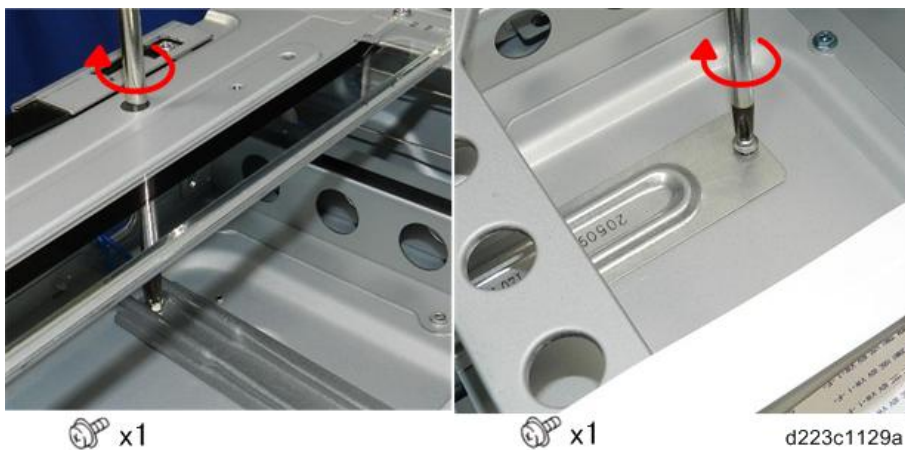


d223c1128a

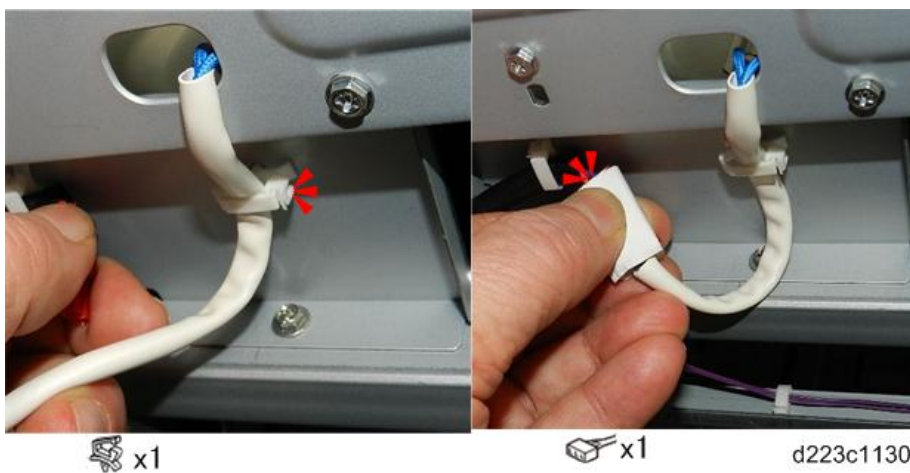
- 12.** Insert a screwdriver into the cut-out [A], and then loosely fasten the left end of the heater.
13. Attach the right end of the heater [B].

2.Installation

14. Tighten both screws.



15. On the left side of the scanner unit, clamp the heater harness, and then connect it to the harness pre-installed on the side of the machine.

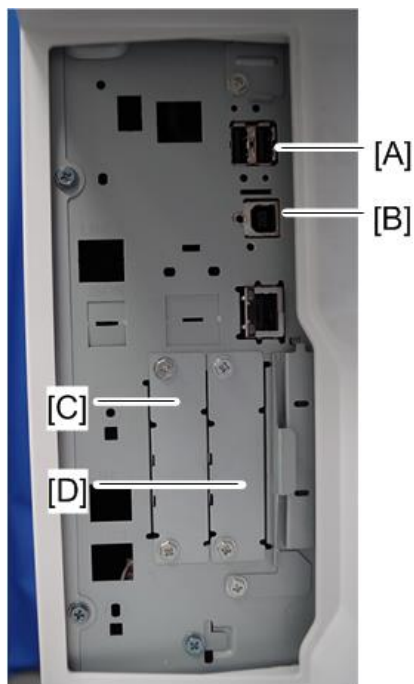


16. Turn ON the scanner heater switch.



Internal Options

List of Slots



d257a8047

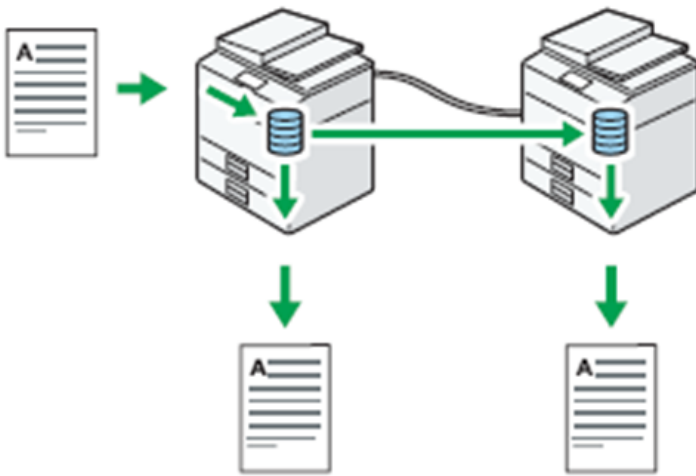
Slot		Option
[A]	USB port	-
[B]	USB mini	-
[C]	I/F slot A	<ul style="list-style-type: none"> • USB Device Server Option Type M19*¹ • Extended USB Board Type M19 • IEEE 1284 Interface Board Type M19 • IEEE 802.11a/g/n Interface Unit Type M19 • File Format Converter Type M19 Only one option can be connected at one time.
[D]	I/F slot B	<ul style="list-style-type: none"> • Copy Connector Type M25 • USB Device Server Option Type M19*¹ Only one option can be connected at one time.

*1: USB Device Server Option Type M19 can be connected to either of I/F slot A and B.

2.Installation

Copy Connector Type M25 (D3D3)

With this option you can connect two machines to perform simultaneous copying for the same job.

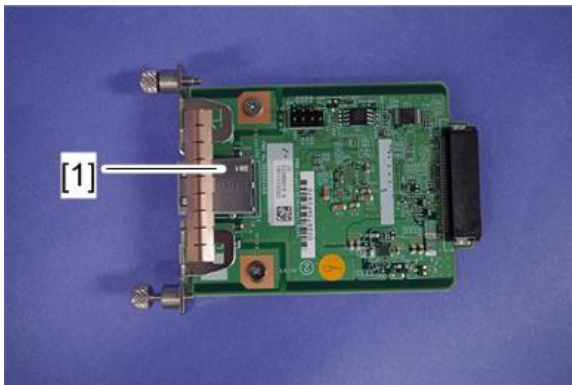


d223d8708

Accessories

Check the accessories and their quantities against this list:

No.	Description	Q'ty
1	PCB D3D3	2
-	LAN Cable	1



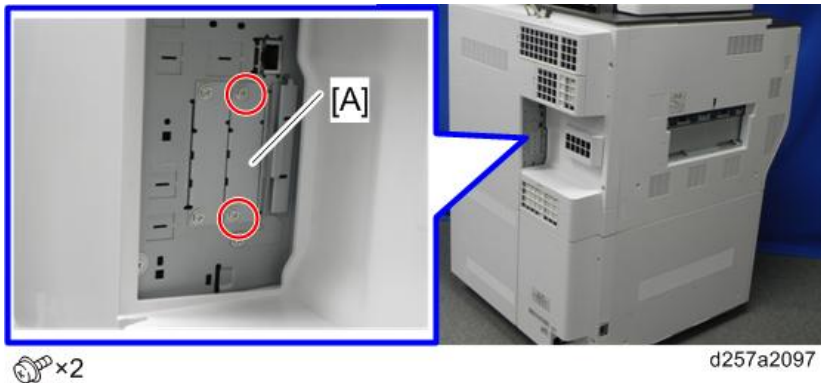
d257a8046

Installation

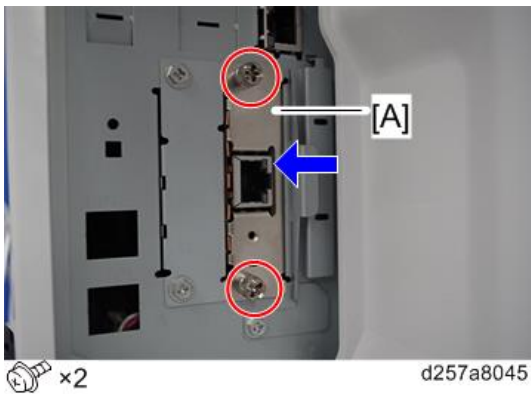
⚠ CAUTION

- Before doing this procedure, turn the machine off and disconnect its power cord from the power source.
- Before you handle the boards, touch a metal surface to discharge accumulated static charge from your hands. A static discharge could damage the boards.
- Handle the boards carefully to avoid damaging them.

1. Remove the slot cover [A] from the I/F slot B.



2. Insert one of the boards in the slot.



3. Tighten the knob screws with your fingers.

★ Important

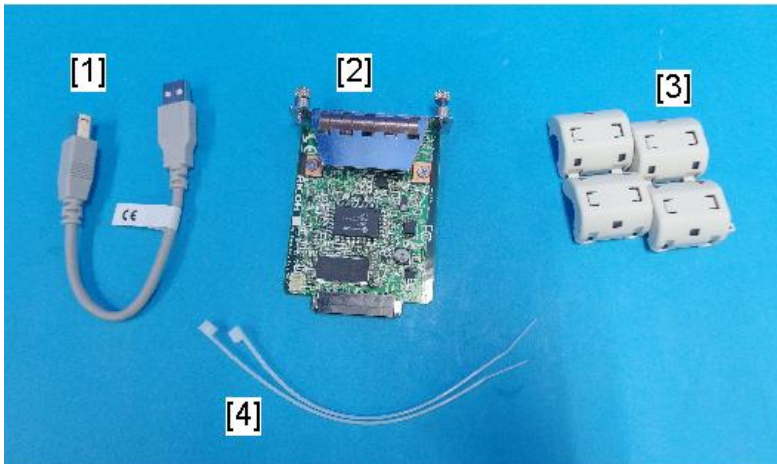
- To avoid damage to the board, never tighten these knob screws with a screwdriver.

4. In the same way, install the other board in the right slot of the other machine.
5. Connect the provided LAN cable to both boards.

USB Device Server Option Type M19 (D3BC-28,-29) (MP C6503/C8003 Only)

Component Check

No	Description	Q'ty
1	USB Cable	1
2	Interface Board	1
3	Ferrite Core	2
4	Cable Ties	2

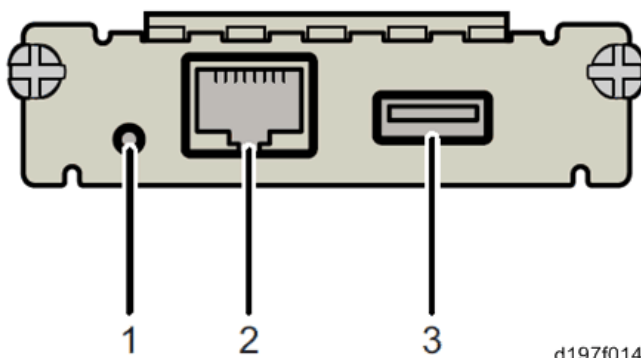


d238m0666

Note

An Ethernet cable is not packed with this option.

Interface Board Surface

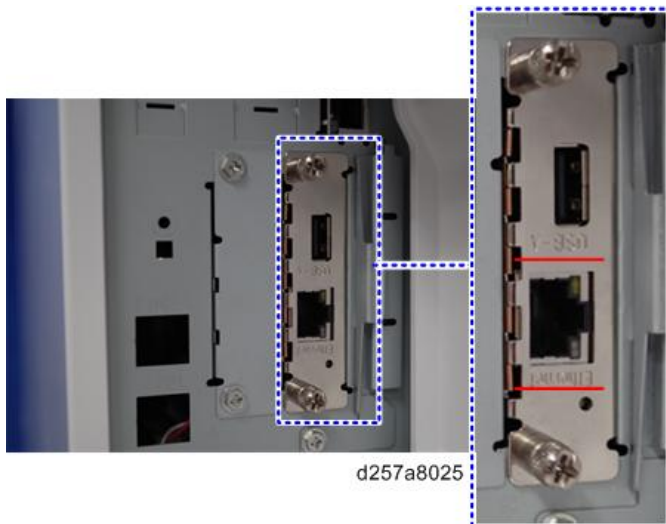


d197f0142

No.	Item	Description
1	Switch	Used to reset to the factory settings.
2	Ethernet port	Used to connect the Ethernet cable.
3	USB port	Used to connect this option to the main machine. Do not use this port with other options.

Note

When installing the USB device server option, make sure that the labels 'USB-A' and 'Ethernet' are upside down.



Installation Procedure

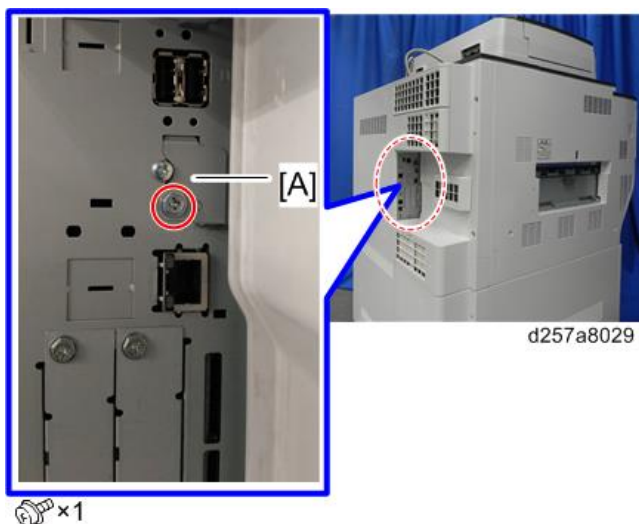
⚠ CAUTION

When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.

★ Important

The USB device server option has an IP address stored on the PCB. This is different from the machine's IP address. The IP address and other network settings of the USB device server option must be configured after installing this option.

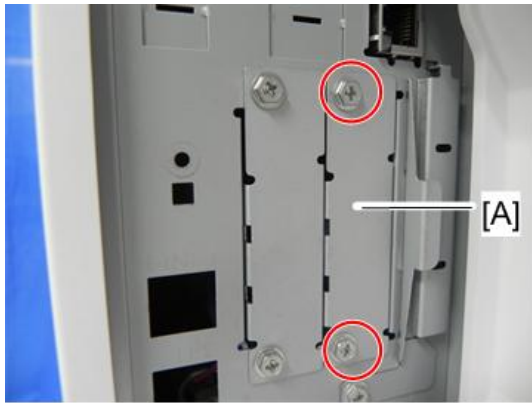
1. Turn OFF the main power of the machine, and unplug the power cord from the wall socket.
2. Remove the cover [A].



🔑 ×1

2.Installation

3. Remove the slot cover [A] from the I/F slot B.



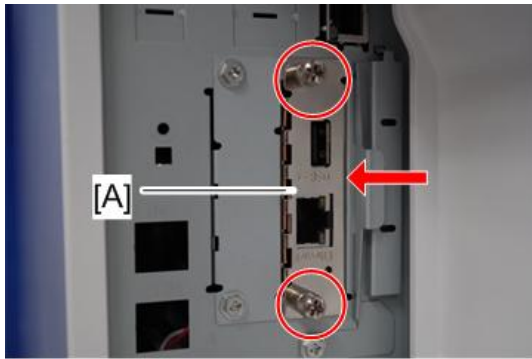
🔧 ×2

d257a8024

Note

- The USB Device Server Option Type M19 can be connected to either of I/F slot A and B.

4. Insert the interface board [A] into the slot.



🔧 ×2

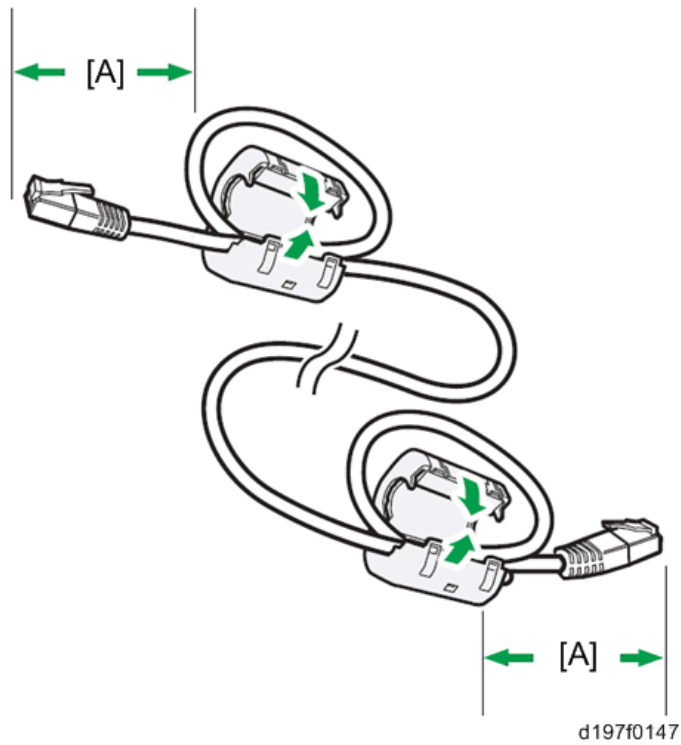
d257a8026

5. Insert the USB cable [A] into the USB port (Type A) on the machine I/F.
6. Insert the other side of the USB cable [B] into the USB port (Type B) on this option board.

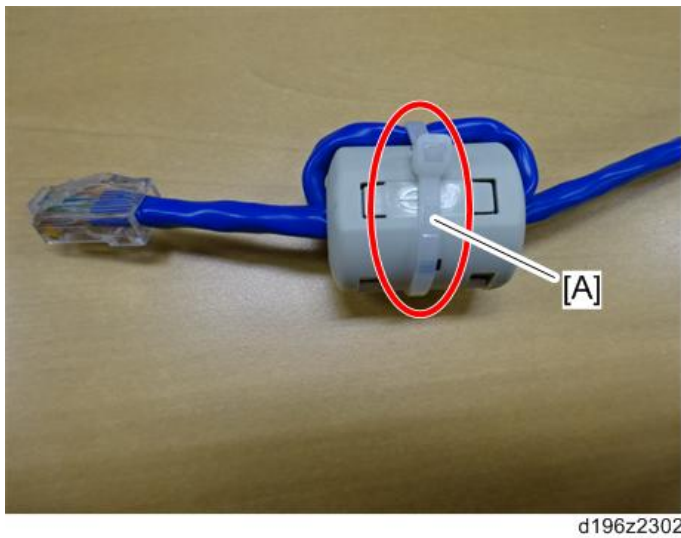


d257a8027

- 7.** Attach the ferrite cores to the Ethernet cable, while looping the cable at 3 cm (approx. 1.2 inch) [A] from each end of the cable.

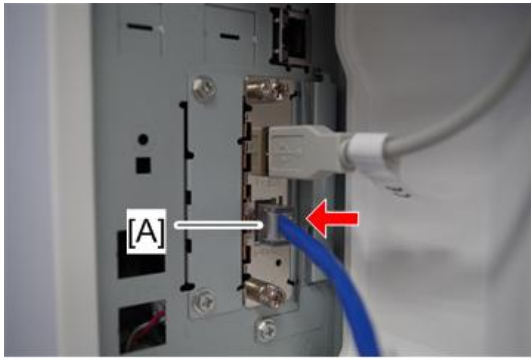


- 8.** Only for installing this option in North America, bind both cores with cable ties [A] as shown below.



2.Installation

9. Insert the Ethernet cable [A] into the Ethernet port on this option.



d257a8028

10. Insert the other end of the Ethernet cable to a PC for network setting.
11. Plug the power cord into the wall socket and turn on the main power of the machine.

Note

Do not unplug the USB cable while the machine is recognizing this option. It may take between 30 seconds to 1 minute to finish recognizing it (the LEDs on the Ethernet port of this option light up after recognizing this option; see below). If unplugged, connect the cable again.

12. Make sure that the machine recognizes this option correctly by doing one of the following:
1. Access the option's IP address from a web browser.
 2. Ping the option's IP address from a command prompt on a Windows PC in the same network as the mainframe. If the IP address cannot be found (DHCP server), use the MAC address. This is the number printed on the seal attached to the printed circuit board for the USB server.



d196z2350

3. Use "RX" + the option's MAC address and access a web browser. Example: <http://RX0080926A3264>



d196z2351

- Ping "RX" + "MAC address" from the command prompt on a windows PC which is on the same network as the mainframe.

```
C:\Users\ >Ping RK0080926A3264
Pinging RK0080926A3264 [192.168.100.100] with 32 bytes of data:
Reply from 192.168.100.100: bytes=32 time<1ms TTL=255
Reply from 192.168.100.100: bytes=32 time<1ms TTL=255
Reply from 192.168.100.100: bytes=32 time<1ms TTL=255
Reply from 192.168.100.100: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.100.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

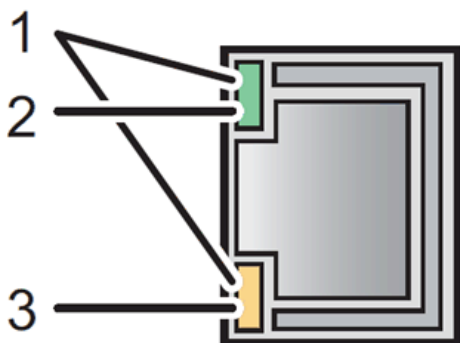
d196z2352

Note

- When installing the USB Device Server Option Type M19, the installation status is not shown on the Configuration Page.
- The customer should keep the slot covers which were removed.

What Do the LED Indications Mean?

When this option is properly installed and recognized by the main machine, the LED indicators light up under the following conditions.



d197f0149

No.	Light Color	Lights Up When
1	Green and Yellow	1000BASE-T operates
2	Green	10BASE-T operates
3	Yellow	100BASE-TX operates

Notes for Energy Save Mode Setting

If the machine which has this option enters into the energy save mode, you cannot print because there will be a communication error. Follow the instructions below to disable the machine's entering into the energy save mode.

- Enter SP mode, and then set SP5-191-001 (Power Setting: Power Str) to "0 (Off)".

IP Address Setting

This section describes how to set an IP address on this option manually. Note that you can set an IP address which is not only on the same network segment but also on a different network segment to share a single printer with devices in multiple networks.

2.Installation

★ Important

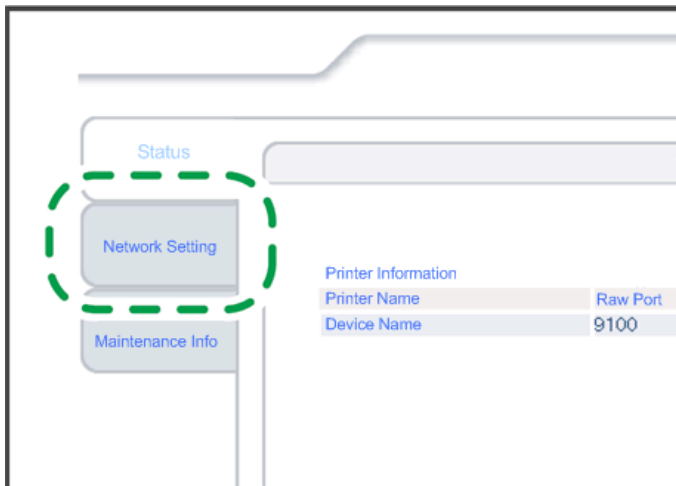
You cannot change the IP address for this option from the operation panel of the main machine. The setting must be done from a web browser on your PC.

The network setting of this option is initially assigned as follows:

IP address: 192.168.100.100 / Subnet mask: 255.255.255.0

The network setting of your PC must be in the same network segment to change the network setting of this option.

1. Make a note of the current network settings of your PC.
2. Change the IP address on your PC to [192.168.100.xxx (*0 - 255)].
3. Change the subnet mask on your PC to [255.255.255.0].
4. Open a web browser.
5. Type [<http://192.168.100.100/>] in the address bar.
6. Press the "Enter" key.
The setting screen for this option appears.
7. Click [Network Setting].



d197f0134

8. Type [root] in the user name textbox and click [OK].
9. Input [IP Address], [Subnet Mask] and [Default Gateway].

IPv4	
Item	Value
IPv4	ENABLE ▾
DHCPv4	DISABLE ▾
IPv4 address	192.168.100.100
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0

d197f0135a

10. Set other items if needed.
11. Press [Set].
12. Close the web browser.

- 13.** Disconnect the Ethernet cable from the PC.
- 14.** Connect the Ethernet cable to a network device (e.g. switching hub).
- 15.** Set the IP address of this option in the printer driver which you use.

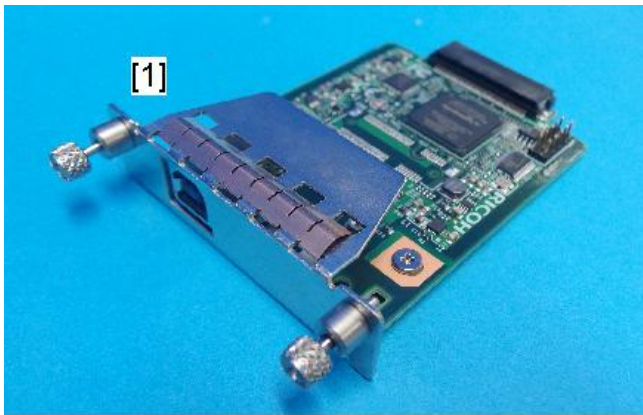
Extended USB Board Type M19 (D3BS-01)

Note

You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.

Component Check

No.	Description	Q'ty
1	Extended USB Board	1



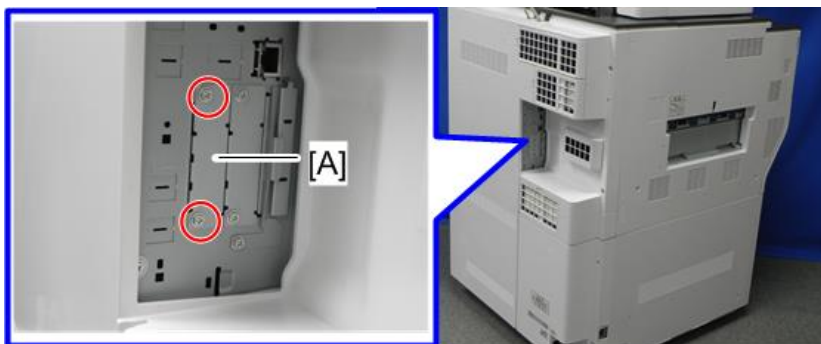
d238m0668

Installation Procedure

CAUTION

When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur. Do not put your hand into the controller box. It will result in a malfunction or injury. Before doing any work, touch a metal object to discharge static electricity from the body.

1. Remove the slot cover [A] from the I/F slot A.



🔧 × 2

d257a8043

2. Insert the Extended USB Board into the slot A.
3. Turn ON the main power.
4. Print out the "Configuration Page", and then check if this option is correctly recognized.
User Tools > Machine Features > Printer Features > List/Test Page > Configuration Page

 **Note**

The customer should keep the slot covers which were removed.

IEEE 1284 Interface Board Type M19 (D3C0)

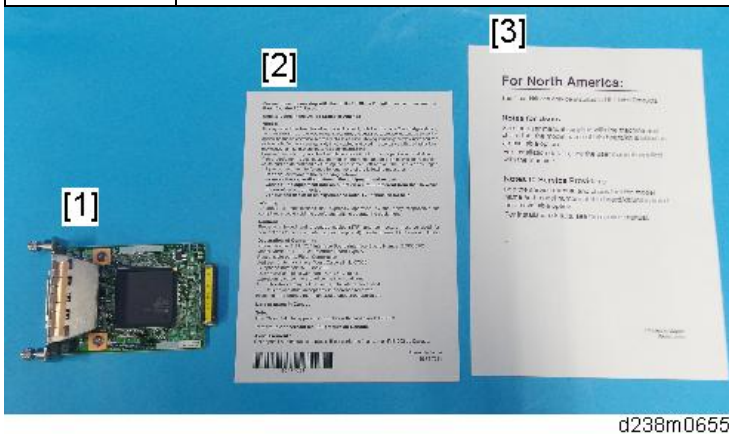
Note

- You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.

Component List

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	IEEE 1284 Interface Board	1
2	FCC document	1
3	Notes for users	1



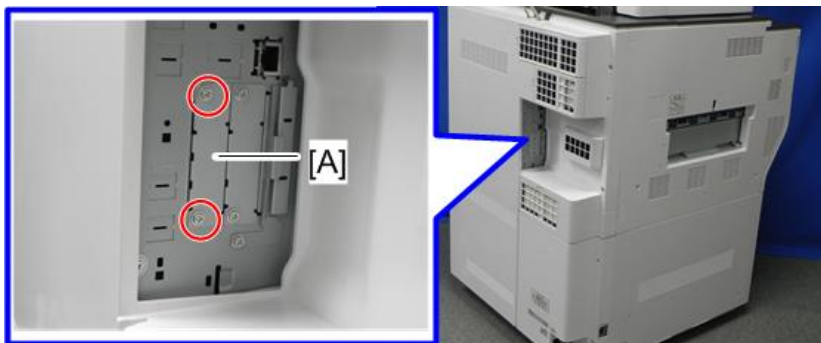
d238m0655

Installation Procedure

CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.
- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the IEEE 1284 Interface Board may malfunction due to static electricity.

1. Remove the slot cover [A] from the I/F slot A.



✖2

d257a8043

2. Insert the IEEE1284 interface board into the slot A and fasten it with the screws.

- 3.** Turn ON the main power.
- 4.** Check that the system settings list is output, and that the board is recognized correctly.

 **Note**

The customer should keep the slot covers which were removed.

2.Installation

IEEE802.11a/g/n Interface Unit Type M19 (D3BR-01)

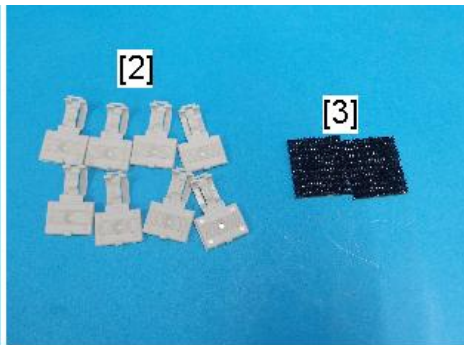
Note

- This option is not available in China, Taiwan, and Korea.
- You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.

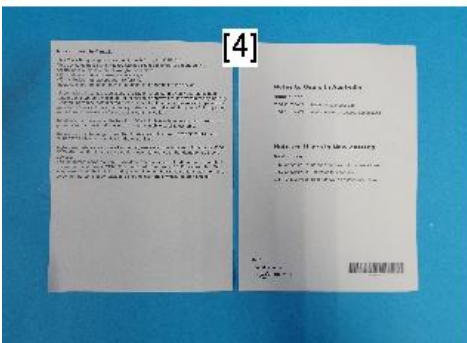
Component List

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	IEEE802.11a/g/n Unit	1
2	Clamps	8
3	Velcro Fasteners	2
4	Notes for Users	2



d238m0663



Important

- Since disassembly/alteration of a wireless LAN board is illegal, during service replacements, replace the whole PCB assembly.
- Be sure to give the provided leaflet to the customer.

Installation Procedure

CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.
- Do not put your hand into the controller box. It will result in a malfunction or injury.

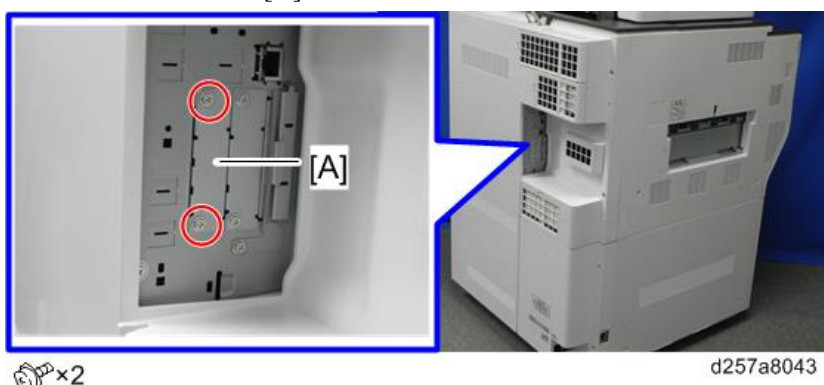
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the wireless LAN board may malfunction due to static electricity.

★ Important

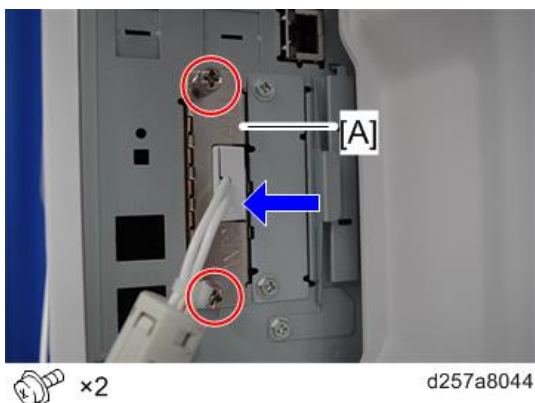
- When using wireless LAN (IEEE802.11 b/g/n:2.4-GHz band), this radio product uses the 2.4-GHz band. Check that industrial, scientific and medical devices using the same frequency bands, such as a microwave oven or a cordless telephone, are not used nearby.
- If there is interference, communication may become unstable. Check that there are no devices likely to cause interference in the surrounding area.

Installing the Wireless LAN Board

1. Remove the slot cover [A] from the I/F slot A.



2. Insert the wireless LAN board [A] into the slot A and fasten it with the screws.



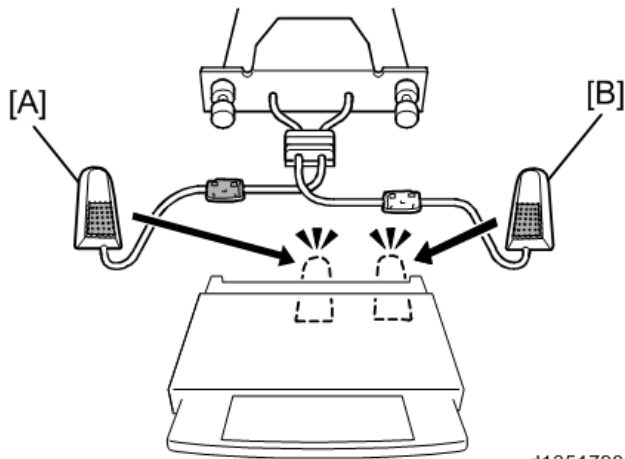
↓ Note

- Press the wireless LAN board firmly in, and check it is firmly connected.
- The customer should keep the slot covers which were removed.

Installing the Antenna

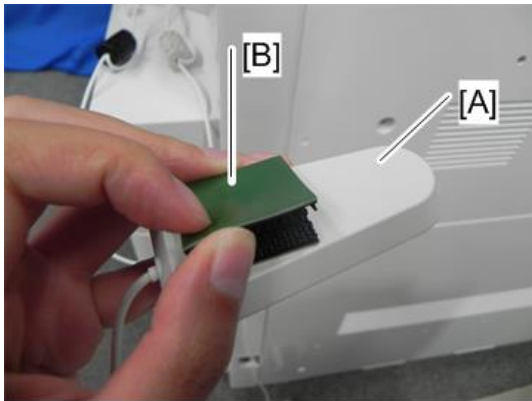
1. Look at the ferrite cores on the antenna cables.
 - Antenna 1 [A]: The core on the Antenna 1 cable is black.
 - Antenna 2 [B]: The core on the Antenna 2 cable is white.

2. Installation



d1351790

2. Attach the Velcro fastener [B] to the antenna [A].

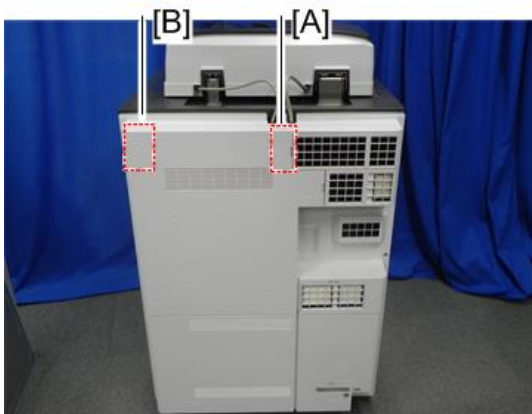


d257a8021

Note

- The fastener should be attached to the cable side.

3. Peel off the double-sided tapes on the Velcro fastener, and attach Antenna 1 [A] (having a black ferrite core) to the rear middle of the machine.
4. Peel off the double-sided tapes on the Velcro fastener, and attach Antenna 2 [B] (having a white ferrite core) to the rear right of the machine.



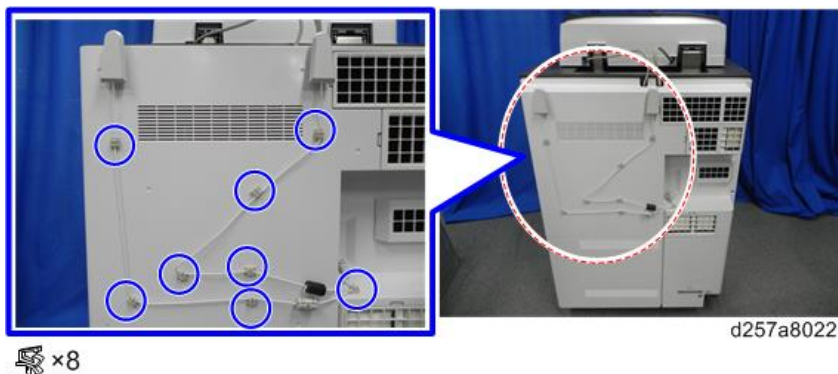
d257a8019

Note

- [A] has to be kept 12 cm away from [B].

5. Attach the eight clamps as shown below.

6. Set the cables of Antenna 1 and Antenna 2 in the 8 clamps and close them.



⏏ x8

⏏ Note

- Make sure that the cables are not slack. Keep them wired tightly along the covers.

7. Turn ON the main machine.
8. Make sure that the machine can recognize the option: User Tools > Machine Features > Printer Features > List/Test Print > Configuration Page.

You may have to move the machine if the reception is not clear.

- Make sure that the machine is not located near an appliance or any type of equipment that generates strong magnetic fields.
- Put the machine as close as possible to the access point.

User Tool Settings for IEEE 802.11a/g/n

Go into the User Tools mode and do the procedure below. These settings take effect every time the machine is powered on.

⏏ Note

- IEEE 802.11a/g/n function is disabled while using Ethernet.

1. Press the “User Tools” key.
2. Press "Machine Features" > "System Settings".

⏏ Note

- Select “Interface Settings” > “Network” > “LAN Type”. The “LAN Type” (default: Ethernet) must be set for either Ethernet or wireless LAN.
3. Select “Interface Settings” > “Wireless LAN”. Only the wireless LAN options show.
 4. Set the “Communication Mode”.
 5. Enter the “SSID setting”. (The setting is case sensitive.)
 6. Set the “Ad-hoc Channel”. You need this setting when Ad Hoc Mode is selected. The allowed range for the channel settings may vary for different countries.
 - For mainly Europe and Asia
2412 - 2462 MHz (1 - 11 channels)
5180 - 5240 MHz (36, 40, 44 and 48 channels)
(default: 11)

2. Installation

Note

- In some countries, only the following channels are available: 2412 - 2462 MHz (1 - 11 channels)
- For mainly North America
2412 - 2462 MHz (1 - 11 channels)
5180 - 5240 MHz (36, 40, 44 and 48 channels)
(default: 11)

7. Set the “Security Method” to specify the encryption of the Wireless LAN.

- The “WEP” (Wired Equivalent Privacy) setting is designed to protect wireless data transmission. The same WEP key is required on the receiving side in order to unlock encoded data. There are 64 bit and 128 bit WEP keys.
 - Range of Allowed Settings:
64 bit: 10 characters
128 bit: 26 characters
- Specify “WPA2” when “Communication Mode” is set to “Infrastructure Mode”. Set the “WPA2 Authent. Method”.
 - WPA2 Authent. Method:
Select either “WPA2-PSK” or “WPA2”.
If you select “WPA2-PSK”, enter the pre-shared key (PSK) of 8-63 characters in ASCII code.
When “WPA2” is selected, authentication settings and certificate installation settings are required.

8. Press “Wireless LAN Signal” to check the machine's radio wave status using the operation panel.

- Press “Restore Factory Defaults” to initialize the wireless LAN settings.

SP Mode Settings for IEEE 802.11 Wireless LAN

The following SP commands and UP modes can be set for IEEE 802.11

SP No.	Name	Function
5840 006	Channel MAX	Sets the maximum range of the channel settings for the country.
5840 007	Channel MIN	Sets the minimum range of the channels settings allowed for your country.
5840 008	Transmission Speed	Sets the transmission speed. Auto, 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps, 11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps (default: Auto).
5840 011	WEP Key Select	Used to select the WEP key (Default: 00).
UP mode	SSID	Used to confirm the current SSID setting.
	WEP Key	Used to confirm the current WEP key setting.
	WEP Mode	Used to show the maximum length of the string that can be used for the WEP

SP No.	Name	Function
		Key entry.
	WPA2 Authent. Method	Used to confirm the current WPA authentication setting and pre-shared key.

File Format Converter Type M19 (D3BR-04)

Note

- You can only install one of the following units at the same time: IEEE 802.11a/g/n Interface Unit Type M19, IEEE 1284 Interface Board Type M19, File Format Converter Type M19.

Component List

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	File Format Converter	1
2	Notes for Users	1



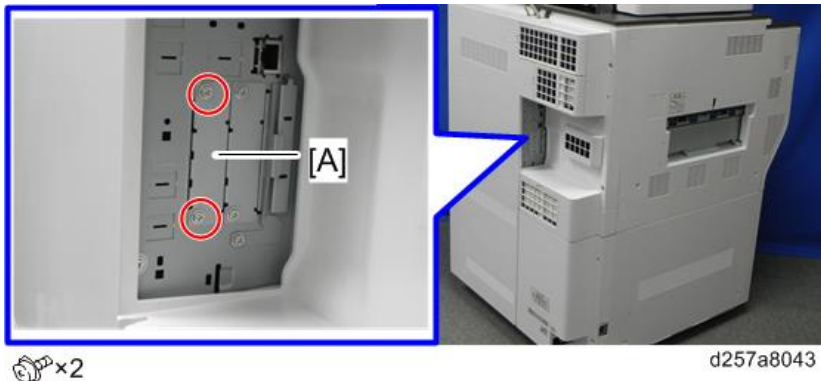
d238m0658

Installation Procedure

CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.
- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the board may malfunction due to static electricity.

1. Remove the slot cover [A] from the I/F slot A.



d257a8043

- Insert the file format converter into the slot A and fasten it with the screws.
- Check the system settings list is output, and that the option is recognized correctly.
User Tools > Machine Features > Printer Features > List/Test Print > Configuration Page

 **Note**

The customer should keep the slot covers which were removed.

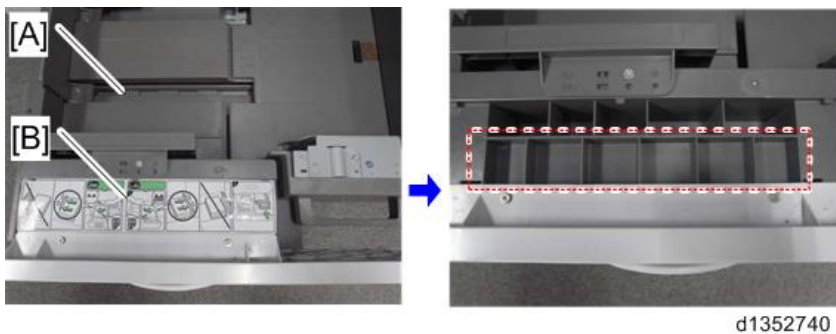
SD Card Appli Move

Overview

The service program "SD Card Appli Move" (SP5-873) lets you move application programs from one SD card to another SD card.

Be very careful when you do the SD Card Appli Move procedure:

- The data necessary for authentication is transferred with the application program from an SD card to another SD card. Authentication fails if you try to use the SD card after you move the application program from one card to another card.
- Do not use the SD card if it has been used before for other purposes. Normal operation is not guaranteed when such an SD card is used.
- Open the tandem tray [A] and remove the paper cassette decal [B]. Keep the SD card inside after you move the application program from one card to another card. This is done for the following reasons:
 - The SD card can be the only proof that the user is licensed to use the application program.
 - You may need to check the SD card and its data to solve a problem in the future.



Note

- Do not move OCR Unit Type M2 (optional) to another SD card.

Move Exec

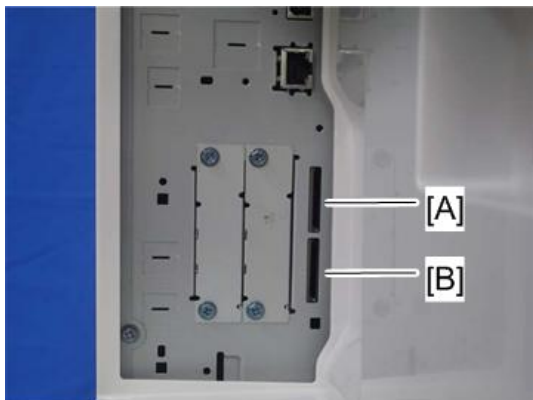
The menu "Move Exec" (SP5-873-001) lets you move application programs from the original SD card to another SD card.

Important

- Do not turn ON the write protect switch of the system SD card or application SD card on the machine. If the write protect switch is ON, a download error (e.g. Error Code 44) occurs during a firmware upgrade or application merge.

- 1.** Turn the main switch off.
- 2.** Make sure that a target SD card is in SD Card Slot 1 [A]. The application program is moved to this SD card.

3. Insert the source SD card with the application program in SD Card Slot 2 [B].The application program is copied from this source SD card.



d1352315

4. Turn the main switch on.
5. Start the SP mode.
6. Select SP5-873-001 "Move Exec".
7. Follow the messages shown on the operation panel.
8. Turn the main switch off.
9. Remove the source SD card from SD Card Slot 2 [B].
10. Turn the main switch on.
11. Check that the application programs run normally.

Undo Exec

"Undo Exec" (SP5-873-002) lets you move back application programs from an SD card in SD Card Slot 1 (upper) to the original SD card in SD Card Slot 2 (lower). You can use this program when, for example, you have mistakenly copied some programs by using Move Exec (SP5-873-001).

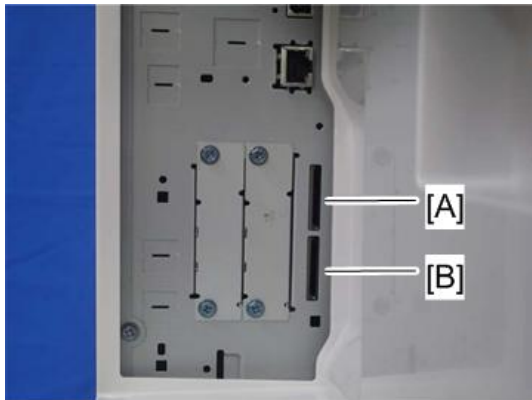
★ Important

- Do not turn ON the write protect switch of the system SD card or application SD card on the machine. If the write protect switch is ON, a download error (e.g. Error Code 44) occurs during a firmware upgrade or application merge.

1. Turn the main switch off.
2. Insert the original SD card in SD Card Slot 2 [B]. The application program is copied back into this card.

2. Installation

3. Insert the SD card with the application program in SD Card Slot 1 [A]. The application program is copied back from this SD card.



d1352315

4. Turn the main switch on.
5. Start the SP mode.
6. Select SP5-873-002 "Undo Exec."
7. Follow the messages shown on the operation panel.
8. Turn the main switch off.
9. Remove the SD card from SD Card Slot 2 [B].
10. Turn the main switch on.
11. Check that the application programs run normally.

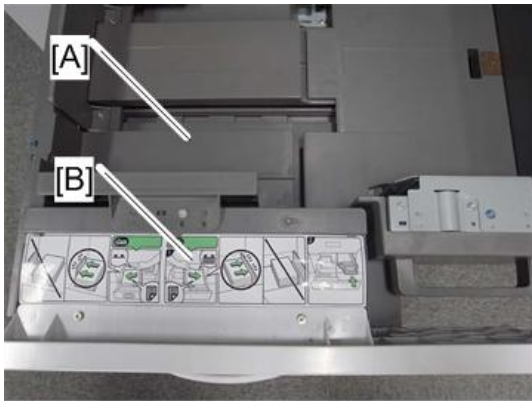
Caution

- If the customer uses the SD card on a PC, operation cannot be guaranteed.
- The SD card from which you moved an application cannot be used again.
- The SD card itself is the proof of purchase. Therefore, the application must be purchased again if the card is lost.
- Follow the procedure below to store the SD card from which you moved an application in the machine.

★ Important

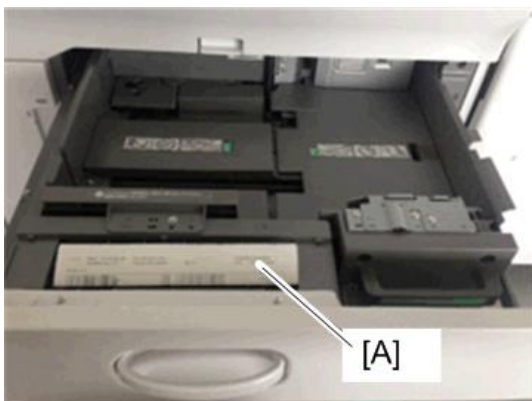
- If the SD card is lost, it will be impossible to determine which application has been installed in the case of a machine failure.
- Also, the empty SD card will required when moving back an application.

1. Pull out the tandem tray [A] and remove the paper cassette decal [B].



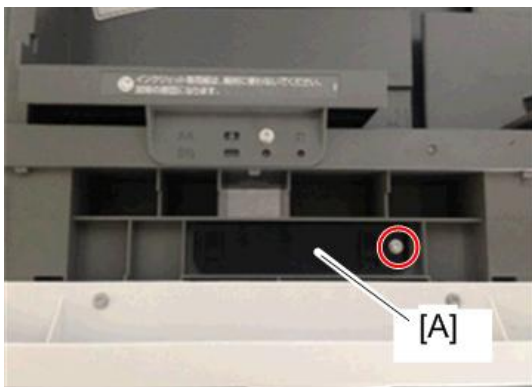
d1352740a

2. Remove the factory SP sheet [A].



d135a0010

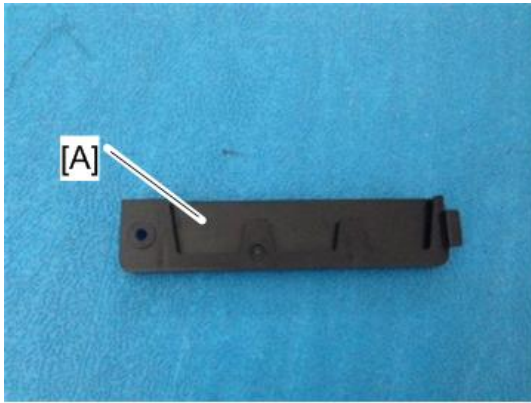
3. Remove the SD card holder [A] (🔩 x 1).



d135a0011

2.Installation

4. Set the SD card in the SD card holder.



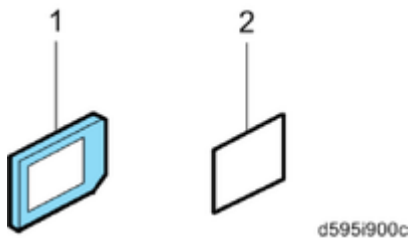
d135a0012

PostScript3 Unit Type M26 (D3D8-05, -06, -07)

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	PostScript3 Emulation SD Card	1
2	Decal	1

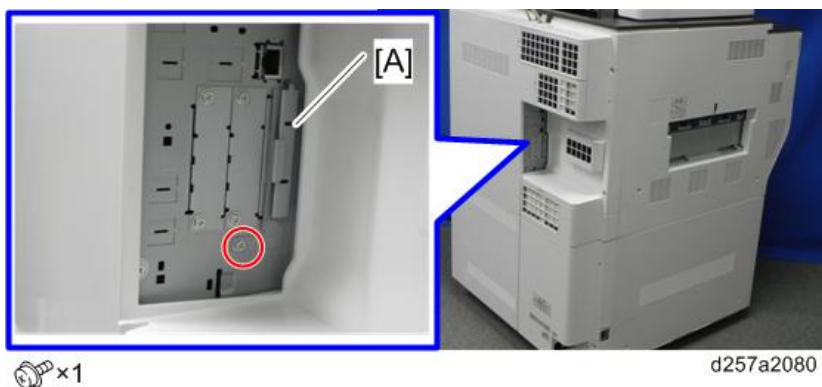


Installation Procedure

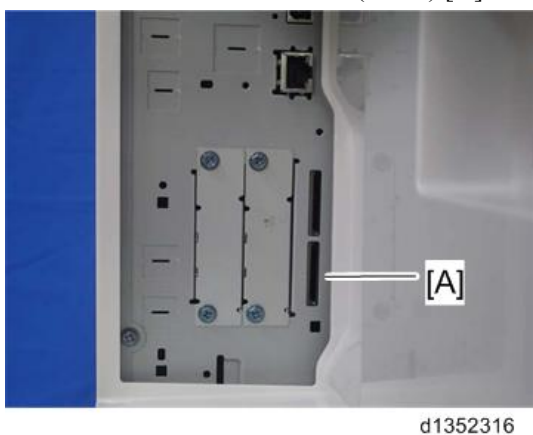
Note

When installing more than one SD card, perform the merge operation ([SD Card Appli Move](#)).

1. Remove the SD card slot cover [A].



2. Insert the SD card in SD slot 2 (lower) [A] with its label face towards the front of the machine.



3. Reattach the SD card slot cover.
4. Stick the "Adobe PostScript3" decal on the front face of the MFP.
5. Turn ON the main power.

2.Installation

6. Print out the "Configuration Page", and then check if this option is correctly recognized.

User Tools > Machine Features > Printer Features > List/Test Page > Configuration Page

Note

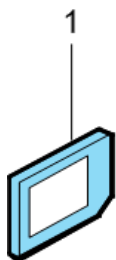
- The PDF firmware installed as standard contains a program required to print PS3 data as default. However, this PS3 program is normally disabled.
- The PS3 firmware is a dongle (key) which enables PS3 data printing functions. When the PS3 firmware is installed, the PS3 program in the PDF firmware is enabled. Due to this specification, the self-diagnosis result report shows the ROM part number/software version of the PDF firmware contained in the PS3 program.

OCR Unit Type M13 (D3AC-23, -24, -25)

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1.	SD Card	1



d595i900b

Searchable PDF Function Outline

This option adds a searchable PDF function to the scanning function.

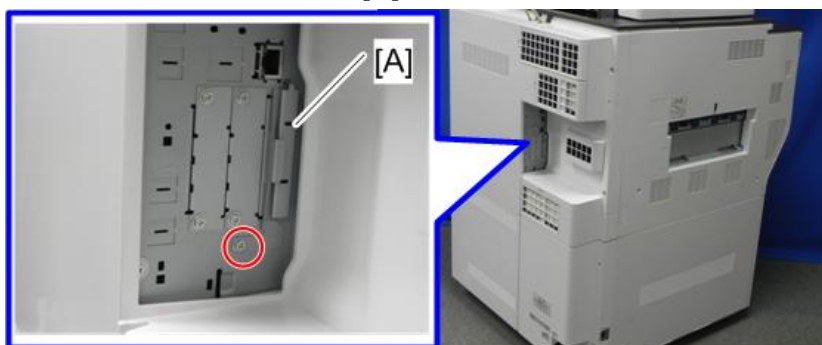
- The searchable PDF function performs OCR by the MFP on a document read with the scanner, and embeds text data in the PDF. This permits PDF text browsing, automatic assignment of filenames, and automatic alignment of document orientation.
- This option is provided with an SD card. By installing an SD card in the MFP, a functional icon is added to the control unit. It is not necessary to install software in a PC.
- If this option is installed, various settings related to the searchable PDF function are available.
- After reading of the document is completed (after it is read by the ADF and output), OCR is performed. Therefore, after reading is completed, documents can be collected from the document glass or ADF.
- Other functions, such as the copy function and printer function, can be used during OCR.

Installation Procedure

⚠ WARNING

When installing more than one SD card, perform the merge operation ([SD Card Appli Move](#)).

1. Remove the SD card slot cover [A].

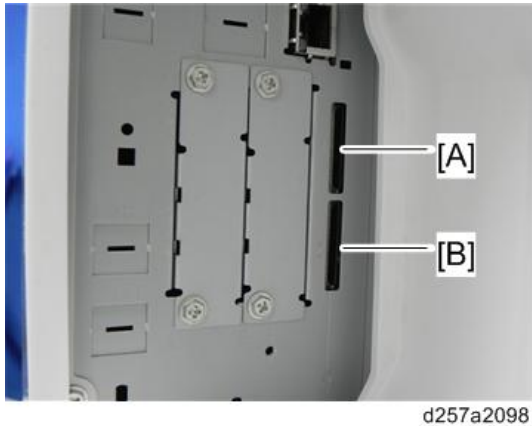


×1

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2. Installation

2. Insert the SD card (OCR Unit) in SD card slot 1 (upper) [A] or SD slot 2 (lower) [B] with its label face towards the front of the machine. Then push it slowly into the SD slot until you hear a click.



3. Turn ON the main power.
4. Enter the SP mode, and then press "Enter" in SP5-878-004 (Option Setup: OCR Dictionary).
The SD card ID is saved in the NVRAM, and the ID of the MFP is saved on the SD card. The MFP and SD card are thereby linked.
5. When "operation complete" is displayed, press "Close".

Note

- If installation fails, "Failed" is displayed.
- If installation fails, perform the following steps.
 1. Check whether it is a used SD card.
 2. Switch the power OFF, and repeat steps 1-5.

6. Turn the machine OFF and back ON again.
7. Press "Enter" in SP5-878-004 (Option Setup: OCR Dictionary).
Dictionary data is copied to the HDD.

Note

On the first run, SP5-878-004 links the SD card, and on the second run, copies dictionary data.

8. Turn OFF the main power.
9. Remove the SD card from the SD card slot.

Note

Keep the SD card in the SD card storage location of the MFP. The original SD card is needed in the event of a HDD malfunction.

10. Reattach the SD card slot cover.
11. Turn ON the main power.
12. Press [File Format / File Name] on the scanner function screen.
13. Check that [OCR setting] is displayed on the "File format / File Name" screen.

Note

- After installation, the OCR setting can be changed on the "OCR setting" screen.
- When setting up OCR, set [OCR setting] to [Yes]. (Default setting: [No])

Recovery Procedure

When this option is installed, a function is saved on the HDD, and ID information on the SD card is saved in the NVRAM. Therefore, when replacing the HDD or NVRAM, this option must be reinstalled.

When the original SD card exists

- When only the HDD is replaced
Reinstall using the original SD card.
- When only the NVRAM is replaced
When performing upload/download of NVRAM data, reinstall using the original SD card.
When not performing upload/download of NVRAM data, order and reinstall a new SD card (service part).
- When the HDD and NVRAM are replaced simultaneously
Reinstall using the original SD card.

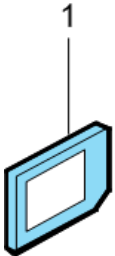
When the original SD card is lost

Order and reinstall a new SD card (service part).

XPS Direct Print Option Type M26 (D3D8-24, -25, -26)

Accessories

No.	Description	Q'ty
1	XPS Direct Print SD Card	1



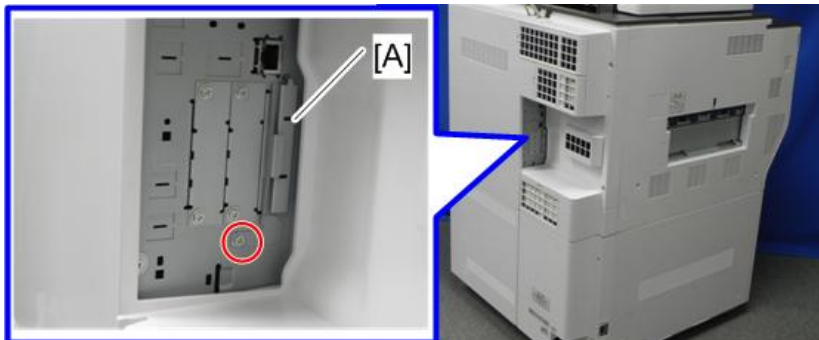
d595i900b

Installation Procedure

Note

When installing more than one SD card, perform the merge operation ([SD Card Appli Move](#)).

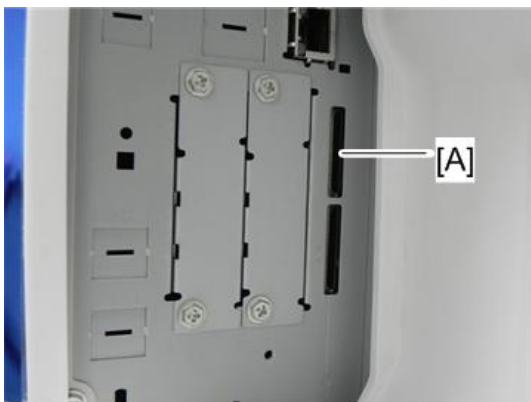
1. Remove the SD card slot cover [A].



⚙️ ×1

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2. Insert the SD card in SD slot 1 (upper) [A] with its label face towards the front of the machine.



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3. Reattach the SD card slot cover.
4. Turn ON the main power.
5. Print out the "Configuration Page", and then check if this option is correctly recognized.

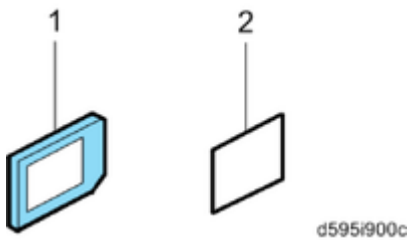
User Tools > Machine Features > Printer Features > List/Test Page > Configuration Page

IPDS Unit Type M6 (D3D8-20, -21, -22)

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	IPDS Emulation SD Card	1
2	Decal	1
-	EULA Sheet	1
-	Caution Sheet	1
-	CD-ROM	1

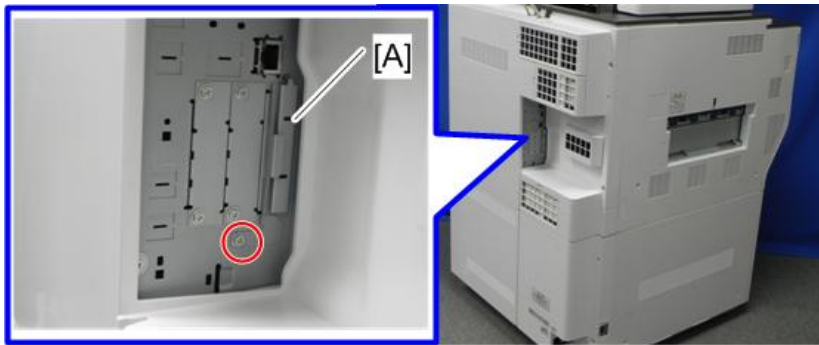


Installation Procedure

Note

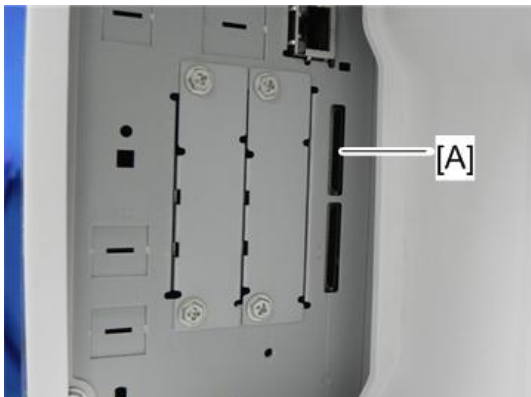
When installing more than one SD card, perform the merge operation ([SD Card Appli Move](#)).

1. Remove the SD card slot cover [A].



⚙️ ×1

2. Insert the SD card in SD slot 1 (upper) [A] with its label face towards the front of the machine.



- 3.** Reattach the SD card slot cover.
- 4.** Do one of the following ("A" or "B") to enable the IPDS function.
 - A. Enable the IPDS function via telnet
 1. Connect the machine via telnet.
 2. Execute the following commands:
msh> set ipds up
***If you want to stop the function.
msh> set ipds down
 - B. Enable the IPDS option via Web Image Monitor
 1. Log in to Web Image Monitor.
 2. Change the setting to enable IPDS.
- 5.** Attach the decal.
- 6.** Print out the "Configuration Page", and then check if this option is correctly recognized.
User Tools > Machine Features > Printer Features > List/Test Page > Configuration Page

Data Overwrite Security Unit Type M19 (D3BS03) (MP C6503/C8003 Only)

Overview

The machine's hard disk stores all document data from the Copier, Printer, and Scanner functions. It also stores the data of users' Document Server and code counters, and the Address Book. To prevent data on the hard disk being leaked before disposing of the machine, you can overwrite all data stored on the hard disk (Erase All Memory).

You can also automatically overwrite temporarily-stored data (Auto Erase Memory).

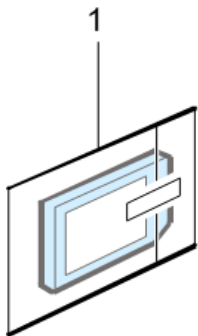
The function of this option is completely the same as the Data Overwrite Security in Security Functions, which is standard on this machine. ([Security Function Installation \(MP C6503/C8003\)](#))

This option should be installed only for the customer who requires the **CC certified Data Overwrite Security function**.

Component List

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1.	SD Card	1
-	Comments Sheet	1
-	Operating Instructions CD-ROM	1



d1351921

Before You Begin the Procedure

1. Confirm that the Data Overwrite Security unit SD card is the correct type for the machine. The correct type for this machine is "Type M19".

★ Important

- If you install any version other than "**Type M19**" for this machine, you will have to replace the NVRAM and do this installation procedure again.

2. Make sure that the following settings are not at their factory default values:

- Supervisor login password
- Administrator login name
- Administrator login password

If any of these settings is at a factory default value, tell the customer these settings must be changed before you do the installation procedure.

3. Make sure that "Admin. Authentication" is ON.

User Tools > Machine Features > System Settings > Administrator Tools > Administrator Authentication Management > Admin. Authentication

If this setting is OFF, tell the customer this setting must be ON before you do the installation procedure.

4. Make sure that "Administrator Tools" is enabled (selected).

User Tools > Machine Features > System Settings > Administrator Tools > Administrator Authentication Management > Available Settings

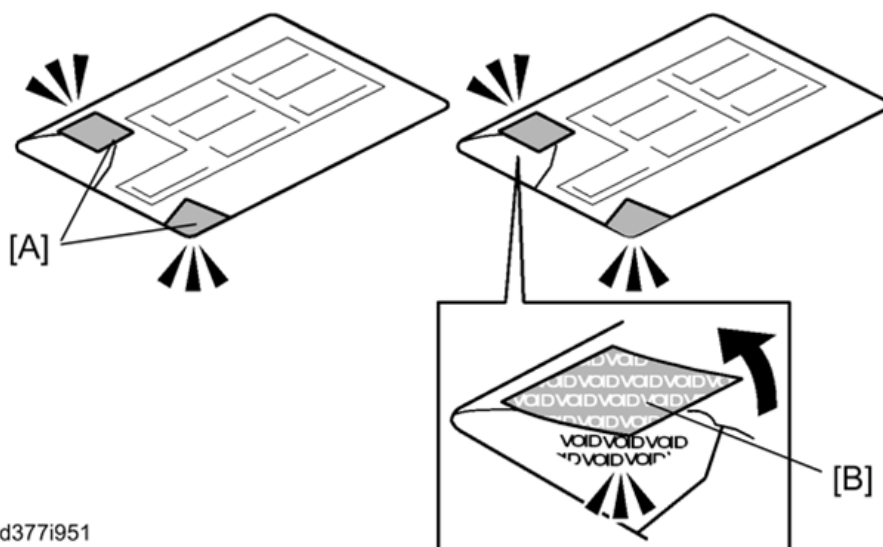
If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

Note

- See the Operating Instructions (Security Guide) for the factory default values.

Seal Check and Removal

Before opening the corrugated envelope, make sure that the seal has not been broken or peeled off. If the seal has been broken or peeled off (even partially), this is considered an arrival defect. Note that once the seal is peeled off, this will leave a mark on the bag.



d377i951

CAUTION

- You must check the box seals to make sure that they were not removed after the items were sealed in the box at the factory before you do the installation.

1. Check the box seals [A] on each corner of the box.

- Make sure that a tape is attached to each corner.
- The surfaces of the tapes must be blank. If you see "VOID" on the tapes, do not install the components in the box.

2. If the surfaces of the tapes do not show "VOID", remove them from the corners of the box.

3. You can see the "VOID" marks [B] when you remove each seal. In this condition, they cannot be attached to

2.Installation

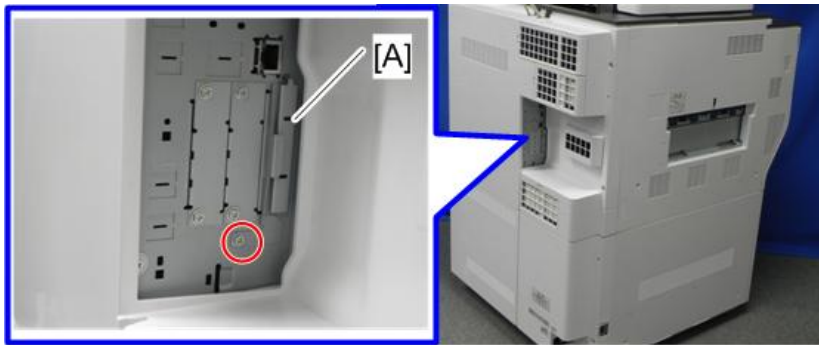
the box again.

Installation Procedure

↓ Note

When installing more than one SD card, perform the merge operation ([SD Card Appli Move](#)).

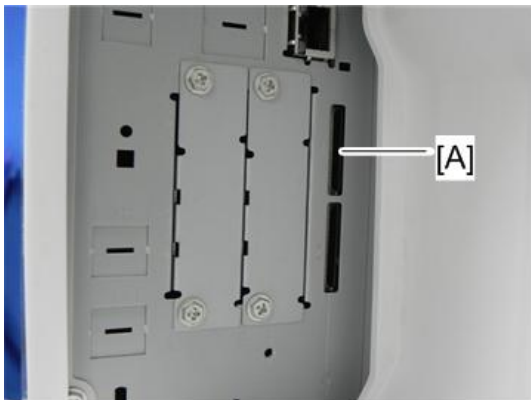
1. Turn the main power off, and then remove the power plug and cables that are connected.
2. Remove the SD card slot cover [A].



🔧 ×1

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3. Insert the DataOverwriteSecurity Unit Type M19 SD card in SD slot 1 (upper) [A] with its label face towards the front of the machine.



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4. Reattach the SD card slot cover. (🔧 ×1)
5. Insert the power cord into the outlet and turn ON the main power.
6. Enter the SP mode.
7. Do this step only if you are installing the option on a machine that is already in use (not a new machine):
 - **If the customer wishes to** continue using the same hard disk, execute all three SP modes below.
 - SP5-801-014 (Clear DCS Setting)
 - SP5-832-001 (HDD Formatting (ALL))
 - SP5-832-002 (HDD Formatting (IMH))
 - **If customer wishes to** replace the hard disk with a new one, execute SP5-801-014 only.

↓ Note

If the customer continues using the same hard disk, the overwriting of the data stored on the disk before the option is installed cannot be guaranteed. It is highly recommended to replace the hard disk with a new one.

8. Set SP5-836-001 (Capture Function (0:Off 1:On)) to a value of 0 (disable).

9. Execute SP5-878-001 ([Option Setup: Data Overwrite Security])

If the installation fails, "Installation failed" is displayed when this SP is executed.

10. Print out the System Settings List and make sure that the option was installed successfully.**11.** Reconnect the network cable.**12.** Execute SP5-990-005 (SP print mode Diagnostic Report).

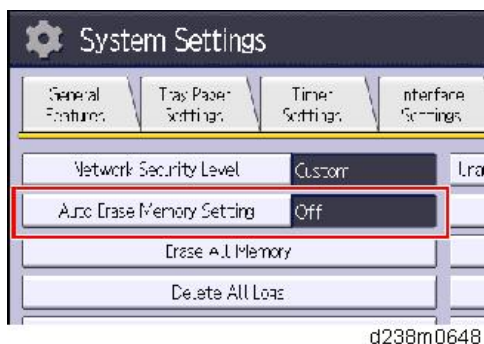
Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.

13. Make sure that ROM number "D3BC5757A" and firmware version "1.02" appear in both of the following areas on the report (they must match):

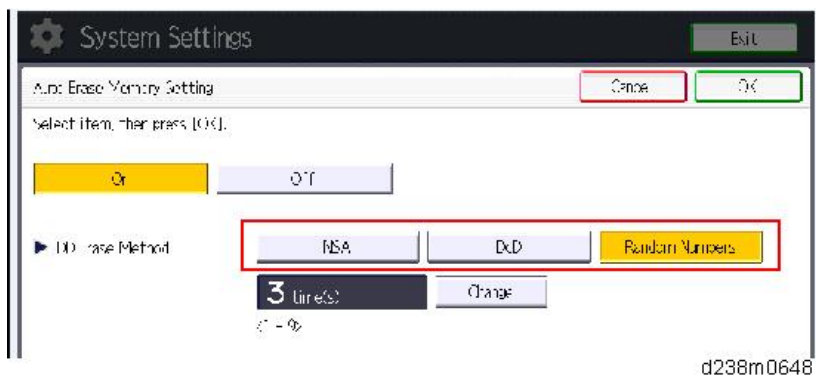
- "ROM Number / Firmware Version" - "HDD Format Option"
- "Loading Program"

Configuring "Auto Erase Memory" (Performed by the Customer)

1. Press the [User Tools] icon.
2. Press [Machine Features].
3. Press [System Settings].
4. Press [Administrator Tools].
5. Press [Next] three times.
6. Press [Auto Erase Memory Setting].



7. Press [On].
8. Select the method of overwriting.

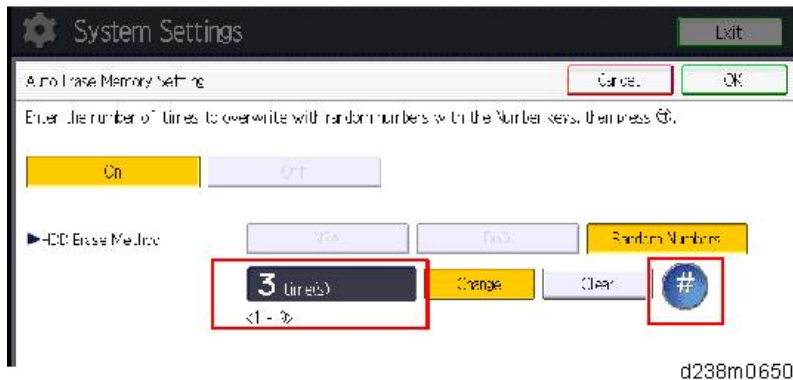


- If you select [NSA] or [DoD], proceed to Step 11.
- If you select [Random Numbers], proceed to Step 9.

2.Installation

9. Press [Change].

10. Enter the number of times that you want to overwrite using the ten keys, and then press [#].



The Random Numbers method overwrites the data using random numbers. You can set the overwrite to be performed anywhere from 1-9 times, with a default of 3 times.



11. Press [OK].

12. Make sure that the Data Overwrite icon is displayed in the bottom right hand corner of the screen.

13. Take a test copy, and then make sure that the Data Overwrite icon changes from "Dirty" (solid) to "Dirty" (blinking), and then to "Clear".

- If the Data Overwrite icon does not change to Clear, check to see if there are any active Sample Print or Locked Print jobs. A Sample Print or Locked Print job can only be overwritten after it has been executed.
- The Dirty icon blinks while an overwrite is in progress.
- If you use your machine for a while with Auto Erase Memory disabled, and then suddenly enable it, the overwrite process may take 10 or more hours depending on HDD usage.

Data Overwrite icon:

	Icon [1]	This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.
	Icon [2]	This icon is lit when there is no temporary data to be overwritten.

SP descriptions

- SP5-801-014 (Memory Clear: Clear DCS Setting)
Initializes the DCS (Delivery Control Service) settings.
- SP5-832-001 (HDD Formatting : HDD Formatting (ALL))
Initializes the hard disk.
- SP5-832-002 (HDD Formatting : HDD Formatting (IMH))
Initializes the hard disk.
- SP5-836-001 (Capture Settings: Capture Function (0:Off 1:On))
With this function disabled, the settings related to the capture feature cannot be initialized, displayed, or selected.

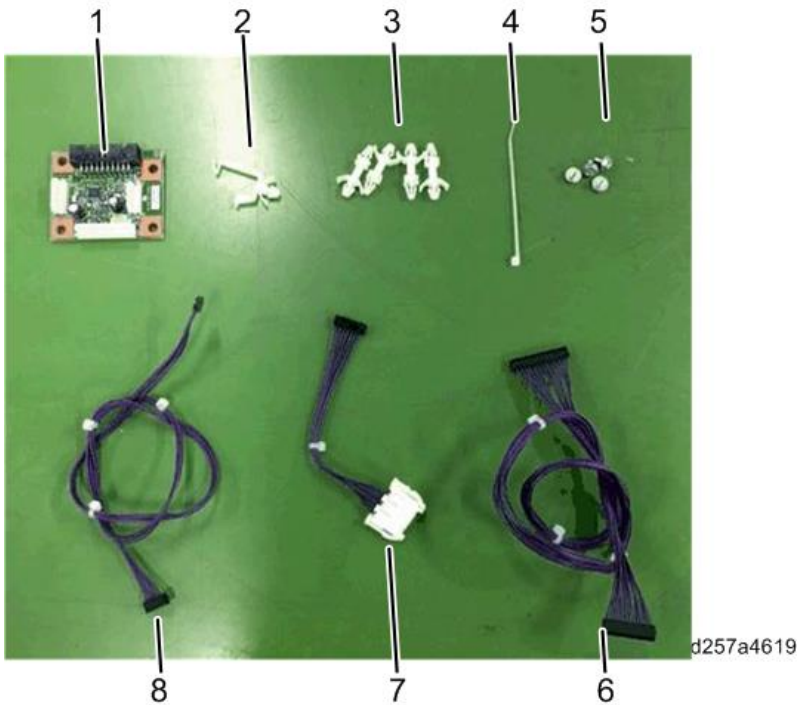
- 5-878-001 (Data Overwrite Security)
Enables the Data Overwrite Security unit. Press "EXECUTE" on the operation panel. Then turn the machine off and on.
- SP5-990-005 (SP Print Mode: Diagnostic Report).
Prints the configuration sheets of the system and user settings : SMC.
Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.

Optional Counter Interface Unit Type A (B870)

Component Check

Check the quantity and condition of the components against the following list.

No.	Description	Q'ty
1	Key Counter Interface Board	1
2	Harness Clamp	1
3	Stud Stay	4
4	Band	1
5	Tapping Screw: M3 x 6	4
6	Harness (Not used)	1
7	Harness (Not used)	1
8	Harness (Not used)	1



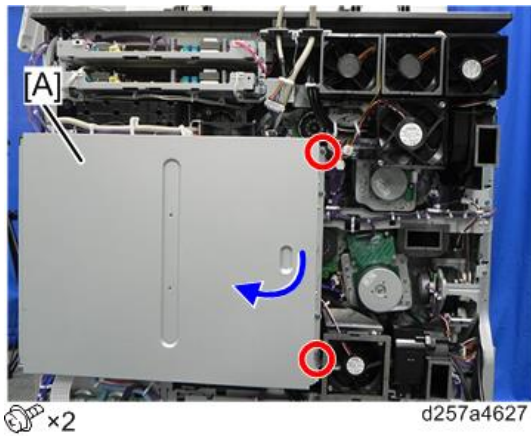
Installation Procedure

⚠ CAUTION

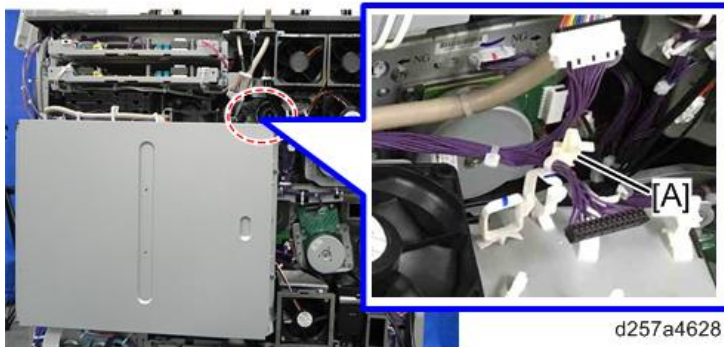
- Unplug the main machine power cord before starting the following procedure.

1. Remove the rear middle cover. ([Exterior Covers](#))

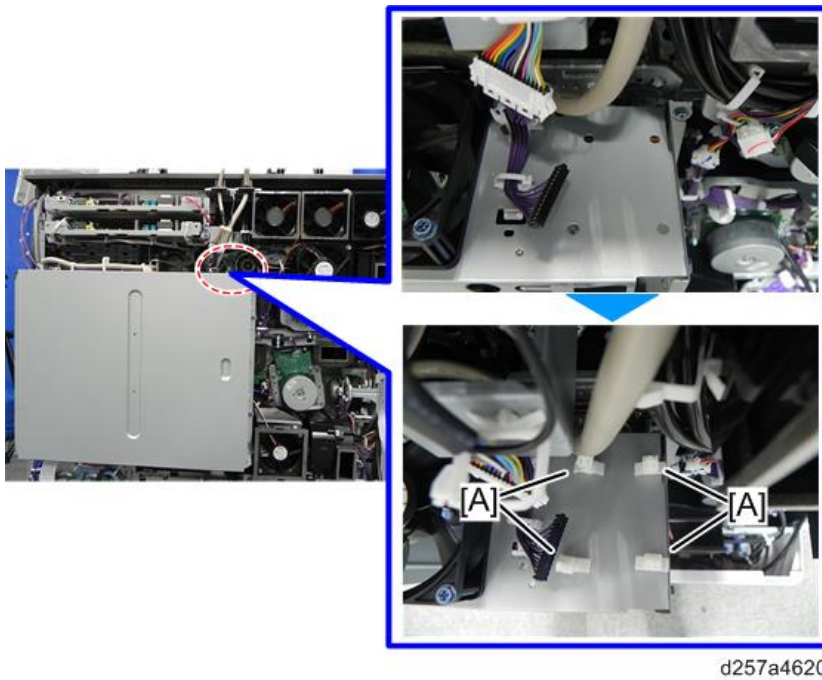
- 2.** Remove the controller box cover [A].



- 3.** Remove the clamp [A].

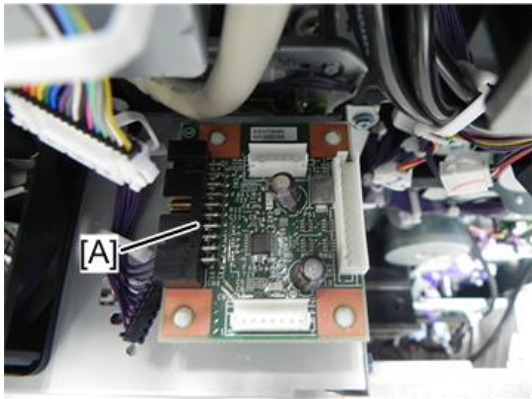


- 4.** Install the four stud stays [A] on the controller box.



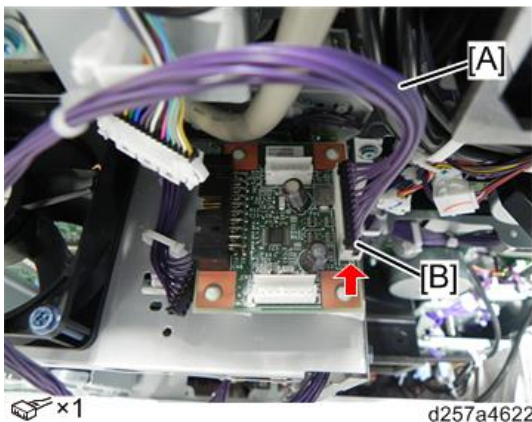
2.Installation

5. Install the optional counter interface board [A] on the four stud stays.



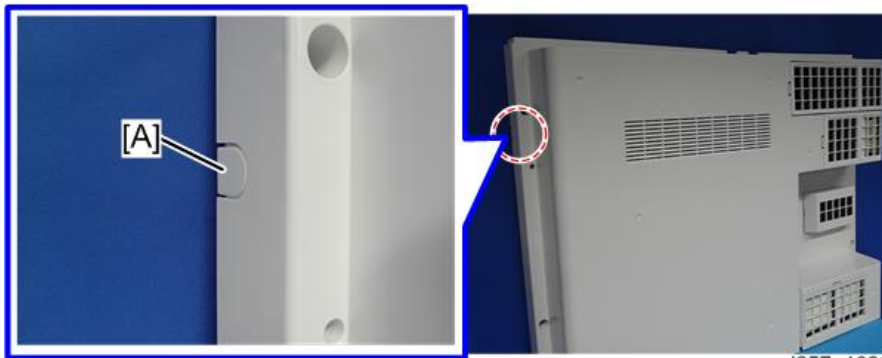
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6. Connect the harness [A] to CN3 [B] on the optional counter interface board.



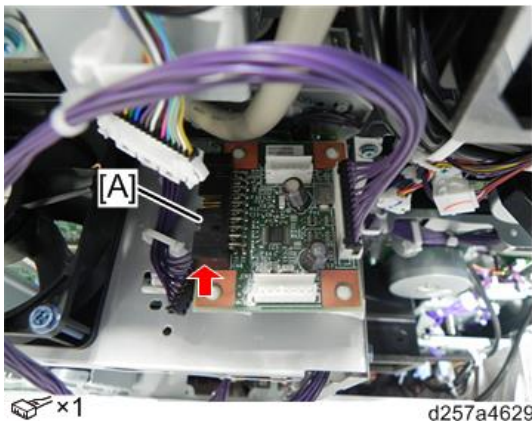
d257a4622

7. Remove the part [A] of the rear middle cover with a flathead screwdriver.



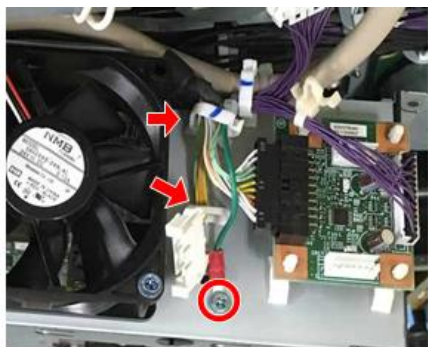
d257a4626

8. Connect the harness from the optional counter device to CN4 [A] on the optional counter interface board.



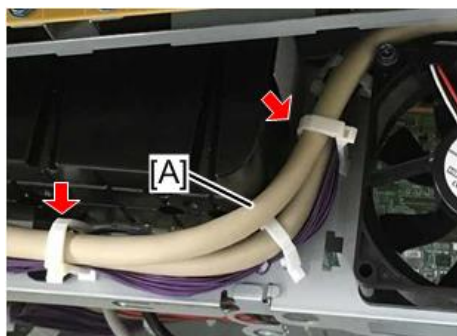
d257a4629

- 9.** Fix the ground cable with a screw and clamp it together with the unused connector (white, 7-pin).



 x1  x2 d257a4630

- 10.** Route the harness from the optional counter device [A].



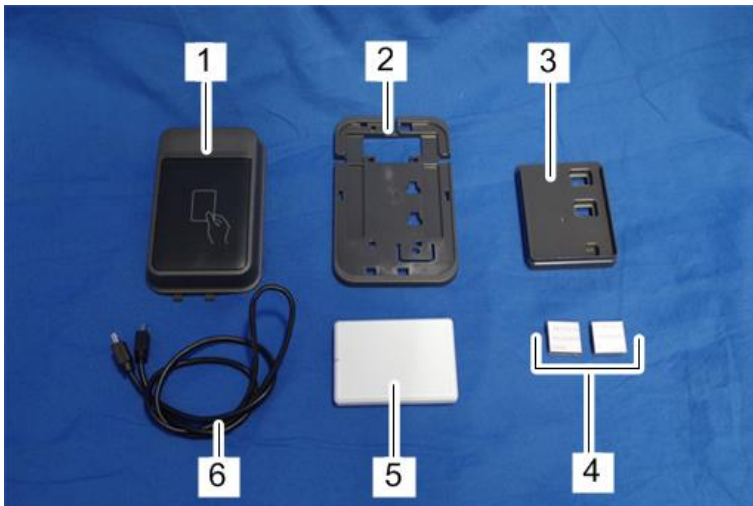
 x2 d257a4631

- 11.** Reassemble the machine.

NFC Card Reader Type S6 (D3DH-06) (Pro C5200/C5210 Only)

Accessory Check

No.	Description	Q'ty	Remarks
1	IC Card Reader Upper Cover	1	
2	IC Card Reader Base Cover	1	
3	IC Card Reader Spacer	1	
4	Sponge	2	
5	IC Card Reader	1	
6	Interface Cable	1	
-	RoHS Decal	1	
-	RoHS Label	1	
-	EMC Address Decal	1	
-	Caution Chart: JA	1	
-	Caution Chart: 27 Languages	1	



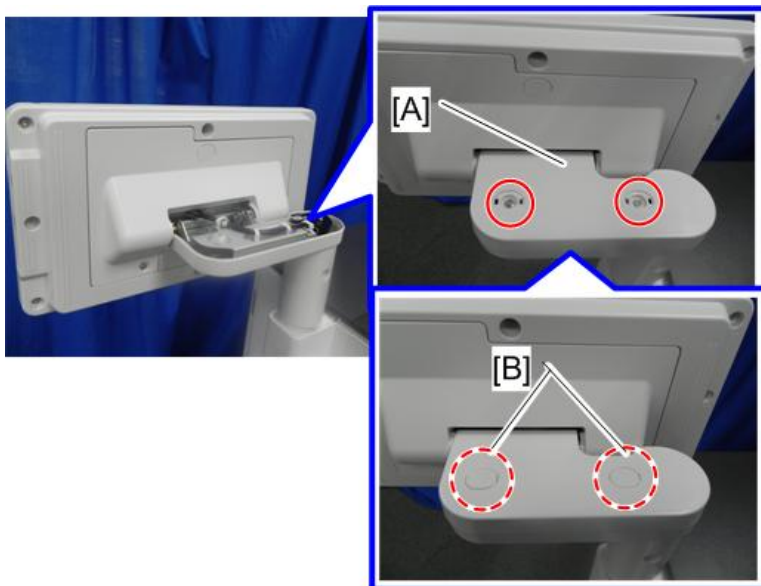
d257a7572

Installation Procedure

⚠ CAUTION

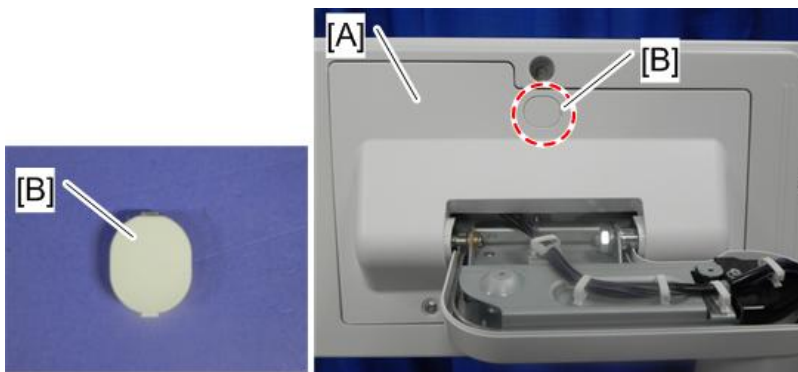
- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.

1. Remove the screw covers [B] on the back of the operation panel. Remove the arm upper cover [A].



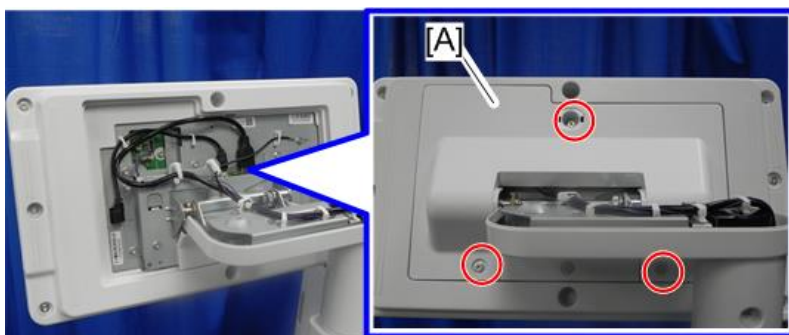
⚙️x2 d257a2035

2. Remove the screw cover [B] from the rear cover [A].



d257a2034

3. Remove the rear cover [A].

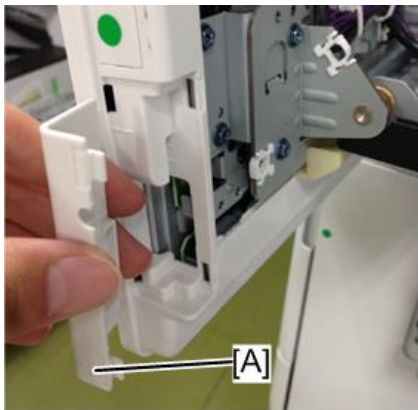


⚙️x3

d257a2033

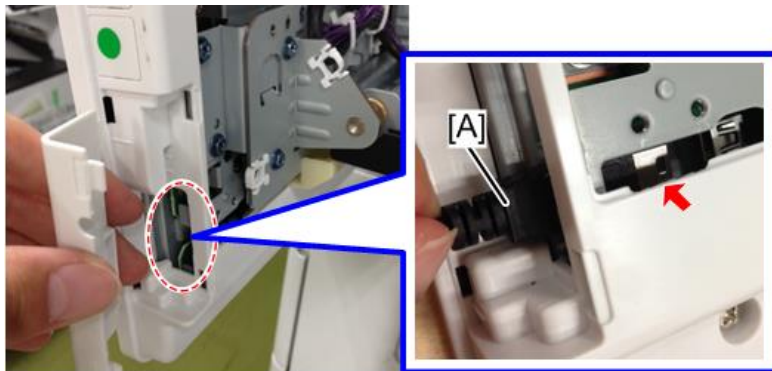
2.Installation

4. Remove the cover [A] from the right side of the operation panel.



d257a4591

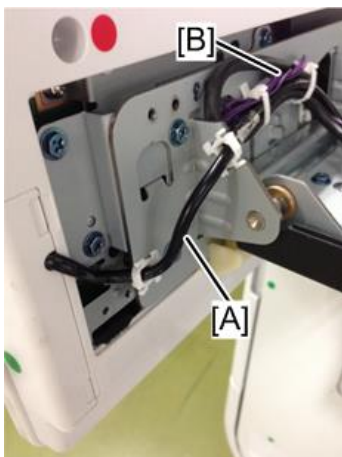
5. Insert the USB cable [A] into the media slot of the operation panel.



×1

d257a4592

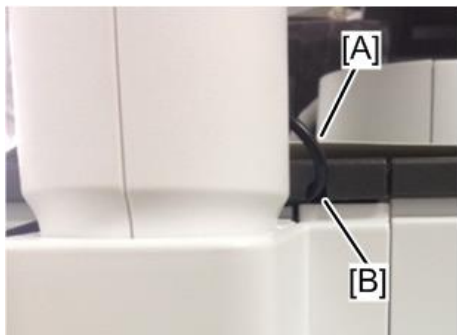
6. Route the USB cable [A] on the back side of the operation panel, and then secure it together with the operation panel harness [B] as shown below.



d257a4593

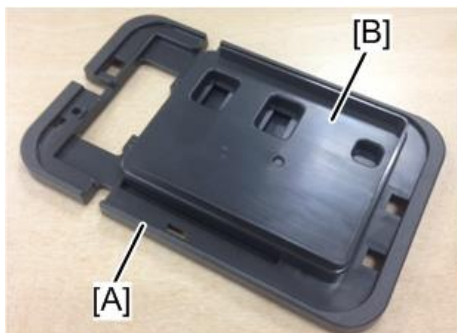
7. Put back the covers on the operation panel.

- 8.** Pull out the USB cable [A] from the cut-out [B].



d257a4594

- 9.** Attach the spacer [B] to the base cover [A].



d257a4595

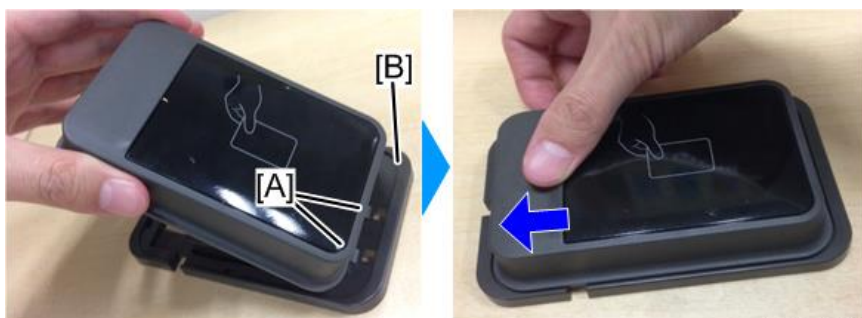
- 10.** Attach the NFC card reader [A] to the spacer.

- 11.** Connect the USB cable [B] to the NFC card reader [A], and then route the USB cable as shown below.



×1 d257a4596

- 12.** Insert the hooks [A] of the upper cover into the base cover [B], and then attach the upper cover to the base cover.



d257a4598

2.Installation

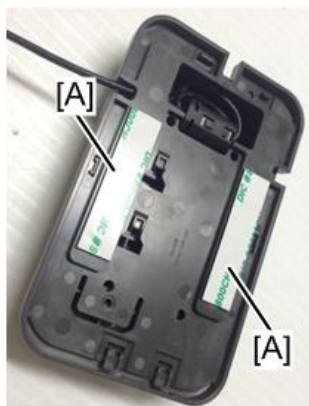
Note

When removing the upper cover from the base cover, release the hooks of the upper cover by pushing the upper cover [A] as shown below.



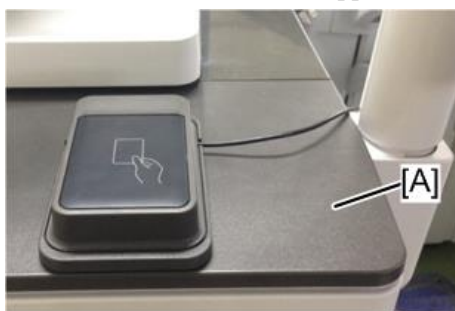
d257a4599

- 13.** Peel off the tape [A] from the mounts on the back side of the base cover.



d257a4600

- 14.** Attach the base cover to the upper front cover [A] of the main machine.

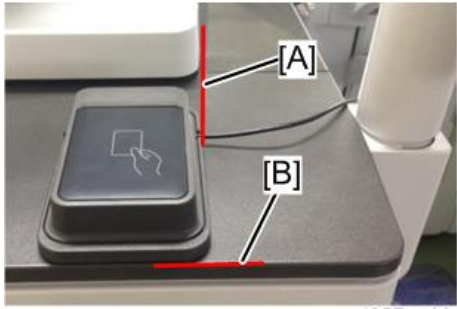


d257a4602

Note

When attaching the base cover to the upper front cover of the main machine, align the base cover with the lines [A] and [B] as shown below.

2. Installation

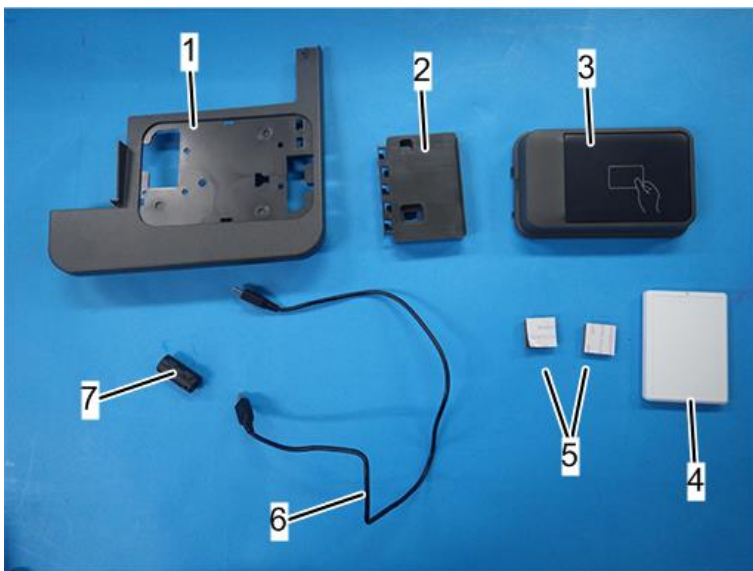


d257a4601

NFC Card Reader Type M19 (D3BS-21) (MP C6503/C8003 Only)

Accessory Check

No.	Description	Q'ty	Remarks
1	COVER:FRONT:UPPER	1	Not used for this machine
2	SPACER:IC CARD	1	
3	COVER:IC CARD:ASS'Y	1	
4	IC CARD:NFC_R/W:ASS'Y	1	
5	SPONGE:20X20	2	
6	CABLE:USB:NFC	1	
7	FERRITE CORE:K3 NF-55(N)BK0	1	



d284a2076

Installation Procedure

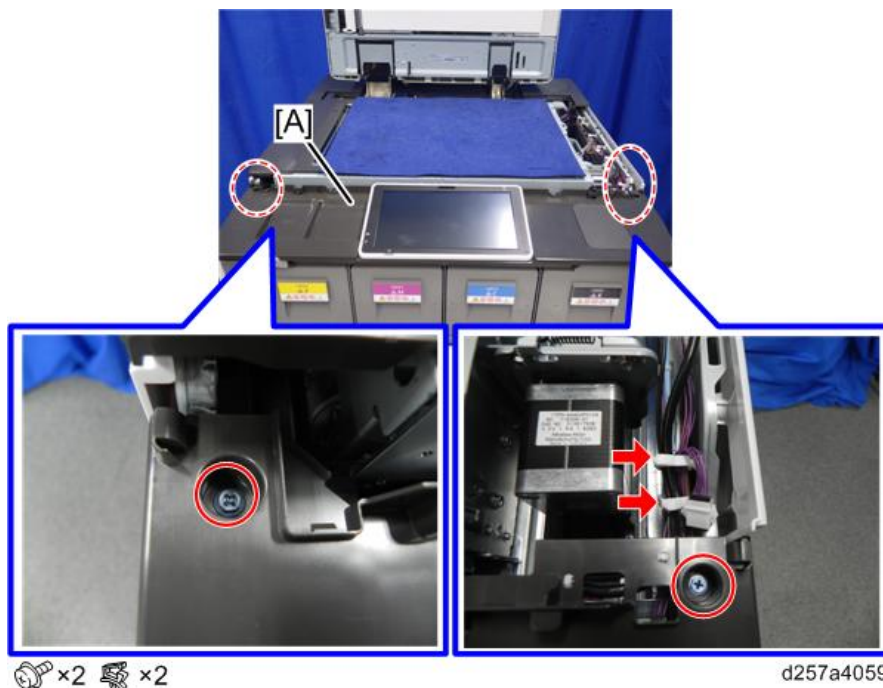
⚠ CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.

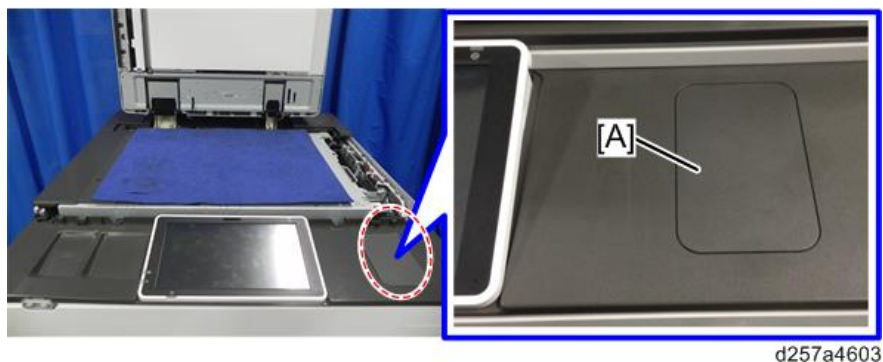
1. Remove the following covers.

- Upper front cover ([Upper Front Cover](#) (MP C6503/C8003))
- Upper rear cover ([Upper Rear Cover](#) (Small))
- Upper right cover ([Upper Left Cover](#), [Upper Right Cover](#))

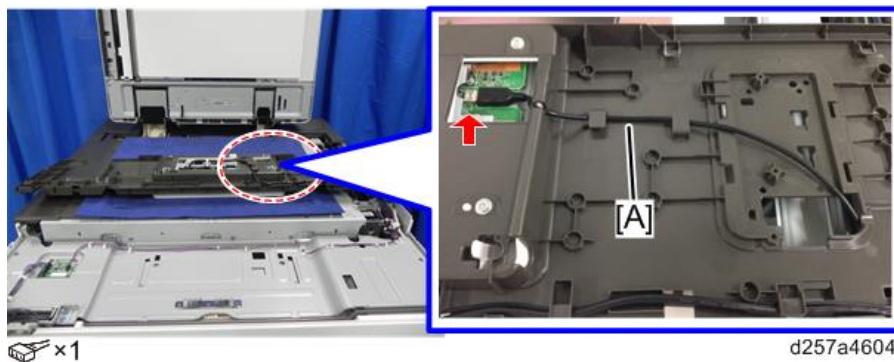
2. Remove the screws and clamps on the lower cover of the operation panel.



3. Remove the cover [A].



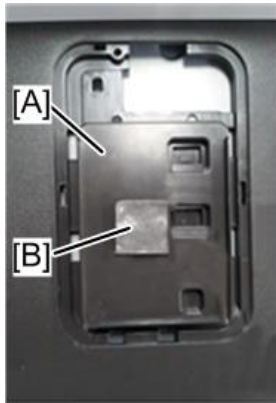
4. Turn over the lower cover of the panel, and route the USB cable [A].



5. Reattach the screws and covers removed in previous steps.

2.Installation

6. Attach the spacer [A] and sponge [B].



d257a4624

Note

- Attach the sponge flush with the corner of the hole [A].



d257a4625

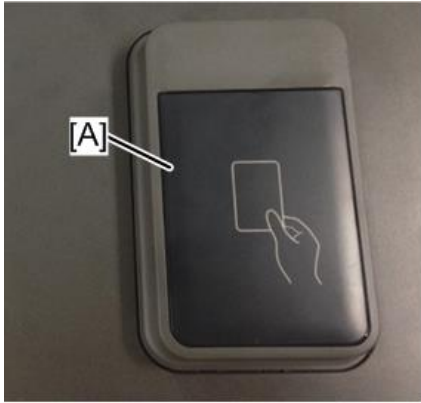
7. Attach the card reader [A].



 x1

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- 8.** Attach the cover [A] of the card reader.



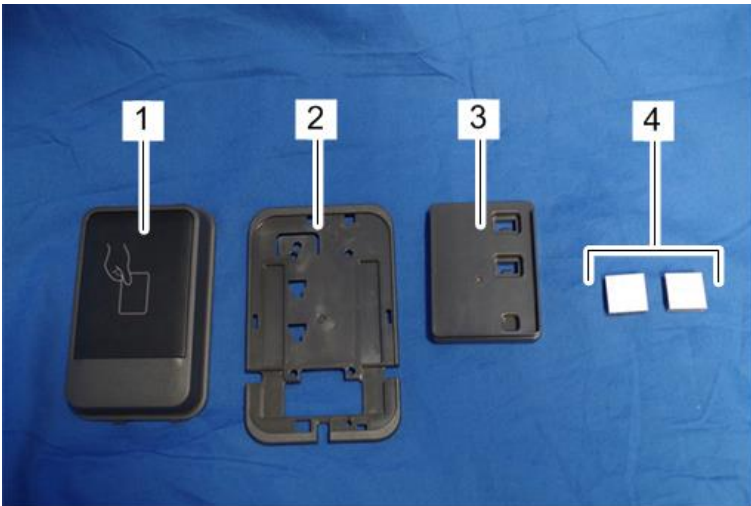
d257a4606

2.Installation

Smart Card Reader Built-in Unit Type S6 (D3DH-07) (Pro C5200/C5210 Only)

Accessory Check

No.	Description
1	IC Card Reader Upper Cover
2	IC Card Reader Base Cover
3	IC Card Reader Spacer
4	Sponge
-	RoHS Decal
-	RoHS Label



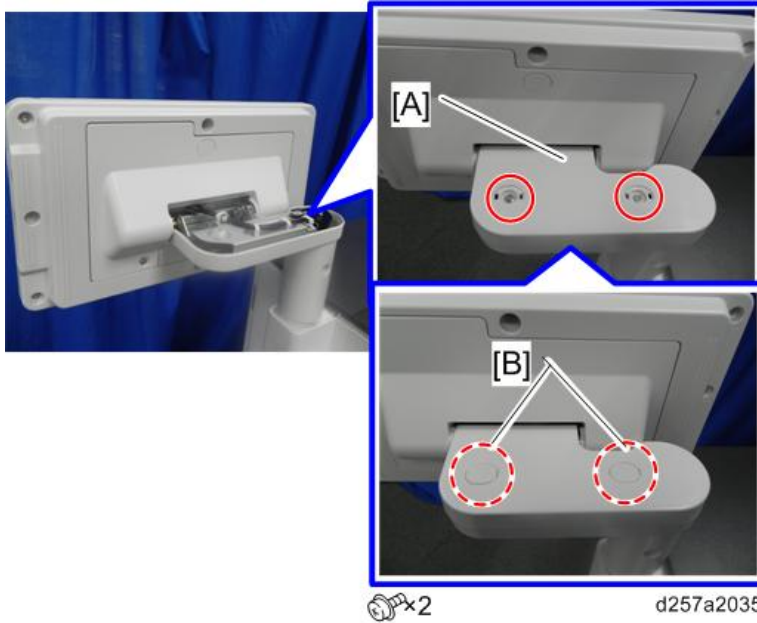
d257a7573

Installation Procedure

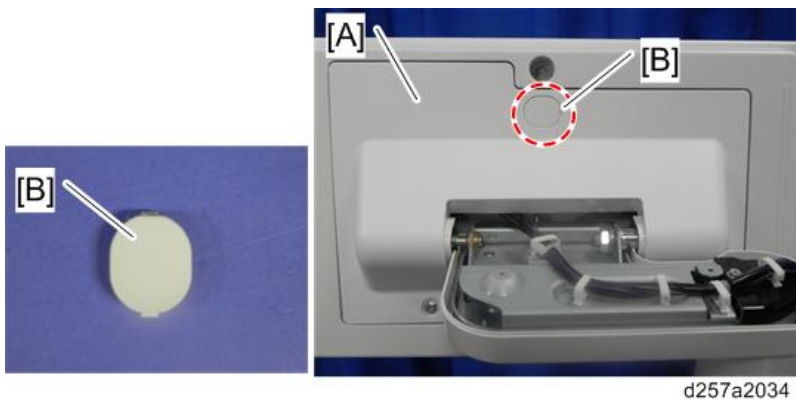
⚠ CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.

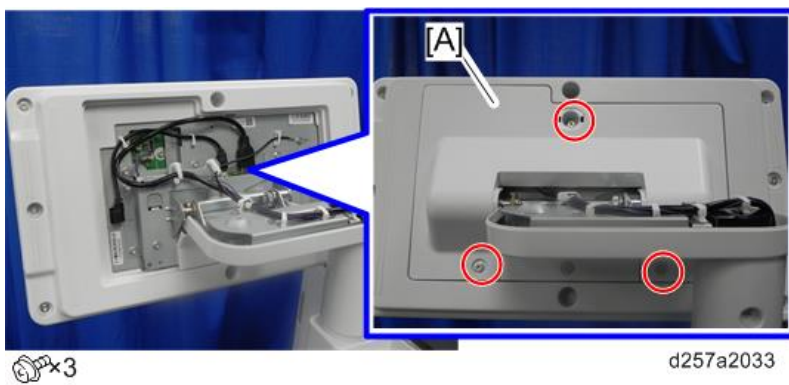
1. Remove the screw covers [B] on the back of the operation panel. Remove the arm upper cover [A].



2. Remove the screw cover [B] from the rear cover [A].

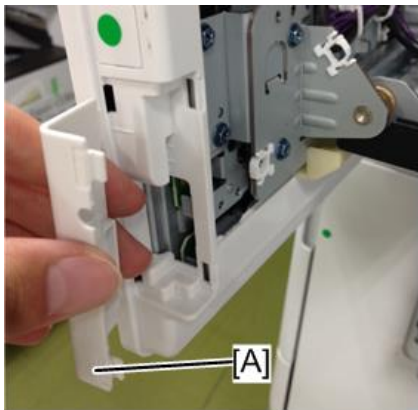


3. Remove the rear cover [A].



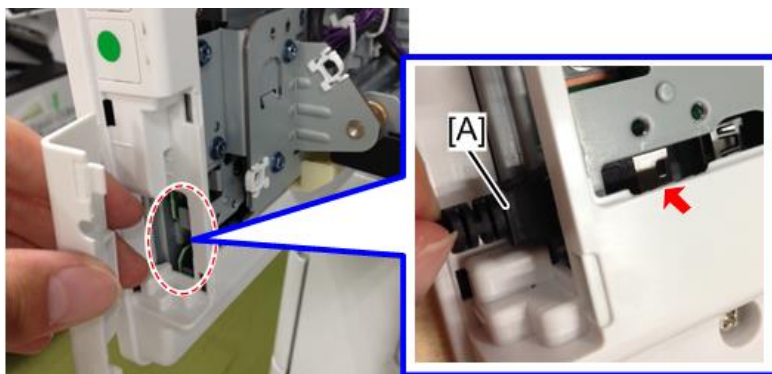
2. Installation

4. Remove the cover [A] from the right side of the operation panel.



d257a4591

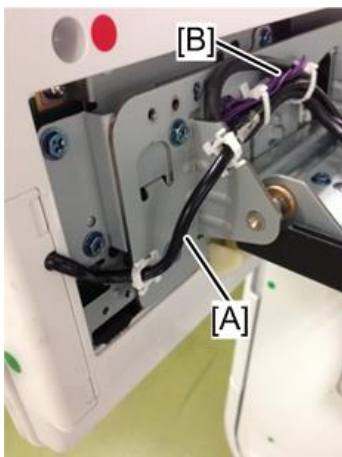
5. Insert the USB cable [A] into the media slot of the operation panel.



×1

d257a4592

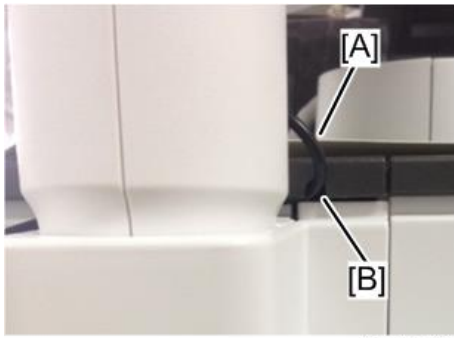
6. Route the USB cable [A] on the back side of the operation panel, and then secure it together with the operation panel harness [B] as shown below.



d257a4593

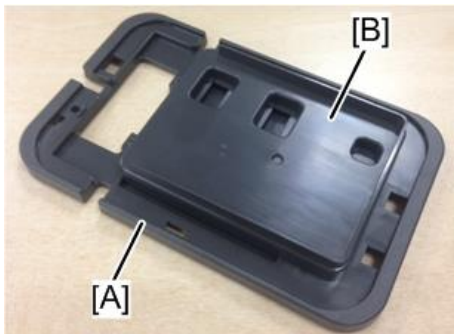
7. Put back the covers on the operation panel.

- 8.** Pull out the USB cable [A] from the cut-out [B].



d257a4594

- 9.** Attach the spacer [B] to the base cover [A].



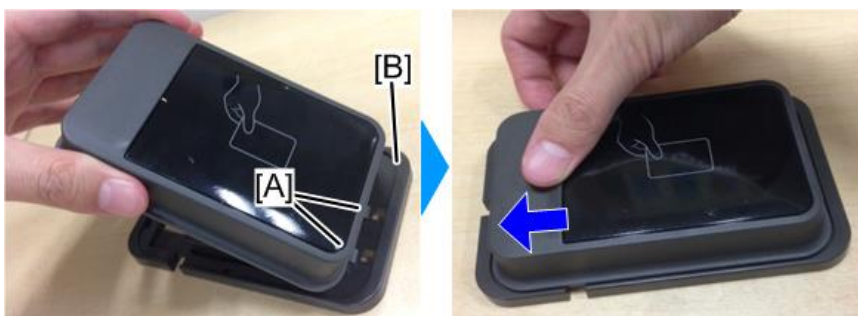
d257a4595

- 10.** Attach the NFC card reader [A] to the spacer.
- 11.** Connect the USB cable [B] to the card reader [A], and then route the USB cable as shown below.



×1 d257a4596

- 12.** Insert the hooks [A] of the upper cover into the base cover [B], and then attach the upper cover to the base cover.



d257a4598

2. Installation

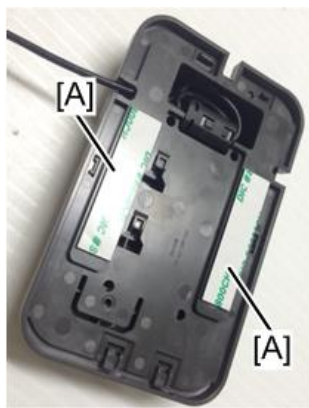
Note

When removing the upper cover from the base cover, release the hooks of the upper cover by pushing the upper cover [A] as shown below.



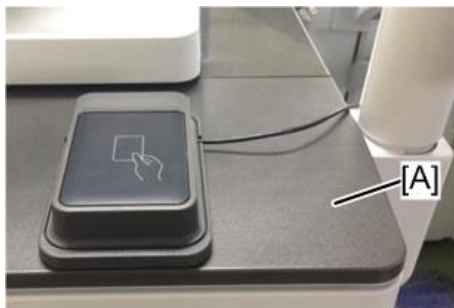
d257a4599

- 13.** Peel off the tape [A] from the mounts on the back side of the base cover.



d257a4600

- 14.** Attach the base cover to the upper front cover [A] of the main machine.

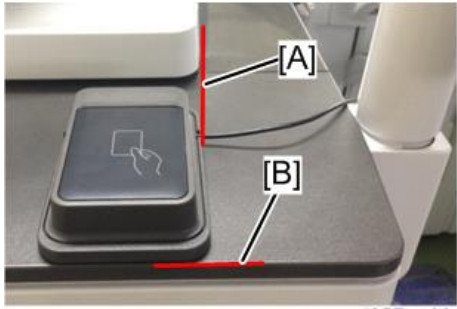


d257a4602

Note

When attaching the base cover to the upper front cover of the main machine, align the base cover with the lines [A] and [B] as shown below.

2. Installation

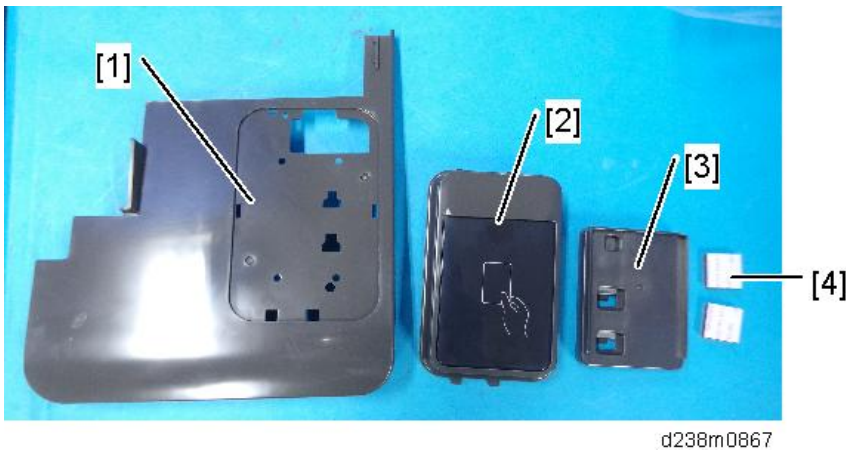


d257a4601

Smart Card Reader Built-in Unit Type M19 (D3BS-22) (MP C6503/8003 Only)

Accessory Check

No.	Description	Q'ty	Remarks
1	Corner Cover	1	
2	IC Card Reader Spacer	1	
3	IC Card Reader Table	1	
4	Sponge	2	



Installation Procedure

⚠ CAUTION

- When installing this option, turn OFF the main power and unplug the power cord from the wall socket. If installing without turning OFF the main power, an electric shock or a malfunction may occur.

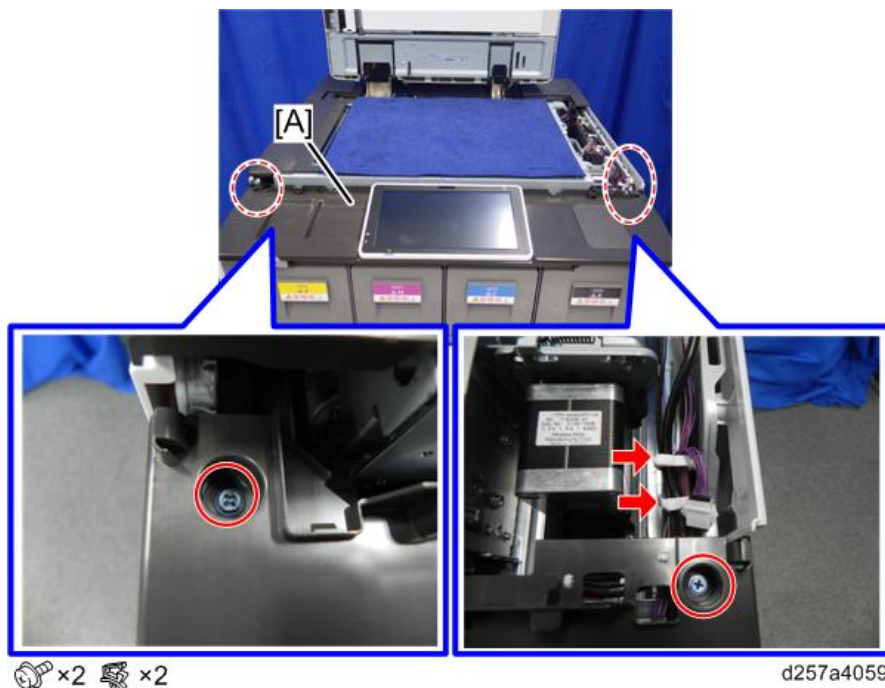
↓ Note

- An IC card reader and a USB cable are not included with this unit. The customers must obtain these themselves, and the technicians must install them.

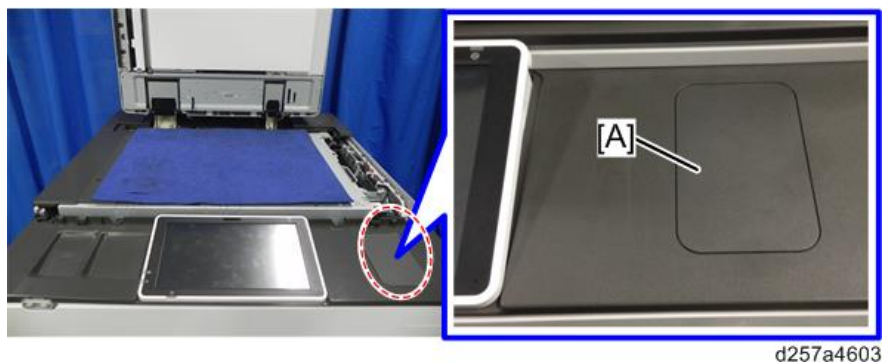
1. Remove the following covers.

- Upper front cover ([Upper Front Cover](#) (MP C6503/C8003))
- Upper rear cover ([Upper Rear Cover](#) (Small))
- Upper right cover ([Upper Left Cover](#), Upper Right Cover)

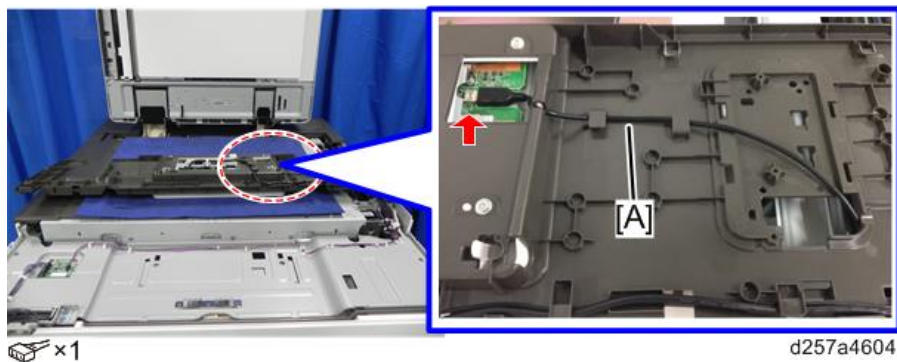
2. Remove the screws and clamps on the lower cover of the operation panel.



3. Remove the cover [A].



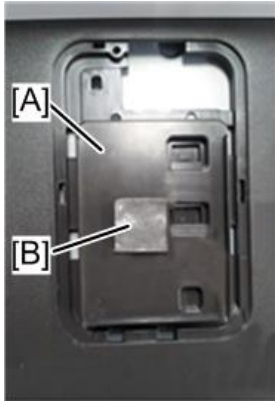
4. Turn over the lower cover of the panel, and route the USB cable [A].



5. Reattach the screws and covers removed in previous steps.

2.Installation

6. Attach the spacer [A] and sponge [B].



d257a4624

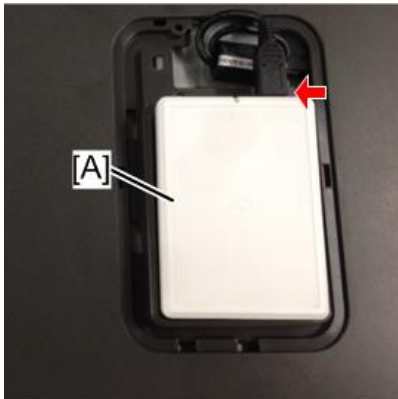
Note

- Attach the sponge flush with the corner of the hole [A].



d257a4625

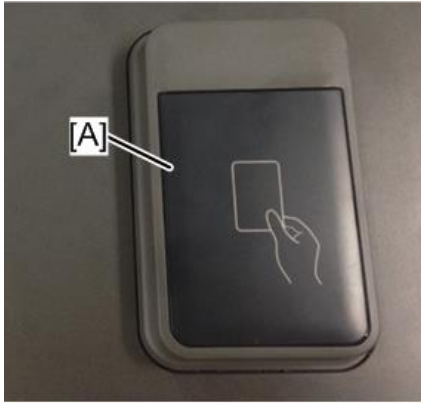
7. Attach your card reader [A].



 x1

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- 8.** Attach the cover [A] of the card reader.



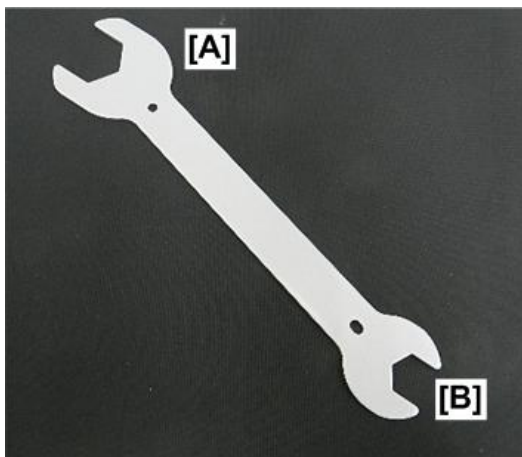
d257a4606

Common Adjustments

Height and Level Adjustment

Before you begin:

- The main machine should be installed first and adjusted to level front-to-back, and side-to-side.
 - Note the settings on the leveling gauge. Due to the length of the paper path with optional peripheral units installed, it is extremely important that every unit be leveled to match the front-to-back and side-to-side measurements of the main machine.
 - The height and level of each peripheral unit must be adjusted at installation.
 - The height and level of each unit must be adjusted before testing for the presence of skew and checking that side-to-side registration is correct.
1. Use the wide end [A] of the accessory wrench provided with the machine to adjust the front and rear feet of the main machine.
 2. The narrow end of the wrench [B] is for the feet of the peripheral units.



d1790999

Setting the Leveling Shoes

★ Important

- Do this procedure near each caster where an adjustable bolt is provided.
- The number of leveling shoes will differ, depending on which unit you are leveling.

- 1.** Turn the lower nut to lower the bolt.

↓ Note

- The upper bolt is spot-welded to the frame and does not move.



d1795700

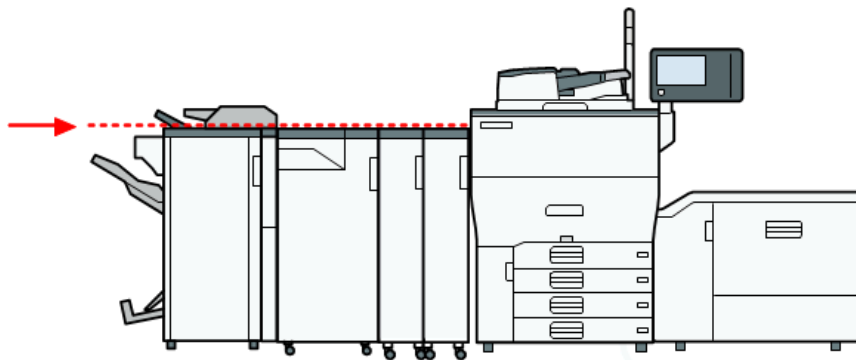
2. Set a leveling shoe below the bolt.
3. Continue to turn the lower nut until it stops against the shoe.



d1795701

4. Set a level on the front, rear, and side edges to determine if the unit is level.
5. Adjust the height at each corner until the unit is level.
6. Check the results of the adjustments.
 - The tops of the peripheral units on the left where the units are joined must be at the same height.

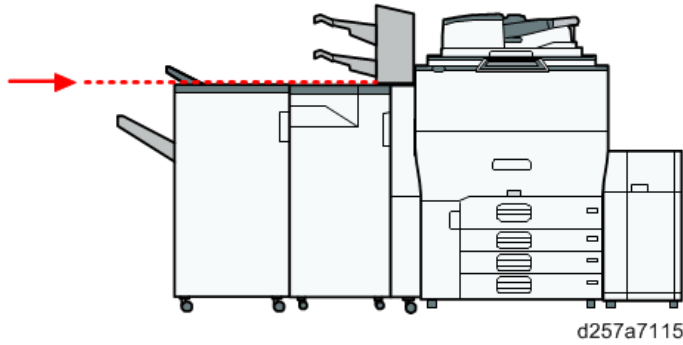
Pro C5200S/C5210S



d257a7114

MP C6503/C8003

2.Installation



- Make sure that the plate at the paper exit on the left side of the main machine [A] moves freely and is not bent. It must be able to move to handle thick paper.
- Between the right side [B] of the main machine and the LCIT, make sure that the LCIT guide plate moves freely and does not interfere with the main machine guide plate.

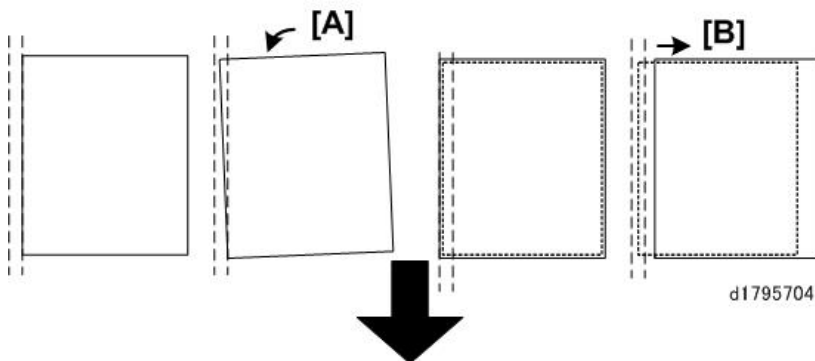


d1795703

Skew and Side-to-Side Registration

The paper feed path is extremely long when many peripheral units are installed. In such a long path, the cumulative effect of paper skew or deviation in side-to-side registration may require adjustment.

- Skew [A] occurs when the trailing edge of the paper rotates away from the direction of paper feed.
- If side-to-side registration shift [B] occurs, the sheet remains straight but shifts left or right away from center of the paper path.



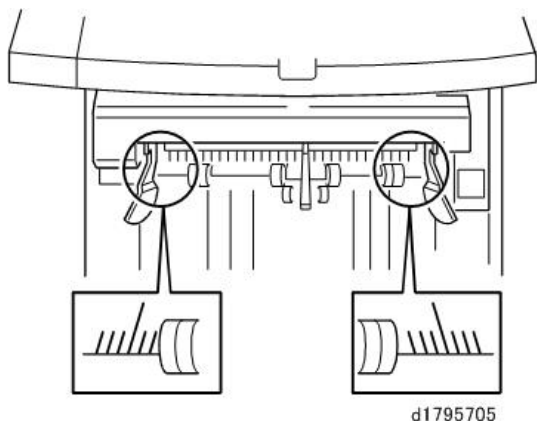
d1795704

★ Important

- Before adjusting skew manually, be sure to enter the SP mode and set SP1-206-001 to "2" (OFF). This disables side-to-side registration in the main machine's registration unit.

Scales

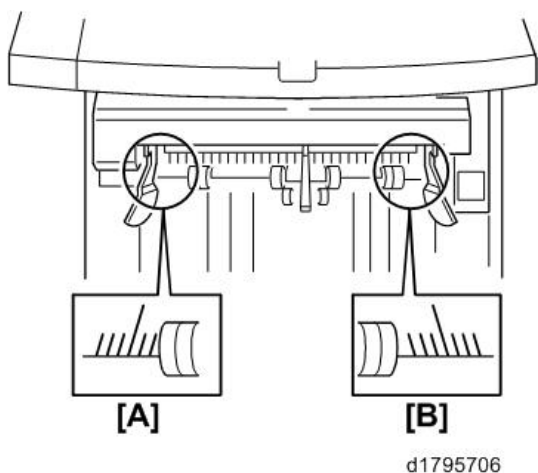
- Skew and side-to-side registration are checked with graduated scales (shown below) where paper exits the units.



- The scales are provided so that you can visually check and measure the amount of skew or deviation in side-to-side registration.
- A scale for detecting skew and checking side-to-side registration ("S-to-S") is provided on the following peripheral units.
- Correction for both skew and side-to-side registration are possible.

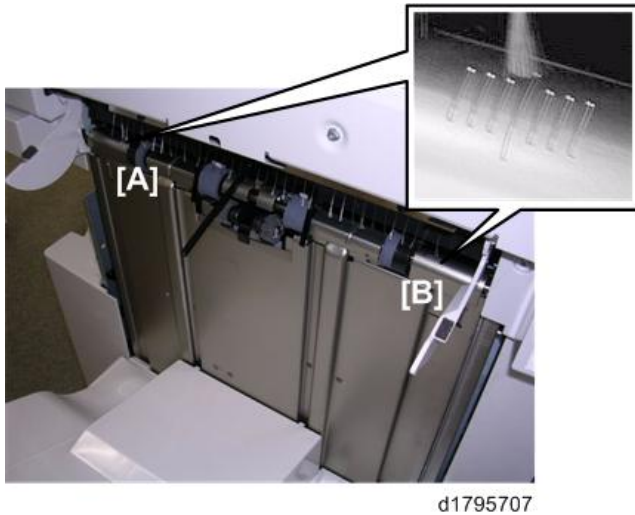
Name	Skew	S-to-S	Comment
LCIT	---	---	Correction is done in the registration unit of the main machine.
Other Peripheral Units	Yes	Yes	Correction for both skew and side-to-side registration are possible when the unit is attached to the upstream device with the single-piece bracket (see the red lines in the illustration later in this section).

- Use either the rear scale or front scale, depending on the type of paper used in your area:
 - Rear [A]: DLT SEF (LT LEF for Ring Binder)
 - Front [B]: A3 SEF (A4 LEF for Ring Binder)



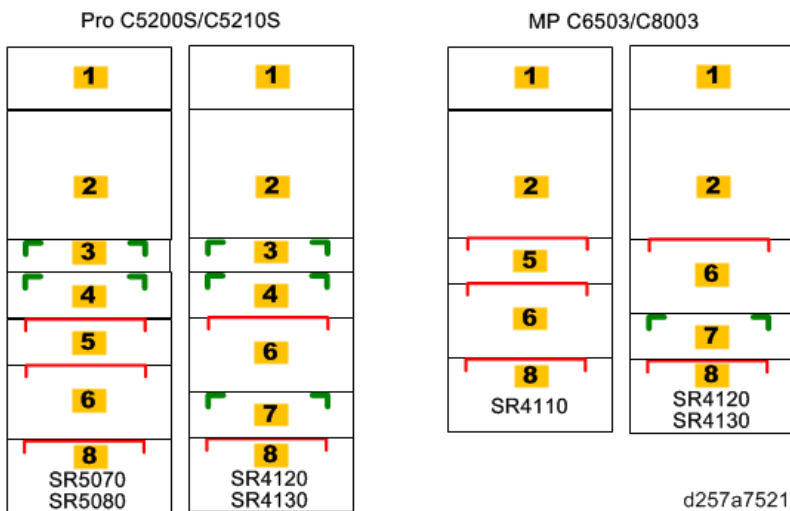
- The scale is located at the paper exit for each peripheral unit.
The illustration shows the scale on the left side of the Booklet Finisher tray:

2.Installation



[A]: DLT/ [B]: A3

- In the illustration below:
 - The RED lines indicate the single-piece brackets where adjustments can be done to eliminate skew and to correct side-to-side registration.
 - The GREEN lines indicated 2-piece connecting brackets where the adjustment is not possible.



No.	Name
[1]	LCIT
[2]	Main Machine
[3]	Decurl Unit
[4]	Buffer Pass Unit
[5]	Two-tray Cover Interposer
[6]	Multi-folding Unit
[7]	One-tray Cover Interposer
[8]	Finisher (SR4110* ¹ , SR4120, SR4130, SR5070* ² , SR5080* ²)

*1 MP C8003 only

*2 Pro C5200S/C5210S only

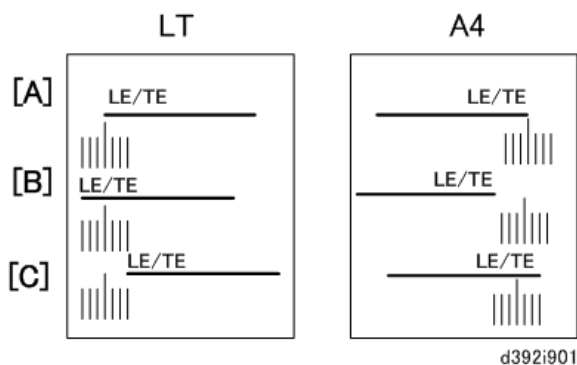
Note

- Here are some general rules for testing and adjusting for paper skew or a shift in side-to-side registration.
1. After installation of each peripheral device, do some test prints and check for the presence of skew, and check that side-to-side registration is correct.
 2. When you detect a problem with skew or side-to-side registration, do the adjustment on the connecting bracket attached to the peripheral unit upstream of the unit where the problem occurred.
 3. Side-to-side registration is corrected by shifting the upstream connecting bracket left or right.
 4. Skew is eliminated by inserting spacers (shims) under the rear or front end of the connecting bracket. These attached by screws to the peripheral units before they leave the factory.

Checking Side-to-Side Registration

Do this procedure to confirm that the paper is centered in the paper path.

- 1.** Make sure that the I/F cable of the unit is connected to the upstream device.
- 2.** Disconnect the unit to the left of the unit to be tested.
- 3.** Execute a run by feeding paper from Tray 2 of the host machine.
- 4.** When each sheet exits, check the position of the paper on the scale to see if the paper is centered.
 - Read the rear scale for DLT-size paper
 - Read the front scale for A3-size paper.
 - The scale lines are spaced 2 mm apart.
- 5.** The paper must not deviate more than ± 2 mm on the scale.



[A]	Leading/trailing edges centered. No adjustment necessary.
[B]	Leading/trailing edges offset to the rear by more than 2 mm. Adjustment required.
[C]	Leading/trailing edges offset to the front by more than 2 mm. Adjustment required.

If the edge of the paper is on the scale at the center [A], no adjustment is required.

-or-

If the edge of the paper is ± 2 mm off the center line on the scale, adjustment is required. Do the procedure in the next section.

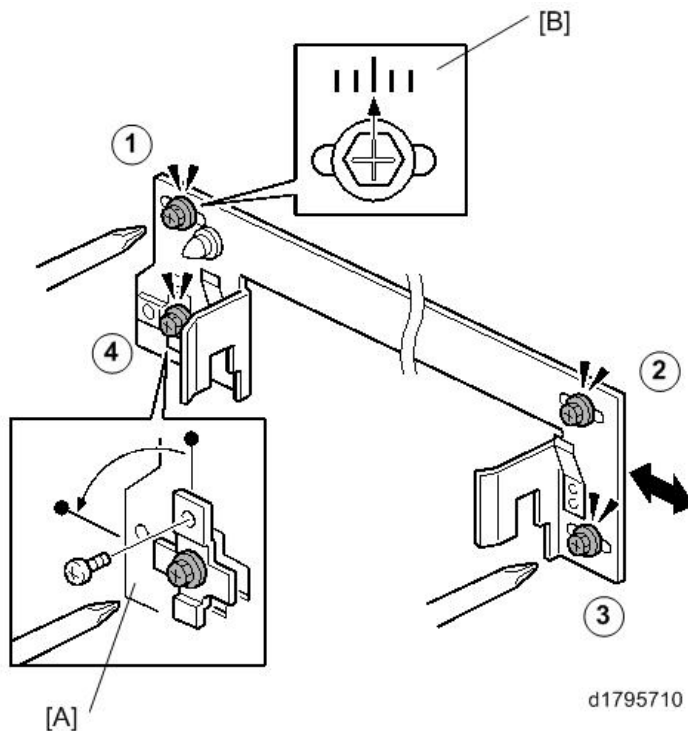
Correcting Side-to-Side Registration

Each peripheral unit for this machine has the same single-piece connection bracket shown below. This adjustment

2. Installation

can be done for every unit on the connection bracket attached to the upstream device

- 1.** Enter the SP mode and set SP1-206-001 to "2" (OFF).
- 2.** Disconnect the peripheral unit from the upstream device.
- 3.** On the connecting bracket attached to the upstream device, loosen screw ①, ②, ③, and ④.
- 4.** Remove bracket [A] (⌀x1), rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the connecting bracket so it can slide from side to side.
- 5.** Look at the scale [B].
- 6.** Slide the bracket to the left or right and tighten the screw.
- 7.** If the deviation from center was toward the front, slide the bracket to the rear and tighten screw ①.
-or-
If the deviation from center was toward the rear, slide the bracket to the front and tighten screw ①.
- 8.** Tighten screws ②, ③, and ④.



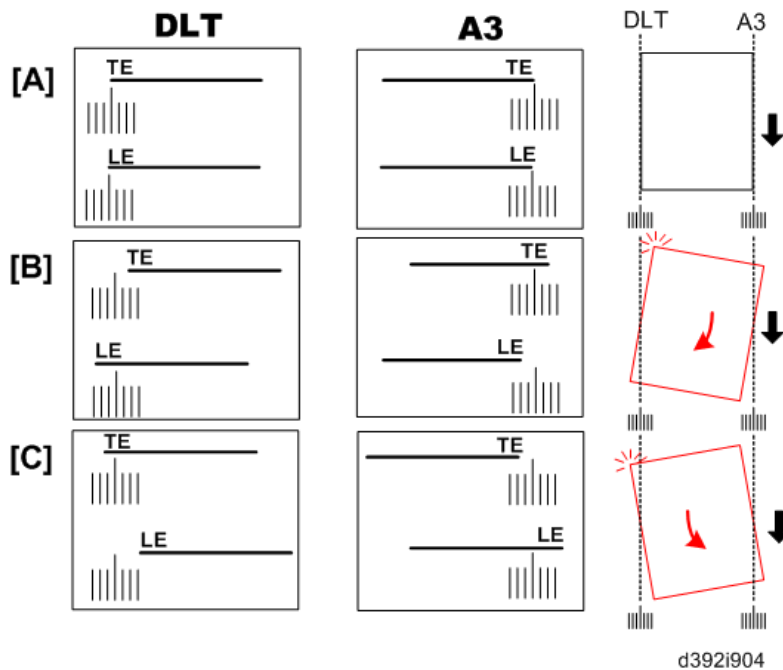
- 9.** Do another test run, so that you can check the results of the adjustment.
- 10.** When you are finished, enter the SP mode and re-set SP1-206-001 to "1".

Detecting Paper Skew

Do this check to detect the presence of skew in the paper path.

- 1.** Make sure that the I/F cable of the unit is connected to the upstream device.
- 2.** If a peripheral unit is connected on the left side, disconnect it and pull it away.
- 3.** Execute a straight-through run.
- 4.** Check the scale where each sheet exits.
 - The rear scale is for DLT-size paper.
 - The front scale [2] is for A3-size paper.

- Be sure to read the correct scale for the paper size in use.



[A]	Centered. No adjustment necessary.
[B]	Trailing edge skew to the front, total skew more than ± 2 mm. Adjustment required.
[C]	Trailing edge skew to the rear, total skew more than ± 2 mm. Adjustment required.

Correcting Skew

Removing Spacers

1. Enter the SP mode and set SP1-206-001 to "2" (Off).
2. Disconnect the peripheral unit from the upstream device.
3. Remove the spacers from the peripheral unit where the problem occurred.

The photos below show where you can find the spacers for each unit.

Multi-folding Unit



d454i111

Booklet Finisher, Finisher

2. Installation



d1795713

Inserting Spacers

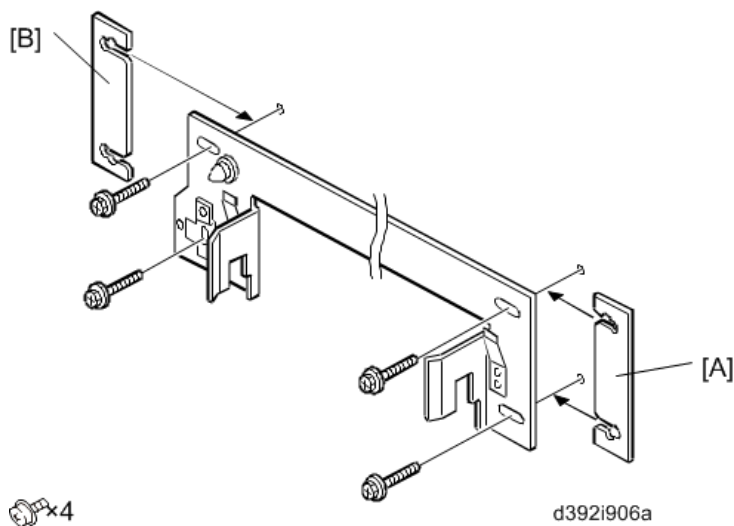
1. Loosen the screws of the connecting bracket attached to the peripheral upstream of the unit where the problem occurred.

2. Insert a spacer and tighten the screws.

If the trailing edge is skewing toward the **front** of the machine, insert a spacer [B] under the **rear** end of the bracket and tighten the screws.

-or-

If the trailing edge is skewing toward the **rear** of the machine, insert a spacer [A] under the **front** end of the bracket and tighten the screws.



3. Do another run to check the adjustment. If skew is still present, insert another spacer.

- Each spacer is 2 mm thick.
- Only two spacers are provided, so the maximum adjustment is 4 mm (using two spacers).

4. Enter the SP mode and re-set SP1-206-001 to "1".

3. Preventive Maintenance

Preventive Maintenance Tables

See "Appendices" for the following information:

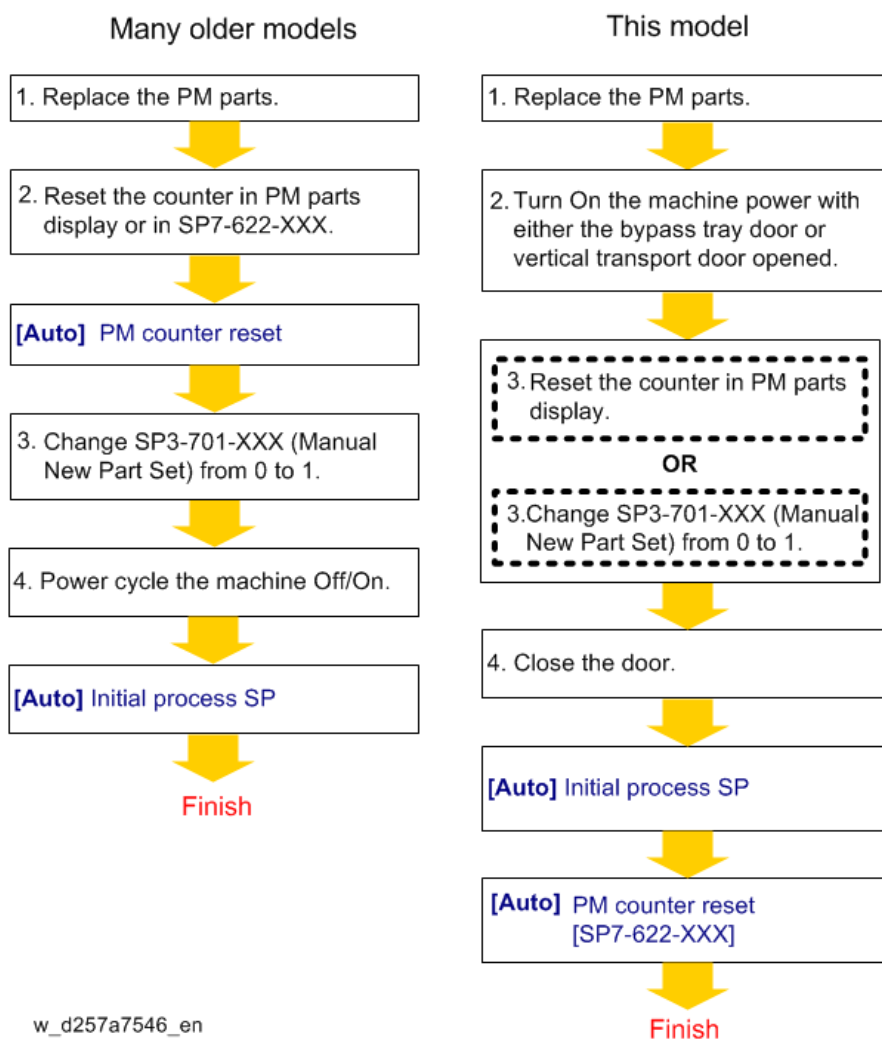
- Preventive Maintenance Tables

PM Parts Settings

PM Parts Replacement Procedure

Comparison of the PM parts replacement procedures

PM parts replacement procedure for this model is different from many older models. If the PM counter is reset in “PM parts display”, a flag is set (SP3-701-XXX) and initial process SPs are run automatically for the replaced part. See below for details. If the PM counter is reset in SP7-622-XXX, the procedure is the same as many older models.



w_d257a7546_en

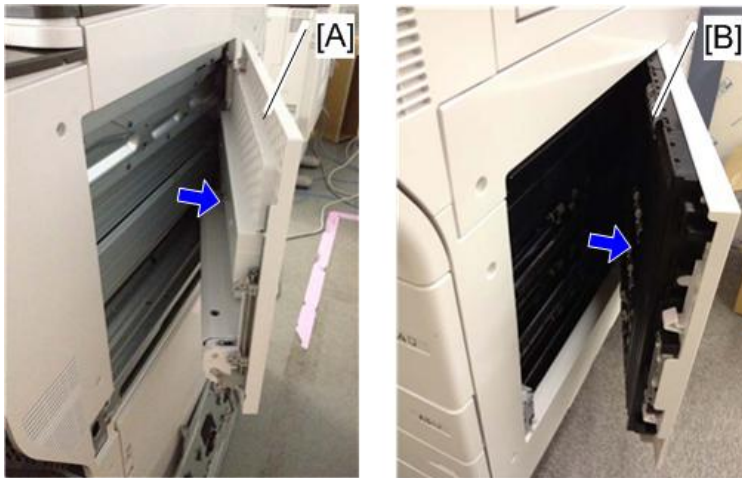
★ Important

- If the counter for the Lubricant Bar is reset in SP7-622-XX, make sure to set SP3-701-XXX to "1". Otherwise, the lubricant end detection (SP3-810-XXX) will not be reset and the banner message indicating near-end will remain on the operation panel.

PM part replacement procedure

1. Turn OFF the power on the operation panel button, and unplug the AC power cord.
2. Turn OFF the main power switch located inside the door.
3. Replace the PM parts.

4. Plug in the AC power cord and turn on the main power switch with either the bypass tray door [A] or vertical transport door [B] opened.



d1352984

Note

- Make sure to open either the bypass tray or vertical transport door before turning on the main power. Otherwise, problems could occur as a result of unnecessary initialization processes.

5. Enter the SP mode and push the PM parts counter reset button in the PM Parts display. (PM Counter Display)

Note

- Pressing the reset button in the PM Counter Display does not reset the PM counter. The PM counter is reset after closing the door in step 6.

6. Close the bypass tray door (or the vertical transport door). The machine will reset the PM counters automatically followed by an initialization process.

7. Execute initialization in the SP mode, if required. (For details about which SPs to execute, see the replacement and adjustment procedures for each part.)

8. Enter SP5-990-004 and check the counter values in the SMC logging data.

Make sure that the PM counters for the replaced units are "0" in the PM parts display.

If a PM counter for a unit that had been replaced does not display "0," reset that counter in the procedure described above.

9. Exit the SP mode.

Note

- The machine will automatically stop when the PM counters for the fusing cleaning web and drum lubricant bar reach their yield.
- Counter clearance is not required when replacing the developer, because this counter is cleared by SP3-024 (Developer Fill: Execute).
- Counter clearance triggers the initialization of the parts described in this section. When initialization is required for these parts, open the front door and clear the counter.

Preparation before Operation Check

1. Clean the exposure glasses (for DF and book scanning). Check the PM table to see if any other cleaning is

3.Preventive Maintenance

scheduled at this time.

2. Display the "Machine Features" screen.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
 - MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".
3. Press "Maintenance", and then press "Auto Color Calibration".
4. Perform auto color calibration for the copier mode & printer mode.
5. Exit the "Machine Features" screen, and then enter the SP mode.
6. Do the "Forced line position adjustment"
 - First do SP2-111-3 (Mode c).
 - Then do SP2-111-1 (Mode a).
 - Check the process by viewing the operation panel to confirm successful results. Results can also be viewed in SP 2-194-10 to 12.
7. Exit the SP mode.

Adjustment for the Nip Width of the Fusing Unit (Pro C5200S/C5210S only)

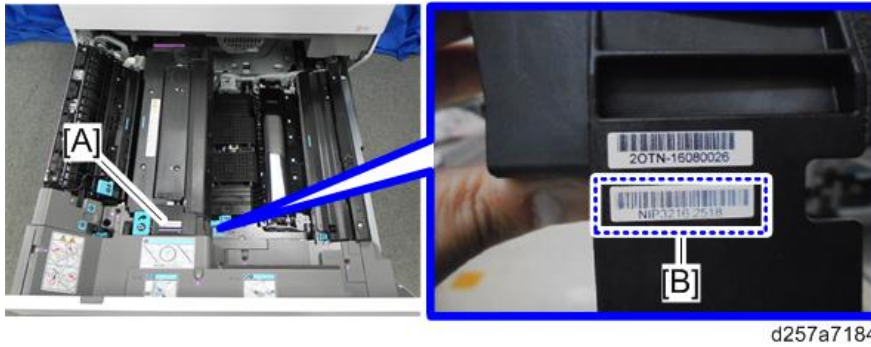
After installing the new fusing unit for Pro C5200S/C5210S, adjust the nip width of the fusing unit with the following procedure.

- 1.** Open the drawer unit [A].



d257a3003

- 2.** Check the label [B] attached to the fusing front cover [A].
The adjustment value for the fusing nip width is printed on the label.



- 3.** Take a note of the first half of the number [A] and the second half of the number [B] on the label.



- 4.** Slide the drawer unit back in.
- 5.** Display the "Machine Features" screen.
- When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
- 6.** Display the "Adjustment Settings for Operators" screen.
1. Press "Adjustment Settings for Operators".
 2. Enter the user name in the user name entry screen.
 3. Enter the password in the password entry screen.
- 7.** Press "02 Machine: Image Quality", and then press "0212: Slope for Envelope Nip Width".
- 8.** Enter the first half [A] of the number on the label, in "02: Coefficient of Linear Function: I".
- 9.** Enter the second half [B] of the number on the label, in "03: Constant Term: m".

Operation Check

Print out a sample image and confirm proper image quality.

PM Counter Display

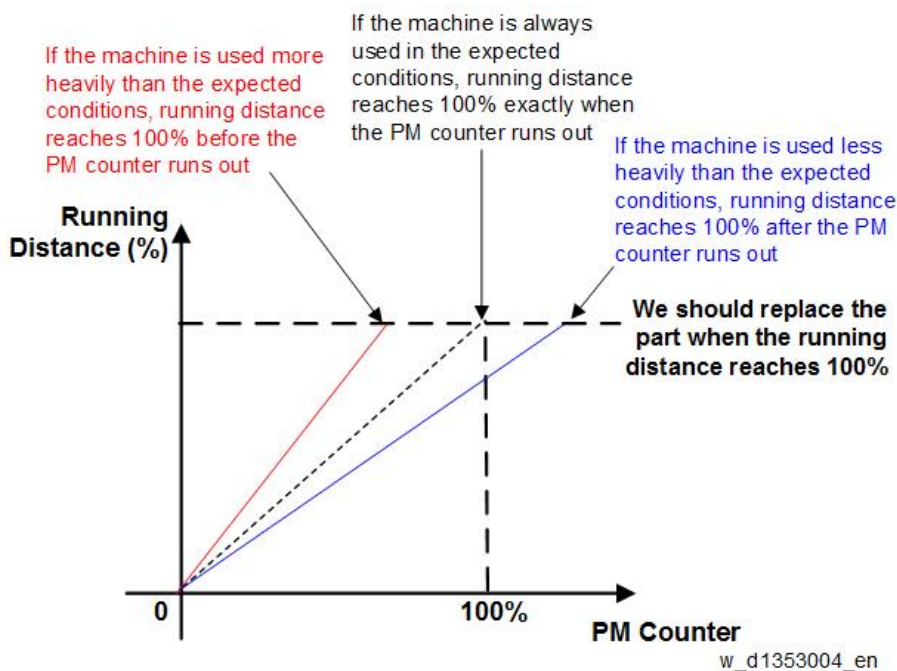
The PM Counter main menu and sub menu allow you to view the PM counts for both units and individual components.

There are menus for estimated usage ratio, remaining days, and commissioning status report. The machine applies the running distance calculation to display the usage ratio and remaining days of parts. With this system, PM can be scheduled with more accuracy in accordance with the machine usage conditions unique to every user. Please refer to the usage ratio and remaining days when doing PM for the machine.

Note concerning Running Distance Data

Since the PM parts yield is based on set conditions (for example, Pro C5200S/C5210S: A4LEF, 26P/J, FC70%, etc), if a machine is used in an unexpected manner, parts could reach their life before the prescribed yield (EM), or could exceed the prescribed yield.

However, if the machine uses the running distance of the parts (which is a calculation based on the total number of revolutions made by the parts), PM can be carried out at more precise times, because the running distance reflects the actual status of the machine.



Opening the PM Counter

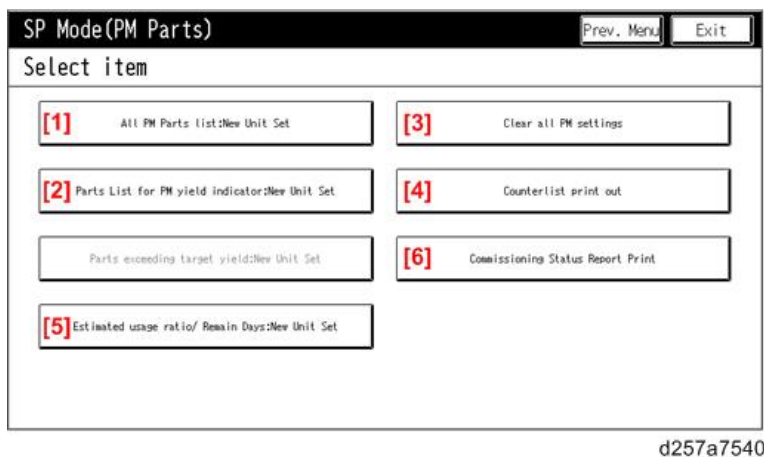
In the SP mode, there is a management screen for the PM counter.

1. Enter the SP mode.

2. Press [PM Counter/New Unit Set].



3. Select the item you want to configure.



[1] All PM Parts List: New Unit Set

Displays all PM items (all PM items, not only PM units). Lists all PM items regardless of PM yield indicator settings.

[2] Parts List for PM yield indicator: New Unit Set

Displays only the items with their PM yield indicator settings set to "Yes".

[3] Clear all PM settings

Resets all PM counter settings to "0" at the same time. PM items can be reset one by one in the "All PM Parts List: New Unit Set" menu.

[4] Counterlist print out

Prints the PM counter on paper.

[5] Estimated usage ratio/Remain Days: New Unit Set

Displays the estimated usage ratio (0 to 100%) and remaining days (255 to 0 days) of the PM items, in which the calculation is based on page counter value and running distance, allowing more accuracy in comparison to the conventional PM page counter.

[6] Commissioning Status Report Print

3.Preventive Maintenance

Prints the status report.

PM Parts Screen Details

All PM Parts list: Main Menu

The "All PM Parts list" displays all PM units and individual items. This list shows all PM items, regardless of their "PM yield indicator settings".

No	Description	PM yield	Current	Target	New Unit Set
[A] 003	[B] #Development Unit : K	[C] YES	[D] 00000000	[E] 00600000	[F] NO
004	Developer : K	YES	00000000	00600000	NO
005	Developer Filter : K	YES	00000000	00600000	NO
008	#Cleaning Unit : K	YES	00000000	00300000	NO
009	Cleaning Blade : K	YES	00000000	00300000	NO
010	Brush Roller : K	YES	00000000	00300000	NO
011	Lubricant Bar : K	YES	00000000	00300000	NO
012	Apply Blade : K	YES	00000000	00300000	NO

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[A]: Number buttons. Pressing a number button opens a sub menu.

[B]: Descriptions. The # mark denotes a "unit" (not an individual item).

[C]: PM yield buttons. The function is the same as the "PM yield indicator settings" in the sub menu.

[D]: Current PM counter value.

[E]: Target PM interval. This can be changed by pressing a number button [A].

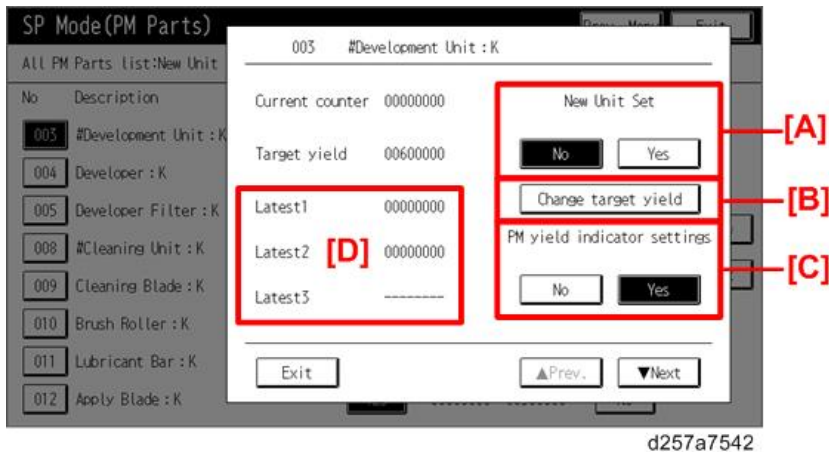
[F]: PM counter clear button. The function is the same as "New Unit Set" in the sub menu.

Note

- The fusing belt smoothing roller and fusing cleaning web unit are prescribed as PM parts only for Pro C5200S/C5210S. These parts do not appear in the "All PM Parts list" because the PM counter of these parts is not based on page count. To check if PM is needed or not for these parts, check the "Remain Days" on the "Estimated usage ratio/Remain Days : New Unit Set" screen. (See [Estimated Usage Ratio/Remaining Days](#)) Make sure to clear the counter after replacing these parts.

Number Button Sub Menu

Press any number button to open the sub menu for a part. In the example below, the number button [003: #Development Unit: K] was pressed.



[A]: New Unit Set

Press [Yes] to reset the selected PM counter (in this example 003 #Development Unit: K) to "0". You can also clear the settings by pressing the [No] button on the right side of the PM Counter Main Menu ([F] in the previous section).

[B]: Change target yield

Press to change the target PM yield. To change the setting:

- Press [Change target yield]
- Enter the number for the new target with the 10-key pad.
- Press [#].

[C]: PM yield indicator settings

[Yes] is the default. Press [No] to remove the current item from the "Parts list for PM yield indicator : New Unit Set" menu.

- When set to "Yes", items marked with the # mark (# = a unit) will not have their individual items displayed automatically in the "Parts list for PM yield indicator list".
- When set to "No", items marked with the # mark (# = a unit) only the individual components will appear in the list (the units will not appear).

[D]: PM counter history

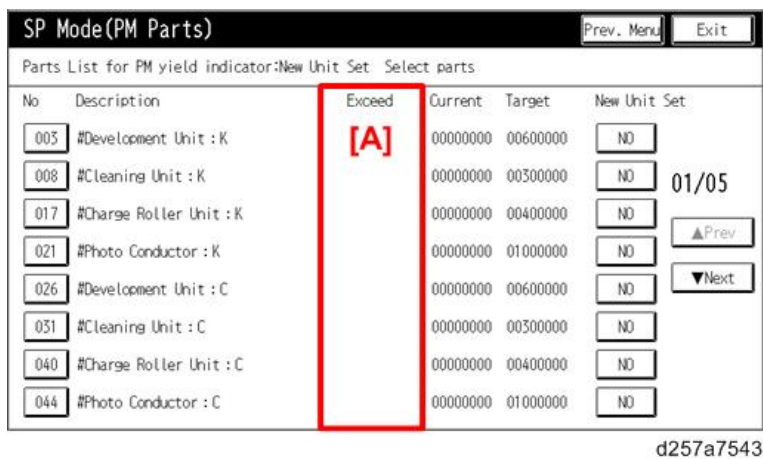
This is a summary of the most recent counts

- Latest 1. The latest PM count since the unit (or part) was replaced.
- Latest 2. The previous PM count since the unit (or part) was replaced.
- Latest 3. The previous but one PM count since the unit (or part) was replaced.

Parts List for PM Yield Indicator: New Unit Set

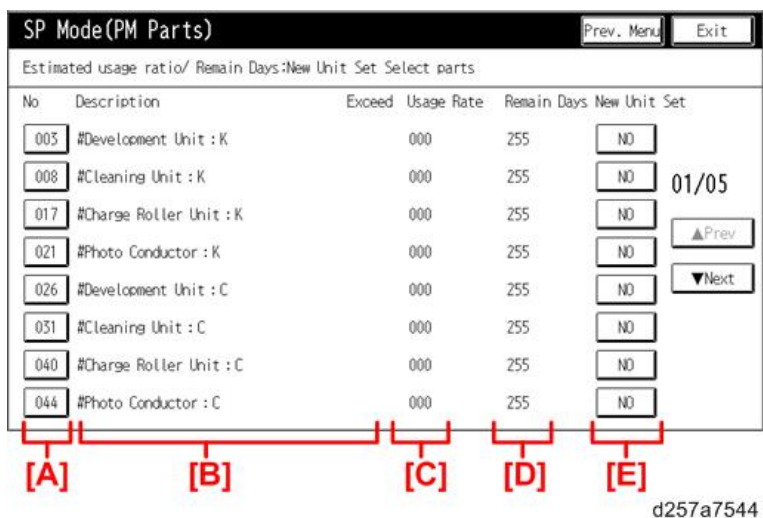
This list shows the PM Parts Main Menu with only items with the PM yield indicator set to "Yes" displayed. An asterisk (*) will appear in the Exceed column [A] to show items that have exceeded their target PM yields.

3.Preventive Maintenance



Estimated Usage Ratio/Remaining Days

Displays the estimated usage rate (0 to 100%) and remaining days (255 to 0 days) of the PM items against the PM yield, which are based on calculations using the page counter and running distance.



[A]: Number buttons. Pressing a number button opens a sub menu.

[B]: Descriptions. The # mark denotes a “unit” (not an individual item)

[C]: Displays the estimated usage rate (0 to 100%)

[D]: Displays the estimated remaining days (255 to 0 days)

[E]: Press [No] to reset the selected PM counter to "0".

Calculation of Estimated remaining days (255 to 0 days) and Estimated usage ratio (0 to 100%)

- Calculation of estimated remaining days (255 to 0 days)
 Displays either the page counter (SP7-951-XXX) or the running distance (SP7-952-XXX), whichever is smaller. Note that parts such as rollers always show the page counter value, because running distance is not counted.

Remaining days by page counter (SP7-951-XXX) = (A – B) / C

A: Standard end value as pages (SP7-623-xxx)

B: PM page counter (SP7-621-xxx)

C: Average PM page counter per day = PM page counter (SP7-621-xxx)/Number of days since last

replacement

Remaining days by running distance (SP7-952-XXX) = (A – B) / C

A: Standard end value as distance (SP7-940-xxx)

B: PM distance counter (SP7-944-xxx)

C: Average distance per day = PM distance counter (SP7-944-xxx) /Number of days since last replacement

- Calculation of estimated usage rate (0 to 100%)

Displays either the page counter (SP7-954-xxx) and running distance (SP7-942-xxx), whichever is larger.

Note that parts such as rollers always show the page counter value, because running distance is not counted.

Estimated usage ratio % (by Page counter) is calculated as follows.

Current page counter value <SP7-621-xxx> / Standard page end value <SP7-623-xxx> x 100

Estimated usage ratio % (by Running distance) is calculated as follows.

Current distance <SP7-944-xxx> / Standard distance end value <SP7-940-xxx> x 100

Commissioning Status Report Print

Prints out the status report.

Contents of the status report are as follows:

SP No.	Description
SP7-403-001 to 010	SC History
SP7-507-001 to 010	Print Engine Jam History
SP7-508-001 to 010	Original Jam History
SP7-910-001, 002	ROM No (-001: System/Copy, -002: Engine)
SP7-911-001, 002	Firmware version (-001: System/Copy, -002: Engine)
SP8-581-001	T: Counter (-001: Total, -002: Total Full Color, -003: B&W/Single Color, -010: Total Color, -011: Total B/W)
SP8-591-001	O: Counter (-001: A3/DLT Counter, -002: Duplex Counter)

Cleaning Points

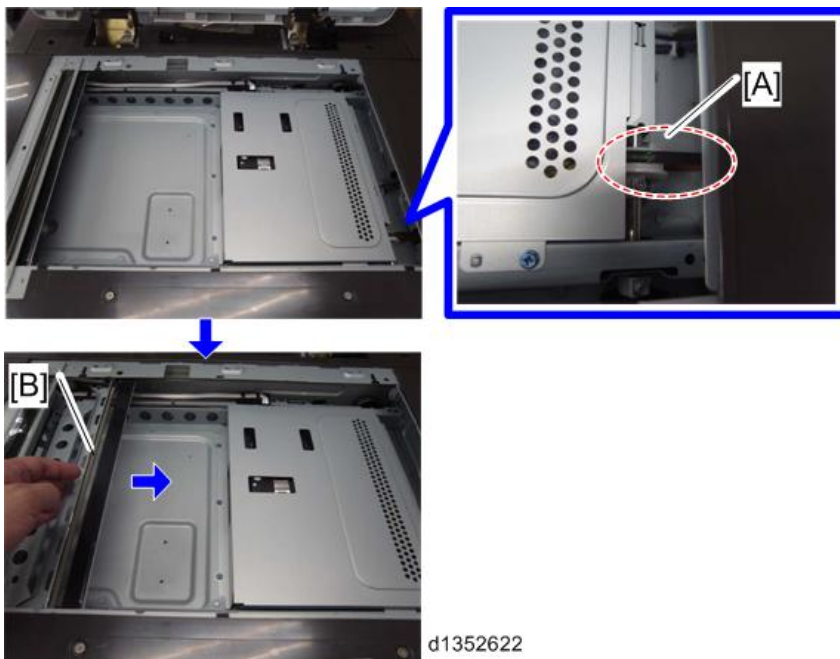
Scanner

Exposure Glass, ADF Exposure Glass, 1st Mirror, 2nd Mirror, 3rd Mirror, Original Size Sensors

1. Remove the exposure glass ([Exposure Glass](#))
2. Clean the front and back of the exposure glass with a glass cleaner.
3. Open the ADF exposure glass [A] from its left side, and then clean the front and back of the ADF exposure glass with a glass cleaner.



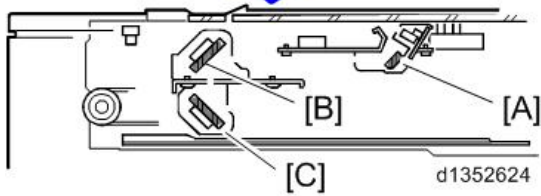
4. First, turn the gear [A] and move the 1st scanner carriage [B] to the center.



Note

- Do not touch the mirror or light guide plate in the scanner carriage.

- 5.** Clean the 1st mirror [A], 2nd mirror [B] and 3rd mirror [C] with a dry optical cloth.



- 6.** Clean the original size sensors [A] with a dry cloth.

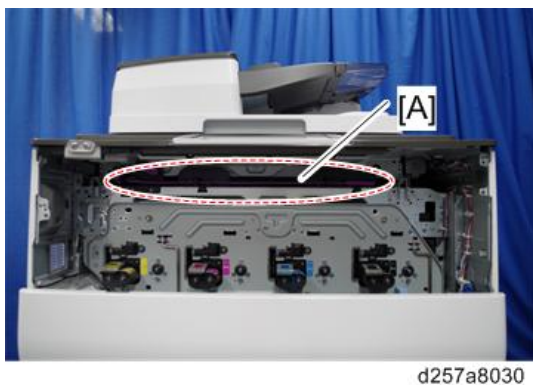


Laser Unit

Toner shield glass

Do the following cleaning at 300k.

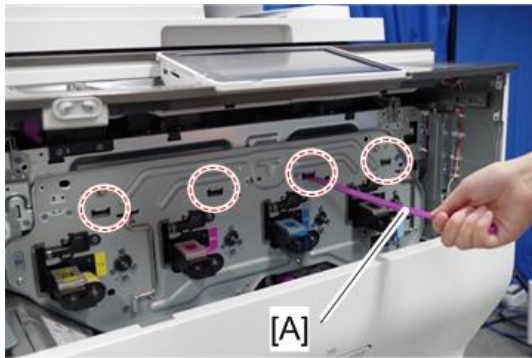
- 1.** Remove the toner supply unit. ([Toner Supply Unit](#))
- 2.** Remove the Toner Shield Glass Cleaning Tool [A].



- 3.** Insert the Toner Shield Glass Cleaning Tool [A] into the slot (red circles in the photo below), and slide it

3.Preventive Maintenance

back-and-forth about 5 times to clean the toner shield glass on the laser units. Do this procedure for all 4 colors.



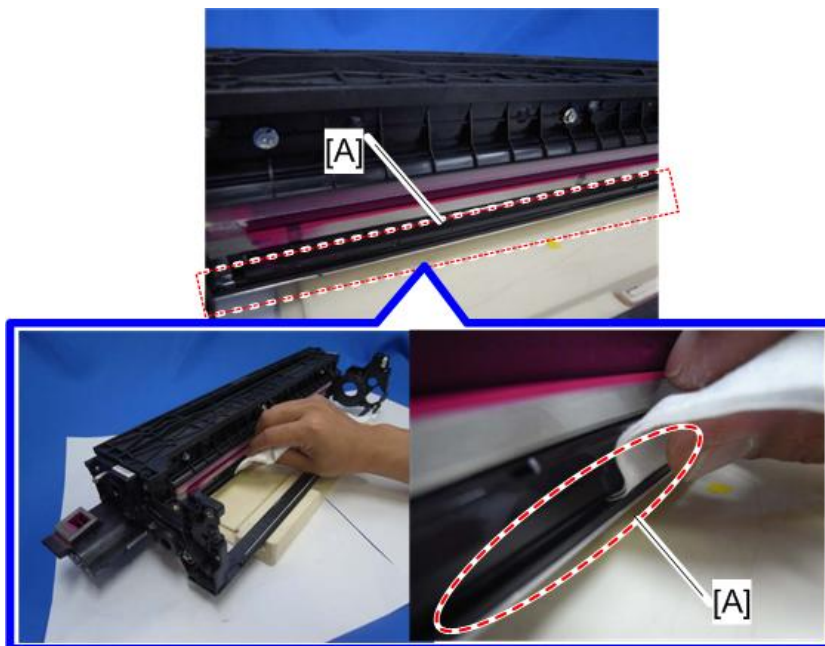
d257a8031

Developer

Development Unit

Do the following cleaning at 300k.

1. Development unit ([Development Unit](#))
2. Wipe off the toner at the toner receptacle [A] with a dry cloth.



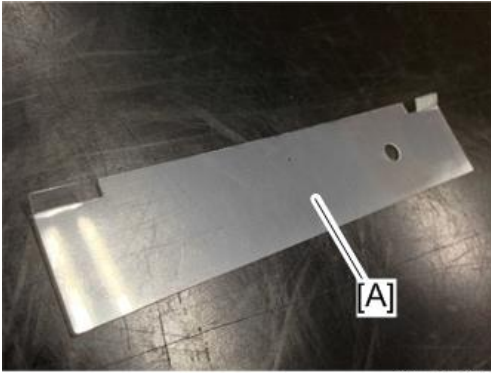
d1352687

3. Clean off the toner adhering around the unit with a dry cloth.

Doctor Gap

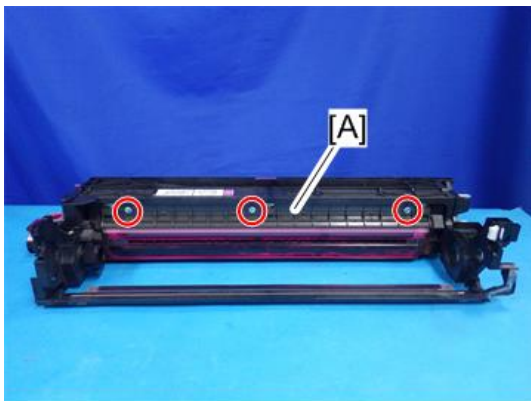
Note

Prepare the cleaning tool [A] (D0749547: DG CLEANER 5PCS/SET) in advance. This is a service part, and is not supplied with the machine with the accessories.



d257a7580

1. Remove the development unit. ([Development Unit](#))
2. Remove the bracket [A] from the development unit.



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3. Tilt the development unit 90 degrees so that the left side (viewed from the front) faces the bottom. Then rotate the development roller in the direction indicated with the arrow (counterclockwise viewed from rear) until the loose developer on the roller surface is removed.



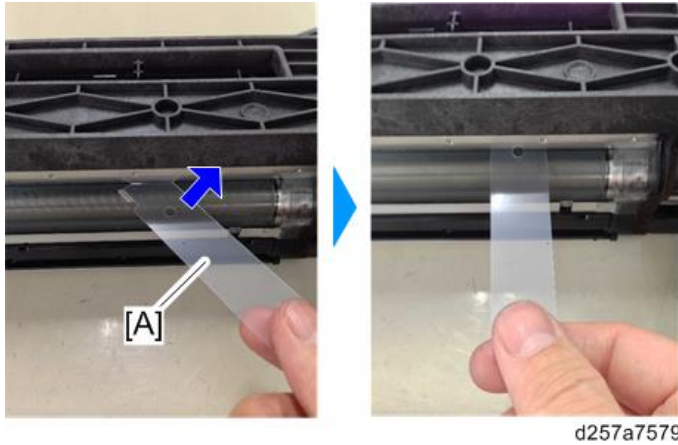
d257a7578

★ Important

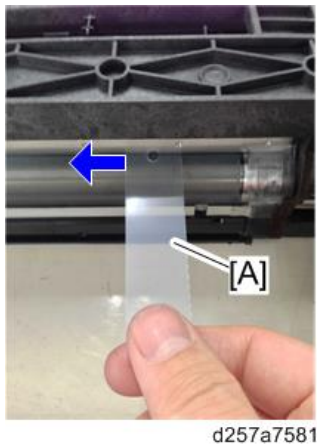
Do not rotate the development roller in the opposite direction because this will cause the Mylar to get sucked into the roller.

3.Preventive Maintenance

4. Insert the corner of the cleaning tool [A] without the folded tab into the doctor gap. The tab scrapes off the toner/dust adhered to the doctor blade as you slide the cleaning tool across the doctor gap.

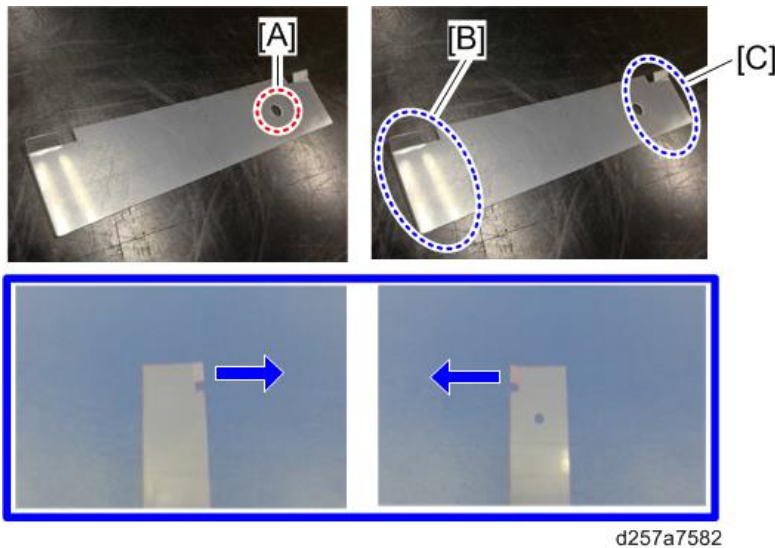


5. Slide the cleaning tool [A] from right to left. Keep it level as you slide it, to prevent scratches on the development roller.



ⓘ Note

Both ends of the cleaning tool can be used. Locate the hole [A] on the cleaning tool. Slide the cleaning tool from right to left when inserting the end that has the hole. Slide the cleaning tool from left to right when using the other end.



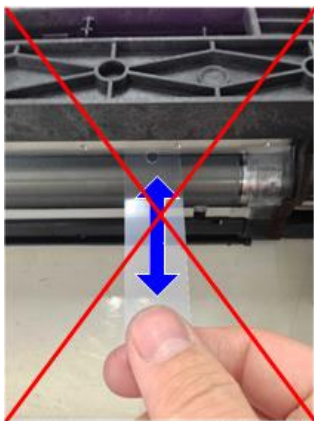
d257a7582

- [B]: Use this end to slide the cleaning tool from left to right.
- [C]: Use this end to slide the cleaning tool from right to left.

★ Important

Make sure to note the following points to prevent scratches on the surface of the development roller.

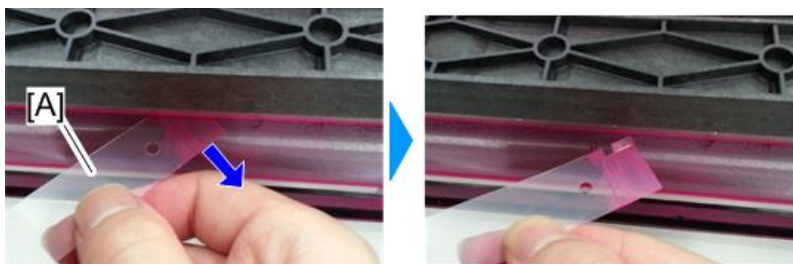
- Do not push or pull the cleaning tool.



d257a7583

- Do not press the cleaning tool against the development roller with your thumb.
- Do not touch the development roller with your fingers.

6. After sliding the cleaning tool [A] across the doctor gap, remove it by taking out the corner without the tab first.



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↓ Note

- For a thorough cleaning of the doctor gap, it is recommended to repeat the cleaning procedure 2 to

3.Preventive Maintenance

3 times.

- The cleaning tool can be used many times. Use the other end of the cleaning tool or use a new one when the tab becomes worn and jagged.

Toner Supply

Toner Supply Unit

- 1.** Open the toner supply unit front cover [A].



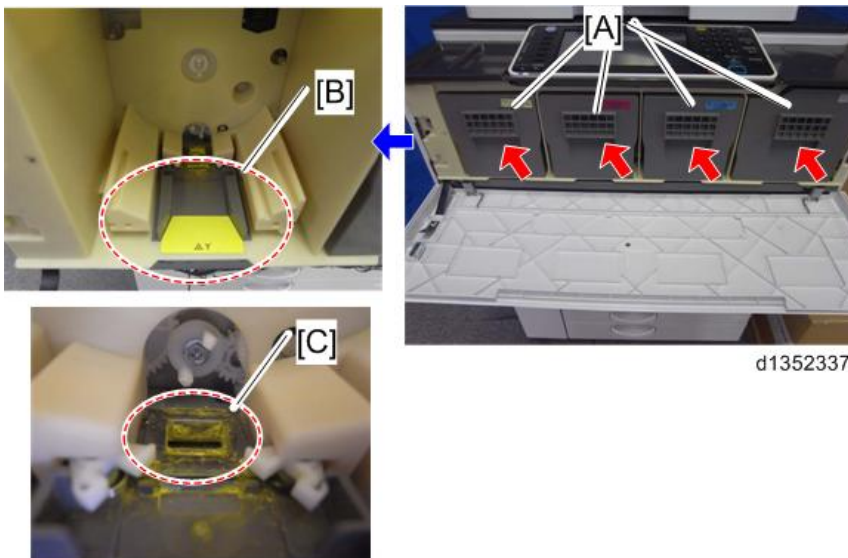
d1352239

- 2.** Remove the toner cartridge [A].

Clean the toner supply unit [B] with a damp cloth that has been wrung out.

Clean the sponge seal [C] of the supply port with a dry cloth.

e.g.: Y



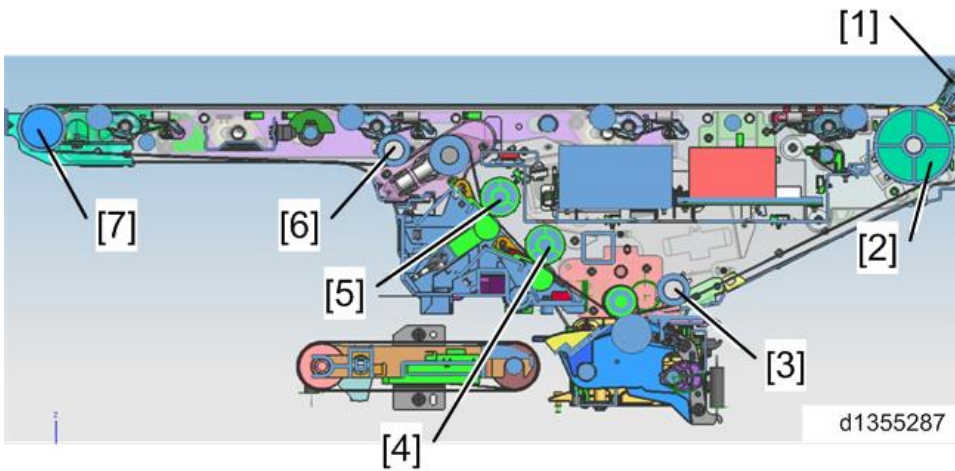
d1352337

Note

- In order to prevent the scattering of toner, do not use a blower brush to clean.

ITB Unit

As shown below, there are seven parts to clean at a certain interval.

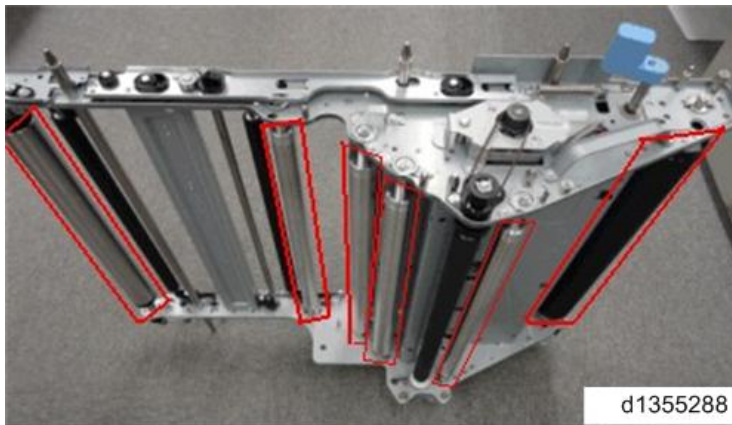


1. ID Sensor
2. ITB Drive Roller
3. Pre-Transfer Roller
4. ITB Cleaning Blade Counter Roller
5. ITB Lubricant Blade Counter Roller
6. Back-up Roller
7. ITB Driven Roller

Rollers

Rollers need cleaning every 1000k prints.

1. Transfer Belt ([ITB Replacement](#))
2. With a dry cloth, wipe each roller.



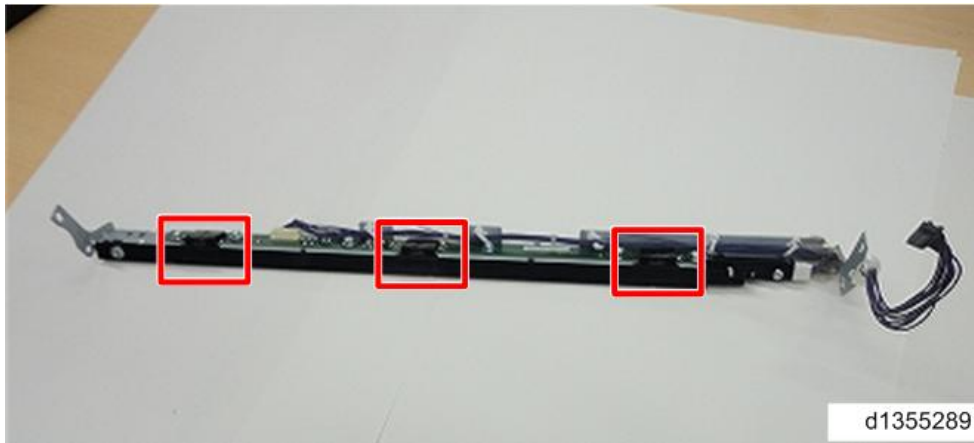
ID Sensor

Clean the ID sensor every 1000k prints.

1. Bracket with the ID sensor

3.Preventive Maintenance

2. With a damp cloth, wipe the ID sensor (three areas indicated below).



Fusing

Stripper Plates (Fusing/Pressure)

1. Pull the fusing unit out and then raise the stripper unit to open it.
2. With a dry cloth, wipe the circled areas shown below.

Fusing Stripper Plate: Clean the surface and the back.

Pressure Stripper Plate: Clean the seven pawls of the stripper plate.



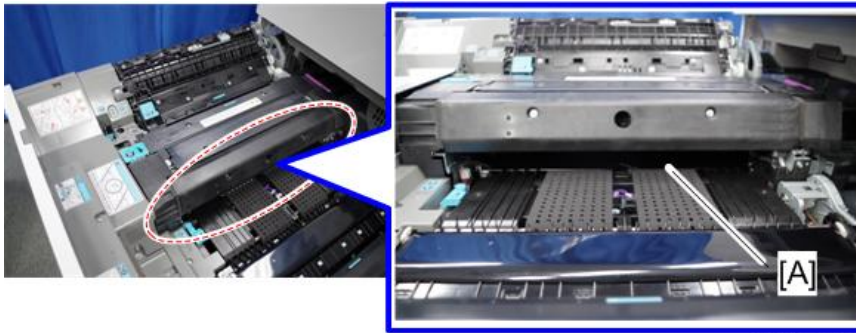
★ Important

- Do not wipe too strongly.

Fusing Entrance Guide

1. Pull the fusing unit out.

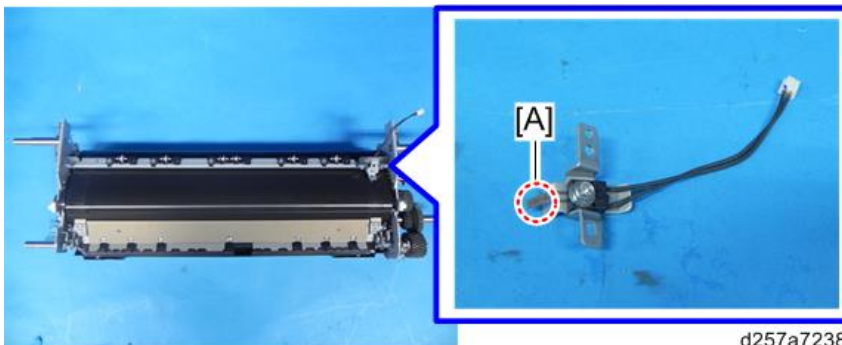
2. With a dry cloth, wipe the top of the fusing entrance guide [A].



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Thermistor (Fusing Belt)

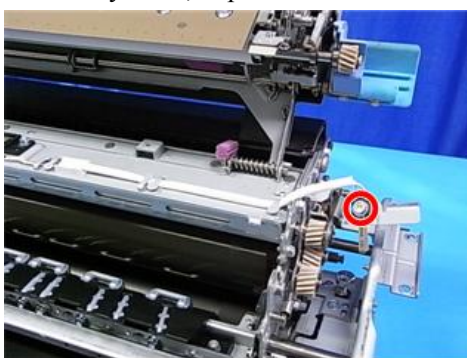
1. Remove the thermistor (Fusing Belt) ([Thermistor \(Fusing Belt\)](#))
2. With a dry cloth, wipe the thermistor (Fusing Belt) [A].



d257a7238

Thermistor (Hot Roller Shaft) (ProC5100S/5110S Only)

1. Access the thermistor (hot roller shaft) ([Thermistor \(Hot Roller Shaft\)](#))
2. With a dry cloth, wipe the circled area shown below.



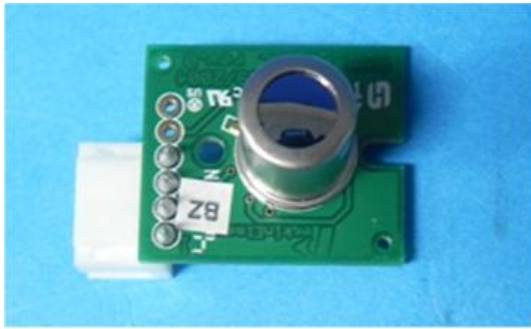
d1355163a

Thermopile

1. Access the thermopile. ([Thermopile \(Pressure Roller\)](#), [Thermopile \(Fusing Belt\)](#))

3.Preventive Maintenance

2. With a dry cloth, wipe the surface of the lens.



d257a8040

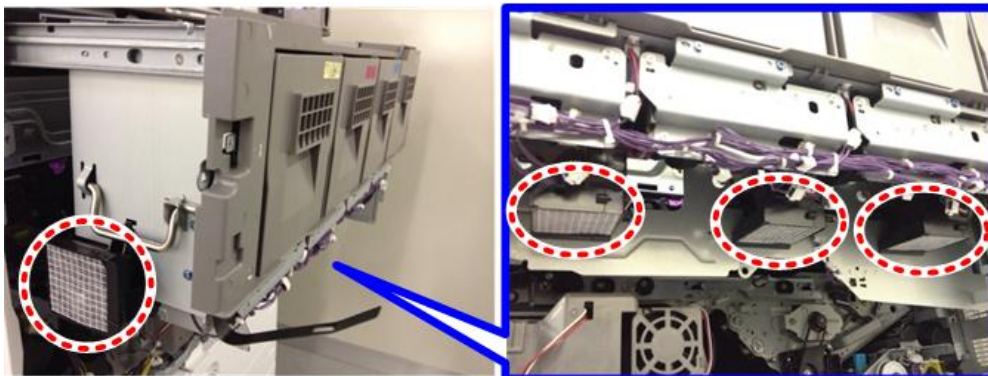
★ Important

- Do not wipe too strongly.

Other

Development Intake Dust Filter

1. Access the development intake filter. ([Development Intake Fans \(KCMY\)](#))
2. Clean the locations marked with a red circle below with some dry cloth.



d1351932

Pressure Roller Dust Filter (Pro C5200S/C5210S only)

1. Access the pressure roller intake filter. ([Fusing Pressure Roller Intake Fan \(Pro C5200S/C5210S only\)](#))
2. Clean the pressure roller dust filter [A] with some dry cloth.



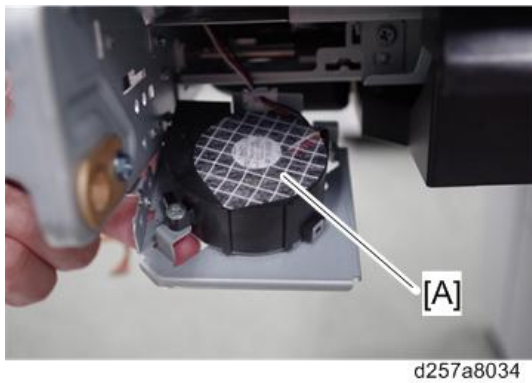
d257a8033

Paper Transfer Belt Cooling Fan (Front) Dust Filter

- 1.** Remove the drawer unit cover. (Drawer Unit Cover)
- 2.** Remove the paper transfer belt cooling fan (front) along with the bracket.



- 3.** With a dry cloth, clean the paper transfer belt cooling fan (front) dust filter [A].



Paper Feed

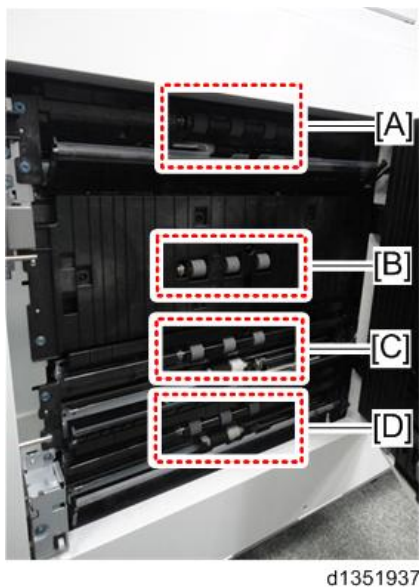
1st to 4th Transport Rollers (Drive/Idle)

- 1.** Open the vertical transport door [A].



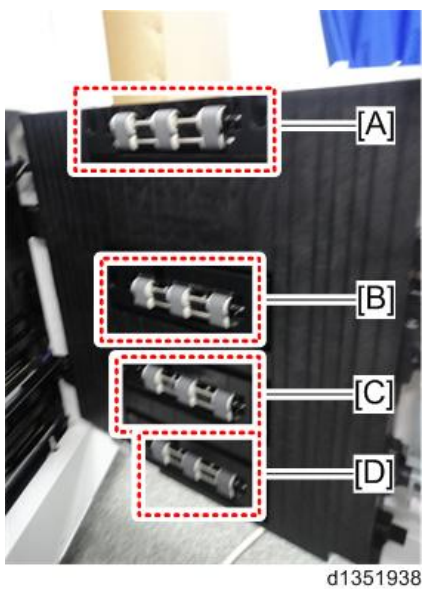
3.Preventive Maintenance

2. Wipe the 1st to 4th feed rollers (drive) with a damp cloth.



- [A]: 1st feed roller (drive)
- [B]: 2nd feed roller (drive)
- [C]: 3rd feed roller (drive)
- [D]: 4th feed roller (drive)

3. Wipe the 1st to 4th feed rollers (idle) with a damp cloth.



- [A]: 1st feed roller (idle)
- [B]: 2nd feed roller (idle)
- [C]: 3rd feed roller (idle)
- [D]: 4th feed roller (idle)

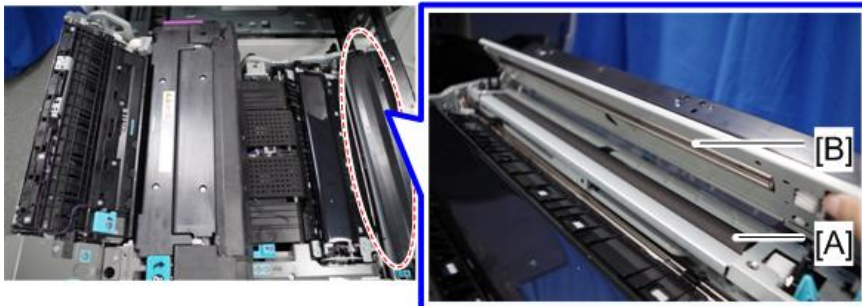
Registration Roller (Drive/Idle)

1. Pull out the drawer unit [A].



d1352123

2. Open the registration section and wipe the registration roller (drive/idle) with a damp cloth.

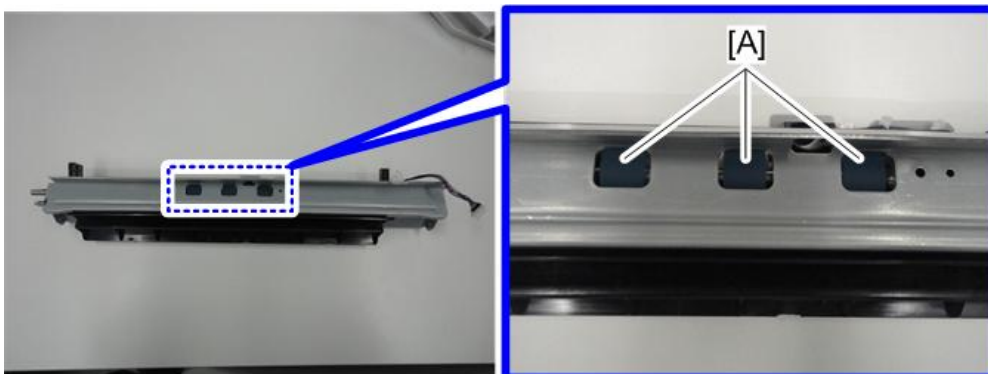


d257a8035

- [A]: Registration roller (Drive)
- [B]: Registration roller (Idle)

Relay Roller (Drive/Idle)

1. Remove the registration unit. ([Registration Unit](#))
2. Remove the relay unit. ([Relay Unit](#))
3. Wipe the relay roller (drive) [A] with a damp cloth.



d1351942

4. Remove the relay sensor. ([Relay Sensor](#))

3.Preventive Maintenance

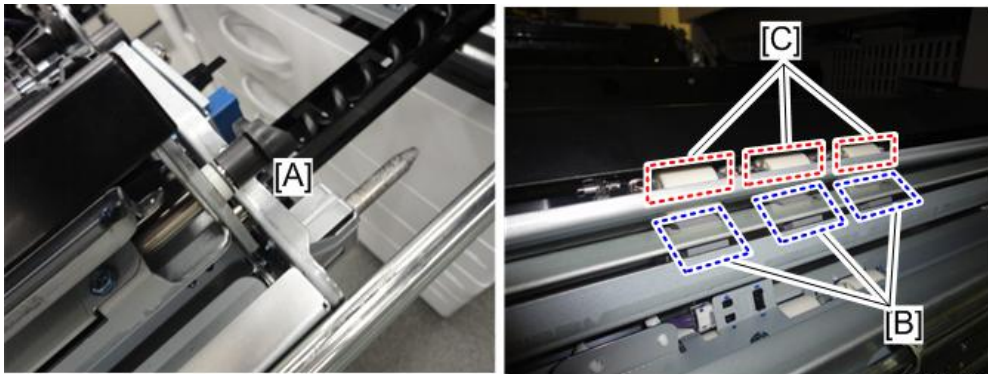
5. Wipe the relay roller (idle) [A] with a damp cloth.



d1351943

Bypass Relay Roller (Drive/Idle)

1. Pull out the drawer unit.
2. Wipe the bypass relay roller (drive/idle) with a damp cloth while rotating the joint [A].

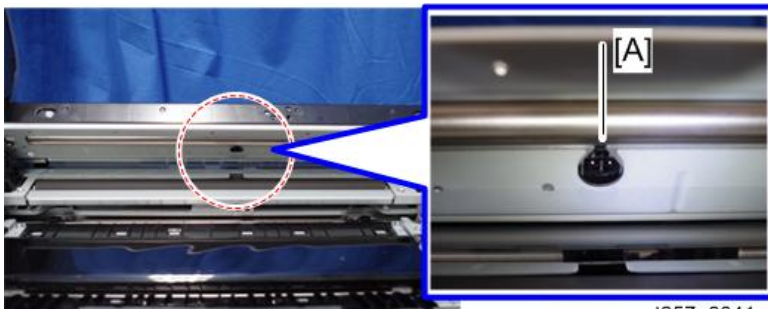


d1351941

- [B]: Bypass relay roller (Drive)
- [C]: Bypass relay roller (Idle)

Registration Sensor

1. Pull out the drawer unit.
2. Open the registration section and clean the registration sensor [A] with a dry blower brush.

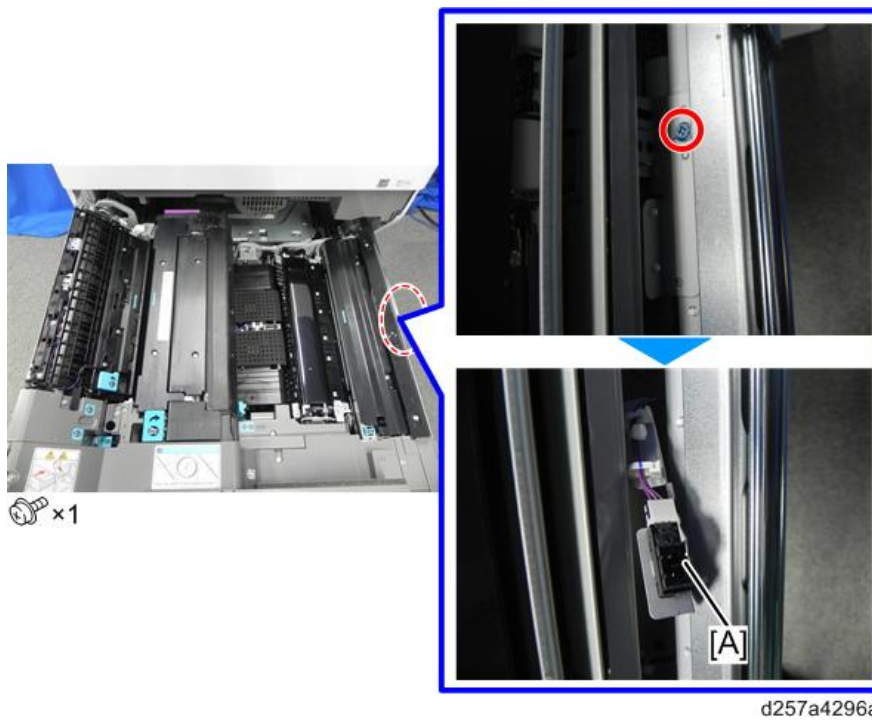


d257a8041

Relay Sensor

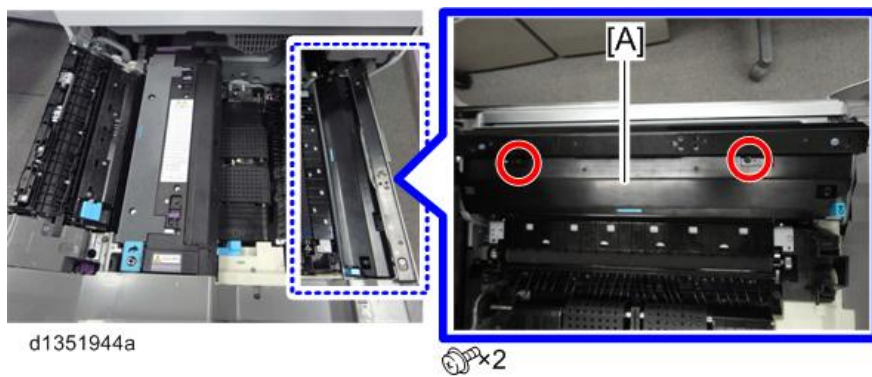
1. Open the drawer unit cover.

2. Clean the relay sensor [A] with a dry blower brush



Paper Dust Collection Unit

1. Pull out the drawer unit.
2. Remove the upper cover [A] of the paper dust collection unit.



3. Remove the paper dust, and then wipe the dust collection unit [A] with a dry cloth.

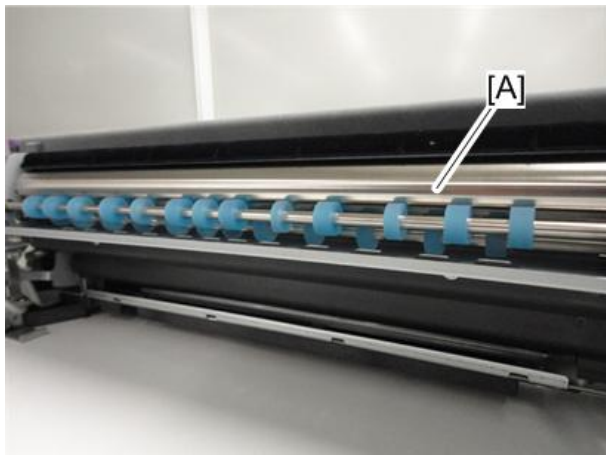


3.Preventive Maintenance

Duplex

Heat Pipe Roller

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Wipe the heat pipe roller [A] with a damp cloth.



d1351946

Heat Pipe Drive Roller

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Wipe the heat pipe drive roller [A] with a damp cloth.

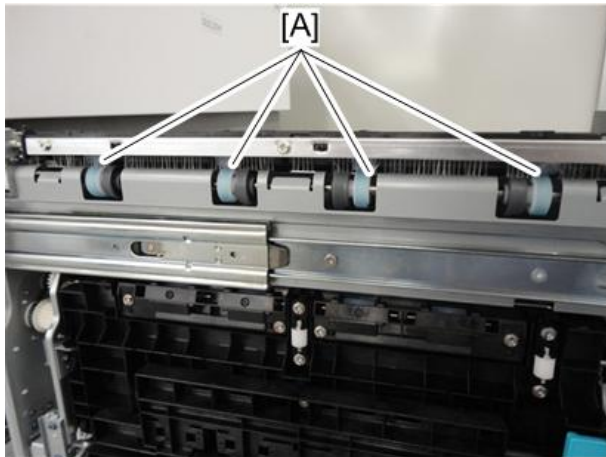


d1351947

Paper Exit Roller (Drive/Idle)

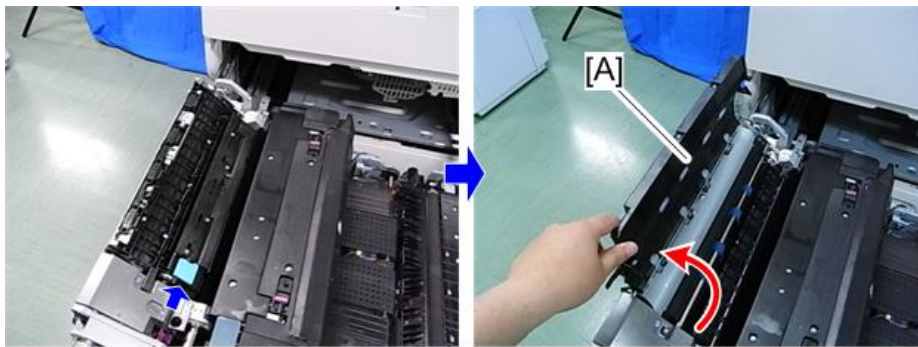
1. Pull out the drawer unit.

2. Wipe the paper exit roller (drive) [A] with a damp cloth.



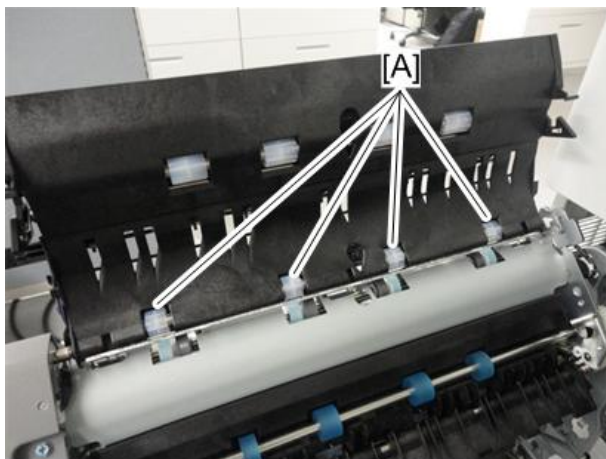
d1351948

3. Hold up the exit guide plate [A].



d1351949

4. Wipe the paper exit roller (idle) [A] with a damp cloth



d1351950

Note

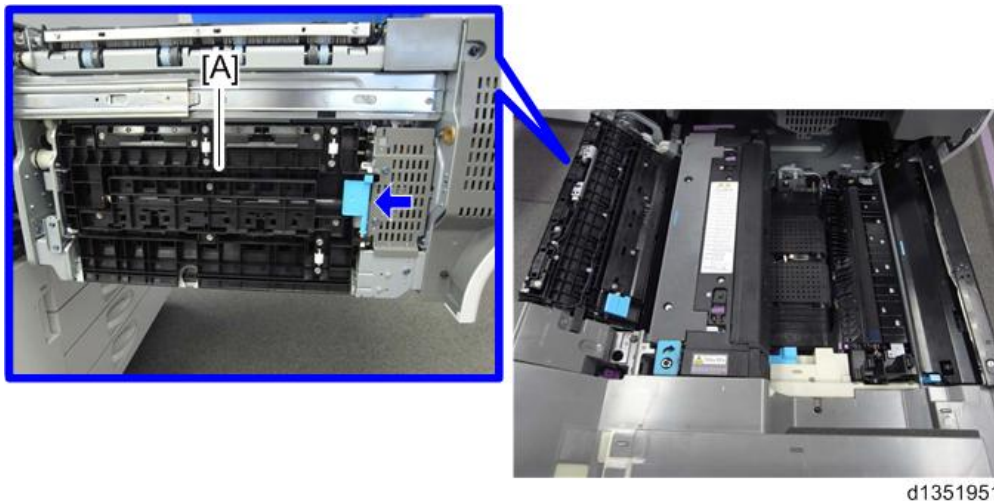
- When wipe the paper exit roller (idle), squeeze a damp cloth very well.

Inverter Feed Out Roller (Drive/Idle)

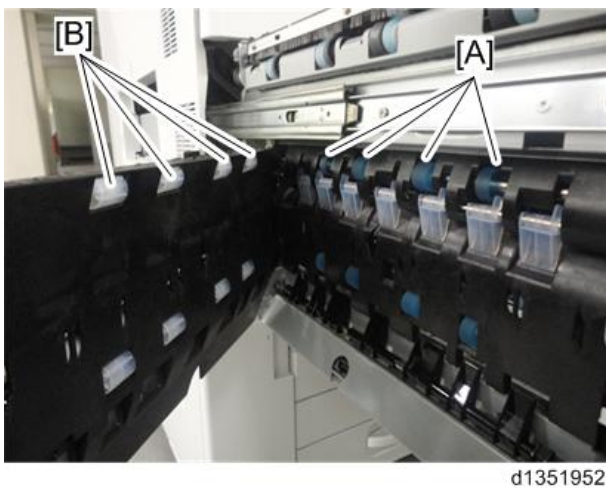
1. Pull out the drawer unit.

3.Preventive Maintenance

2. Open the paper exit feed guide plate [A].



3. Wipe the inverter feed out roller (drive/idle) with a damp cloth.



- [A]: Inverter feed out roller (Drive)
- [B]: Inverter feed out roller (Idle)

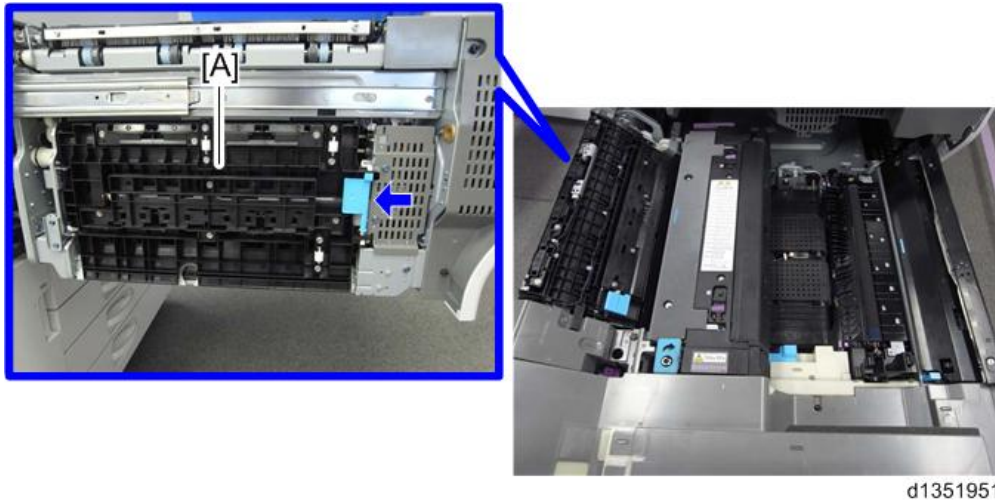
Note

- Before you wipe the inverter feed out roller (idle), squeeze the damp cloth very tightly.

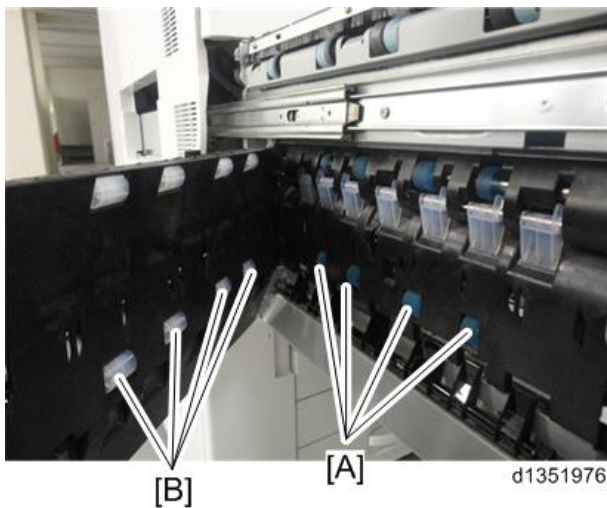
Inverter Exit Roller (Drive/Idle)

1. Pull out the drawer unit.

2. Open the paper exit feed guide plate [A].



3. Wipe the inverter exit roller (drive/idle) with a damp cloth.



- [A]: Inverter exit roller (Drive)
- [B]: Inverter exit roller (Idle)

Note

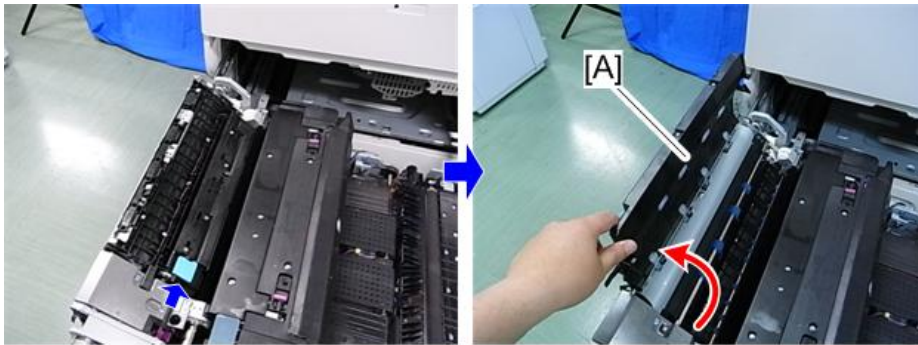
- Before you wipe the inverter exit roller (idle), squeeze the damp cloth very tightly.

Paper Exit Relay Roller (Drive/Idle)

1. Pull out the drawer unit.

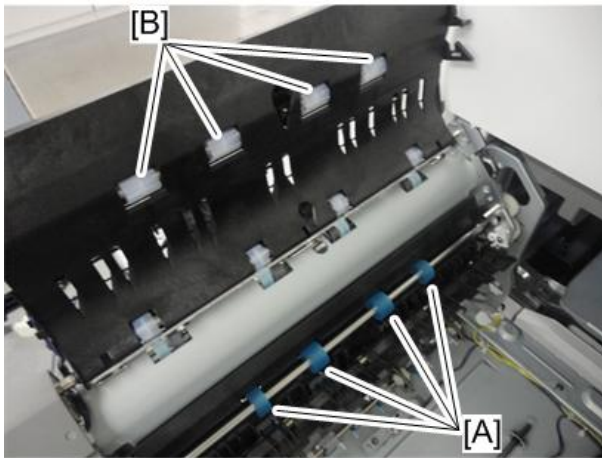
3.Preventive Maintenance

2. Hold up the exit guide plate [A].



d1351949

3. Wipe the paper exit relay roller (drive/idle) with a damp cloth.



d1351954

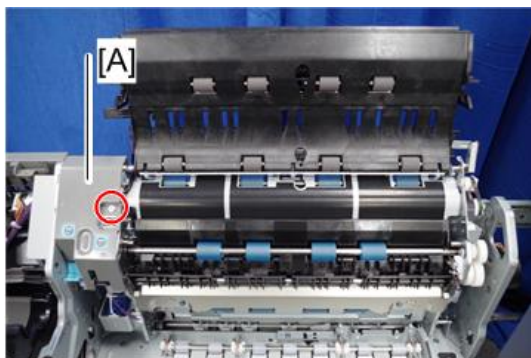
- [A]: Paper exit relay roller (Drive)
- [B]: Paper exit relay roller (Idle)

Note

- Before you wipe the paper exit relay roller (idle), squeeze the damp cloth very tightly.

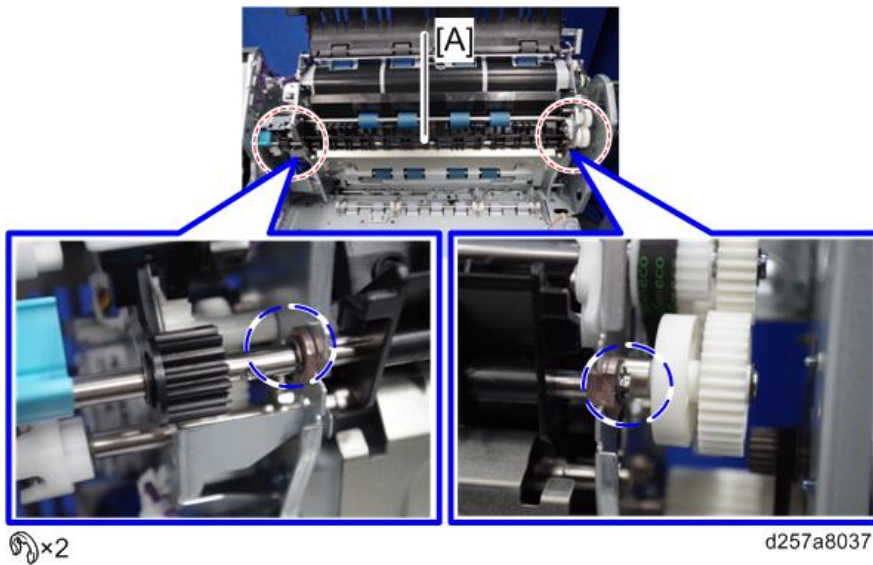
Inverter Feed In Roller (Drive/Idle)

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the cover [A].

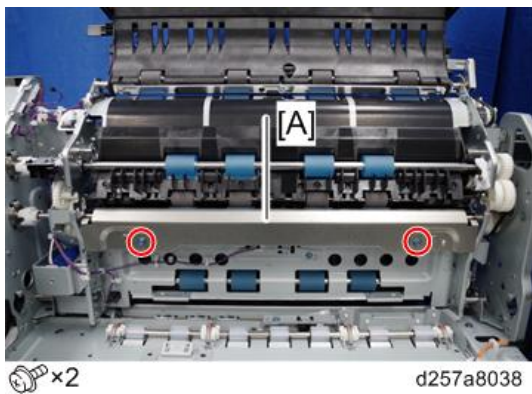


d257a8036

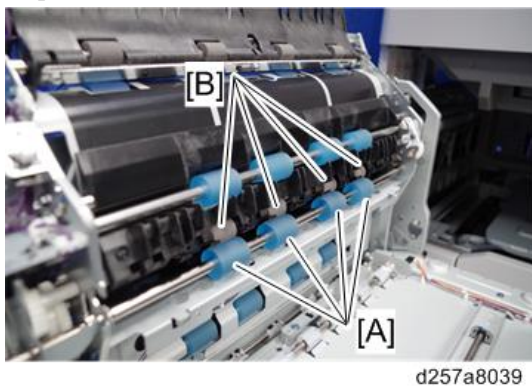
3. Remove the separation pawl [A].



4. Remove the guide plate [A].



5. Wipe the inverter feed roller (drive/idle) with a damp cloth.



- [A]: Inverter feed roller (Drive)
- [B]: Inverter feed roller (Idle)

Note

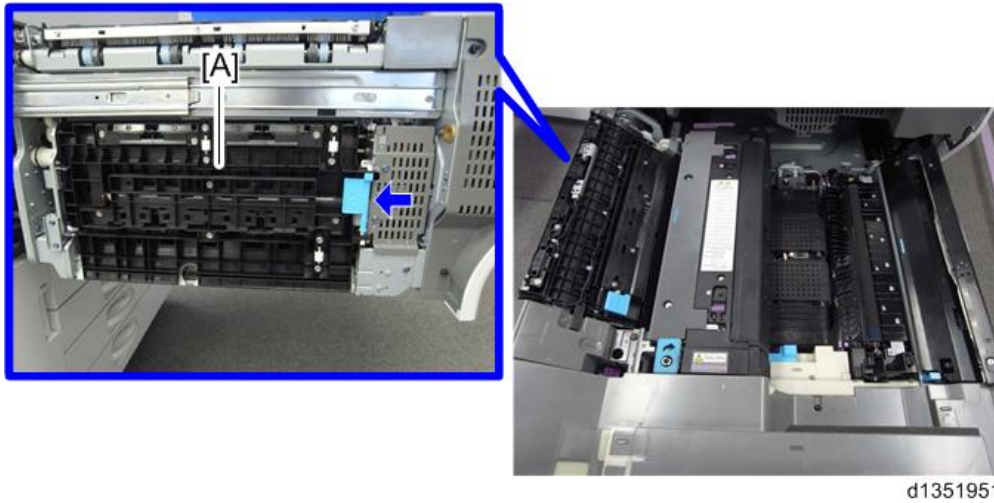
- Before you wipe the inverter feed roller (idle), squeeze the damp cloth very tightly.

Exit Transport Guide Plate (Upper/Middle/Left)

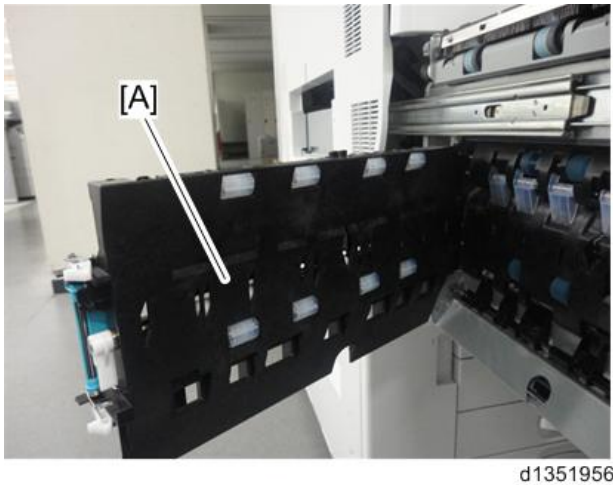
1. Pull out the drawer unit.

3.Preventive Maintenance

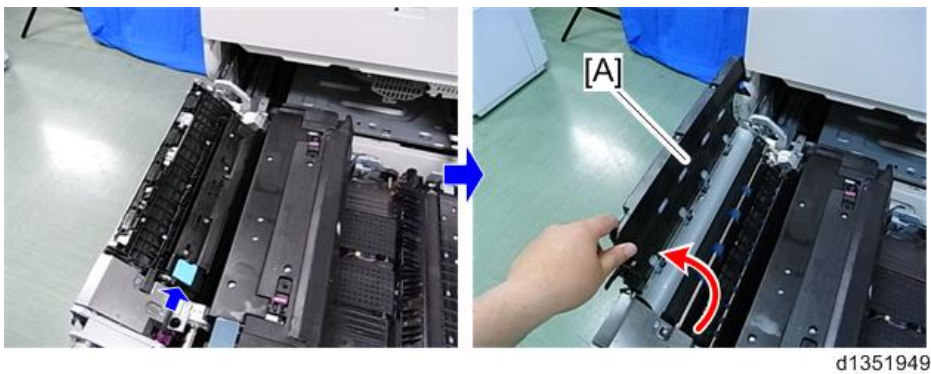
2. Open the reverse guide plate [A].



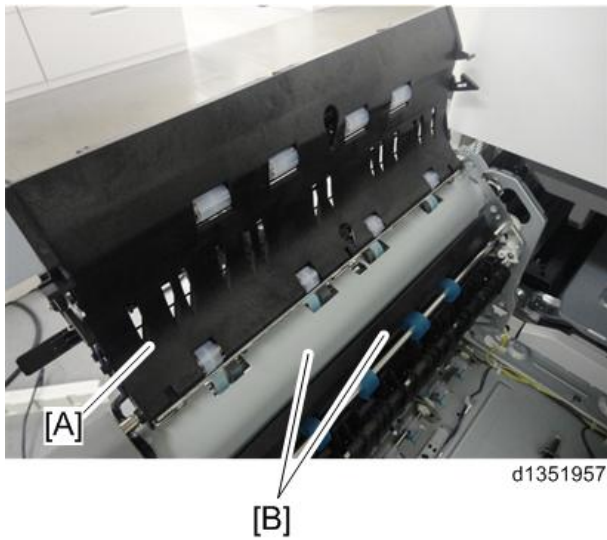
3. Open the paper exit feed guide plate.
4. Wipe the paper exit feed guide plate (left) [A] with a dry cloth.



5. Hold up the paper exit guide plate [A].



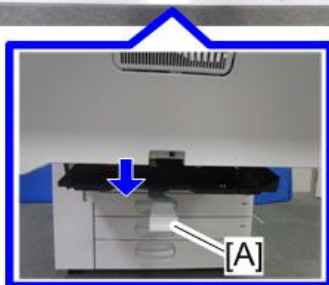
6. Wipe the paper exit feed guide plate (upper/middle) with a dry cloth.



- [A]: Paper exit feed guide plate (Upper)
- [B]: Paper exit feed guide plate (Middle)

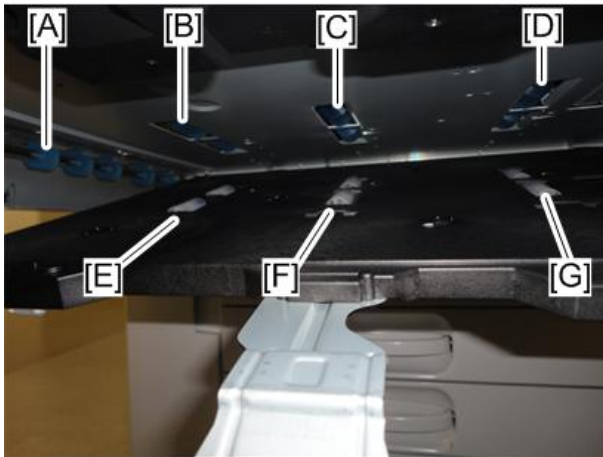
1st to 4th Duplex Feed Rollers (Drive/Idle)

1. Pull out the drawer unit.
2. Push down the guide plate [A].



3. Preventive Maintenance

3. Wipe the 1st to 4th duplex feed rollers (drive) and the 2nd to 4th duplex feed rollers (idle) with a damp cloth.

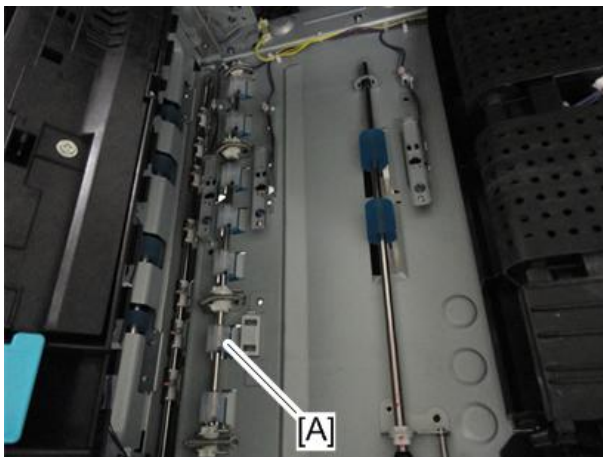


d1351959

- [A]: 1st duplex feed roller (Drive)
- [B]: 2nd duplex feed roller (Drive)
- [C]: 3rd duplex feed roller (Drive)
- [D]: 4th duplex feed roller (Drive)
- [E]: 2nd duplex feed roller (Idle)
- [F]: 3rd duplex feed roller (Idle)
- [G]: 4th duplex feed roller (Idle)

4. Remove the fusing unit. ([Removing the Fusing Unit](#))

5. Wipe the duplex feed roller 1st (idle) [A] with a damp cloth.

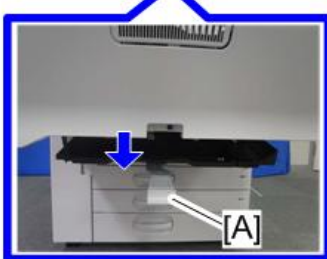


d1351960

Duplex Exit Roller (Drive/Idle)

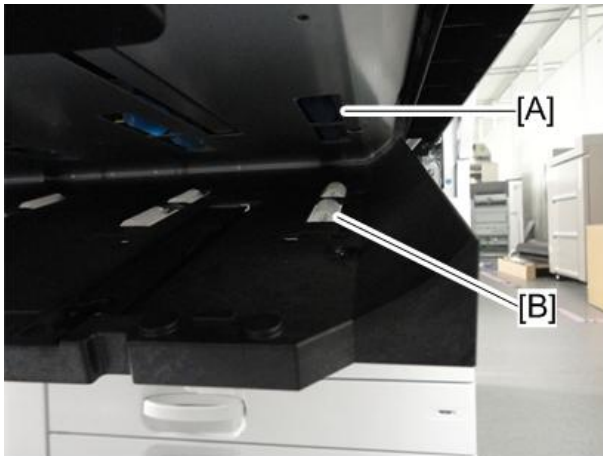
1. Pull out the drawer unit.

2. Push down the guide plate [A].



d1351958

3. Wipe the duplex exit roller (drive/idle) with a damp cloth.



d1351961

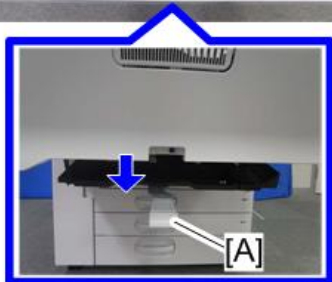
- [A]: Duplex exit roller (Drive)
- [B]: Duplex exit roller (Idle)

Transport Guide Plate (Upper/Lower)

1. Pull out the drawer unit.

3.Preventive Maintenance

2. Push down the guide plate [A].



d1351958

3. Wipe the transport guide plate (upper/lower) with a damp cloth.



d1351962

- [A]: Transport guide plate (Upper)
- [B]: Transport guide plate (Lower)

Purge Guide Plate (Lower)

1. Open the purge door [A].



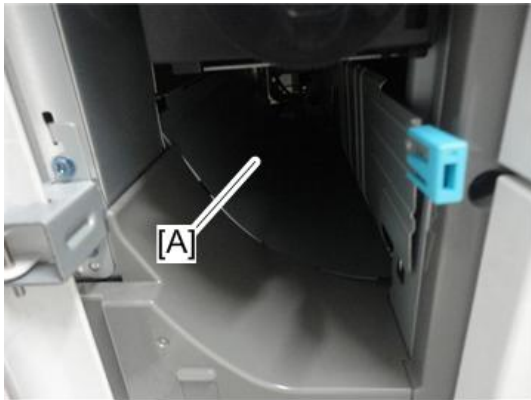
d1351963

2. Move the purge guide plate (lower) [A] to the upright position.



d1351964

3. Wipe the area [A] under the transport guide plate (lower) with a damp cloth.



d1351965

4. Replacement and Adjustment

Notes on the Main Power Switch

Push Switch

The main power button of this machine has been changed to a push-button switch (push button) from the conventional rocker switch. The push switch has characteristics and specifications different from the rocker switch. Care must be taken when replacing and adjusting parts.

Characteristics of the Push Switch (DC Switch)

Power is supplied to the machine even when the main power switch is turned OFF.

The push switch in this machine uses DC (direct current). Therefore, if the AC power cord is connected to an electrical outlet, power is supplied to the controller board, the operation unit and other modules even when the main power is turned OFF. When replacing the controller board and the operation unit in this state, it will damage these boards and other electrical components.

So, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always unplug the AC power cord.

When you disconnect the power cord from the AC wall outlet, inside the machine there is still residual charge.

When you disconnect the power cord from the AC wall outlet, inside the machine for a while there is still residual charge. Therefore, if you remove boards in this state, it can cause a blown fuse or memory failure.

- How to remove the residual charge inside the machine
After you unplug the power cord from the AC wall outlet, in order to remove the residual charge from inside the machine, be sure to press the main power switch. Thus, the charge remaining in the machine is released, and it is possible to remove boards.

When you reconnect the AC power cord into an AC wall outlet, the machine will start automatically.

In order to remove the residual charge, push the main power switch while you disconnect the AC power cord. At that time, the power ON flag inside the machine is set. Therefore, after you finish work on the machine and reconnect the power cord to the AC, even if you do not press the main power switch, the machine will start automatically and the moving parts will begin to move. **When working on moving parts, be careful that fingers or clothes do not get caught.**

Note

- Automatic restart deals with cases when you accidentally unplugged the AC power cord or unexpected power outages. By keeping the power flag ON, after the resumption of power, the machine will start up automatically.

In rare cases, when you reconnect the AC power cord to a power outlet, the machine does not start automatically.

In this case, the machine has not failed. The cause is due to the timing of releasing the residual charge. If you press the main power switch while the residual charge was already released, the power ON flag will not be set. At this time, start the machine manually by pressing the main power switch.

★ Important

- If an option that is powered independently from a different power source, i.e. the Multi-Folding Unit FD4000 (for MP C6503/C8003, Pro C5200S/C5210S) or the Buffer Pass Unit Type 5020 (for Pro C5200S/C5210S), is included in the configuration, always follow the procedure below when reconnecting the AC power cord into an AC wall outlet after disconnecting it and pressing the main power switch to release the charge. If you do not follow the procedure below, the option that is powered independently will not be recognized by the copier and paper jams will occur.
 1. Connect the AC power cord of the option into an AC wall outlet, and then connect the AC power cord of the copier into an AC wall outlet.
 2. After the copier starts up automatically, press the main power switch of the copier again to power the machine off and on, and then run a copy job to check the operation.

Shutdown Method

1. Press the main power switch [A] on the left side of the machine.
2. Take out the power cord
3. Wait 3 minutes (this is the time required if you will remove the rear cover and access the interior of the machine, to take out the controller board for example).

Note: If some LEDs on any of the boards are blinking or lit, current is still flowing.

After the shutdown process, the main power is turned off automatically.



When the shutdown is complete:

Main power LED: Off

Operation panel LED: Off

↓ Note

- To start the machine, press the main power switch. However, if you press the main power switch between the beginning and the end of a shutdown, the machine will not start.

Forced Shutdown

In case normal shutdown does not complete for some reason, the machine has a forced shutdown function.

4.Replacement and Adjustment

To make a forced shutdown, press and hold the main power switch for 6 seconds.

In general, do not use the forced shutdown.

Important

- Forced shutdown may damage the hard disk and memory, and can cause damage to the machine. Use a forced shutdown only if it is unavoidable.

Special Tools and Lubricants

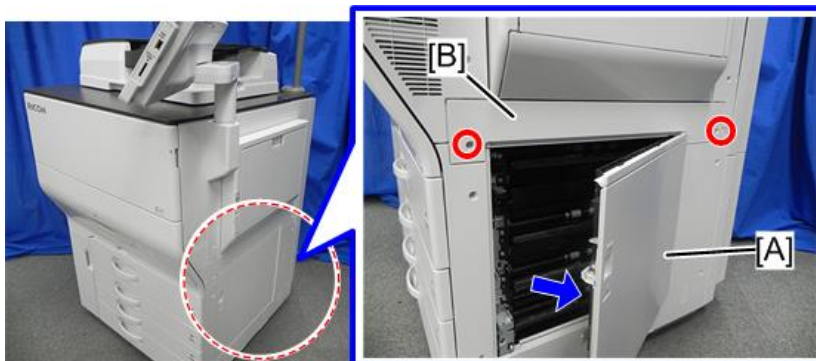
Item	Part Number	Description	Q'ty
1	D0159501	ZINC STEARATE	1
2	D0159500	G104 YELLOW TONER	1
3	VSSG9002	FLUOTRIBO MG GREASE : 100G	1
4	B6455020	SD Card : 1GB	1
5	B6455030	SD Card : 2GB	1
6	B6455040	SD Card : 8GB	1
7	C4019503	20X Magnification Scope	1
8	A0929503	C4 Color Test Chart (3 pcs/set)	1
9	A2579300	Grease Barrierta – S552R	1
10	A1849501	OPTICS ADJUSTMENT TOOL	2
11	D0747690	BRUSH:BLOWER	1
12	D0149800	GREASE-KS660B	1
13	A2579100	SILICONE OIL TYPE SS	1
14	VSSG9006	MOLYKOTE(R) G-1077 GREASE 50G	1

Exterior Covers

Right Cover

Right Middle Front Cover (Pro C5200S/C5210S)

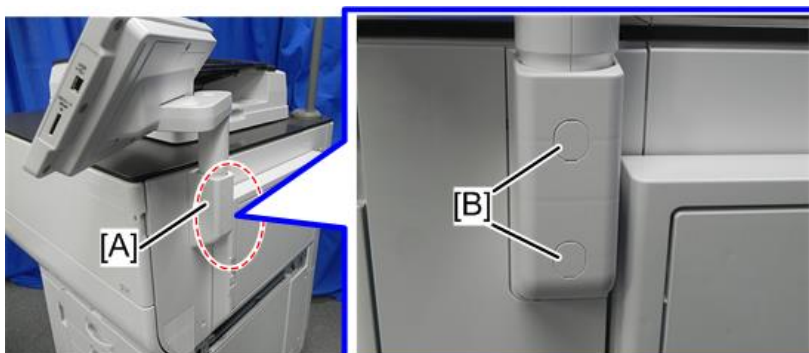
1. Open the vertical transport door [A]. Remove the LCIT cover [B].



 x2

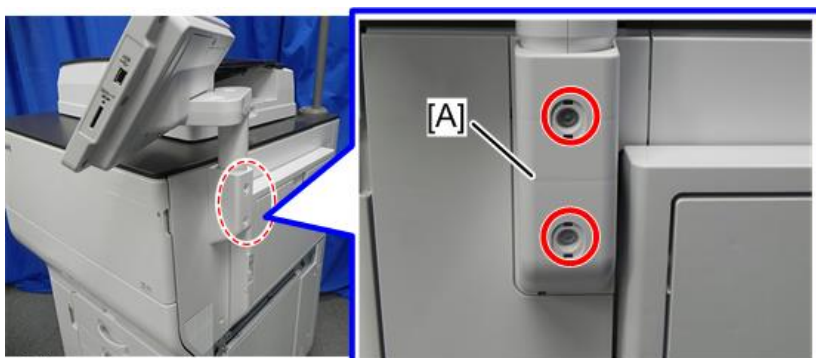
d257a4009

2. Remove the screw covers [B] on the arm cover [A] of the operation panel.



d257a4010

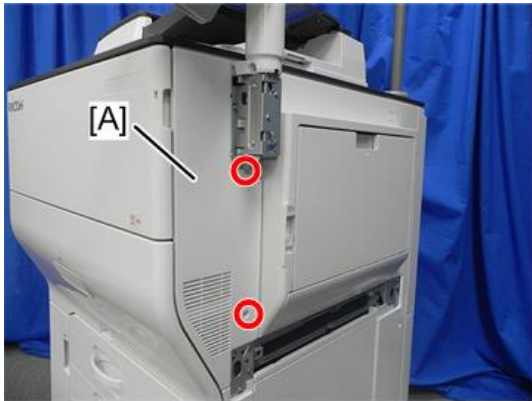
3. Remove the arm cover [A] of the operation panel.



 x2

d257a4011

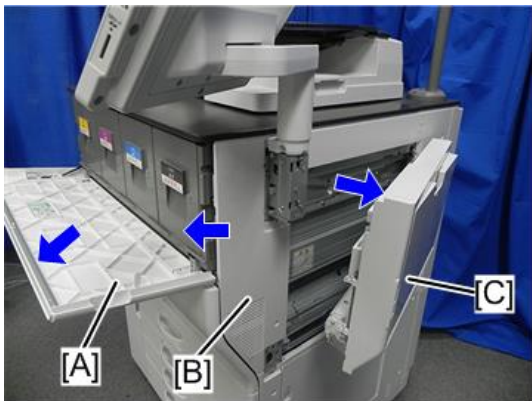
4. Remove the fixing screws of the right middle front cover [A].



 ×2

d257a4012

5. Open the toner supply unit front cover [A] and bypass tray unit [C]. Slide the right middle front cover [B] to the left.

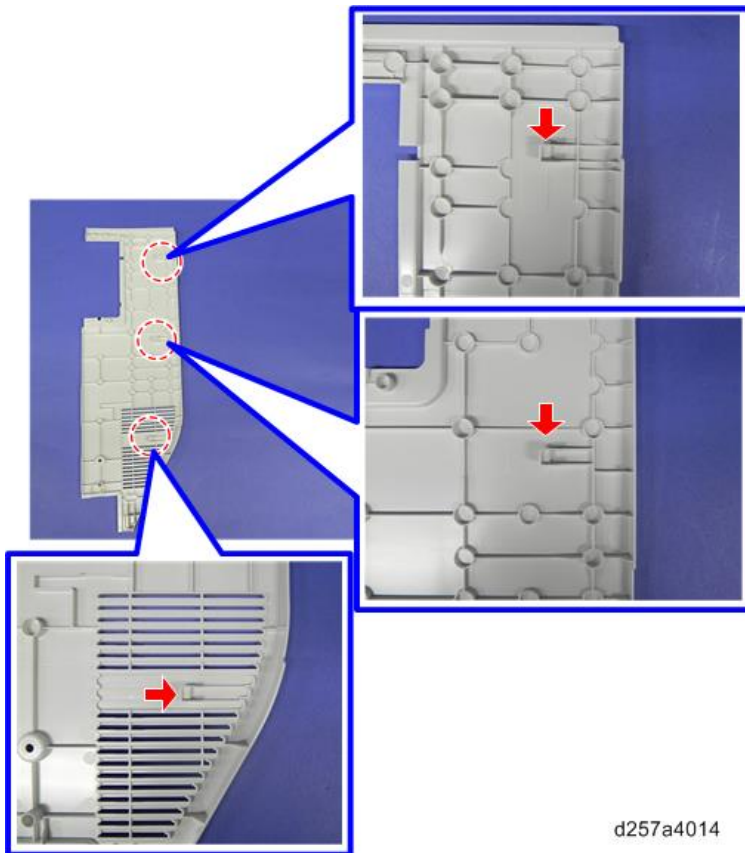


d257a4013

4.Replacement and Adjustment

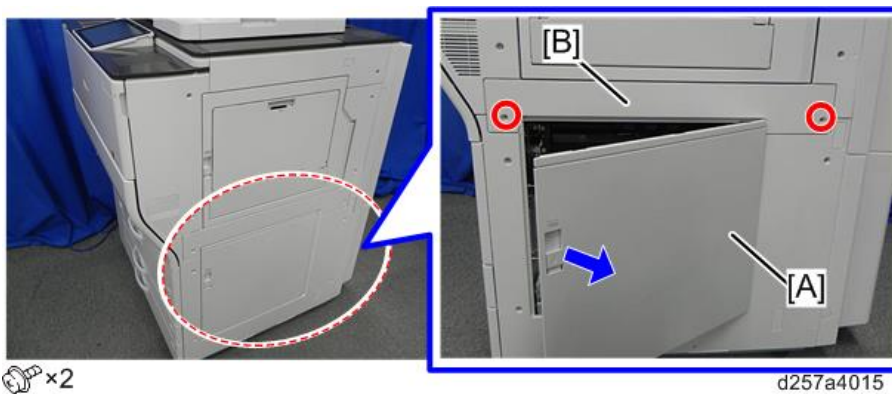
Note

- Check the position of the hooks in the photo below before removing.

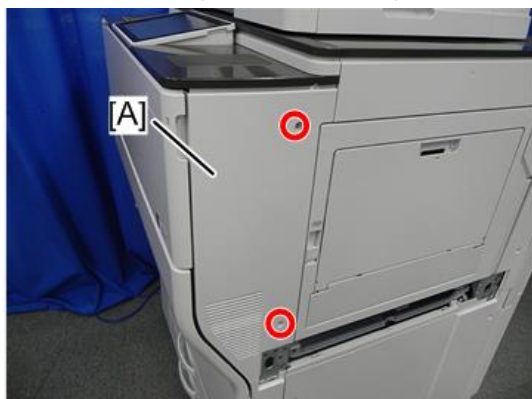


Right Middle Front Cover (MP C6503/C8003)

1. Open the vertical transport door [A]. Remove the LCIT cover [B].



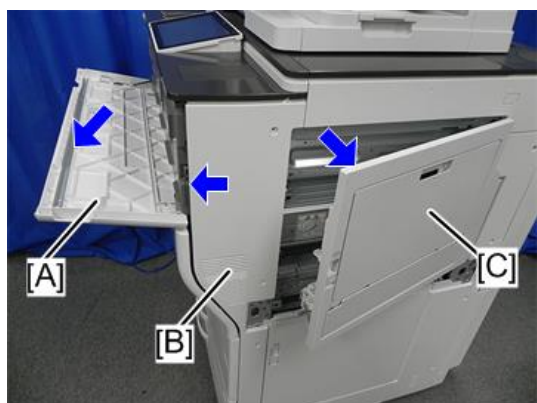
2. Remove the fixing screws of the right middle front cover [A].



×2

d257a4016

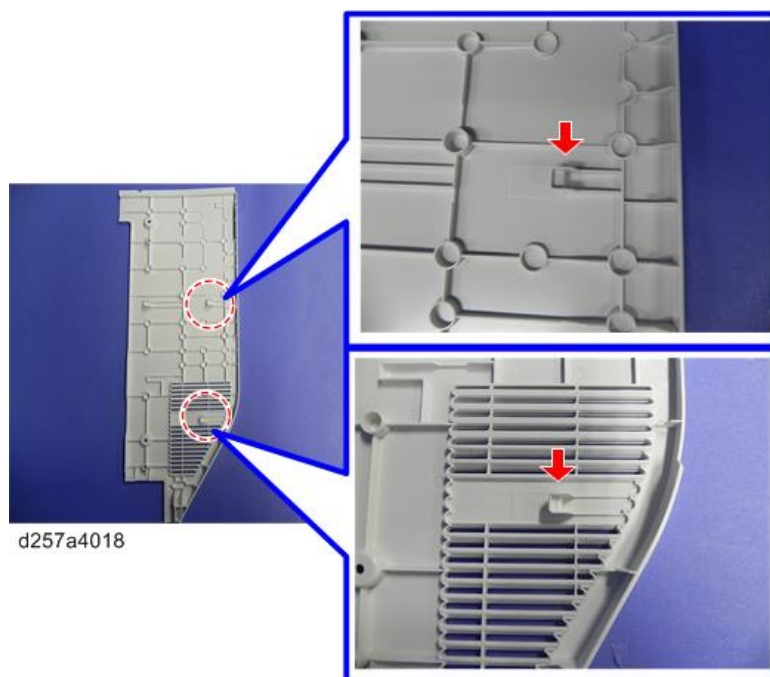
3. Open the toner supply unit front cover [A] and bypass tray unit [C]. Slide the right middle front cover [B] to the left.



d257a4017

Note

- Check the position of the hooks in the photo below before removing.

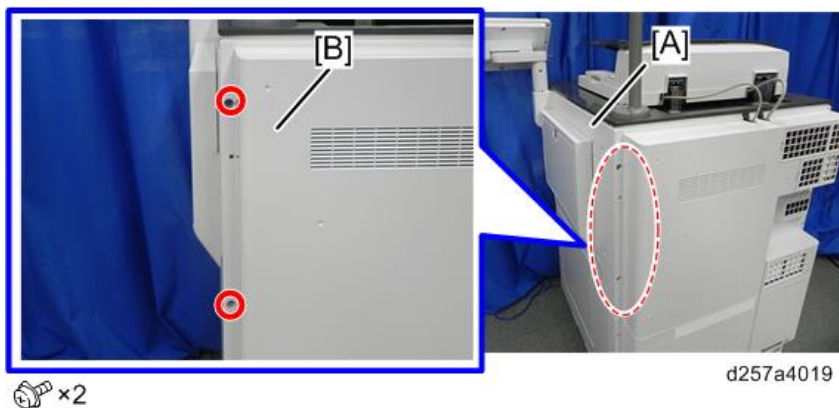


d257a4018

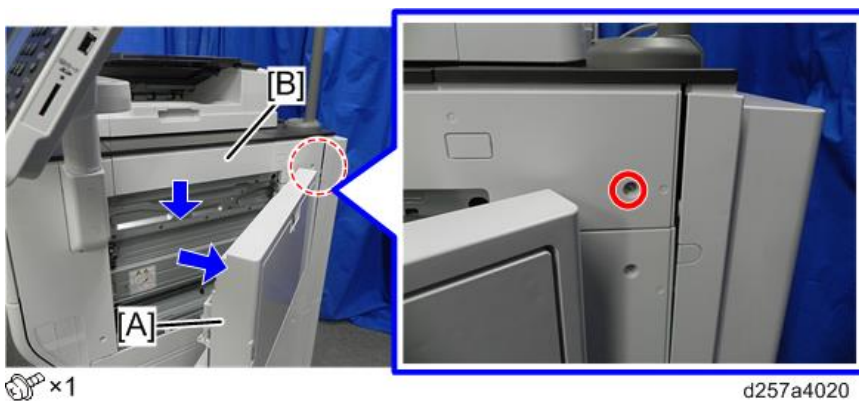
4.Replacement and Adjustment

Right Middle Upper Cover (Pro C5200S/C5210S)

1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the left side of the rear middle cover [B].

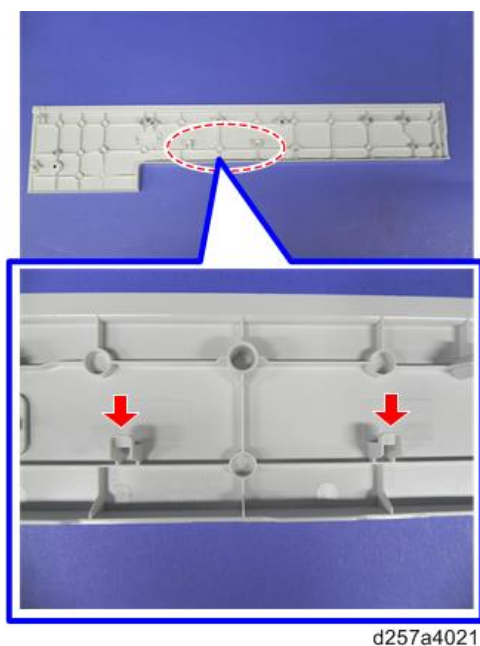


2. Open the bypass tray unit [A]. Remove the right middle upper cover [B], moving it downward.



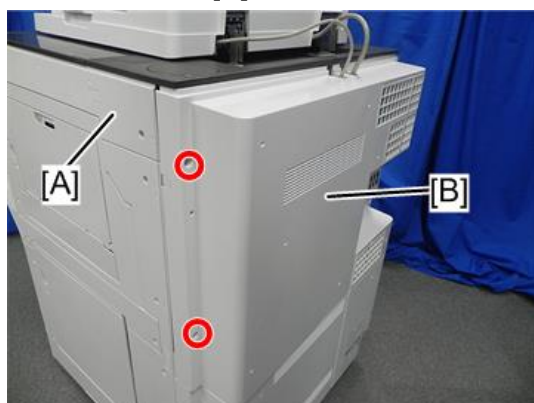
Note

- Check the position of the hooks in the photo below before removing.



Right Middle Upper Cover (MP C6503/C8003)

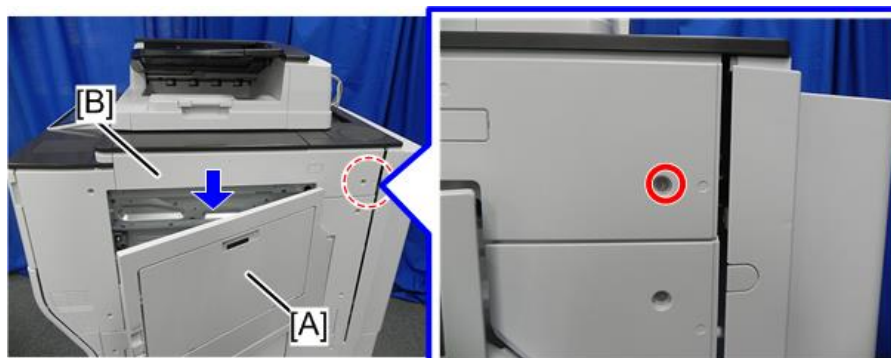
1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the left side of the rear middle cover [B].



 x2

d257a4022

2. Open the bypass tray unit [A]. Remove the right middle upper cover [B], moving it downward.

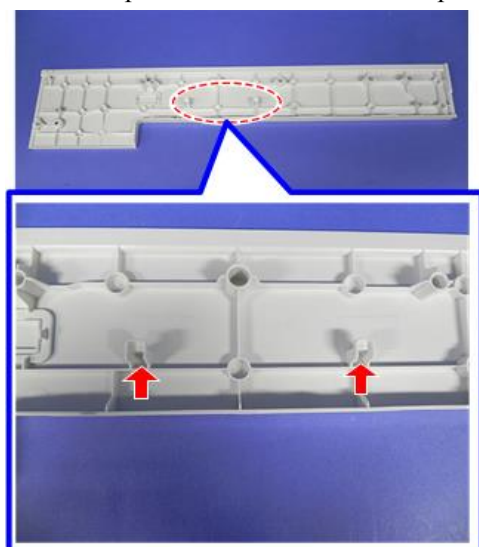


 x1

d257a4023

 Note

- Check the position of the hooks in the photo below before removing



d257a4024

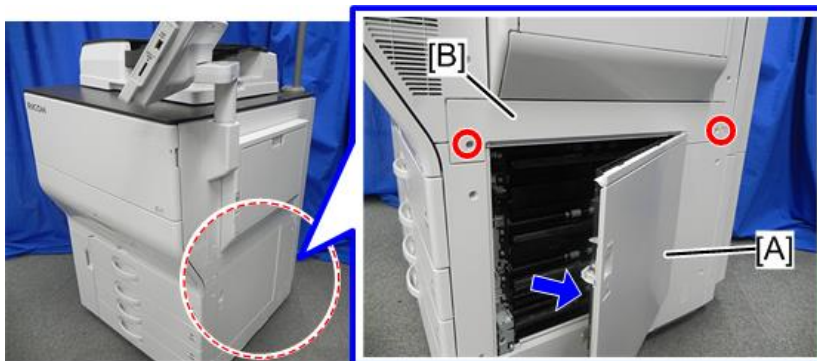
Right Middle Rear Cover (Pro C5200S/C5210S)

1. Remove the right middle upper cover (Pro C5200S/C5210S). ([Right Middle Upper Cover \(Pro](#)

4.Replacement and Adjustment

C5200S/C5210S))

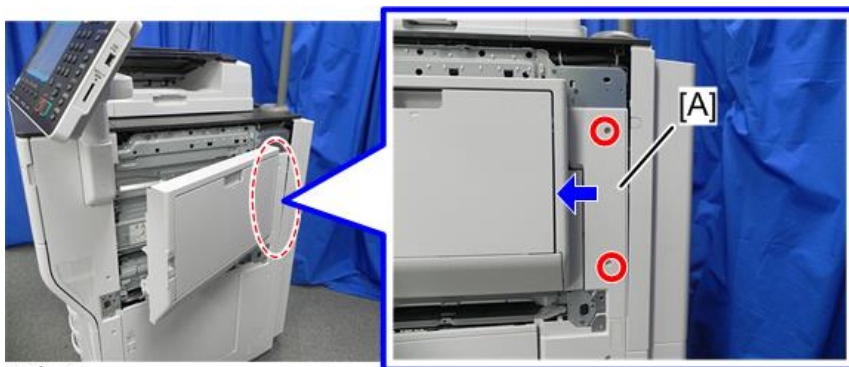
2. Open the vertical transport door [A]. Remove the LCIT cover [B].



🔧 x2

d257a4009

3. Slide the right middle rear cover [A] to the left.

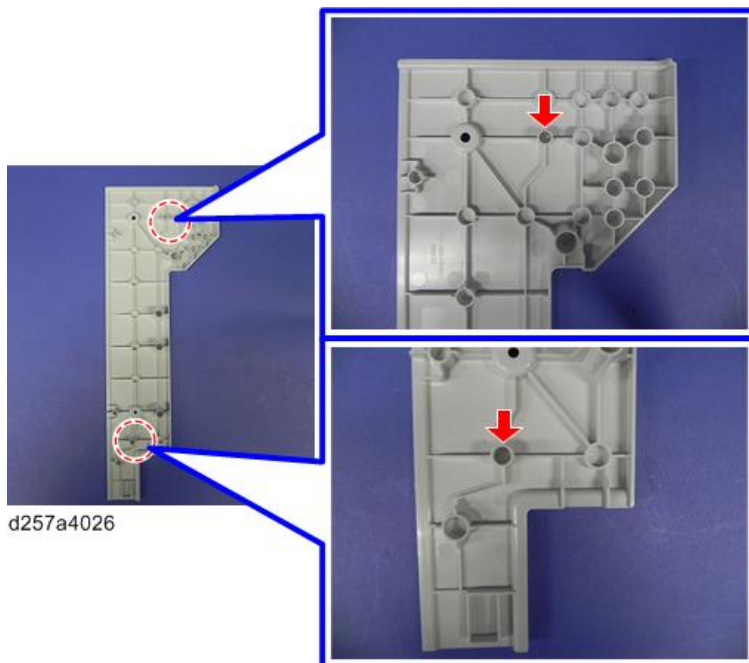


🔧 x2

d257a4025

Note

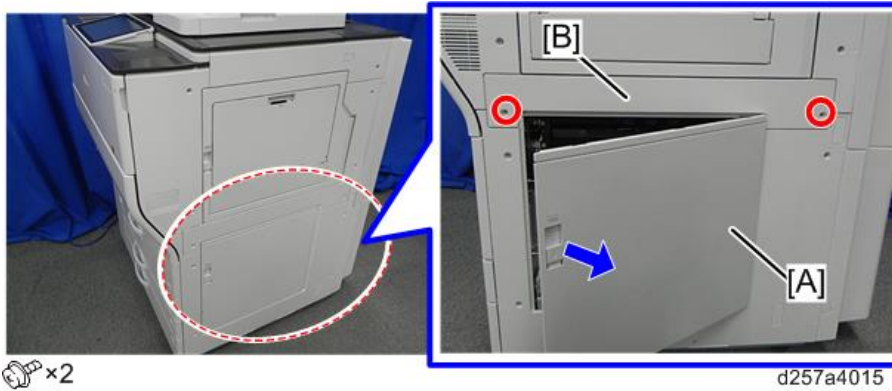
- Check the position of the hooks in the photo below before removing.



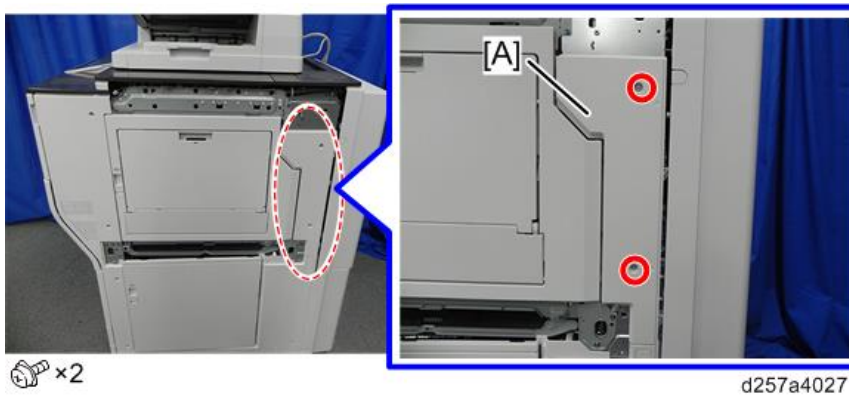
d257a4026

Right Middle Rear Cover (MP C6503/C8003)

1. Remove the right middle upper cover (MP C6503/C8003). ([Right Middle Upper Cover \(MP C6503/C8003\)](#))
2. Open the vertical transport door [A]. Remove the LCIT cover [B].

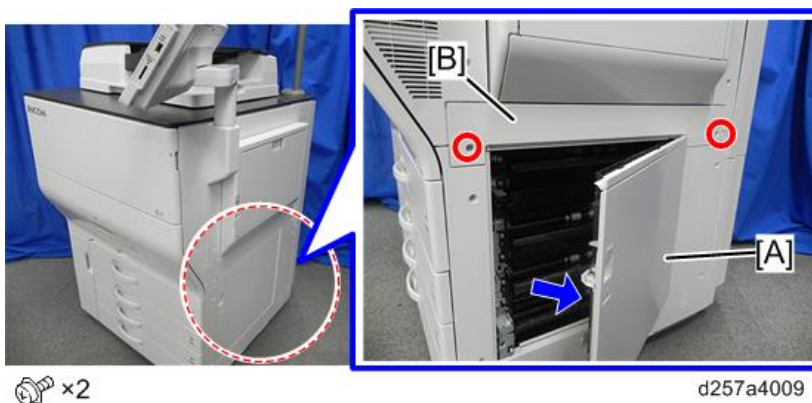


3. Slide the right middle rear cover [A] to the left.



Right Lower Cover

1. Open the vertical transport door [A]. Remove the LCIT cover [B].

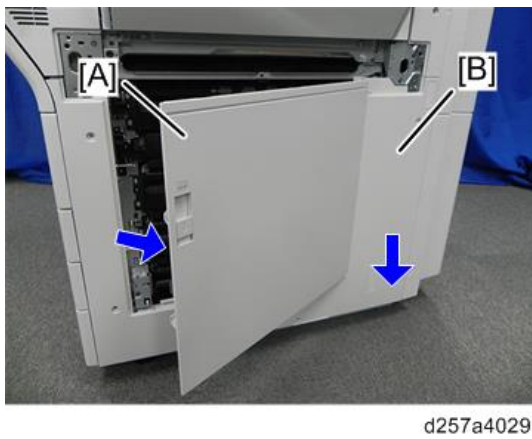


4.Replacement and Adjustment

2. Remove the fixing screws of the right lower cover.

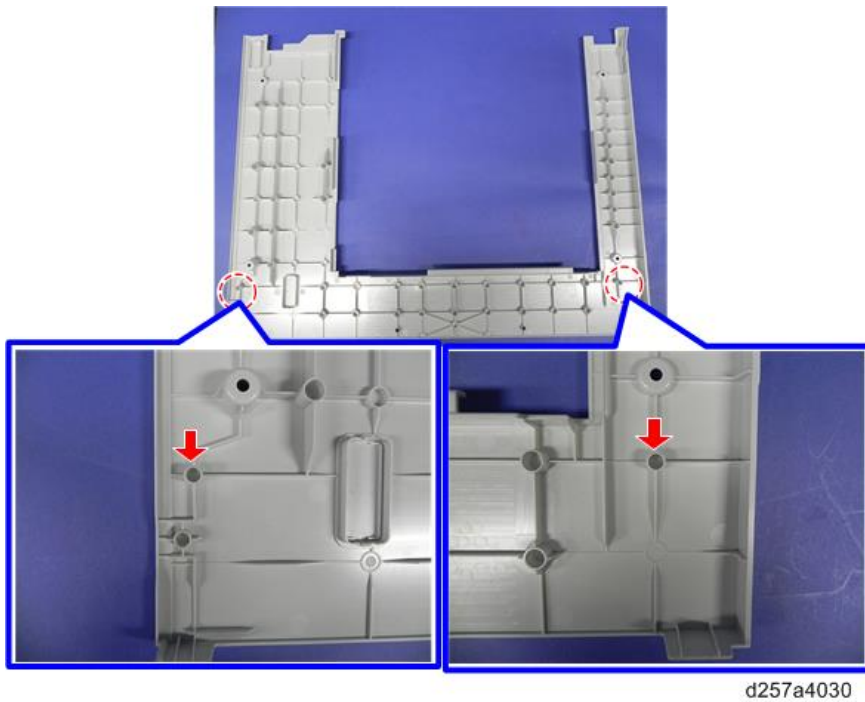


3. Open the vertical transport door [A]. Remove the right lower cover [B], moving it downward.



Note

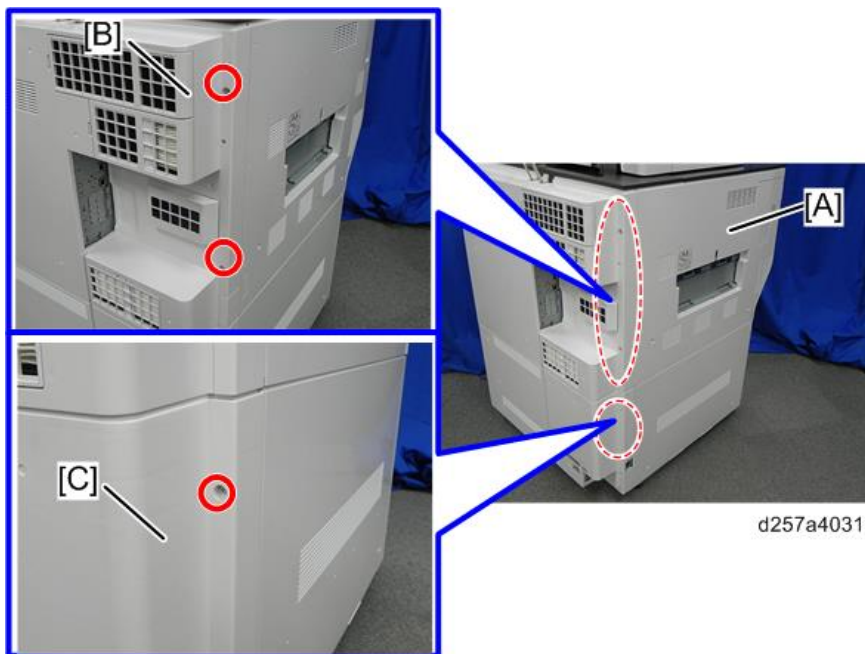
- Check the position of the bosses in the photo below before removing.



Left Cover

Left Middle Cover

1. In order to easily remove the left middle cover [A], remove the fixing screws on the left side of the rear middle cover [B] and rear lower cover [C].



 x3

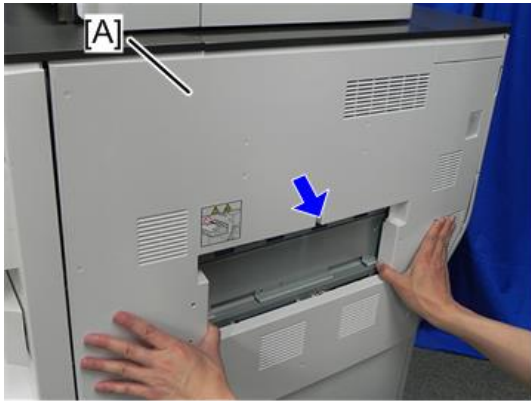
2. Remove the fixing screws of the left middle cover [A].



 x2

4.Replacement and Adjustment

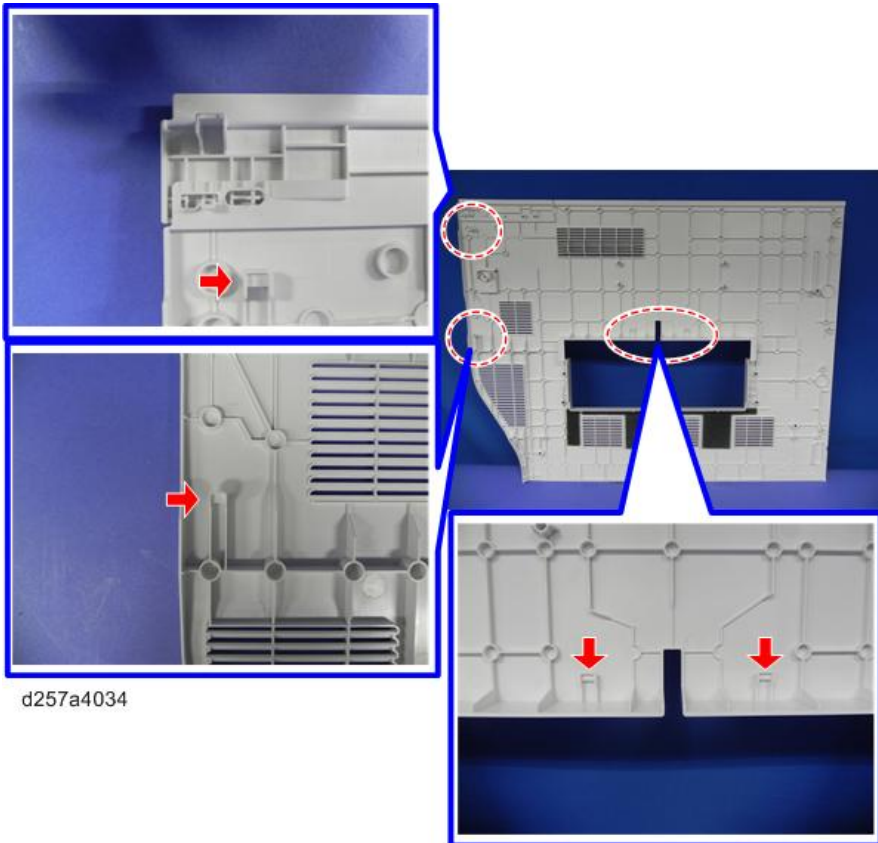
3. Remove the left middle cover [A].



d257a4033

Note

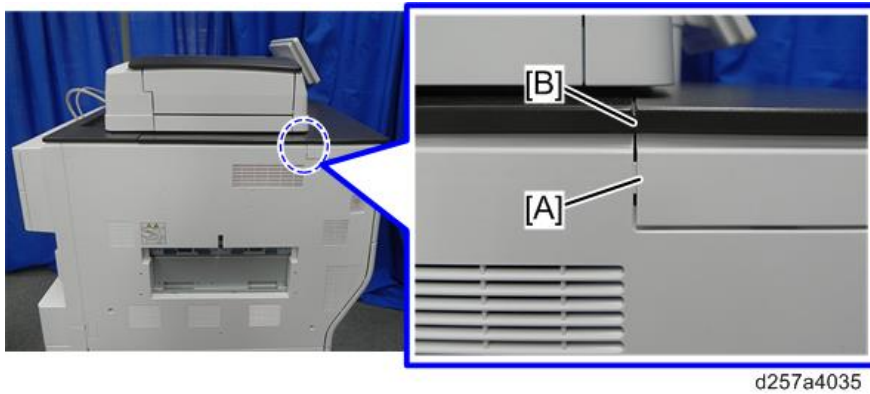
- Check the position of the hooks in the photo below before removing.



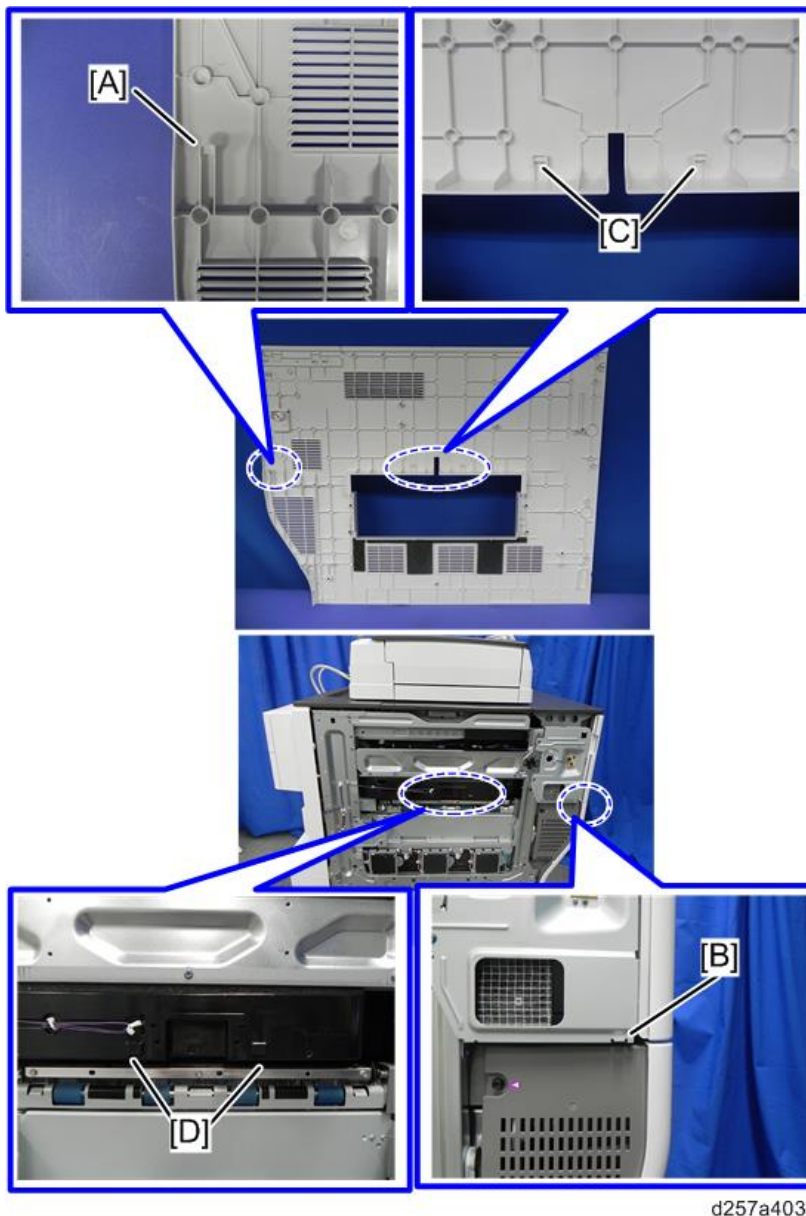
d257a4034

Notes on left middle cover attachment

- Attach the left middle cover to align the left middle cover [A] and the upper cover [B].



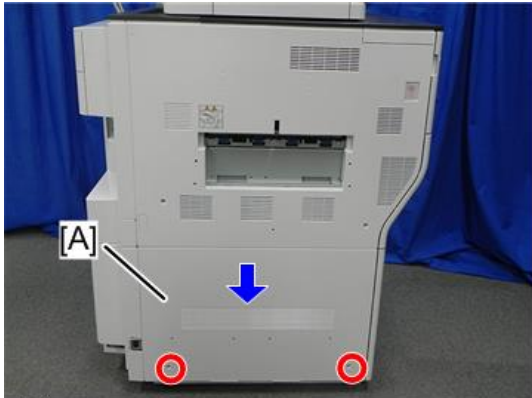
- Attach the hook [A] to fit location [B] on the machine.
- Attach the hooks [C] to fit locations [D] on the machine.



4.Replacement and Adjustment

Left Lower Cover

1. Remove the left lower cover [A], moving it downward.

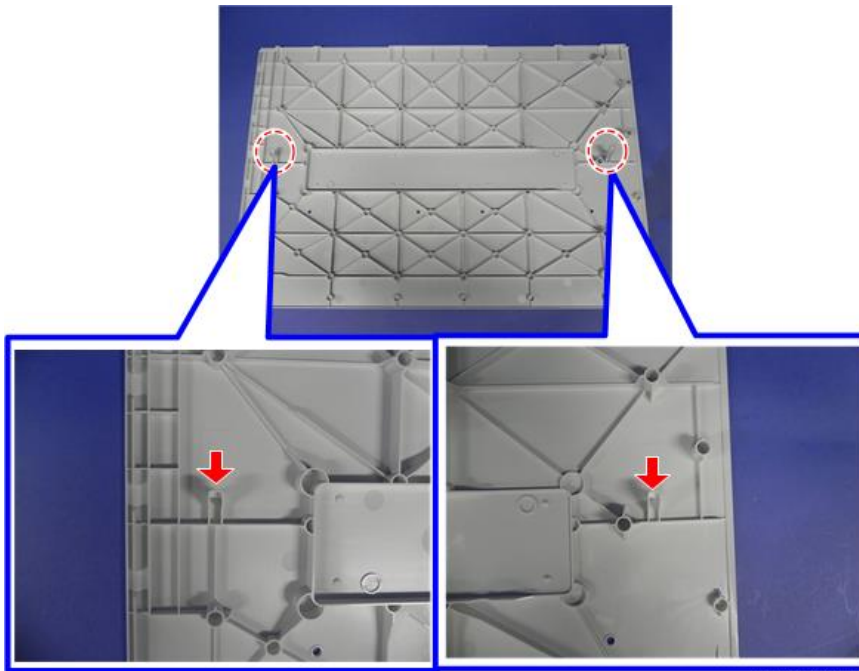


×2

d257a4037

Note

- Check the position of the hooks in the photo below before removing.

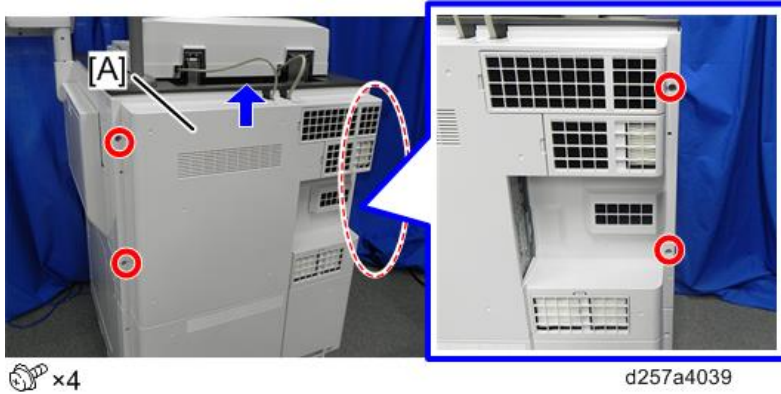


d257a4038

Rear Cover

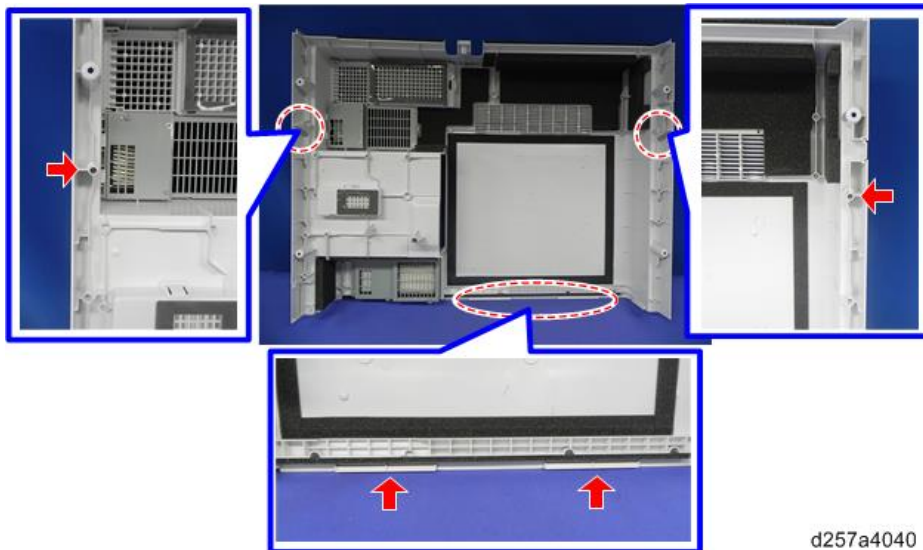
Rear Middle Cover

1. Remove the rear middle cover [A] by moving it upward.



↓ Note

- Check the position of the hooks and bosses in the photo below before removing.



Rear Lower Cover

1. Remove the rear middle cover. (Rear Middle Cover)

4.Replacement and Adjustment

2. Remove the rear lower cover [A].

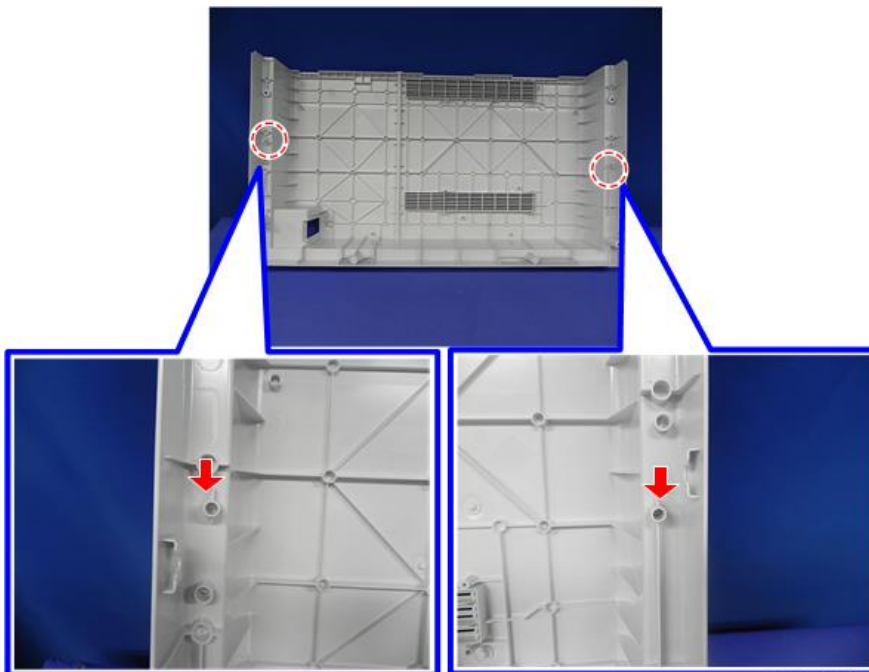


 ×4

d257a4041

Note

- Check the position of the bosses in the photo below before removing.

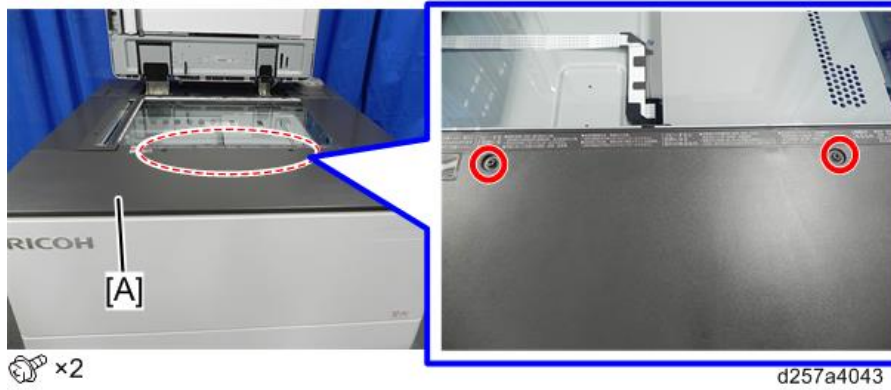


d257a4042

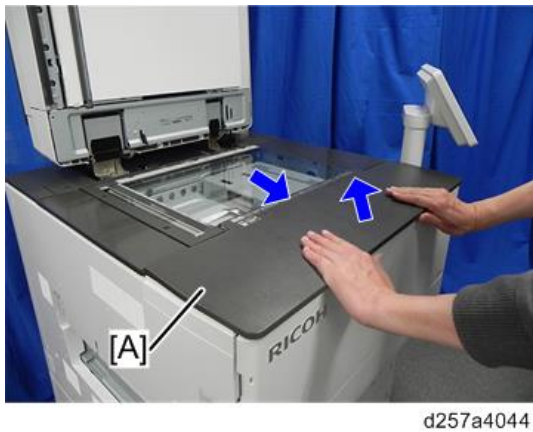
Upper Cover

Upper Front Cover (Pro C5200S/C5210S)

1. Open the ADF and remove the fixing screws of the upper front cover [A].

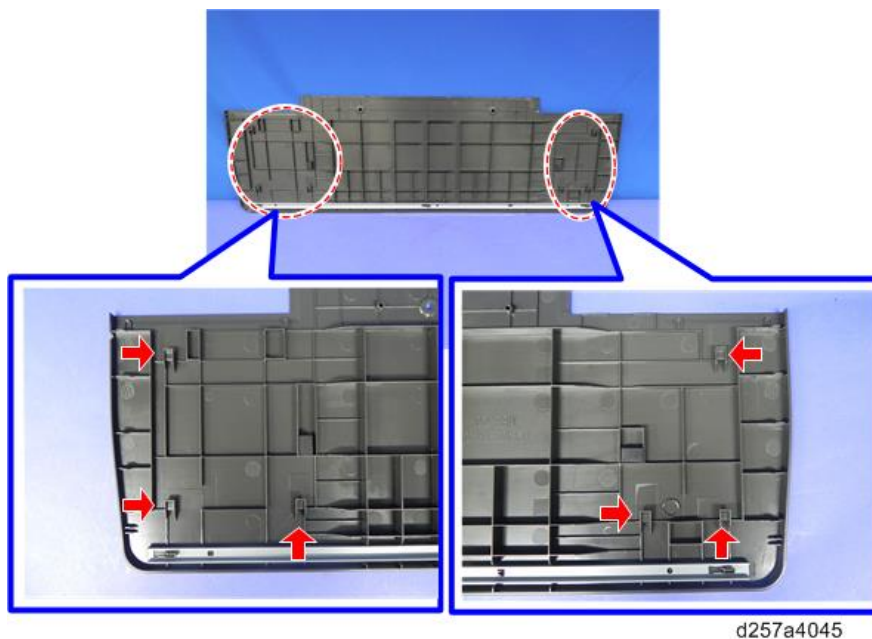


2. Lift the upper front cover [A] and slide it forward.



Note

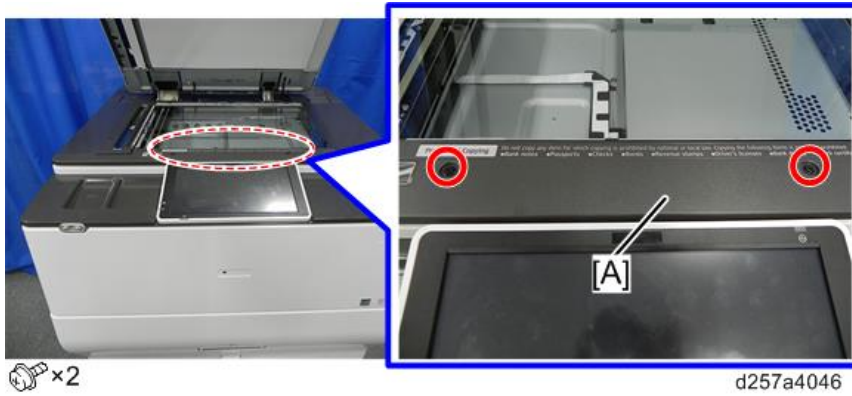
- Check the position of the hooks in the photo below before removing.



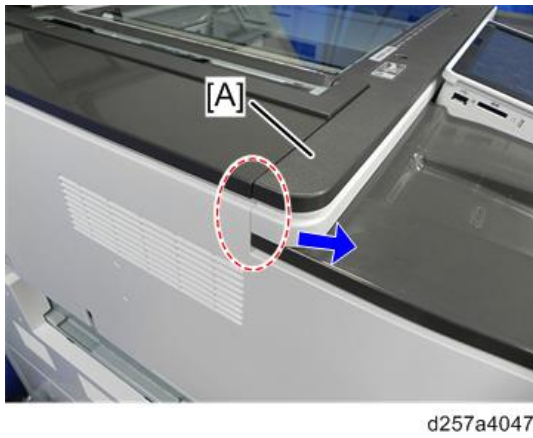
4.Replacement and Adjustment

Upper Front Cover (MP C6503/C8003)

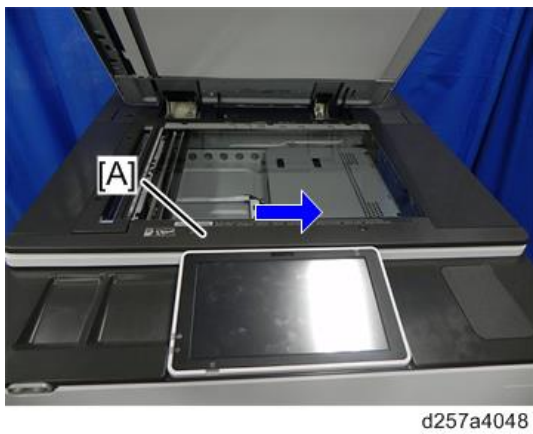
1. Open the ADF and remove the fixing screws of the upper front cover [A].



2. Disconnect the left hook of the upper front cover [A].

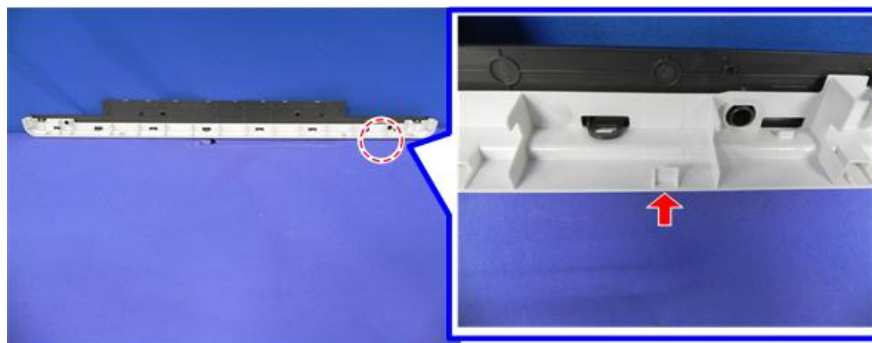


3. Slide the upper front cover [A] to the right.



Note

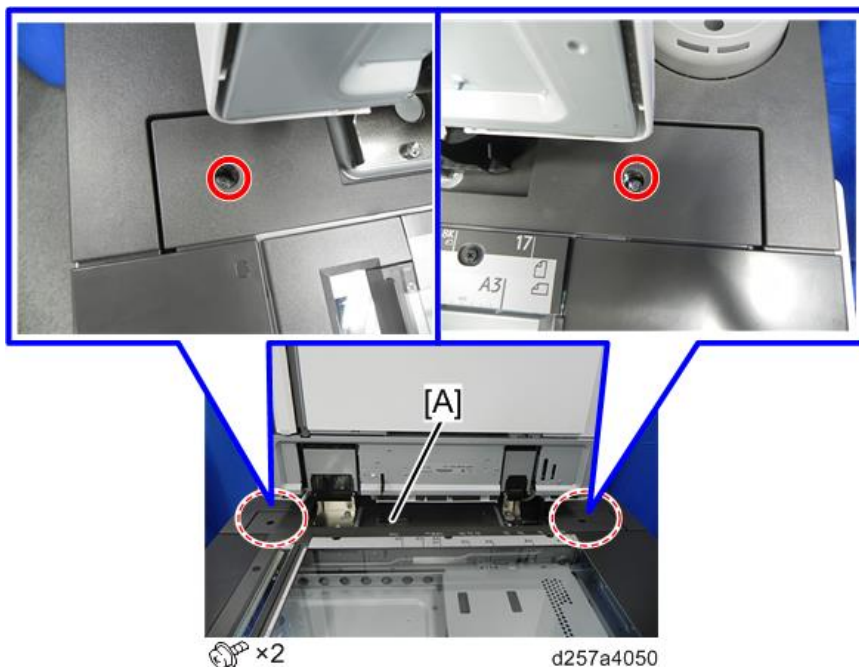
- Check the position of the hooks in the photo below before removing.



d257a4049

Upper Rear Cover (Small)

1. Open the ADF and remove the fixing screws of the upper rear cover (small) [A].



 ×2

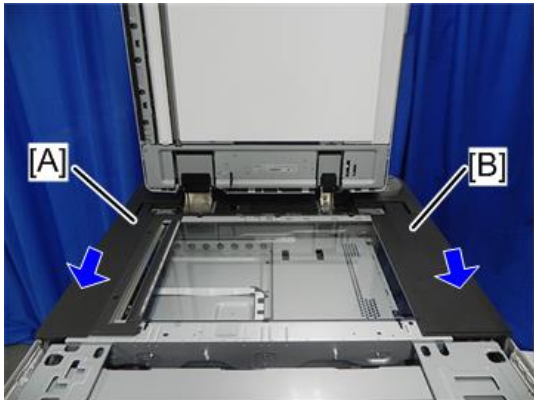
d257a4050

Upper Left Cover, Upper Right Cover

1. Remove the upper front cover. (Pro C5200S/C5210S: [Upper Front Cover \(Pro C5200S/C5210S\)](#), MP C6503/C8003: [Upper Front Cover \(MP C6503/C8003\)](#))
2. Remove the upper rear cover (small). ([Upper Rear Cover \(Small\)](#))

4.Replacement and Adjustment

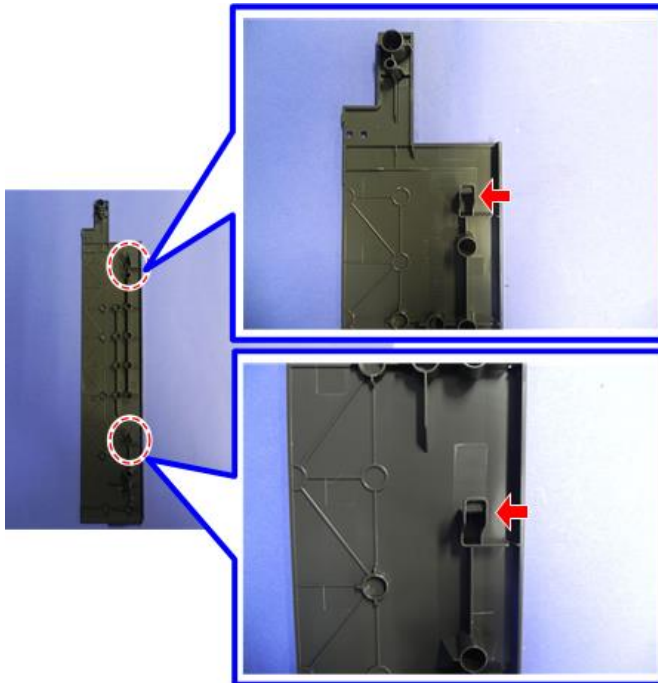
3. Remove the upper left cover [A] and upper right cover [B] by sliding them toward the front.



d257a4069

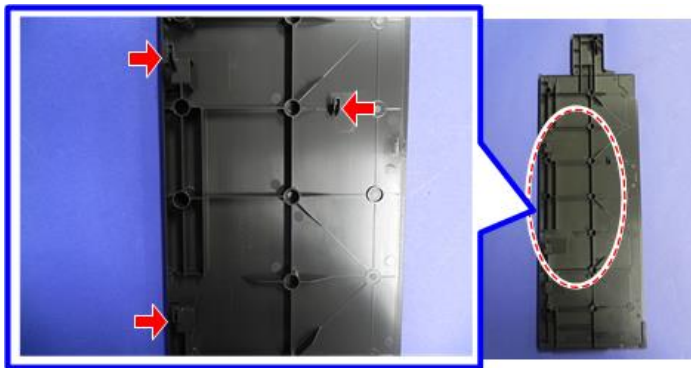
Note

- Check the position of the hooks in the photo below before removing.
- Upper left cover



d257a4051

- Upper right cover



d257a4052

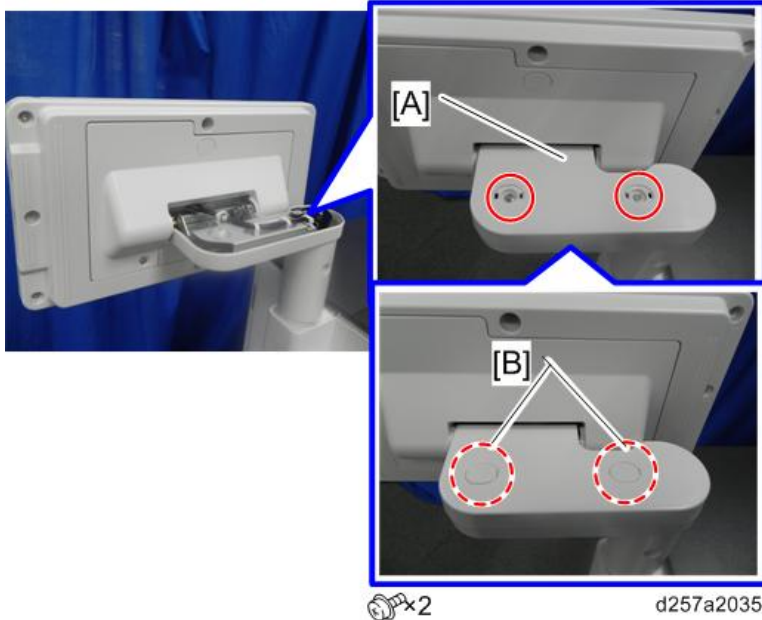
- When attaching the upper right cover, be careful not to pinch the harness.

Operation Panel (Pro C5200S/C5210S)

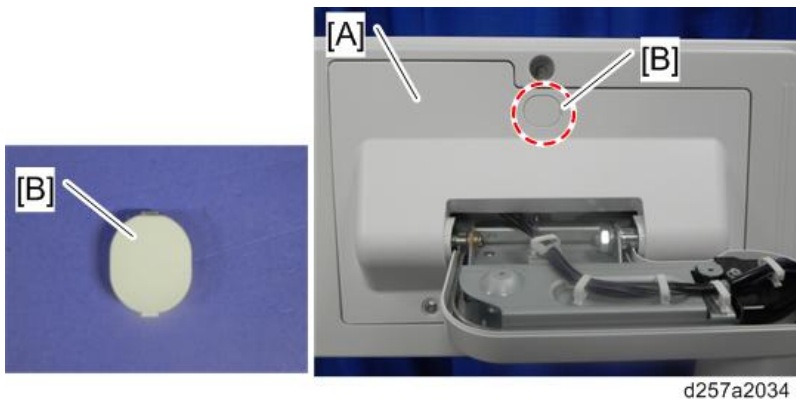
When Using the Standard Operation Panel

Operation Panel Unit

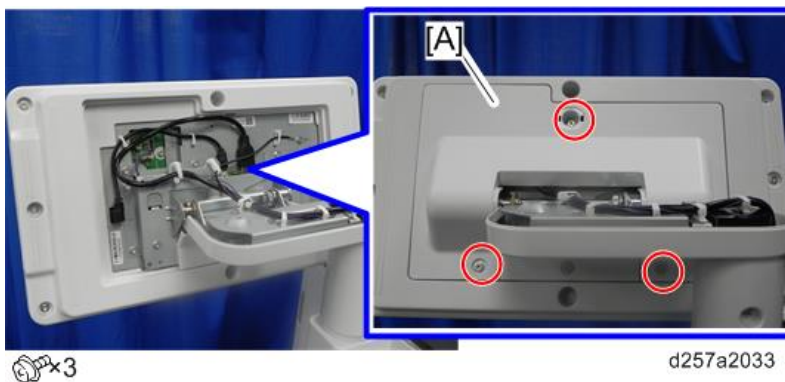
1. Remove the screw covers [B] on the back of the operation panel. Remove the arm upper cover [A].



2. Remove the screw cover [B] from the rear cover [A].

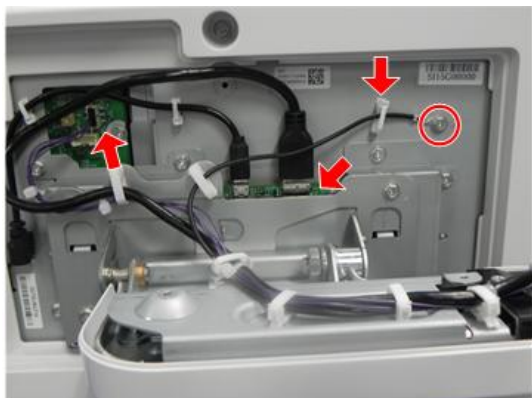


3. Remove the rear cover [A].



4.Replacement and Adjustment

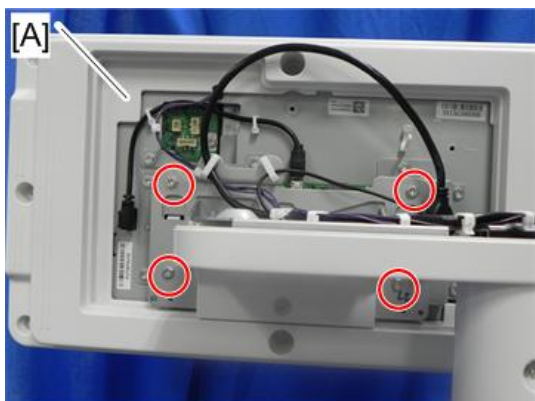
4. Disconnect the grounding wire and the connectors.



⚙️×1 🔌×2 🧰×1

d257a2032

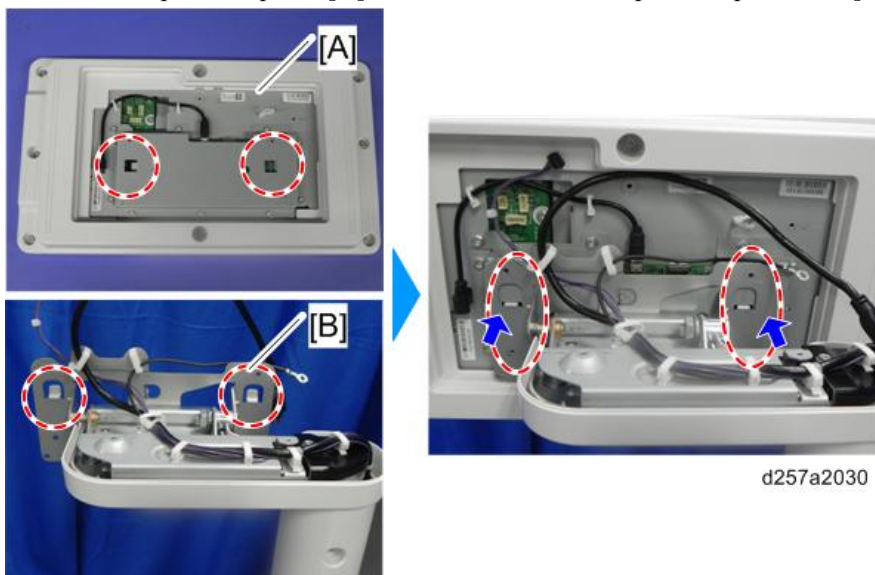
5. Remove the fixing screws of the operation panel [A].



🧰×4

d257a2031

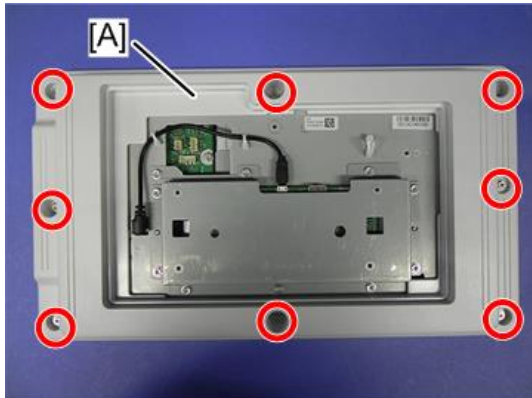
6. Remove the operation panel [A] from the hooks of the operation panel arm [B].



d257a2030

LDCD

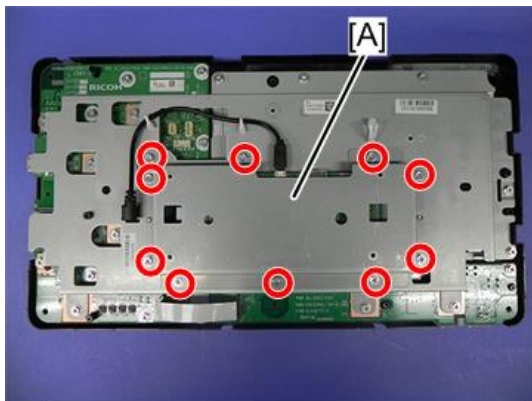
1. Remove the rear cover of the operation panel [A].



 x8

d257a4001

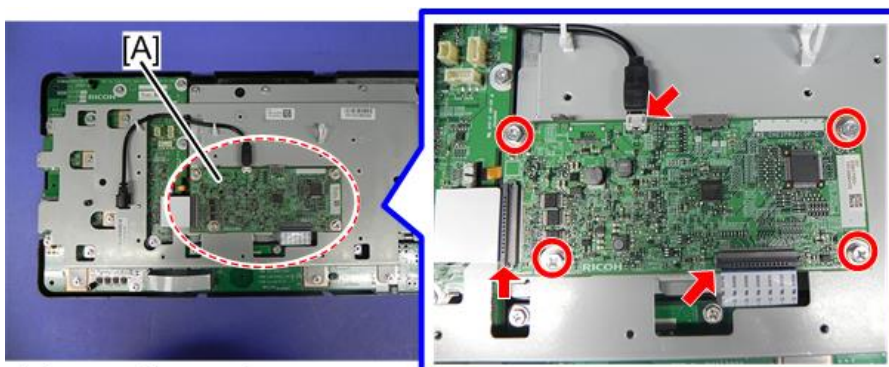
2. Remove the bracket [A].






 x10

d257a4002

3. Remove the LDCD [A].



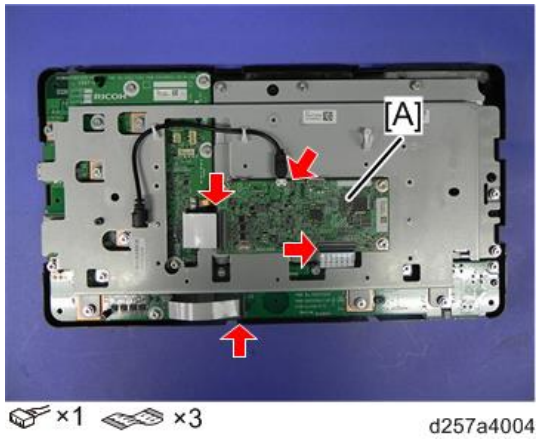
 x4  x1  x2

d257a4003

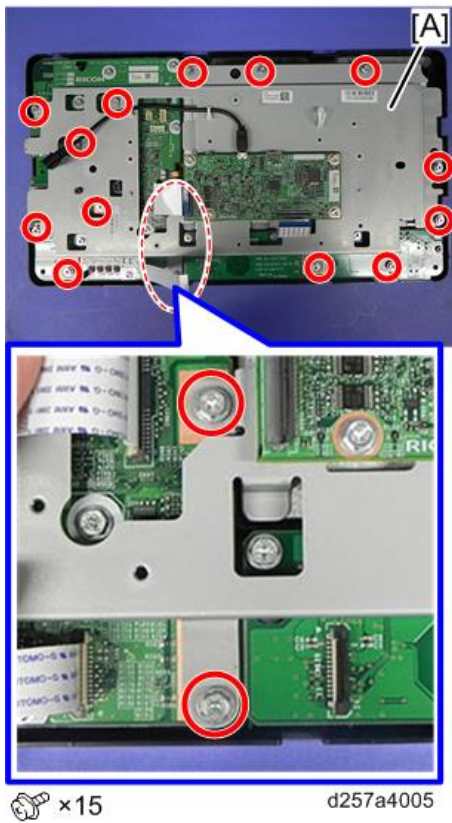
4.Replacement and Adjustment

OPU, OPR

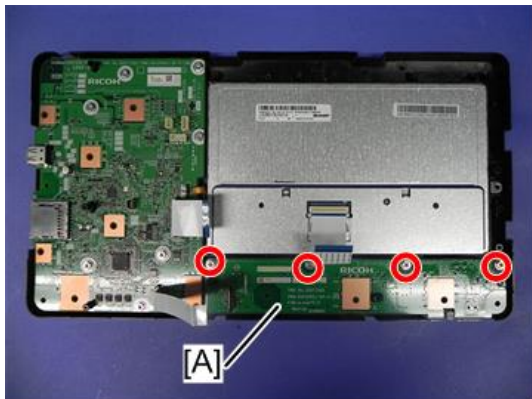
1. Disconnect the connectors and the clamps that are connected to the LDCD [A].



2. Remove the bracket [A].



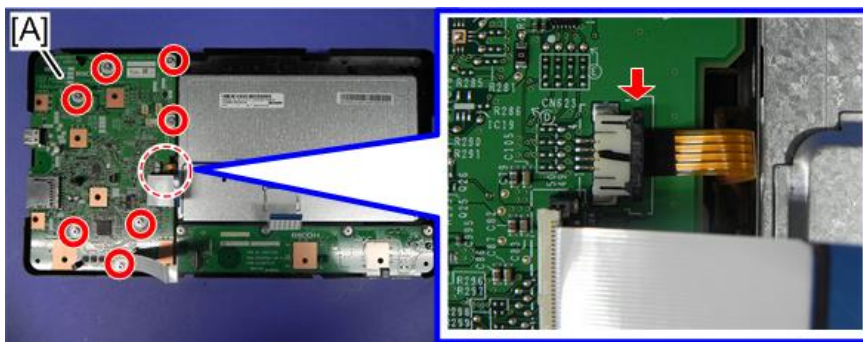
3. Remove the OPU [A].



 x4

d257a4006

4. Remove the OPR [A].

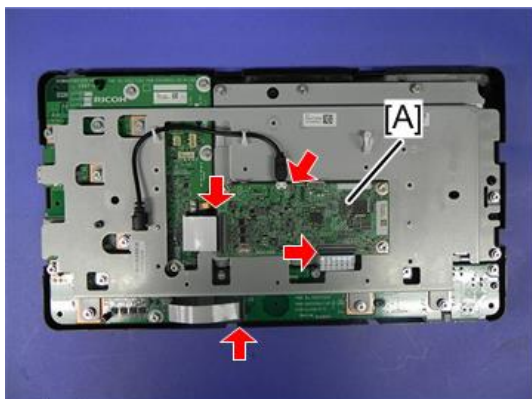


 x7  x1

d257a4007

LCD

1. Disconnect the connectors and the clamps that are connected to the LDCD board [A].

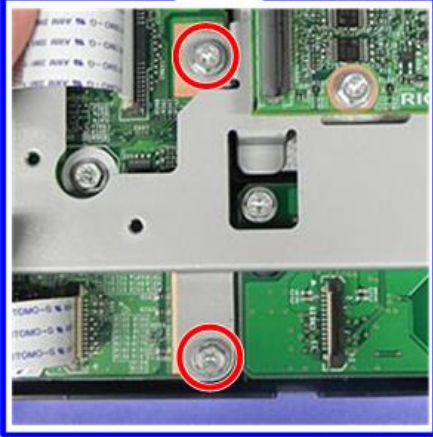
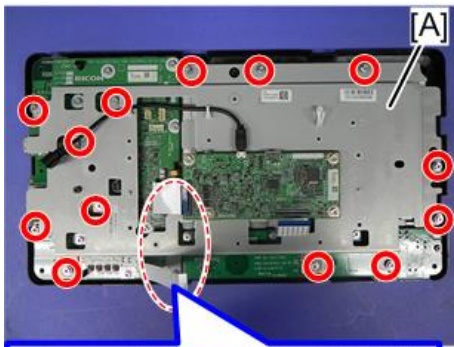


 x1  x3

d257a4004

4.Replacement and Adjustment

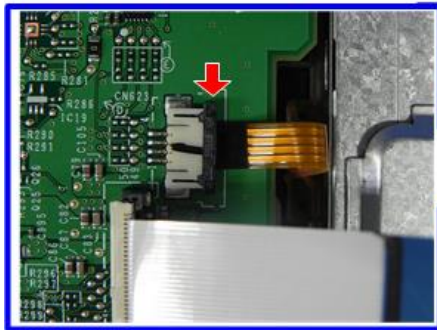
2. Remove the bracket [A].



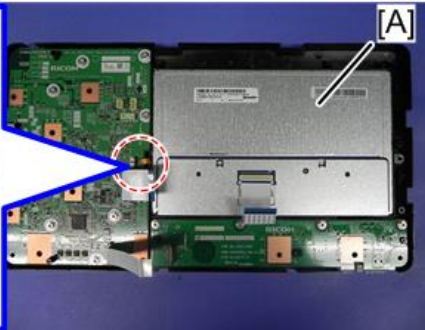
 ×15

d257a4005

3. Remove the LCD [A].



 ×1

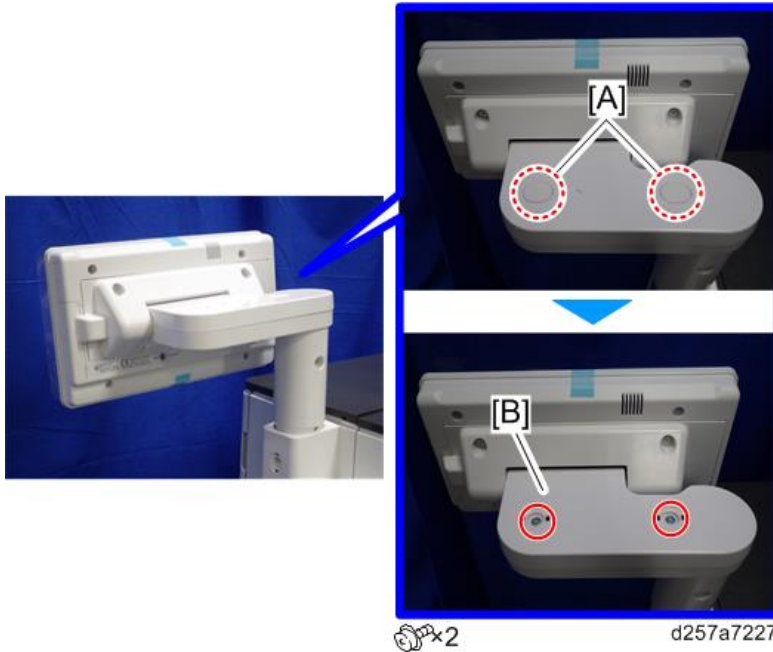


d257a4008

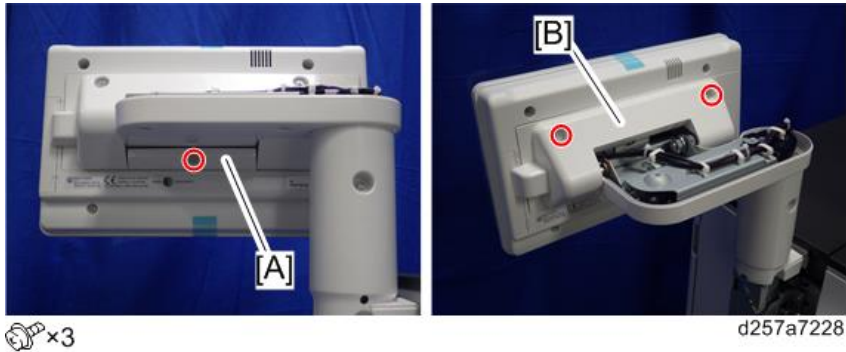
 When Using the Smart Operation Panel

Operation Panel Unit

- 1.** Remove the screw covers [A] and arm upper cover [B].



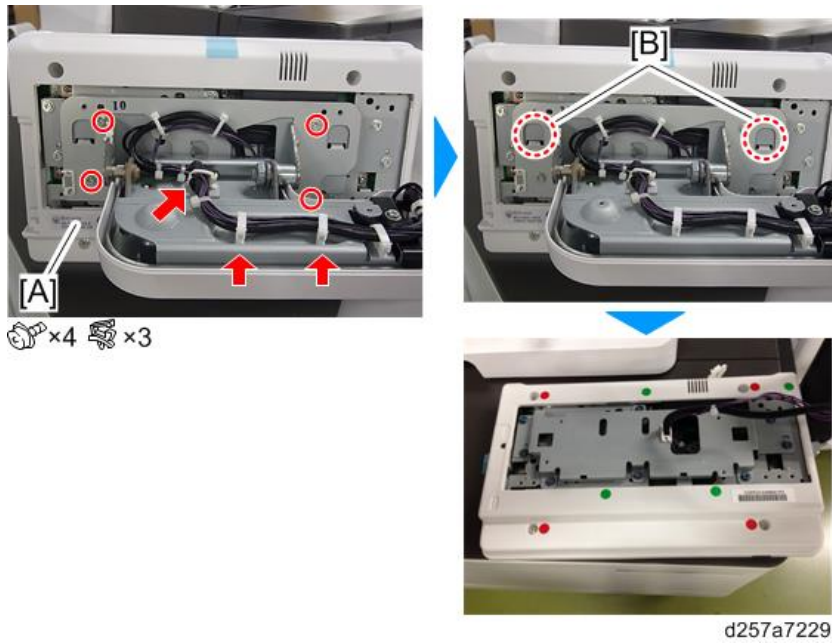
- 2.** Remove the operation panel rear lower cover [A] and operation panel rear upper cover [B].



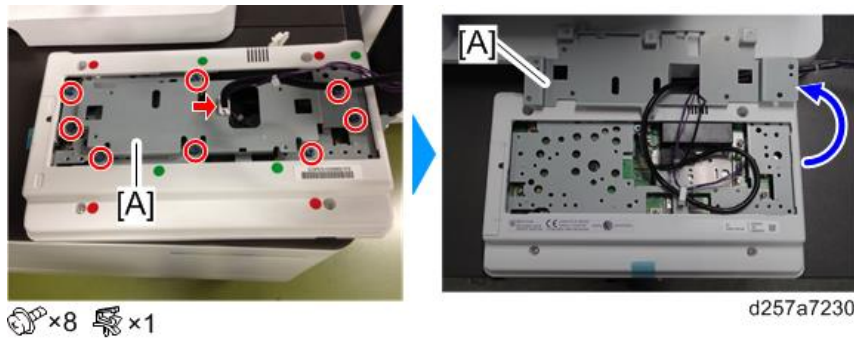
- 3.** Remove the fixing screws of the operation panel [A], and then release the clamps.

4.Replacement and Adjustment

4. Remove the operation panel [A] from the hooks of the operation panel arm [B], and then place the operation panel on the upper front cover of the main machine with the LCD facing down.

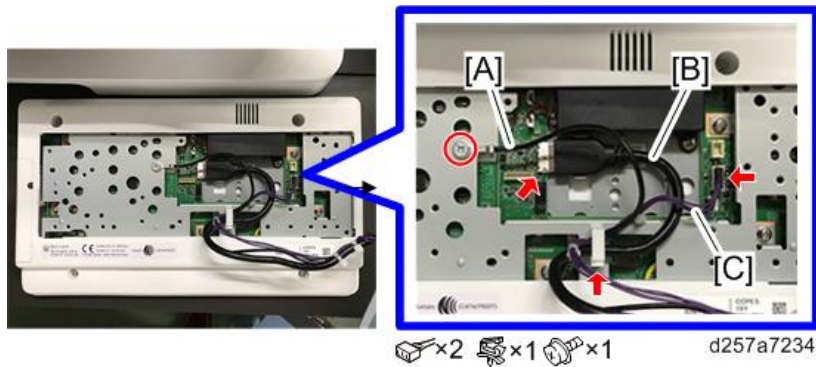


5. Turn the arm bracket [A] over as shown below.

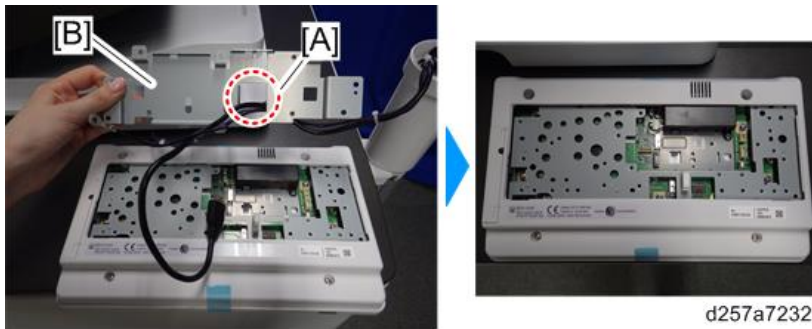


6. Remove the ground cable [A].

7. Remove the harnesses [B] and [C].



- 8.** Remove the harness from the cut-out [A] of the arm bracket, and then remove the arm bracket [B].



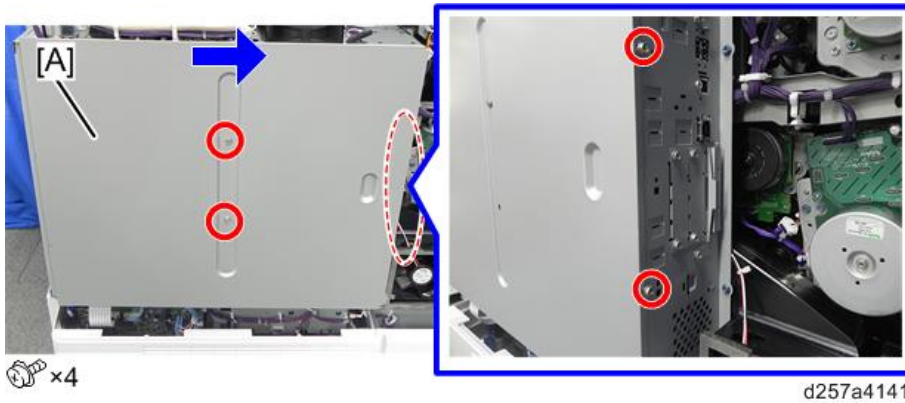
- 9.** Make sure that DIP switches 3 and 7 of the operation panel [A] are set to ON.



Note

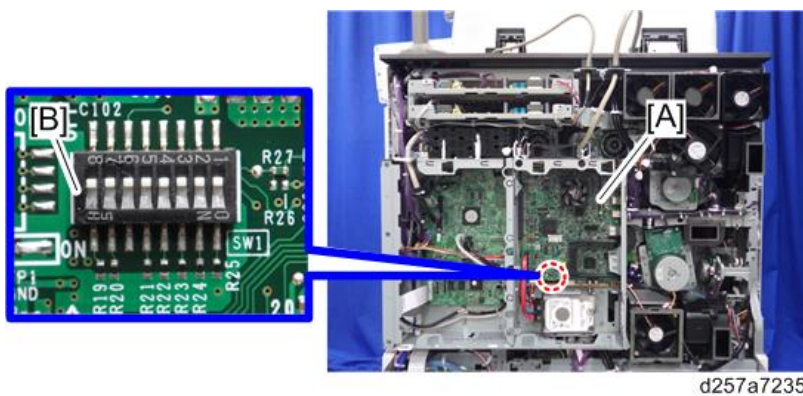
If the DIP switch setting is not correct, the machine will issue SC672.

- 10.** Remove the rear middle cover. (Rear Middle Cover)
11. Remove the controller box cover [A].



⚙️ x4

- 12.** Make sure that all the DIP switches [B] on the controller board [A] are set to OFF.



d257a7235

4.Replacement and Adjustment

- 13.** Attach the controller box cover and rear middle cover.
- 14.** After replacing the operation panel, make sure that the latest version of the Smart Operation Panel firmware has been installed. For details, refer to "Updating the Smart Operation Panel" in the Smart Operation Panel manual.

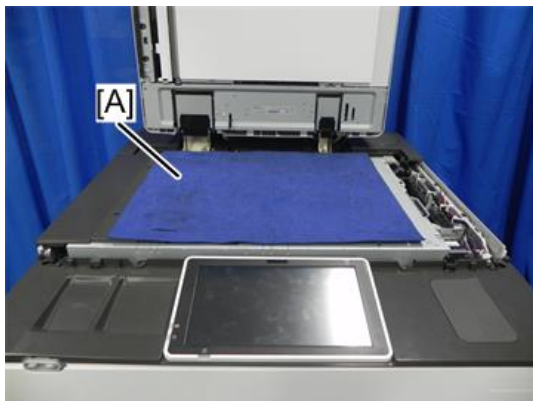
Internal Parts

For details about disassembling the Smart Operation Panel, see the service manual for Smart Operation Panel 2nd Generation.

Operation Panel (MP C6503/C8003)

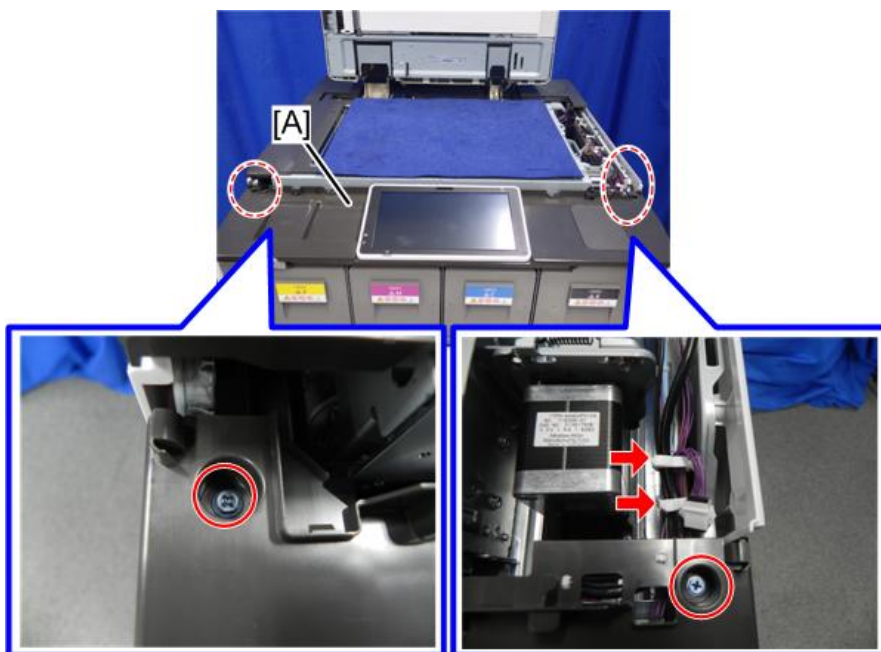
Operation Panel Unit

1. Remove the upper right cover. (Upper Left Cover, Upper Right Cover)
2. Cover the exposure glass [A] to protect it.



d257a4060

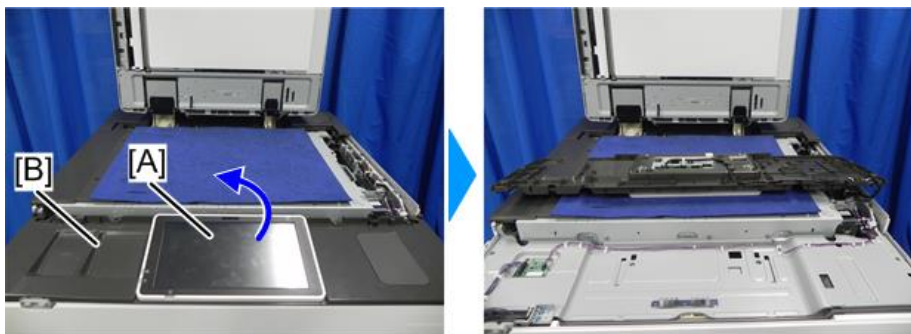
3. Open the toner supply unit front cover.
4. Remove the screws and clamps of the lower cover [A].


 x2
  x2

d257a4059

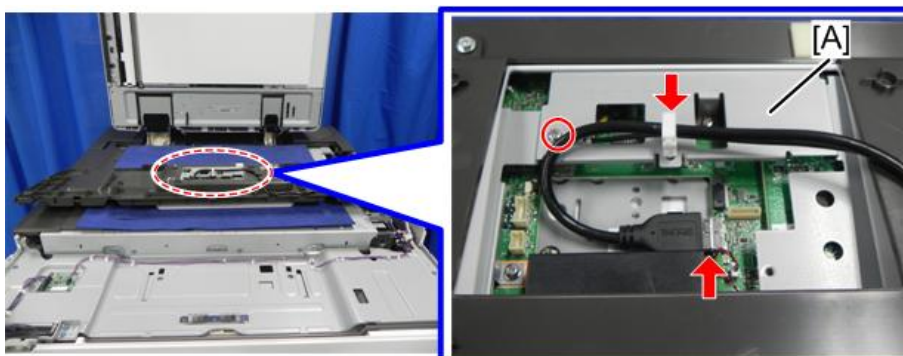
4.Replacement and Adjustment

5. Turn over the operation panel [A] and the lower cover [B] towards the scanner.



d257a4061

6. Disconnect the USB connector and the grounding wire of the operation panel [A].



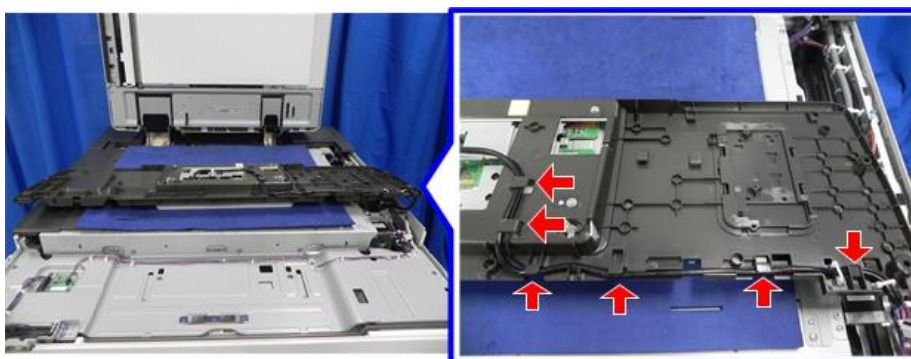
⚙️ ×1 🔑 ×1 🛠️ ×1

d257a4063

Note

- When you disconnect or connect the USB cable, hold the connector part of the cable.

7. Remove the harnesses from the harness guide.

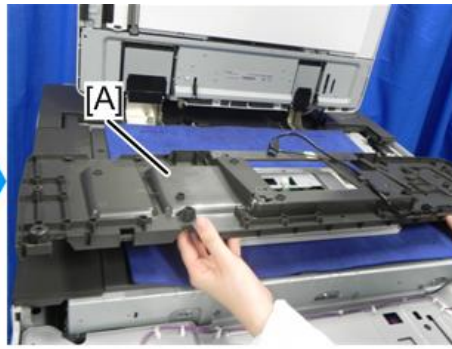


d257a4064

- 8.** Remove the lower cover [A].



⚙️ ×4



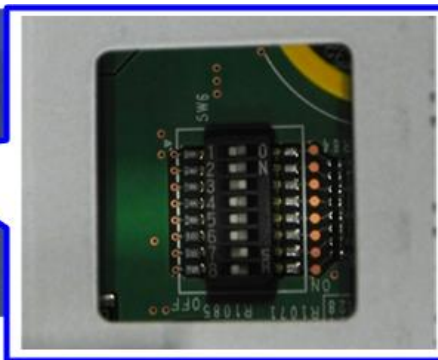
d257a4065

- 9.** Remove the operation panel [A].



d257a4066

- 10.** Before you replace the operation panel, make sure that DIP switches 3 and 7 of the new operation panel are set to ON.



d257a4068

★ Important

- If the DIP switch settings are not correct, the machine will issue SC672.

- 11.** After replacing the operation panel, make sure that the latest version of the Smart Operation Panel firmware has been installed. For details, refer to "Updating the Smart Operation Panel" in the Smart Operation Panel manual.

Internal Parts

For details about disassembling the Smart Operation Panel, see the service manual for Smart Operation Panel 2nd Generation.

4.Replacement and Adjustment

Adjustment of Screen Angle

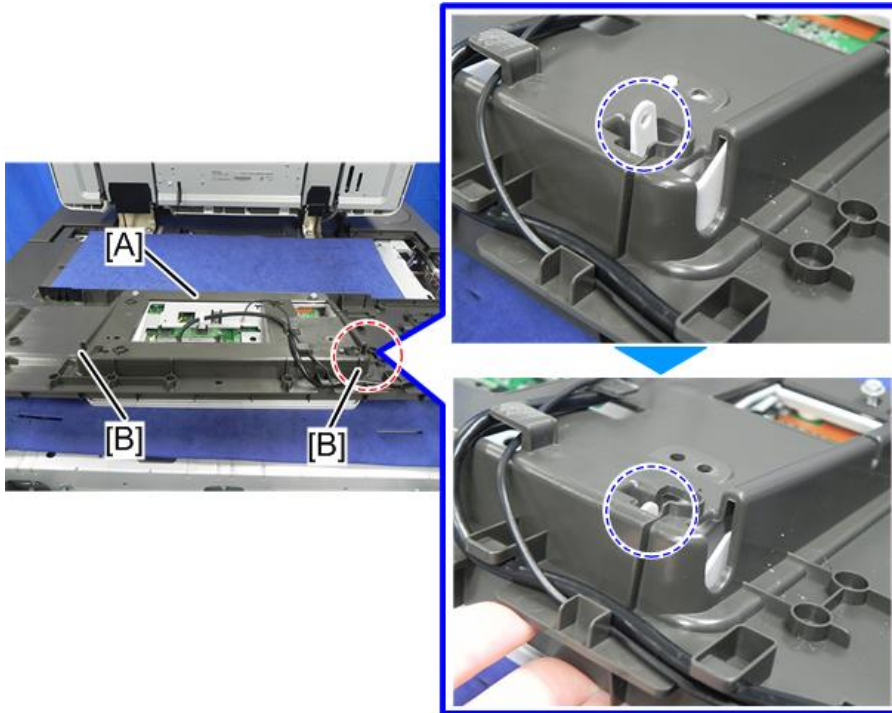
1. Turn over the operation panel. ([Operation Panel Unit](#))
2. Remove the fixing screws.



3. For the tilt adjustment, loosen two screws.



4. Lift the lower cover [A]. Align the cover [A] with the ribs [B].



d257a4420

- 5.** Fix the ribs and lower cover with the screws you removed in step 2.
e.g.: right side



 x1

d257a4421

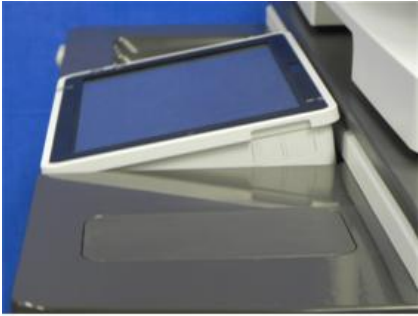

- 6.** Tighten the two screws to fix the operation panel.



 x2

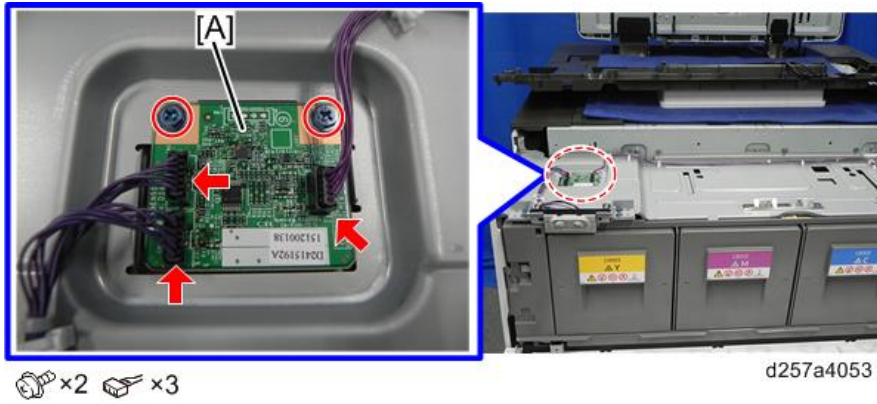
d257a4422

4.Replacement and Adjustment

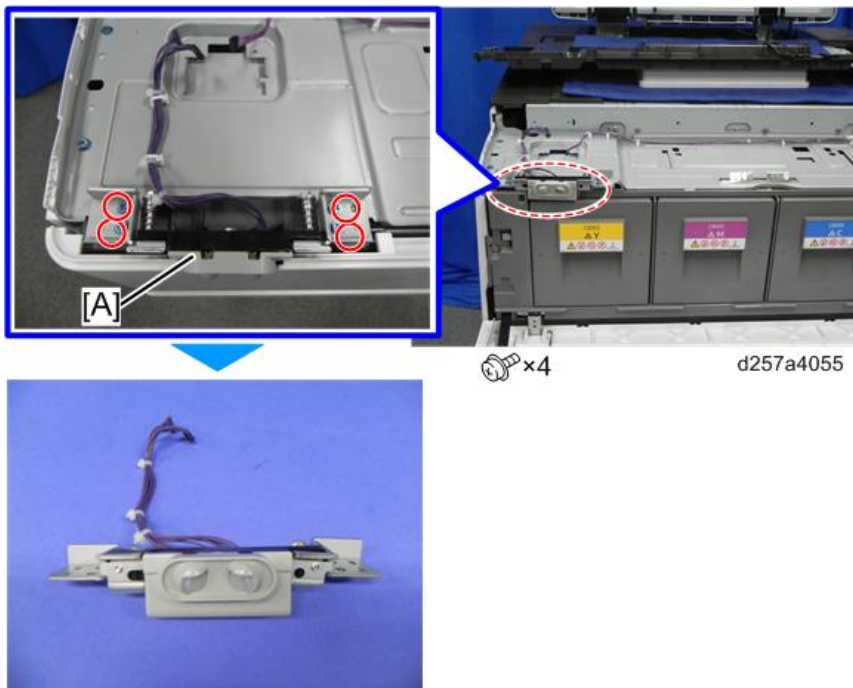
Before the adjustment	After the adjustment
 <p>d257a4461</p>	 <p>d257a4423</p>

Proximity Sensor (Human Detection Sensor)

1. Turn over the operation panel and the lower cover towards the scanner. (Operation Panel Unit)
2. Remove the proximity sensor board [A].

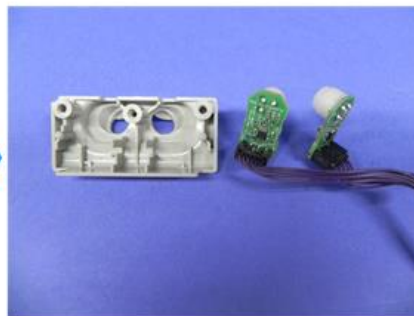
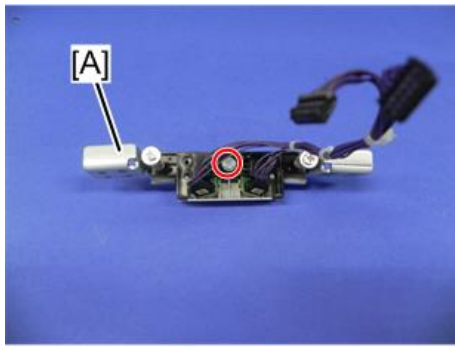


3. Remove the unit [A].



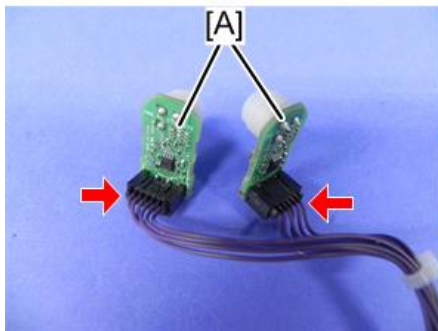
4.Replacement and Adjustment

4. Remove the bracket [A].



d257a4056

5. Remove the proximity sensor [A].



 ×2

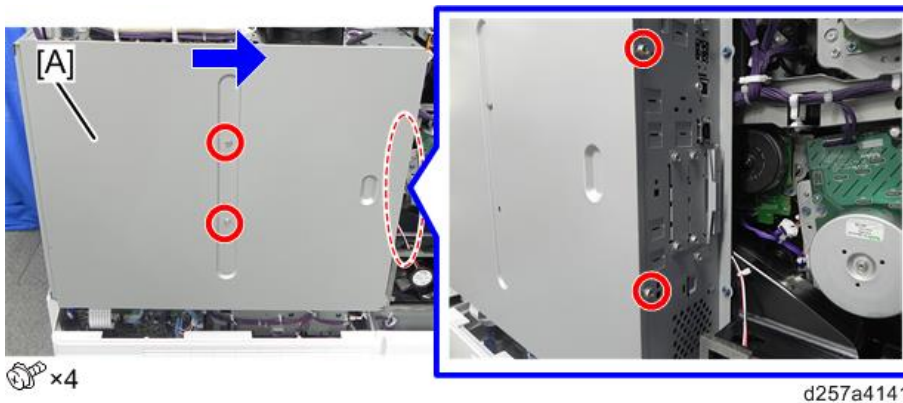


d257a4057

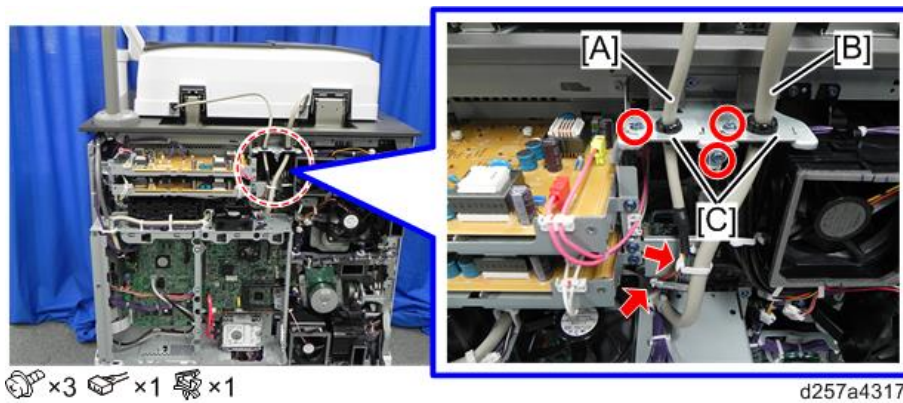
ADF

ADF Removal

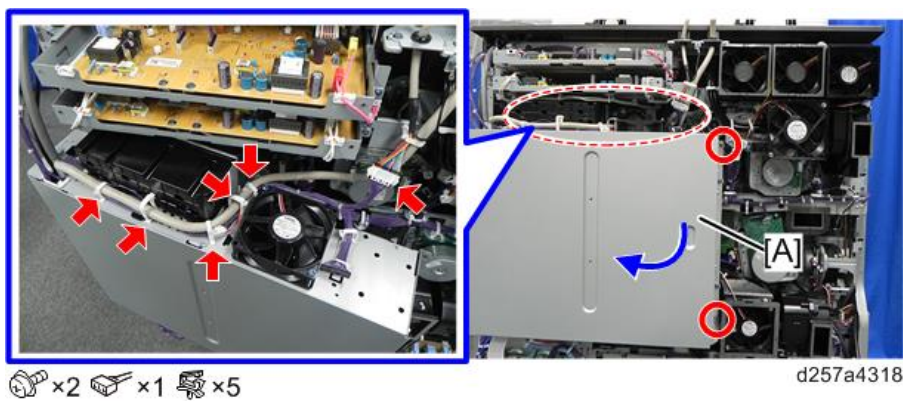
1. Remove the rear middle cover. (Rear Middle Cover)
2. Remove the controller box cover [A].



3. Disconnect the interface cable [A]. Remove the bracket [C] of the CIS unit cable [B].

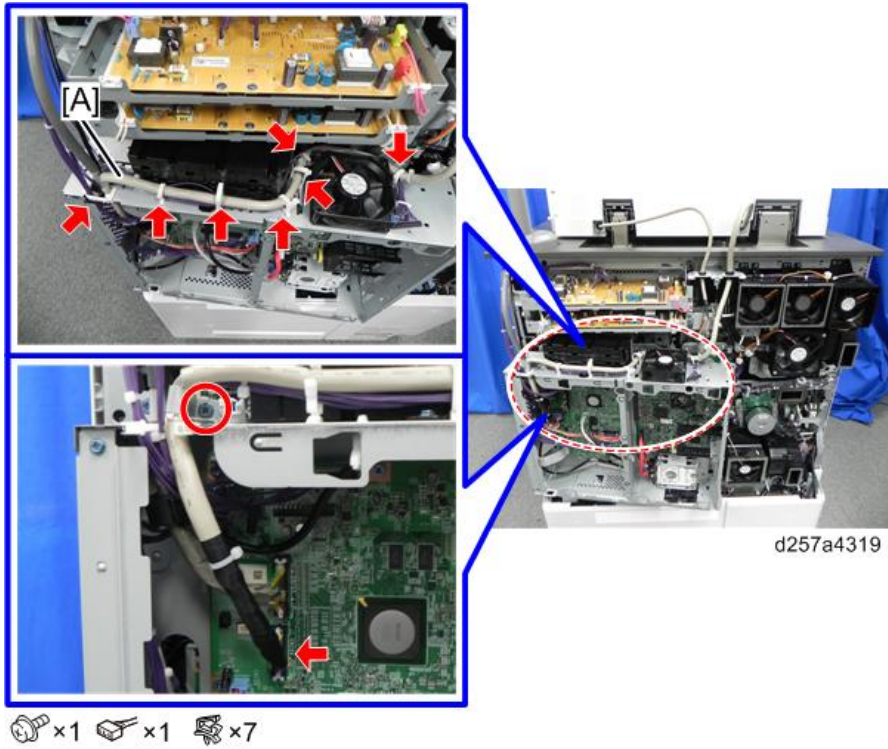


4. Open the controller box [A].



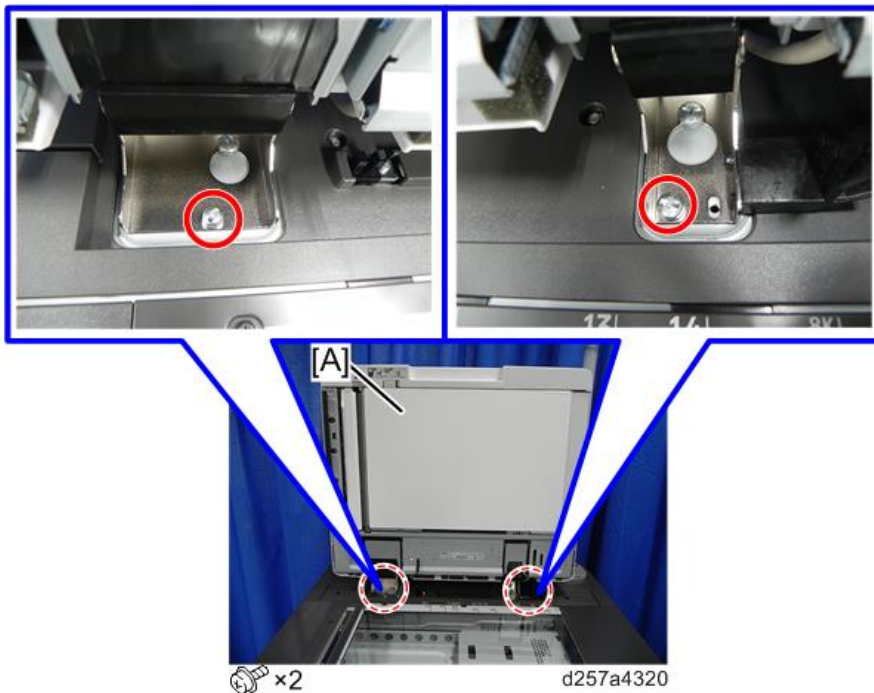
4.Replacement and Adjustment

5. Remove the CIS unit cable [A].



6. Open the ADF [A].

7. Remove the fixing screws of the ADF.



8. While holding the left and right sides of the ADF, lift up to remove it.

Note

- Because of the weight of the ADF, handle with care.

Adjustment after Replacing the ADF

CIS RGB Adjustment

Enter the four-digit numeric values for RGB that are listed on the paper that comes with the ADF into the following SP.

R: SP4-712-001 (CIS GB Adj Value: R)

G: SP4-713-001 (CIS GB Adj Value: G)

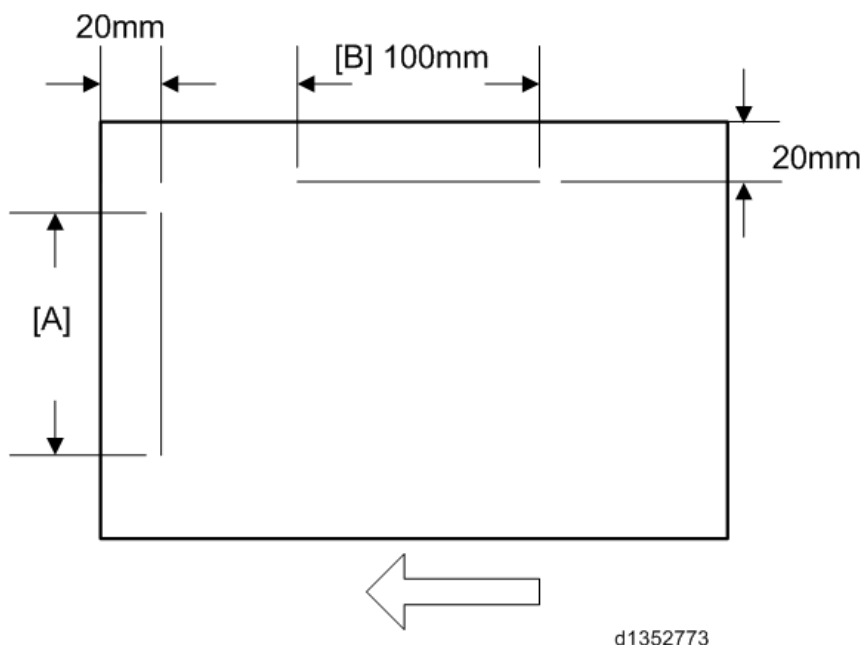
B: SP4-714-001 (CIS GB Adj Value: B)

Checking the vertical registration

SP6-006-001 (ADF Adjustment Side-to-Side Regist: Front)

SP6-006-002 (ADF Adjustment Side-to-Side Regist: Rear)

1. Create an original as shown in the following picture.



The arrows indicate the direction of feed.

2. Copy the original and make sure that the position of the line [A] is within 0 ± 1 mm
3. If not within the standard, adjust with the SP modes.

Checking the horizontal registration

SP6-006-010 (ADF Adjustment L-Edge Regist (1-Pass): Front)

SP6-006-011 (ADF Adjustment L-Edge Regist (1-Pass): Rear)

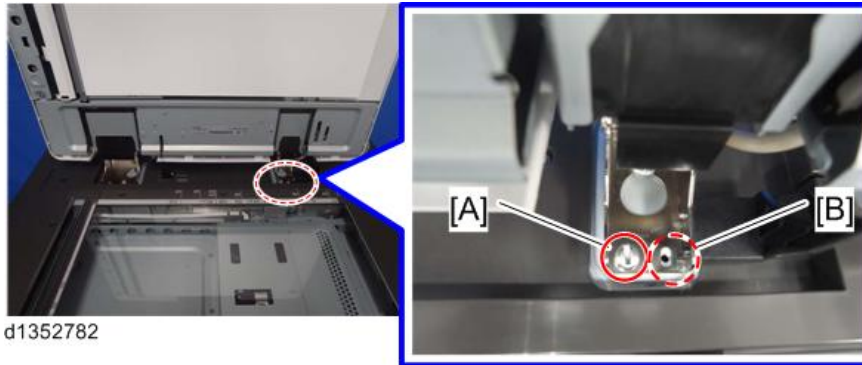
1. Copy the original and make sure that the position of the line [B] is within 0 ± 2 mm.
2. If not within the standard, adjust with the SP modes.

Checking the skew

1. Make sure that the difference between both ends of the line [A] is within 0 ± 2 mm.

4.Replacement and Adjustment

2. If not within the standard, change the position of the fixing screw [A] to the long hole [B] at the right hinge.



d1352782

Checking the magnification

SP6-017-001 (DF Magnification Adj.)

1. Copy the original and make sure that the length of the line [B] is within 100 ± 1 mm.
2. If not within the standard, adjust with the SP mode.

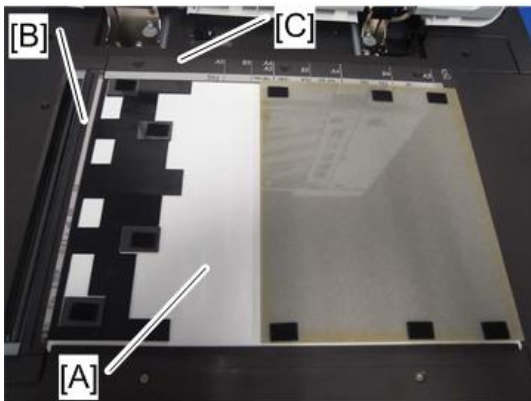
Platen Adjustment

1. Open the ADF and remove the white cover [A] (magic tape x 10).



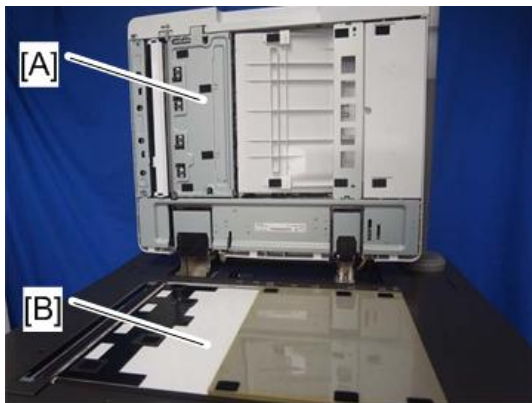
d1352781

2. Put the white cover [A] in the correct position on the exposure glass, aligning it with the glass cover [B] and the rear scale [C].



d1352783

- 3.** Close the ADF [A] slowly and attach the white cover [B] to the ADF with the magic tapes.

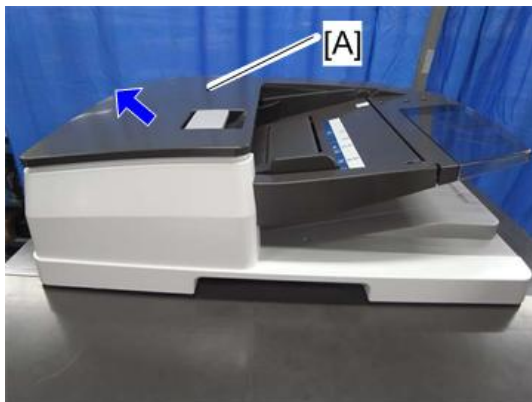


d1352784

ADF Cover

ADF Front Cover

- 1.** Open the ADF feed cover [A].



d1352047

- 2.** Slide the ADF front cover [A] to the left.



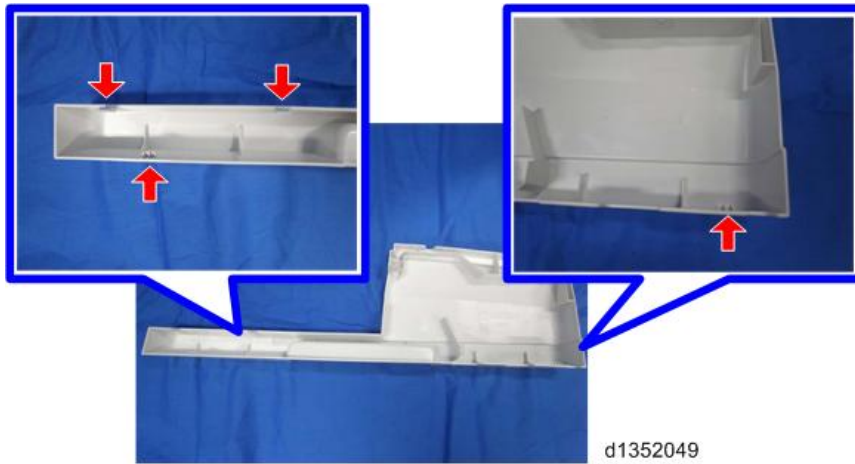
d1352048a

 x2

4.Replacement and Adjustment

Note

- Check the position of the hooks in the photo below before removing.



ADF Rear Cover

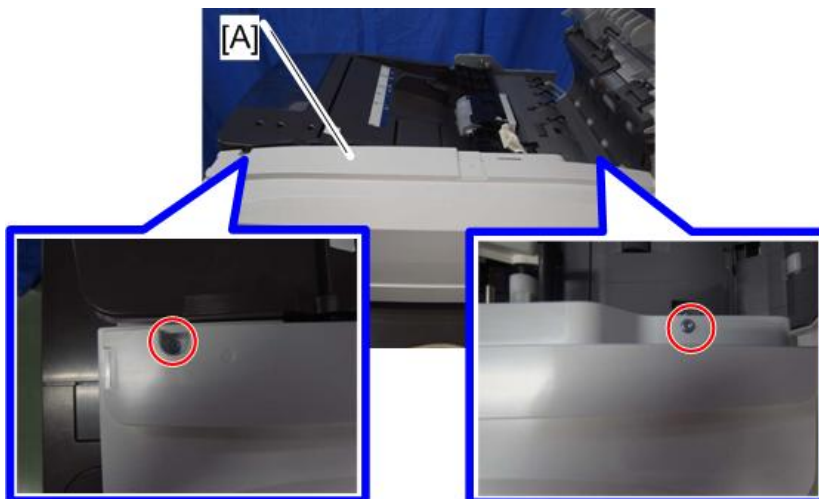
- 1.** Open the ADF feed cover.
- 2.** Remove the cover [A].



⚙️ x1

d1352050a

- 3.** Lift off the rear cover [A].

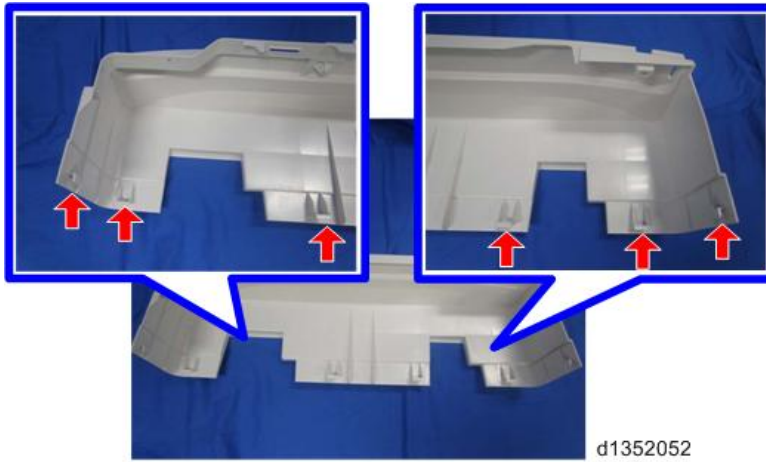


⚙️ x2

d1352051a

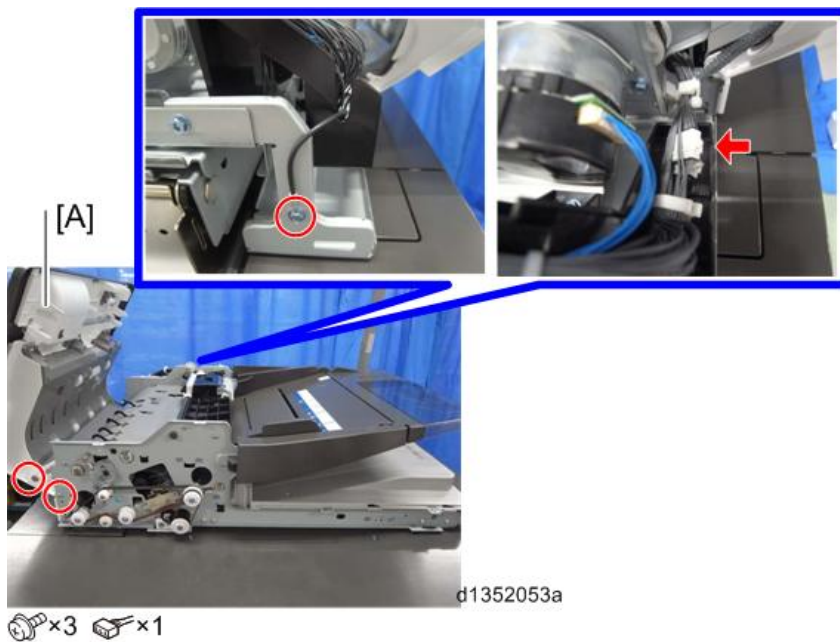
Note

- Check the position of the hooks in the photo below before removing



ADF Feed Cover

- 1.** Remove the ADF front cover. ([ADF Front Cover](#))
- 2.** Remove the ADF rear cover. ([ADF Rear Cover](#))
- 3.** Remove the ADF feed cover [A].

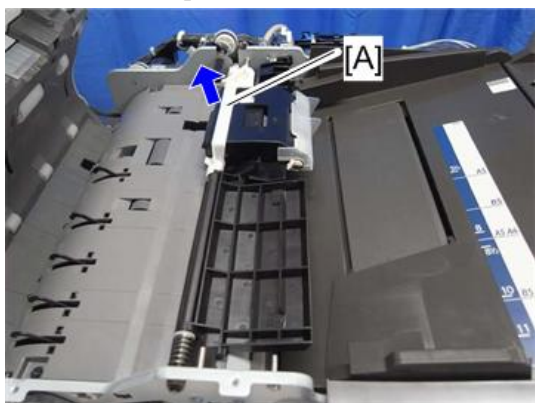


Original Feed Unit

- 1.** Open the ADF feed cover.

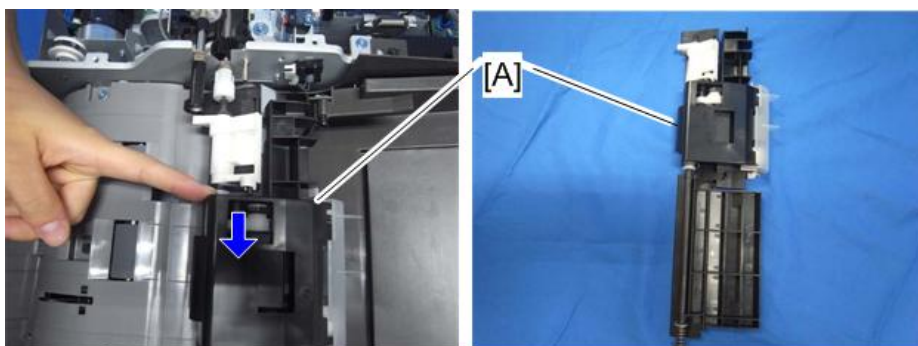
4.Replacement and Adjustment

2. Remove the snap-fit [A].



d1352054

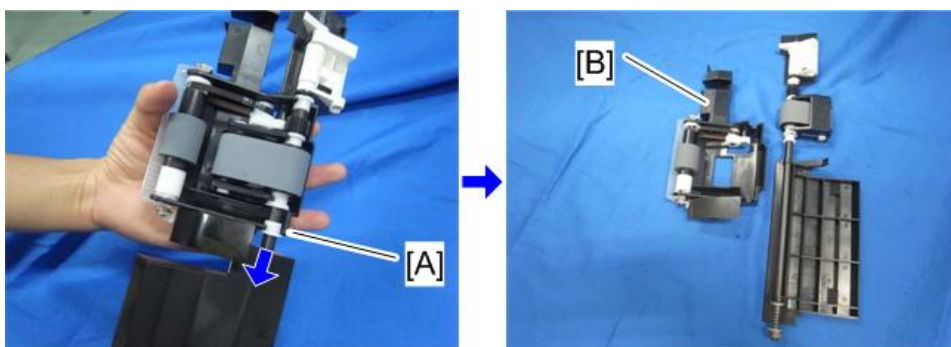
3. Remove the original feed unit [A]. (Pull the original feed unit, and remove the back side of the shaft. Then remove the bushing in the foreground.)



d1352055

Pick-up Roller, Transport Belt

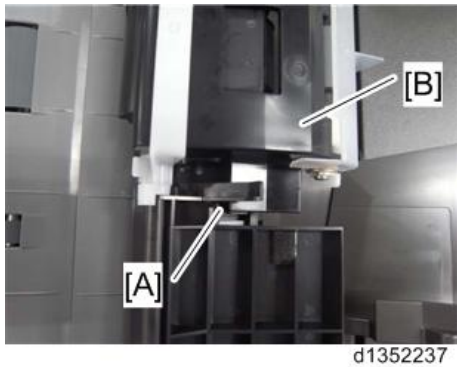
1. Remove the original feed unit. (Original Feed Unit)
2. Slide the resin bushing [A], and then remove the pick-up roller unit [B].



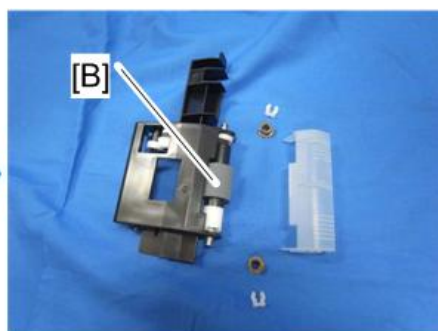
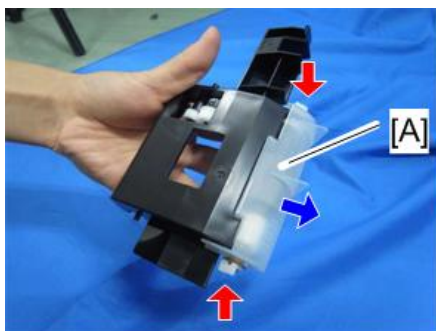
d1352058

Note

- At re-assembly, make sure that the tab on the front guide plate [A] is above the pick-up roller [B].



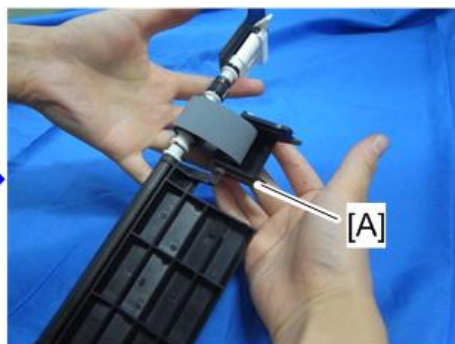
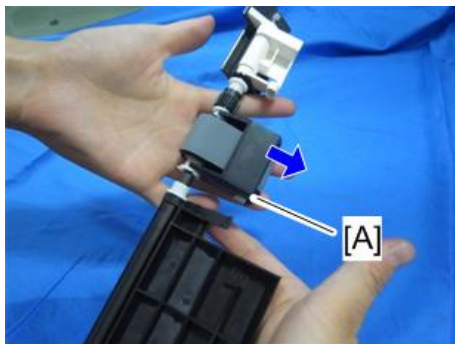
3. Pick-up roller cover [A] and pick-up roller [B].



✎x2

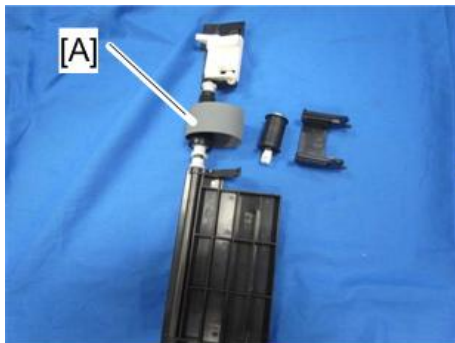
d1352059a

4. Lift the left and right sides of the feed belt holder [A], then remove it.



d1352060

5. Remove the feed belt [B] from the feed belt holder [A].

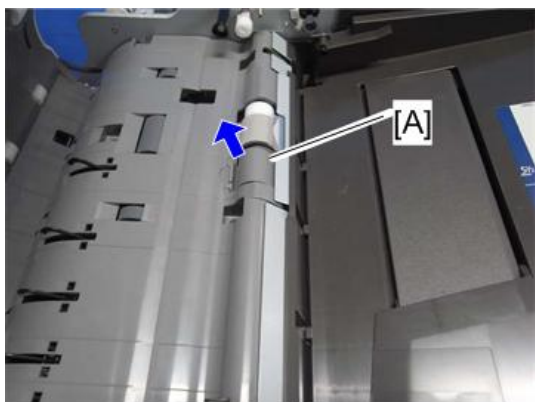


d1352061

4.Replacement and Adjustment

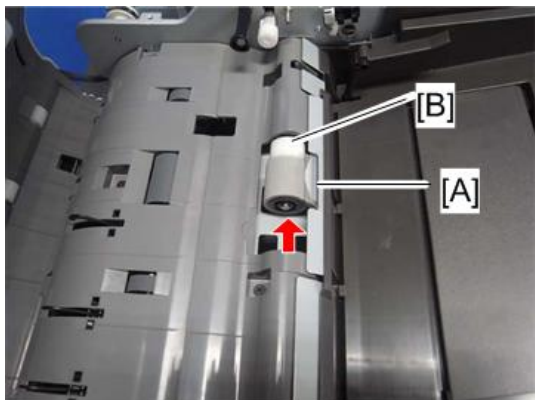
ADF Separation Roller

1. Remove the original feed unit ([Original Feed Unit](#))
2. Remove the ADF separation roller cover [A].



d1352056

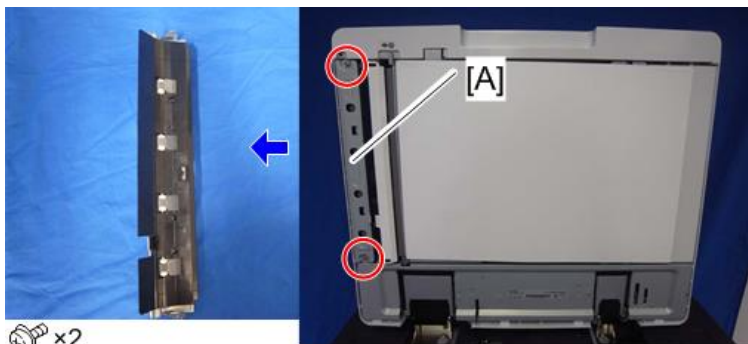
3. Remove the snap-fit. Then, remove the ADF separation roller [A] and torque limiter clutch [B].



d1352057

Original Registration Sensor

1. Remove the entrance lower guide [A].



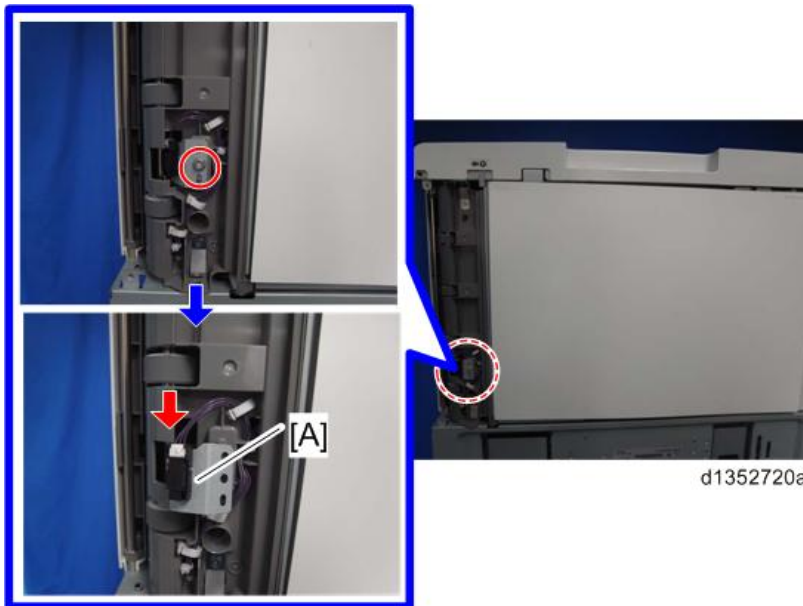
d1352717a

2. Disconnect a hook, and remove the scanning guide plate [A].



d1352718

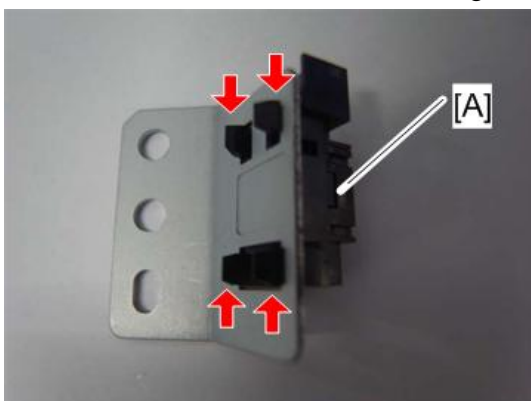
3. Remove the original registration sensor [A] along with the bracket.



d1352720a

⚙️ x1 📦 x1

4. Disconnect the hooks, and remove the original registration sensor [A].

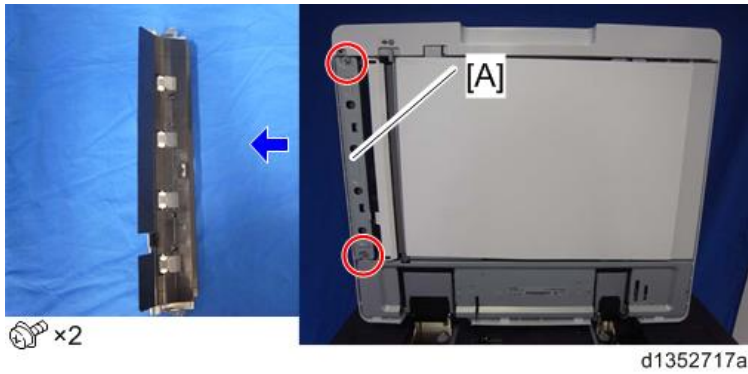


d1352064

4.Replacement and Adjustment

Original Exit Sensor

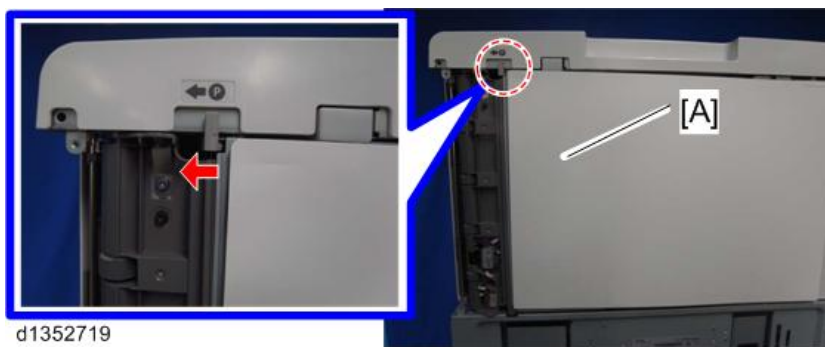
1. Remove the entrance lower guide [A].



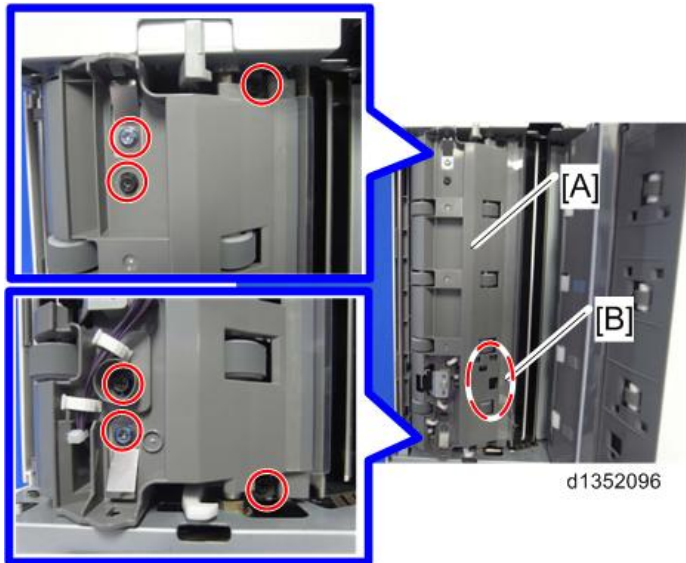
2. Disconnect a hook, and remove the scanning guide plate [A].



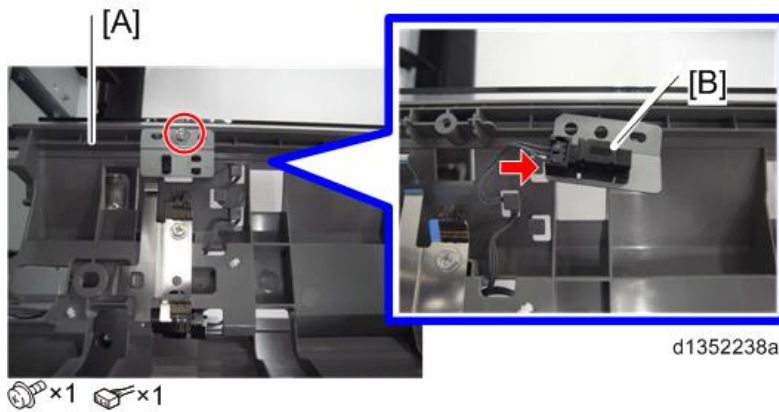
3. Open the white cover [A].



4. Remove the original exit sensor [B], which is mounted on the upper guide [A]. (⚙️ x 6)

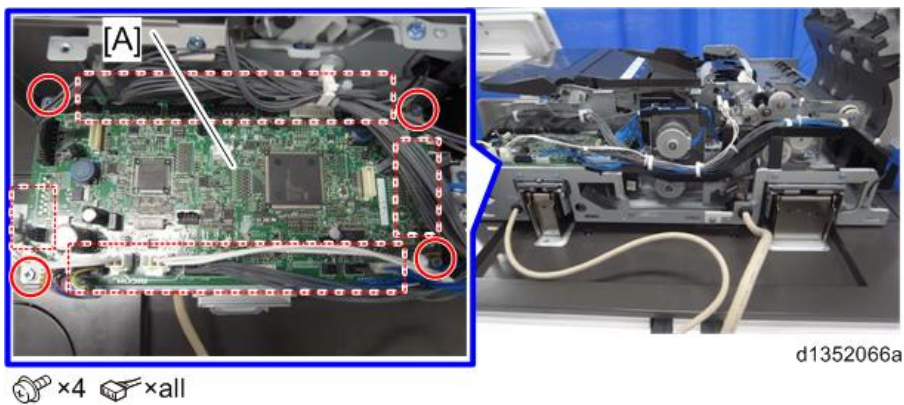


5. Remove the original exit sensor [B] from the upper guide [A].



ADF Control Board

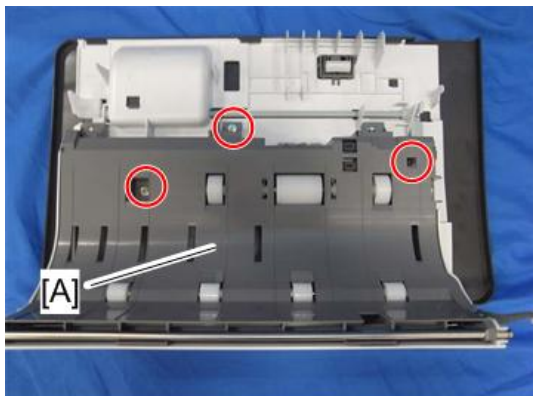
1. Remove the ADF rear cover. ([ADF Rear Cover](#))
2. Remove the ADF control board [A].



4.Replacement and Adjustment

Separation Sensor, Skew Correction Sensor

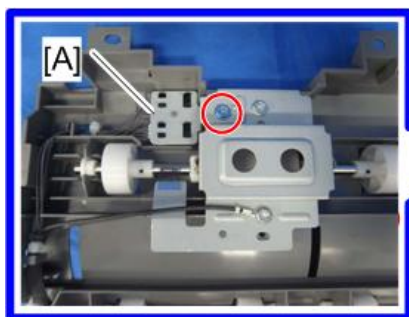
1. Remove the feed upper guide [A] in the ADF feed cover.



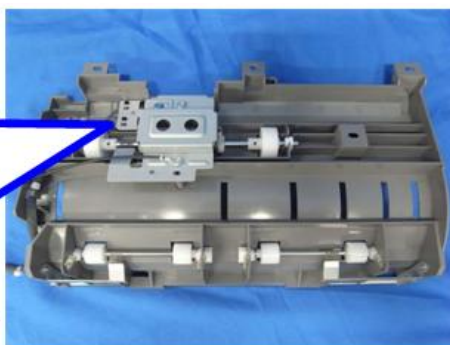
⚙️ ×3

d1352067a

2. Remove the sensors along with the bracket [A].

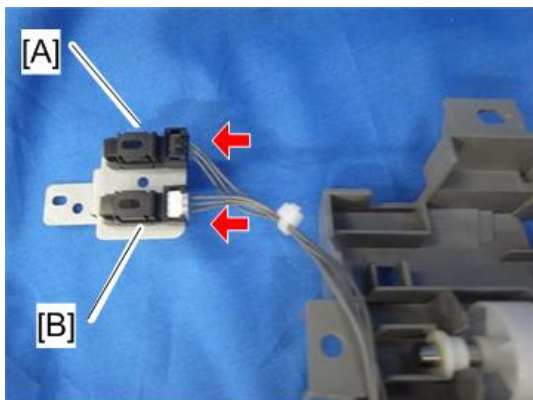


⚙️ ×1



d1352068a

3. Remove the separation sensor [A] and skew correction sensor [B].



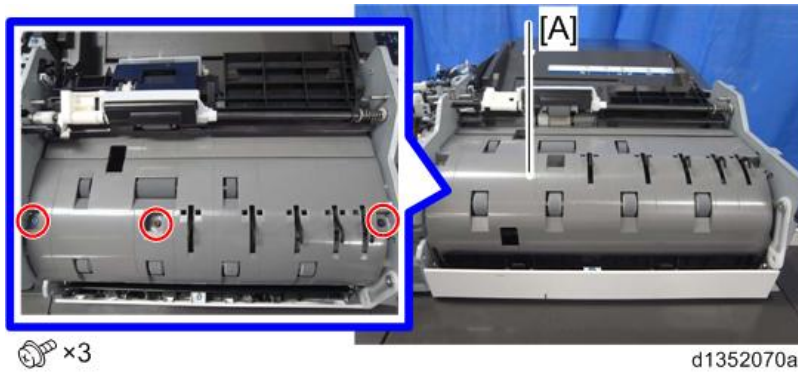
⚙️ ×2

d1352069a

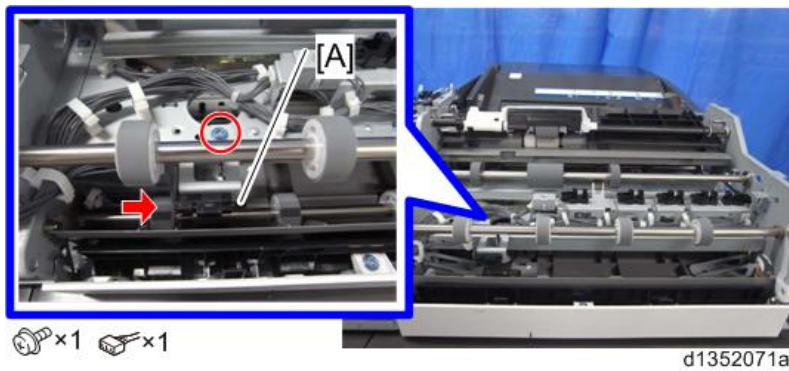
Original Width Sensors, Interval Sensor

1. Remove the ADF feed cover. ([ADF Feed Cover](#))

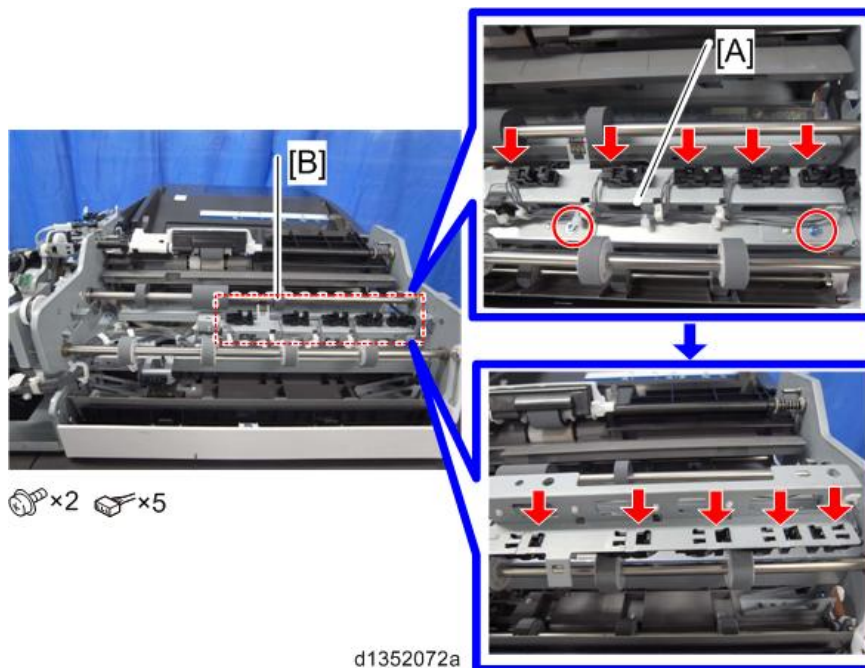
2. Remove the guide plate [A].



3. Remove the interval sensor [A].



4. Remove the original width sensor guide plate [A], then remove the original width sensors (x 5) [B].



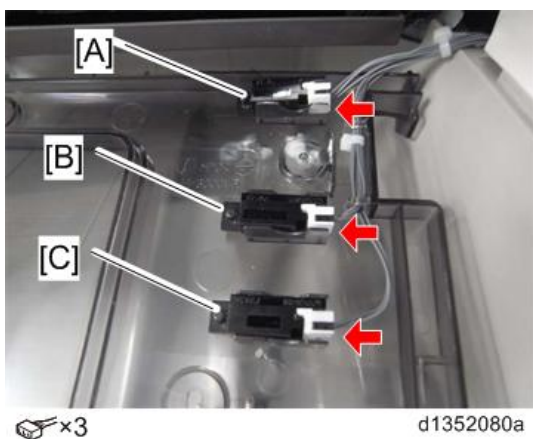
4.Replacement and Adjustment

Original Length Sensor (B5, A4, LG)

1. Raise the document tray [A], then remove the lower cover [B].

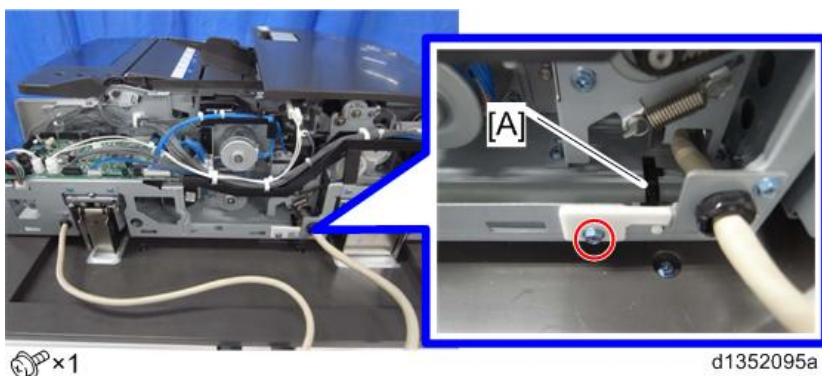


2. Remove the original length sensor (B5) [A], original length sensor (A4) [B] and original length sensor (LG) [C].



APS Feeler

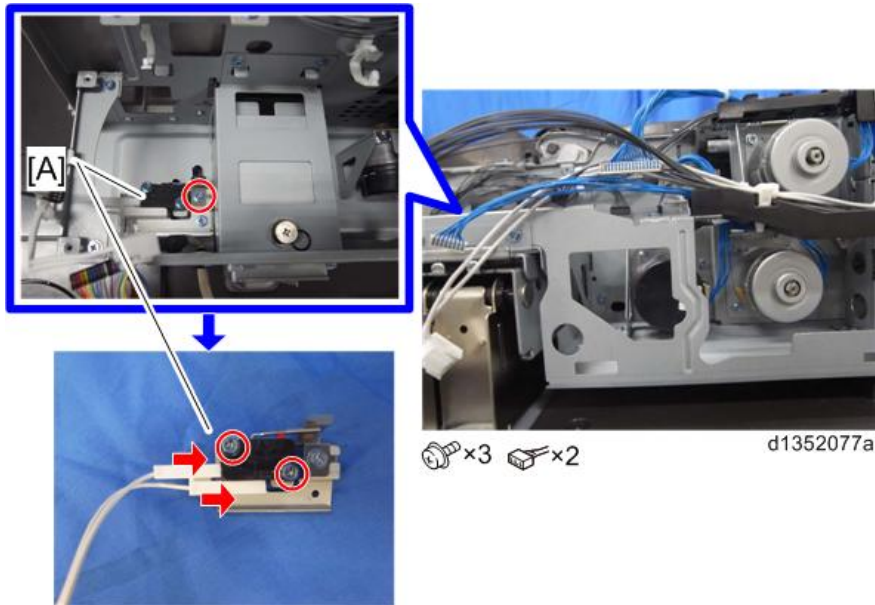
1. Remove the ADF rear cover (ADF Rear Cover)
2. Remove the APS feeler [A].



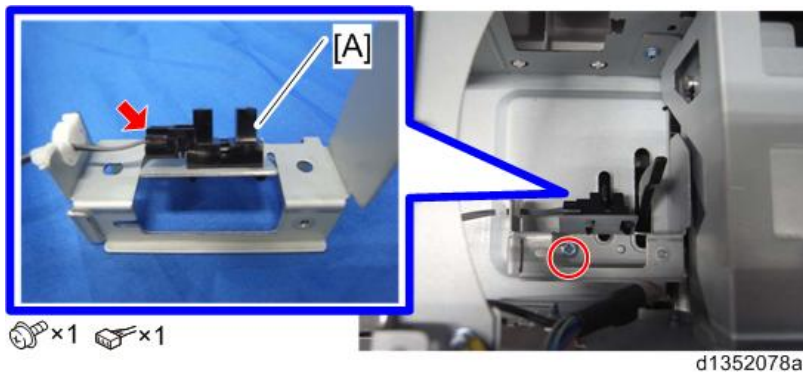
ADF Lift-Up Interlock Switch, Lift-Up Sensor

1. Remove the ADF control board. (ADF Control Board)

2. Remove the ADF lift-up interlock switch [A] along with the bracket.

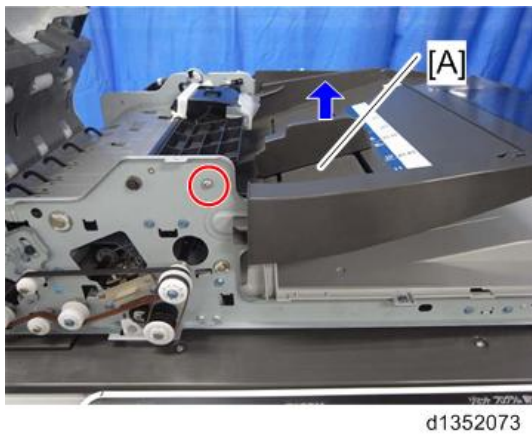


3. Remove the lift-up sensor [A].



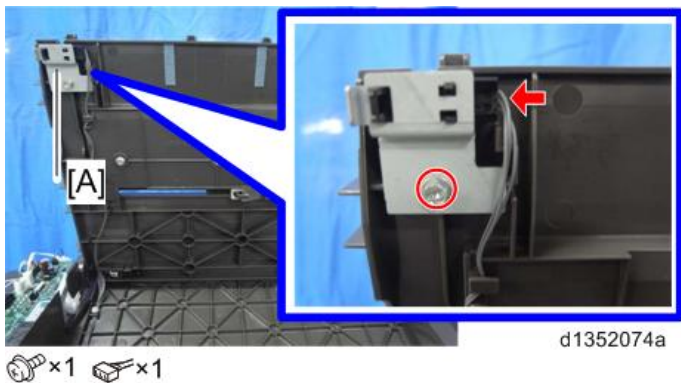
Original Set Sensor

1. Remove the ADF front cover. (ADF Front Cover)
2. Remove the screw and raise the original tray [A].



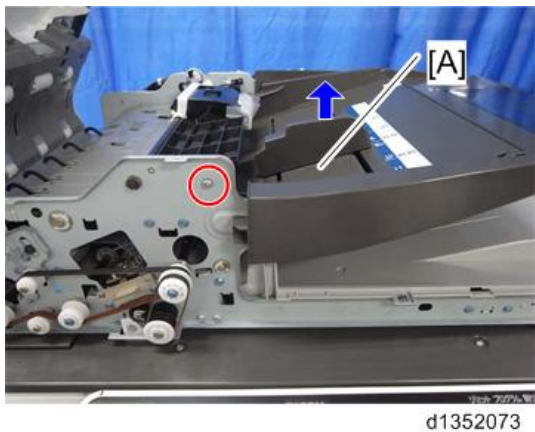
4.Replacement and Adjustment

3. Remove the original set sensor [A].

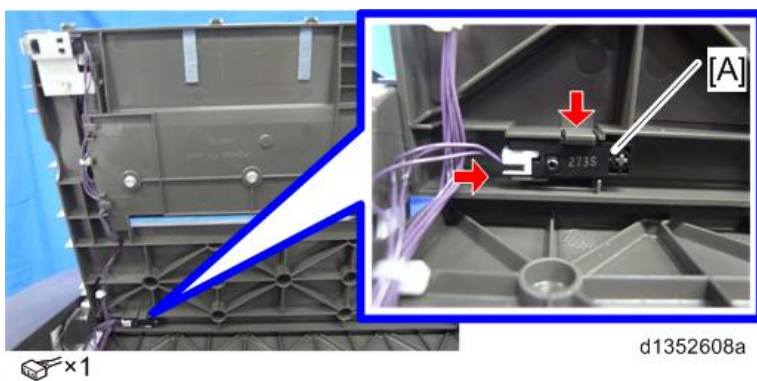


Original Length Sensor (A4/LT)

1. Remove the ADF front cover. (ADF Front Cover)
2. Remove the screw and raise the original tray [A].



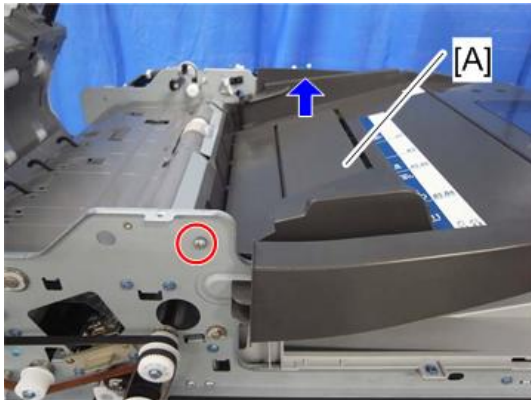
3. Disconnect a hook, and remove the original length sensor (A4/LT) [A].



Bottom Plate HP Sensor

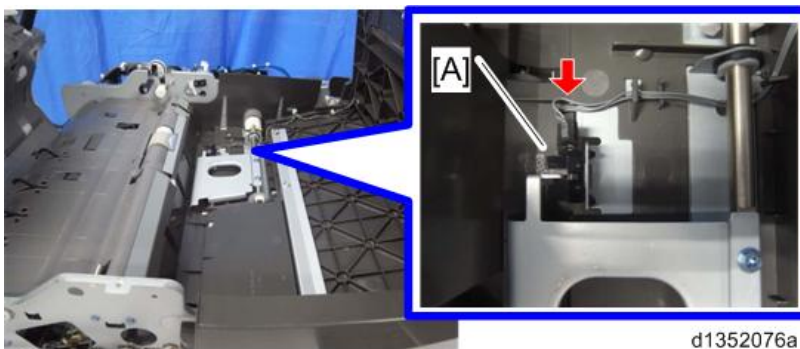
1. Remove the original feed unit. (Original Feed Unit)
2. Remove the ADF front cover. (ADF Front Cover)

3. Remove the screw and raise the original tray [A].



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4. Remove the bottom plate HP sensor [A].

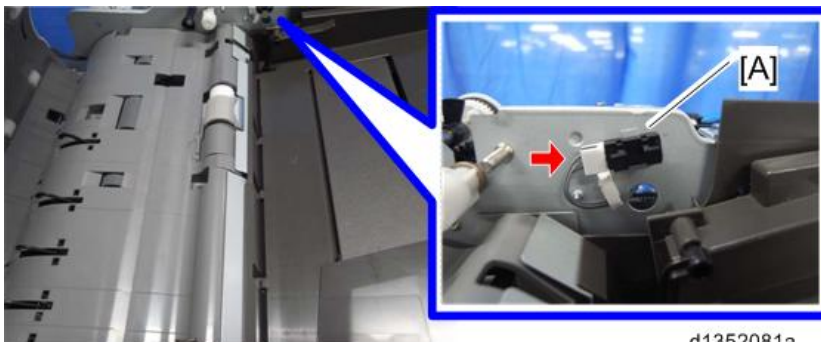


d1352076a

🔧×1

Bottom Plate Position Sensor

1. Remove the original feed unit. (Original Feed Unit)
2. Remove the ADF front cover. (ADF Front Cover)
3. Remove the bottom plate position sensor [A].



d1352081a

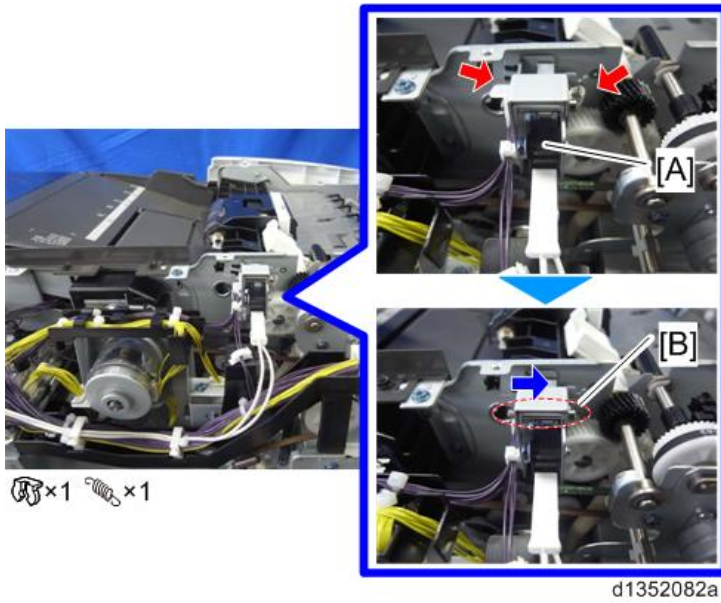
🔧×1

ADF Feed Cover Interlock Switch, Pick-up Roller HP Sensor

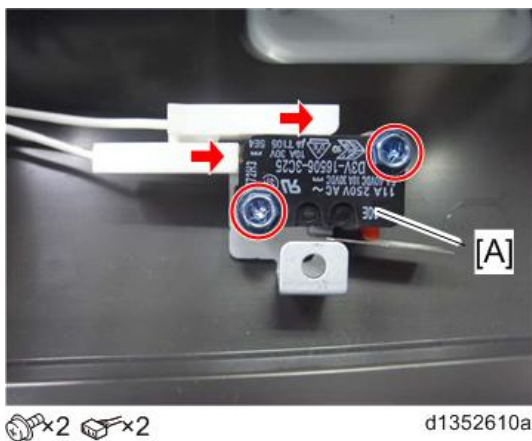
1. Remove the ADF rear cover. (ADF Rear Cover)

4.Replacement and Adjustment

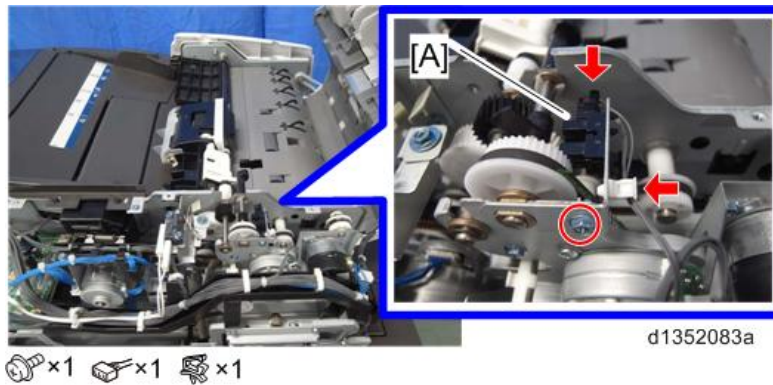
2. Remove the ADF feed cover interlock switch [A] from the retaining bracket. (Pull the pin [B] to the right.)



3. Remove the ADF feed cover interlock switch [A].



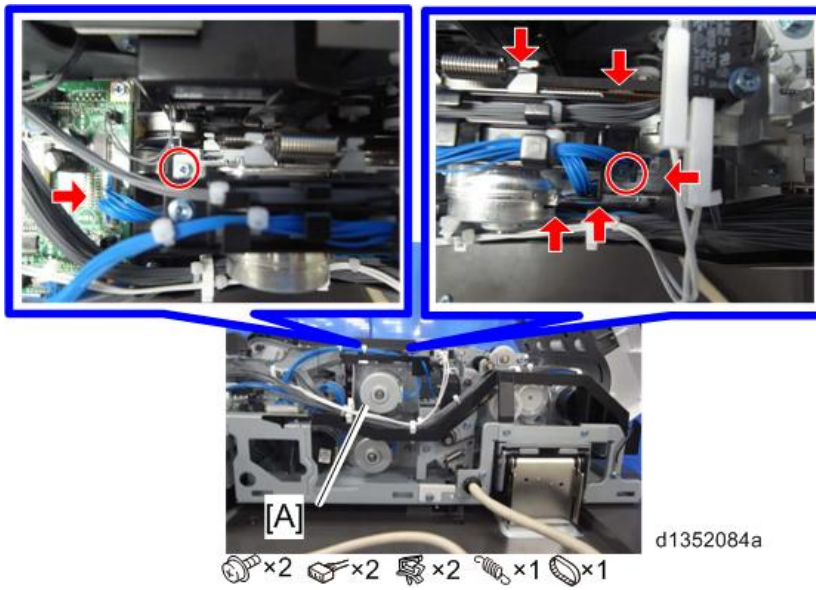
4. Remove the pick-up roller HP sensor [A] along with the bracket.



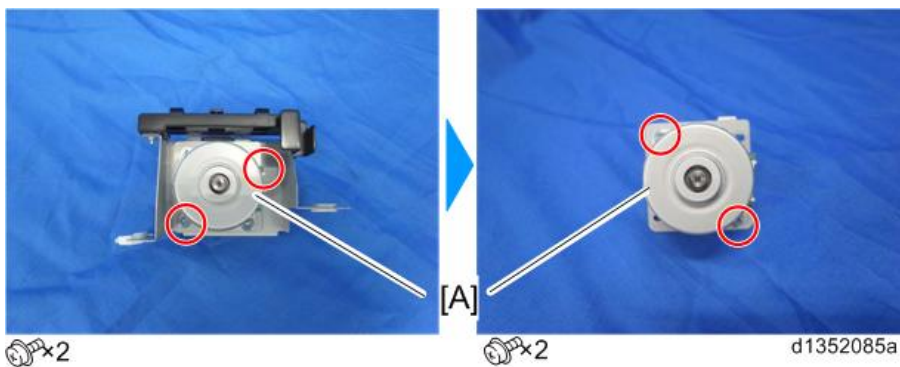
ADF Entrance Motor

1. Remove the ADF rear cover. ([ADF Rear Cover](#))

- 2.** Remove the ADF entrance motor [A] along with the frame.



- 3.** Remove the ADF entrance motor [A] from the bracket.

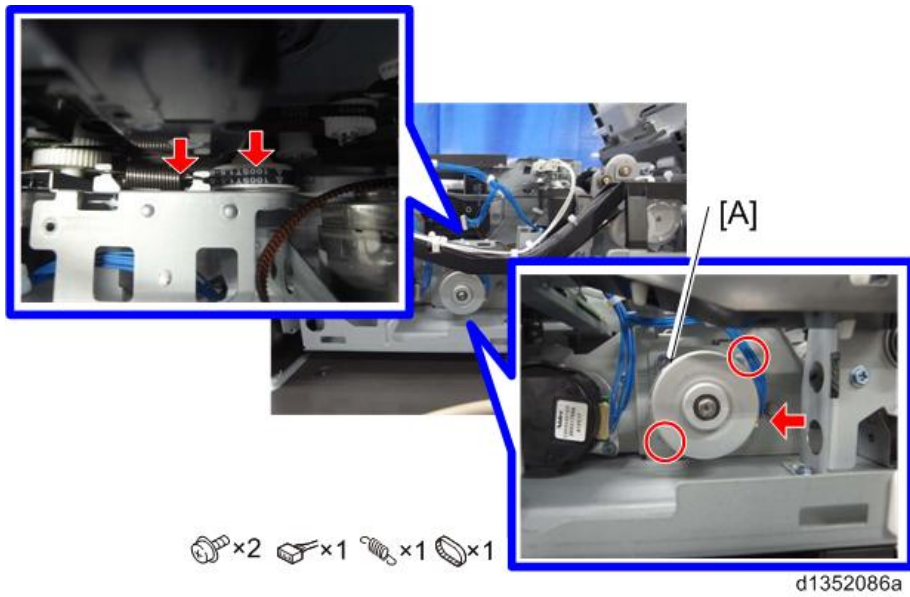


ADF Scanning Motor

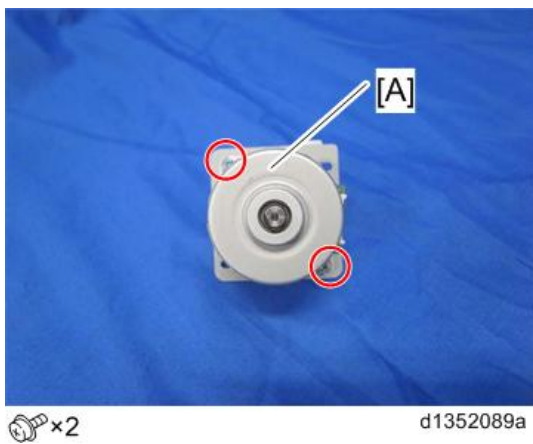
- 1.** Remove the ADF entrance motor along with the frame. (ADF Entrance Motor)

4.Replacement and Adjustment

2. Remove the ADF scanning motor [A] along with the bracket.



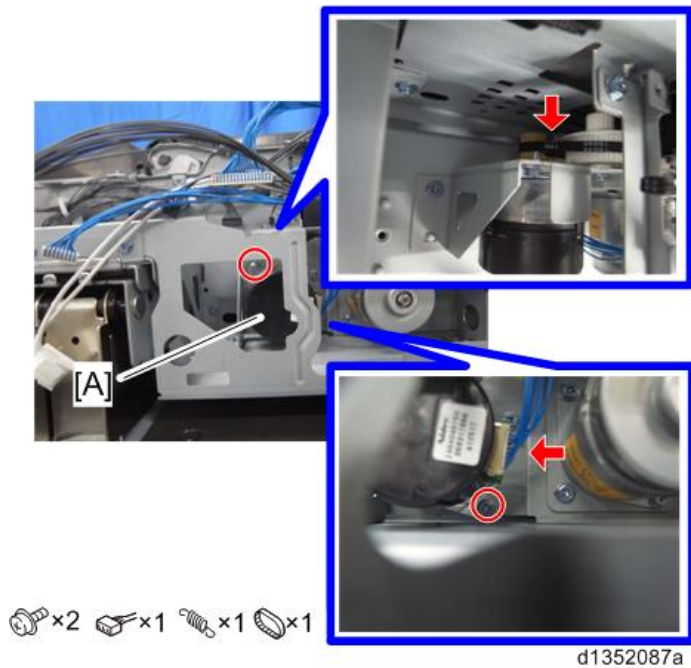
3. Remove the ADF scanning motor [A] from the bracket.



ADF Exit Motor

1. Remove the ADF control board. (ADF Control Board)

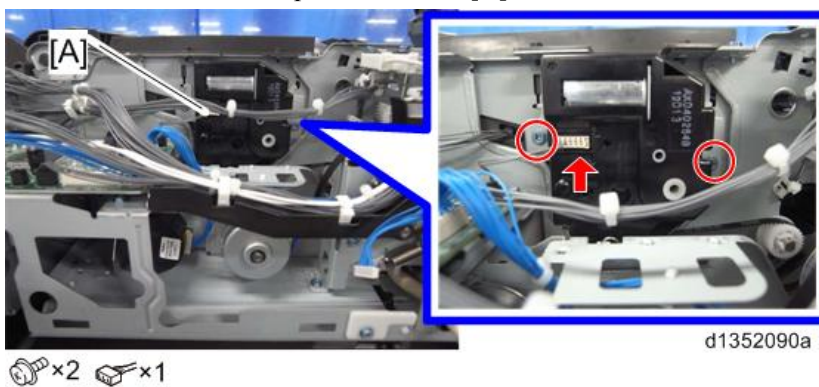
2. Remove the ADF exit motor [A].



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ADF Bottom Plate Lift Motor

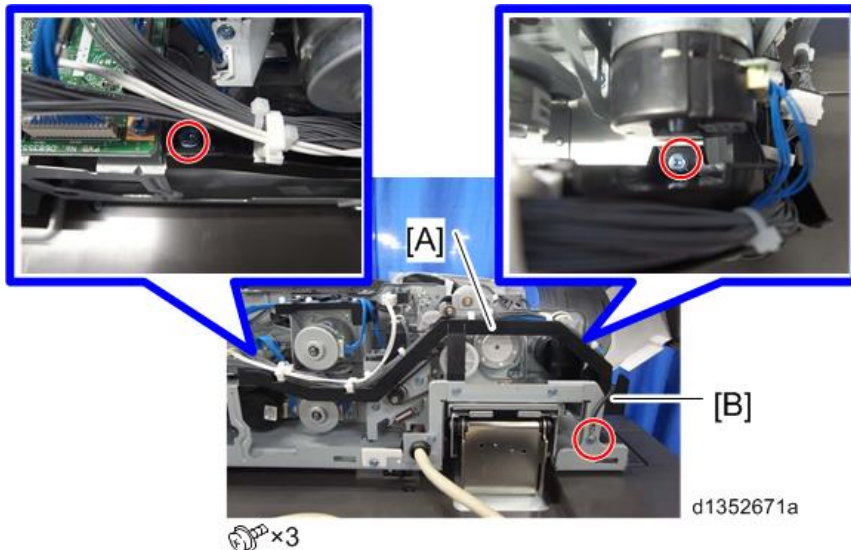
1. Remove the ADF entrance motor along with the frame. (ADF Entrance Motor)
2. Remove the ADF bottom plate lift motor [A].



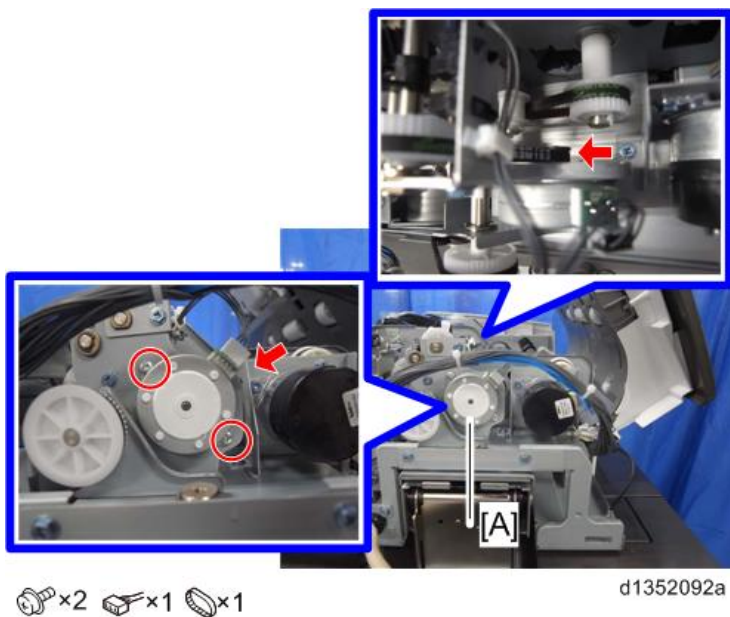
4.Replacement and Adjustment

ADF Pick-up Roller Lift Motor

1. Remove the ADF rear cover. ([ADF Rear Cover](#))
2. Remove the frame (black) [A] and the grounding wire [B].



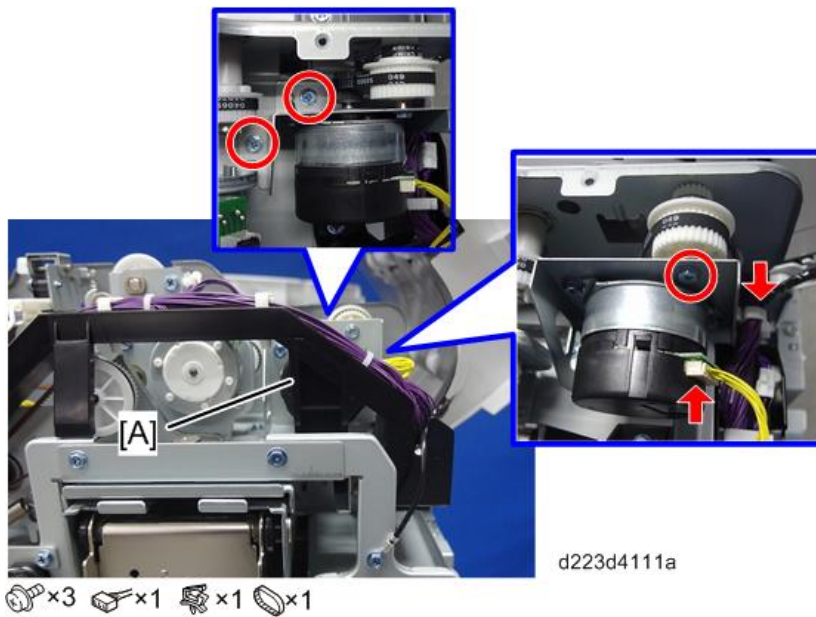
3. Remove the ADF pick-up roller lift motor [A].



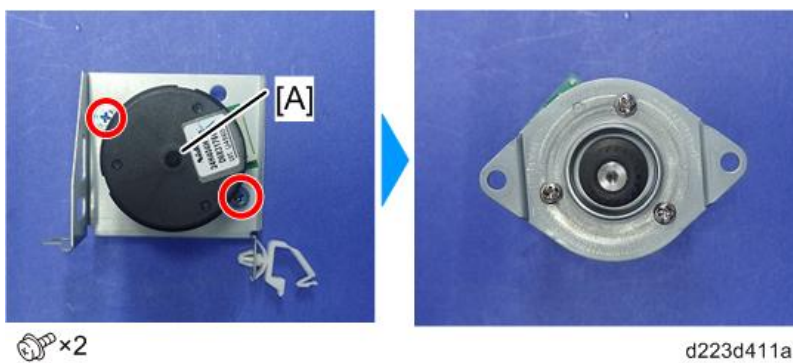
ADF Transport Motor

1. Remove the ADF rear cover. ([ADF Rear Cover](#))

2. Remove the ADF transport motor along with the bracket.

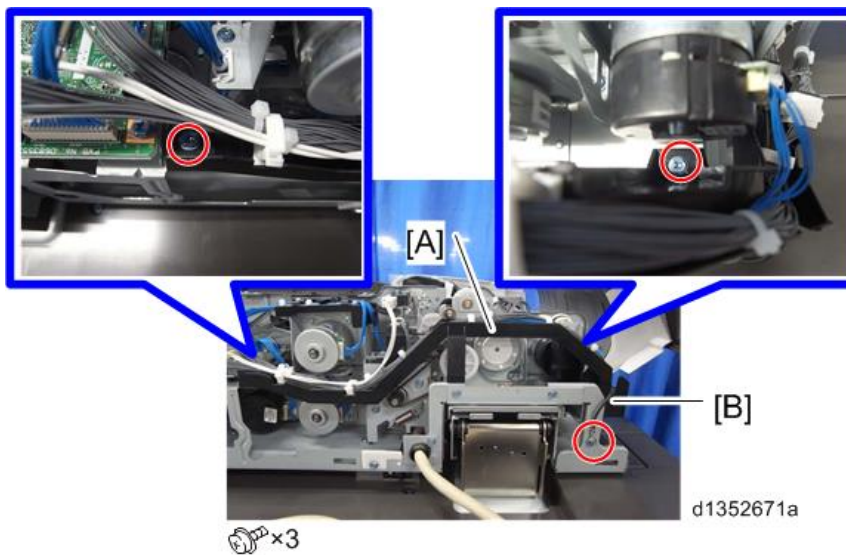


3. Remove the ADF transport motor from the bracket.



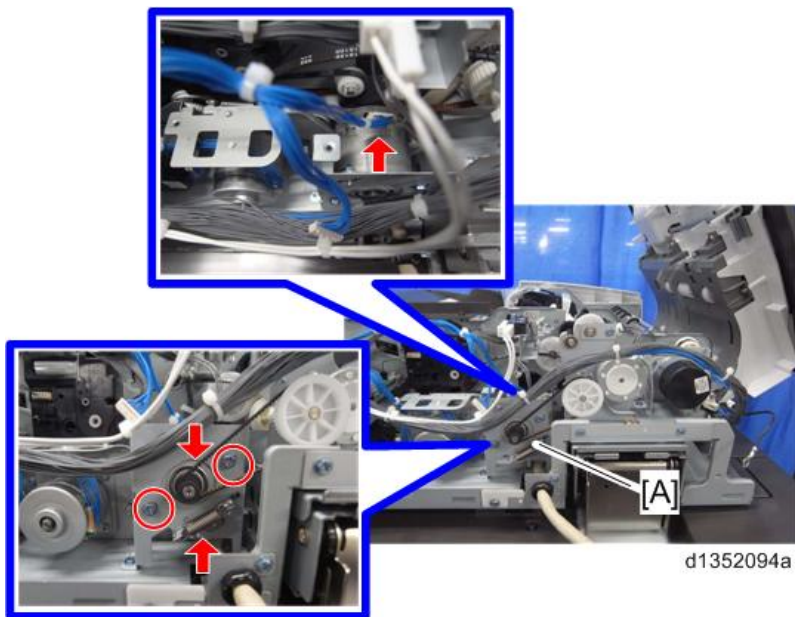
ADF Feed Motor

1. Remove the ADF rear cover. (ADF Rear Cover)
2. Remove the frame (black) [A] and the grounding wire [B].



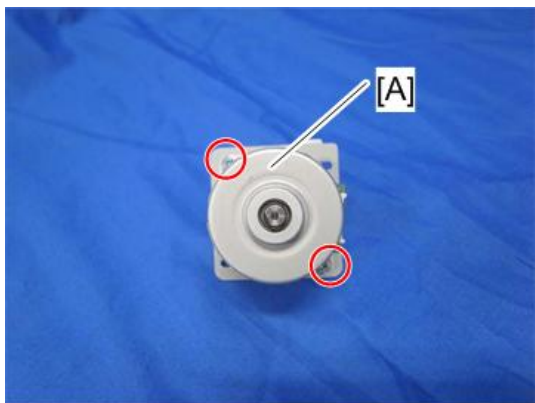
4.Replacement and Adjustment

- 3. Remove the ADF entrance motor along with the frame. (ADF Entrance Motor)
- 4. Remove the ADF feed motor [A] along with the bracket.



⚙️ ×2 📏 ×1 🌀 ×1 🌀 ×1

- 5. Remove the ADF feed motor [A] from the bracket.



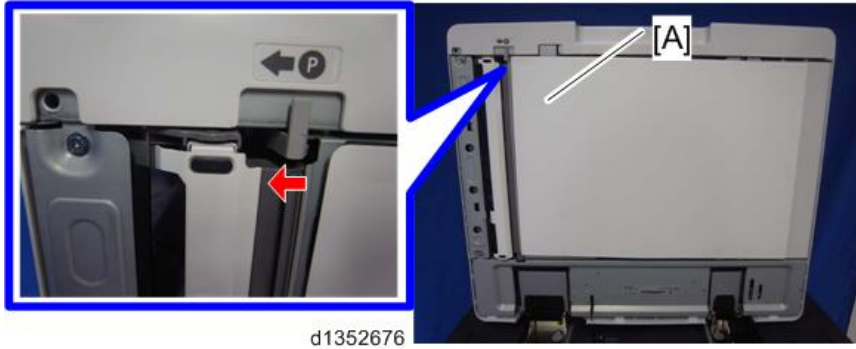
⚙️ ×2

d1352089a

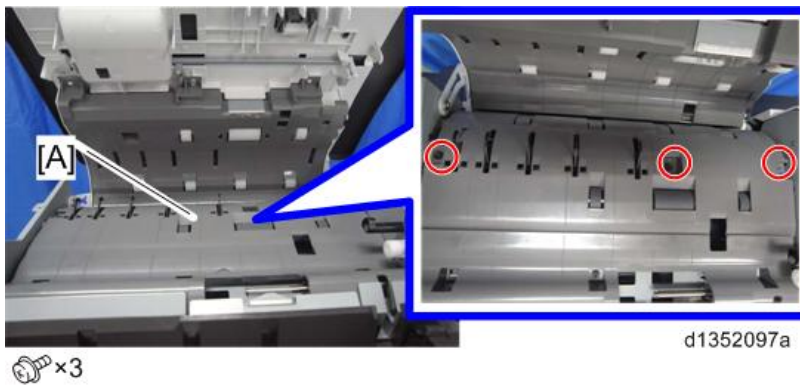
CIS Unit

 Note

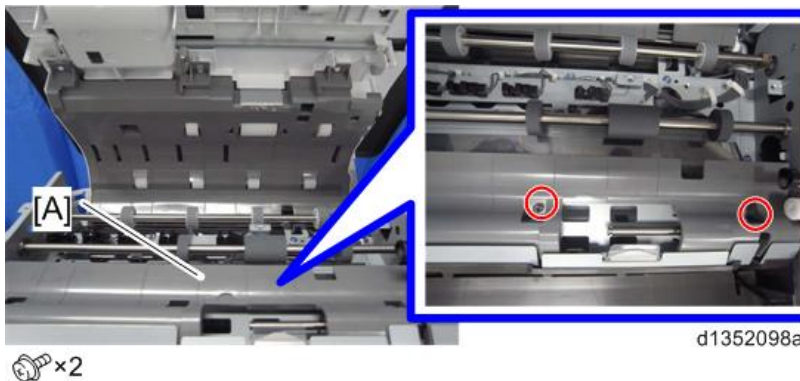
- To prevent scratches on the surface of the CIS glass, removal of the CIS unit must be done with the white cover [A] open.



1. Remove the original feed unit. (Original Feed Unit)
2. Remove the ADF separation roller. (ADF Separation Roller)
3. Remove the ADF front cover. (ADF Front Cover)
4. Remove the guide plate (large) [A].

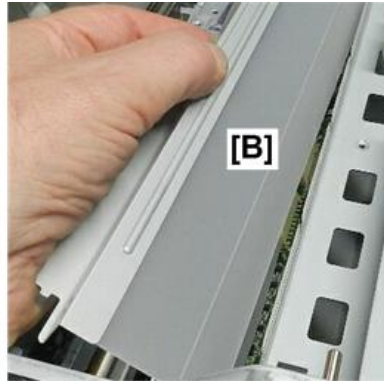
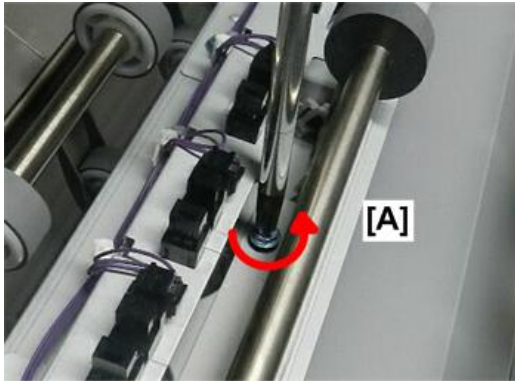


5. Remove the guide plate (small) [A].



4.Replacement and Adjustment

6. Remove the guide plate [A].



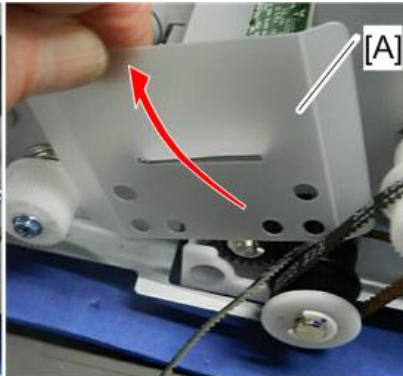
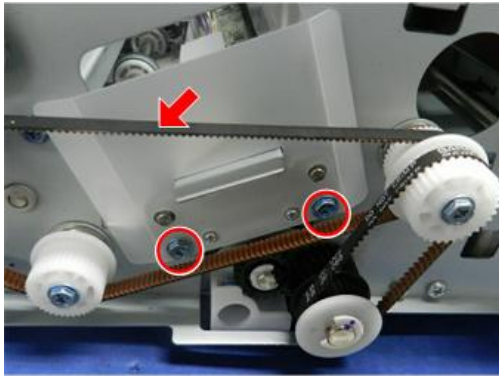
 x1



d223c3522a

Note

- Do not fold or bend the guide plate [A], because the mylar [B] is attached to the plate.

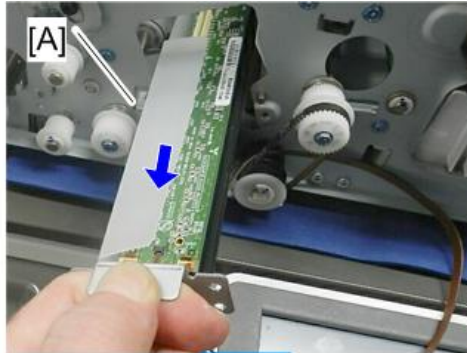
7. Remove the mylar [A] from the front side.



 x1  x1

d223c3523a

8. Pull the CIS unit [A] out slowly, and lay it on a flat and clean surface.



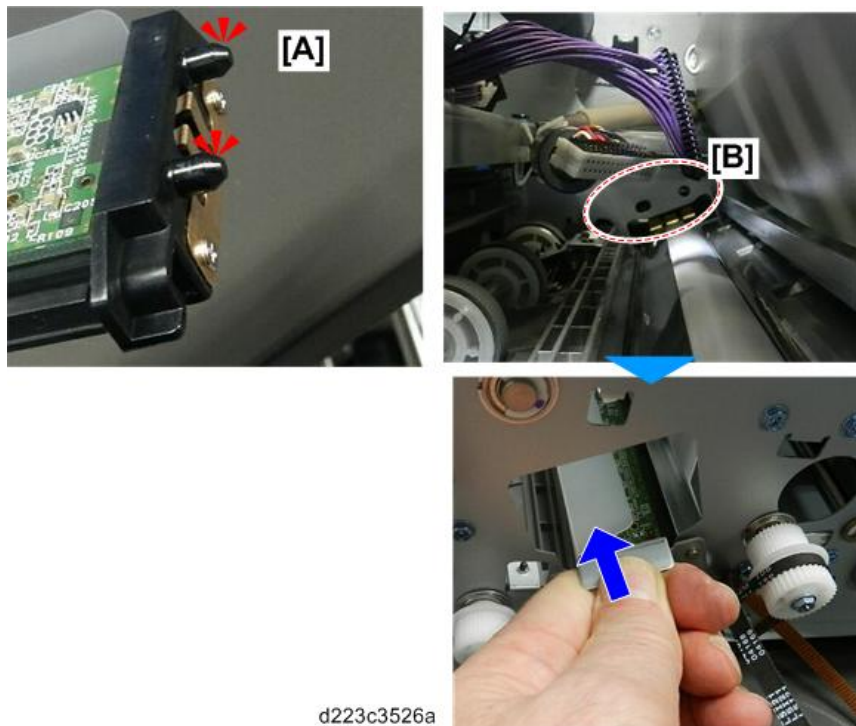
 x2



d223c3524a

Note

- To re-install the CIS unit, two pegs [A] of the CIS unit fit into two holes [B] at the back of the ADF unit. Set the CIS in its channel so it is perfectly flat, and push it slowly to the rear until the pegs slide into the holes.



CIS Gray Balance Adjustment

After replacing the CIS unit, perform the CIS gray balance adjustment as follows.

The parameters written in FROM (GB coefficient, pixel interpolation coefficient) are saved to the machine by executing these SPs.

1. Execute SP4-730-001 (FROM ADF Factory Setting: CIS Parameter).
2. Execute SP4-730-004 (FROM Data Update).
3. Execute SP4-730-002 (FROM Main Factory Setting: Execution ON/OFF).

Note

- When executing the SPs, the ADF and the ADF feed cover should be closed.

CIS White Roller Cleaning

Note

- Frequently inspect the CIS white roller. A dirty or incorrectly installed white roller will cause the machine to issue SC152-00 (White Level Error: Back Side).

1. Open the ADF.

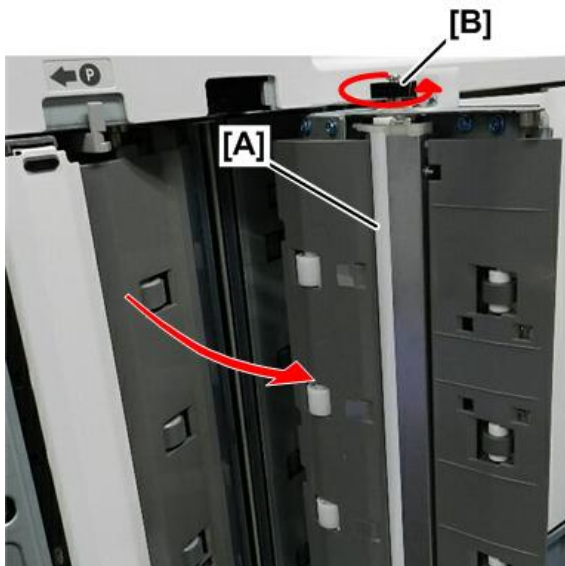
4.Replacement and Adjustment

2. Release the pawl at the upper left corner, and open the white plate.



d223c3741

3. Keep the white cover opened, and rotate the white roller [A] by its gear [B], while using a clean, dry cloth to wipe the surface of the roller clean.

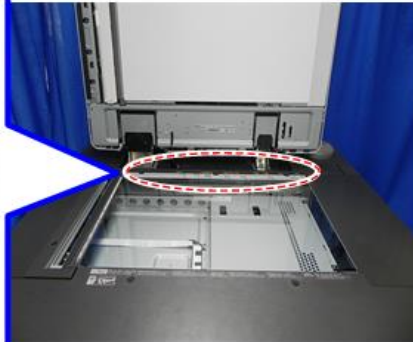
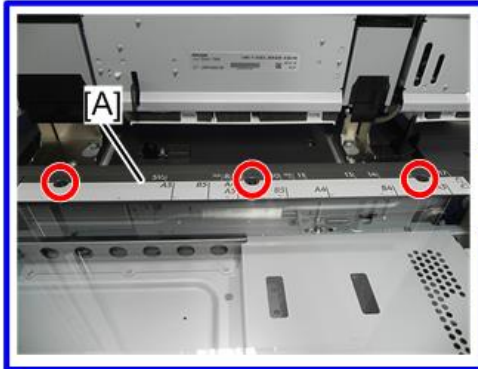


d223d4110

Scanner Unit

Exposure Glass

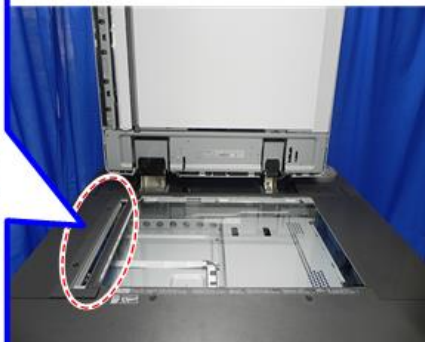
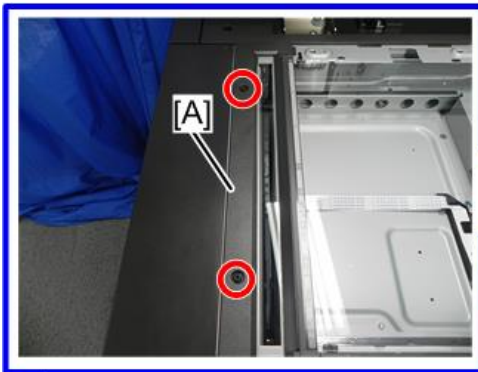
1. Remove the rear scale [A].



 ×3

d257a4208

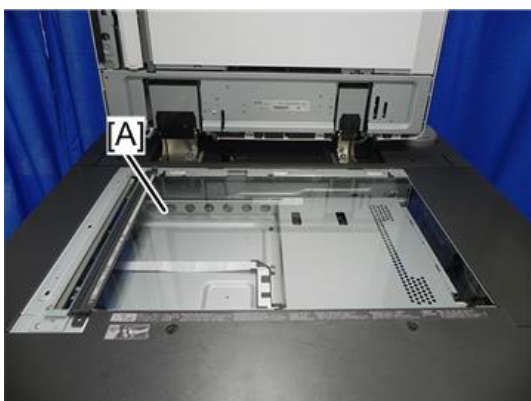
2. Remove the glass cover [A].



 ×2

d257a4209

3. Remove the exposure glass [A].



d257a4210

Note

- When attaching the glass cover, ensure that the glass cover is not riding on the upper front cover or the upper rear small cover.

4.Replacement and Adjustment

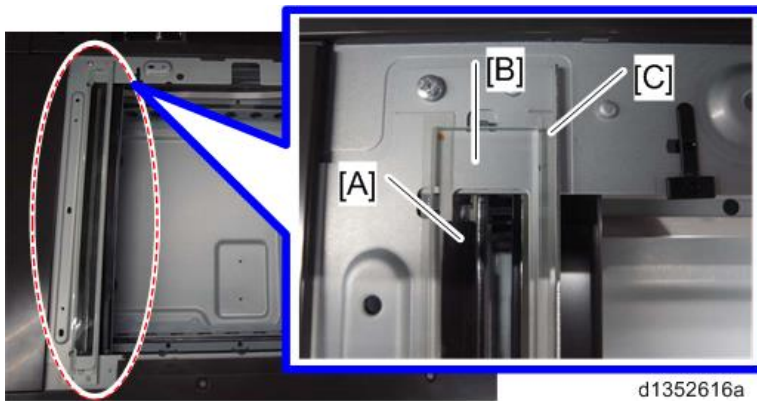
ADF Exposure Glass, Gap Sheet (MP C6503/C8003)

Note

- The document transport system of the ADF is different between MP C6503/C8003 and Pro C5200S/C5210S. MP C6503/C8003 uses a new non-contact transport system, so the glass replacement procedure is changed accordingly.

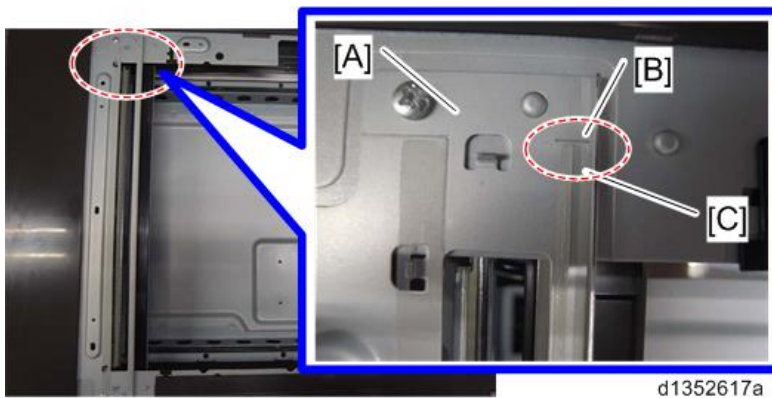
How to Remove the ADF Exposure Glass and the Gap Sheet

1. Remove the exposure glass ([Exposure Glass](#))
2. Remove the gap sheet (black) [A], ADF exposure glass [B] and exposure glass seal (transparent) [C].

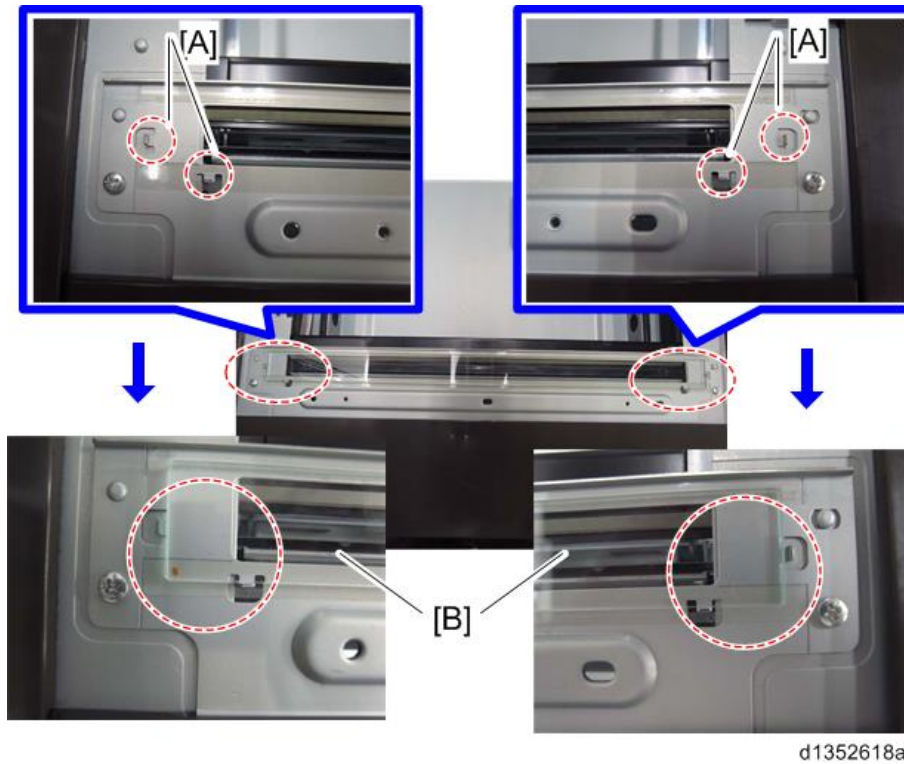


How to Attach the ADF Exposure Glass and the Gap Sheet

1. Clean the place to attach the exposure glass seal on the exposure glass bracket with alcohol.
2. Attach the exposure glass seal [C] so that the corner with the angle cut off aligns with the marking [B] on the exposure glass bracket [A].

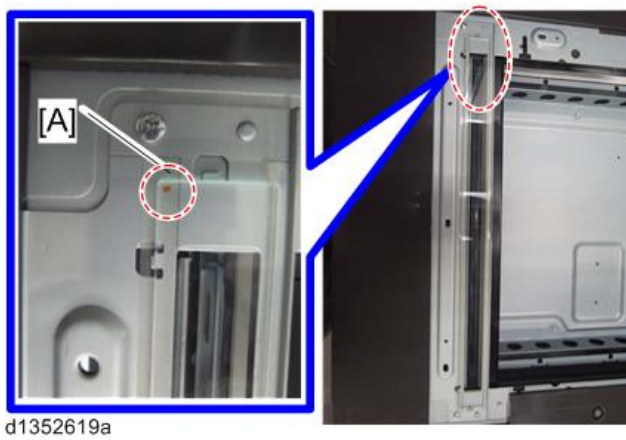


3. Peel off the release paper of the exposure glass seal.
4. Attach the ADF exposure glass [B], so that the edges of the ADF exposure glass touch the tabs [A] on the exposure glass bracket.



Note

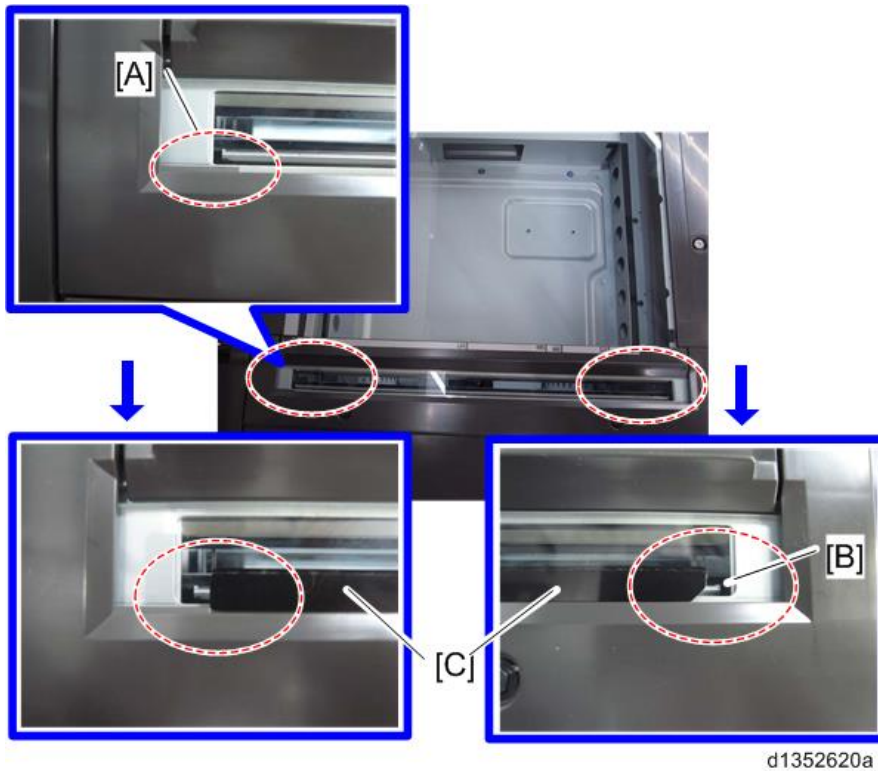
- Attach the ADF exposure glass, so that the marking [A] is on the upper left.



5. Attach in the order of exposure glass, glass cover and rear scale.
6. Clean the ADF exposure glass with a dry cloth.
7. Peel off the release paper of the gap sheet.

4.Replacement and Adjustment

8. Fit the gap sheet [C] to the indented part [A] of the glass cover so that the corner with the angle cut off is at the front [B].



Note

- When replacing an ADF exposure glass, replace with a new exposure glass seal and a gap sheet as well.
- ADF Exposure Glass (Pro C5200S/C5210S): Same as for MP C6503/C8003, except there is no gap sheet.

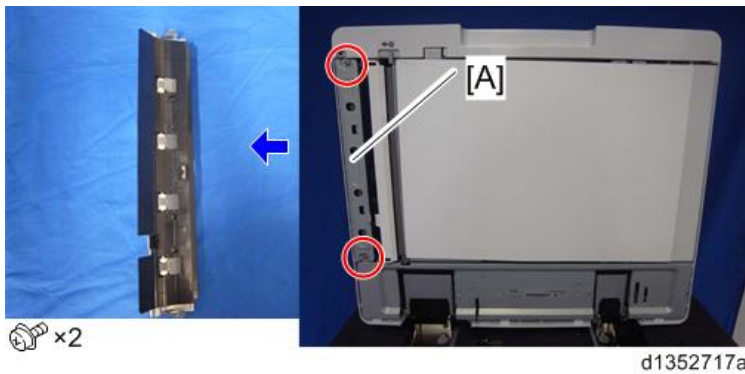
Modification Procedure for Original Transport

For MP C6503/C8003, if you change from contact transport to non-contact transport, it is necessary to replace parts of the scanner unit and the ADF.

Replacing Parts of the ADF

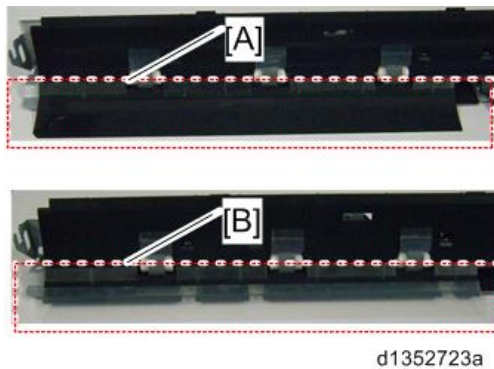
1. Open the ADF.

2. Remove the entrance lower guide unit [A].



Note

- Entrance lower guide unit for non-contact transport: the areas [A] are black.
- Entrance lower guide unit for contact transport (part number: D6833401): the areas [B] are clear and colorless.

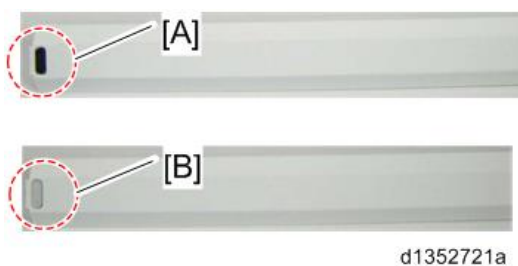


3. Remove the scanning guide plate [A].



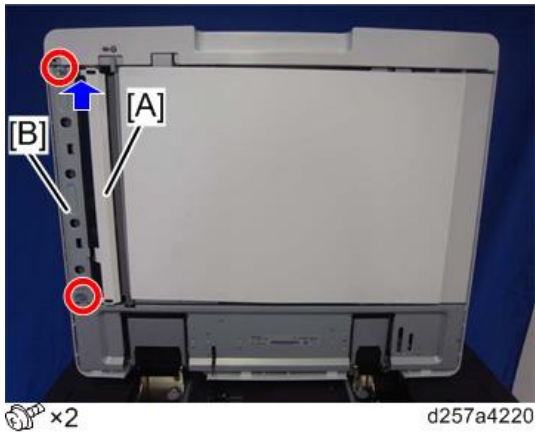
Note

- Scanning guide plate for non-contact transport: the area [A] is black.
- Scanning guide plate for contact transport (part number: D6833350): the area [B] is white.



4.Replacement and Adjustment

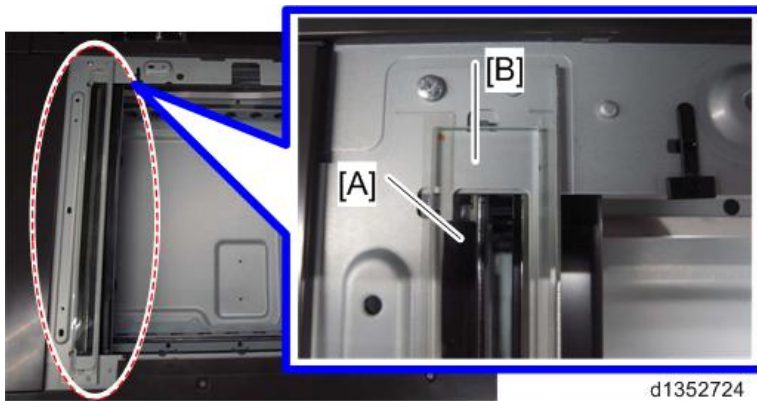
4. Attach the scanning guide plate for contact transport [A].
5. Attach the entrance lower guide unit for contact transport [B].



6. Enter the SP mode, set "98" at SP4-688003 (Scan Image Density Adjustment 1-pass).

Removing the Scanner Parts

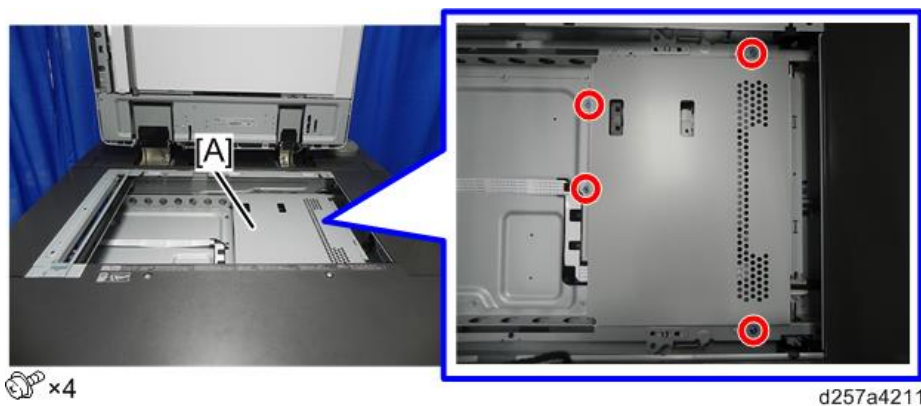
1. Remove the exposure glass. ([Exposure Glass](#))
2. Remove the gap sheet (black) [A] from the ADF exposure glass [B].



3. Clean the ADF exposure glass with alcohol.

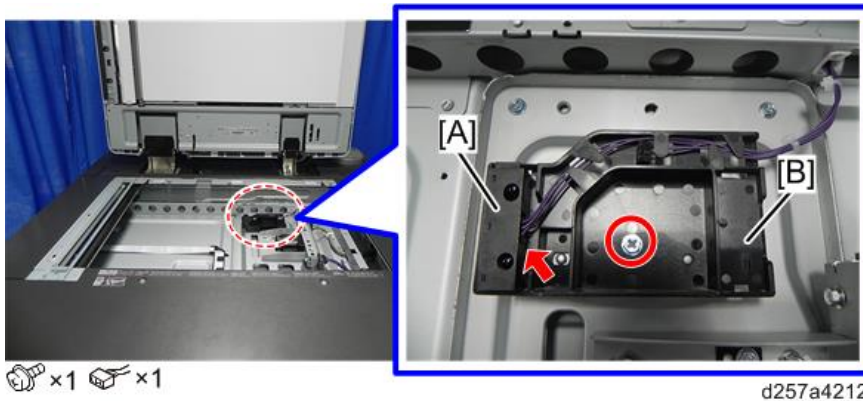
Lens Block, Original Length Sensor

1. Remove the exposure glass. ([Exposure Glass](#))
2. Remove the lens cover [A].

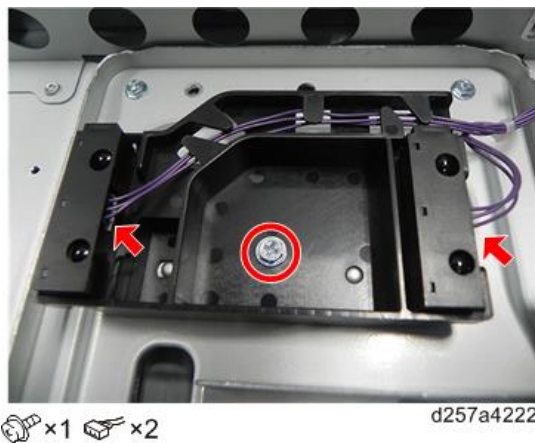


3. Remove the original length sensor [A] and the sensor cradle [B].

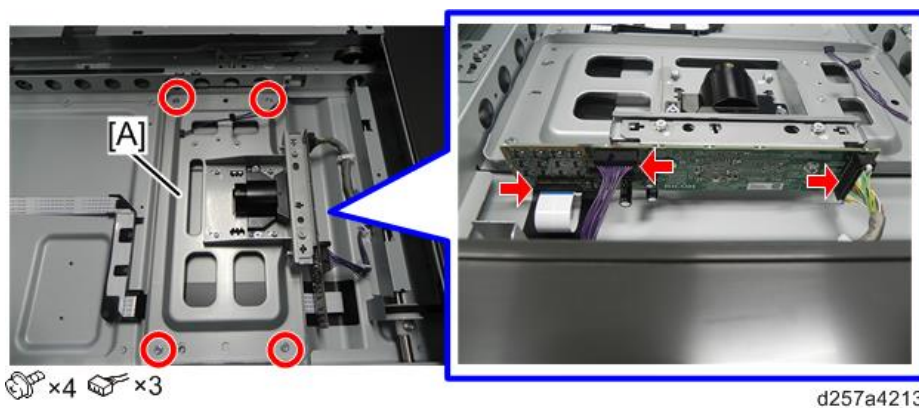
- Pro C5200S/C5210S



- MP C6503/C8003



4. Remove the lens block [A].



Adjustment after Replacing the Lens Block

SP4-008-001: Sub Scan Magnification Adj ("Sub Scan Magnification Adjustment" in [Magnification and Registration Adjustment](#))

SP4-010-001: Sub Scan Registration Adj ("Sub Scan Registration Adjustment" in [Magnification and Registration Adjustment](#))

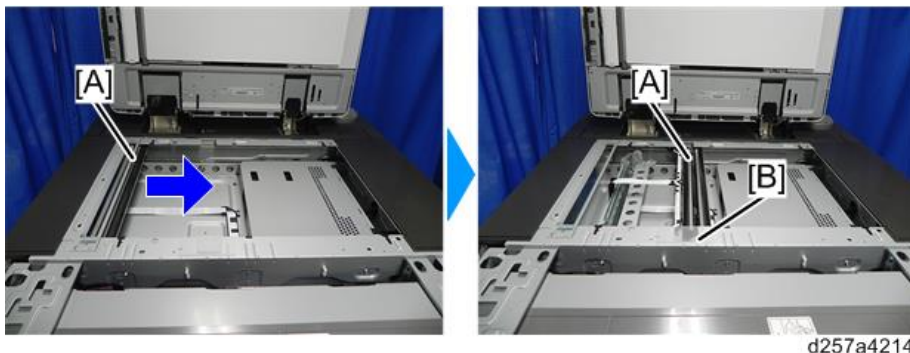
SP4-011-001: Main Scan Reg ("Main Scan Registration Adjustment" in [Magnification and Registration](#))

4.Replacement and Adjustment

Adjustment)

Exposure Lamp (LED)

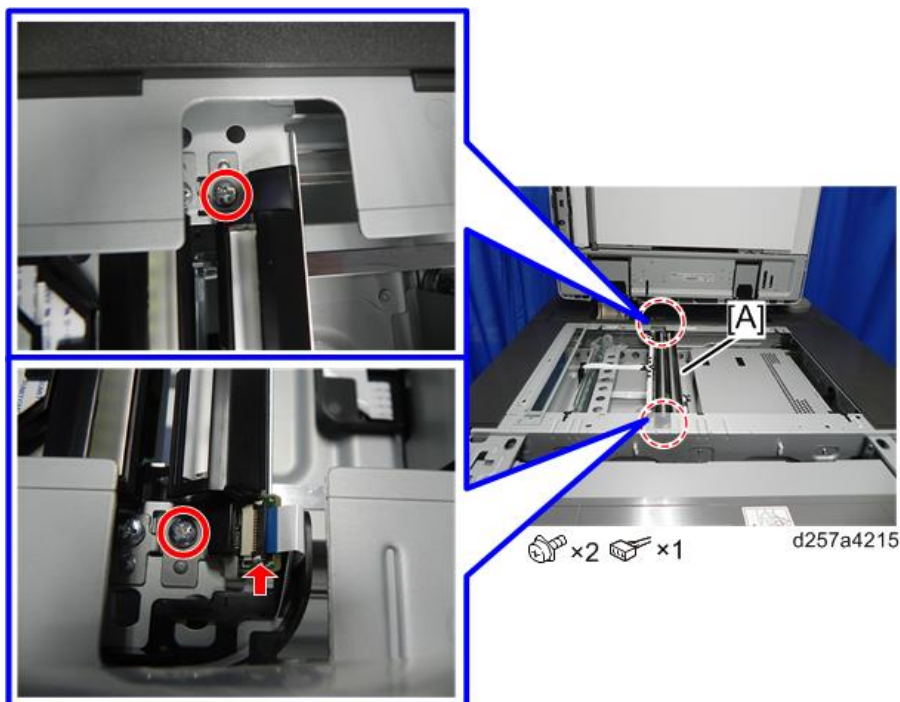
1. Remove the exposure glass. ([Exposure Glass](#))
2. Remove the upper front cover. (Pro C5200S/C5210S: [Upper Front Cover \(Pro C5200S/C5210S\)](#), MP C6503/C8003: [Upper Front Cover \(MP C6503/C8003\)](#))
3. Move the 1st scanner carriage [A] to the notched section [B].



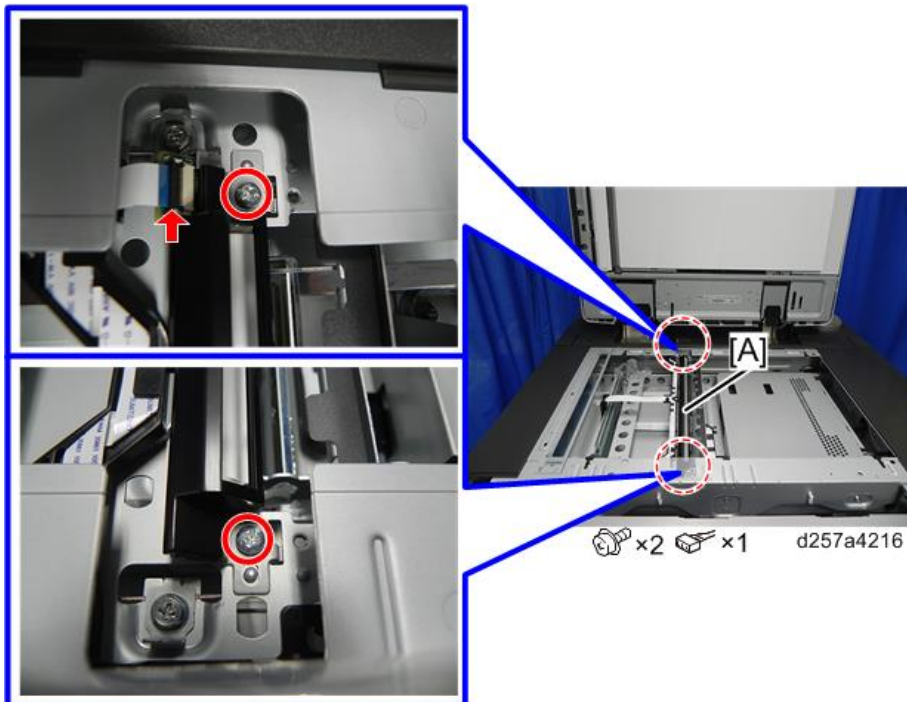
Note

- Do not touch the mirror, reflector, or light guide plate in the scanner carriage.

4. Remove the exposure lamp (LED) [A] on the right side.



5. Remove the exposure lamp (LED) [A] on the left side.



Note

- When attaching the exposure lamp, put the harness under the hook.



Scanner Drive Motor

1. Remove the upper right cover. (Upper Left Cover, Upper Right Cover)

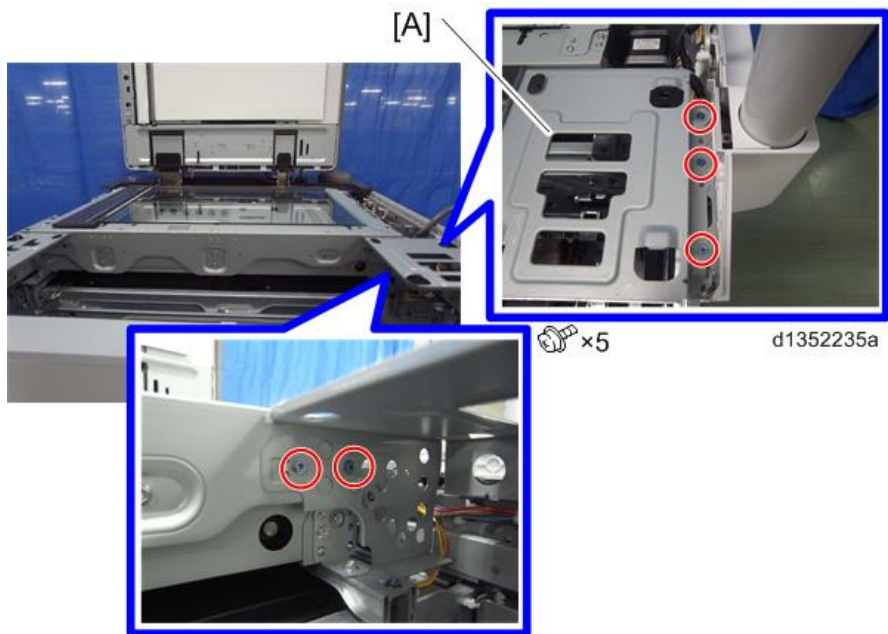
Note

- In the case of MP C6503/C8003, also remove the operation panel. (Operation Panel Unit)

2. Pull out the toner supply unit. (Toner Supply Unit)

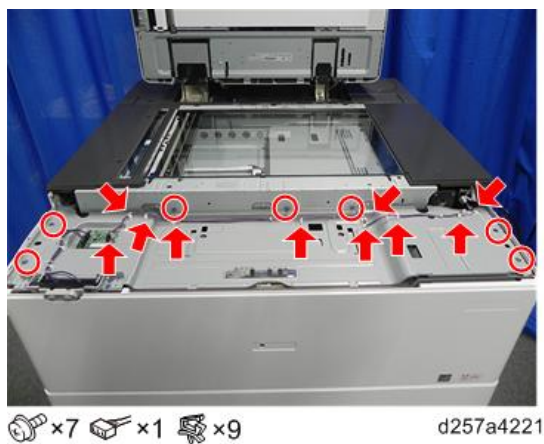
4.Replacement and Adjustment

3. Remove the right side stay [A].

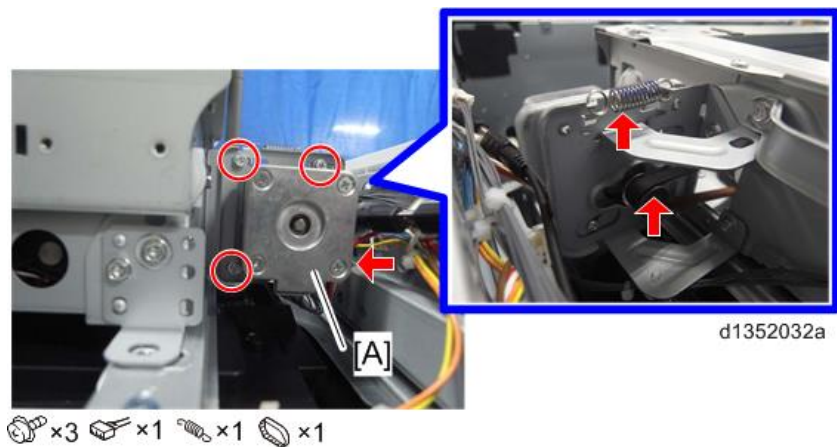


Note

- In the case of MP C6503/C8003, remove the operation panel bracket [A].



4. Remove the scanner drive motor [A] along with the bracket.



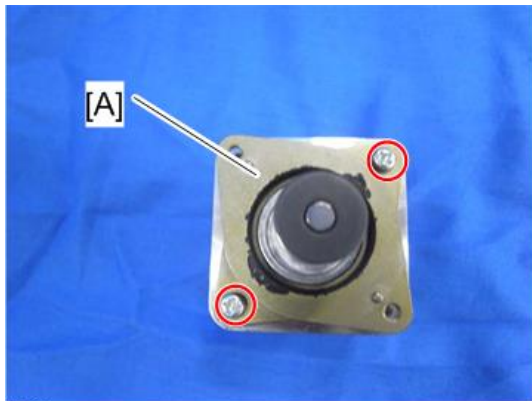
5. Remove the bracket [A] from the motor.



 ×2

d1352033a

6. Remove the motor cushion [A] from the motor.



 ×2

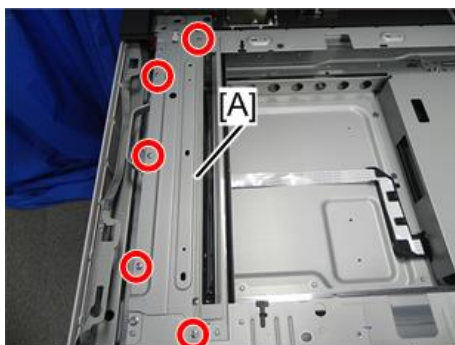
d1352034a

 Note

- When attaching the motor, make sure that the timing belt does not come off. Slide the motor a few times. Screw the motor into place while the spring is pulled.

Scanner Home Position Sensor

1. Remove the exposure glass. ([Exposure Glass](#))
2. Remove the upper left cover. ([Upper Left Cover](#), [Upper Right Cover](#))
3. Remove the left bracket [A].

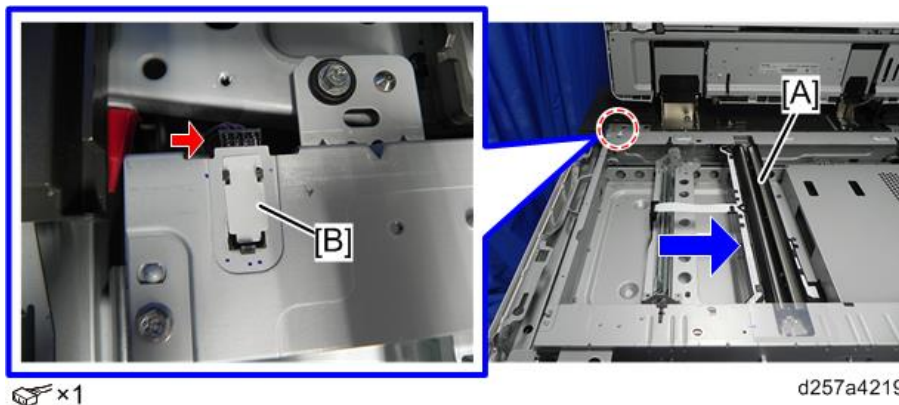


 ×5

d257a4218

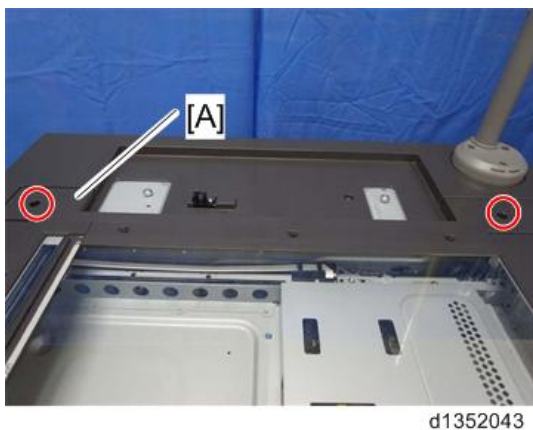
4.Replacement and Adjustment

4. Move the 1st scanner carriage [A] to the center. Peel off the shielding plate [B], then remove the scanner home position sensor.

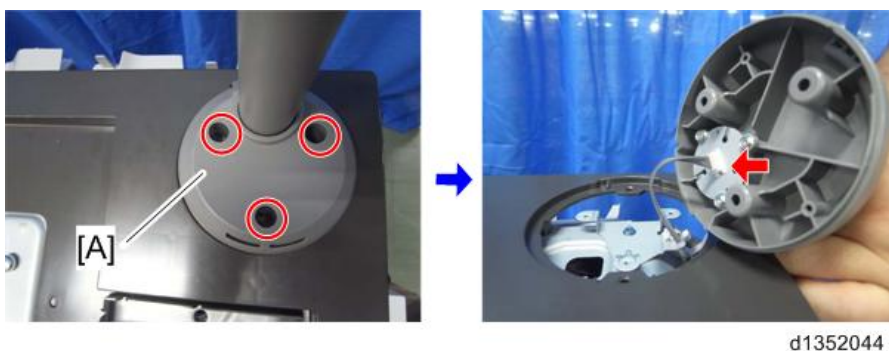


DF Position Sensor

1. Remove the ADF. (ADF Removal)
2. Remove the upper rear small cover [A].



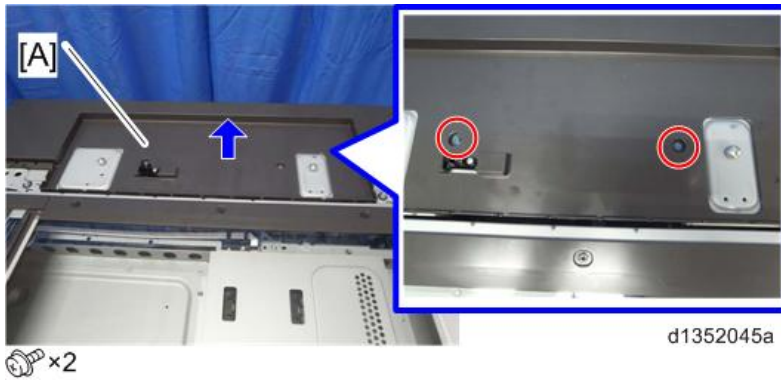
3. Remove the operator call light [A].



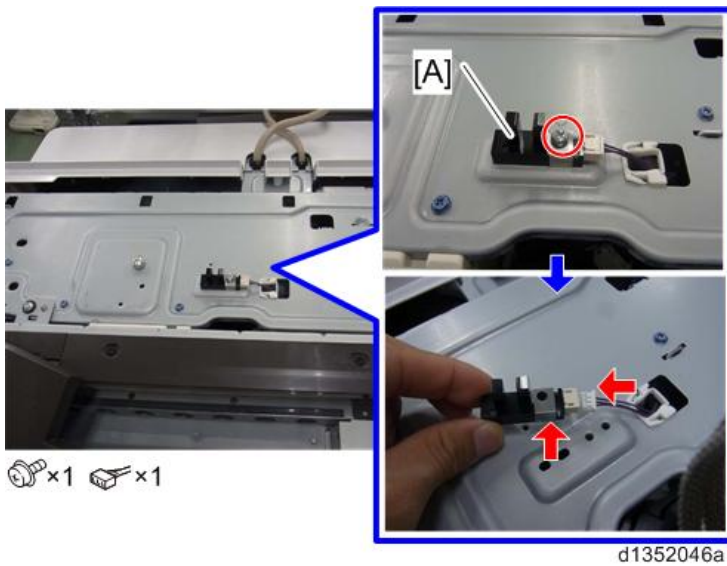
Note

- The operator call light is not attached to MP C6503/C8003, so this step is not required.

4. Remove the upper rear cover [A].



5. Remove the DF position sensor [A].



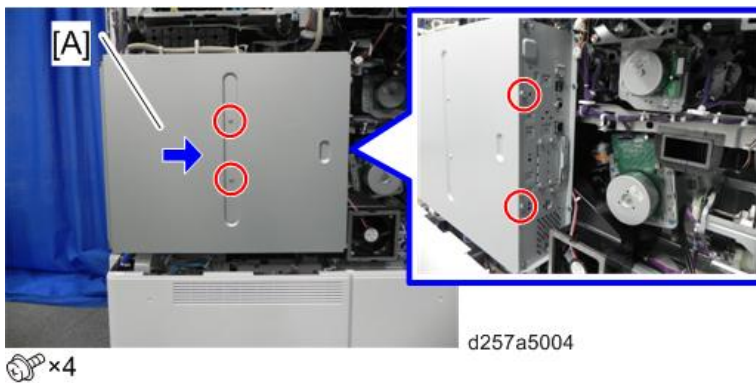
Scanner Unit

1. Remove the upper left cover and upper right cover. (Upper Left Cover, Upper Right Cover)

Note

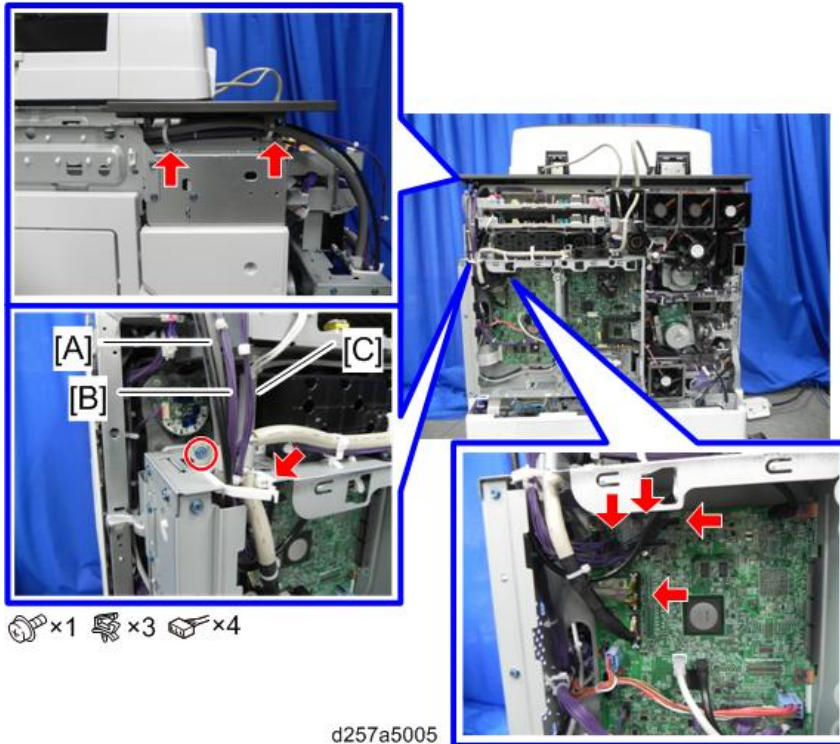
- In the case of MP C6503/C8003, also remove the operation panel. (Operation Panel Unit)

2. Remove the rear middle cover.
 3. Slide the controller box cover [A] to the right.

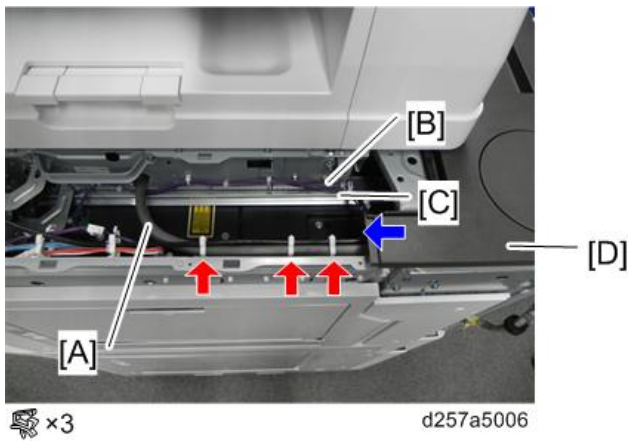


4.Replacement and Adjustment

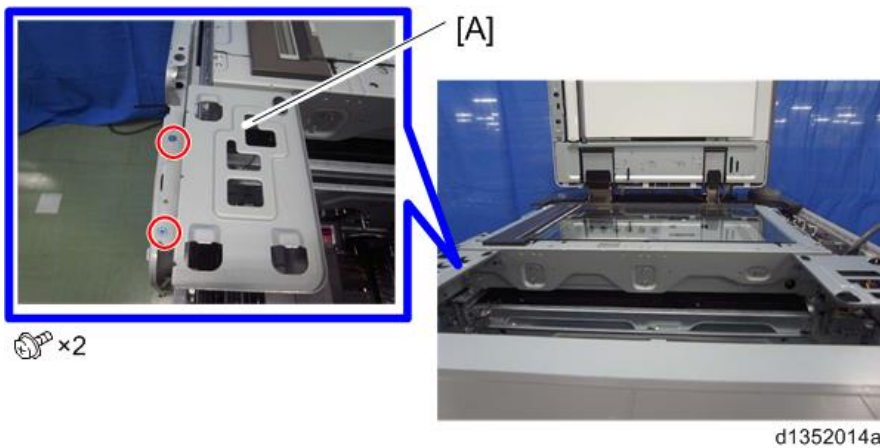
4. Disconnect the interface cables [A], [B] and [C] from the rear of the machine.



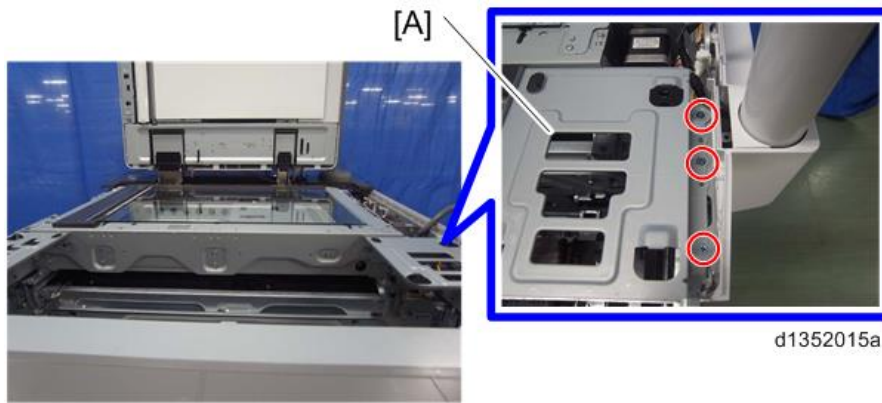
5. Remove the interface cables [A], [B] and [C] through the right side [D] of the machine.



6. Pro C5200S/C5210S: Remove the fixing screws on the left side stay [A].



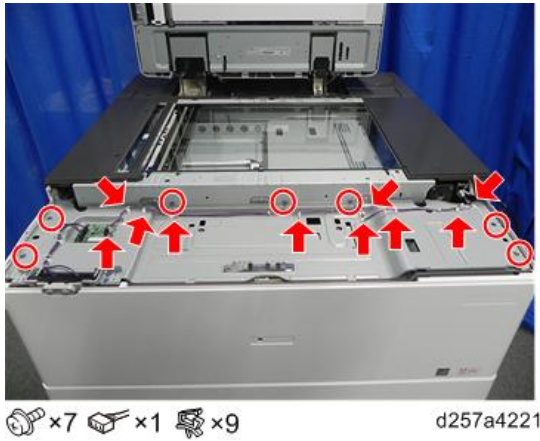
7. Pro C5200S/C5210S: Remove the fixing screws on the right side stay [A].



 x3

Note

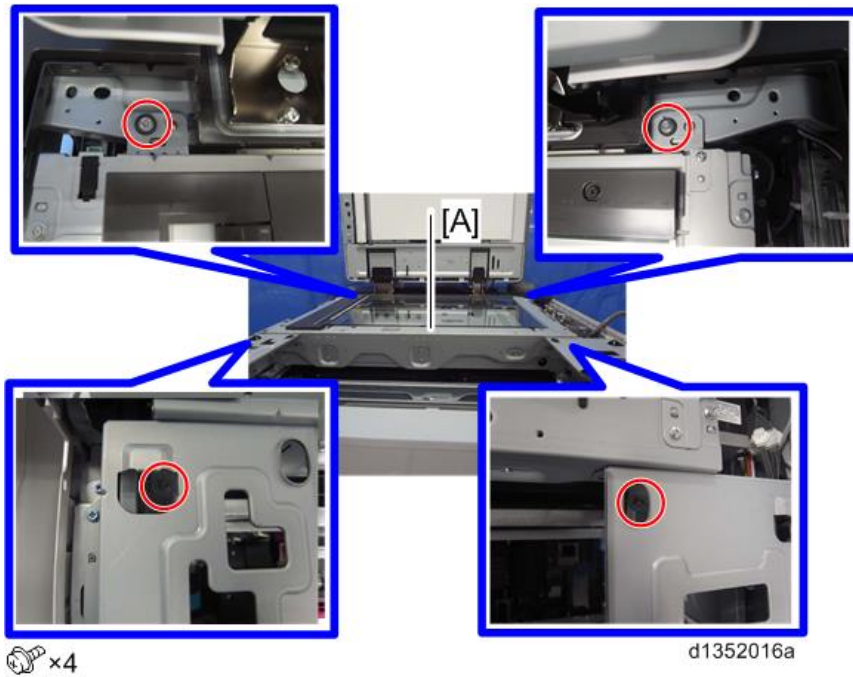
- For steps 6-7 in the procedure described above, in the case of MP C6503/C8003, remove the operation panel bracket [A].



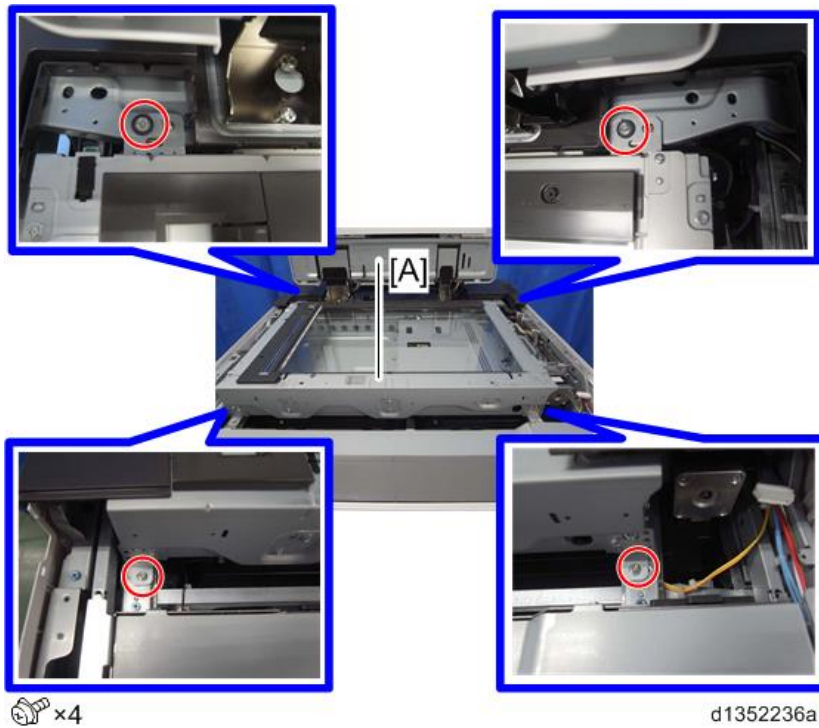
 x7  x1  x9

4.Replacement and Adjustment

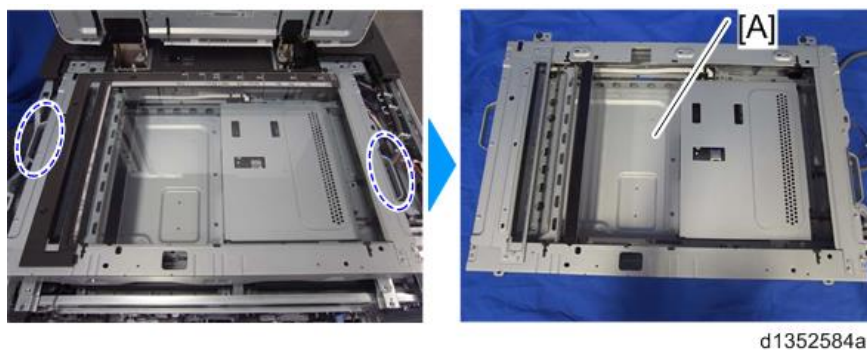
8. Pro C5200S/C5210S: Remove the scanner unit [A].



9. MP C6503/C8003: Remove the scanner unit [A].



- 10.** Hold the handles at the left and right, and remove the scanner unit [A] from the machine.



Scanner Wire

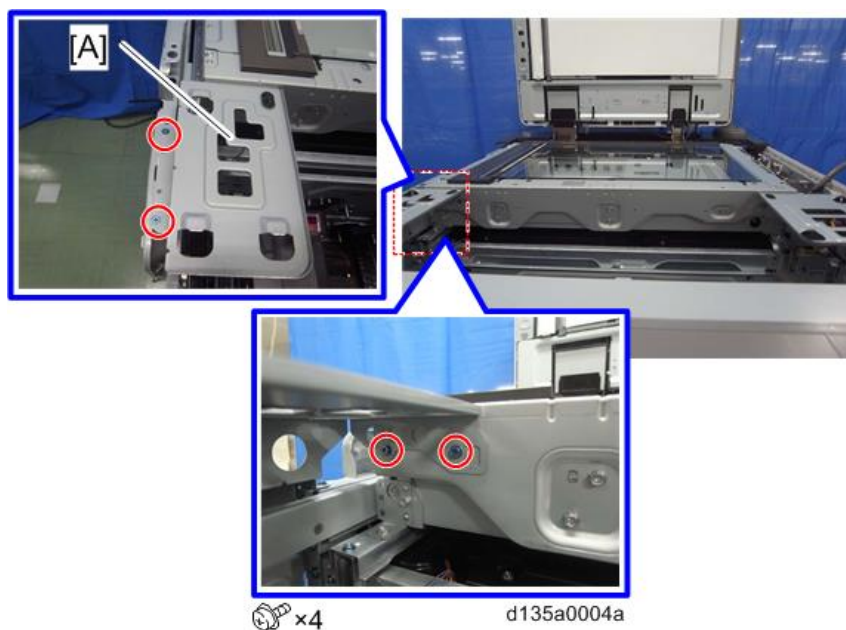
Preparation for Replacing a Scanner Wire

- 1.** Remove the upper left cover/ the upper right cover. (Pro C5200S/C5210S: [Upper Front Cover \(Pro C5200S/C5210S\)](#), MP C6503/C8003: [Upper Front Cover \(MP C6503/C8003\)](#))

Note

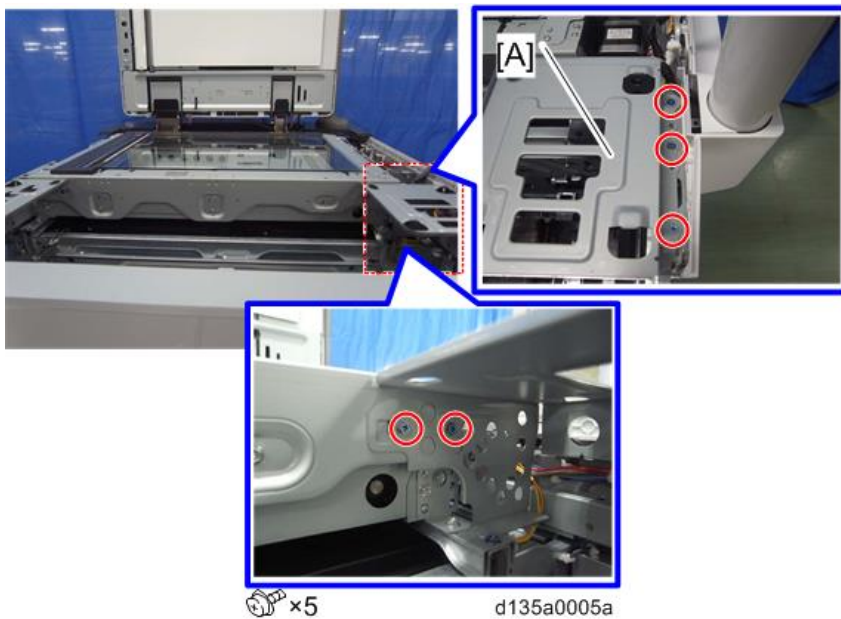
- In the case of MP C6503/C8003, also remove the operation panel. ([Operation Panel Unit](#))

- 2.** Pro C5200S/C5210S: Remove the left side stay [A].



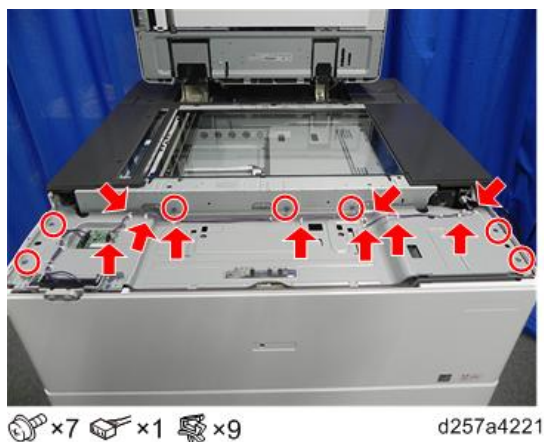
4.Replacement and Adjustment

3. Pro C5200S/C5210S: Remove the right side stay [A].



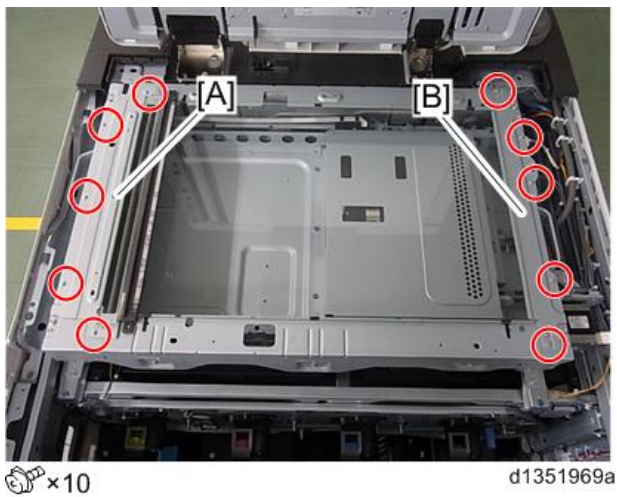
Note

- For steps 2-3 in the procedure described above, in the case of MP C6503/C8003, remove the operation panel bracket [A].

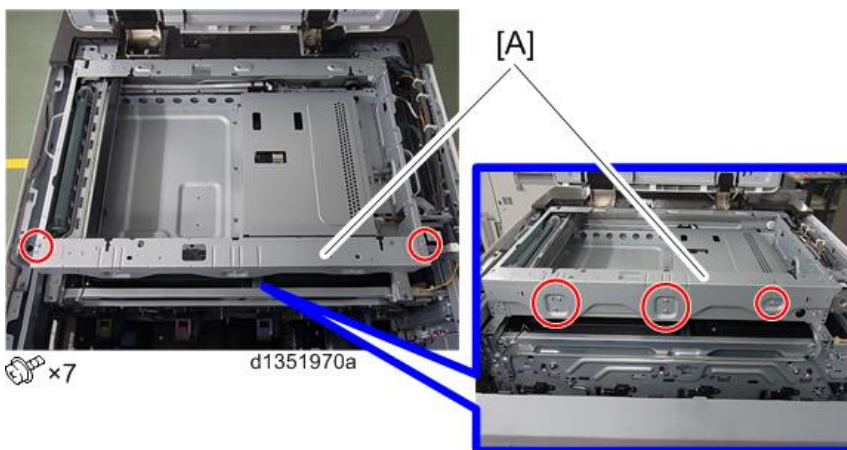


4. Remove the exposure glass. (Exposure Glass)

5. Remove the left stay [A] and the right stay [B].

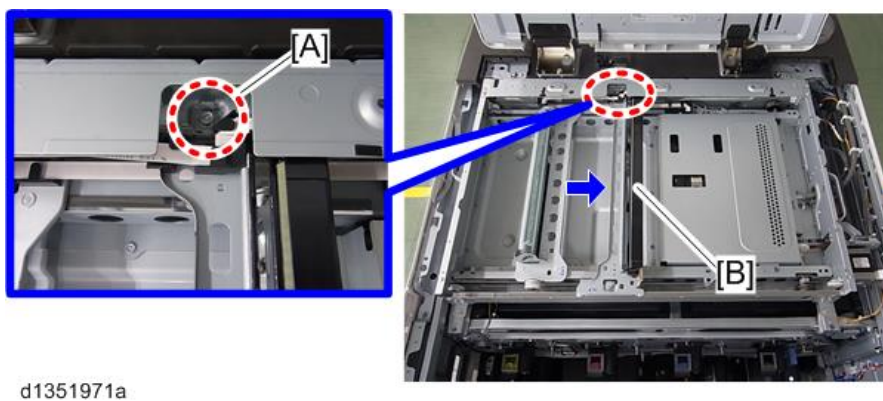


6. Remove the front frame [A].



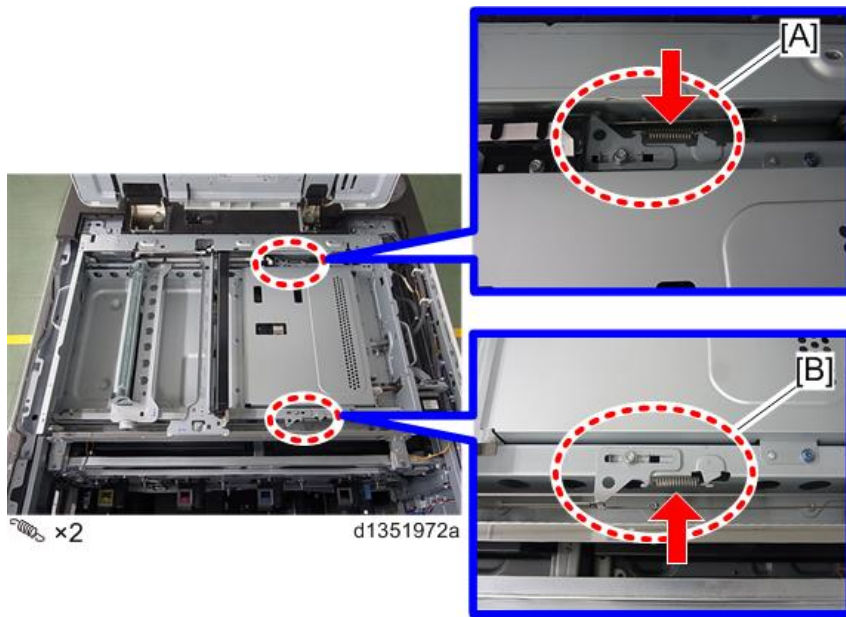
Replacing the Scanner Wire

1. Move the 1st scanner carriage [B] to a position where the screw [A] of the bracket can be seen.

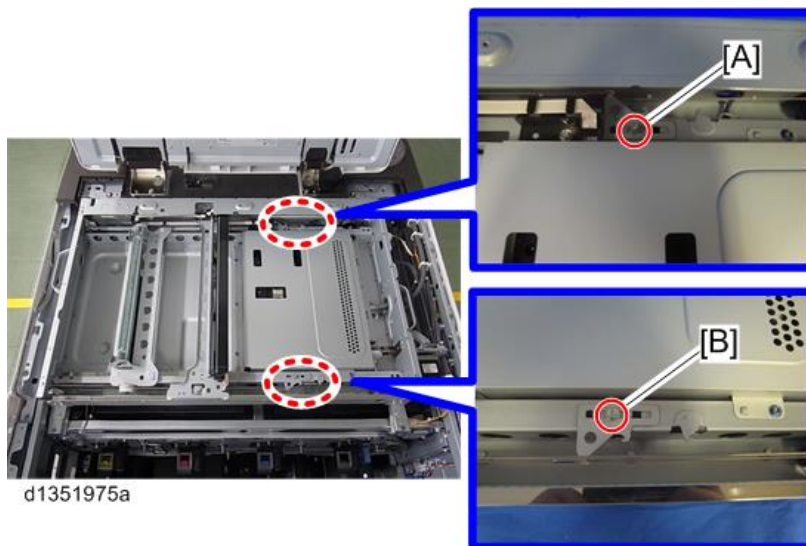


4.Replacement and Adjustment

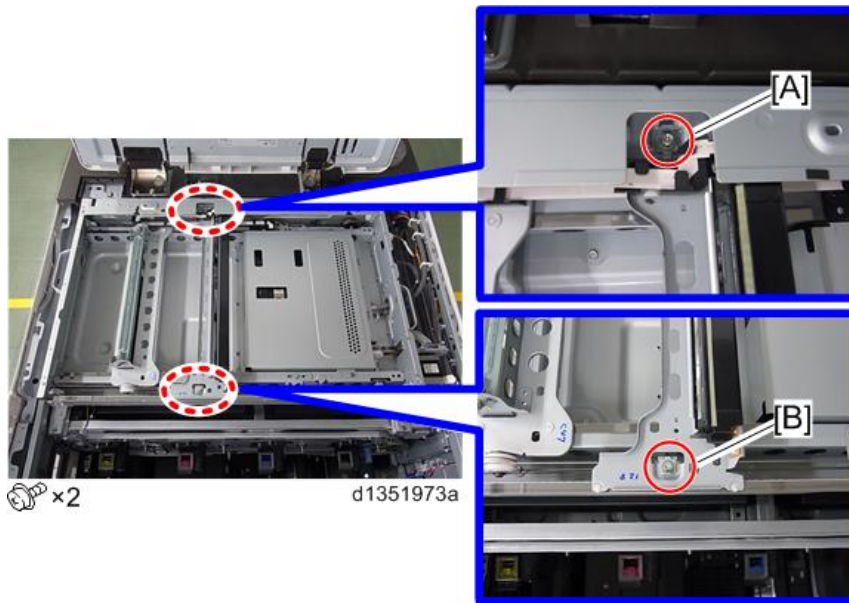
- 2.** Remove the springs of the tension brackets (rear: [A] / front: [B]).



- 3.** Loosen the fixing screws of the tension brackets (rear: [A] / front: [B]).

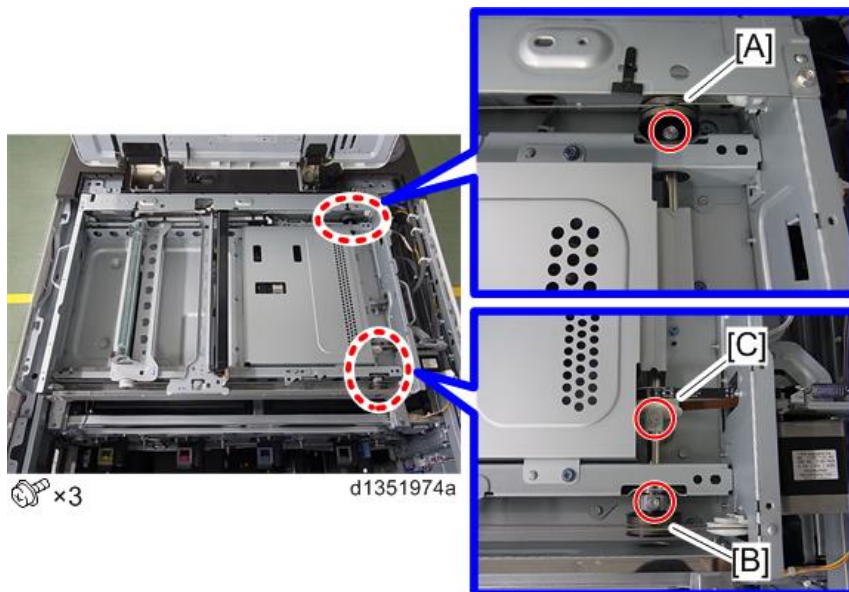


- 4.** Remove the retaining brackets (rear: [A] / front [B]) from the wire.



- 5.** Remove the tip and the rear end of the wire (rear / front).

- 6.** Unscrew the wire pulleys (rear: [A] / front [B]) and drive pulley [C]. Remove the wire pulleys from the shaft.



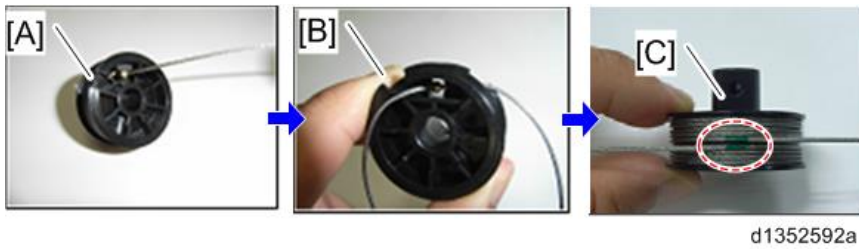
- 7.** Remove the rear and front wires.

Preparation for Reassembling the Scanner Wire

- 1.** Pass the wire from the side where there is no projection on the pulley. [A]
- 2.** Place the beads on the middle of the wire in the groove. [B]

4.Replacement and Adjustment

3. Attach tape across the pulley to temporarily hold the wires in place. [C]



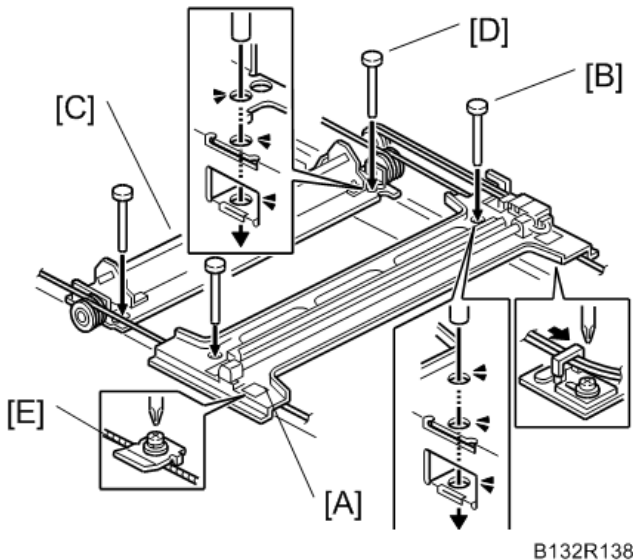
Reassembling the Scanner Wire

1. Remove the 1st scanner carriage [A] from the scanner unit.
2. Position the 2nd scanner carriage [C] with the positioning pins [D] (part number: A1849501)
3. Set the wire pulley through the shaft. (Do not tighten the screw of the front side pulley yet.)
4. Turn the wire and remove the tape.
5. Set the spring. (Do not tighten the screw yet.)
6. Tighten the screw of the drive pulley.
7. Remove the positioning pins temporarily. Then move the 2nd carriage to fit in the wire.
8. Set the positioning pins again and tighten screws of the front pulley and tension bracket.

Note

- If the scanner does not move smoothly, and it is possible to set positioning pins, re-adjust using the above procedure.

9. Set the 1st scanner carriage [A] with the positioning pins [B]. Attach the retaining bracket. Then fix the wire and the carriage [E].



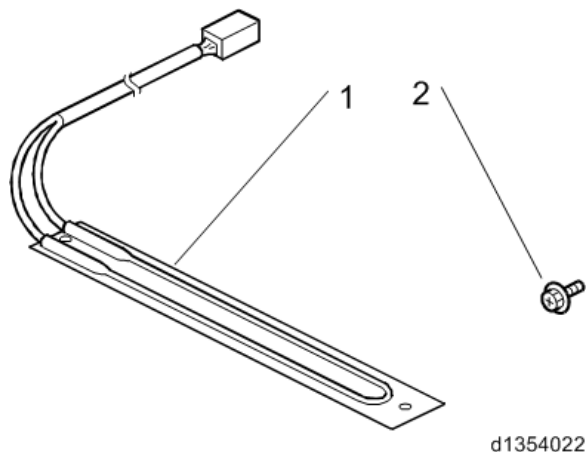
Note

- If replacing anything other than the wire, adjust SP4-010-001 (Sub Scan Registration Adj).

Installing the Scanner Heater

Accessories

Check the accessories against the list below.



d1354022

No	Description	Q'ty
1	Heater	1
2	Tapping Screw - M3x6	2

Note

- The part number for the scanner heater is the same across all models except the Pro C5200S (NA). See the table below.

Model	Area	Voltage	Part number
Pro C5200S	NA	120 to 127V	B2291678
	CHN	220 to 240V	D2611688
	EU	220 to 240V	D2611688
	AP	220 to 240V	D2611688
Pro C5210S	NA	208 to 240V	D2611688
	CHN	220 to 240V	D2611688
	EU	220 to 240V	D2611688
	AP	220 to 240V	D2611688

Installation

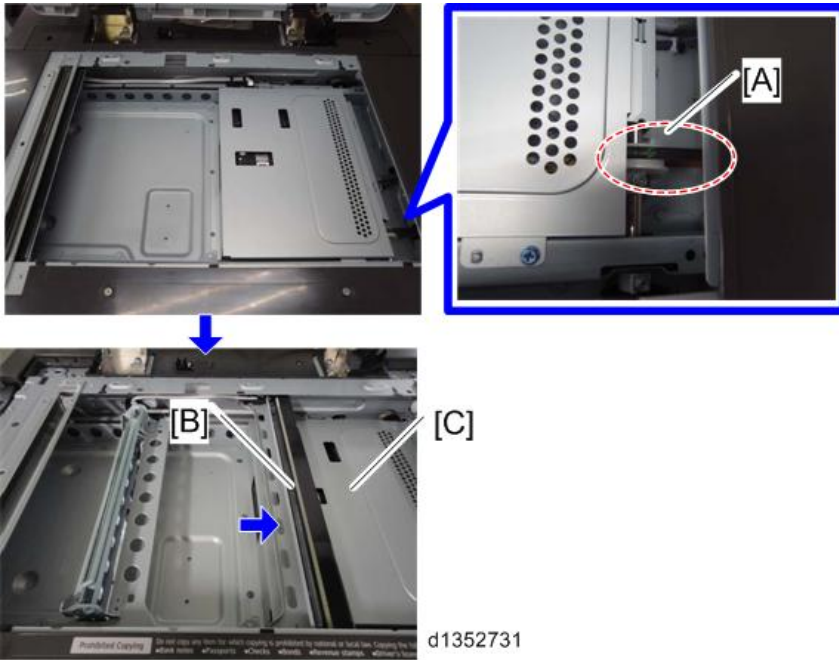
CAUTION

- Unplug the machine power cord before starting the following procedure.
- Do the following procedure not to damage any harnesses.
- Check that all harnesses are not damaged nor pinched after installation.

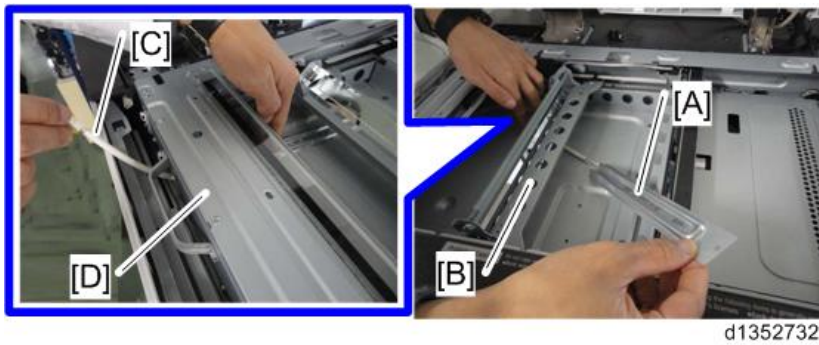
- Exposure Glass ([Exposure Glass](#))
- Left middle cover ([Left Middle Cover](#))

4.Replacement and Adjustment

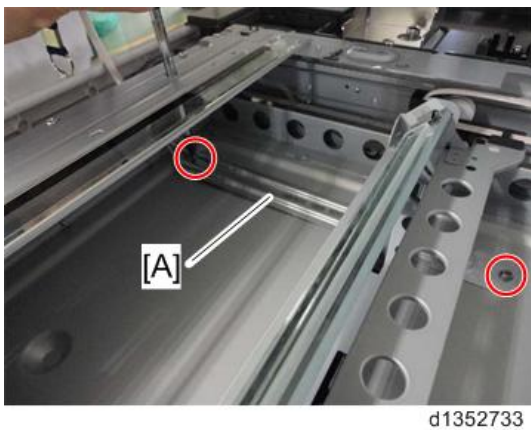
3. First, turn the gear [A] and move the 1st scanner carriage [B] next to the lens cover [C].



4. Pass the scanner heater [A] under the 2nd carriage [B]. Then insert the connector [C] from the left side of the scanner unit [D].



5. Attach the scanner heater [A] (⌀ x 2).



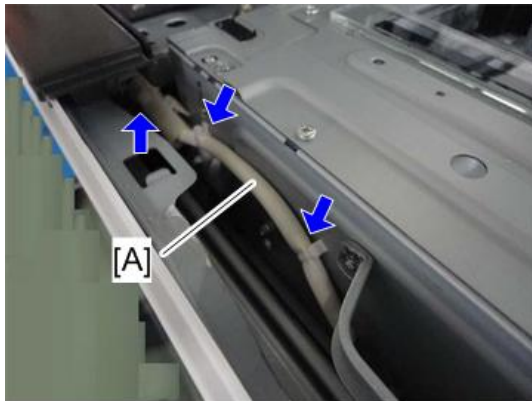
Note

- The screw on the left side of the scanner heater is accessed from the scanner frame.



d1352735

6. Connect the connector [A] of the scanner heater to the machine (🔌 x 1, 🖨️ x 2).



d1352734

Magnification and Registration Adjustment

Sub Scan Magnification Adjustment

Measuring Tool

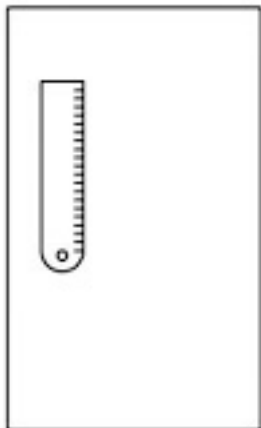
150 mm scale

Adjustment Method

Copy the scale and check that the length of the 100 mm scale on the copy is the same as the original, within the standard value ($\pm 0.8\%$) for a 100 mm scale.

It should be measured 10 minutes after the copy has been fed out.

4.Replacement and Adjustment



Adjustment Procedure

- 1.** Enter SP mode.
- 2.** Select SP4-008.

If you decrease the adjustment value, this will increase the scanner speed, and the output image is compressed in the feed direction.

If you increase the adjustment value, this will decrease the scanner speed, and the output image is extended in the feed direction.

Sub Scan Registration Adjustment

Measuring Tool

C4 chart

Adjustment Method

Copy the C4 chart. Check whether there is an image in the center of the paper.

Adjustment Procedure

- 1.** Enter SP mode.
- 2.** Select SP4-803.

The image is moved downward by increasing the adjustment value.

The image is moved upward by decreasing the adjustment value.

Main Scan Registration Adjustment

Measuring Tool

C4 chart

Adjustment Method

Copy the C4 chart. Check whether there is an image in the center of the paper.

Adjustment Procedure

1. Enter SP mode.

2. Select SP4-011.

The image is moved to the right by increasing the adjustment value.

The image is moved to the left by decreasing the adjustment value.

Laser Unit

Before You Begin

⚠ WARNING

- This laser unit employs 80 laser beams produced by a Class III LD with a wavelength of 772 to 792 nm and intensity of 1.4 mW (40 beams). Direct exposure to the eyes could cause permanent blindness.
- Before adjusting or replacing the laser unit, push the main power switch to power the machine off then unplug the machine from the power source. Allow the machine to cool for a few minutes. The polygon motor continues to rotate for approximately one to three minutes after the machine is switched off.
- Do not turn on the power when the laser unit and the polygon cover are not installed. Ensure that after assembly, the polygon cover is completely closed.
- Do not turn on the power when the synchronization detectors are disconnected. Ensure that after assembly, the synchronization detectors are set correctly.

Caution Decals

Pro C5200S/C5210S, MP C6503/C8003



MP C6503/C8003 only



Laser Unit

Note

- Each laser unit is composed of two laser diode assemblies.

Before Replacement

1. Plug in the power cord, and then turn ON the main power switch.

2. Enter the SP mode, and note the following SP values.

- SP2-104-040 (Skew Adjustment: Manual: K: CE)
- SP2-104-041 (Skew Adjustment: Manual: K: User)
- SP2-104-002 (Skew Adjustment: Manual: C)
- SP2-104-003 (Skew Adjustment: Manual: M)
- SP2-104-004 (Skew Adjustment: Manual: Y)

3. Set the following SP values to "0".

- SP2-104-040 (Skew Adjustment: Manual: K: CE)
- SP2-104-041 (Skew Adjustment: Manual: K: User)
- SP2-104-002 (Skew Adjustment: Manual: C)
- SP2-104-003 (Skew Adjustment: Manual: M)
- SP2-104-004 (Skew Adjustment: Manual: Y)

Note

- If you do not do the above adjustment, MUSIC may not work. This is because one or more of the motors may be at or near the upper or lower limit (± 100). In such a case, if you do not zero the motor positions before MUSIC is done, the range that the motor can move will be restricted and the adjustment may not be done correctly.

4. Enter the SP mode, and set the following SPs.

- SP2-102-001 (Magnification Adjustment: Main Mag.: K): set to "123" (for the CK laser unit)
- SP2-102-007 (Magnification Adjustment: Main Mag.: M): set to "123" (for the YM laser unit)
- SP2-102-016 (Magnification Adjustment: Main/Sub: K): set to "0"
- SP2-102-019 (Magnification Adjustment: Main/Sub: C): set to "0"
- SP2-102-022 (Magnification Adjustment: Main/Sub: M): set to "0"
- SP2-102-025 (Magnification Adjustment: Main/Sub: Y): set to "0"

Note

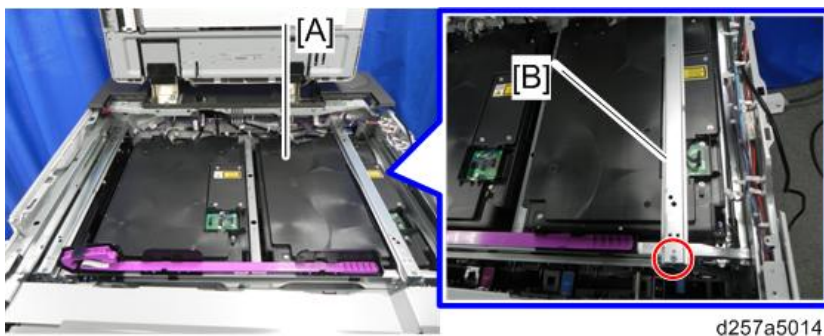
- For the Magnification Adjustment values of SP2-102-001/007, set to "123" only for the color of the new laser unit.
- For the Magnification Adjustment values of SP2-102-016 through 025, set to "0" only for the color of the new laser unit.

Replacement

1. Remove the scanner unit. ([Scanner Unit](#))

4.Replacement and Adjustment

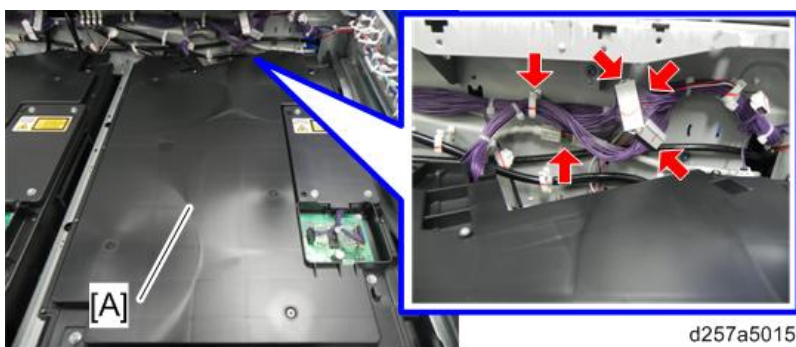
2. For the laser unit (CK) [A], remove the stay [B] first.



⚙️ ×1

3. Remove the connectors from the laser unit [A].

e.g.: CK

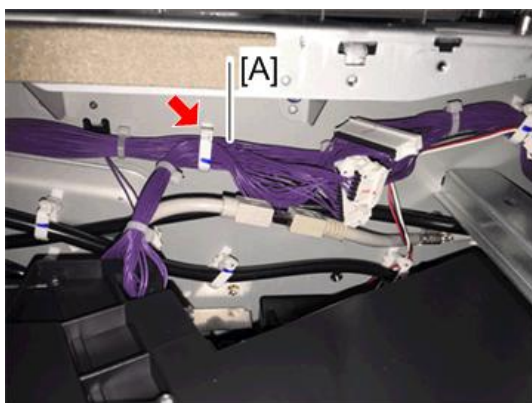


⚙️ ×1 ⚙️ ×4

Note

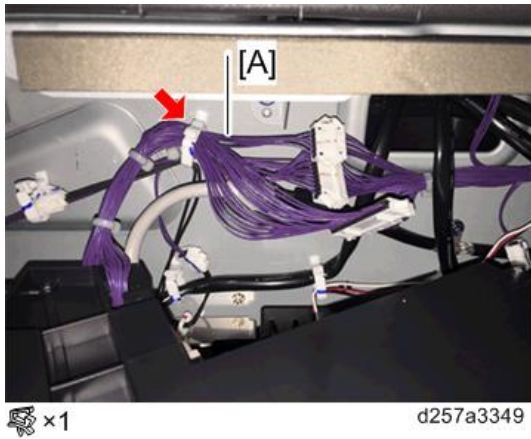
- When reinstalling, fix the harness [A] with the clamp as shown below and put it back in the original state. If it is not fixed sufficiently with the clamp, SC204-03 (polygon motor error) will occur due to noise.

Laser Unit (CK)

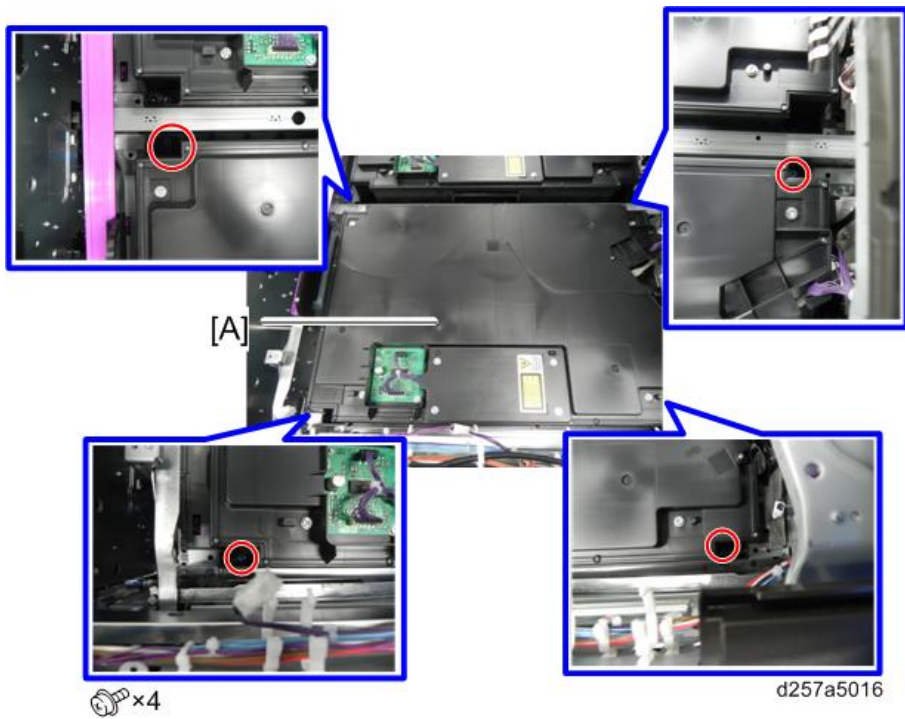


⚙️ ×1

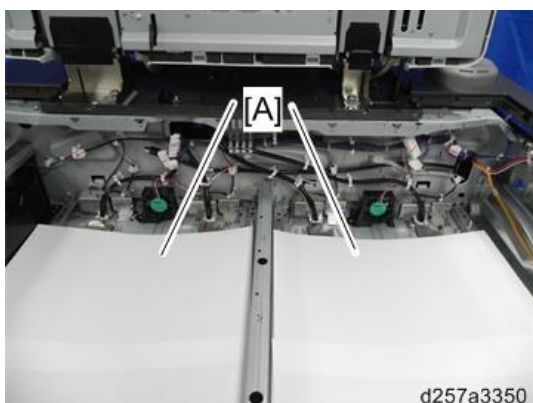
Laser Unit (MY)



- 4.** Remove the laser unit [A].
e.g.: CK



- 5.** Grasp the handles on the left and right, and lift out the laser unit.
6. After removing the laser unit, place a sheet of paper [A] as shown to guard the OPC drum from direct light.



4.Replacement and Adjustment

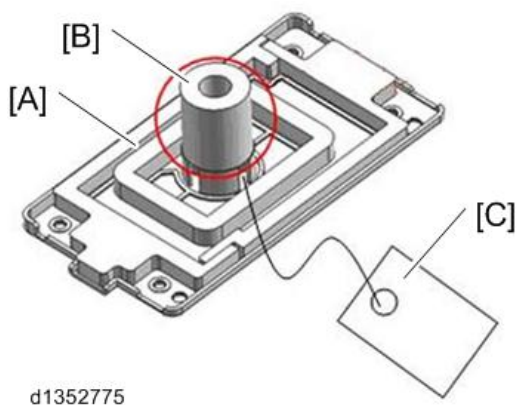
Notes on Installation of a New Laser Unit

The polygon mirror of the new laser unit contains protective material. Therefore, when installing the unit in the machine, it is necessary to remove this material.

1. Remove the polygon cover [A].



2. Turn over the polygon cover [A], remove the protective material [B] and the red tag [C].



3. Attach the polygon cover to the laser unit (⚙️ x 4).

Adjustment after Laser Unit Replacement

Do the following steps.

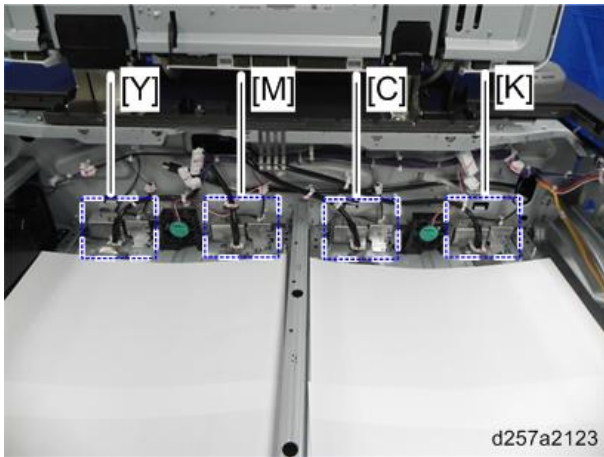
1. Plug in the power cord, and then turn ON the main power switch.
2. Execute the following SPs to download the correction values from the new laser unit.
 - SP2-108-1: (Image Parameter: K/C Writing Unit)
 - SP2-108-2: (Image Parameter: Y/M Writing Unit)

⚠️ Note

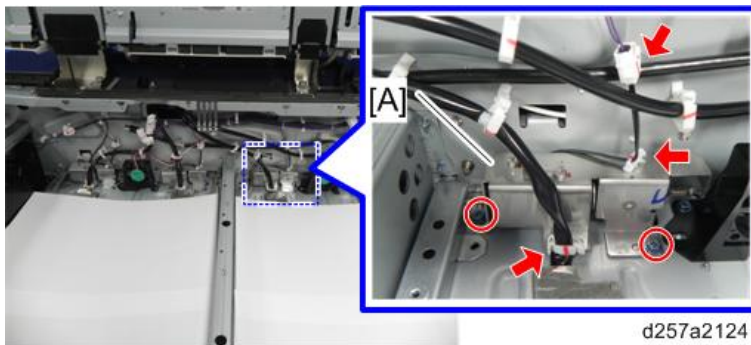
- During the download of the correction values, you can turn off the power, or open the door.
 - If an SC or a display of "failure" occurs, you can run the download again after turning the power OFF and ON.
3. Correct the color registration with the User Tools.
 - HOME screen [User Tools]-[Machine Features]-[Maintenance]-[Color Registration]-[OK]
 4. If necessary, adjust the registration, skew, and magnification.

Charge Roller Cleaning Roller Lift Solenoids (KCMY)

The layout of the charge roller cleaning roller lift solenoids (KCMY)

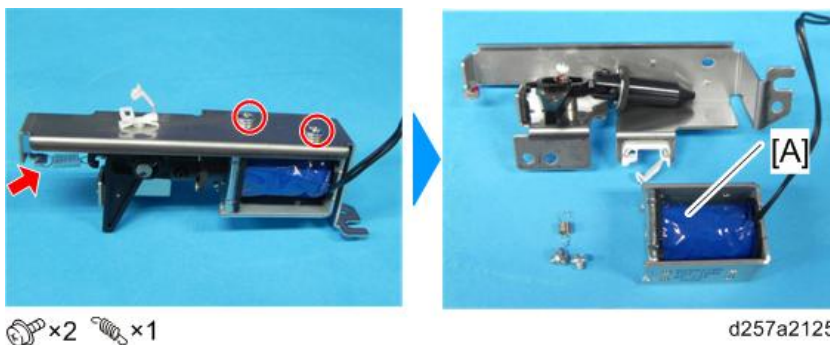


- 1.** Remove the laser unit. (Laser Unit)
- 2.** Remove the charge roller cleaning roller lift solenoid [A] along with the bracket.
e.g.: C



⚙️ ×2 ⚙️ ×2 🔌 ×1

- 3.** Remove the charge roller cleaning roller lift solenoid [A].



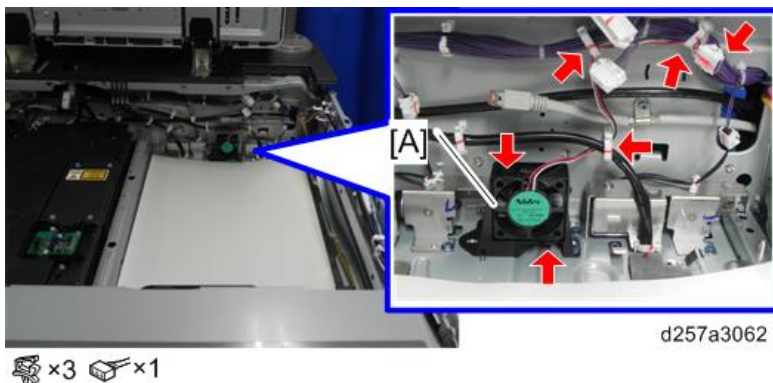
⚙️ ×2 🔌 ×1

Laser Unit Cooling Fan (Right)

- 1.** Remove the laser unit (CK). (Laser Unit)

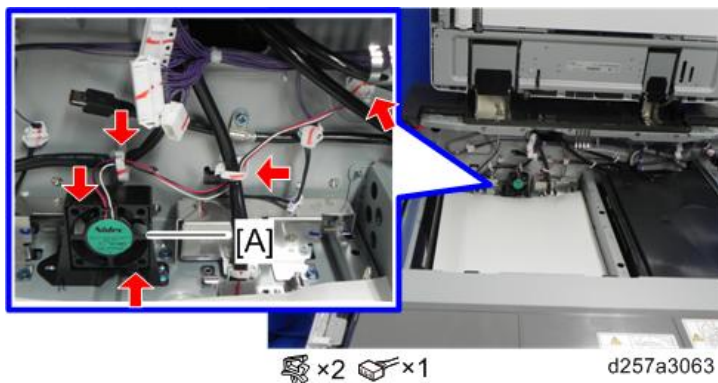
4.Replacement and Adjustment

2. Remove two pawls, and remove the laser unit cooling fan (right) [A].



Laser Unit Cooling Fan (Left)

1. Remove the laser unit (YM). ([Laser Unit](#))
2. Remove two pawls, and remove the laser unit cooling fan (left) [A].



Toner Supply Unit

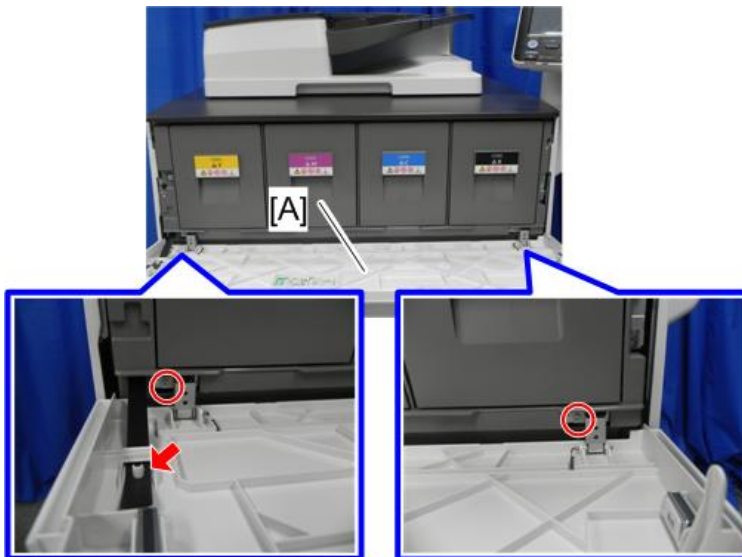
Toner Supply Unit Front Cover

1. Open the toner supply unit front cover [A].



d257a3043

2. Remove the toner supply unit front cover [A] by sliding it to the left.



 x2

d257a3044

Toner Supply Unit

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

4.Replacement and Adjustment

2. ITB cleaning intake fan [A] along with the duct.*



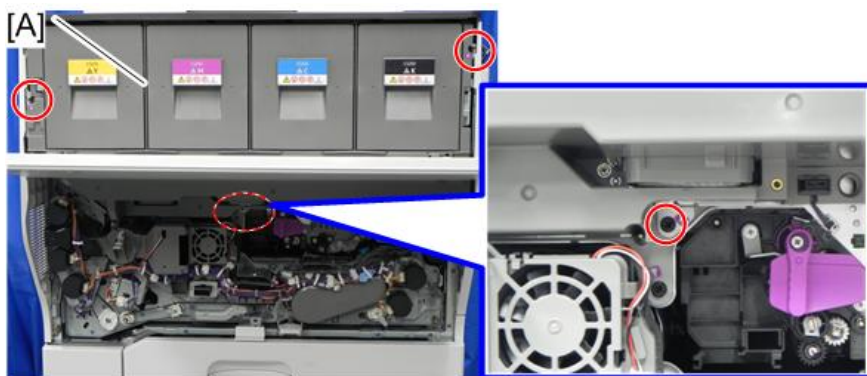
⚙️×1

d257a2011

* Pro C5200S/C5210S use TCRU/ORU screws

3. Open the toner supply unit front cover.

4. Remove the fixing screws of the toner supply unit [A].*



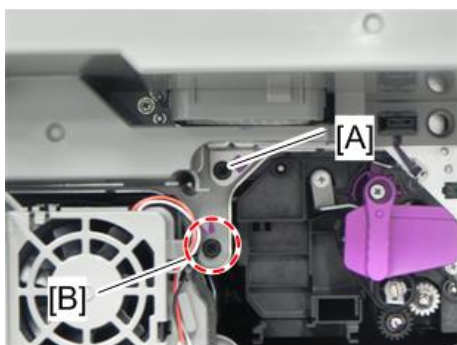
⚙️×3

d257a2013

* Pro C5200S/C5210S use TCRU/ORU screws

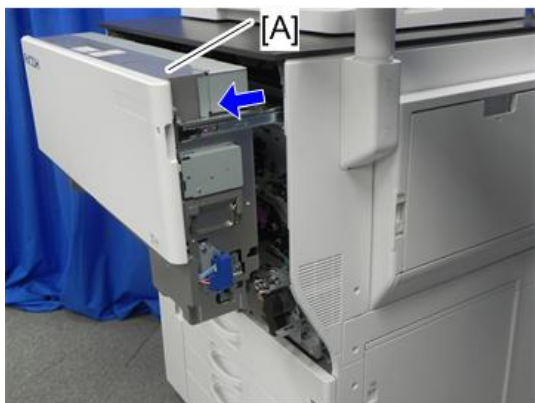
⚠️ Note

- The screw [B] under the fixing screw [A] of the toner supply unit fixes the faceplate. Take care not to remove it.



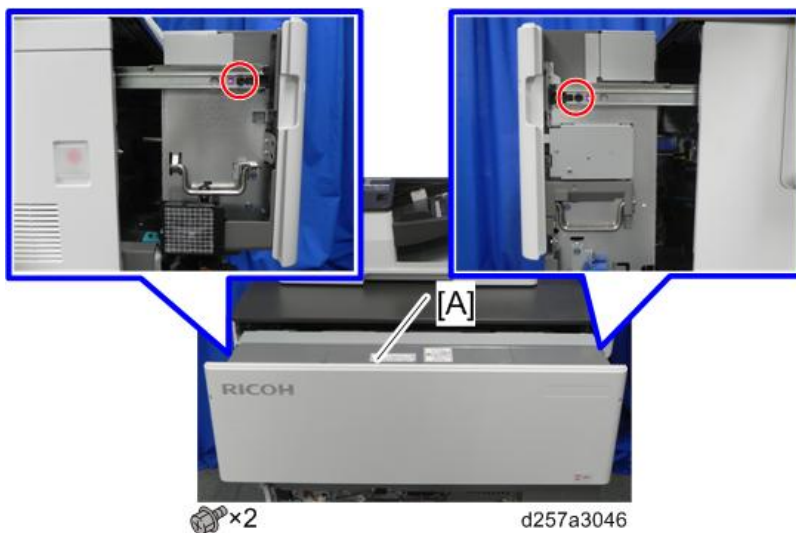
d257a2014

5. Slide the toner supply unit [A] to the front.



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6. Pull out the toner supply unit [A], and remove it from the slide rail with the handles on the left and right.*

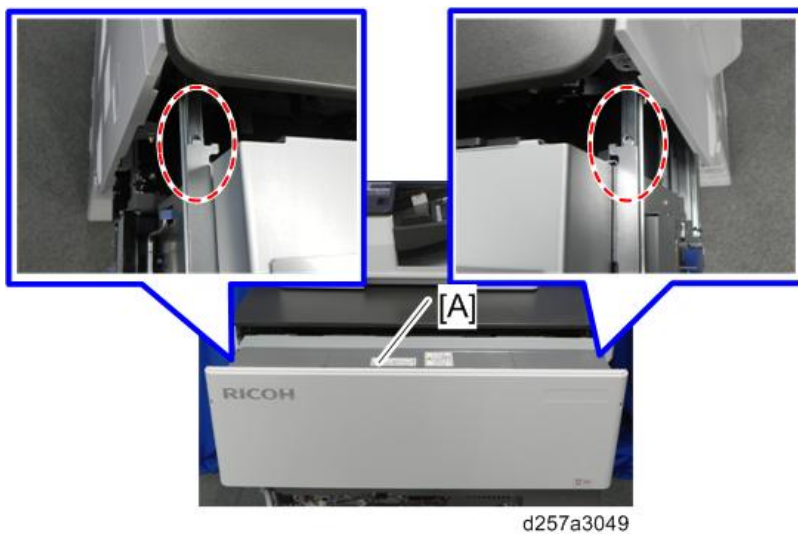


* Pro C5200S/C5210S use TCRU/ORU screws

4.Replacement and Adjustment

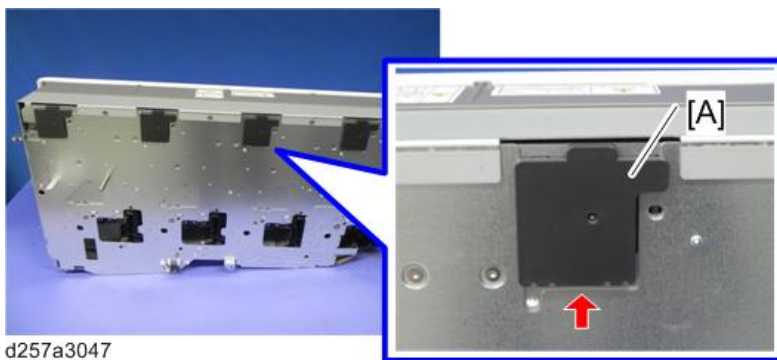
Note

- When attaching the toner supply unit to the machine, the hooks of the toner supply unit should be fit into the holes in the slide rails.

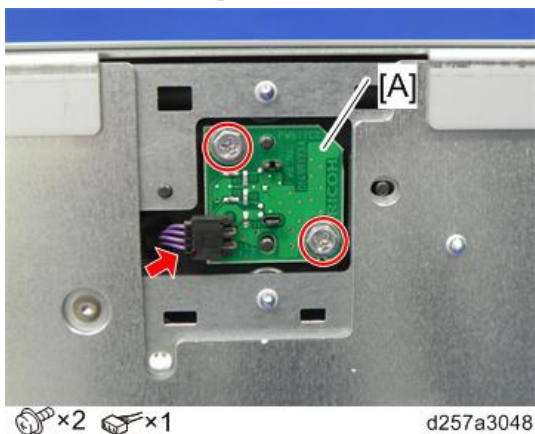


ID Chip Connector Board (KCMY)

1. Remove the toner supply unit. (Toner Supply Unit)
2. Remove the ID chip connector board cover [A].
e.g.: M

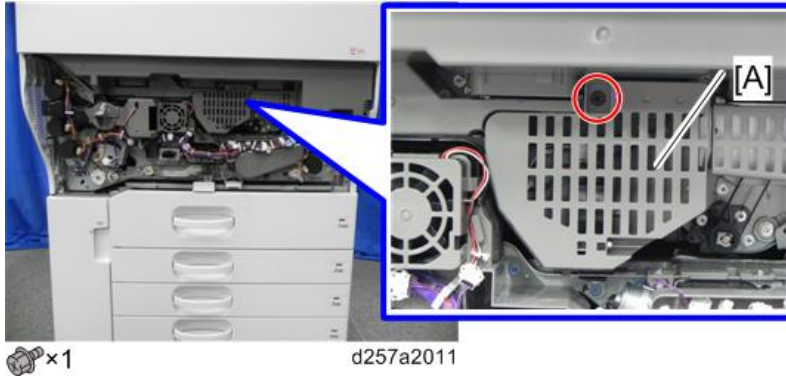


3. Remove the ID chip connector board [A].



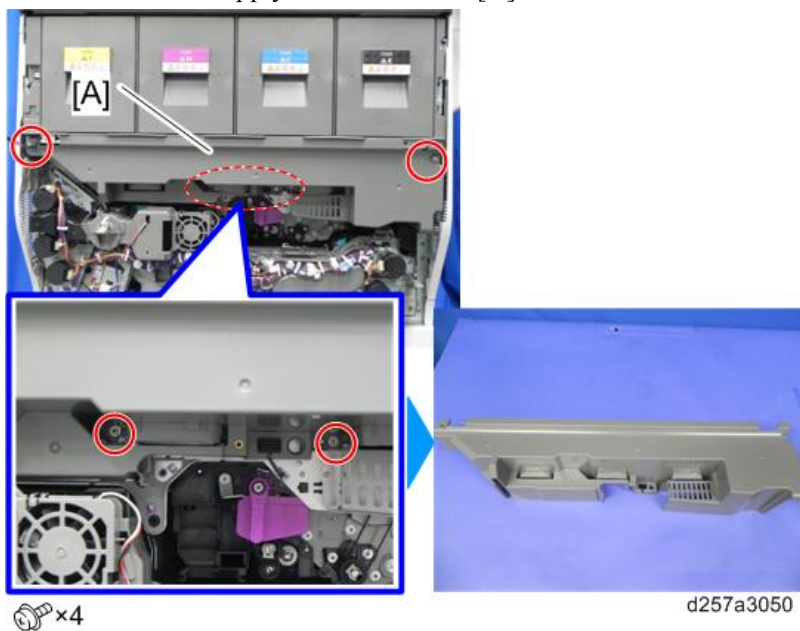
Toner Supply Unit Inner Cover

1. Remove the toner supply unit front cover. ([Toner Supply Unit Front Cover](#))
2. Remove the drawer unit cover. ([Drawer Unit Cover](#))
3. Remove the ITB cleaning intake fan [A] along with the duct.*



* Pro C5200S/C5210S use TCRU/ORU screws

4. Remove the toner supply unit inner cover [A].



Note

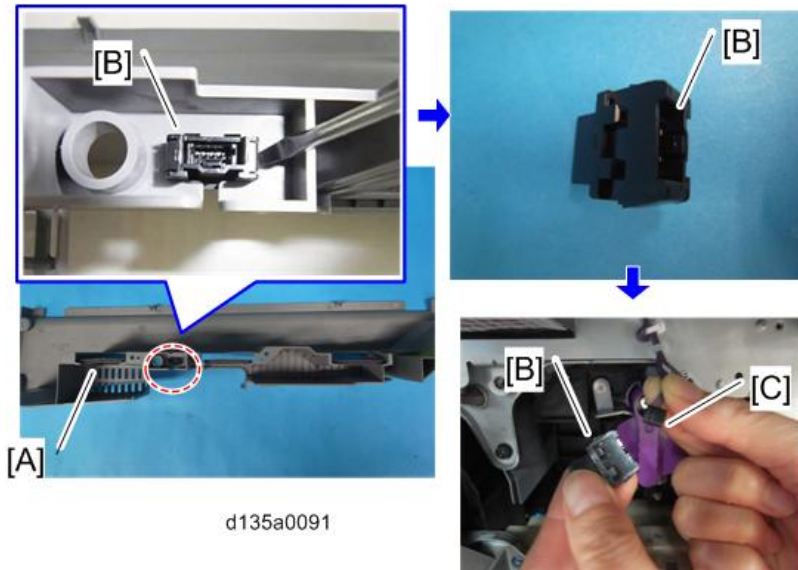
- When removing the toner supply unit inner cover, the harness is also disconnected from the drawer connector attached inside the cover.

Attaching the Toner Supply Unit Inner Cover

1. Remove the drawer connector [B] from the toner supply unit inner cover [A].

4.Replacement and Adjustment

2. Connect the drawer connector [B] to the harness [C] of the toner supply unit.



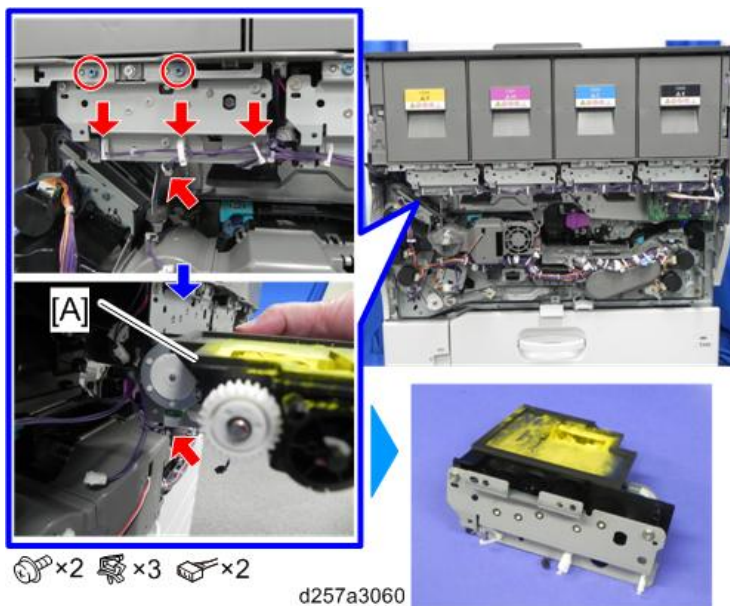
3. Attach the toner supply unit inner cover to the machine, and then insert the drawer connector from the front side of the inner cover.

Sub Hopper Unit (KCMY)

1. Remove the toner supply unit inner cover. (Toner Supply Unit Inner Cover)

2. Remove the sub hopper unit [A].

e.g.: Y

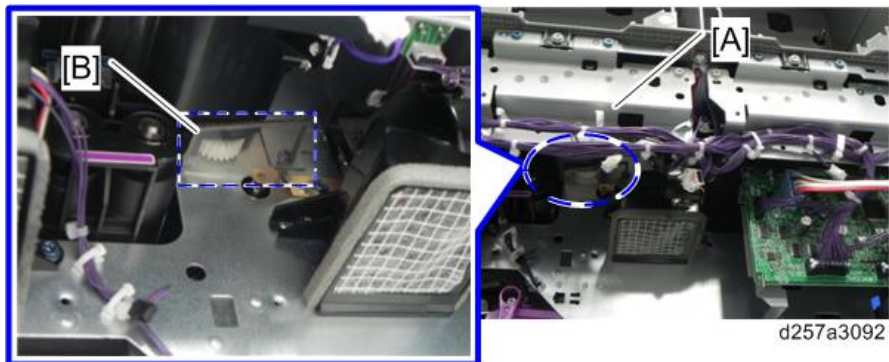


Note

- For the following models and colors, the toner fall prevention sheet is attached to the toner supply unit side.
 - Pro C5200S/C5210S: K, C
 - MP C6503/C8003: K
- When installing the sub hopper unit [A], take care not to tuck the toner fall prevention sheet [B].

The following picture shows the normal state.

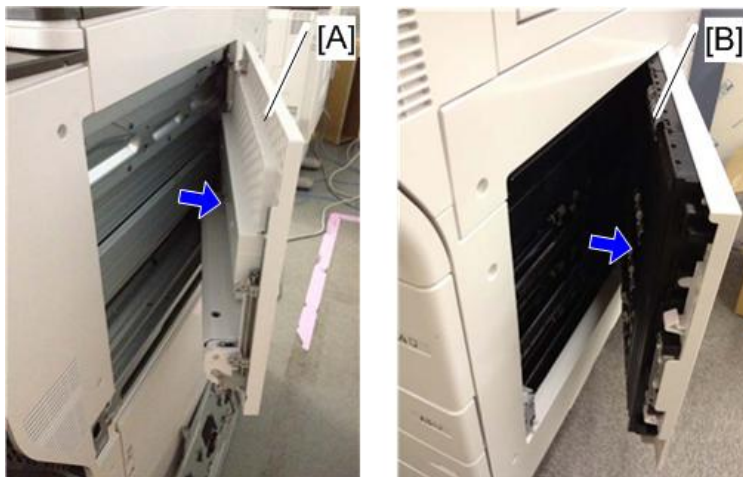
e.g.:C



Adjustment after Sub Hopper Unit (KCMY) replacement

After replacing the sub hopper unit, you have to execute Density Adjustment Process Control.

- 1.** Turn ON the main power switch with the bypass tray unit [A] or the vertical transport door [B] open.



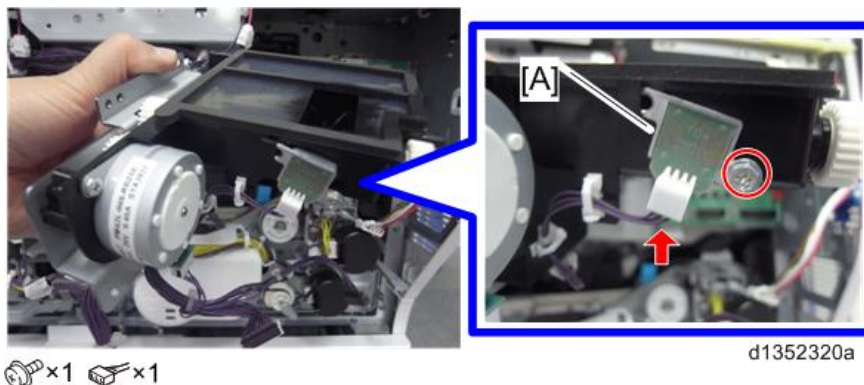
- 2.** Enter SP mode and close the bypass tray unit or vertical transport door.
- 3.** Execute SP3-011-002 (Manual ProCon:Exe > Density Adjustment).
- 4.** Confirm that SP3-012-001 (ProCon OK? > History:Latest) shows “11111111”.

Toner End Sensor (KCMY)

- 1.** Remove the sub hopper unit. ([Sub Hopper Unit \(KCMY\)](#))

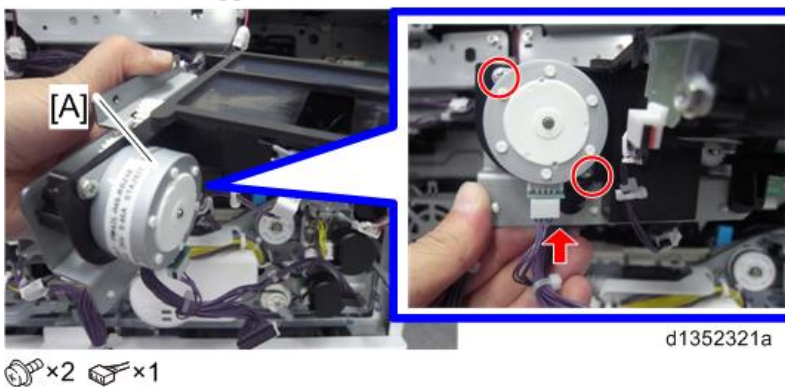
4.Replacement and Adjustment

2. Remove the toner end sensor [A].



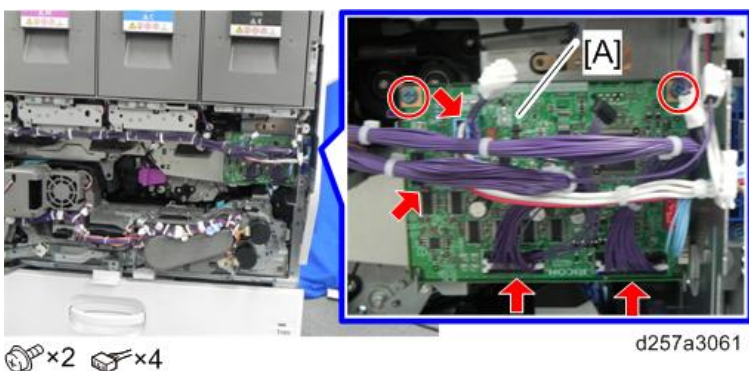
Sub Hopper Motor (KCMY)

1. Remove the sub hopper unit. (Sub Hopper Unit (KCMY))
2. Remove the sub hopper motor [A].



Toner Supply Board (TSB)

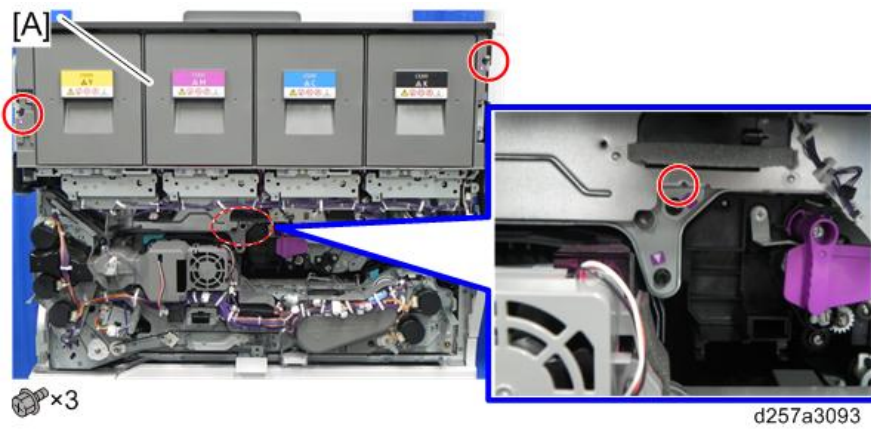
1. Remove the sub hopper unit (K). (Sub Hopper Unit (KCMY))
2. Remove the toner supply board (TSB) [A].



Toner Cartridge Guide

1. Remove the toner supply unit inner cover. (Toner Supply Unit Inner Cover)

2. Remove the fixing screws of the toner supply unit [A].*

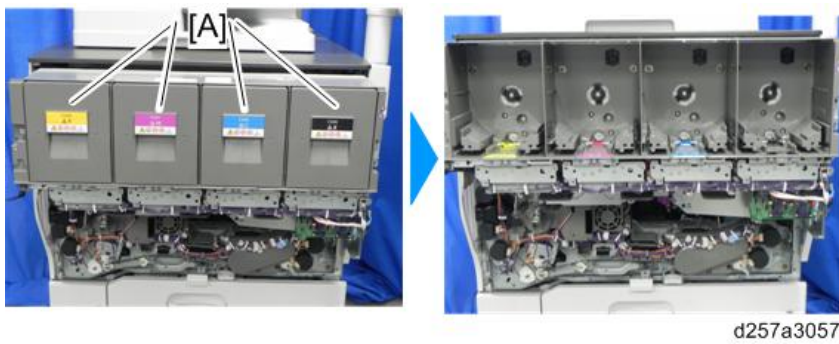


* Pro C5200S/C5210S use TCRU/ORU screws

3. Slide forward the toner supply unit [A].

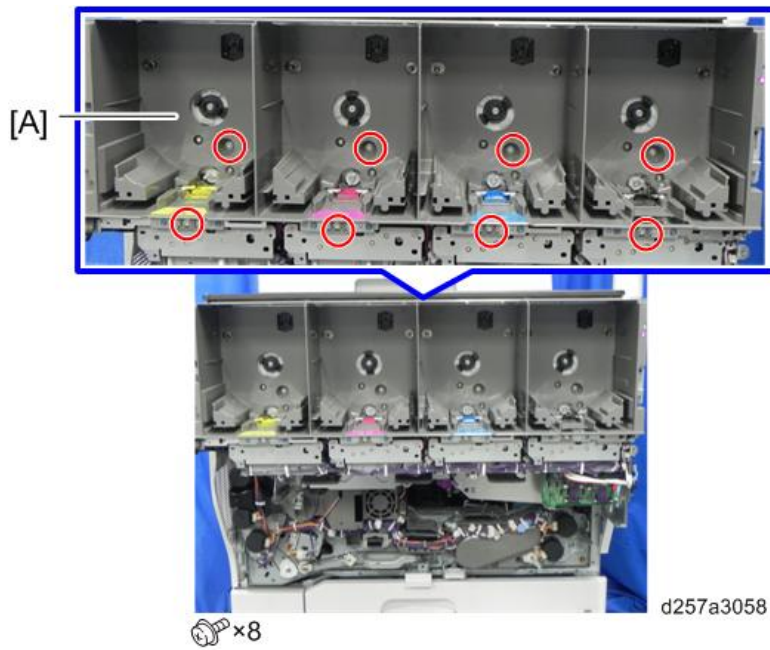


4. Remove the toner cartridge [A].



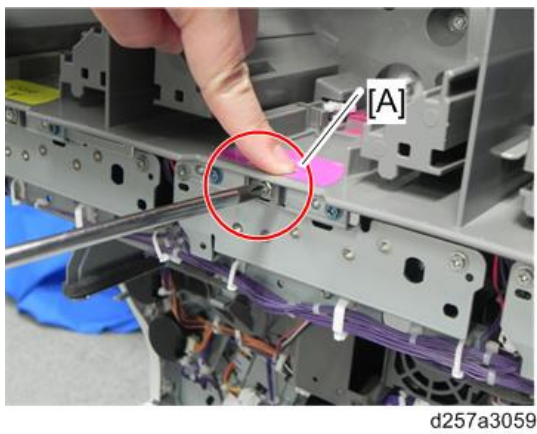
4.Replacement and Adjustment

5. Remove the toner cartridge guide [A].

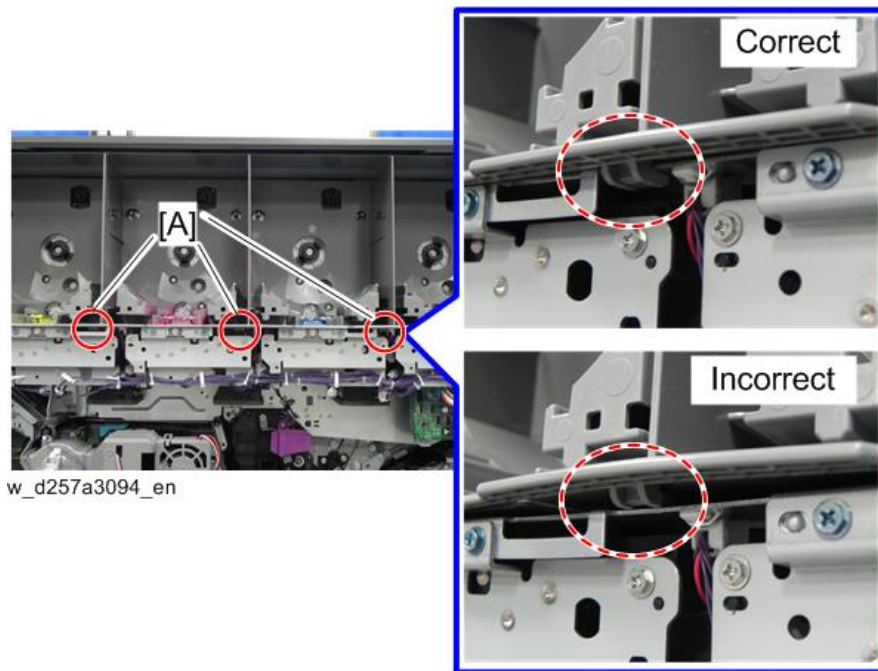


Note

- When installing, tighten the screws on the bottom [A] while holding from the top as shown below.

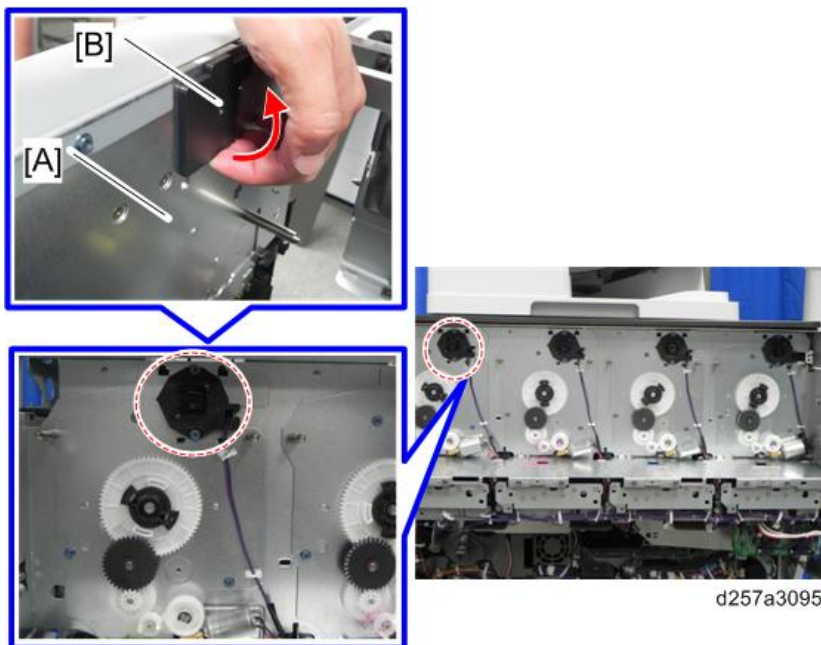


- When installing, hook the hooks [A] under the bottom of the guide correctly.



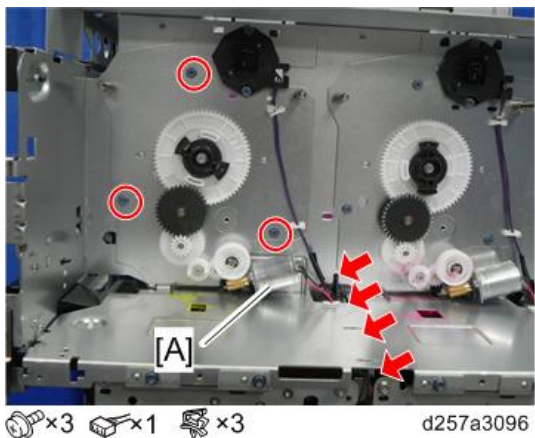
Toner Supply Motor (KCMY)

1. Remove the toner cartridge guide. ([Toner Cartridge Guide](#))
2. Remove the ID chip connector cover [B] from the back of the toner supply unit [A].
e.g.: Y



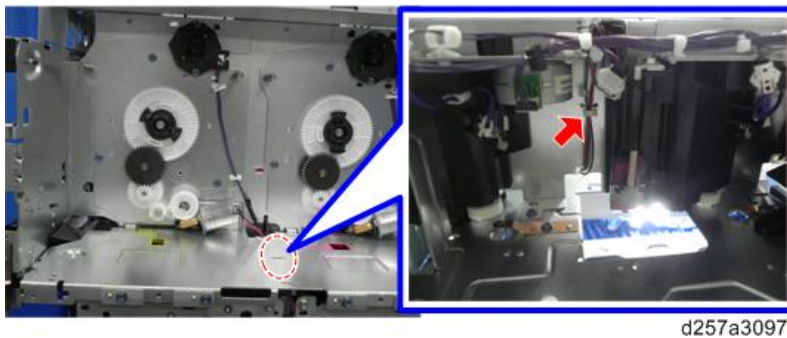
4.Replacement and Adjustment

3. Remove the toner supply motor [A] along with the bracket.



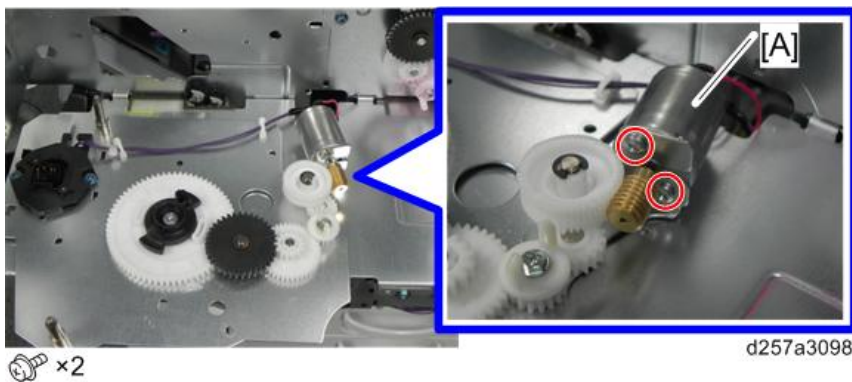
Note

- It will be easier to access the clamp shown below if you remove the development intake fan. (Development Intake Fans (KCMY))



4. Remove the toner supply motor [A].



e.g.: Y



Applying Grease after Replacing the Toner Supply Motor

After replacing the toner supply motor, apply grease to the motor shaft gear to reduce motor noise (Grease: G-1077).

4.Replacement and Adjustment

Lower Limit	Upper Limit
 <p>d257a3373</p>	 <p>d257a3374</p>

Drawer Unit

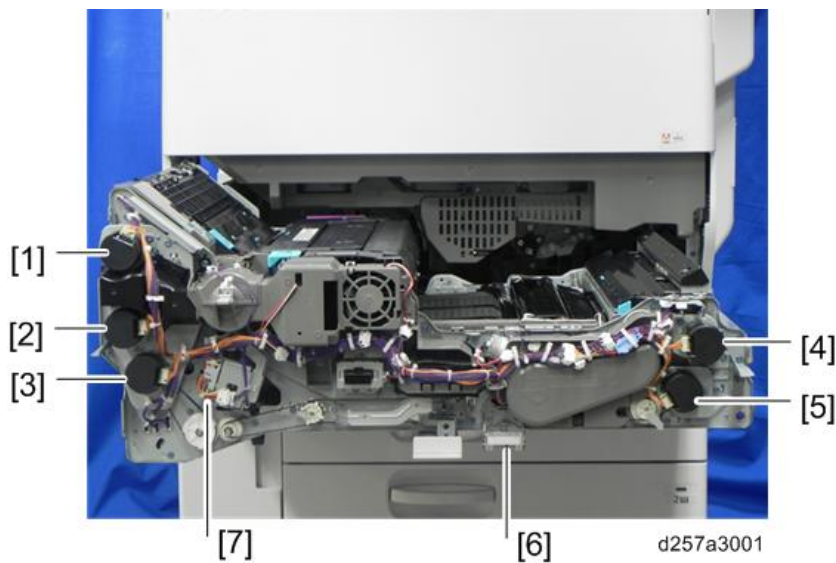
★ Important

- When you have replaced the drawer unit, you must adjust the paper transfer belt unit. ([Adjustment of the Paper Transfer Belt Unit](#))

Layout (Motors)

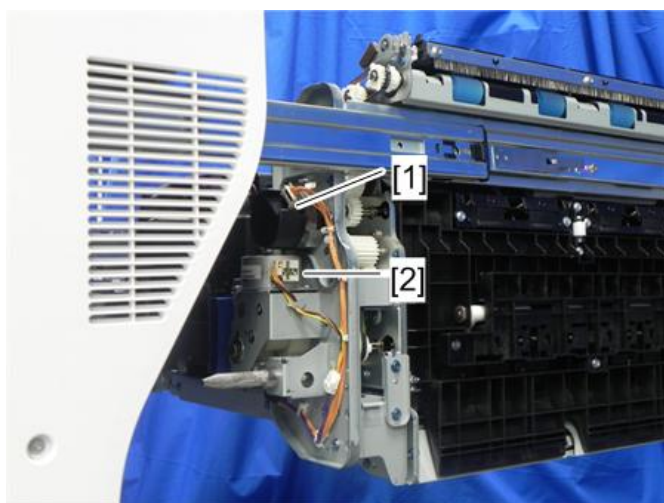
Drawer Unit (Front)

To replace the motors on the front of the drawer unit, first remove the drawer unit cover. ([Drawer Unit Cover](#))



No.	Part Name	Replacement procedure	Remarks
1	Exit Motor	Exit Motor	
2	Duplex Inverter Entrance Motor	Duplex Inverter Entrance Motor	
3	Duplex Transport Motor	Duplex Transport Motor	
4	Registration Motor	Registration Motor	
5	Duplex Exit Motor	Duplex Exit Motor	
6	Drawer Unit Lock Motor	Drawer Unit Lock Motor	
7	Cleaning Web Motor	Cleaning Web Motor (Pro C5200S/C5210S only)	Pro C5200S/C5210S only

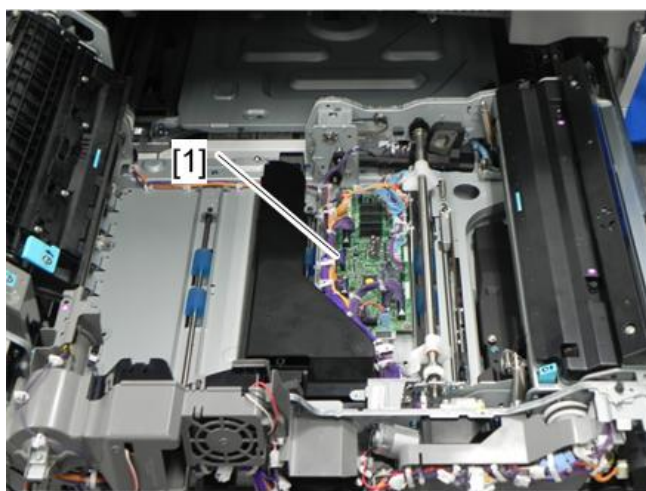
Drawer Unit (Rear)



d257a3002

No.	Part Name	Replacement procedure	Remarks
1	Exit Inverter Motor	Exit Inverter Motor	
2	Cleaning Web Contact Motor	Cleaning Web Contact Motor (Pro C5200S/C5210S only)	Pro C5200S/C5210S only

Layout (Boards)



d257a3079

No.	Part Name	Replacement procedure	Remarks
1	DUB	DUB (Drawer Unit Board)	

4.Replacement and Adjustment

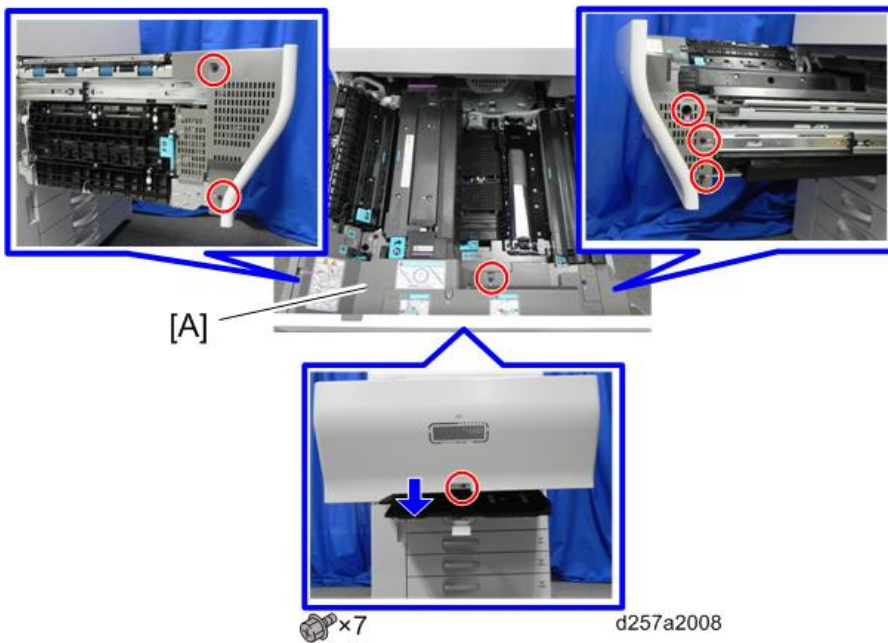
Drawer Unit Cover

1. Open the drawer unit [A].



d257a3003

2. Remove the drawer unit cover [A].*

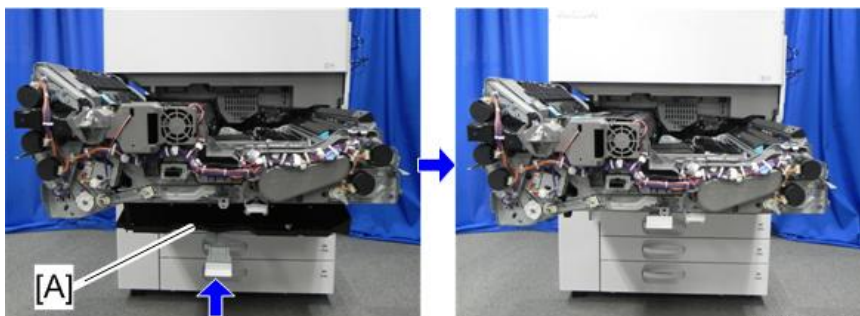


d257a2008

* Pro C5200S/C5210S use TCRU/ORU screws

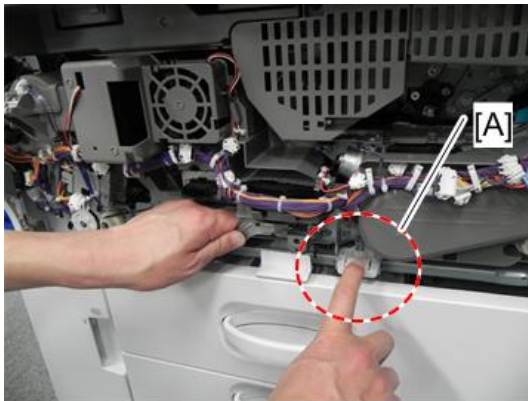
Note

- After removing the drawer unit cover, when the drawer unit is returned to the machine, you can close the guide plate [A] of the paper exit and duplex unit.



d257a2009

- After removing the drawer unit cover, when the drawer unit is pushed all the way in, the drawer is locked by the lock lever at the right side of the handle. If the drawer is locked, pull out the drawer unit while holding the lock lever [A] as shown in the picture below.



d257a2010

If the Drawer is Locked

When the drawer is locked, deal with the problem depending on the symptom.

This section shows the procedure to unlock when there is a failure of the drawer unit lock sensor or drawer unit lock motor.

- 1.** Remove the left middle cover of the outer cover ([Left Middle Cover](#))
- 2.** Remove the right middle front cover of the outer cover (Pro C5200S/C5210S: [Right Middle Front Cover \(Pro C5200S/C5210S\)](#). MP C6503/C8003: [Right Middle Front Cover \(MP C6503/C8003\)](#))
- 3.** Remove the fixing screws of the left and right sides of the drawer unit cover [A].

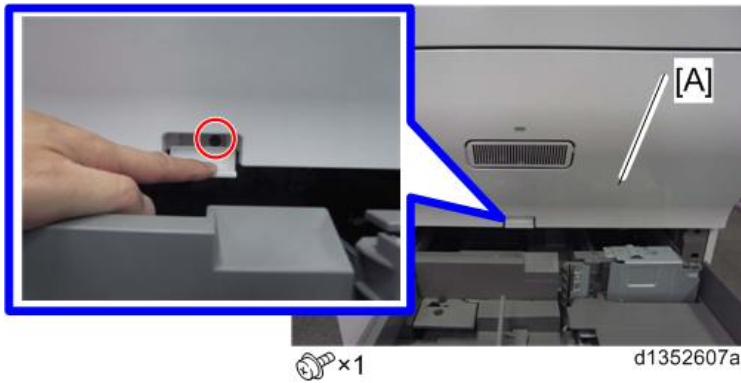


 x5

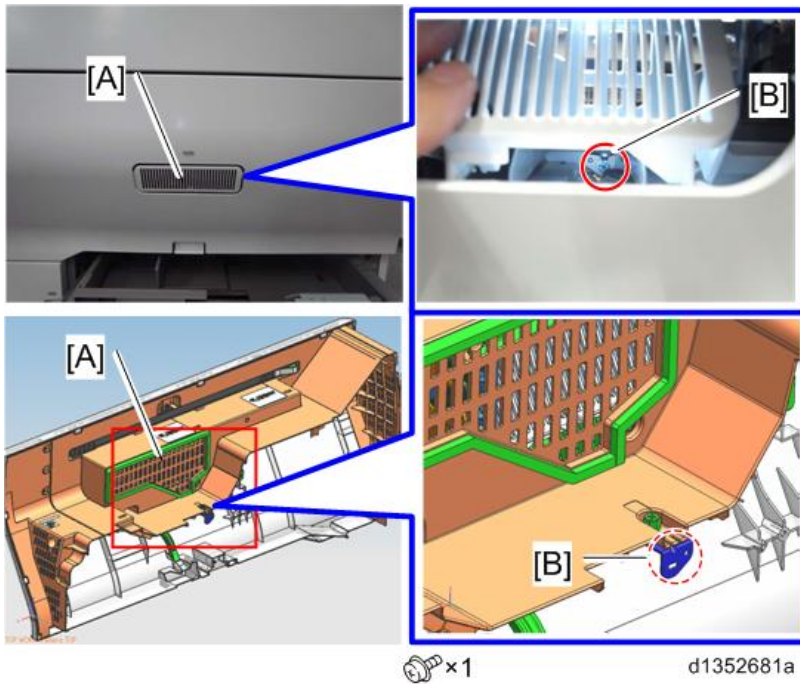
d1352606a

4.Replacement and Adjustment

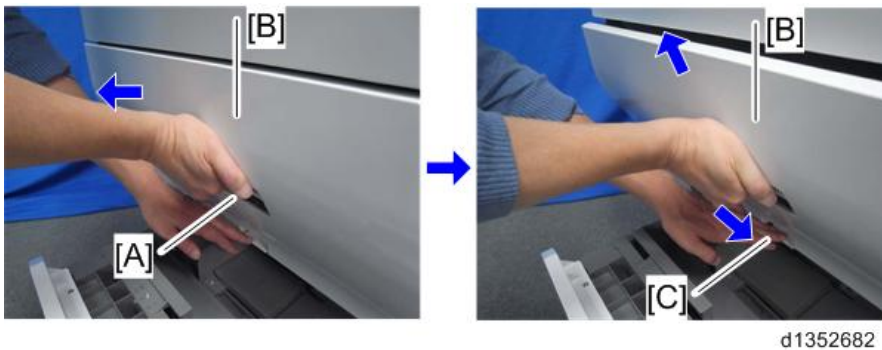
4. Open the paper feed tray, then remove the fixing screw on the bottom of the drawer unit cover [A].



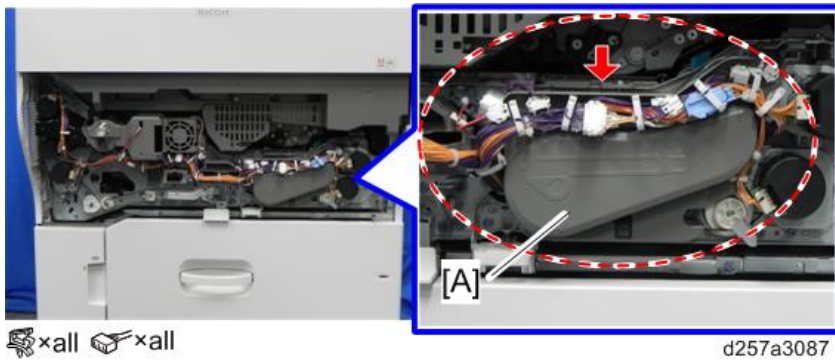
5. Insert the driver from the flapper handle [A], and remove the bracket screw [B].



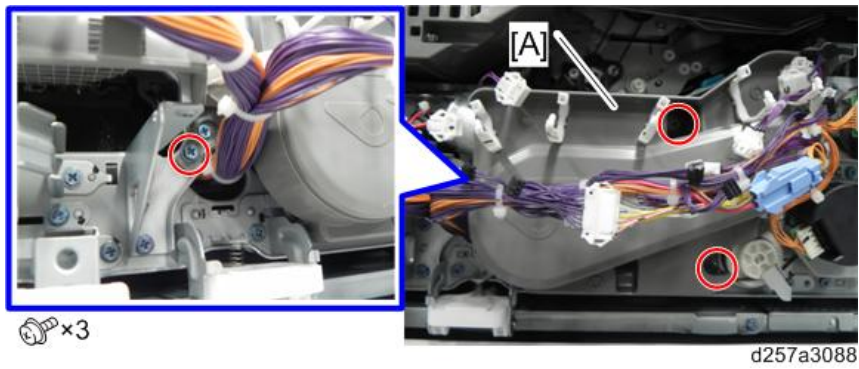
6. Put a hand in the flapper handle [A] and pull the drawer unit cover [B] to the front. Then hold the guide plate [C] of the paper exit and duplex unit, and remove the drawer unit cover [B] in an upward direction.



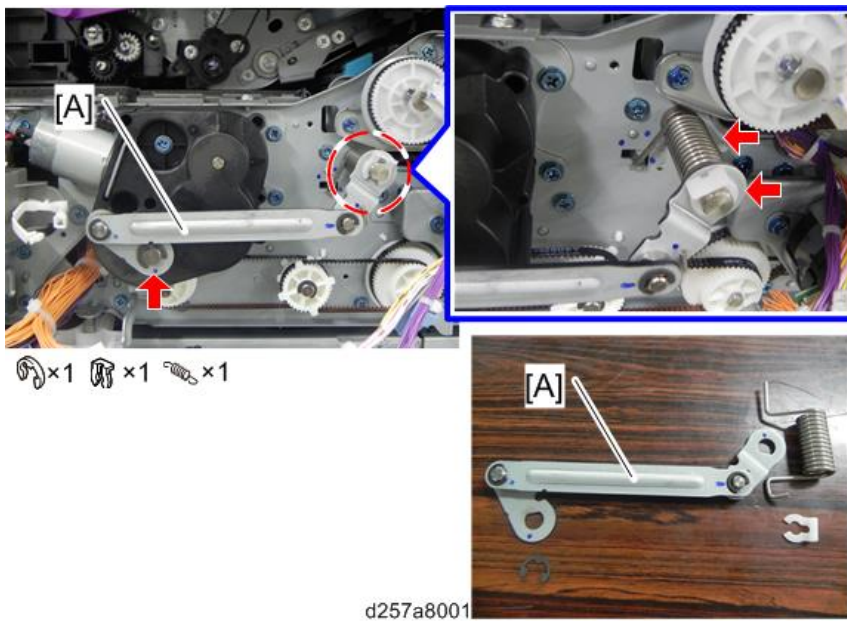
7. Disconnect the connectors, clamps, etc., in order to remove the drawer unit lock motor cover [A].



8. Remove the drawer unit lock motor cover [A].

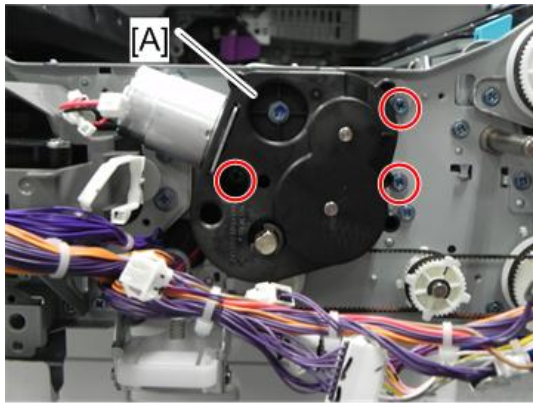


9. Remove the link [A].



4.Replacement and Adjustment

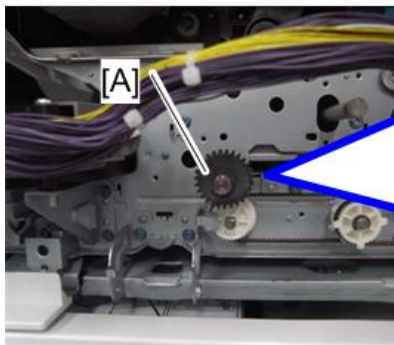
- 10.** Remove the drawer unit lock motor block [A].



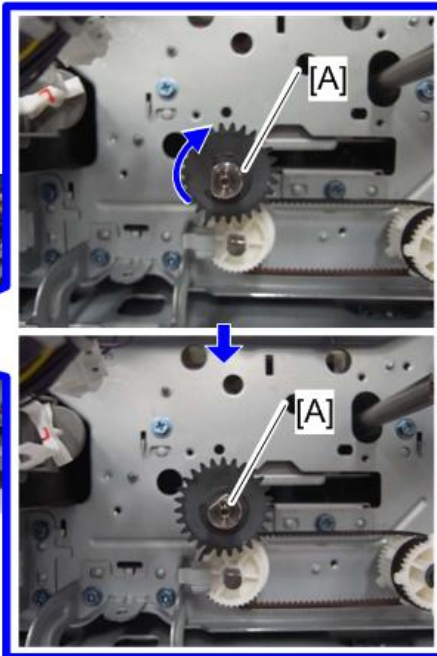
 x3

d257a3081

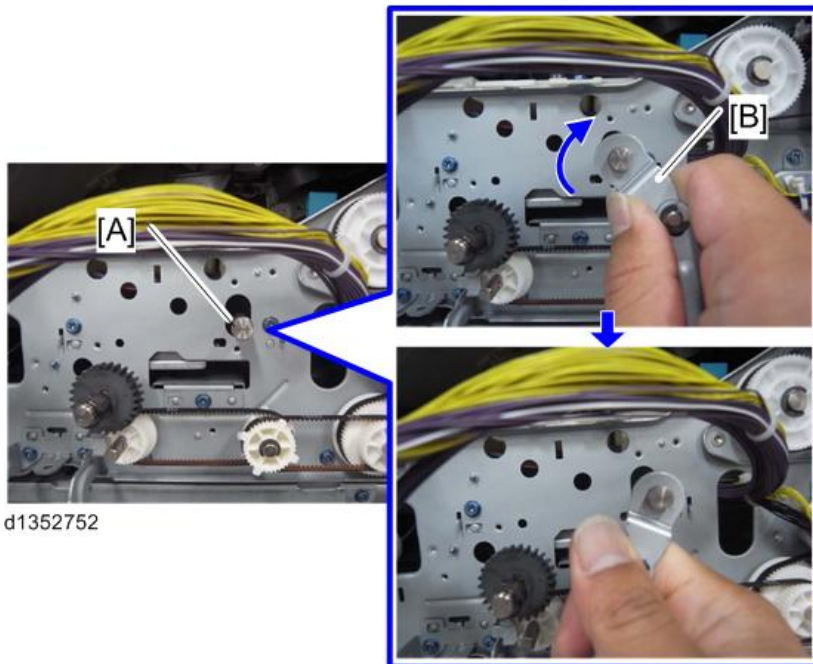
- 11.** Turn the lock shaft [A] clockwise to release the lock.



d1352684

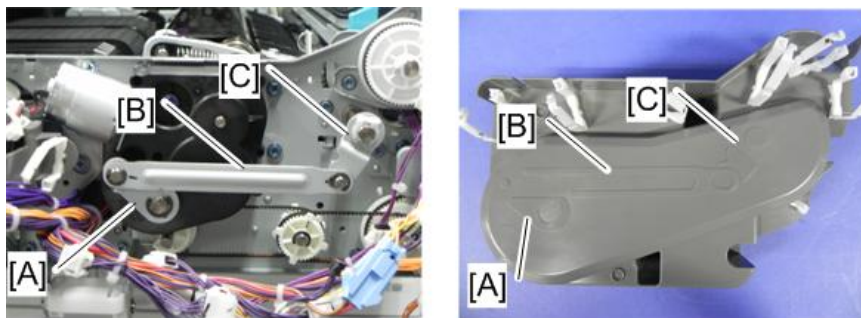


- 12.** Turn the paper transfer roller shaft [A] clockwise by using the link [B] to separate the paper transfer roller unit from the ITB. You can pull the drawer unit out.



Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
 - Lock shaft (Cut surface to the upper left) [A]
 - Link [B]
 - Paper transfer roller shaft (Cut surface to the lower side) [C]

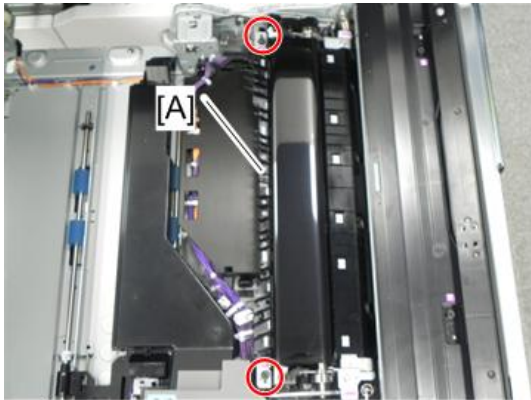


DUB (Drawer Unit Board)

- 1.** Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))

4.Replacement and Adjustment

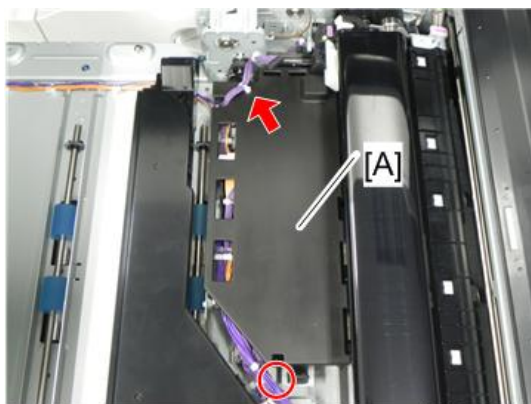
- 2.** Remove the exit guide plate [A].



🔩 × 2

d257a3029

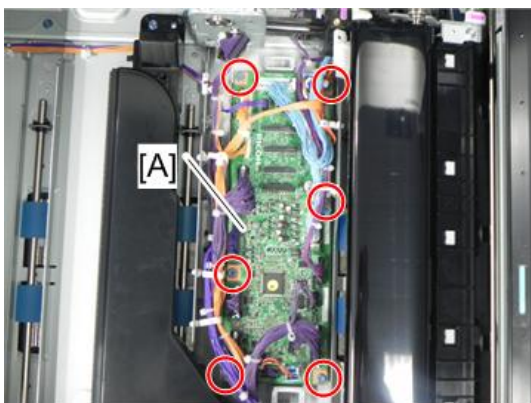
- 3.** Remove the DUB cover [A].



🔩 × 1

d257a3030

- 4.** Remove the DUB [A].

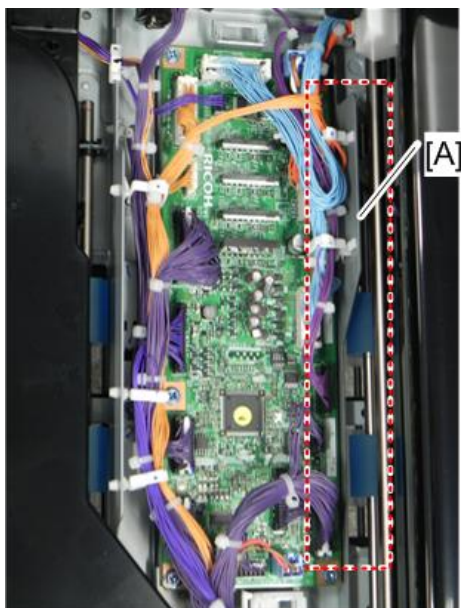


🔩 × all 📏 × all 🔩 × 6

d257a3031

Note

- When you install the DUB, take care not to pinch the harness between the DUB cover and the plate [A].



d257a3032

Curled Cord

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the registration unit. ([Registration Unit](#))
3. Remove the relay unit. ([Relay Unit](#))
4. Remove the paper transfer roller unit. ([Paper Transfer Belt Unit](#))
5. Remove the guide plate.
6. Open the bypass tray unit [A]. Remove the guide plate [B].

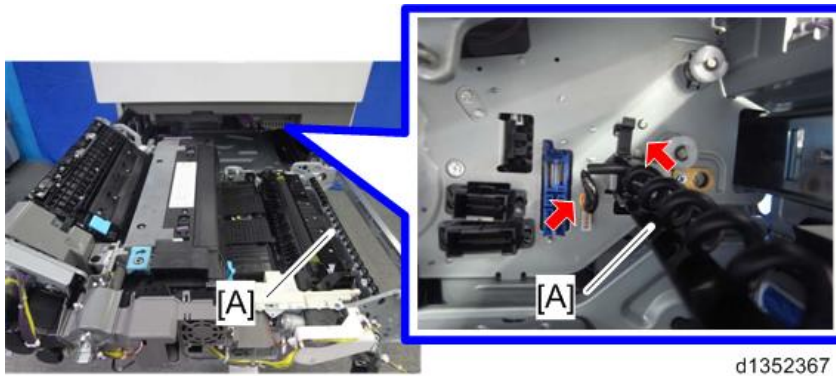


⌀ ×1

d257a3073

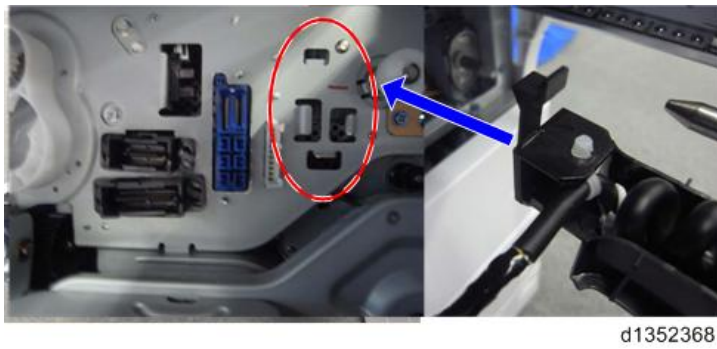
4.Replacement and Adjustment

7. Remove the curled cord support material [A] that is connected to the rear of the machine.

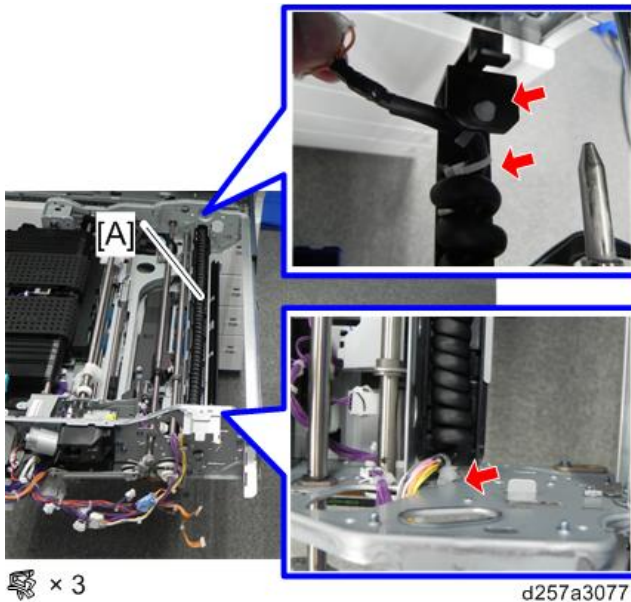


Note

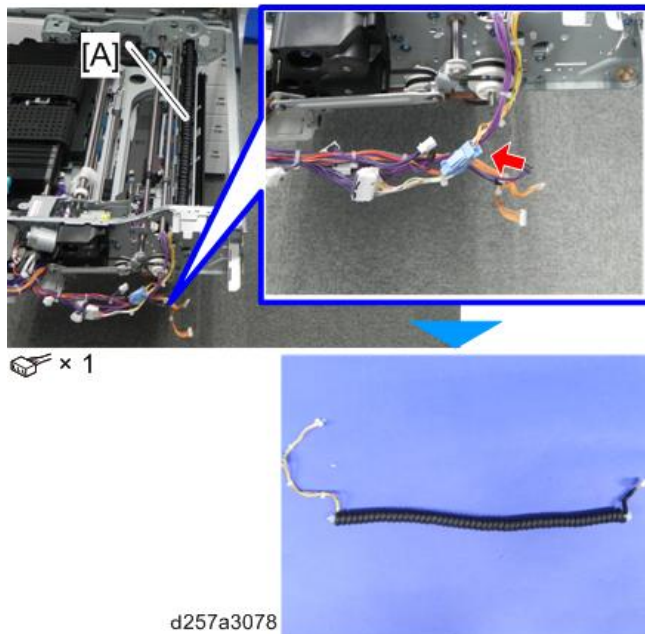
- When mounting the curled cord, fit the support material in the hole in the rear of the machine.



8. Remove the left and right clamps fixing the curled cord [A].

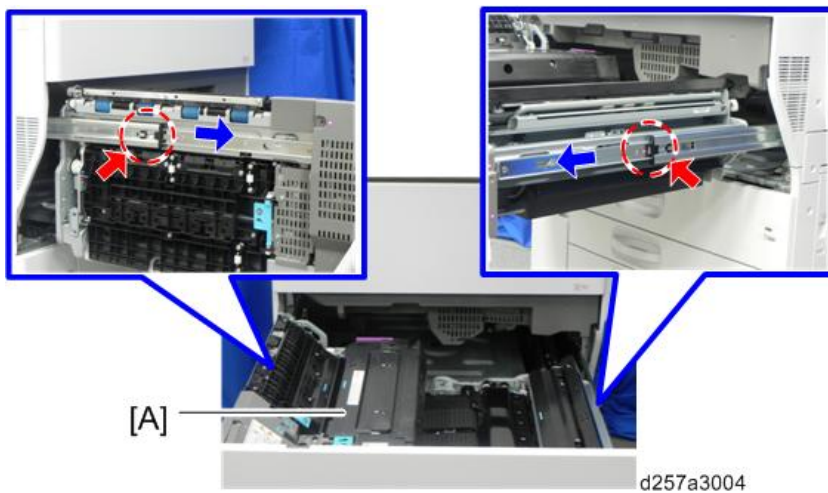


9. Remove the curled cord [A].



Drawer Unit Connector

1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.

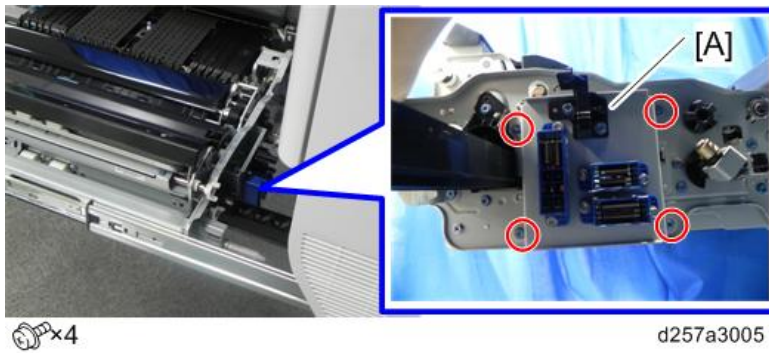


Note

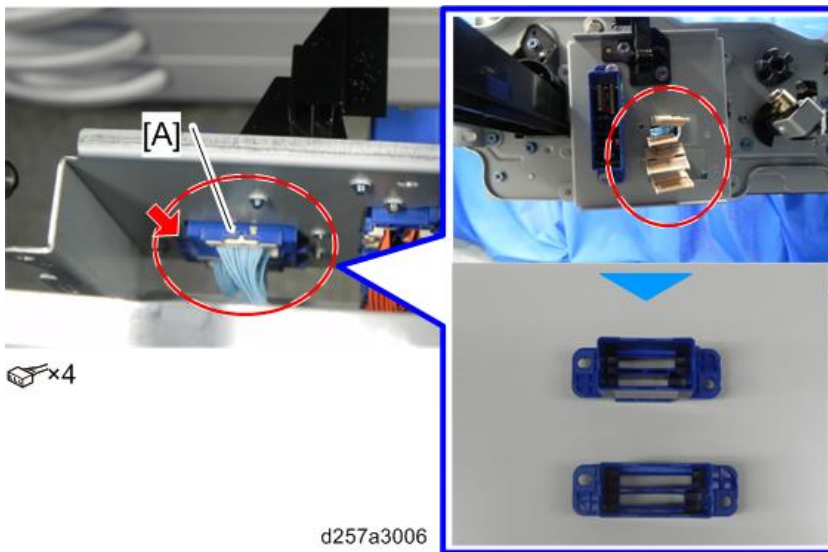
- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

4.Replacement and Adjustment

2. Remove the drawer unit connector bracket [A].



3. Remove the drawer unit connector [A].

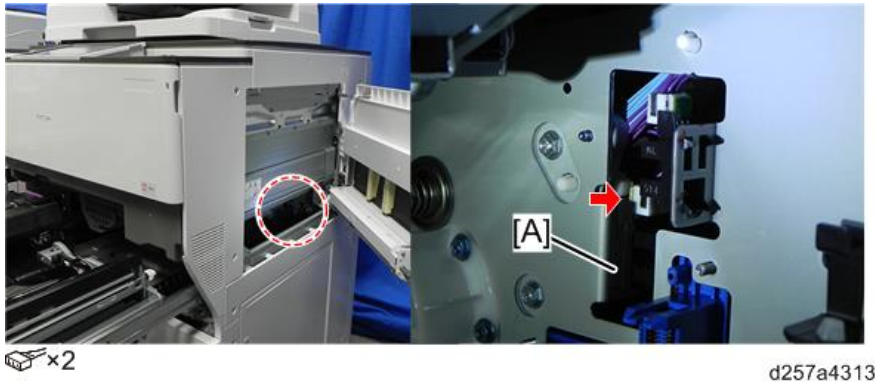


Drawer Set Sensor 1

1. Open the drawer unit.
2. Open the bypass unit [A]. Remove the guide plate [B].

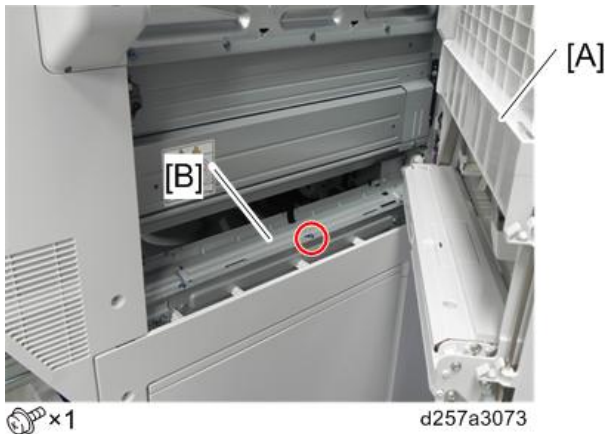


3. Remove the drawer set sensor 1 [A].

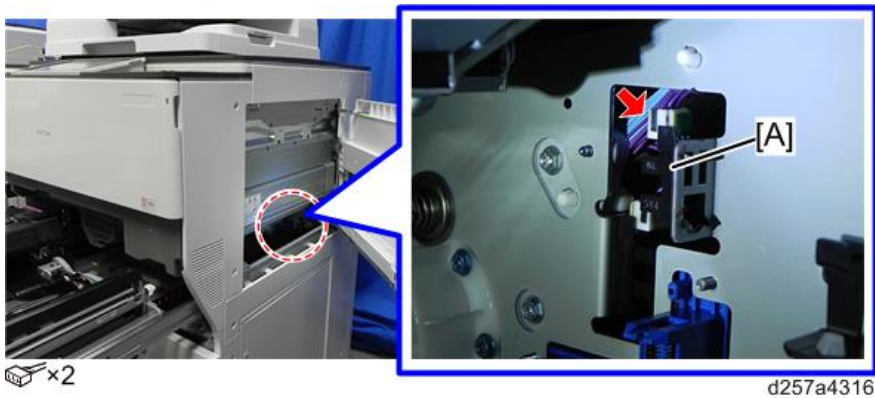


Drawer Set Sensor 2

1. Open the drawer unit.
2. Open the bypass unit [A]. Remove the guide plate [B].



3. Remove the drawer set sensor 2 [A].

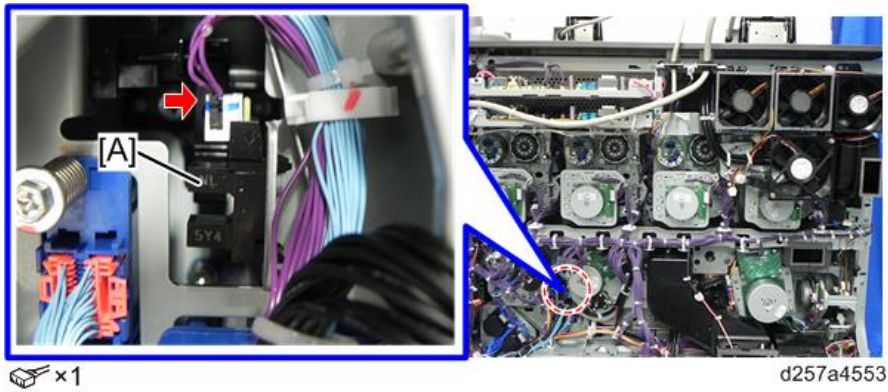


Drawer Unit Set Sensor

1. Remove the IOB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the IOB)

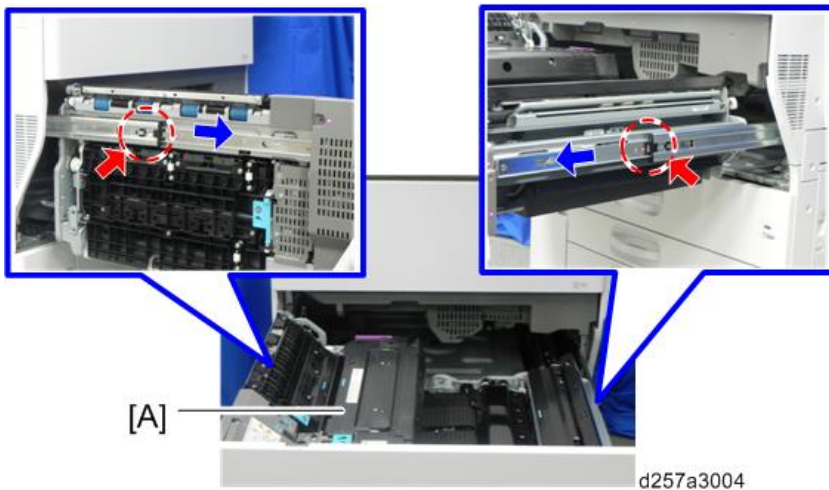
4.Replacement and Adjustment

2. Remove the drawer unit set sensor [A].



Drawer Unit Lock Sensor

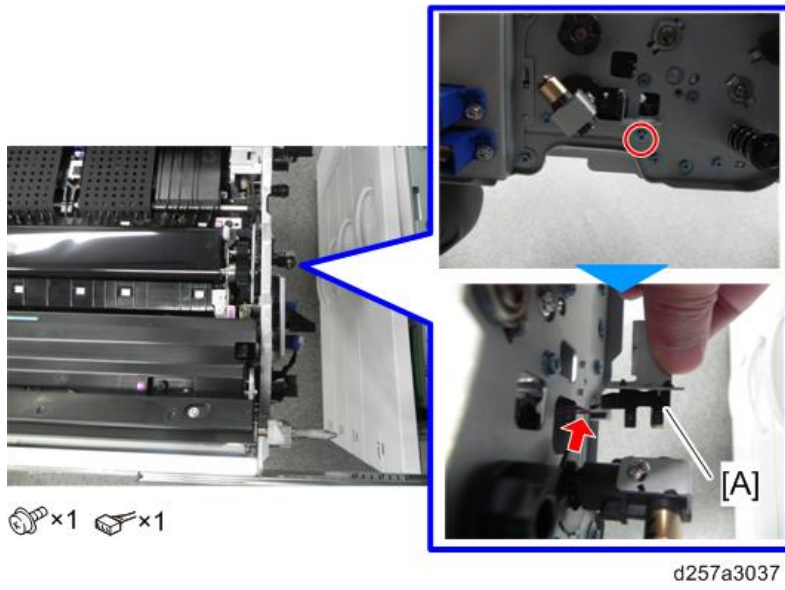
1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



Note

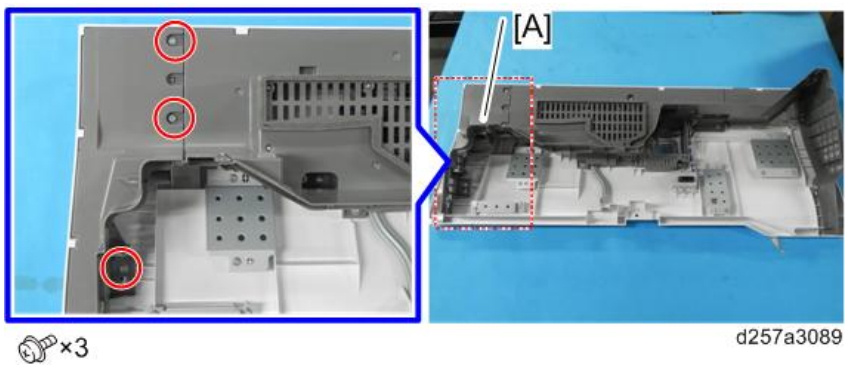
- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Remove the drawer unit lock sensor [A].



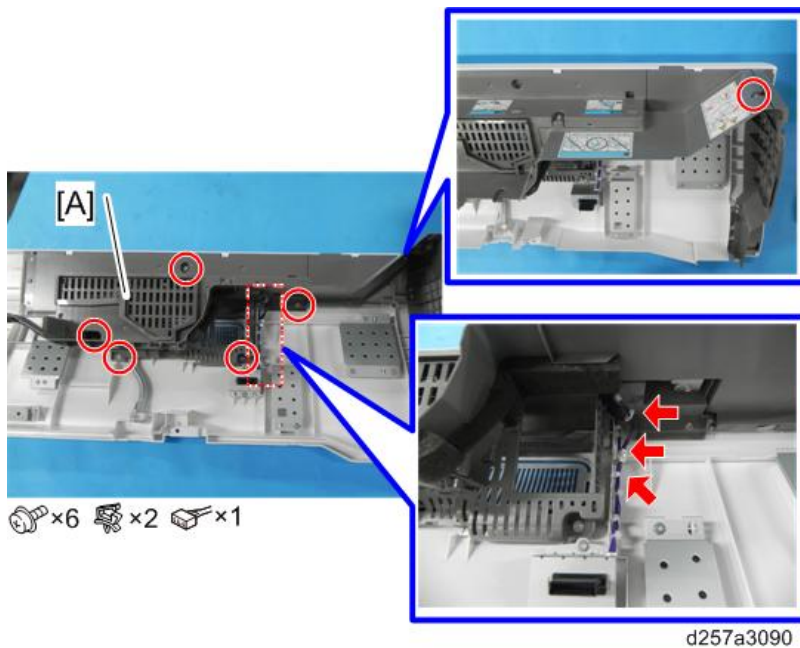
Drawer Unit Flapper Sensor

1. Remove the drawer unit cover. (Drawer Unit Cover)
2. Remove the left cover [A].

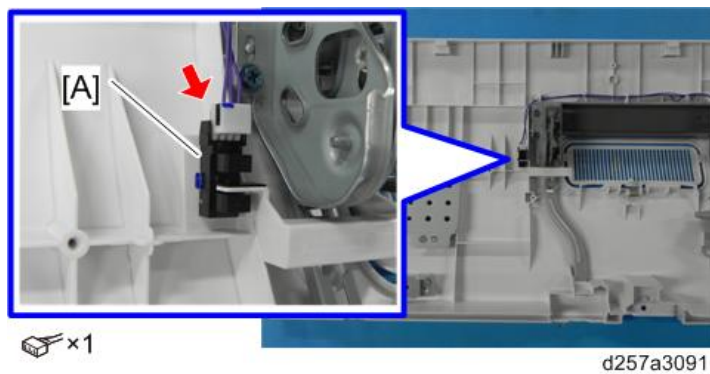


4.Replacement and Adjustment

3. Remove the middle cover [A].



4. Remove the drawer unit flapper sensor [A].

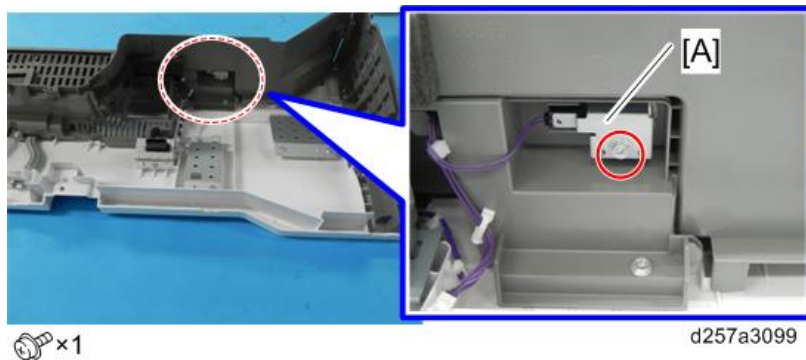


Drawer LEDs (LED 1-3)

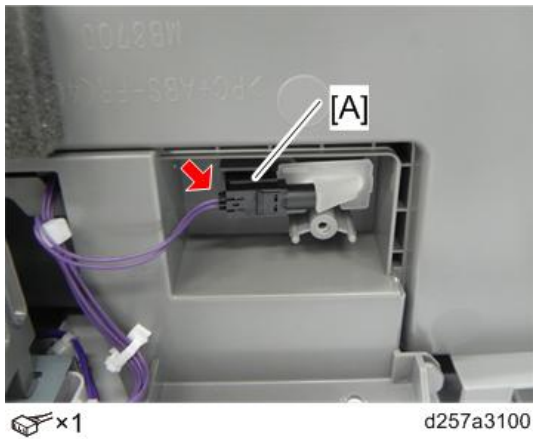
LED 1

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

2. Remove the bracket [A].

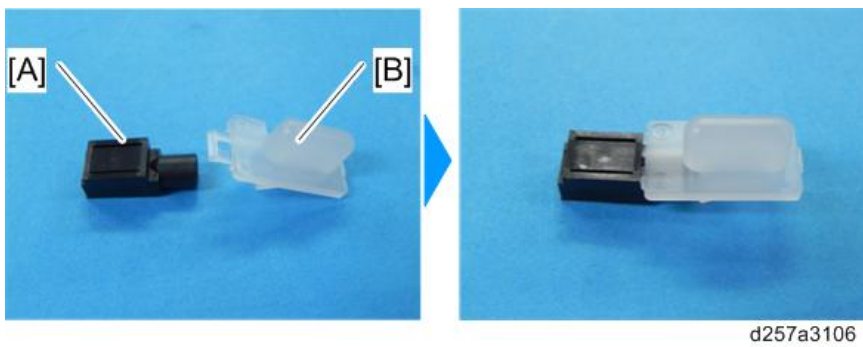


3. Remove LED 1 [A].



Note

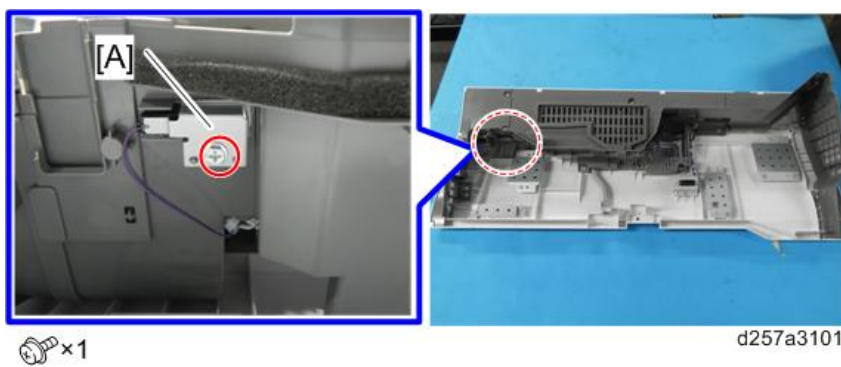
- Put the lens [B] on the LED [A] before installing.



LED 2

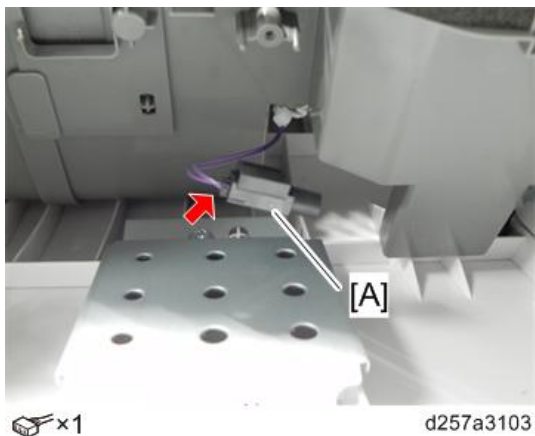
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

2. Remove the bracket [A].



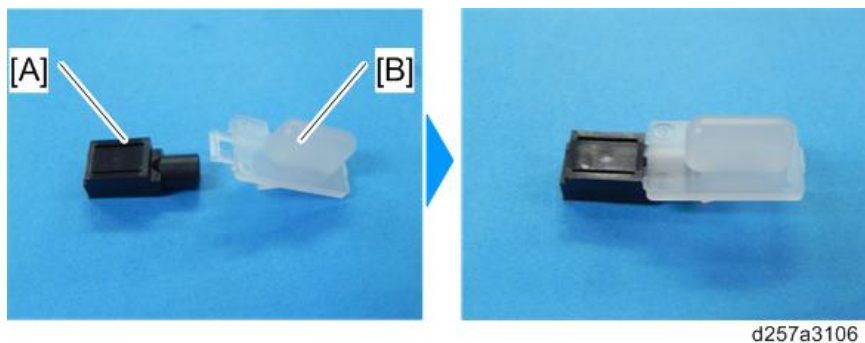
4.Replacement and Adjustment

3. Remove LED 2 [A].



Note

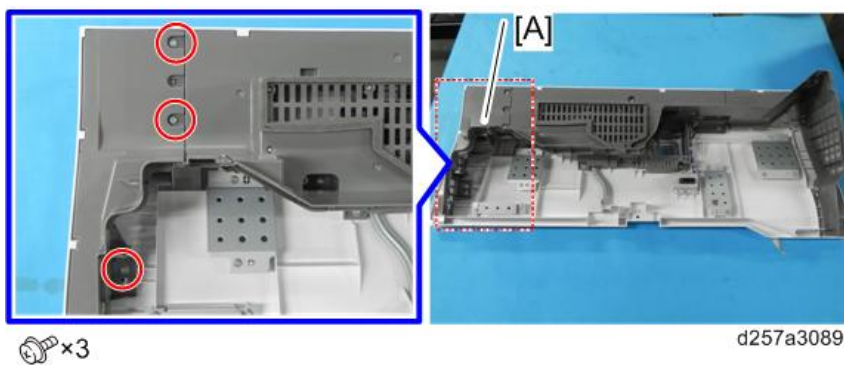
- Put the lens [B] on the LED [A] before installing.



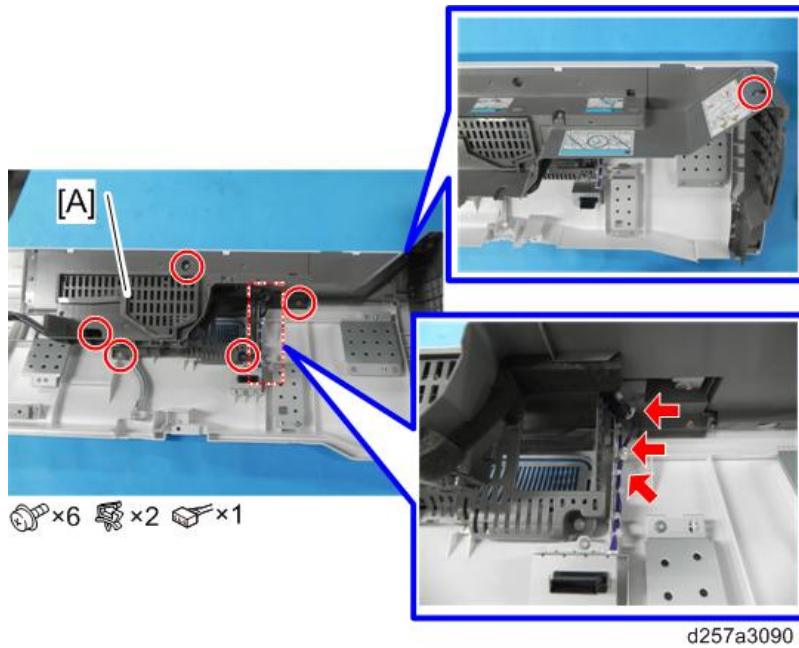
LED 3

1. Remove the drawer unit cover. (Drawer Unit Cover)

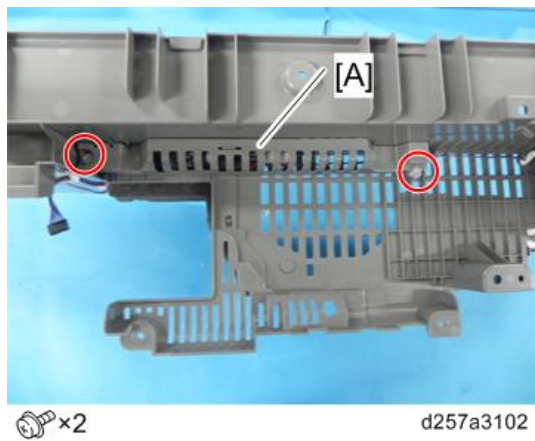
2. Remove the left cover [A].



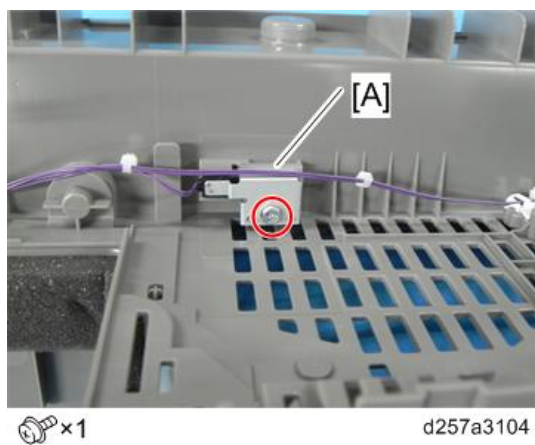
- 3.** Remove the middle cover [A].



- 4.** Remove the cover [A].

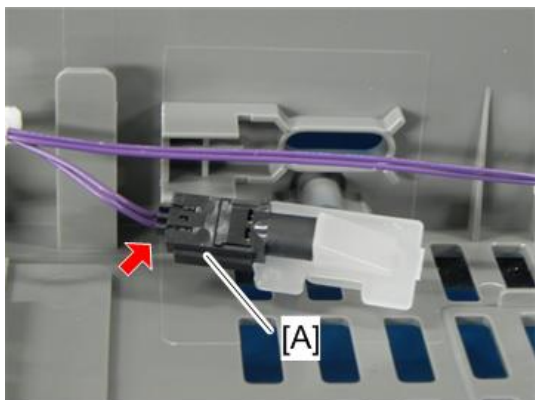


- 5.** Remove the bracket [A].



4.Replacement and Adjustment

6. Remove LED 3 [A].

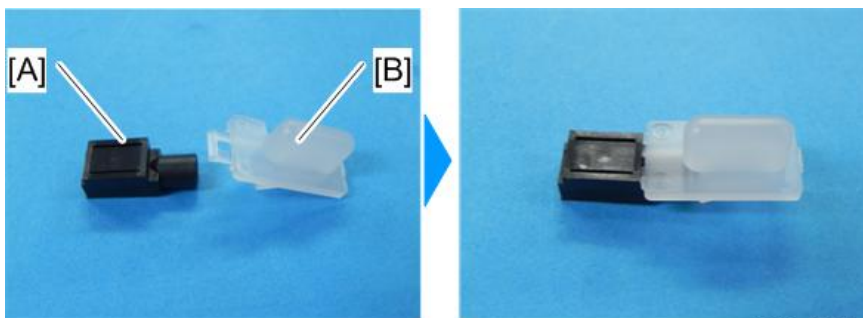


 x1

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Note

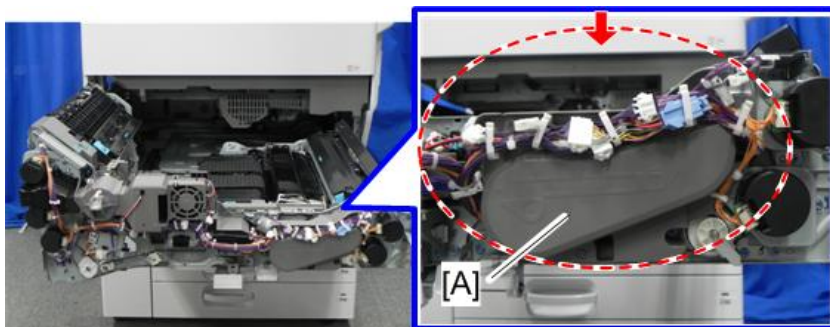
- Put the lens [B] on the LED [A] before installing.



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Drawer Unit Lock Motor

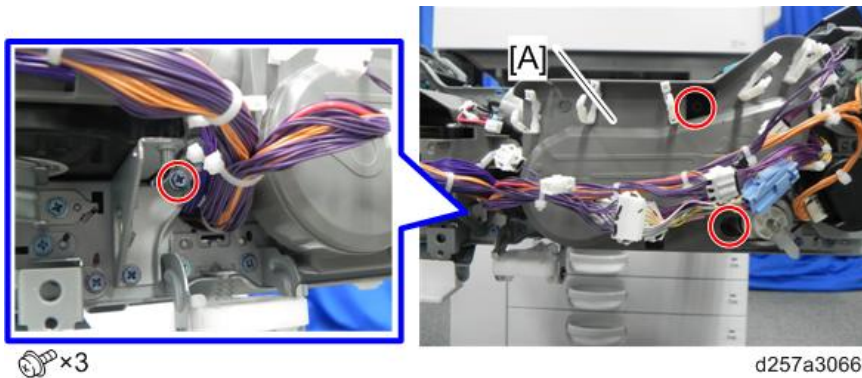
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Disconnect the connectors, clamps, etc., in order to remove the drawer unit lock motor cover [A].



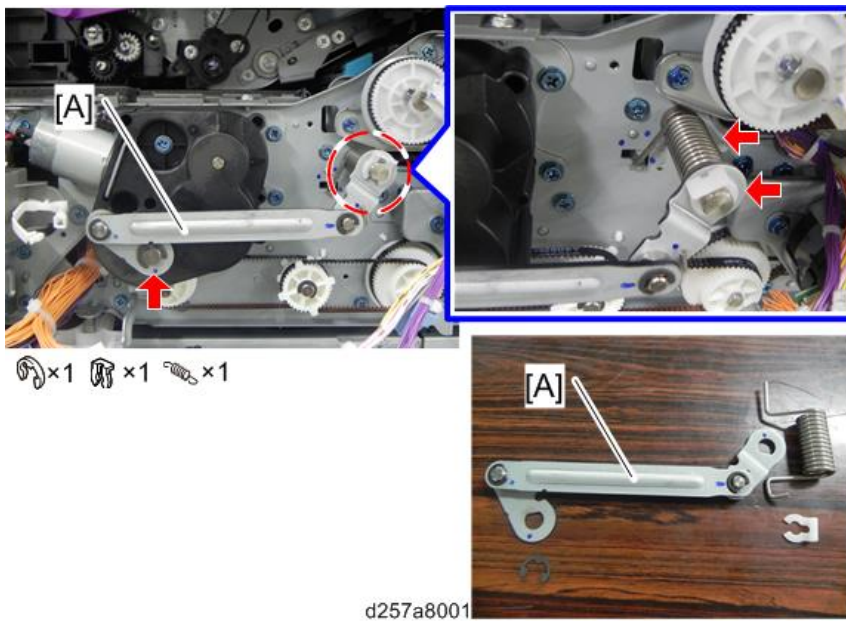
 xall  xall

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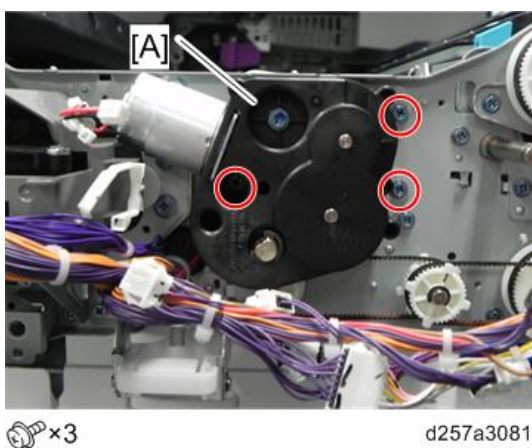
3. Remove the drawer unit lock motor cover [A].



4. Remove the link [A].



5. Remove the drawer unit lock motor block [A].

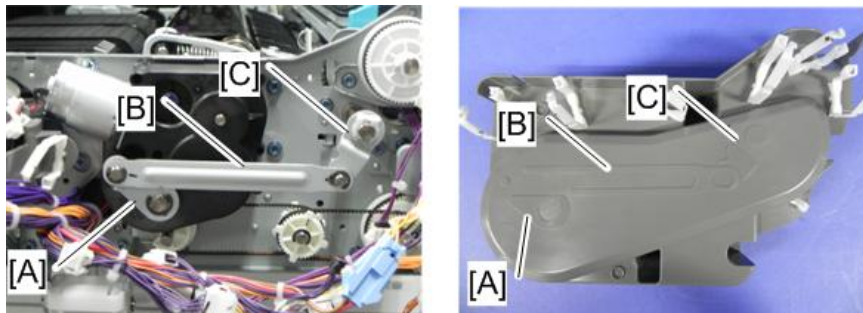


Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
- Lock shaft (Cut surface to the upper left) [A]

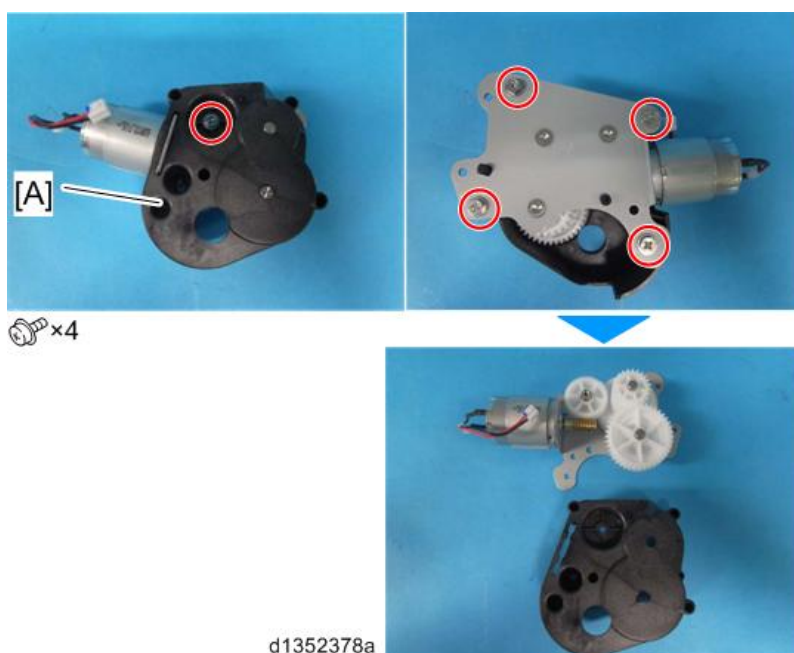
4.Replacement and Adjustment

- Link [B]
- Paper transfer roller shaft (Cut surface to the lower side) [C]



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- 6.** Remove the drawer unit lock motor holder [A].



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- 7.** Take off the gears, and remove the drawer unit lock motor [A].

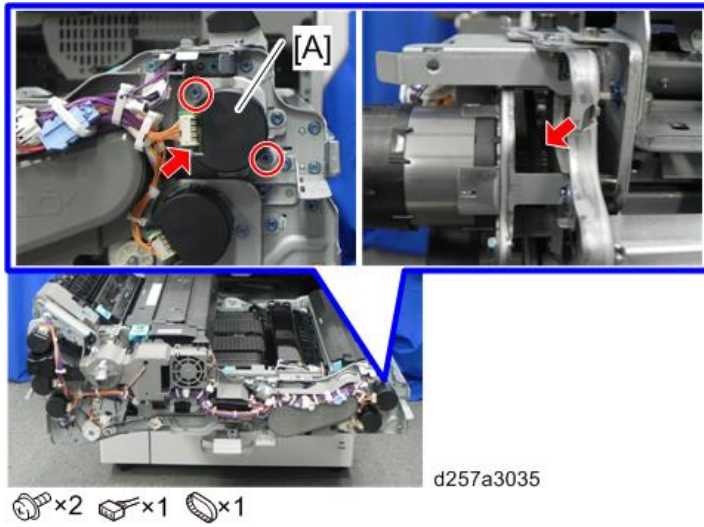


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Registration Motor

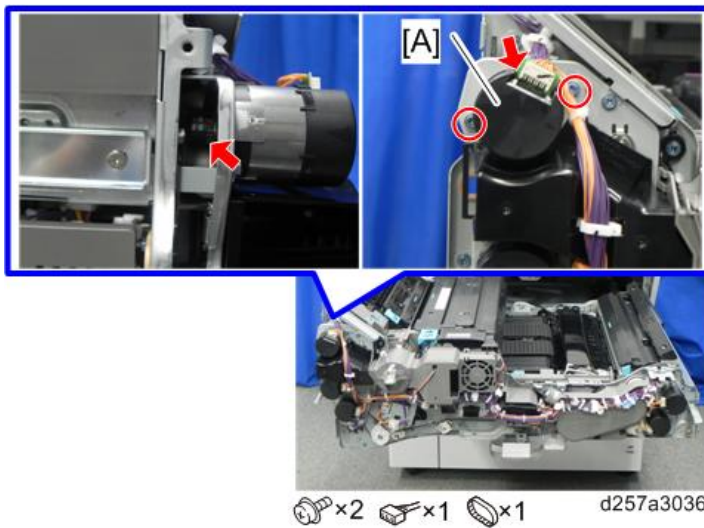
- 1.** Remove the drawer unit cover. ([Drawer Unit Cover](#))

2. Remove the registration motor [A].



Exit Motor

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the exit motor [A].

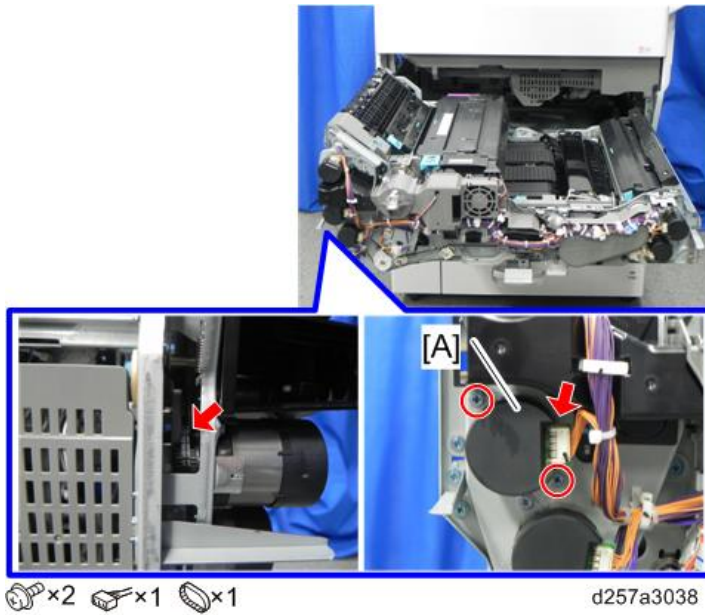


Duplex Inverter Entrance Motor

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

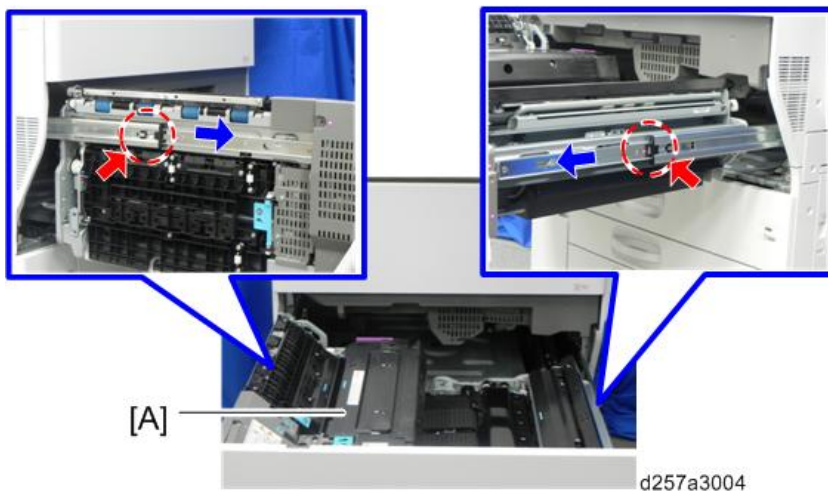
4.Replacement and Adjustment

2. Remove the duplex inverter entrance motor [A].



Exit Inverter Motor

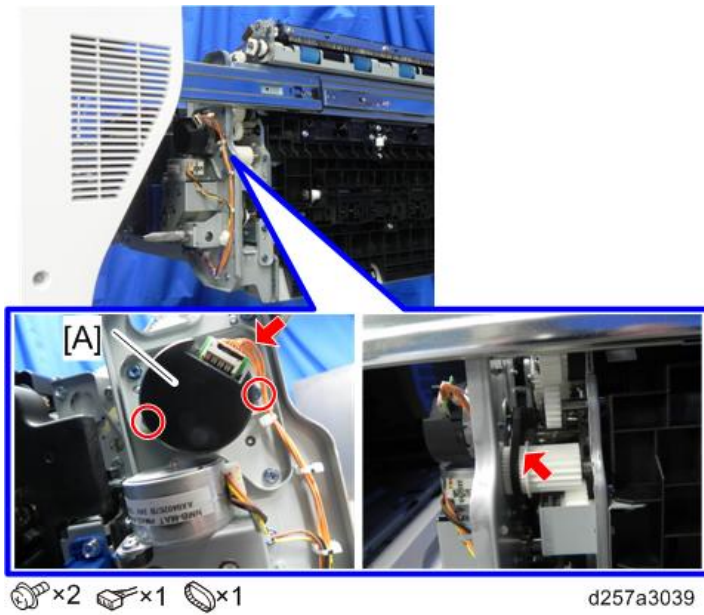
1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



Note

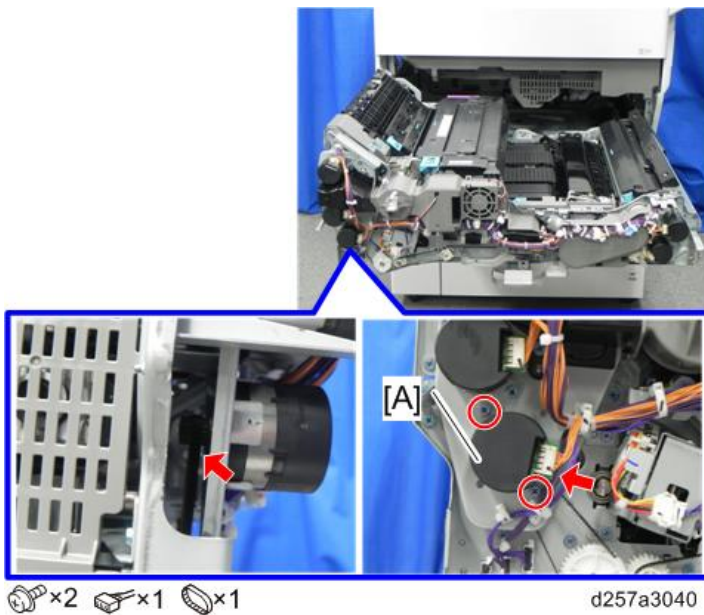
- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Remove the exit inverter motor [A].



Duplex Transport Motor

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the duplex transport motor [A].

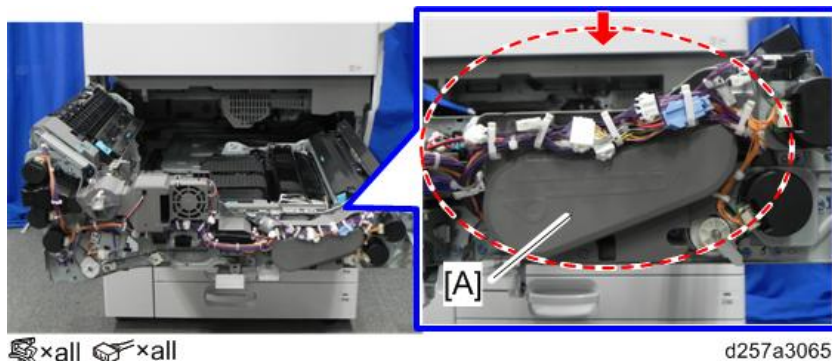


Duplex Exit Motor

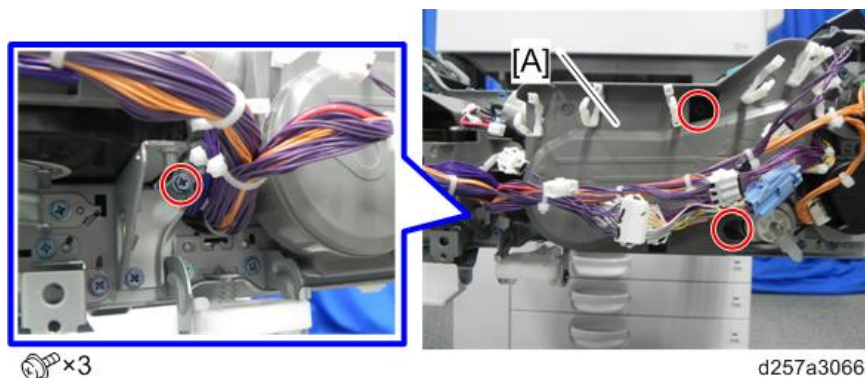
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

4.Replacement and Adjustment

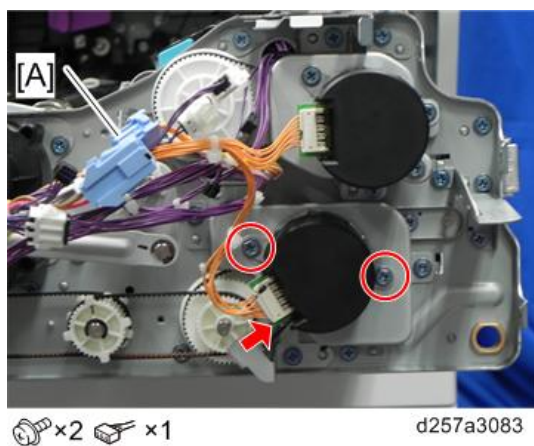
2. Disconnect the connectors, clamps, etc., in order to remove the drawer unit lock motor cover [A].



3. Remove the drawer unit lock motor cover [A].



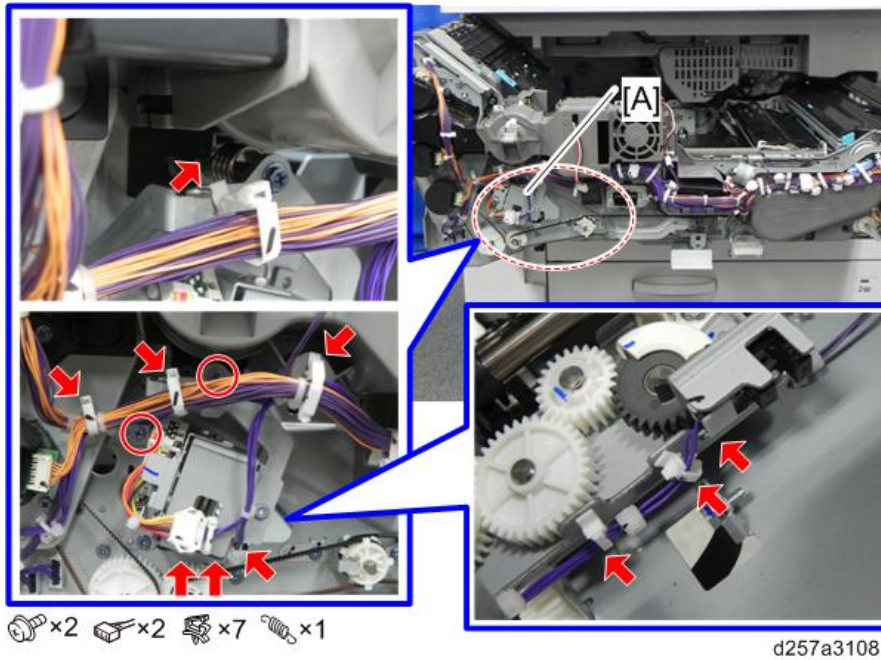
4. Remove the duplex exit motor [A].



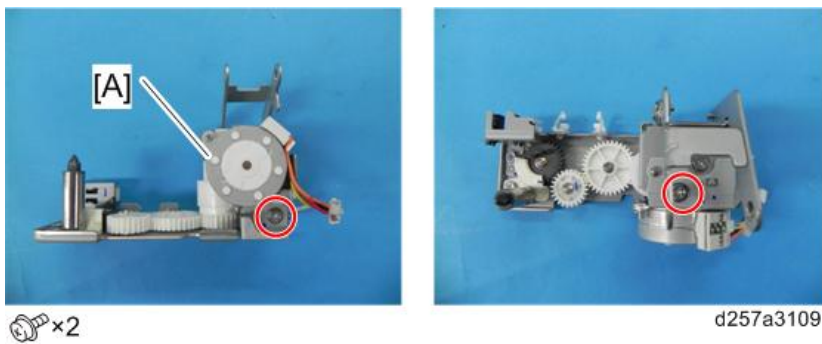
Cleaning Web Motor (Pro C5200S/C5210S only)

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the fusing unit. ([Removing the Fusing Unit](#))

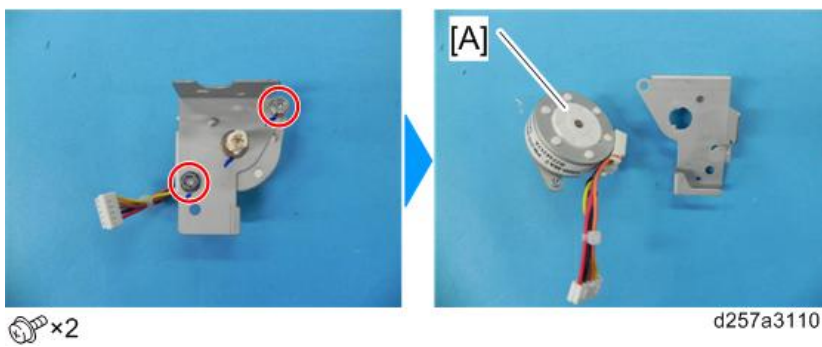
3. Remove the cleaning web motor block [A].



4. Remove the cleaning web motor [A] along with the bracket.

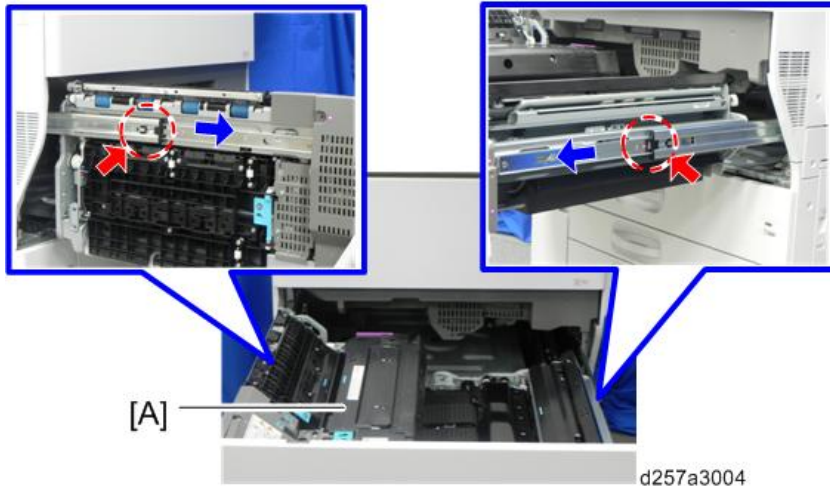


5. Remove the cleaning web motor [A] from the bracket



Cleaning Web Contact Motor (Pro C5200S/C5210S only)

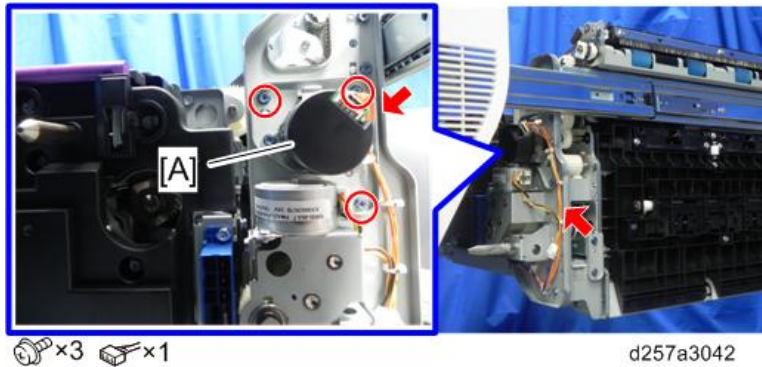
- 1.** In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



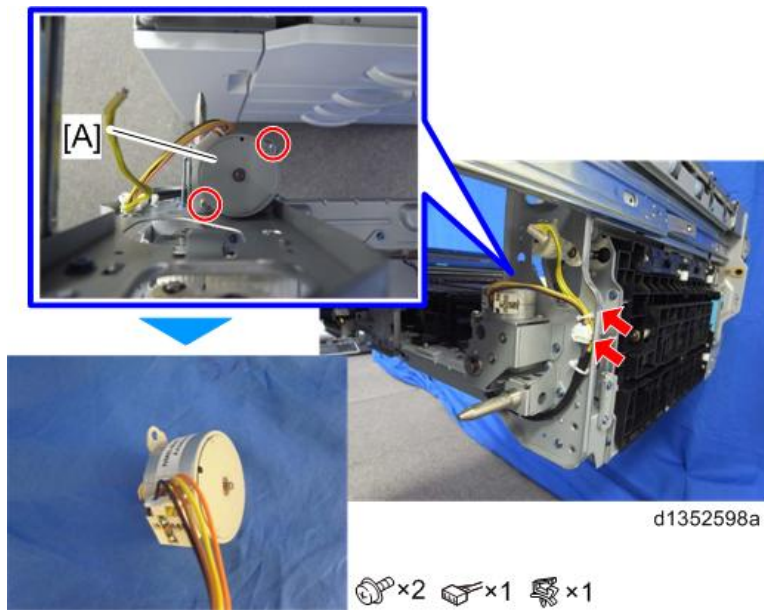
Note

- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

- 2.** Remove the exit inverter motor [A] along with the bracket.

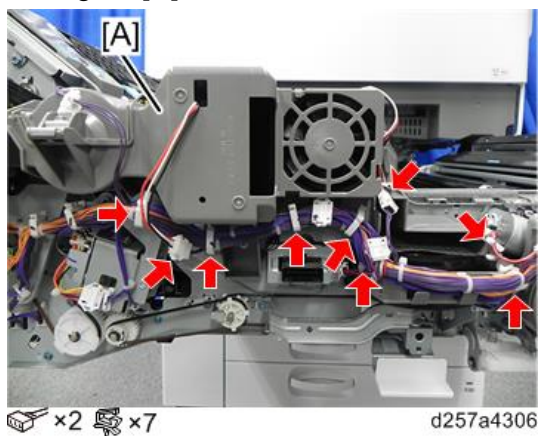


3. Remove the cleaning web contact motor [A].



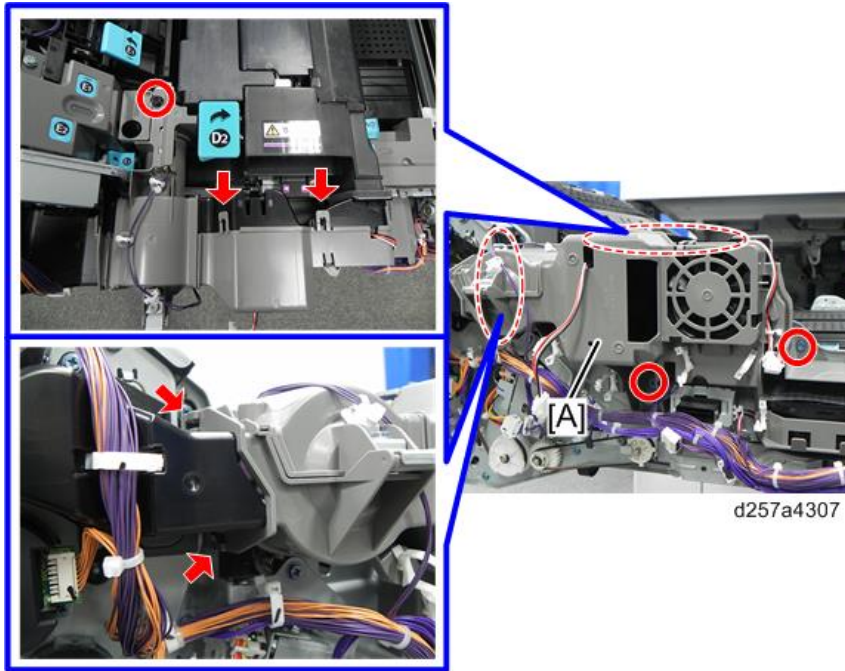
Fusing Heat Pipe Cooling Fan

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Disconnect the connectors, clamps, etc., in order to remove the duct together with the fusing heat pipe cooling fan [A].



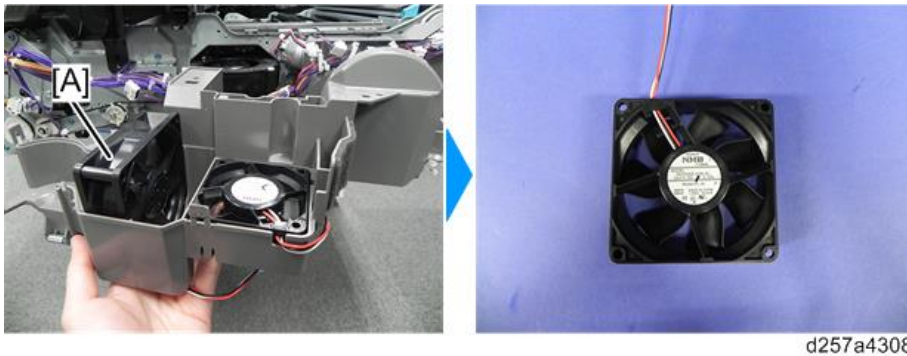
4.Replacement and Adjustment

3. Remove the hooks and remove the fusing heat pipe cooling fan [A] along with the duct.



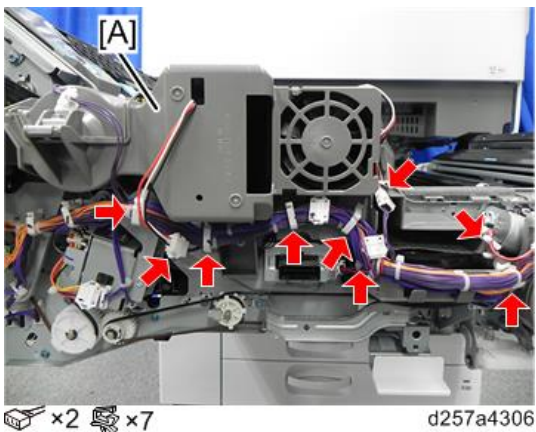
🔧 ×2 🪛 ×1

4. Remove the fusing heat pipe cooling fan [A].



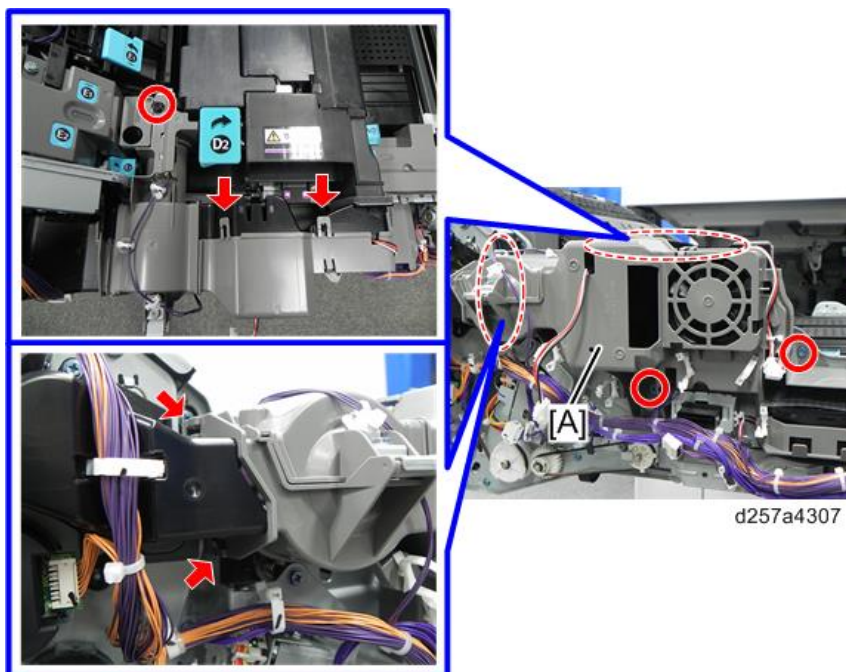
IH Coil Cooling Fan

1. Remove the drawer unit cover. (Drawer Unit Cover)
2. Disconnect the connectors, clamps, etc., in order to remove the duct together with the IH coil cooling fan [A].



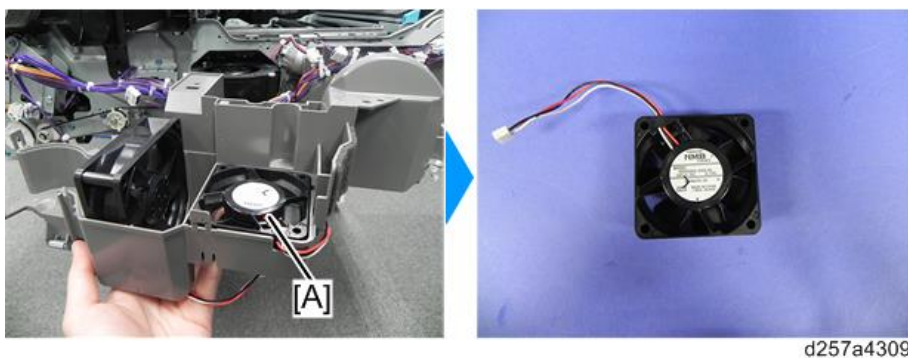
🔧 ×2 🪛 ×7

- 3.** Remove the hooks, and remove the IH coil cooling fan [A] along with the duct.



🔧 ×2 🛠️ ×1

- 4.** Remove the IH coil cooling fan [A].

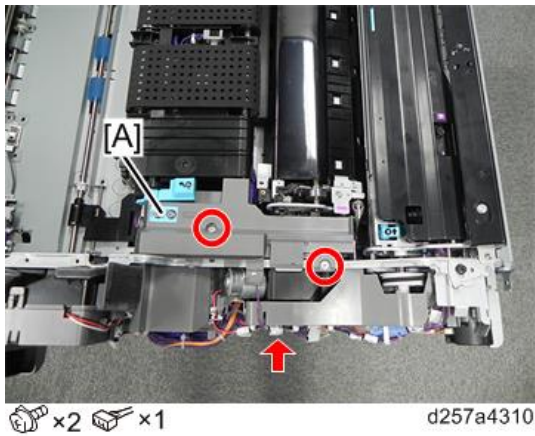


Fusing Pressure Roller Intake Fan (Pro C5200S/C5210S only)

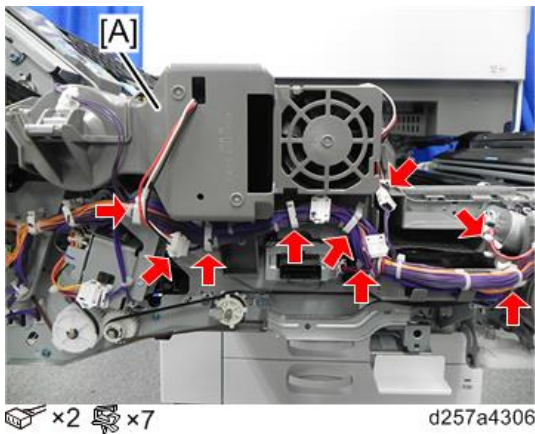
- 1.** Remove the drawer unit cover. ([Drawer Unit Cover](#))
- 2.** Remove the fusing unit. ([Removing the Fusing Unit](#))

4.Replacement and Adjustment

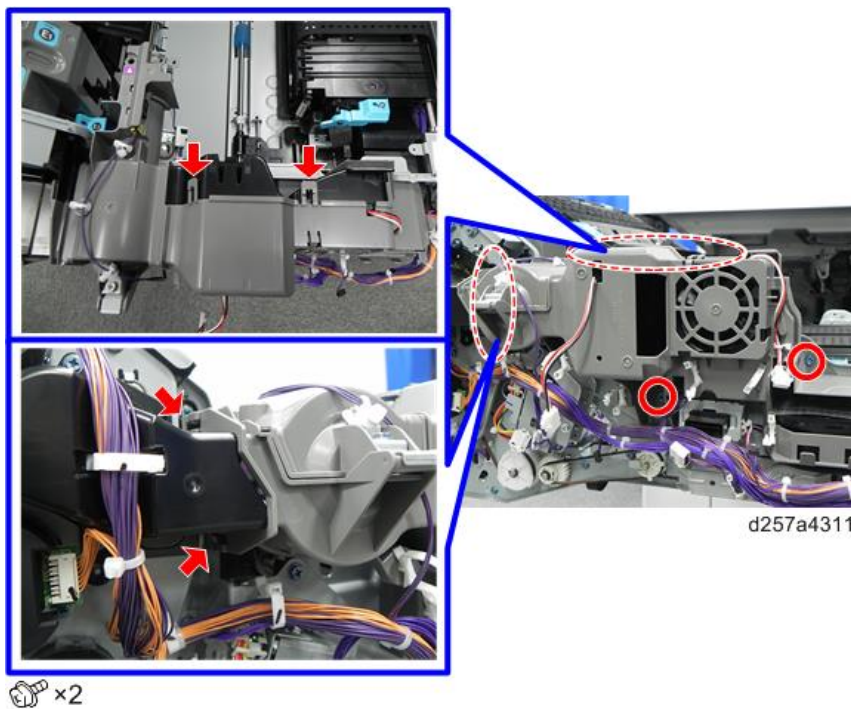
3. Remove the inner cover [A].



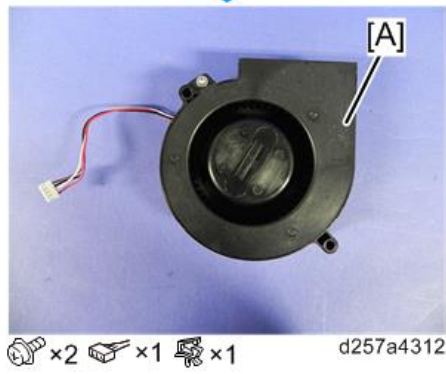
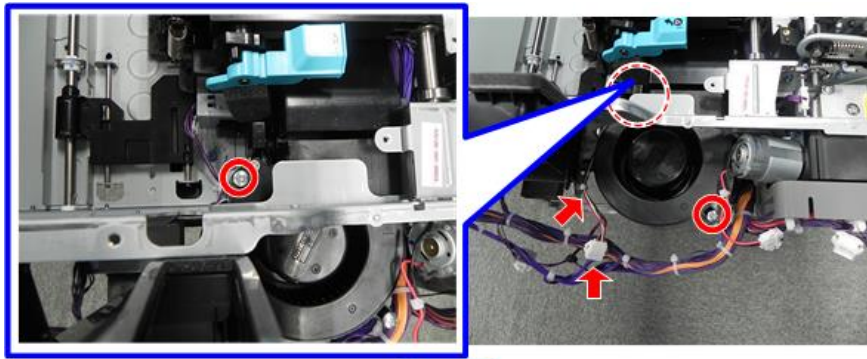
4. Disconnect the connectors, clamps, etc., of the duct [A] for the fusing heat pipe cooling fan and IH coil cooling fan.



5. Remove the hooks, and remove the duct [A] for the fusing heat pipe cooling fan and IH coil cooling fan.



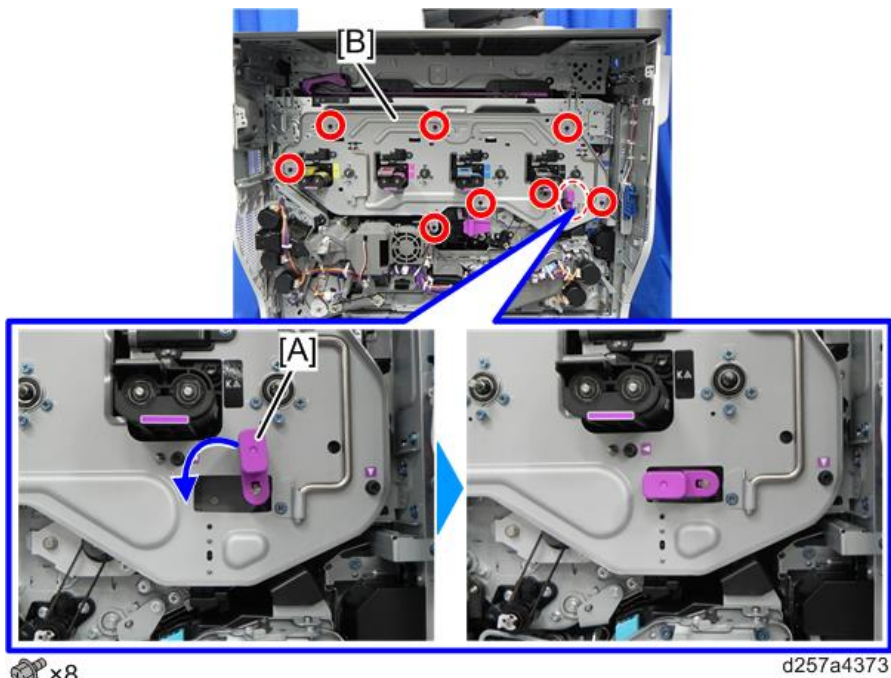
6. Remove the fusing pressure roller intake fan [A].



PCDU

Faceplate

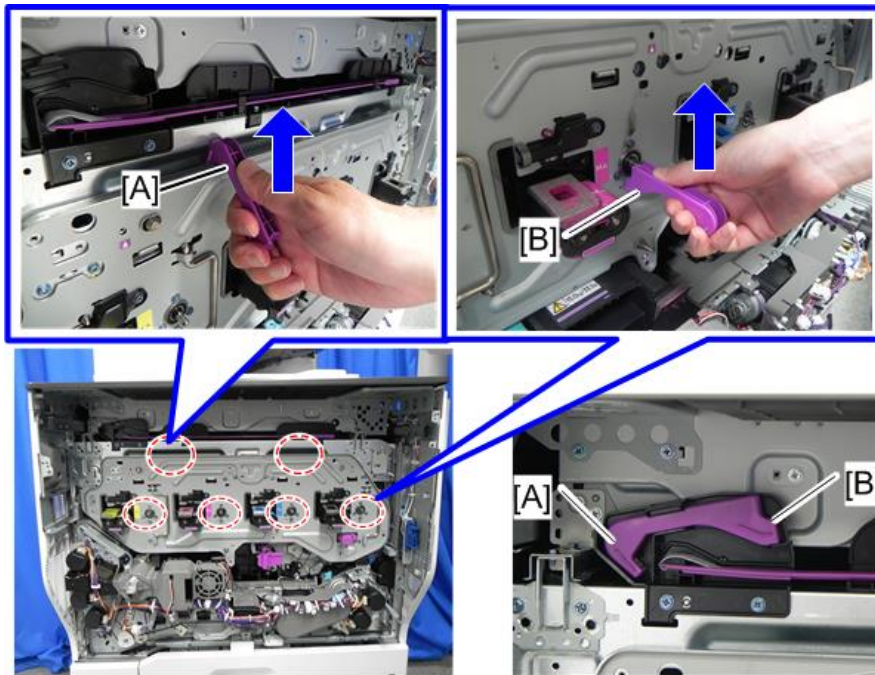
1. Remove the toner supply unit. (Toner Supply Unit)
2. Turn the transfer belt release lever [A] counterclockwise and remove the fixing screws of the faceplate [B].



3. Take off the handles [A].

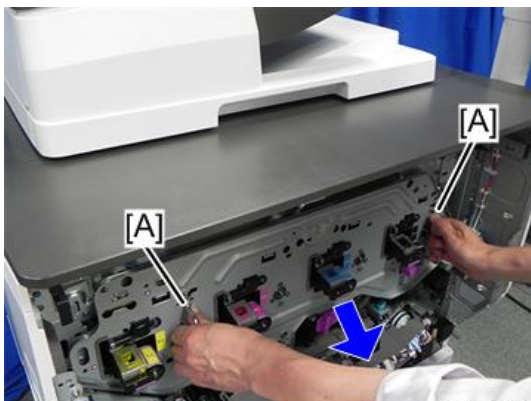


4. Pull out the units using both handles [A] and [B] in the circled areas as shown below. Pull out little by little over the entire surface uniformly throughout.



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5. Remove the faceplate with the grips [A]



d257a4376

Applying Grease to the Top Edge of the Drum Shaft

It is necessary to apply the grease (KS660B) to the top edge of the drum shaft every 300K.

★ Important

- When you do not apply the grease to the shaft, it causes rust, and the faceplate and the PCDU may become stuck and not possible to pull out.
- The PCDU must be installed when you do cleaning or apply the grease, because the drum shaft is weak and unstable without the PCDU in the machine.

1. Remove the faceplate. ([Faceplate](#))

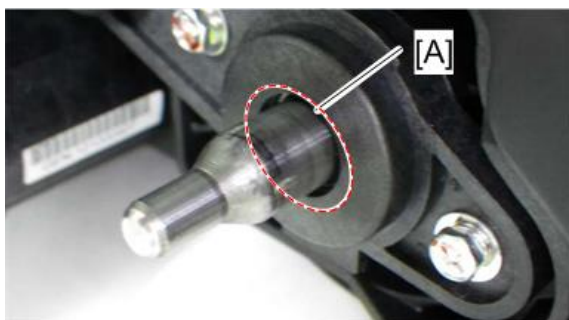
4.Replacement and Adjustment

2. Wipe the top edge of the drum shaft [A] with a damp cloth.



d1352951

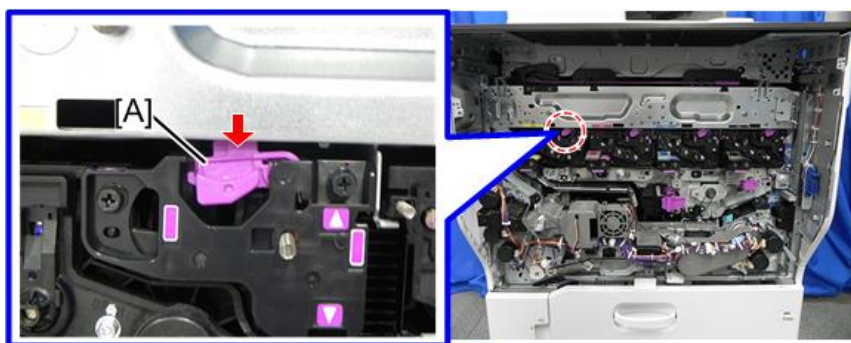
3. Apply the grease (KS660B) to the contact part of the faceplate bearings [A] as shown below.



d1352952

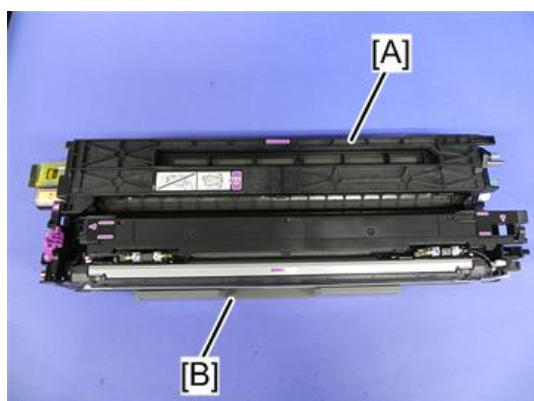
PCDU

1. Remove the faceplate. (Faceplate)
2. Unlock the lever [A] and pull out the PCDU [B] from the machine.



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3. Place the PCDU [A] on the cradle [B] that was laid down on paper in advance.



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Note

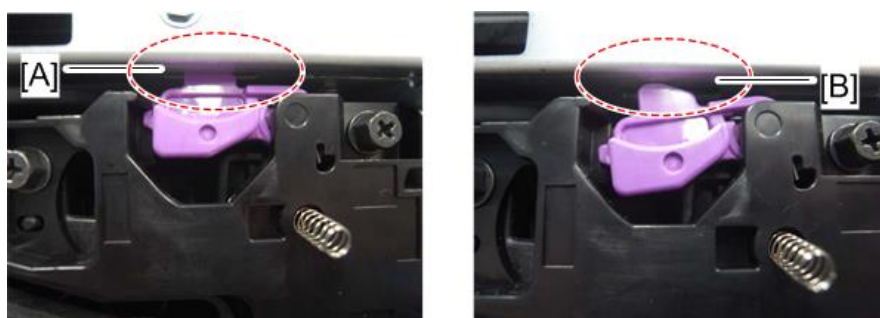
Use the dedicated cradles for Pro C5200S/C5210S and MP C6503/C8003.

Notes on Attaching the PCDU

- When installing the PCDU, ensure that the lock lever is fit into the hole in the machine frame.

[A]: The lock lever is properly fit into the hole in the machine frame.

[B]: The lock lever is not properly fit into the hole in the machine frame.



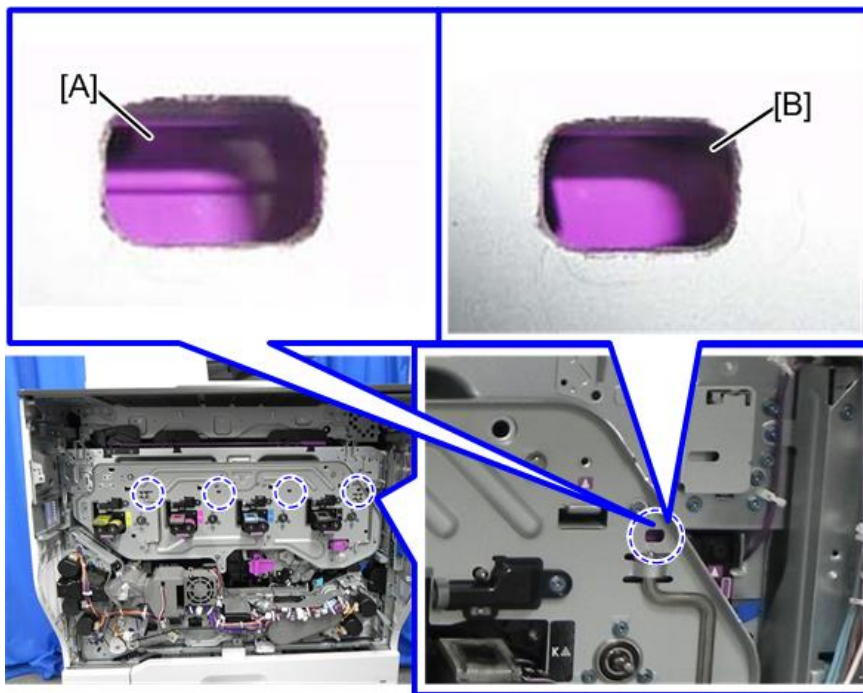
d1352628a

- After installing the faceplate, check the status of the lock levers (four) again by looking through the holes as shown below. The levers should be straight, as shown above [A], and not at an angle [B]. However, some force is required to attach the faceplate, and this could knock the levers out of their horizontal alignment.

[A]: The lock lever is properly fit into the hole in the machine frame.

[B]: The lock lever is not properly fit into the hole in the machine frame.

4.Replacement and Adjustment



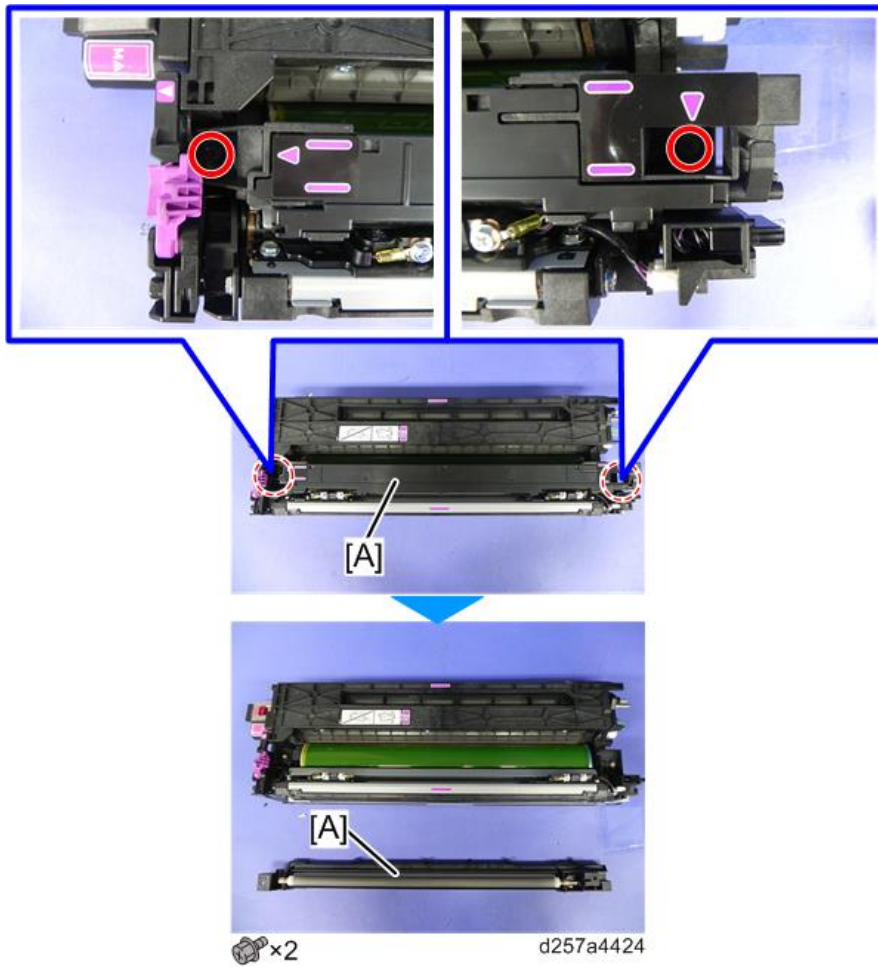
d257a4379

- After installing the faceplate, check the status of the lock levers by pushing the PCDU.
- If you cannot push the PCDU all the way in or fit the lock lever properly, remove the PCDU from the machine and do the following procedure.
 1. Remove the charge roller unit.
 2. Use the drum holders for the OPC drum, turn the drum counterclockwise for about 0.5 teeth of the gear and push it again.
- Pro C5200S/C5210S: After you take the PCDU out of the machine and put it back, or replace it with a new one, carry out SP3-040-001 (DEMS: Execute).

Charge Roller Unit

- 1.** Remove the PCDU. (PCDU)

2. Remove the charge roller unit [A].



Note

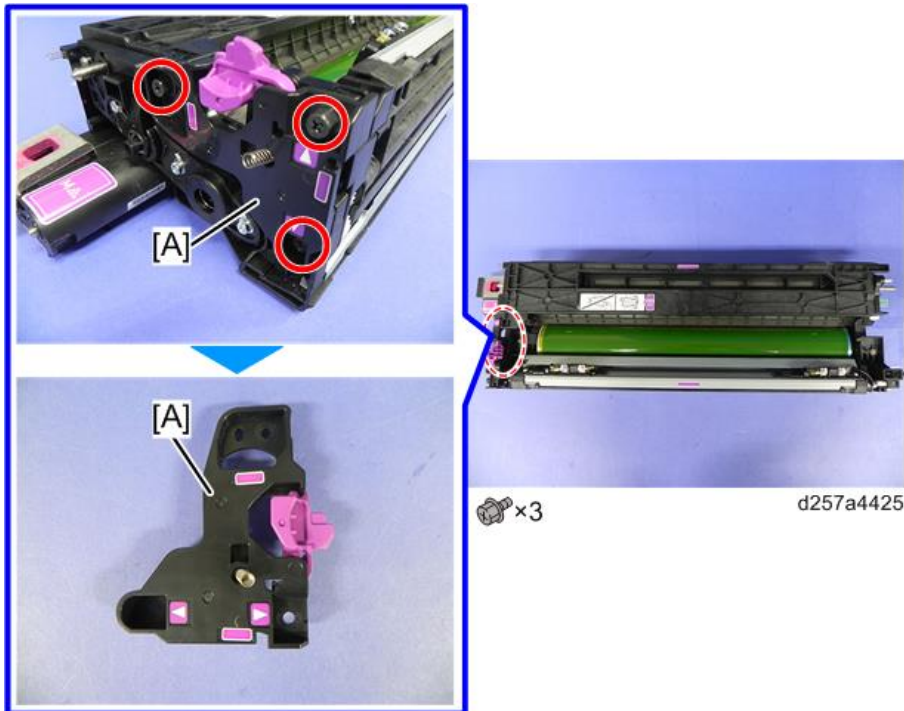
- After removing the charge roller unit, place it on a clean, flat surface with the roller facing up.

Drum Cleaning Unit Removal

1. Remove the PCDU. (PCDU)

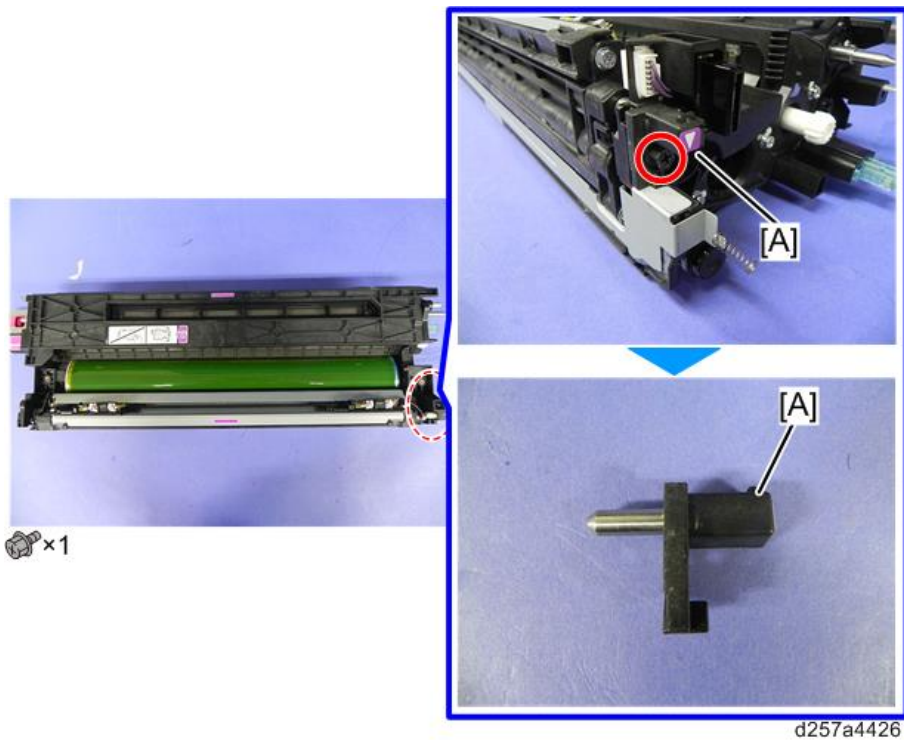
4.Replacement and Adjustment

2. Remove the front faceplate [A].*



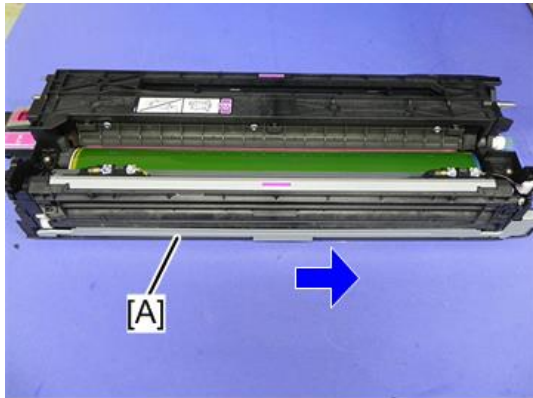
* Pro C5200S/C5210S use TCRU/ORU screws

3. Remove the stopper [A] at the rear.*



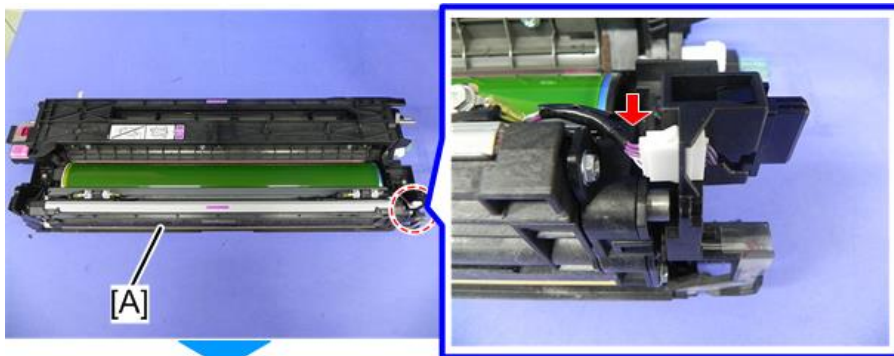
* Pro C5200S/C5210S use a TCRU/ORU screw

4. Slide the bracket [A] to the rear.



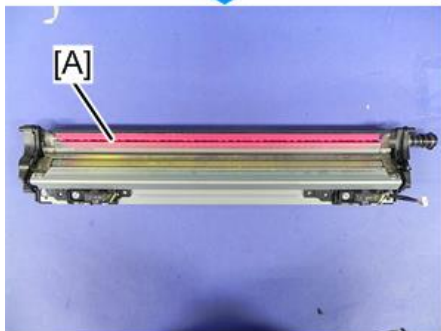
d257a4427

5. Remove the drum cleaning unit [A].



×1

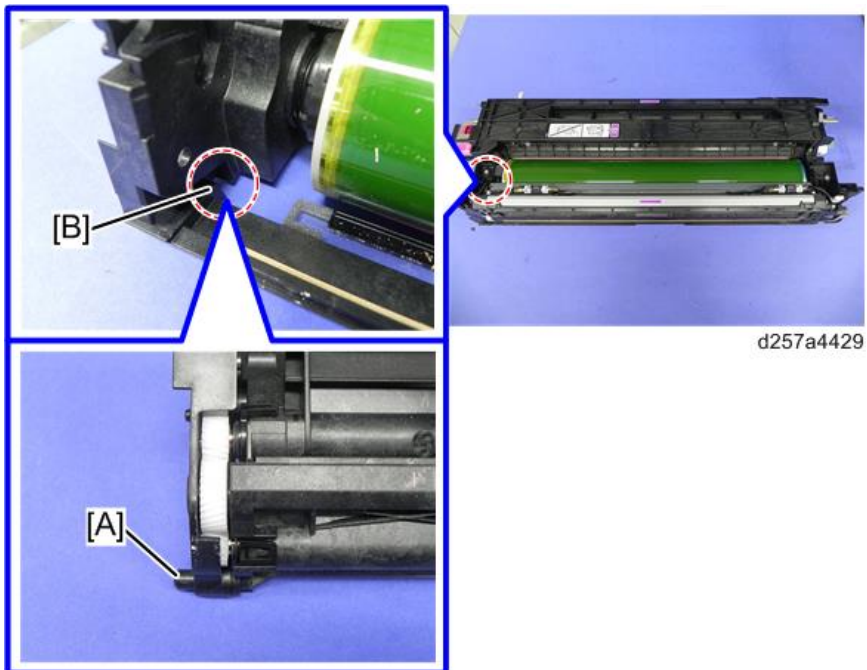
d257a4428



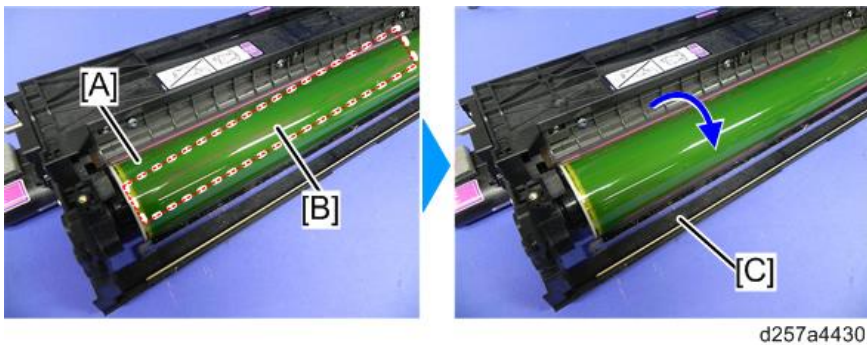
4.Replacement and Adjustment

Note

- When installing the drum cleaning unit, ensure that the front side [A] is fit into the grooves [B] of the development unit.

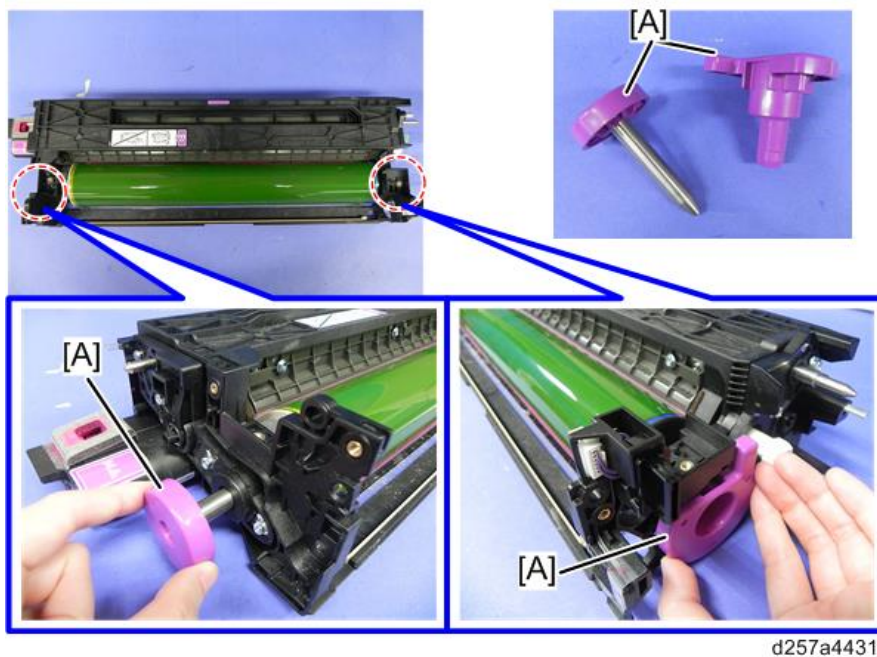


- After removing the drum cleaning unit, lubricant and toner streaks [B] remain on the surface of the OPC drum [A]. This will cause stains on the charge roller. Therefore, rotate the OPC drum in the direction of the arrow [C] before you install the new drum cleaning unit.

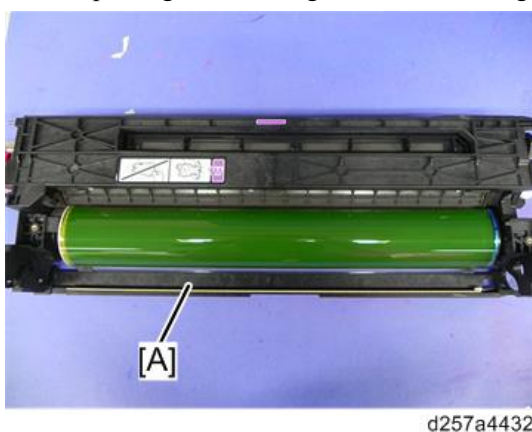


4.Replacement and Adjustment

- Attach the drum holders [A] to the OPC drum (these are shipped with the cleaning unit) so that the drum rotates precisely on its axis. Make sure the drum holders [A] are inserted all the way in.



- After replacing or removing the drum cleaning unit, clean the toner receptacle [A].



Notes on Replacing the Drum Cleaning Unit and Drum Cleaning Blade

Do not replace the drum cleaning unit or the drum cleaning blade at the same time as the following parts.

- ITB
- ITB Cleaning Unit
- ITB Cleaning Blade (ITB Cleaning Unit Component)
- ITB Lubricant Bar (ITB Cleaning Unit Component)
- ITB Lubricant Blade (ITB Cleaning Unit Component)

After replacing the drum cleaning unit or the drum cleaning blade, cleaning initial setting is performed automatically. On the other hand, after replacing the above five parts, you need to run SP2-696-001 (Force Apply Lubricant Execute) manually before cleaning initial setting runs. ([Lubrication after replacement](#)). This is because, if cleaning initial setting runs automatically before running SP2-696-001 (Force Apply Lubricant Execute) manually, the ITB cleaning blade will be turned up.

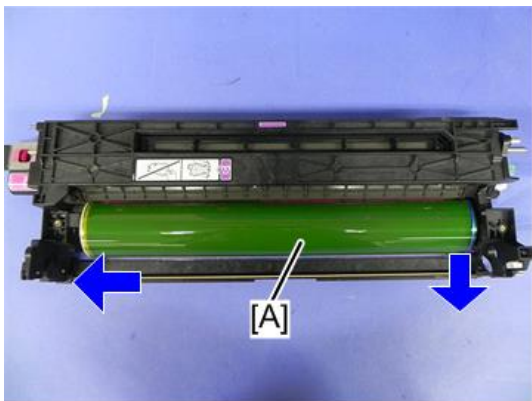
4.Replacement and Adjustment

If you need to replace the above five parts at the same time as replacing the drum cleaning unit or the drum cleaning blade, use the following procedure.

- 1.** In the PM counter screen, set "New Part Set" to ON for the drum cleaning unit or the drum cleaning blade.
- 2.** Replace the drum cleaning unit or the drum cleaning blade. (The cleaning initial setting automatically runs)
- 3.** In the PM counter screen, set "New Part Set" to ON for the above five parts.
- 4.** Replace the above five parts.
- 5.** Enter the SP mode and run SP2-696-001 (Force Apply Lubricant Execute) manually.

OPC Drum

- 1.** Remove the charge roller unit. ([Charge Roller Unit](#))
- 2.** Remove the drum cleaning unit. ([Drum Cleaning Unit Removal](#))
- 3.** To remove the drum [A], move it to the front side (to the left as shown above), then pull it out from the rear side (the right side as shown above).



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Note

- After removing the OPC drum, place it on a clean, flat surface.

Attaching the New OPC Drum

- 1.** When replacing, apply the lubricant powder (D0159501) (zinc stearate) to the OPC drum evenly with a brush.



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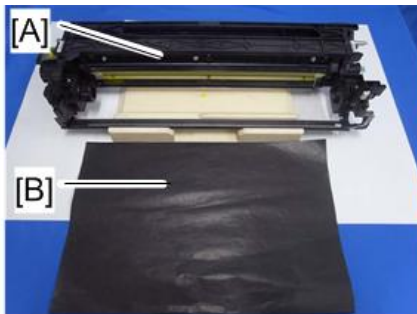
Note

- Use the blower brush (D0747690) when applying lubricant powder (zinc stearate) to the OPC drum.



d135a3512

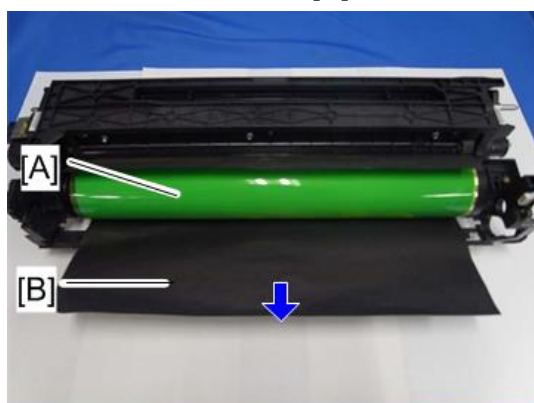
2. Remove the protective sheet (black) [B] from around the new OPC drum and lay it on the development unit [A].



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3. Attach the new OPC drum [A] and remove the protective sheet (black) [B] from the bottom.



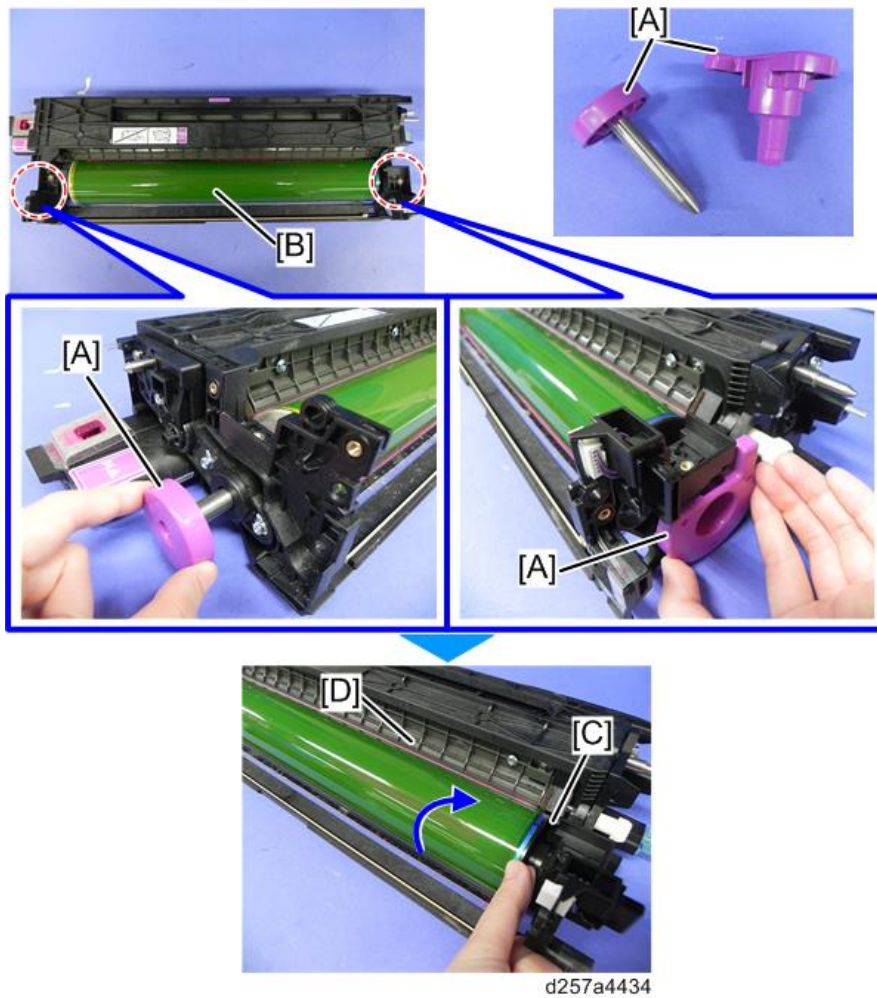
d1352754a

Note

- The surface of a newly replaced drum needs to be lubricated. In the lubrication process where the drum is manually rotated, the two drum holders [A] fix the shaft so that the drum rotates precisely on its axis.
- Attach the drum holders [A] to the front and rear sides of the drum [B].

4.Replacement and Adjustment

- Make sure the drum holders are inserted all the way in. Hold the flange [C] and rotate the drum in the direction of the development unit [D].
- The two drum holders [A] are accessory parts of the machine.

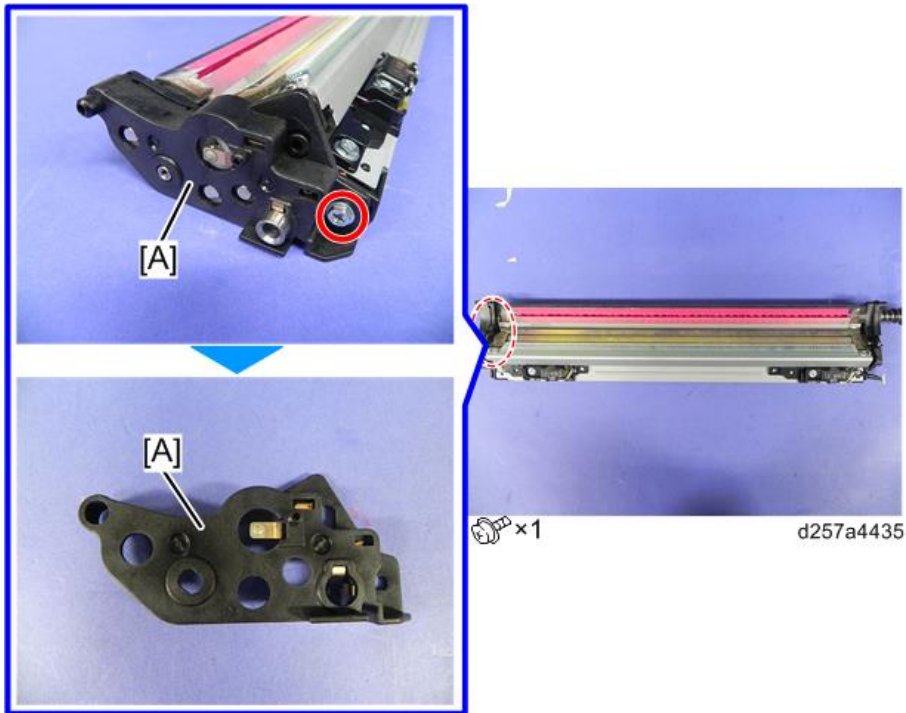


Drum Cleaning Unit Internal Components

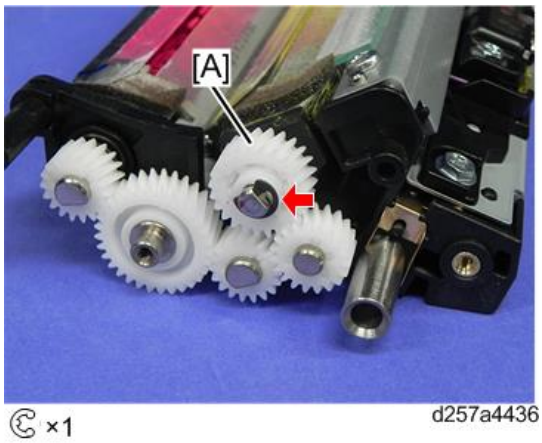
Separation of the Lubrication Unit and Cleaning Unit

- 1.** Remove the drum cleaning unit. ([Drum Cleaning Unit Removal](#))

2. Remove the front cover [A] of the cleaning unit.

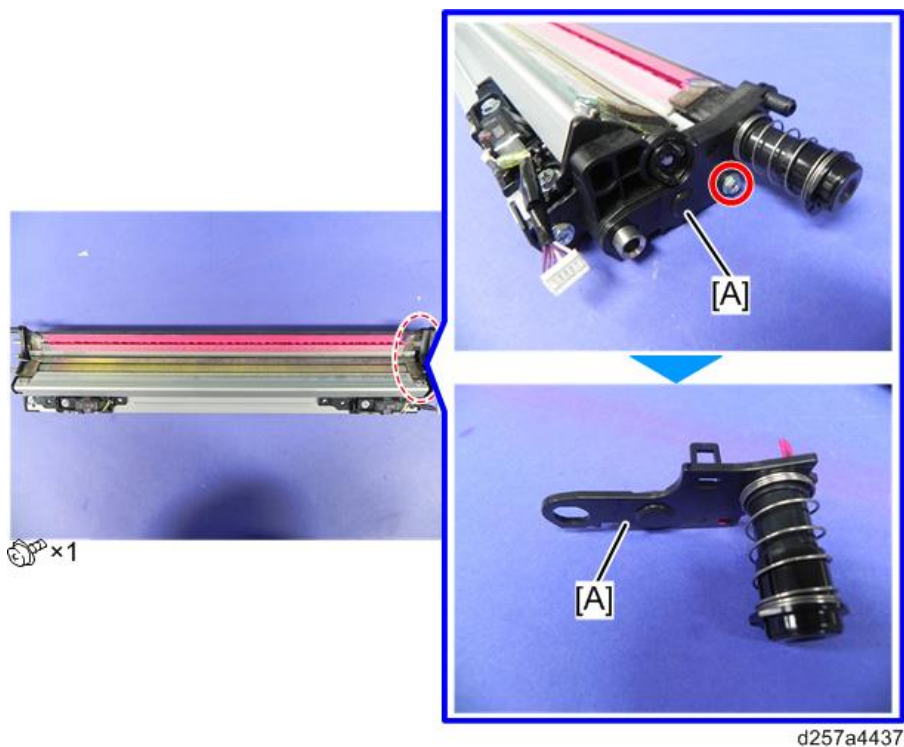


3. Remove the following five gears. Remove the E ring for the gear [A].

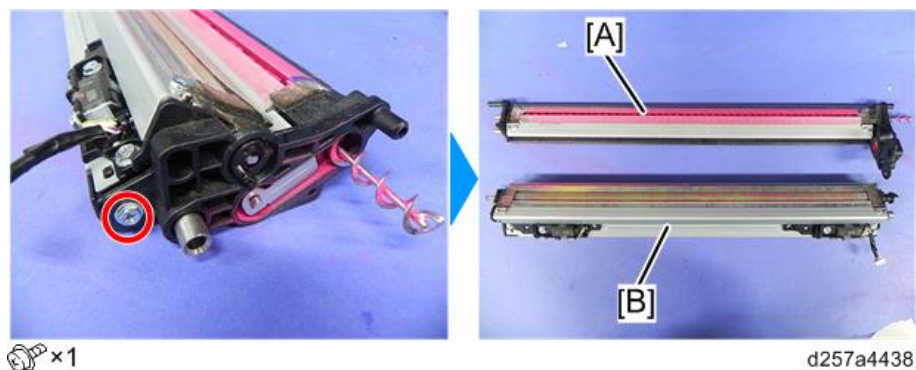


4.Replacement and Adjustment

4. Remove the rear cover [A] of the cleaning unit.

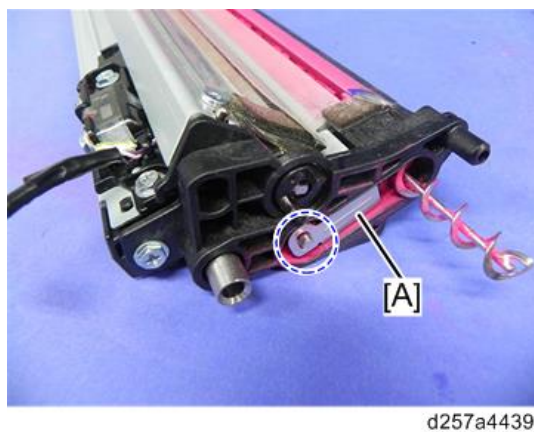


5. Remove the fixing screw on the rear side and separate the cleaning unit [A] from the lubrication unit [B].



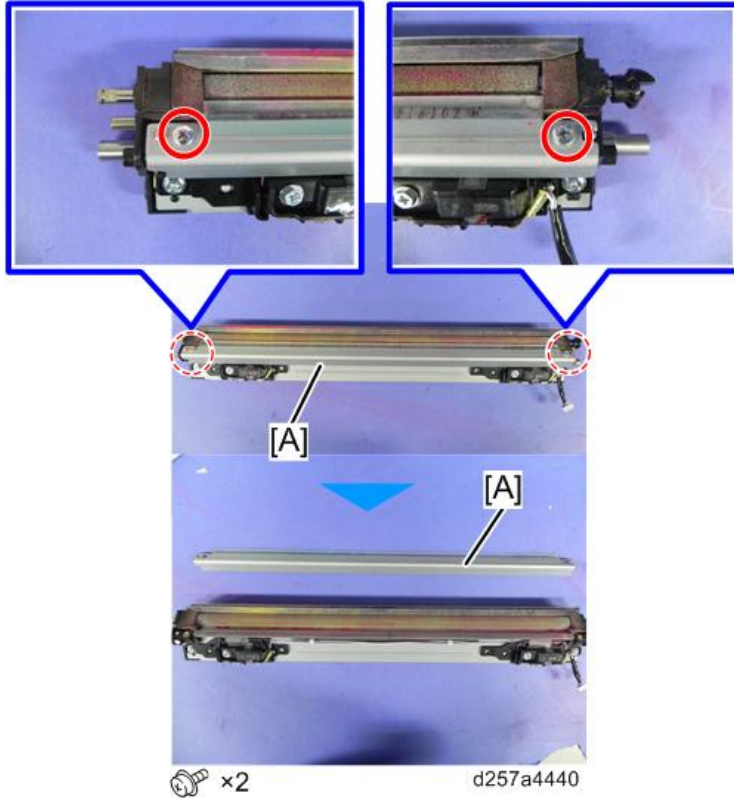
Note

- When installing the cleaning unit and the lubrication unit, ensure that the shaft of the cleaning unit is fit into the hole in the vibration plate [A].

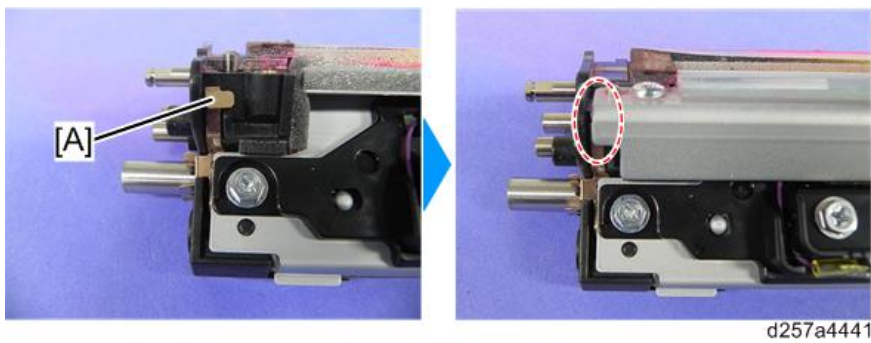


Lubrication Unit

1. Separate the drum cleaning unit into the lubrication unit and cleaning unit. ([Separation of the Lubrication Unit and Cleaning Unit](#))
2. Remove the lubricant blade [A].

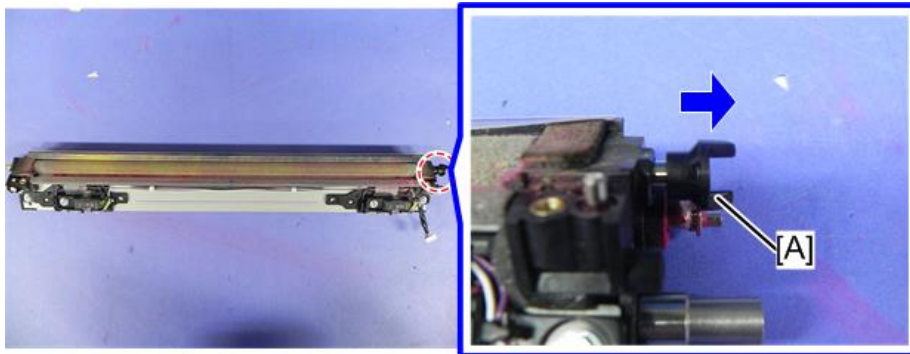
**Note**

- When assembling, position the lubricant blade on the grounding plate [A] of the lubrication unit.



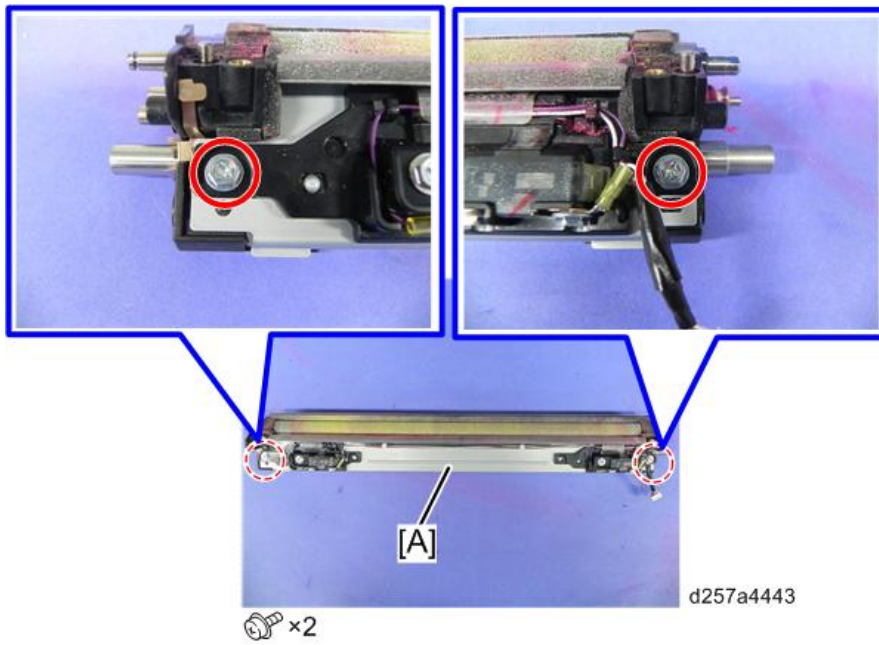
4.Replacement and Adjustment

- 3.** Remove the joint [A] at the rear side.



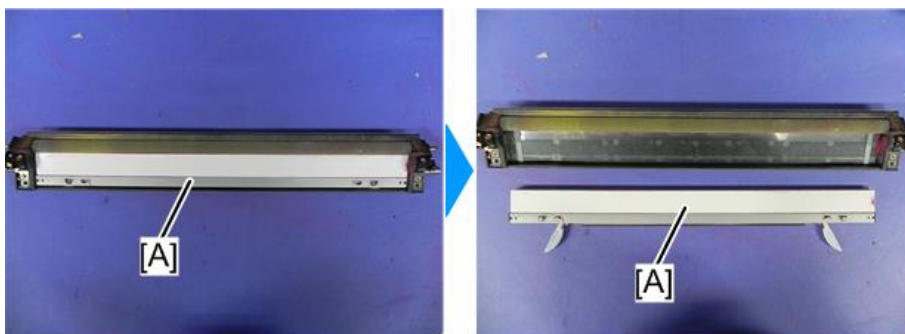
d257a4442

- 4.** Remove the cover [A].



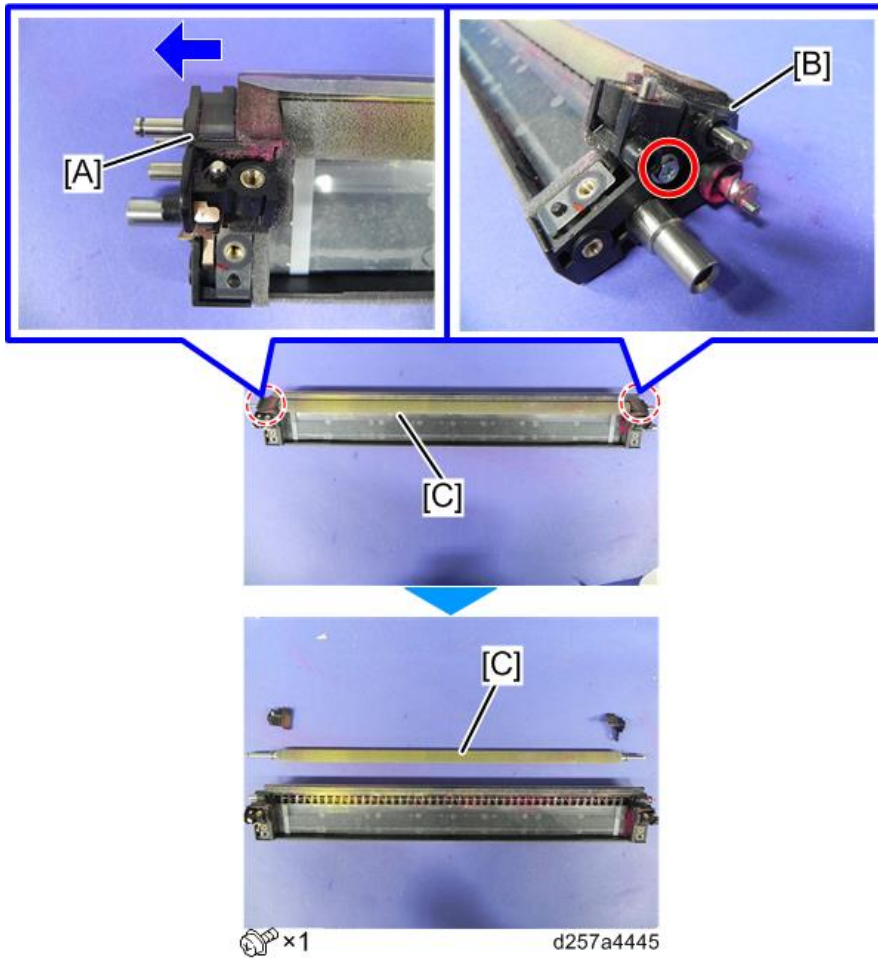
d257a4443

- 5.** Remove the lubricant bar [A].



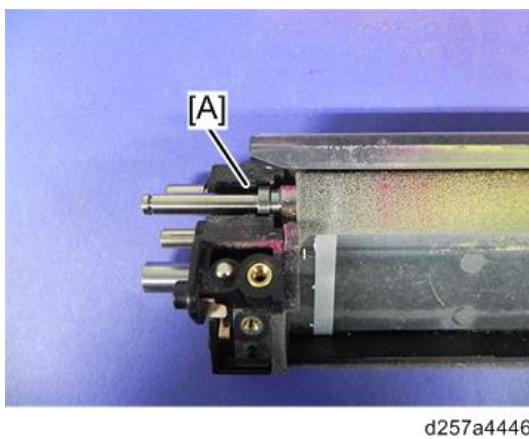
d257a4444

6. Remove the bearing with the side seal (front) [A], bearing with the side seal (rear) [B] and lubrication roller [C].



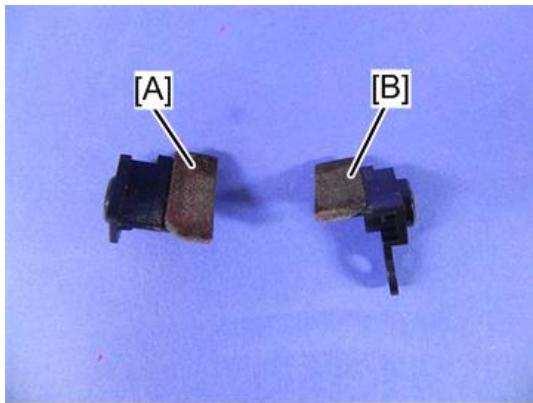
Note

- When installing a new lubricant bar, a new lubrication roller must be installed.
- When installing the lubrication roller, ensure that the roller is fit into the groove [A] in the lubrication unit.



4.Replacement and Adjustment

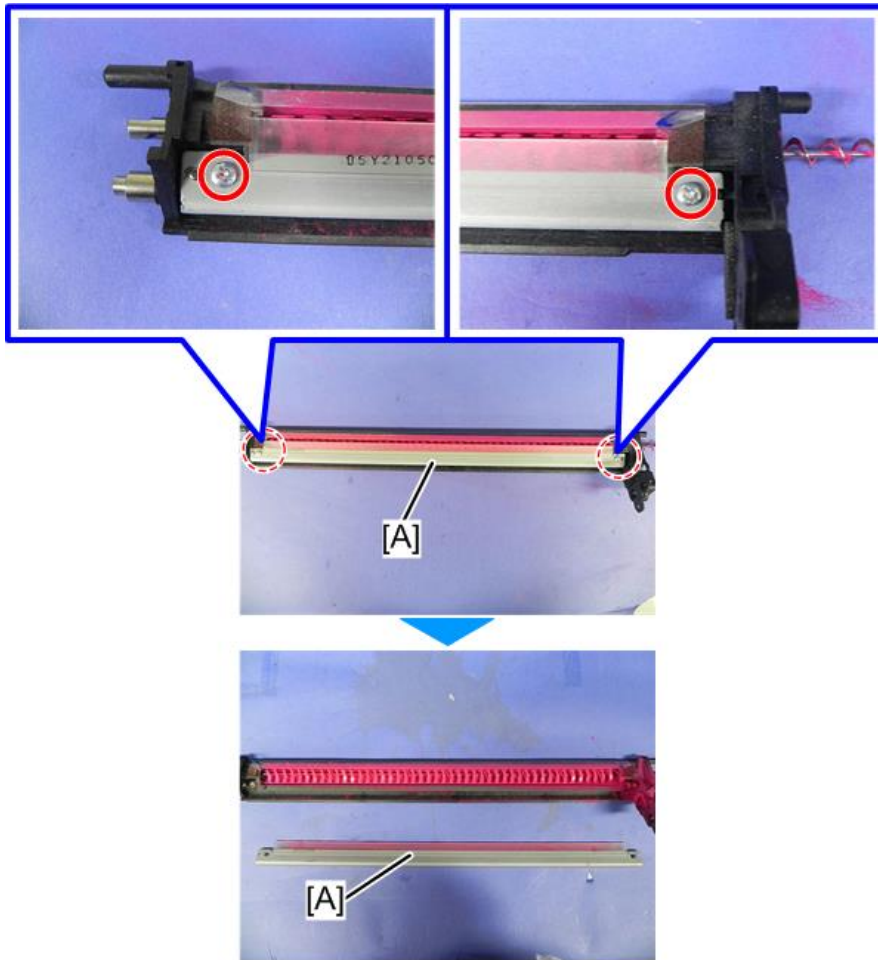
7. Remove the side seal (front) [A] and the side seal (rear) [B] from the bearings.



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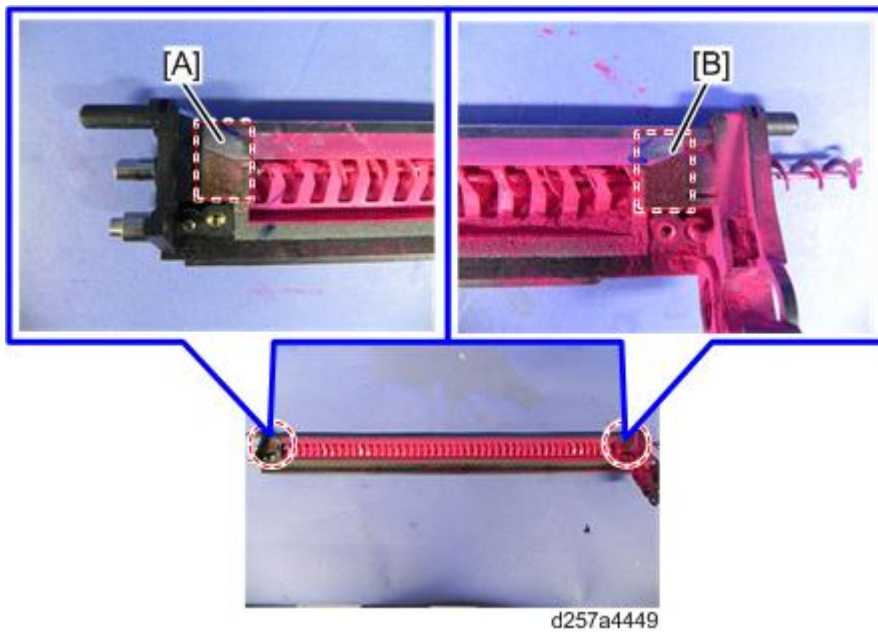
Cleaning Unit

1. Separate the lubrication unit and cleaning unit. (Separation of the Lubrication Unit and Cleaning Unit)
2. Remove the drum cleaning blade [A].



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- 3.** Remove the side seal (front) [A] and the side seal (rear) [B] from the cleaning unit.



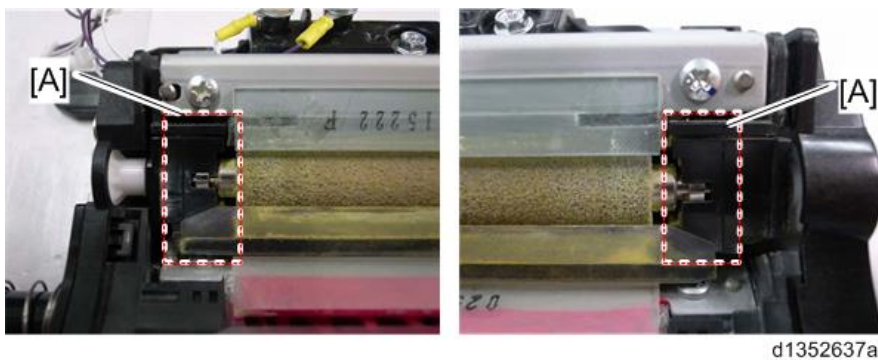
Assembling the Cleaning Unit and Lubrication Unit with New Seals

↓ Note

- Replace the cleaning blade, lubrication blade and side seals as a set.

- 1.** Assemble the cleaning unit and the lubrication unit. ([Drum Cleaning Unit Internal Components](#))
- 2.** Clean the area [A] of the cleaning unit and the lubrication unit where the side seals were attached with alcohol and a cloth.

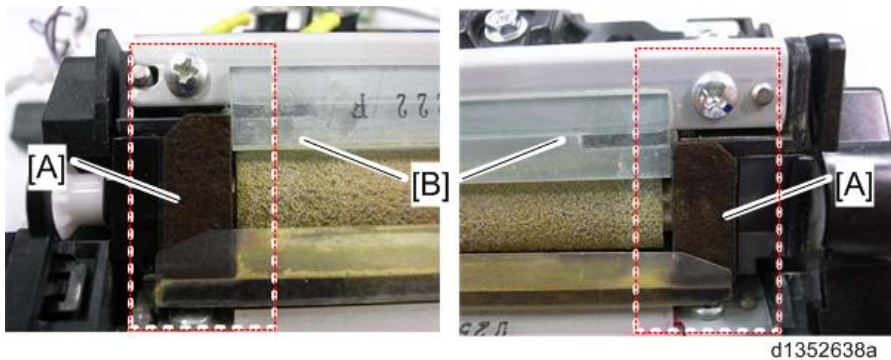
e.g.: cleaning unit



- 3.** Attach new side seals [A] to both sides of the cleaning unit and the lubrication unit. Align the edges of the side seal with the edges of the unit and attach them. Ensure there is no gap between the side seals and the blade [B].

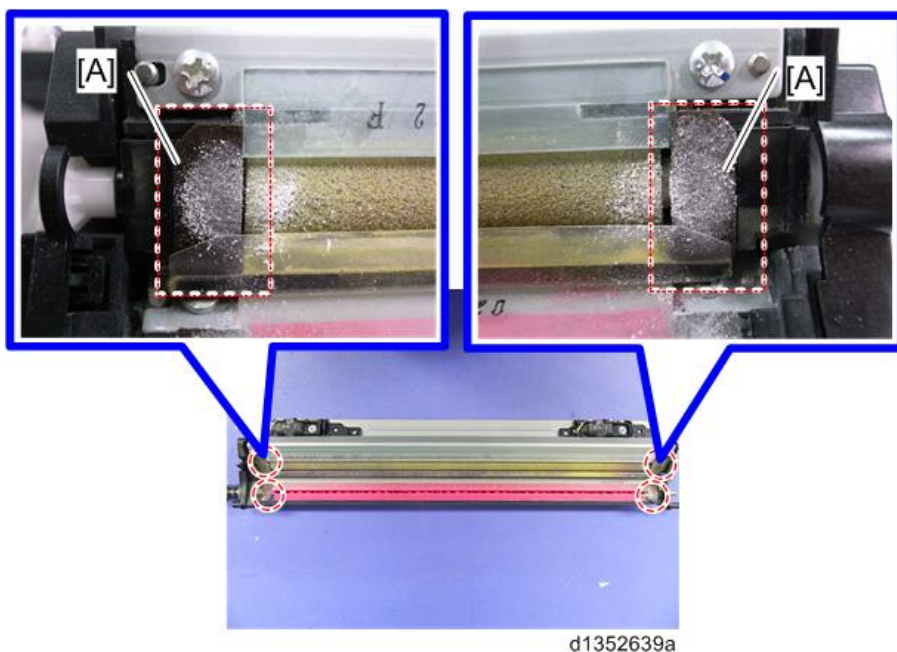
e.g.: cleaning unit

4.Replacement and Adjustment

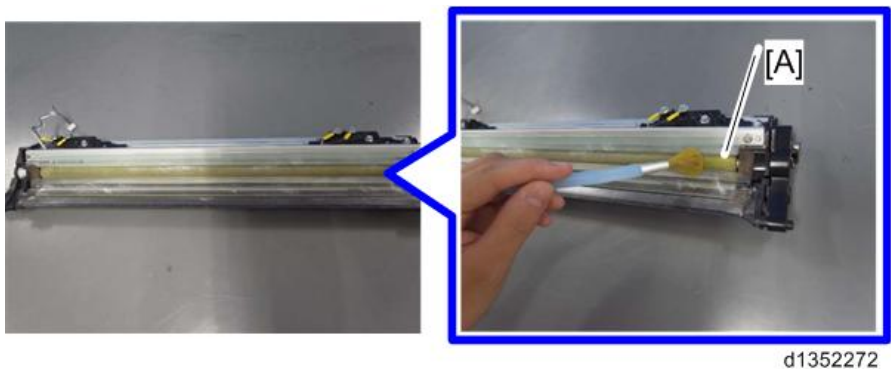


- 4. After attaching the side seals (x 2 each) on the cleaning unit and the lubrication unit, apply the lubricant powder (D0159501) (zinc stearate) with a brush on the side seals [A].

e.g. (enlarged): cleaning unit



- 5. Apply the lubricant powder (D0159501) (zinc stearate) and yellow toner (D0159500) at the lubrication roller [A].



Note

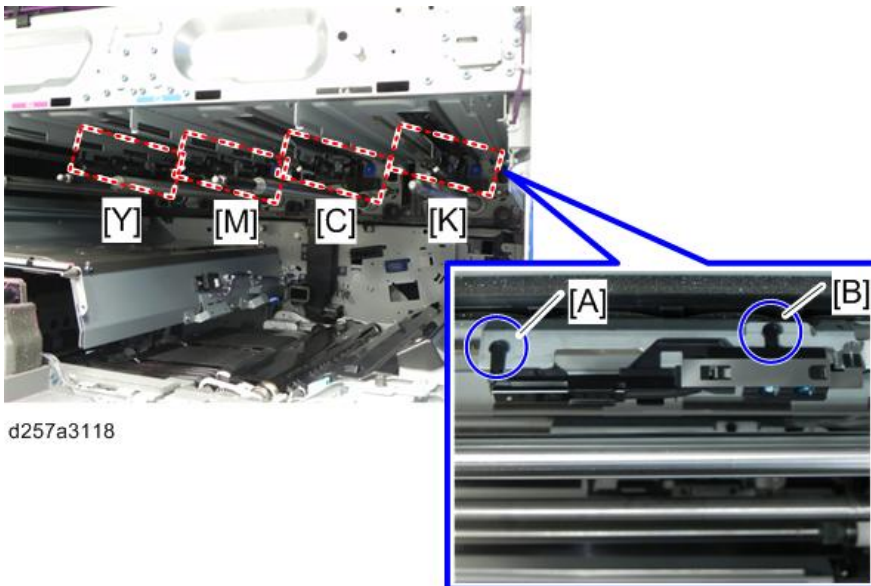
- Use the blower brush (D0747690) when applying lubricant powder (zinc stearate) and yellow toner in steps 4 and 5.



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Potential Sensor (KCMY)

The layout of the potential sensors (KCMY).



d257a3118

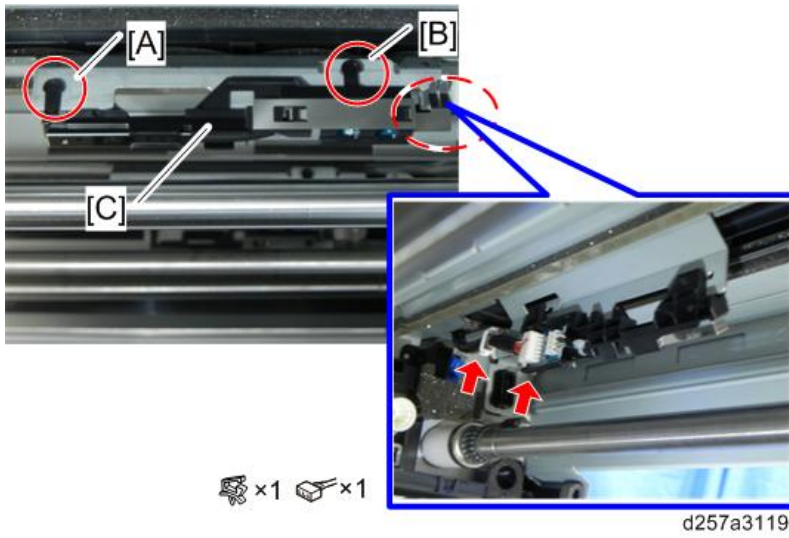
Note

The potential sensor consists of the main part (front side of the machine) and sub part (rear side of the machine).

- 1.** Remove the PCDU. ([PCDU](#))
- 2.** Remove the ITB unit. ([ITB Unit Removal](#))

4.Replacement and Adjustment

3. Remove the hook of the sub part [B] first, and then remove the hook of the main part [A]. Then remove the potential sensor [C].



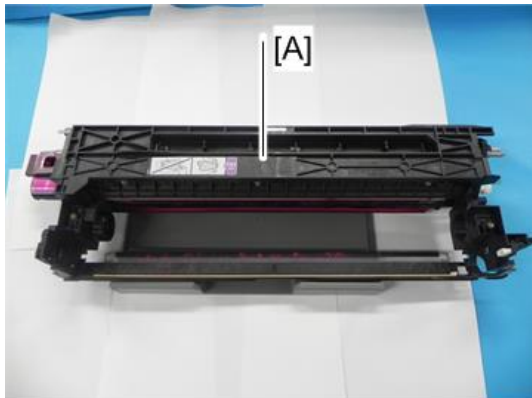
Note

When attaching the potential sensor, hook the main part first, and then hook the sub part.

Development Unit

Development Unit

1. Remove the PCDU. ([PCDU](#))
2. Remove the charge roller unit. ([Charge Roller Unit](#))
3. Remove the drum cleaning unit. ([Drum Cleaning Unit Removal](#))
4. Remove the OPC drum. ([OPC Drum](#))
5. Only the development unit [A] remains.



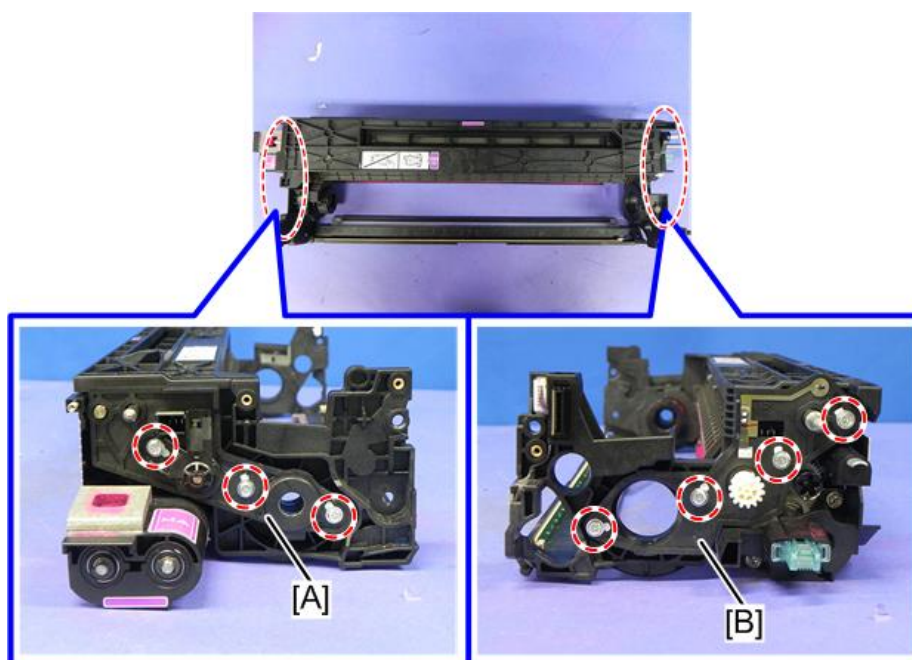
d257a8013

Note

- Pro C5200S/C5210S: After you take this part out of the machine and put it back, or replace it with a new one, carry out SP3-040-001 to SP3-040-005 (DEMS: Execute).

Important

- Since the development unit and face plates (front [A], rear [B]) are integrated, do not remove the following screws.

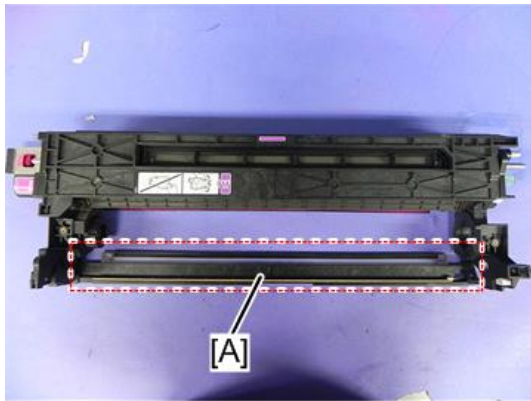


d257a4450

- When carrying the development unit, do not hold the frame [A]. The frame may become bent or

4.Replacement and Adjustment

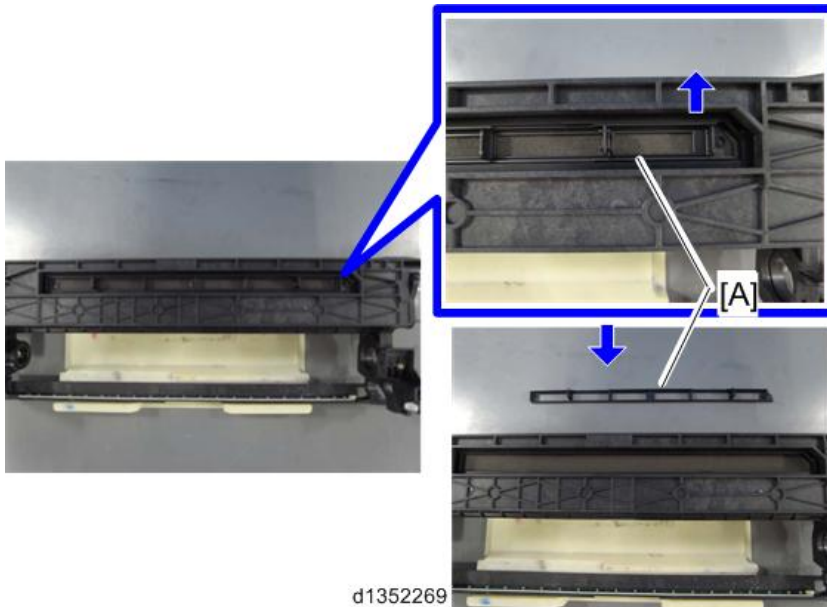
broken if load is applied to it.



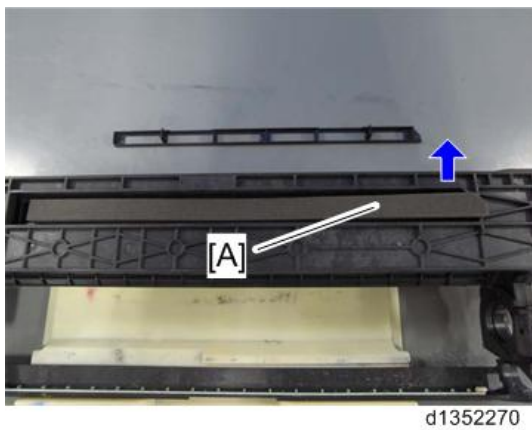
d257a4451

Development Filter

1. Remove the filter cover [A].



2. Remove the development filter [A].



Removing Old Developer

General

Replacing the developer without completely removing old developer causes the machine to operate in a condition in which the applied toner density value is lower than the actual value. This happens because the toner density sensor (TD sensor) initialization process (SP3-030-001 to 006), which is performed when replacing the developer, always sets back the toner density readings to the prescribed standard value 7.0% regardless of the actual toner density, e.g. actual toner density could be 8% after replacing with fresh developer but the TD sensor is calibrated to read this as 7%.

Continuous machine operation in this condition and incomplete developer replacement will eventually cause the actual toner density to become too high and result in toner scattering.

This procedure explains how to remove old developer to prevent toner scattering, in two parts.

Following are the expected effects:

- Easier developer removal as a result of improved developer fluidity
- Toner density will come close to the standard 7% after developer replacement even if the dev unit is not completely cleared and contains a slight amount of old developer.

PART 1: Preparations for Developer Removal

1. Before removing the developer, enter the SP mode and check the current toner density.

Table 1 Toner density check SP

SP No.	Color
SP 3-200-001	K
SP 3-200-002	C
SP 3-200-003	M
SP 3-200-004	Y

If the toner density is $7\% \pm 0.5$, skip the following steps and go to PART 2.

If the toner density is not $7\% \pm 0.5$ (7.5% or higher), continue this procedure.

2. Refer to the table below and determine the print volume according to the toner density that was found in the previous step. The actual printing will be done in step 5.

Table 2 Print volume based toner density and paper size

Toner Density	A4/LT	A3/DLT
12%	110	55
11%	90	45
10%	70	35
9%	45	23
8%	20	10
7.5%	10	5

4.Replacement and Adjustment

Toner Density	A4/LT	A3/DLT
7%	0	0

- Refer to the tables below and change the SP values for toner supply mode and supply rate to “0” for the development unit(s) requiring developer replacement.

Table 3-1 Toner Supply Mode

SP No.	Color	Default	Change to
SP 3-400-001	K	4	0
SP 3-400-002	C	4	0
SP 3-400-003	M	4	0
SP 3-400-004	Y	4	0

Note

- The default value “4” supplies toner in DANC (Divided Image Active Noise Control) mode.
- The changed value “0” supplies toner in constant supply mode.

Table 3-2 Toner Supply Rate

SP No.	Color	Default	Change to
SP 3-440-001	K	5	0
SP 3-440-002	C	5	0
SP 3-440-003	M	5	0
SP 3-440-004	Y	5	0

- Select test pattern “26” from SP2-109-003 and specify the color in SP2-109-005.

Table 4 Test Pattern Settings

SP No.	Settings	
SP 2-109-003	26	Solid
SP 2-109-005	Specify color	

- Print the test pattern on A4/LT or A3/DLT for the print volume determined in step 2.
- Check the latest toner density in SP3-200-001 to 004. (Table 1)
- Repeat steps 1 to 5 until you achieve the standard toner density $7\% \pm 0.5$.
- Set the SP settings for toner supply mode and supply rate (changed in step 3) back to the default values; “4” for toner supply mode and “5%” for supply rate.

Important

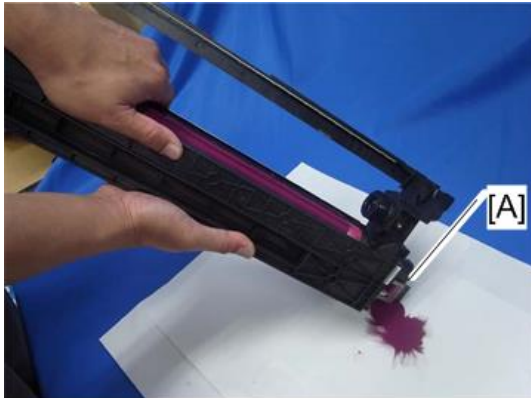
- Make sure to set the toner supply mode and supply rate back to the defaults. Otherwise, image density will appear light.

- Continue with the procedure in “Part 2”.

PART 2: Developer Removal Procedure

- Take out the PCPU and remove the OPC drum so that only the development unit remains. ([Development Unit](#))

2. Take out the old developer from the supply port [A], and put it into the plastic bag that came with the new developer.

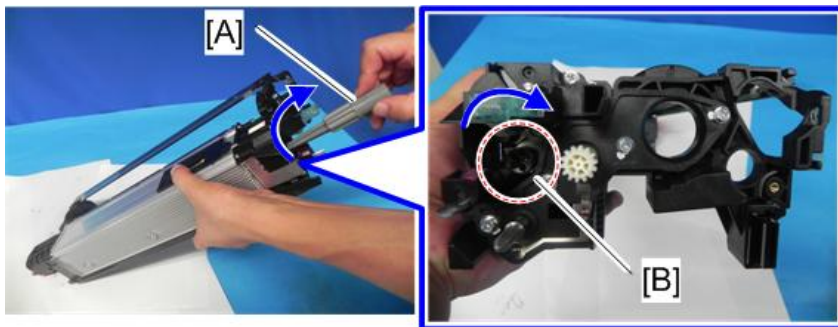


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★ Important

- When lifting the development unit, hold it with the development roller facing up and the development supply port facing down.
- When lifting the development unit, do not hold the frame. It may become bent or broken if load is applied to the frame.
- First, tilt the development unit to 60° and take out the old developer, and then tilt the unit to 90°. If you take out the old developer with the unit at 90° from the start, the developer will spread out and stack in the supply port.
- When the old developer cannot be removed smoothly, try the following procedure while doing step 3, in addition to the operation specified in step 3.

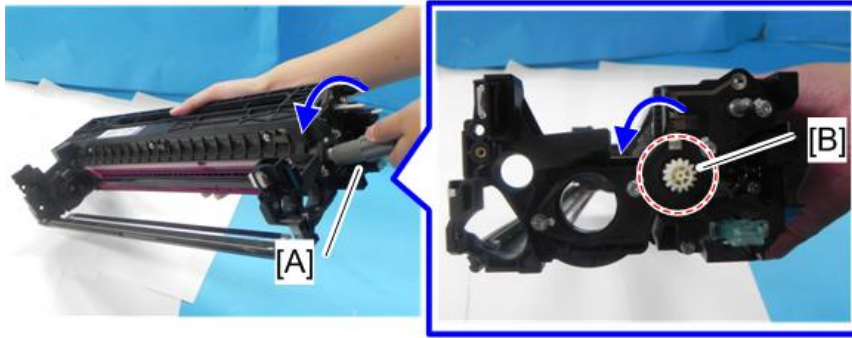
Tilt the development unit, and rotate the screw [B] clockwise using the development jig [A] to remove the old developer.



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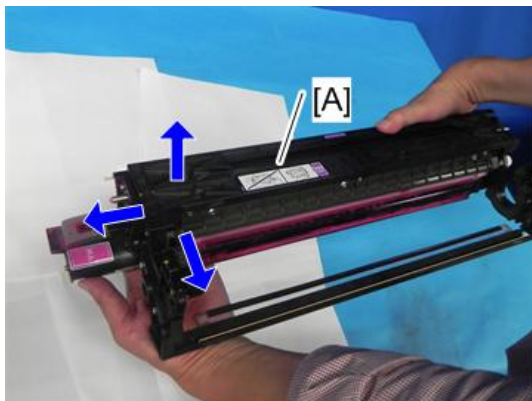
4.Replacement and Adjustment

3. When the developer is no longer ejected from the supply port, rotate the development roller [B] counterclockwise using the development jig [A].



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4. Repeat step 2 until the developer does not come out of the supply port.
5. Shake the development unit [A] up and down, left and right, and back and forth 5 times each. (The swing width is about 10 cm.)



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Note

- This improves the fluidity of the remaining developer, and makes it easier to remove.

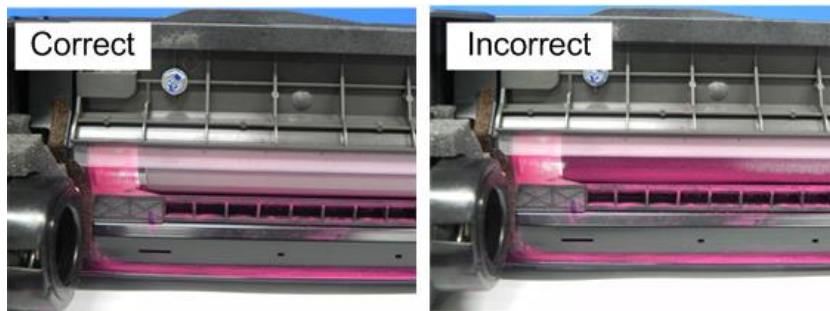
6. Repeat steps 3 and 2 (in that order) until developer does not come out of the supply port.
7. Tilt the development unit [A] towards the development roller. The developer in the unit is gathered at the development roller side.



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8. Turn the development roller clockwise, and make sure that there is no adhesion of developer around the roller.
9. Keep removing the old developer until the developer adhered to the front development roller is about 1cm

from the edge. When you cannot take out the old developer, try these steps in the following order: steps 5 -> 3 -> 2 -> 7 -> 8.



w_d257a8017_en

- 10.** When there is a lot of remaining developer, tilt the development unit toward the development roller and shake it (in the same way as in step 5).

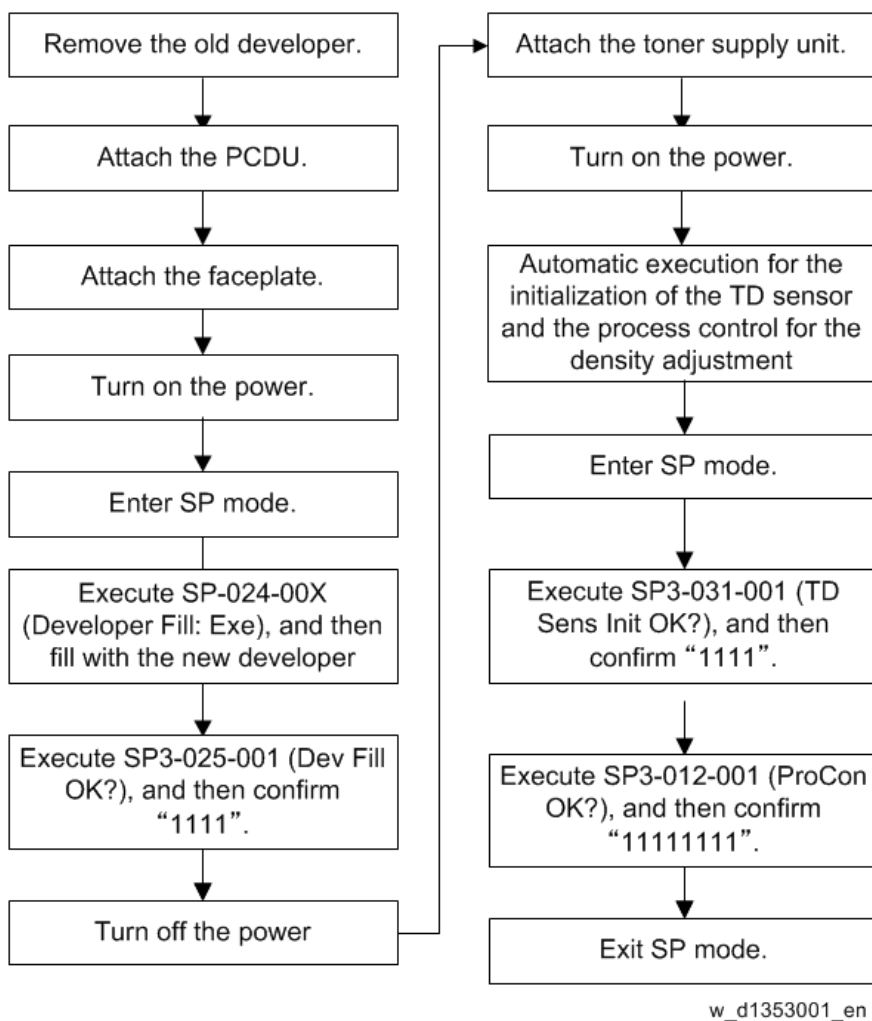
Adding New Developer

Before you refill a development unit, remove all the old developer in accordance with the 'Removing Old Developer' procedure above.

If there is no toner, add the new developer after installing new toner. This is because when there is no toner, TD sensor initialization and process control for density adjustment do not start after adding new developer.

4.Replacement and Adjustment

Adding New Developer (Summary)



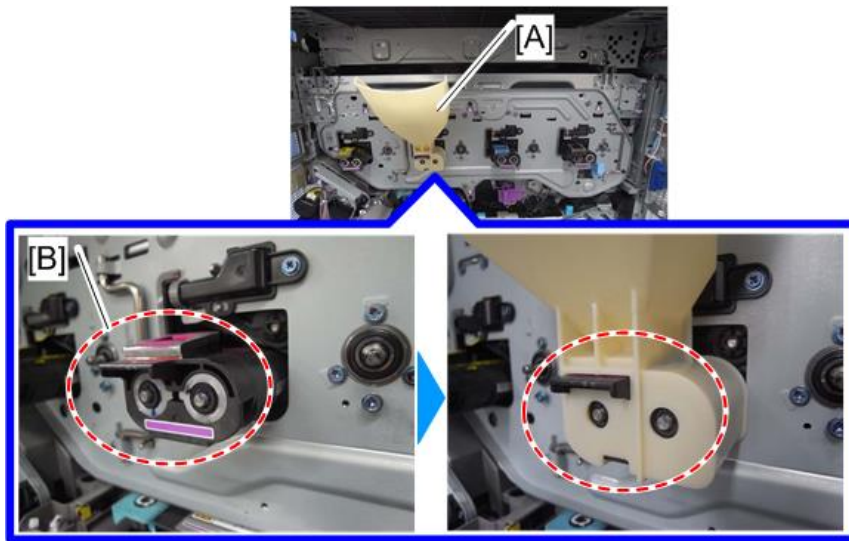
Adding New Developer and Adjustment

Note

- Replace the development unit before adding new developer.
- When the toner is ended, you should replace the toner before adding new developer, because initialization for the TD sensor and density adjustment process control will not be executed if there is no toner.
- The drawer unit, vertical transport door, and bypass tray door should be opened when adding new developer, otherwise SC682-07 is logged.

- 1.** Turn OFF the power.
- 2.** Remove the toner supply unit. ([Toner Supply Unit](#))
- 3.** Remove the faceplate. ([Faceplate](#))
- 4.** Remove the PCDU. ([PCDU](#))
- 5.** Replace the development unit. ([Development Unit](#))
- 6.** Attach the PCDU.
- 7.** Attach the faceplate.

- 8.** Turn ON the machine.
- 9.** Attach the funnel [A] to the supply port [B] of the development unit.



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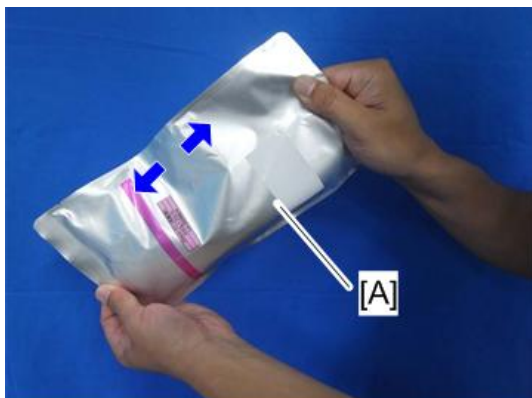
Note

- Protrusion [A] at the bottom of the funnel is a stopper. Make sure that the protrusion is inserted securely into the slot at the back side of the supply port [B] of the development unit.



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- 10.** Shake the developer pack [A] 5 or 6 times.



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- 11.** Enter SP mode and execute SP3-024-00x (Developer Fill). See the table below.

4.Replacement and Adjustment

Filling Developer SP

SP	Description
3-024-001	Developer Fill :Exe Execute: ALL
3-024-002	Developer Fill :Exe Execute: COL
3-024-003	Developer Fill :Exe Execute: K
3-024-004	Developer Fill :Exe Execute: C
3-024-005	Developer Fill :Exe Execute: M
3-024-006	Developer Fill :Exe Execute: Y
3-024-007	Developer Fill :Exe Choose: From Left: YMCK
3-024-008	Developer Fill :Exe Execute: Chosen Color

- 12.** Fill the developer [A] while tapping the funnel. It should finish within 60 seconds. Make sure that the error message "Failed" does not appear.



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★ Important

- Execution time for filling developer is 60 seconds as the default. The time interval for execution can be adjusted. If more time is needed to empty the developer pack, increase the time interval with SP3-024-11 (Developer Fill: Exe Drive Time Upper Limit).
- If the filling is not completed in time, see the result code table below.
- If the error message "Failed" is displayed after executing SP3-024-XXX (Developer Fill :Exe Execute), check the execution result code with SP3-025-001 (Dev Fill OK?). Then perform the recovery procedure shown in "Result code table for filling developer" below. After performing the recovery procedure, make sure that "1" is displayed in SP3-025-001 (Dev Fill OK?).

- 13.** After the filling completion message is displayed on the touch panel display, enter SP3-025-001 (Dev Fill OK? From Left:YMCK) to confirm that developer installation succeeded.

You will see a 4-digit number: 1111. Reading from left-to-right, each number is a result code for the Y, M, C, K developer execution with SP3-024-00. Refer to the result code table below.

Result code table for filling developer

Code	Meaning	Comment	Conditions	Recovery Procedure
0	No execution	-	-	-
1	Succeeded	-	-	Even though the results display

4.Replacement and Adjustment

Code	Meaning	Comment	Conditions	Recovery Procedure
				<p>of SP3025 shows success, developer may remain in the funnel. In this case, implement the following output checks in order to fill the remaining developer.</p> <ul style="list-style-type: none"> • Set SP5-805-114 (Output Check Used Toner Bottle Motor) to ON “1”. • Set SP5-805-115 (Output Check Toner Discharge Motor) to ON “1”. • Set SP5-805-112, -113, -114 or 115 (Output Check Dev Motor) to ON “1”. • After the completion of filling, set the output checks to OFF.
2	No developer exited	Before execution, TD sensor output was above 1.0V (developer present).	The developer is filled with about 150 to 200g when the time expires	<p>Deal with this in the following order.</p> <ul style="list-style-type: none"> • Turn OFF the main power. • Carefully remove the funnel for which the developer is remaining. • Remove the PCDU and attach the cap to the supply port. • Tilt the PCDU about 45 degrees towards the toner supply unit, closer to the developer supply port side in the vicinity of the TD sensor. • Attach the PCDU. • Attach the funnel that has the developer remaining. • Turn ON the main power and run the developer

4.Replacement and Adjustment

Code	Meaning	Comment	Conditions	Recovery Procedure
				filling with SP3-024. <ul style="list-style-type: none"> • Make sure that "1" is the result with SP3-025.
2	No developer exited	Before execution, TD sensor output was above 1.0V (developer present).	When removing the developer during EM, if developer remains in the development unit	Deal with this in the following order. <ul style="list-style-type: none"> • Turn OFF the main power. • Remove the PCDU and remove the developer in the PCDU. • Attach the PCDU and the funnel • Enter SP mode and execute SP3-024-00x (Developer Fill). • Fill the developer
3	No developer entered	After execution, TD sensor output was below 1.0V (no developer present).	Remaining developer is less than 150g when the time expires	<ul style="list-style-type: none"> • Enter SP mode and execute SP3-024-00x (Developer Fill).
4	Used toner bottle not set	The used toner bottle was not detected.	No waste toner bottle in the machine	<ul style="list-style-type: none"> • Put the waste toner bottle in the machine. • Enter SP mode and execute SP3-024-00x (Developer Fill).
5	Used toner bottle full	The used toner bottle was detected full.	If the waste toner bottle is full when filling the developer	<ul style="list-style-type: none"> • Replace the waste toner bottle. • Enter SP mode and execute SP3-024-00x (Developer Fill).
7	Development motor lock	The development motor was not operating.	If the development motor is locked (SC325 to SC328) when filling the developer	<ul style="list-style-type: none"> • Clear the SC325 to SC328. • Enter SP mode and execute SP3-024-00x (Developer Fill).
8	Used toner transport lock	One or both motors locked: Used Toner Transport Motor, Used Toner Bottle Motor.	One or both motors is locked: Used Toner Transport Motor, Used Toner	<ul style="list-style-type: none"> • Clear the SC 486/SC488. • Enter SP mode and execute SP3-024-00x (Developer Fill).

Code	Meaning	Comment	Conditions	Recovery Procedure
			Bottle Motor. (SC 486/SC488)	
9	Forced abort	Bypass tray cover opened, waste toner front cover opened, the machine was powered off, or some other event interrupted execution.	When the situation on the left happened when filling the developer	Deal with this in the following order. <ul style="list-style-type: none"> • Enter SP mode and execute SP3-024-00x (Developer Fill). • If the result code is not "1", replace the developer.

14. Remove the funnel and turn off the power.

15. Attach the toner supply unit and turn on the power.

Note

- After turning on the main power switch, initialization for the TD sensor and process control automatically starts.

16. Check the initialization results for the TD sensor (SP3-031-00x (Init TD Sensor: Exe Execute)). If the initialization is successful, the result shows "1111".

Note

- If "1111" is not displayed, solve using the steps that are described in the table above.

17. Check the initialization results for process control (SP3-012-001 (ProCon OK? History:Latest)). If the initialization is successful, the result shows "1111111".

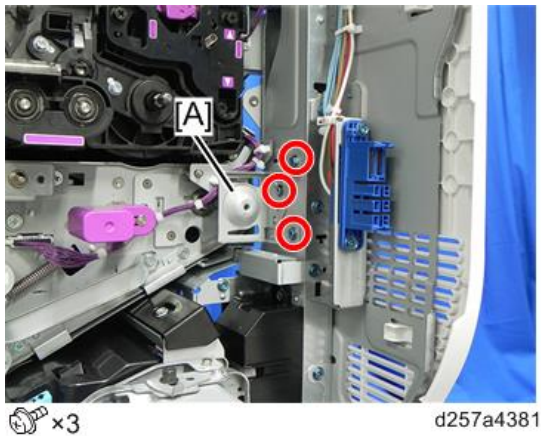
Image Transfer Belt (ITB) Unit

ITB Unit Removal

★ Important

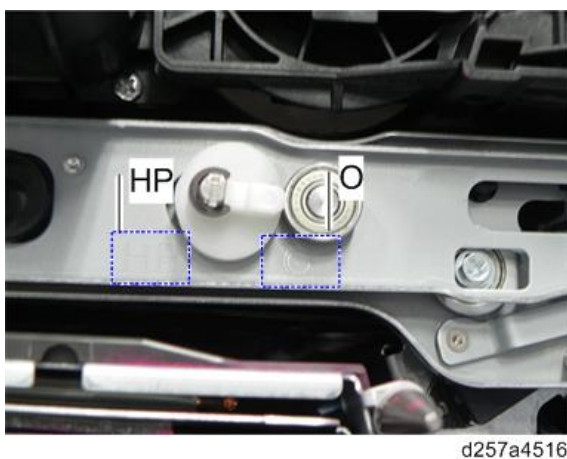
- When you have replaced the ITB unit, you must adjust the paper transfer belt unit. ([Adjustment of the Paper Transfer Belt Unit](#))

- 1.** Remove the ITB cleaning unit. ([ITB Cleaning Unit](#))
- 2.** Remove the faceplate. ([Faceplate](#))
- 3.** Remove the bracket [A].

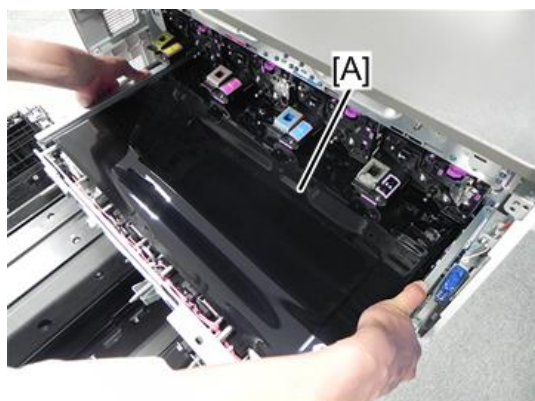


- 4.** Check that the image transfer rollers (YMC) do not contact the transfer belt. You can check it with the lever shown in the picture below. The lever indicates either “HP” or “O” depending on the state of the image transfer rollers.

- **HP:** Image transfer rollers contact the ITB.
- **O:** Image transfer rollers are detached from the ITB.



5. Pull the drawer unit. Then pull the ITB unit [A] out to detach it.



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★ Important

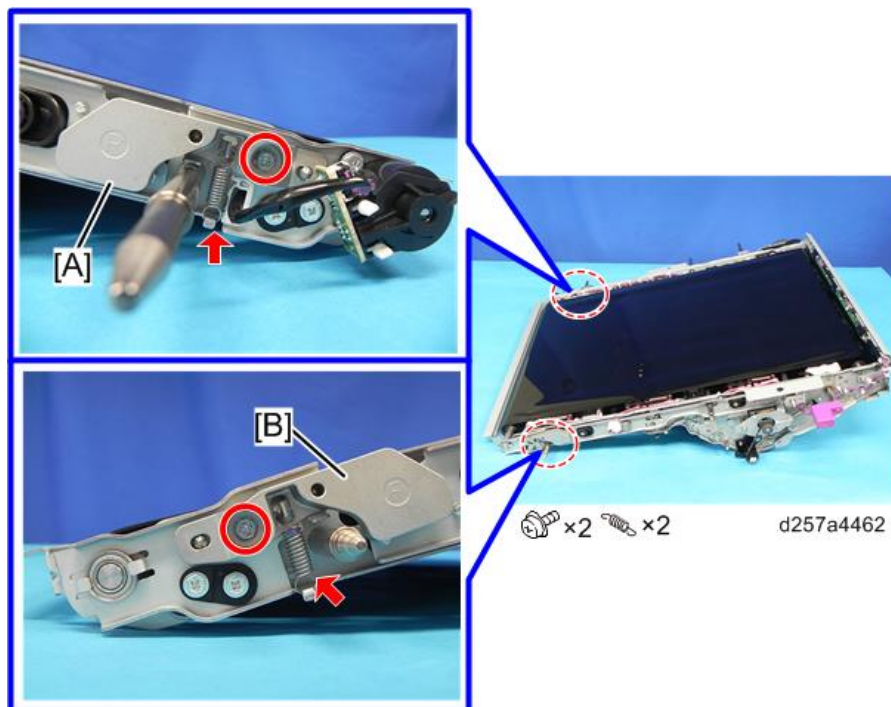
- When you remove or install the ITB unit, be sure not to let the transfer belt touch the drawer unit.
- Be sure to place the ITB unit on a flat surface.
- Execute SP2-924-004 after you remove and re-install the ITB unit.

ITB Replacement

Before you start:

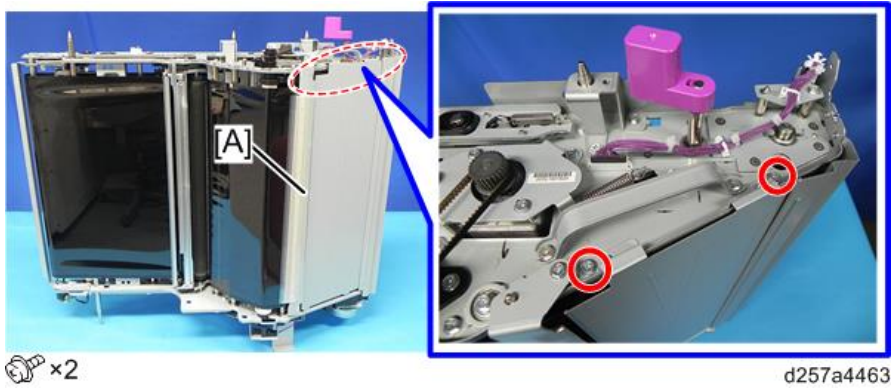
- Clear the counter for the ITB in PM counter mode (or use SP mode to turn SP3701-093 or 094 “0 → 1”)
- Turn the machine off.

1. Remove the ITB unit. (ITB Unit Removal)
2. Remove both side brackets [A], [B].

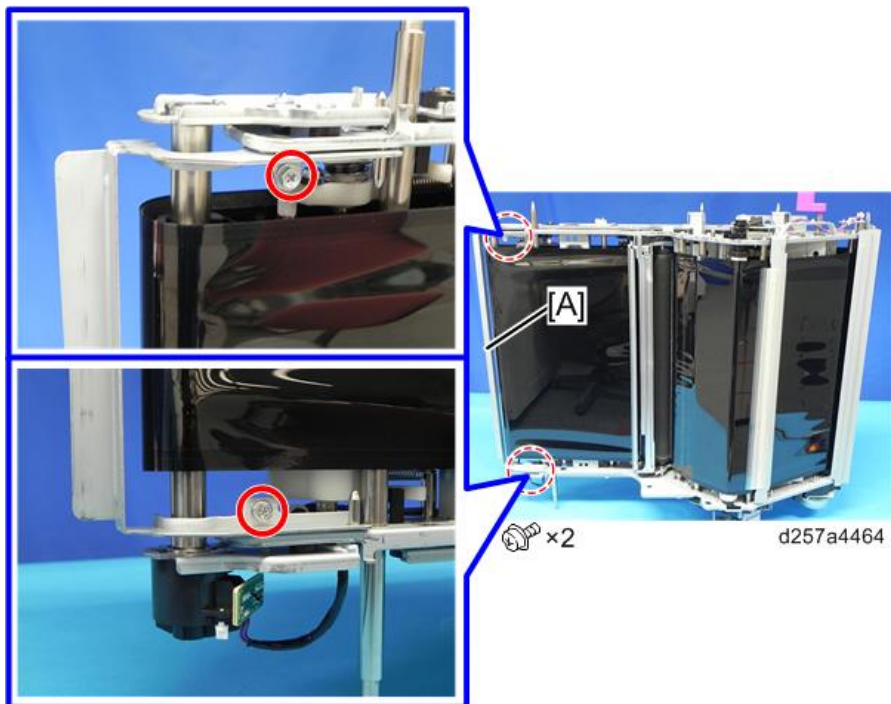


4.Replacement and Adjustment

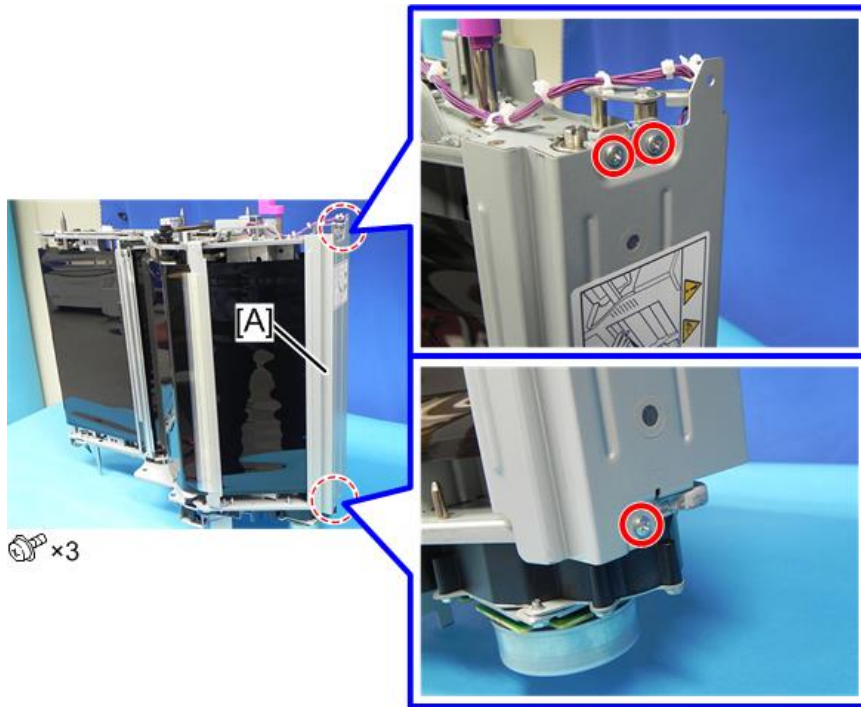
- 3.** Remove the anti-toner-scattering cover [A].



- 4.** Remove the stay [A] on the left side.

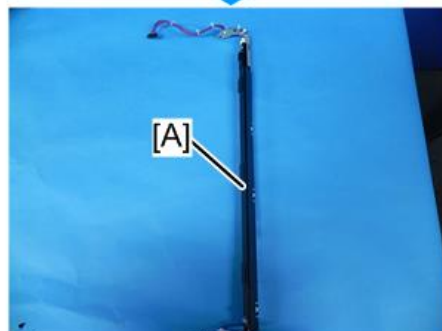
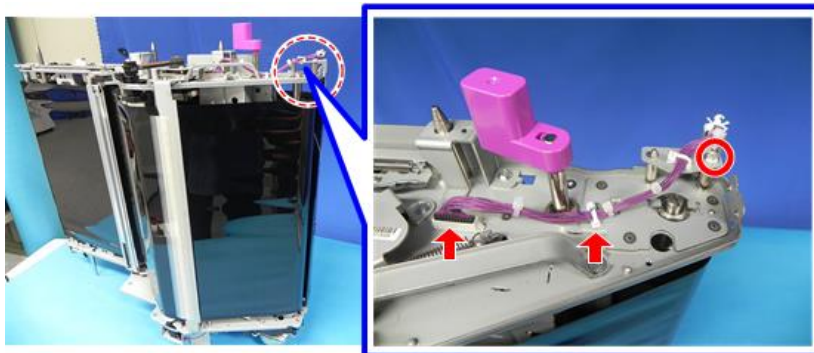


5. Remove the stay [A] on the right side.



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6. Remove the bracket with ID/MUSIC sensors [A].

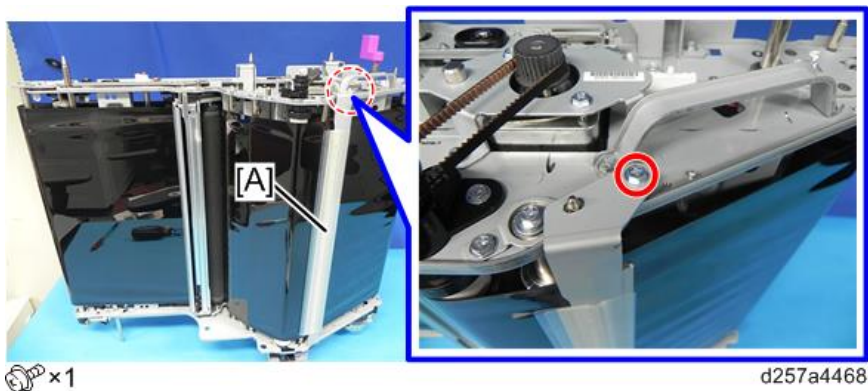


 x1  x1  x1

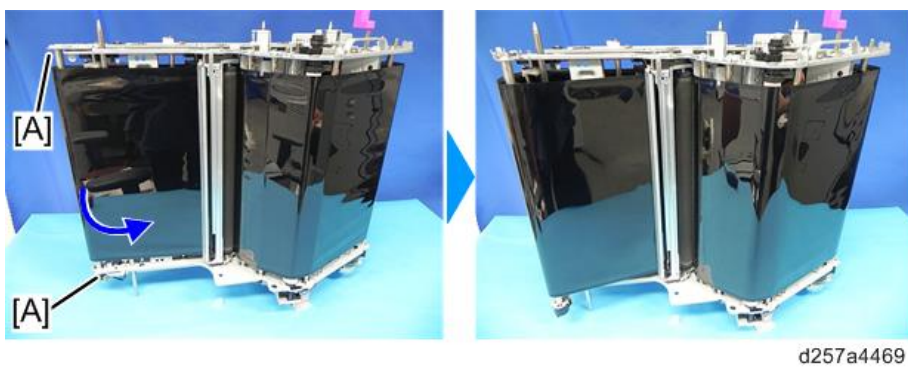
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4.Replacement and Adjustment

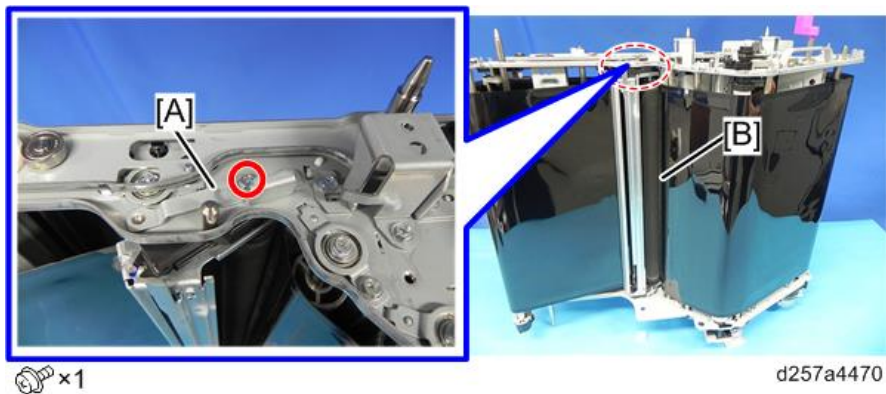
7. Remove the center stay [A].



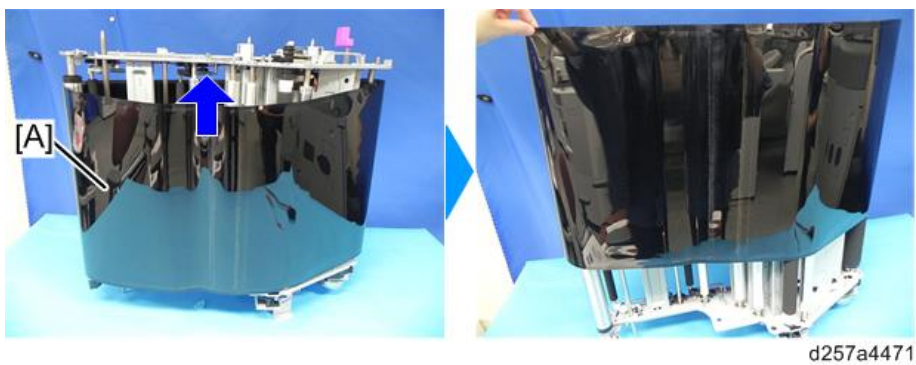
8. Hold the frames [A] of the encoder roller and pull them towards you.



9. Remove the bracket [A]. Remove the tension roller [B].



10. Pull the transfer belt [A] upward to remove it.



⚠ CAUTION

- Be sure to install the new transfer belt with the number at the rear of the machine (the lower side in the picture below).
- Be sure to attach the new transfer belt without slackness.



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↓ Note

- After the replacement, some procedures need to be done. See “Lubrication after replacement” described below.

Lubrication after replacement

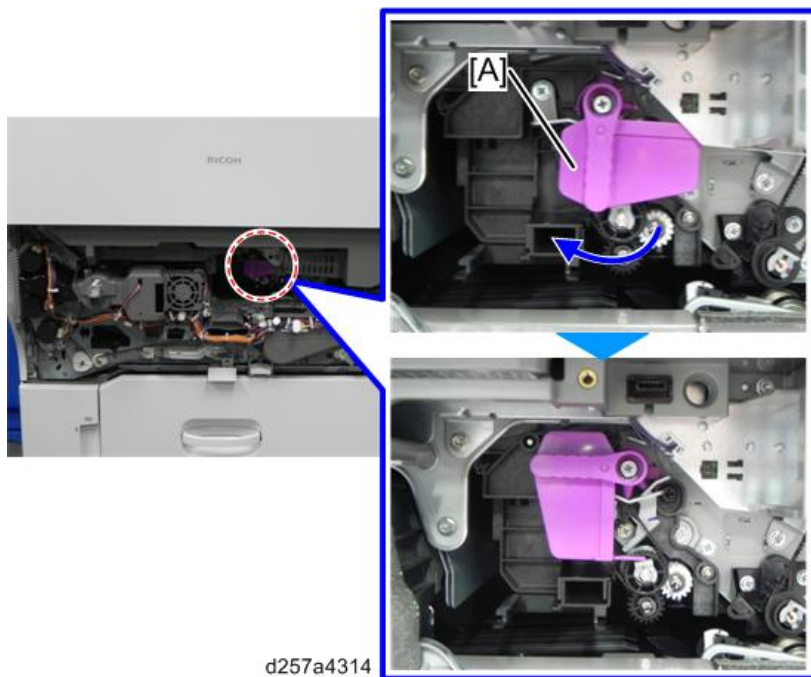
- 1.** Turn ON the machine
- 2.** Enter the SP mode.
- 3.** Push the PM parts counter reset button in the PM Parts display (Image Transfer Belt Unit or Image Transfer Belt).
- 4.** Turn OFF the machine.
- 5.** Replace the image transfer belt.
- 6.** Attach the faceplate and toner supply unit.

↓ Note

- Do not install the belt cleaning fan yet.

4.Replacement and Adjustment

- 7.** Rotate the blade release lever [A] to move the cleaning blade away from the ITB.



- 8.** Attach the drawer unit cover.
9. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
10. Pull out (open) the drawer unit.
11. Keep the drawer unit open, and then turn ON the machine main power.

Note

- The automatic adjustment will not be performed when the machine is turned ON, since the drawer unit is pulled out/opened.

- 12.** Enter the SP mode and choose SP2-696-001 (Force Apply Lubricant Execute).
13. Push [Execute] on the operation panel and then push the drawer unit into the machine.

Note

- When the drawer unit is pushed into the machine, lubrication starts automatically. This operation takes about 3 minutes to complete.

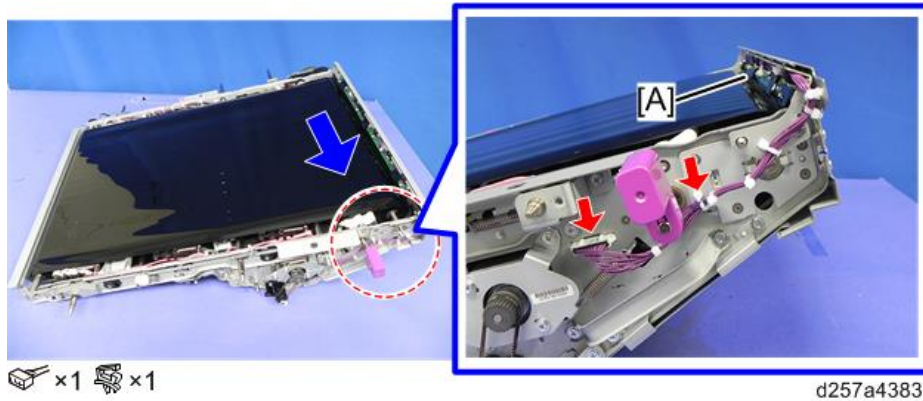
- 14.** Turn OFF the machine when the lubrication finishes (the machine stops).
15. Withdraw the drawer unit and rotate the blade release lever in order to make the cleaning blade contact the ITB.
16. Re-install the belt cleaning fan.
17. Re-attach the paper transfer belt unit.
18. Push the drawer unit into the machine.
19. Turn ON the machine.

Note

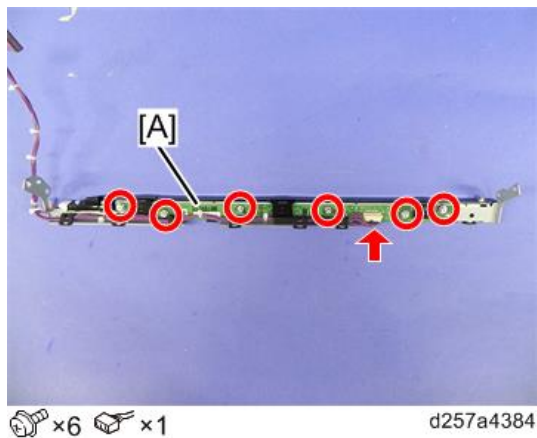
- The machine will then execute the automatic corrections.

 ID/MUSIC Sensors

1. Remove the ITB unit. ([ITB Unit Removal](#))
2. Remove the bracket with the ID/MUSIC sensor.

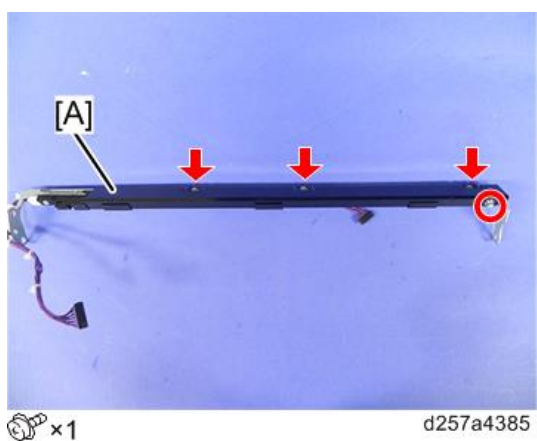


3. Detach the ID/MUSIC sensor [A] from the bracket.



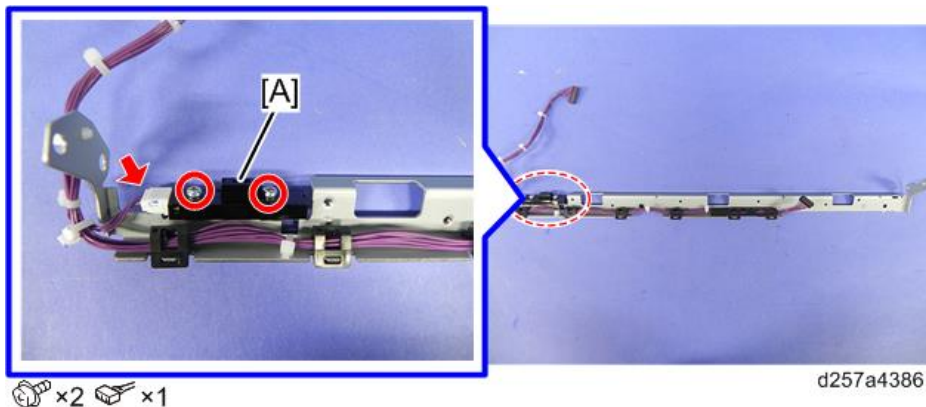
 ITB Home Position Sensor

1. Detach the ID/MUSIC sensor from the bracket. ([ID/MUSIC Sensors](#))
2. Remove the hooks. Remove the cover [A].



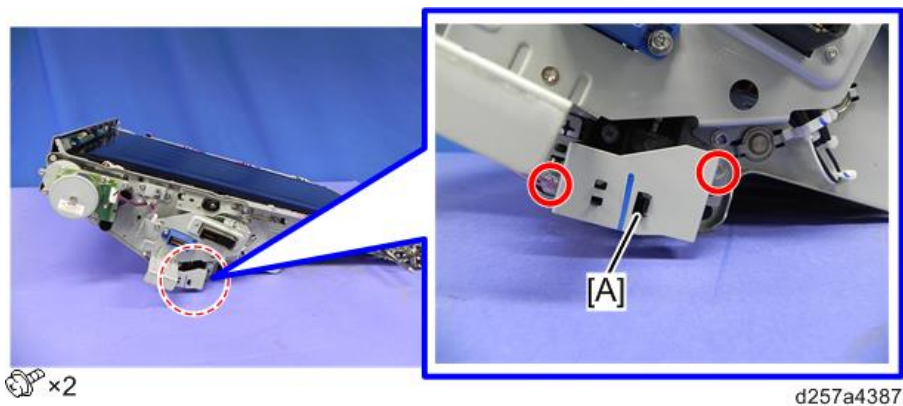
4.Replacement and Adjustment

3. Remove the ITB home position sensor [A].

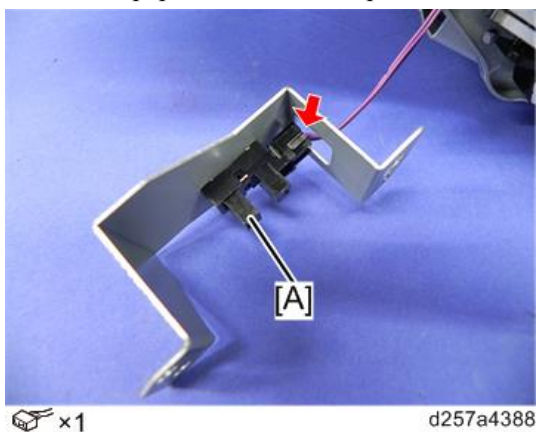


Paper Transfer Belt Separation Sensor

1. Remove the ITB unit. (ITB Unit Removal)
2. Remove the bracket with paper transfer belt separation sensor [A].



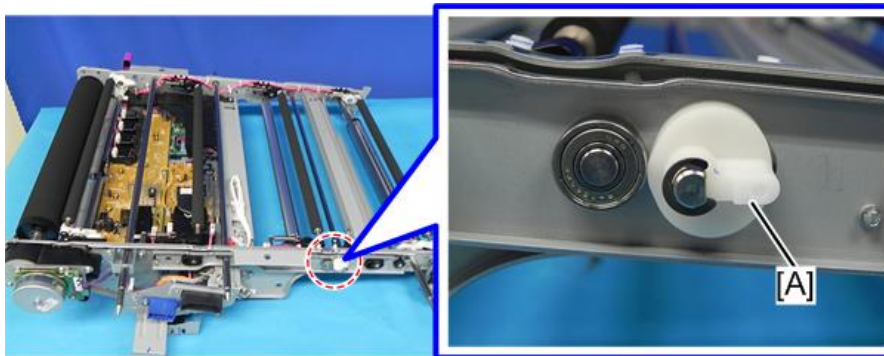
3. Detach the paper transfer belt separation sensor [A] from the bracket.



ITB Lift (YMC) Sensor

1. Remove the transfer belt. (ITB Replacement)

2. Rotate the cam [A] to the position (HP side) shown below.

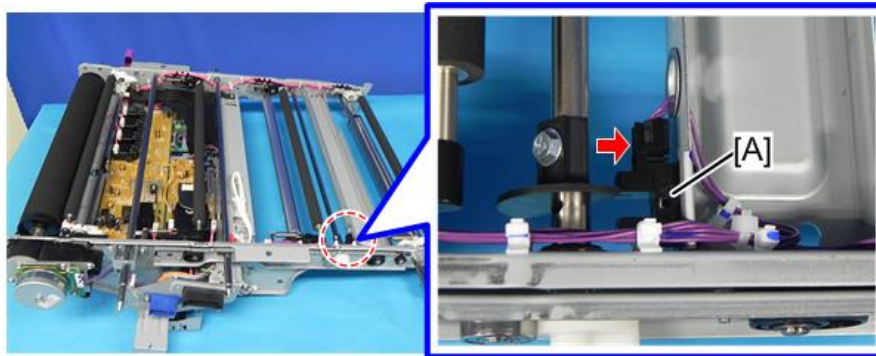


d257a4473

⚠ CAUTION

- Be sure to re-rotate the cam to the previous position (O side) and drop the image transfer roller down after the replacement.

3. Remove the hook. Remove the ITB lift (YMC) sensor [A].



 ×1

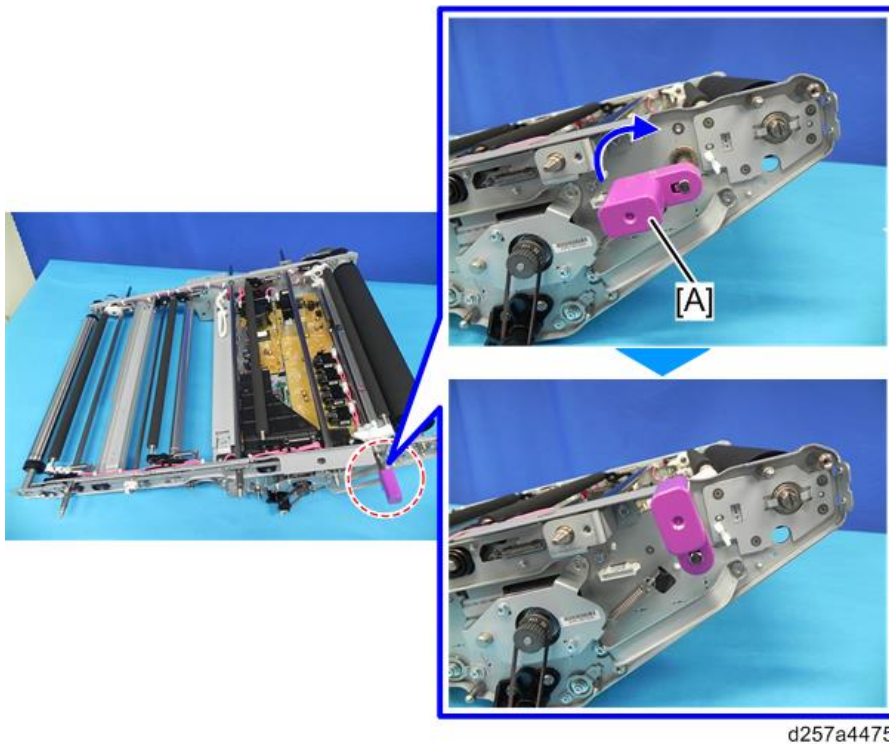
d257a4474

Image Transfer Roller (K)

1. Remove the transfer belt. (ITB Replacement)

4.Replacement and Adjustment

2. Raise the lever [A].

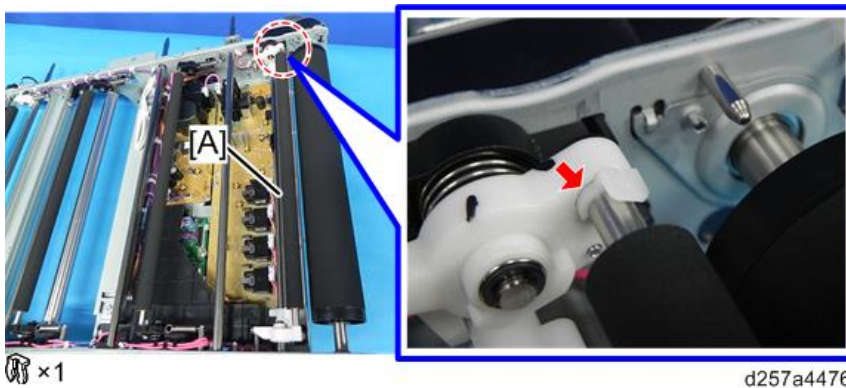


d257a4475

⚠ CAUTION

- Be sure to push down the lever and drop the image transfer roller down after the replacement.

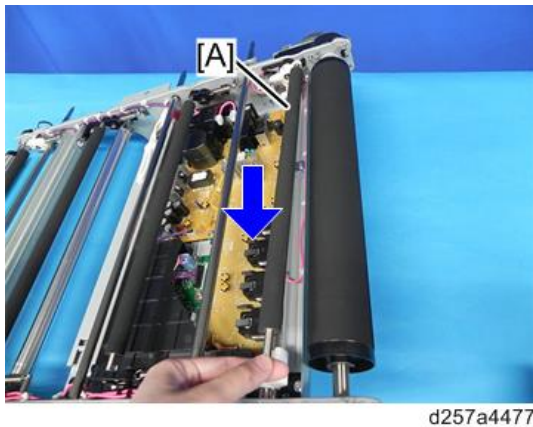
3. Remove the clip that fixes the image transfer roller (K) [A].



Ⓚ × 1

d257a4476

4. Slide the image transfer roller (K) [A] towards you and remove it.



d257a4477

Image Transfer Roller (YMC)

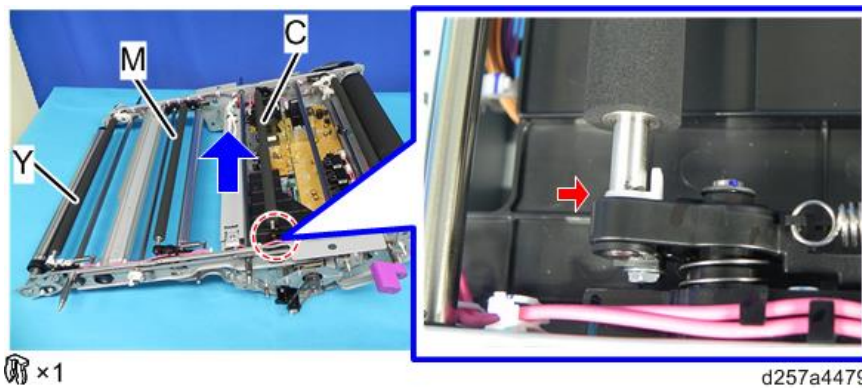
1. Remove the transfer belt. (ITB Replacement)
2. Rotate the cam [A] to the HP side.



⚠ CAUTION

- Be sure to re-rotate the cam to the O side and drop the image transfer roller down after the replacement.

3. Slide the image transfer roller (C) to the rear side and remove it.



↓ Note

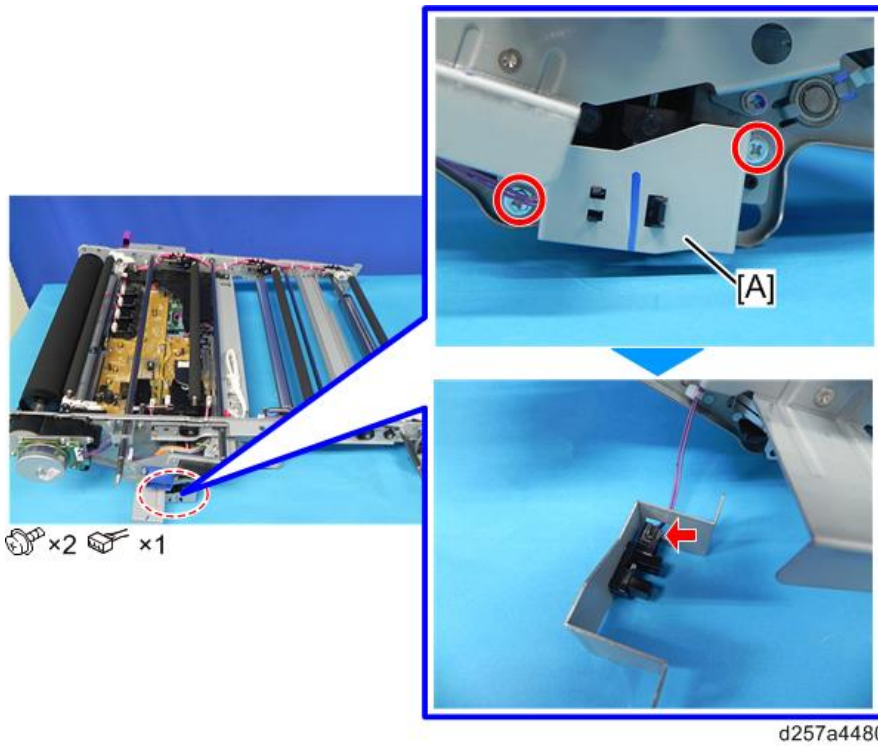
- Replace the image transfer roller (M), (Y) and (C) using the same steps.

ITB Bias Roller

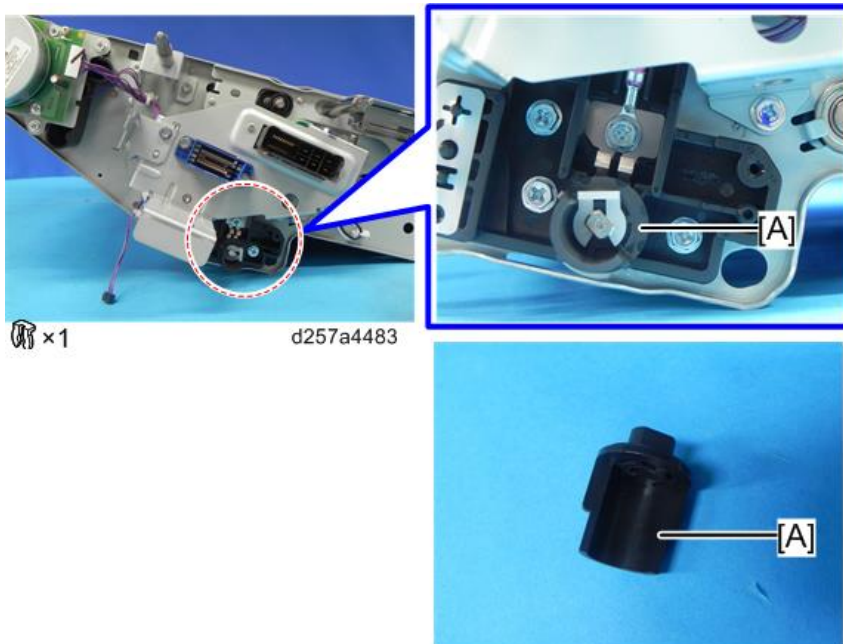
1. Remove the transfer belt. (ITB Replacement)

4.Replacement and Adjustment

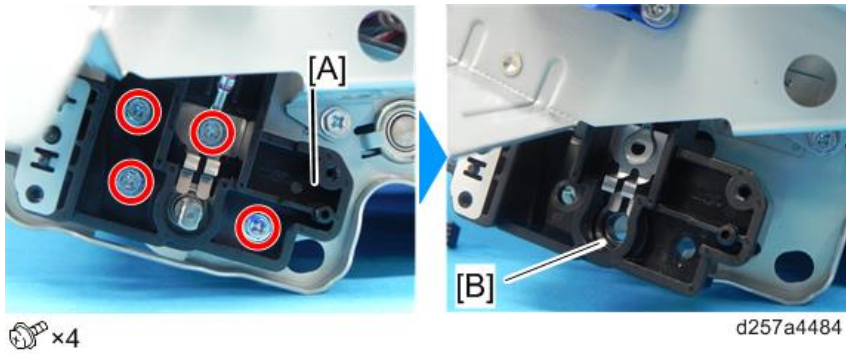
2. Remove the paper transfer belt separation sensor bracket [A].



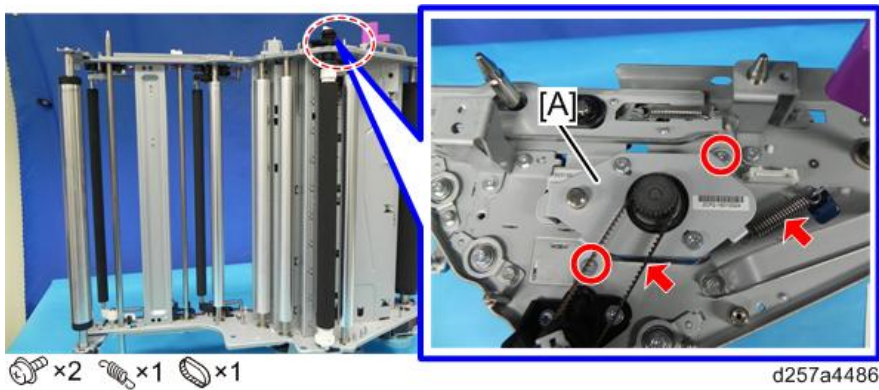
3. Remove the actuator [A].



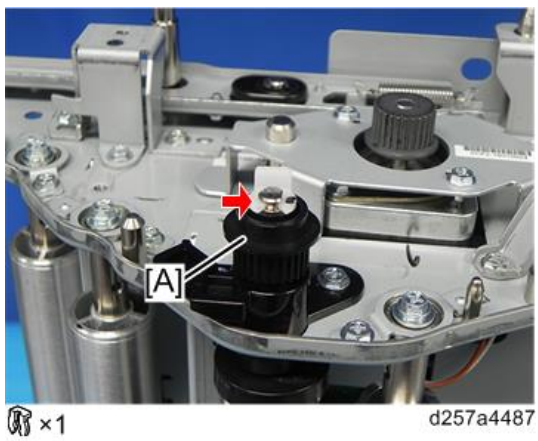
4. Remove the bracket [A] and the bearing [B].



5. Loosen the fixing screws of the motor bracket [A].

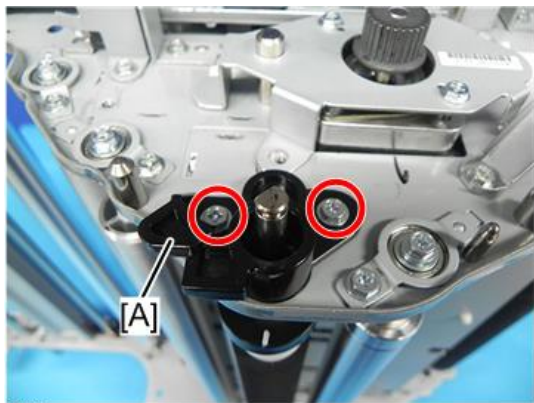


6. Remove the pulley [A].



4.Replacement and Adjustment

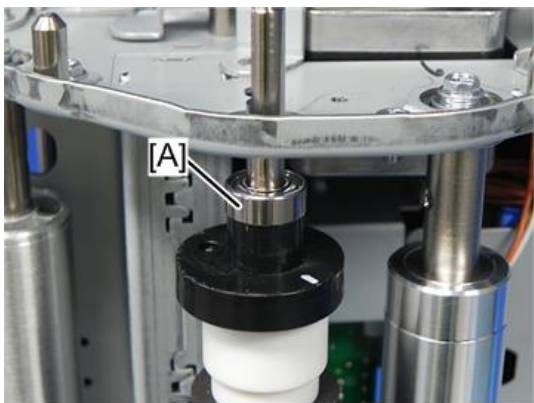
- 7.** Remove the bearing bracket [A].



🔧 ×2

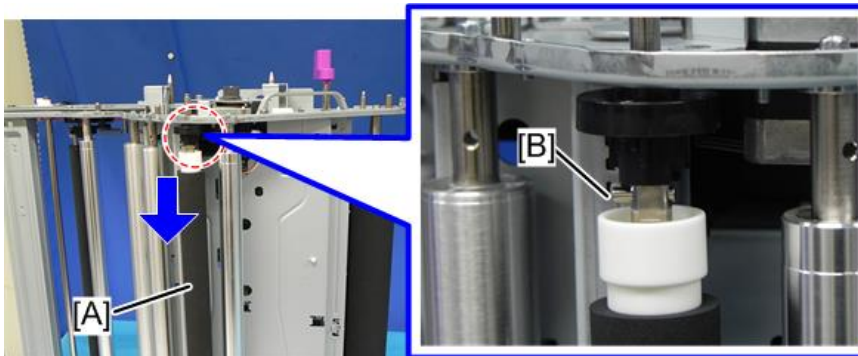
d257a4488

- 8.** Remove the bearing [A].



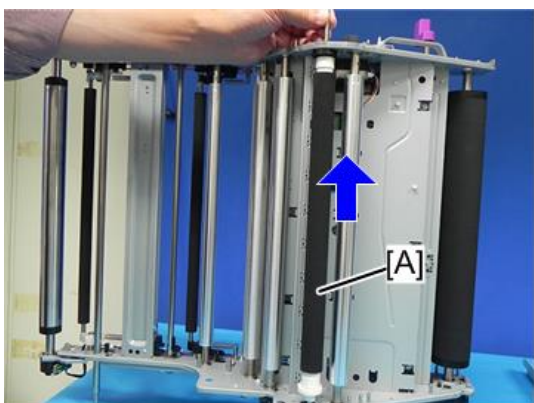
d257a4489

- 9.** Drop the ITB bias roller [A] down and remove the parallel pin [B].



d257a4490

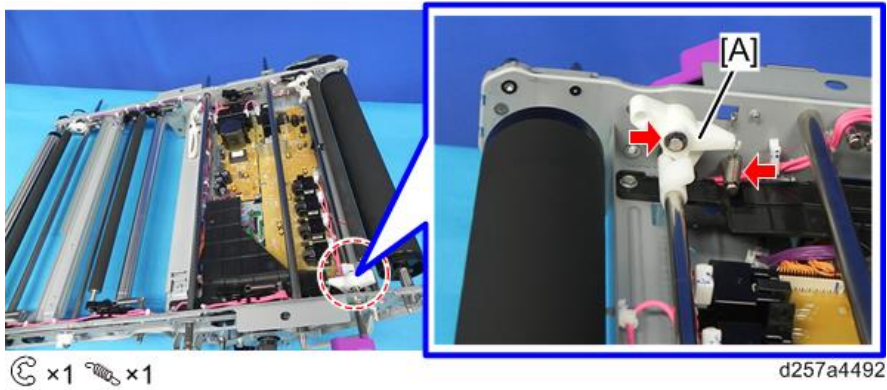
- 10.** Pull the ITB bias roller [A] upward and release its lower end to remove it.



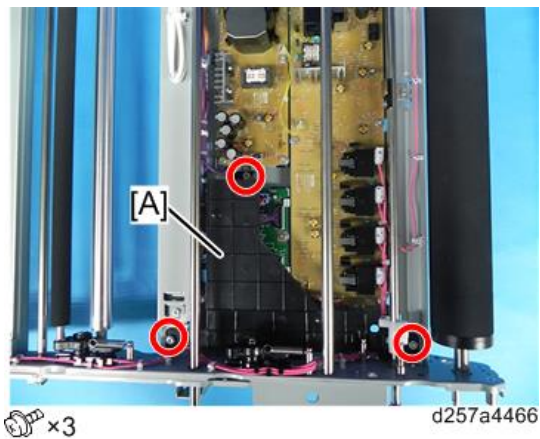
d257a4491

 Transfer Power Pack/Separation Power Pack

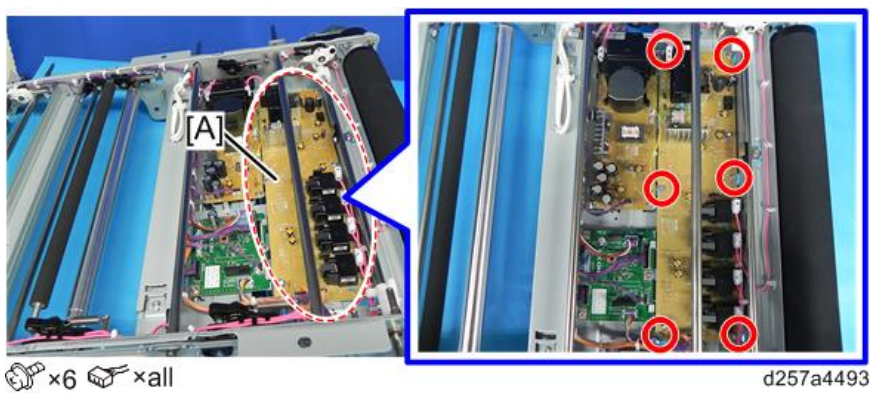
1. Remove the transfer belt. (ITB Replacement)
2. Remove the image transfer roller (K). (Image Transfer Roller (K))
3. Remove the image transfer roller (C). (Image Transfer Roller (YMC))
4. Remove the bracket [A].



5. Remove the cover [A].



6. Remove the transfer power pack/separation power pack [A].



 TDRB (Transfer Drive Relay Board)

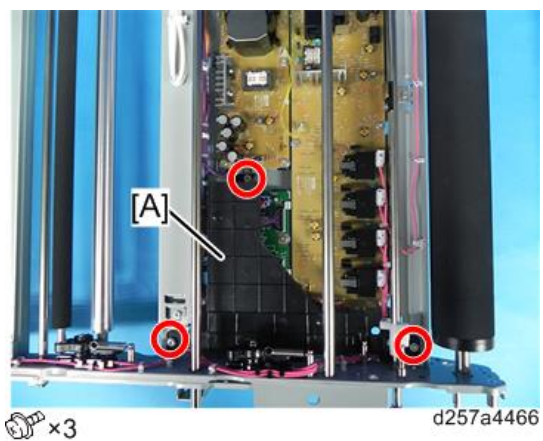
1. Remove the transfer belt. (ITB Replacement)

4.Replacement and Adjustment

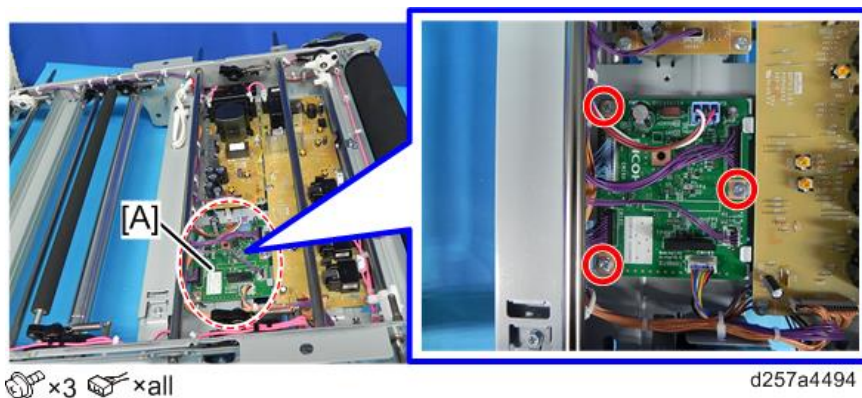
2. Remove the image transfer roller (K). (Image Transfer Roller (K))
3. Remove the image transfer roller (C). (Image Transfer Roller (YMC))
4. Remove the bracket [A].



5. Remove the cover [A].



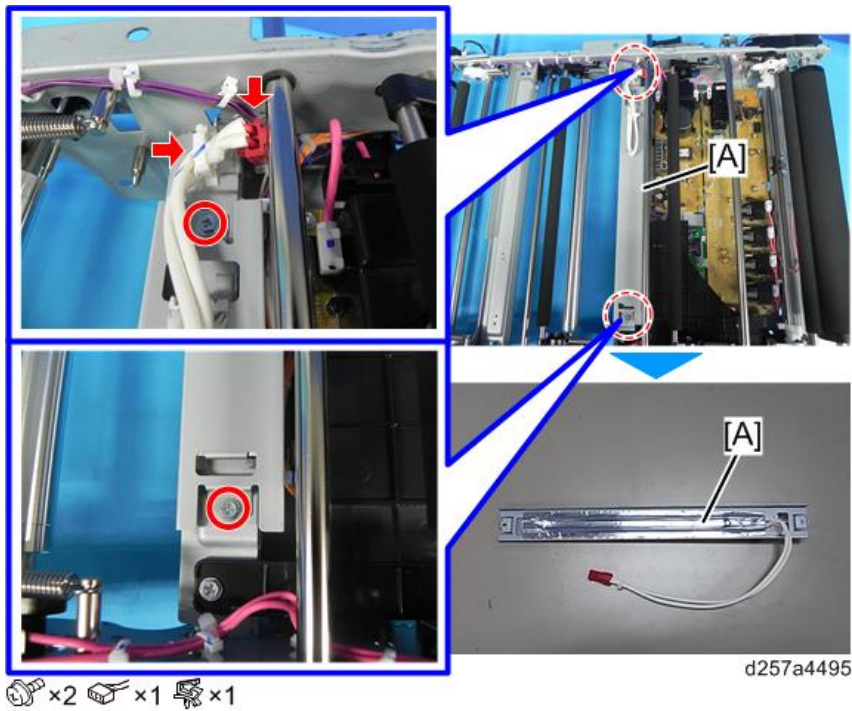
6. Remove the TDRB [A].



Anti-condensation Heater

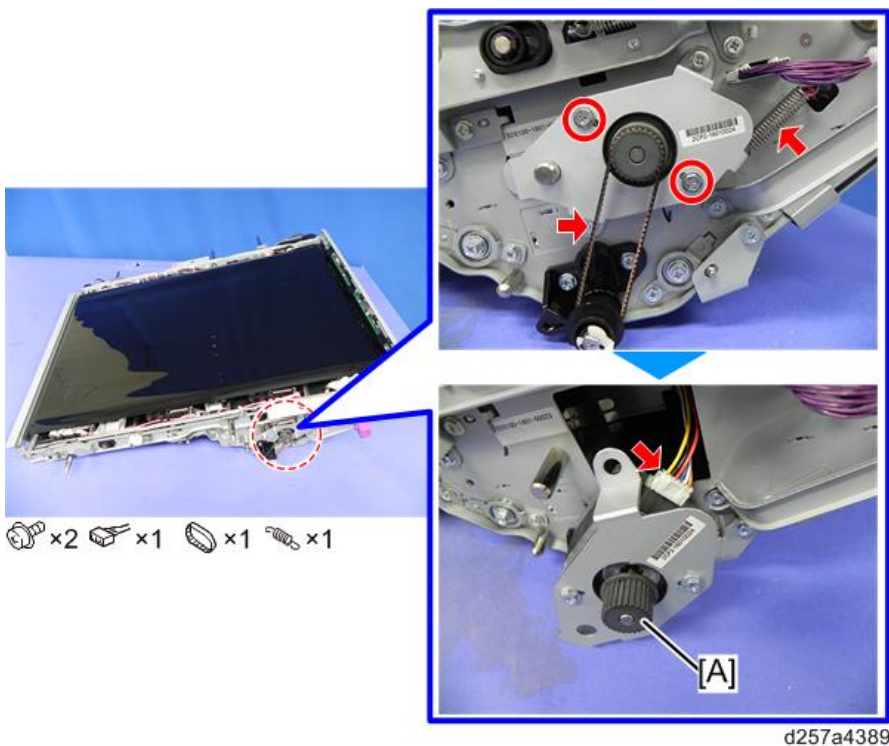
1. Remove the transfer belt. (ITB Replacement)

2. Detach the anti-condensation heater [A].



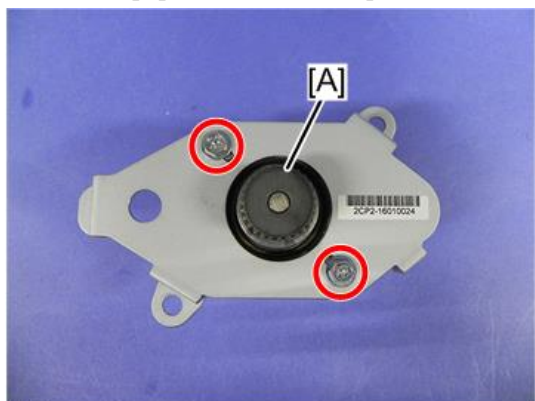
Paper Transfer Belt Separation Motor

1. Remove the ITB unit. (ITB Unit Removal)
2. Remove the bracket with the paper transfer belt separation motor [A].



4.Replacement and Adjustment

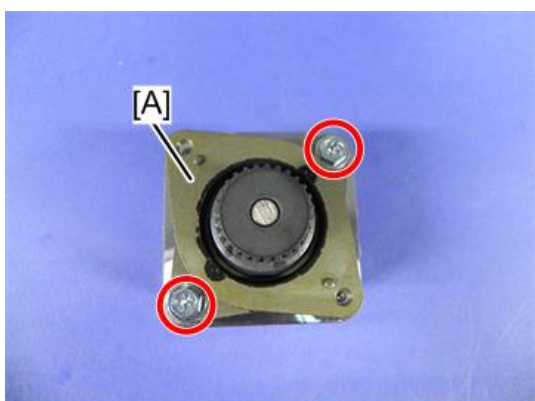
3. Detach the paper transfer belt separation motor [A] from the bracket.



 x2

d257a4390

4. Detach the vibration-proof pad [A] from the motor.

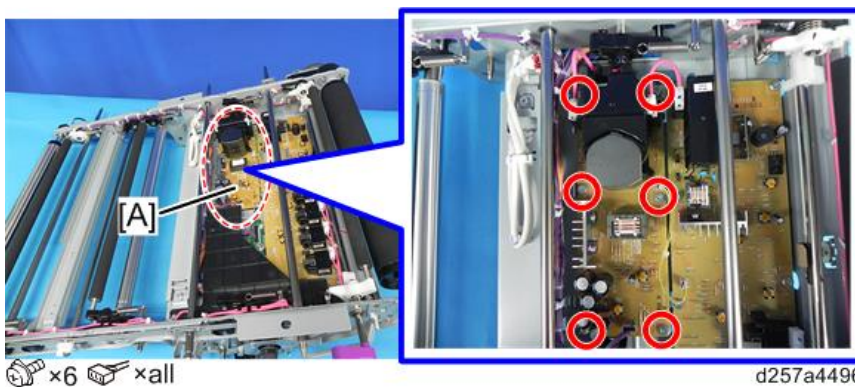


 x2

d257a4391

AC Transfer Power Pack (Pro C5200S/C5210S Only)

1. Remove the image transfer roller (C). ([Image Transfer Roller \(YMC\)](#))
2. Remove the AC transfer power pack [A].



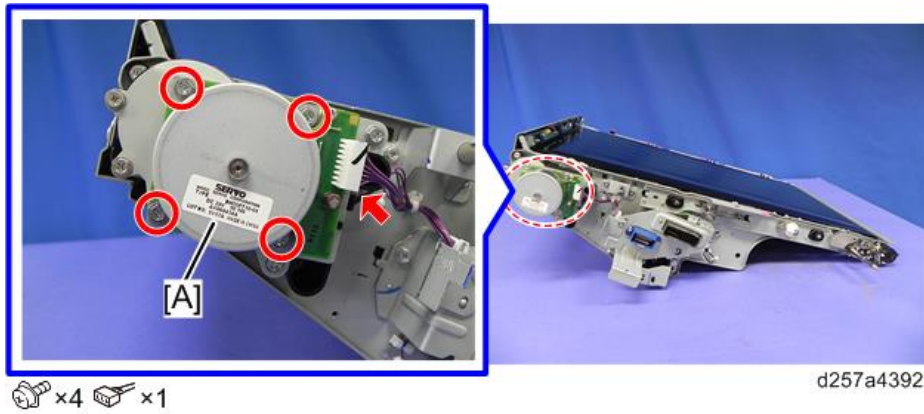
 x6  xall

d257a4496

ITB Motor

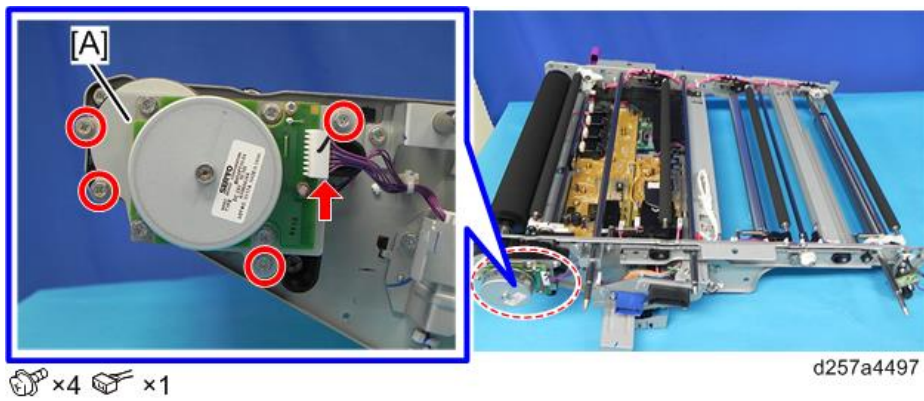
1. Remove the ITB unit. ([ITB Unit Removal](#))

2. Remove the ITB motor [A].

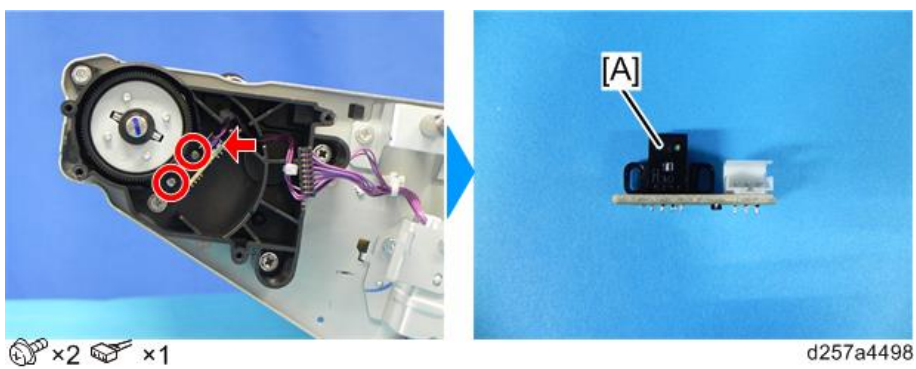


ITB Drive Shaft Gear, ITB Drive Shaft Encoder Sensor

1. Remove the transfer belt. (ITB Replacement)
2. Remove the motor bracket [A].

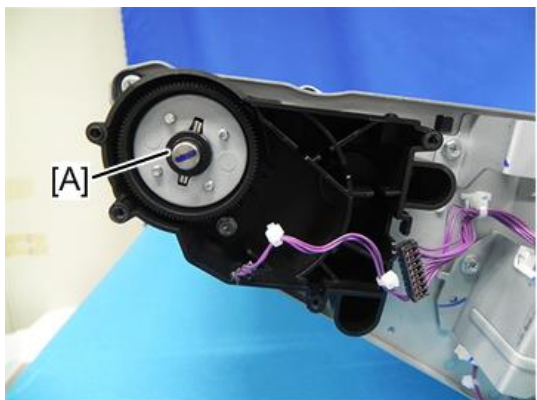


3. Remove the ITB drive shaft encoder sensor [A].



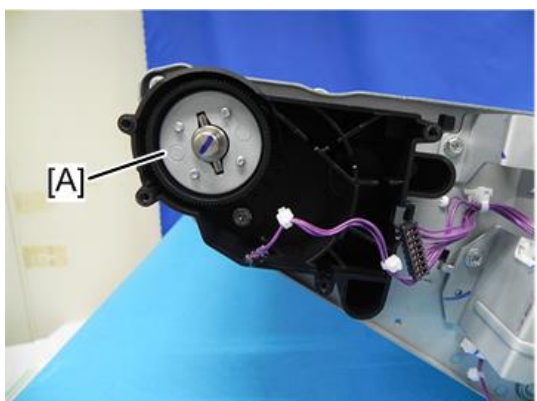
4.Replacement and Adjustment

4. Remove the spacer [A].



d257a4499

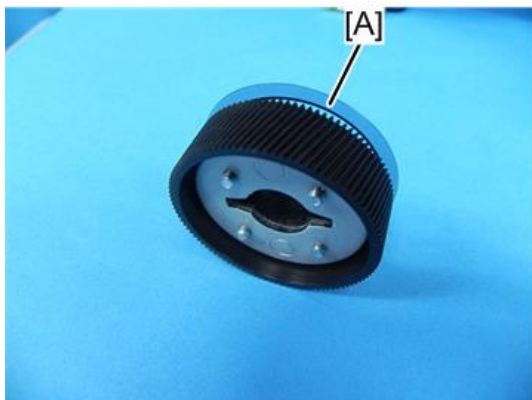
5. Remove the ITB drive shaft gear [A].



d257a4500

⚠ CAUTION

- Be sure to handle the gear carefully. Take care not to break the encoder [A].



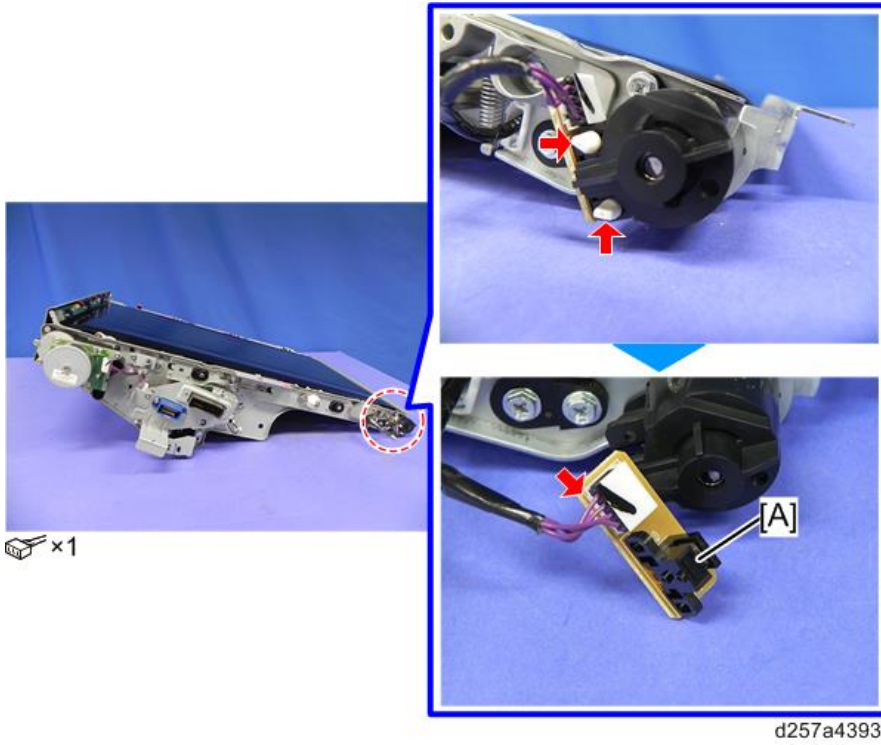
d257a4501

- To prevent breaking the encoder [A] when you install the ITB drive shaft gear, remove the ITB drive shaft encoder sensor from the housing first. Then install the ITB drive shaft gear.

ITB Driven Shaft Encoder Sensor

1. Remove the ITB unit. ([ITB Unit Removal](#))

2. Remove the pins, and remove the ITB driven shaft encoder sensor [A].



4.Replacement and Adjustment

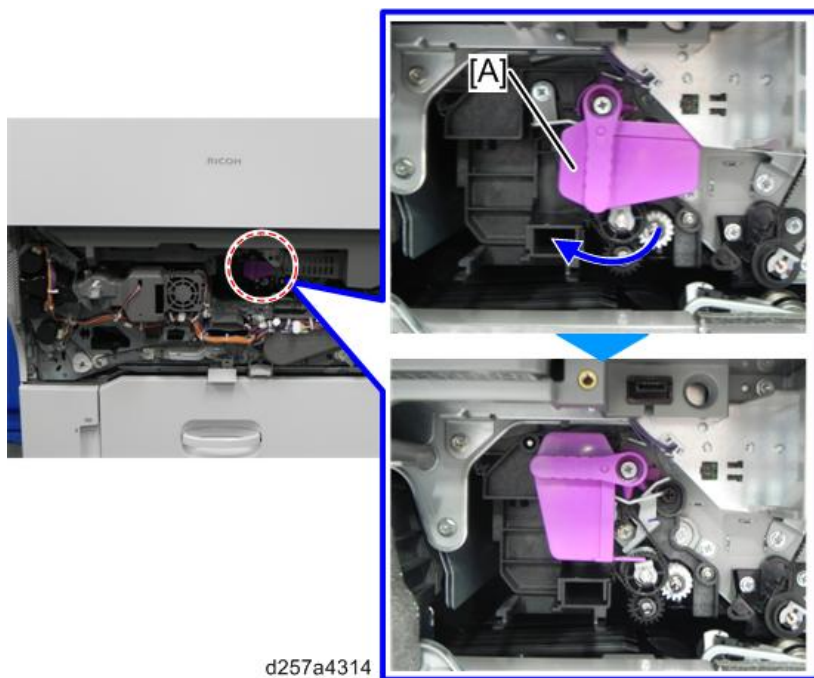
ITB Cleaning Unit

Before you start replacement of the ITB cleaning unit or its components (ITB cleaning blade, ITB lubricant bar, ITB lubricant blade, ITB lubricant brush):

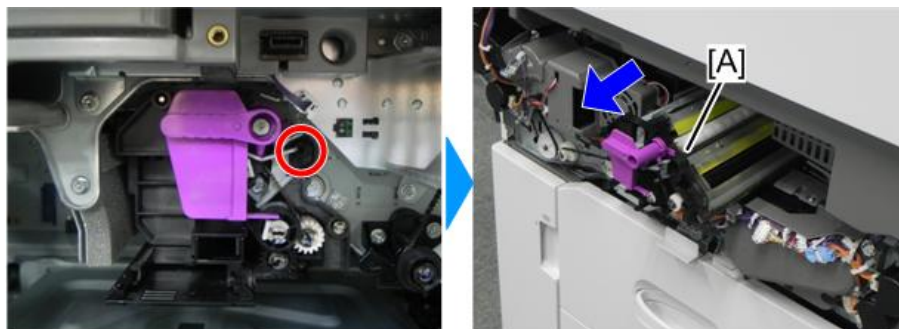
1. In the PM counter screen, set "New Part Set" to ON.
2. Turn the machine off.

ITB Cleaning Unit

1. Remove the ITB cleaning intake fan. ([ITB Cleaning Intake Fan](#))
2. Release the lock lever [A].



3. Pull the ITB cleaning unit [A] out.

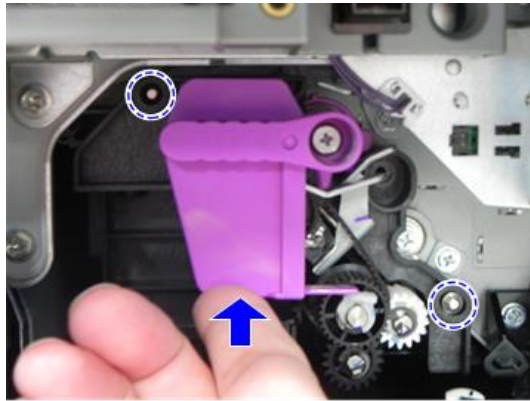


🔧 ×1

Note

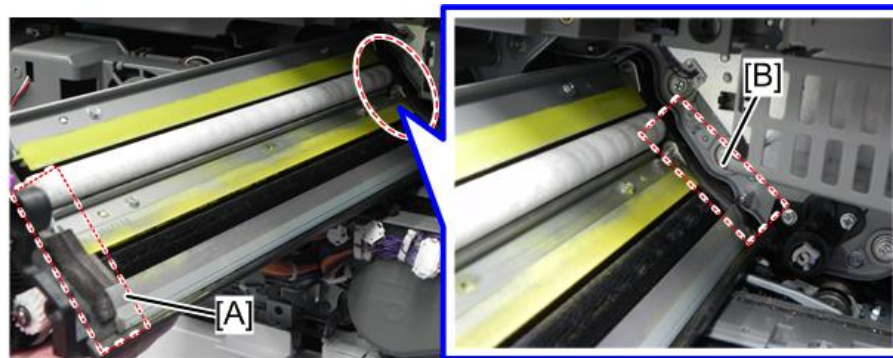
- When re-installing the ITB cleaning unit in the machine, pay attention to the following.
- Ensure that the lock lever is unlocked.

- Lift and set the ITB cleaning unit to put the two positioning pins into the unit.



d257a4502

- Do not peel off the side seals [A]. Take care not to touch the side seals [A] and the plate [B], because the side seals [A] might peel off.



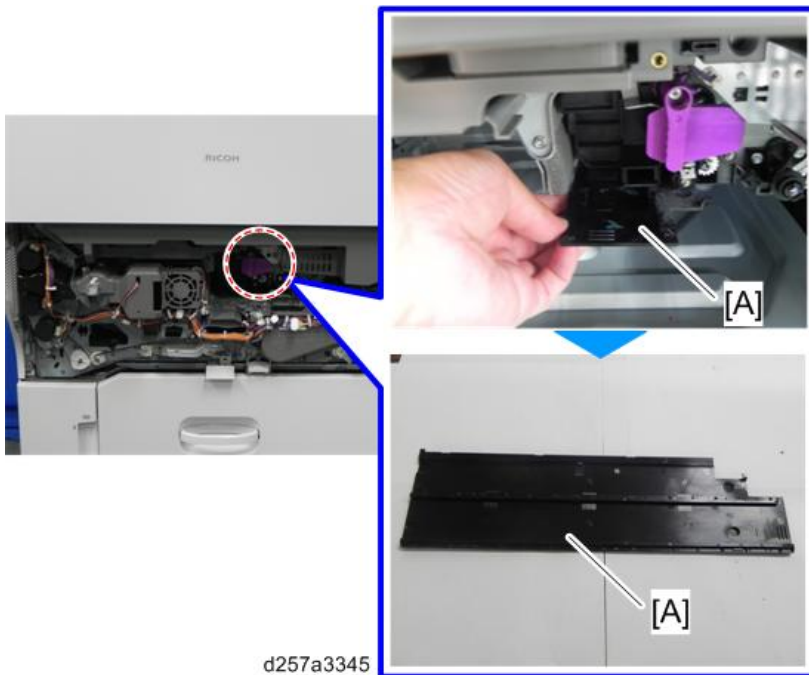
d257a4503

Bottom Cover

1. Remove the ITB cleaning intake fan. (ITB Cleaning Intake Fan)
2. Pull the bottom cover [A] to remove it.

4.Replacement and Adjustment

3. Clean the bottom cover [A].

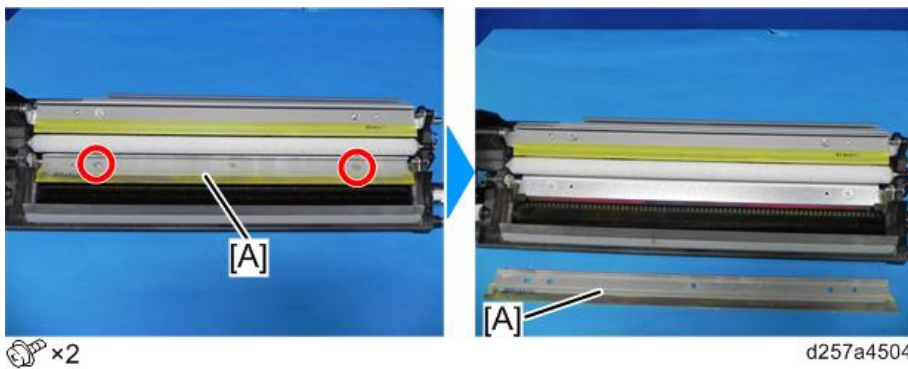


ITB Cleaning Blade

Note

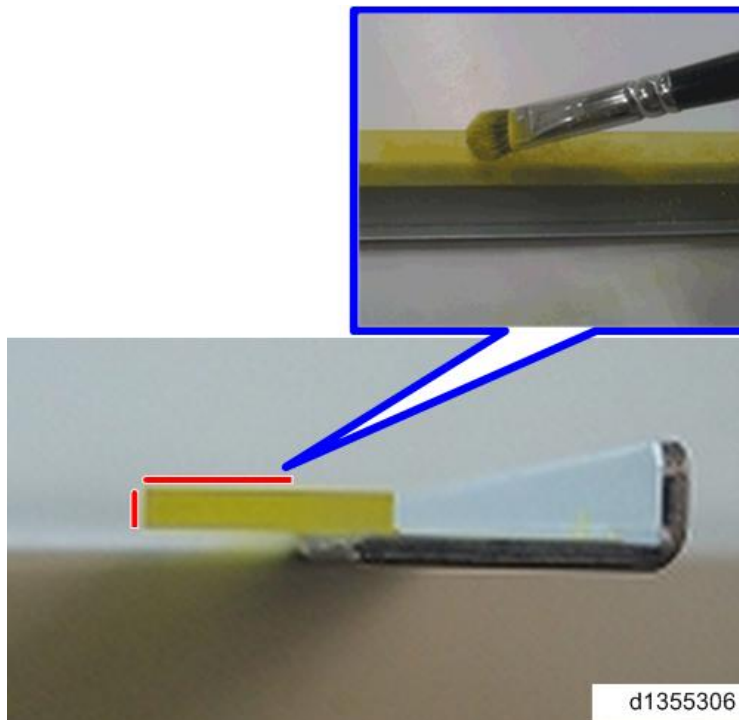
- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. Pull the ITB cleaning unit out. (ITB Cleaning Unit)
2. Remove the ITB cleaning blade [A].

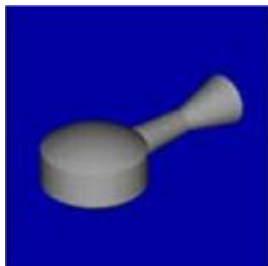


Note

- Use a brush to apply yellow toner (D0149500) evenly on the faces of the new blade shown below with red lines before installing it.



- Use the blower brush (D0747690) when applying yellow toner to the new ITB cleaning blade.



d135a3512

ITB Lubricant Brush

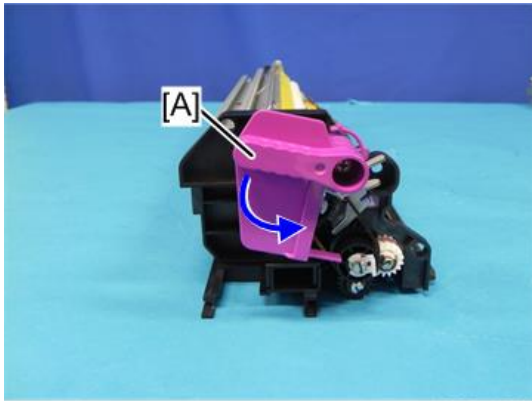
Note

- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

- 1.** Pull the ITB cleaning unit out. ([ITB Cleaning Unit](#))

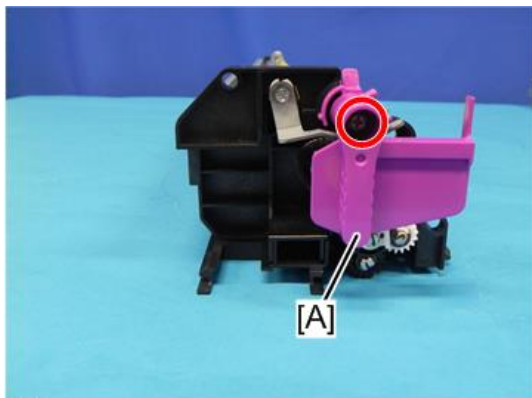
4.Replacement and Adjustment

2. Rotate the lock lever [A] in the arrowed direction as shown below.



d257a4505

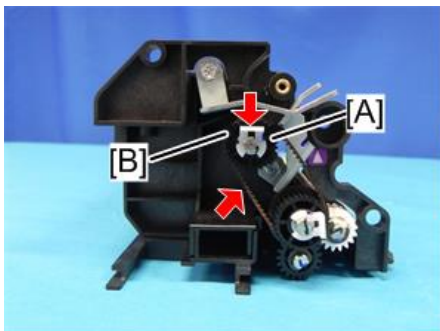
3. Remove the lock lever [A].



 x1

d257a4506

4. Remove the gear [A] and bearing [B].

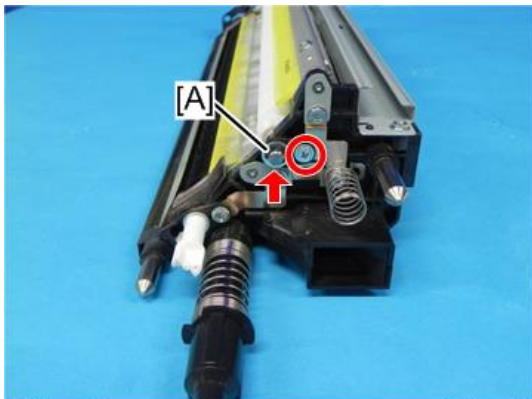


 x1  x1



d257a4507

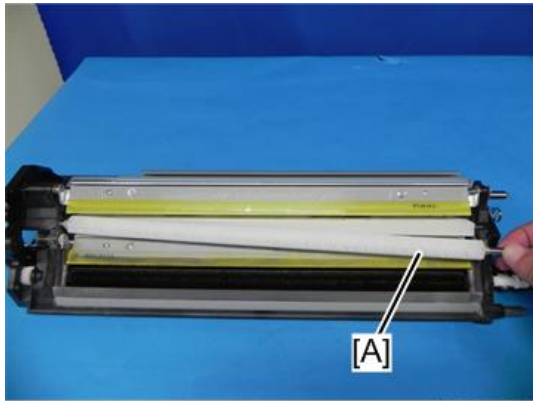
5. Remove the bearing [A] (including the spacer).



 x1  x1

d257a4508

6. Remove the ITB lubricant brush [A].



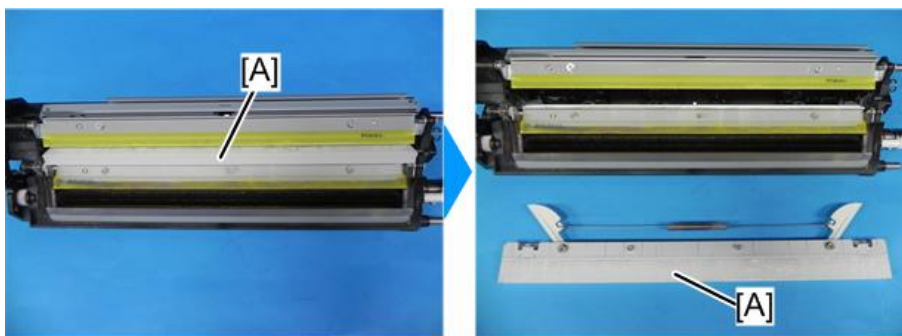
d257a4509

ITB Lubricant Bar

Note

- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. Remove the ITB lubricant brush. (ITB Lubricant Brush)
2. Detach the ITB lubricant bar [A] from the ITB cleaning unit.



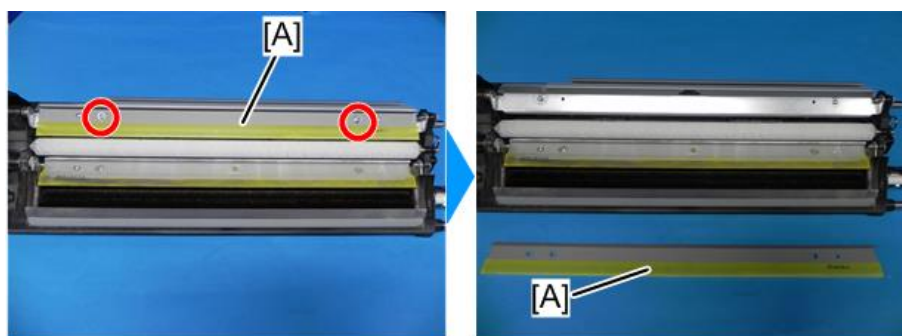
d257a4510

ITB Lubricant Blade

Note

- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. Pull the ITB cleaning unit out. (ITB Cleaning Unit)
2. Remove the ITB lubricant blade [A].



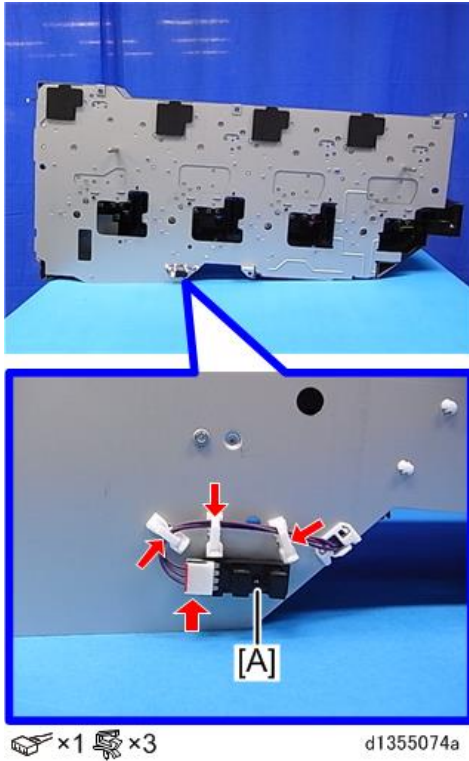
 x2

d257a4511

4.Replacement and Adjustment

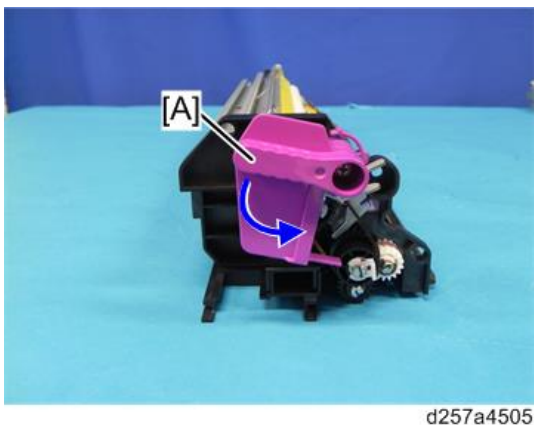
ITB Cleaning Unit Set Sensor

1. Remove the toner supply unit. (Toner Supply Unit)
2. Remove the ITB cleaning unit set sensor [A].

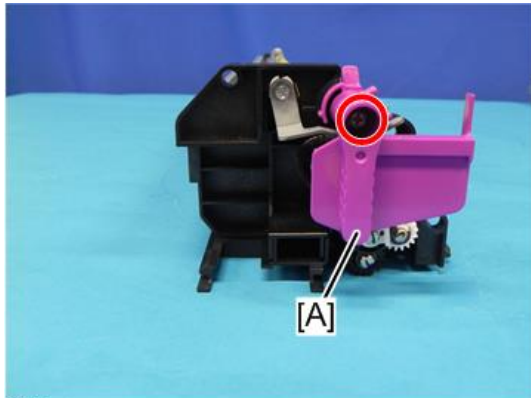


ITB Paper Dust Cleaning Brush Roller

1. Pull the ITB cleaning unit out. (ITB Cleaning Unit)
2. Rotate the lock lever [A] in the arrowed direction as shown below.



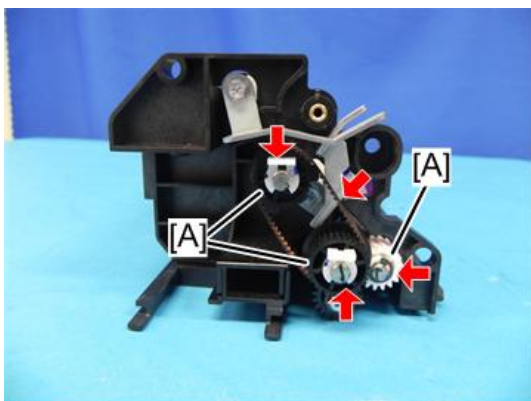
- 3.** Remove the lock lever [A].






 x1

d257a4506

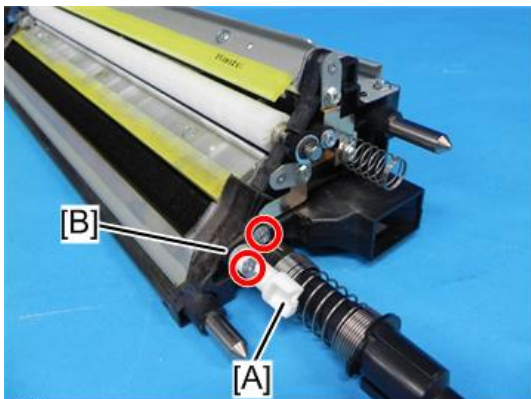
- 4.** Remove the gears [A].



 x2  x1  x1

d257a4512

- 5.** Remove the coupling [A] and the bearing [B] (including the spacer).



 x2

d257a4515

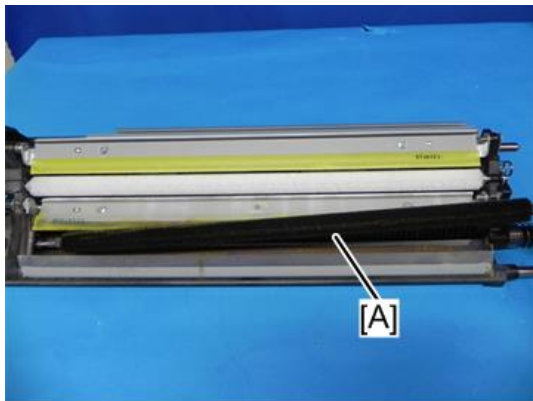
4.Replacement and Adjustment

- 6.** Remove the bearing [A] that has the side seal.



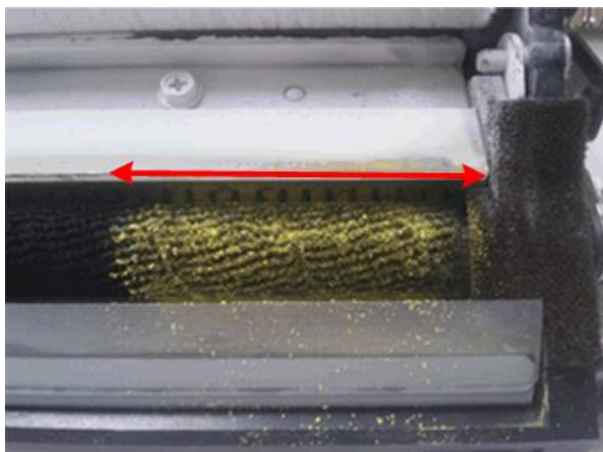
d257a4513

- 7.** Remove the ITB paper dust cleaning brush roller [A].



d257a4514

- 8.** Install the new cleaning brush roller and then use a brush to apply zinc stearate (D0149501) and yellow toner (D0149500) in an area 40 ~ 50 mm wide (shown below) on the installed cleaning brush roller.



d1355304b

Note

- Use the blower brush (D0747690) when applying zinc stearate and yellow toner to the cleaning brush roller.



d135a3512

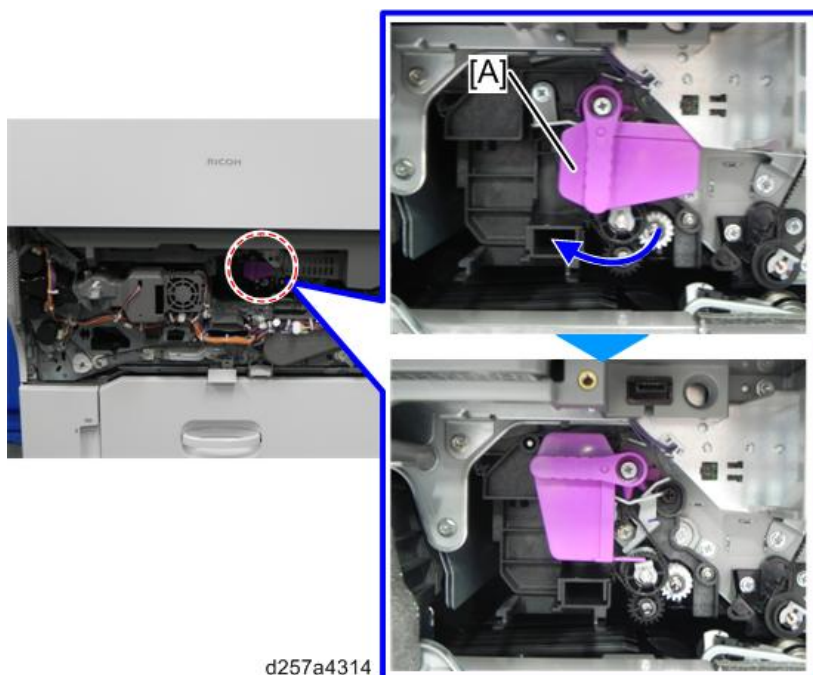
Lubrication after Replacement

After the replacement of the ITB cleaning unit or its components (ITB cleaning blade, Lubricant bar, ITB lubricant blade), you should follow these steps below to lubricate:

- 1.** Turn ON the machine, and enter the SP mode. Then push the PM parts counter reset button in the PM Parts display (ITB cleaning unit or its components; ITB cleaning blade, lubricant bar, ITB lubricant blade).
- 2.** Turn OFF the machine.
- 3.** Replace the ITB cleaning unit or its components (ITB cleaning blade, lubricant bar, ITB lubricant blade).
- 4.** Attach the faceplate and toner supply unit.

Note

- Do not install the belt cleaning fan yet.
- 5.** Rotate the blade release lever to move the cleaning blade away from the ITB.



d257a4314

- 6.** Attach the drawer unit cover.
- 7.** Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))

4.Replacement and Adjustment

8. Pull out (open) the drawer unit.

9. Keep the drawer unit open, and then turn ON the machine main power.

Note

- The automatic adjustment will not be performed when the machine is turned ON, since the drawer unit is pulled out/opened.

10. Enter the SP mode and choose SP2-696-001 (Force Apply Lubricant Execute).

11. Push [Execute] on the operation panel and then push the drawer unit into the machine.

Note

- When the drawer unit is pushed into the machine, lubrication starts automatically. This operation takes about 3 minutes to complete.

12. Turn OFF the machine when the lubrication finishes (the machine stops).

13. Withdraw the drawer unit and rotate the blade release lever in order to make the cleaning blade contact the ITB.

14. Re-install the belt cleaning fan.

15. Re-attach the paper transfer belt unit.

16. Push the drawer unit into the machine.

17. Turn ON the machine.

Note

- The machine will then execute the automatic corrections.

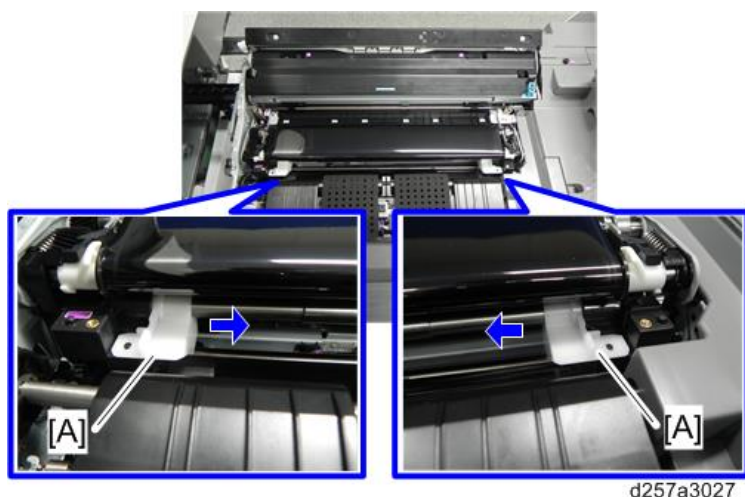
Paper Transfer Belt Unit

Paper Transfer Belt Unit

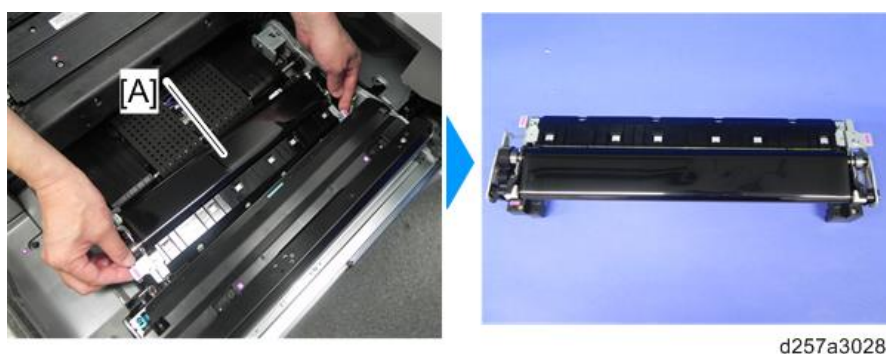
1. Pull the drawer unit out.
2. Remove the exit guide plate.



3. Release the stopper [A].



4. Hold the handles. Remove the paper transfer belt unit [A].



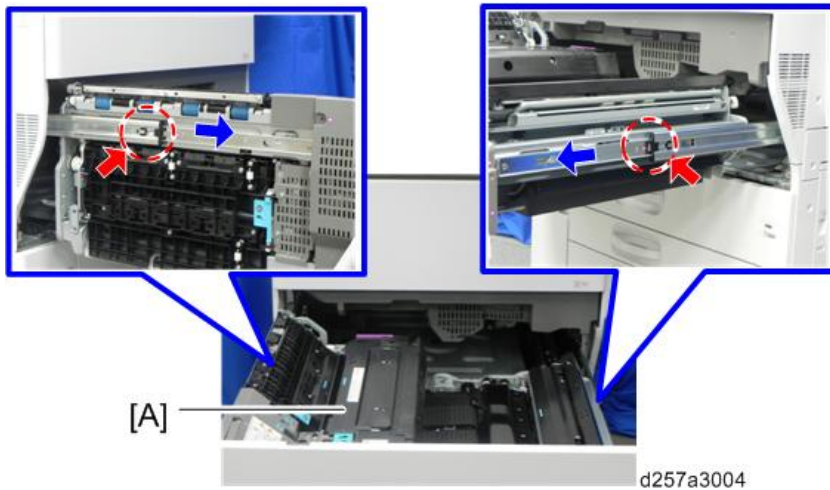
Applying Grease after Replacing the Paper Transfer Belt Unit

When replacing the paper transfer belt unit or when doing the 500K PM, apply grease to the inner diameter of the joint of the unit rotation fulcrum shaft (Grease: Barrierta-S552R).

1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left

4.Replacement and Adjustment

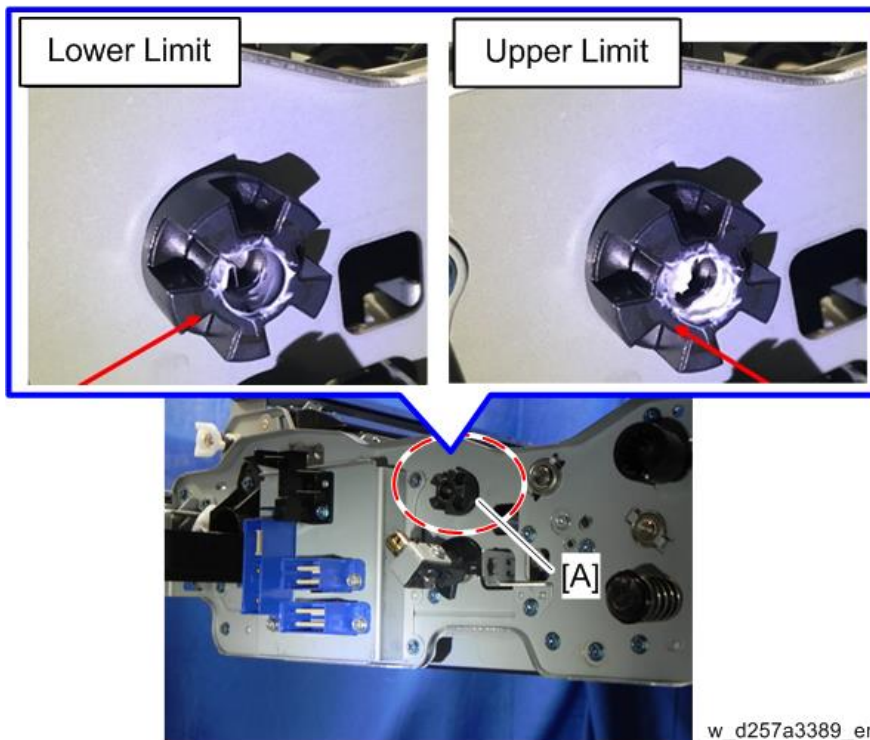
side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



Note

- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Apply the grease to the inner surface of the joint on the right rear side of the drawer unit.



Adjustment of the Paper Transfer Belt Unit

When you have replaced the following parts, the position of the paper transfer belt unit must be adjusted with the adjustment jig packed with the main machine accessories.

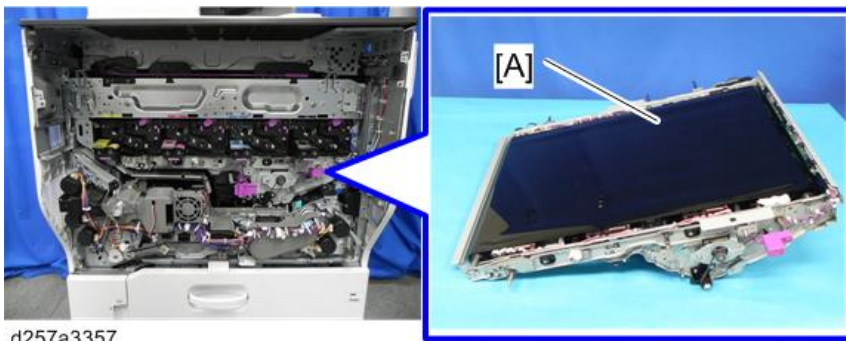
Adjust the paper transfer belt unit after replacing any of these parts

- Drawer Unit [A]



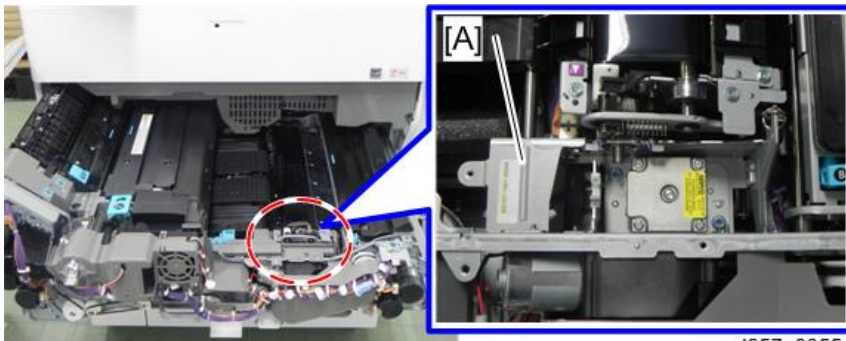
d257a3354

- Image Transfer Belt Unit [A]



d257a3357

- Paper Transfer Belt Bracket [A]

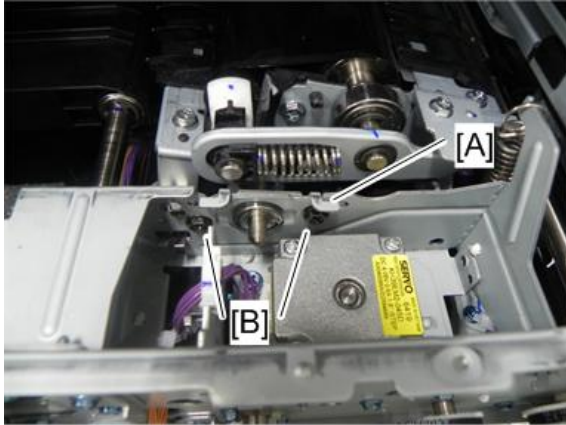


d257a3355

4.Replacement and Adjustment

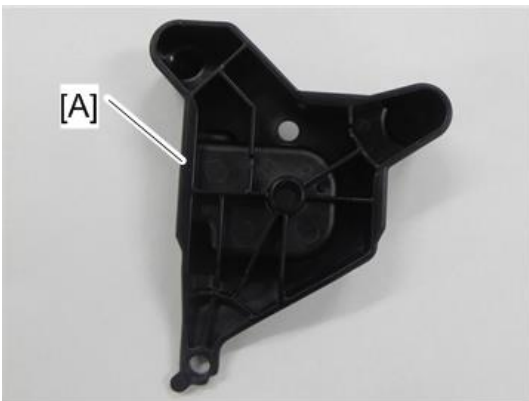
Note

- You also need to adjust the paper transfer belt unit when you have replaced the paper transfer belt adjustment bracket [A]. The adjustment is also required when you have loosened the adjustment screws [B] of the paper transfer belt adjustment bracket.



d257a3356

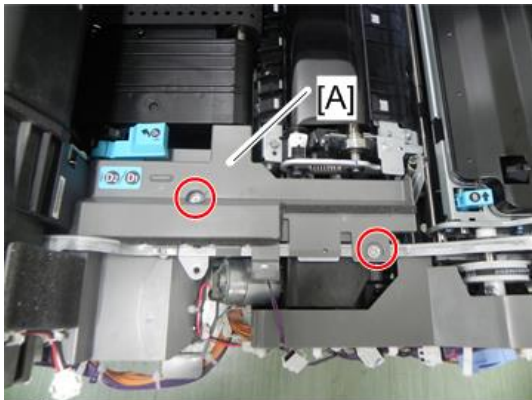
The adjustment jig [A]



d257a8005

Adjustment Procedure (Example: When replacing the paper transfer belt adjustment bracket)

1. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
2. Remove the drawer unit cover. ([Drawer Unit Cover](#))
3. Remove the inner cover [A].

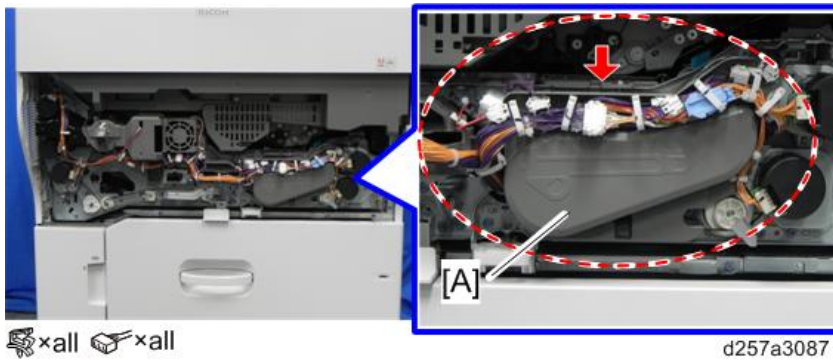


⚙️ x2

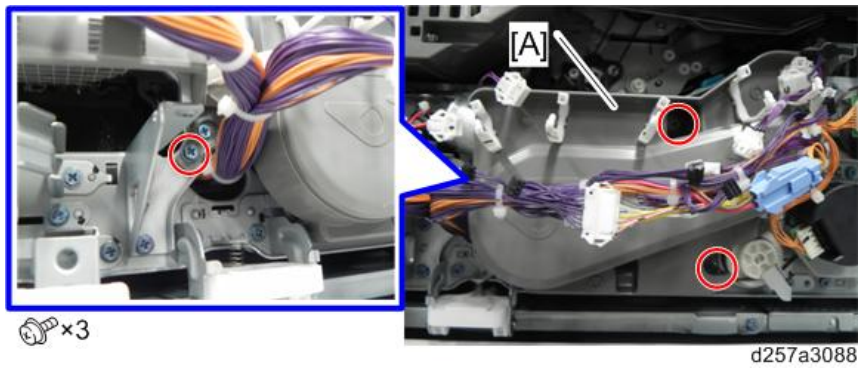
d257a8012

4. Close the drawer unit.

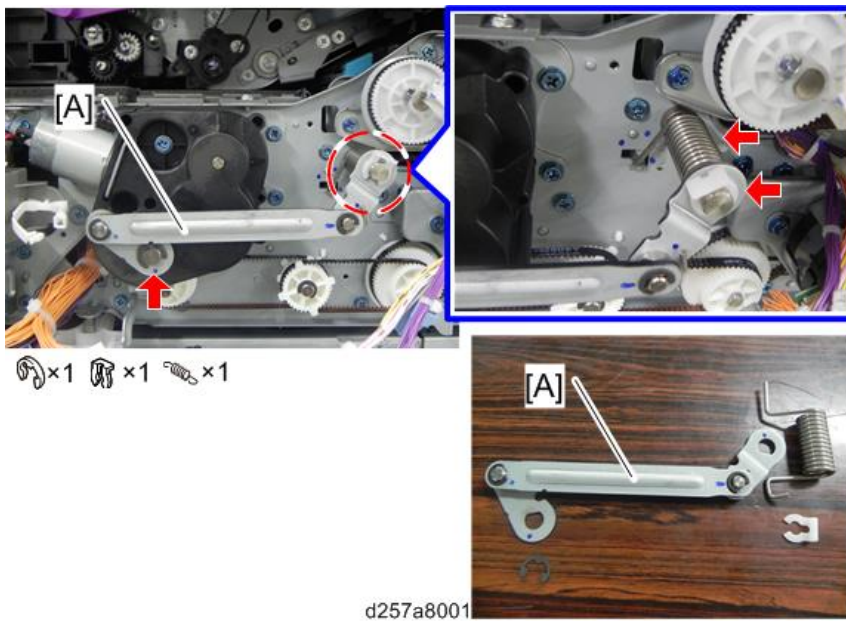
5. Remove the connectors and clamps to take out the drawer unit lock motor cover [A].



6. Remove the drawer unit lock motor cover [A].

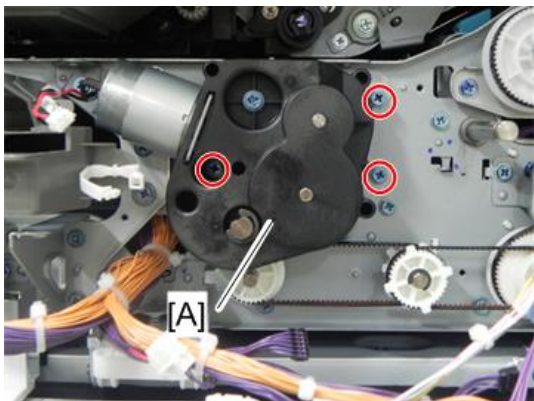


7. Remove the link [A].



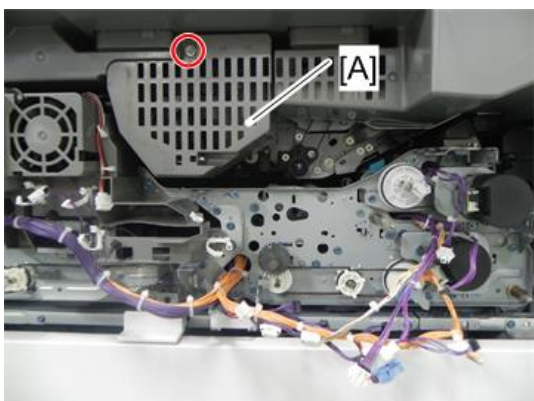
4.Replacement and Adjustment

8. Remove the drawer unit lock motor block [A].



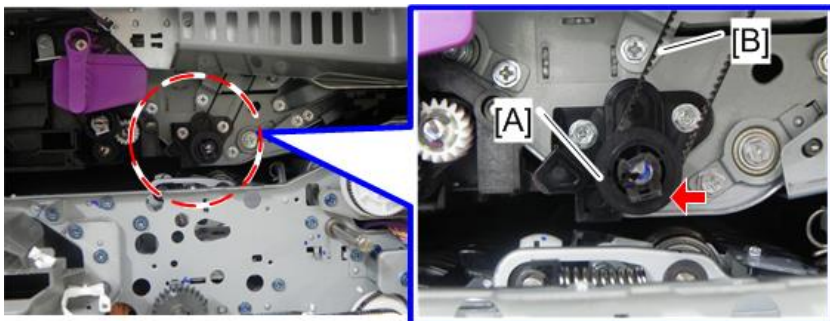
 x3 d257a8002

9. Remove the ITB cleaning intake fan [A] along with the duct.



 x1 d257a8003

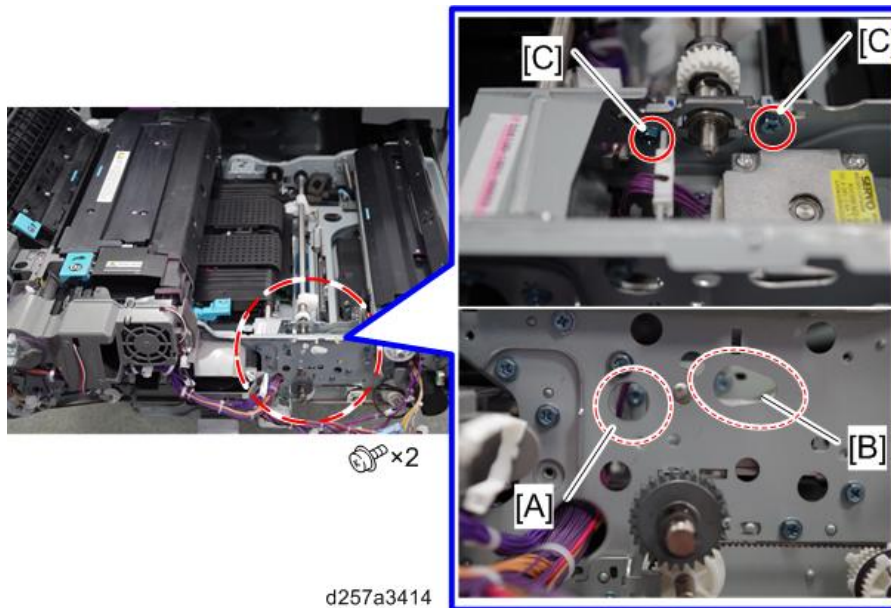
10. Remove the ITB roller drive pulley [A] and the timing belt [B].



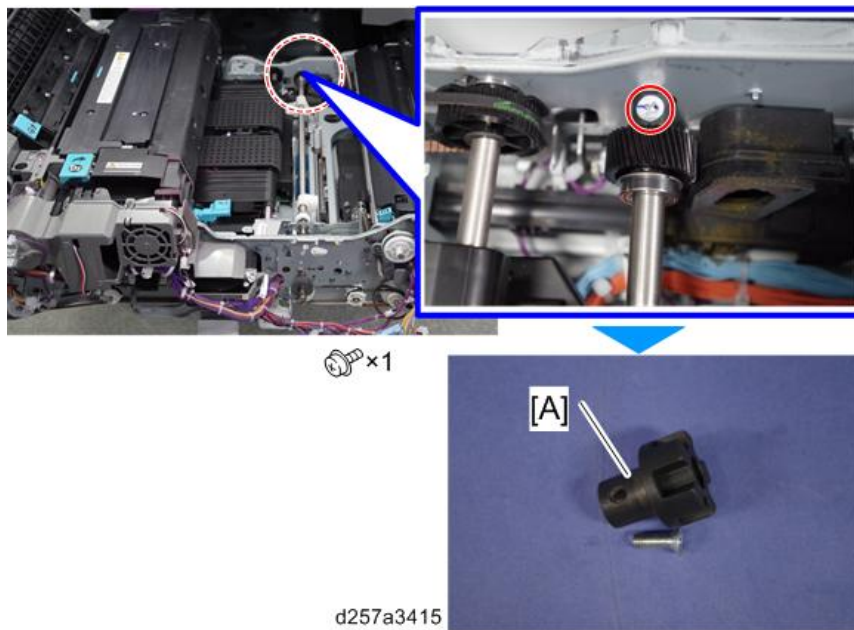
 x1  x1 d257a8004

11. Pull out the drawer unit.

- 12.** Insert a driver into the holes [A] and [B], and remove the adjustment screws [C] and [D] of the paper transfer belt adjustment bracket.

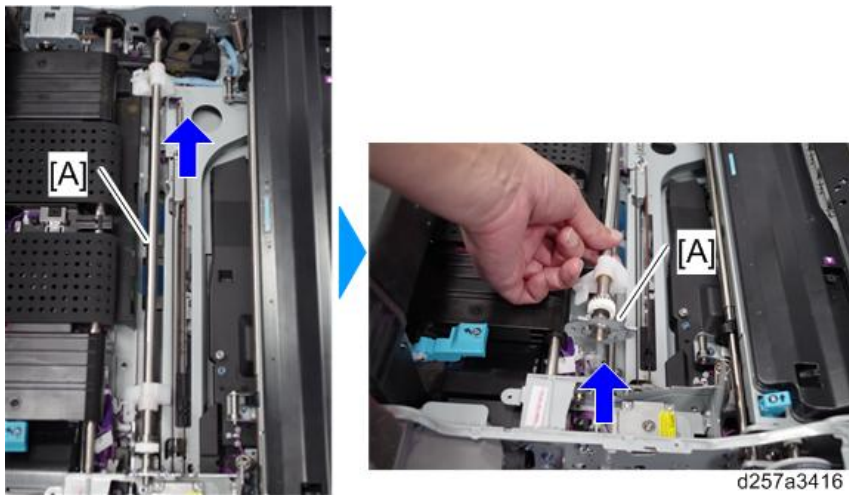


- 13.** Remove the coupling [A] of the paper transfer belt drive shaft.



4.Replacement and Adjustment

- 14.** Remove the paper transfer belt drive shaft [A].

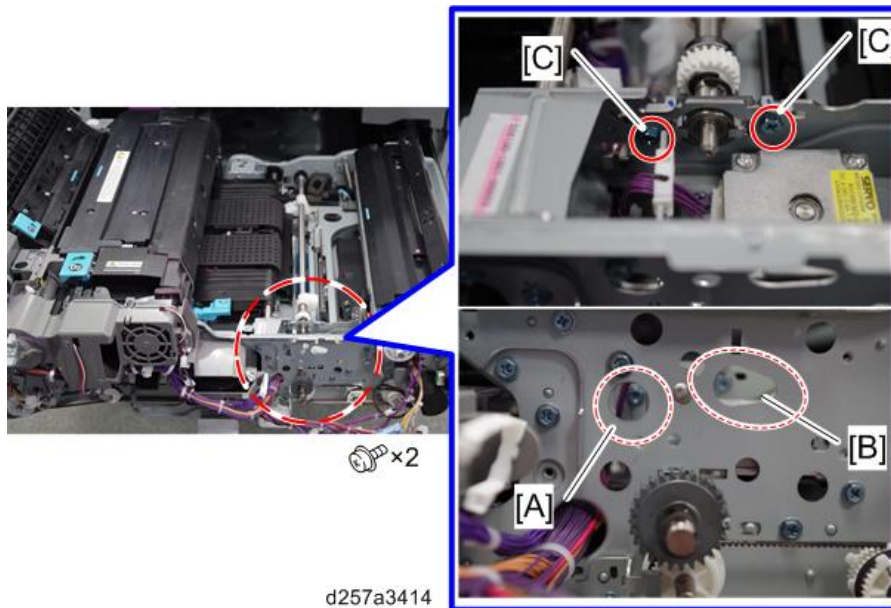


- 15.** Remove the paper transfer belt adjustment bracket [A].

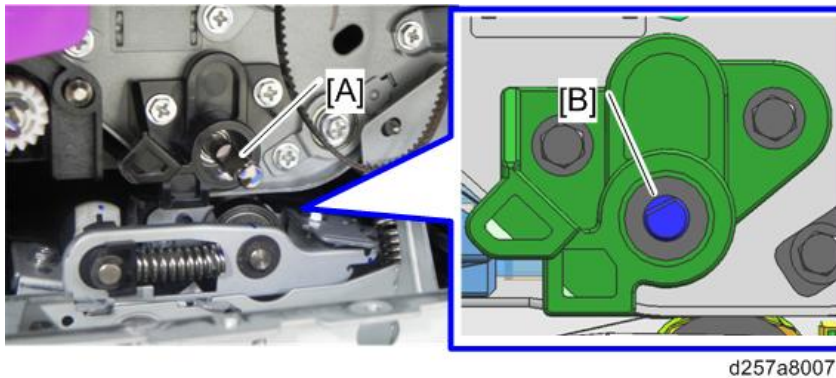


- 16.** Replace the paper transfer adjustment bracket, and attach the new bracket to the paper transfer belt drive shaft.
- 17.** Attach the coupling to the paper transfer belt drive shaft.

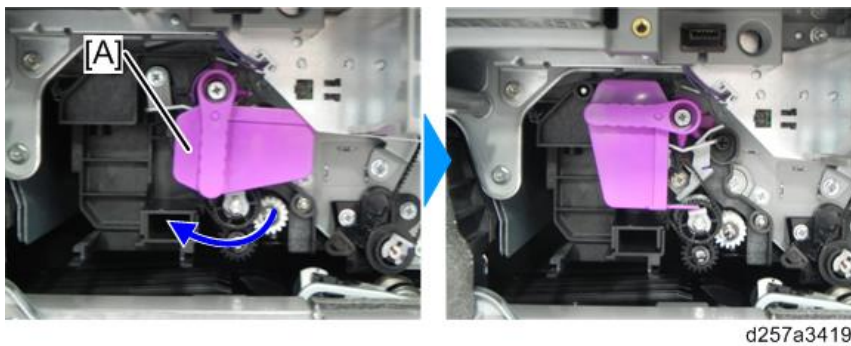
- 18.** Insert a driver into the holes [A] and [B], and loosely attach the adjustment screws [C] and [D] of the paper transfer adjustment bracket.



- 19.** Install the paper transfer belt unit.
20. Close the drawer unit.
21. Rotate the roller shaft [A] to place the straight part [B] of the D-cut to the upper left.

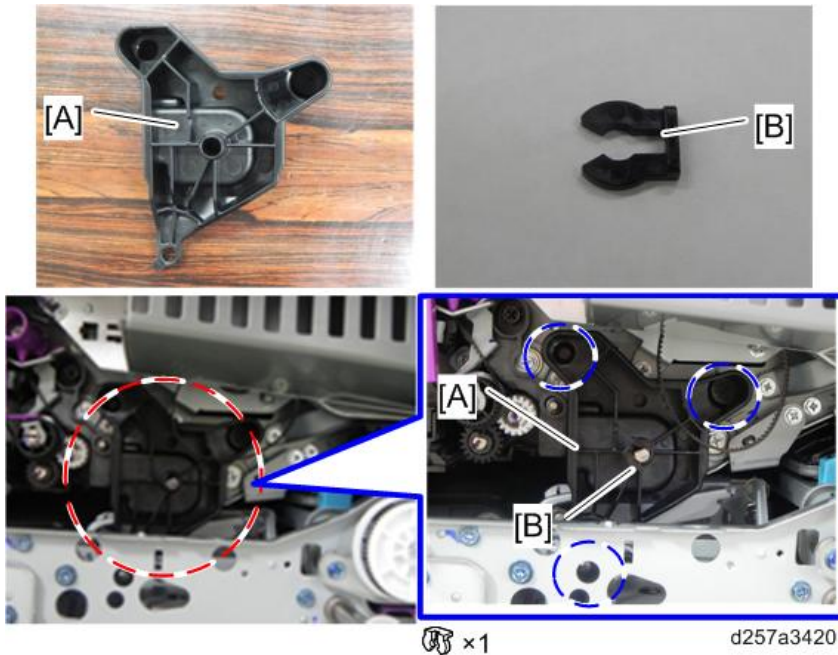


- 22.** Release the lock lever of the ITB cleaning unit.

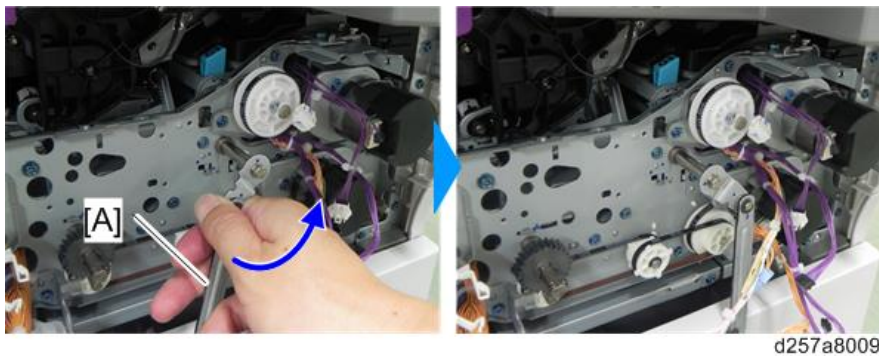


4.Replacement and Adjustment

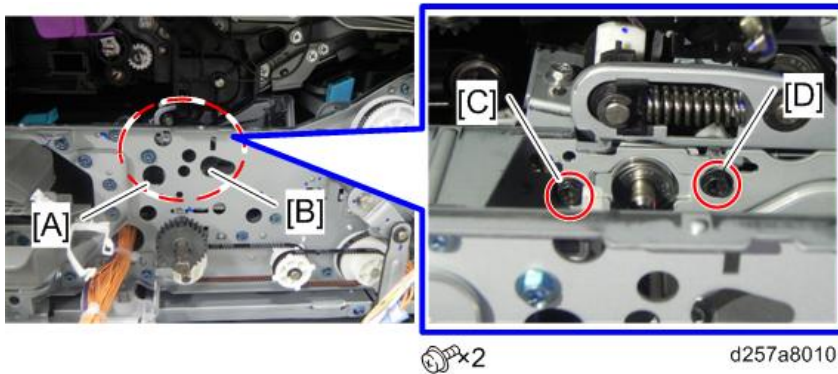
- 23.** Position the three corners (blue circles in the photo) of the adjustment jig [A], and fix it with the clip ring [B].



- 24.** Rotate the paper transfer belt shaft counterclockwise by using the link [A] to make the paper transfer belt unit touch the ITB unit.



- 25.** Insert the driver into the holes [A] and [B] in the bracket, and tighten the adjustment screws [C] and [D] while holding the adjustment jig.



★ Important

- When inserting the driver into the holes, be careful not to be caught by the harness. If the driver is caught by the harness, this could be the cause of defective contact of connectors.

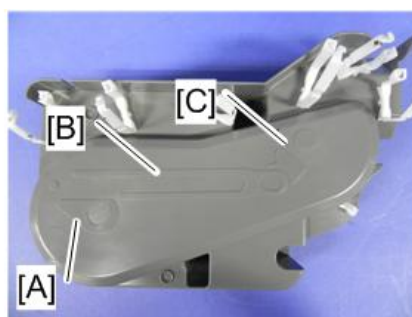
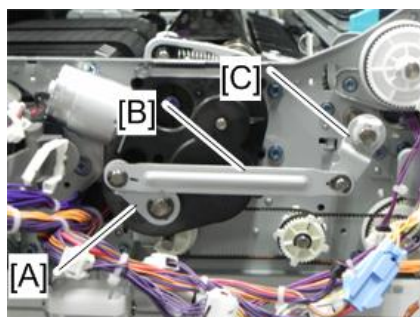
- When tightening the adjustment screws, be careful not to be caught the driver by the surrounding components.
- When tightening the adjustment screws, tighten the screws in the order of [D] and [C] with one hand while holding the adjustment jig with the other free hand.

26. Remove the adjustment jig.

27. Re-install the parts removed in previous steps.

Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
 - Lock shaft (Cut surface to the upper left) [A]
 - Link [B]
 - Paper transfer roller shaft (Cut surface to the lower side) [C]

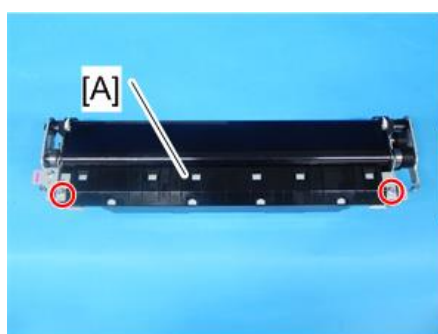


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Belt Unit

Belt Unit (MP C6503/C8003)

- 1.** Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
- 2.** Remove the guide plate [A].



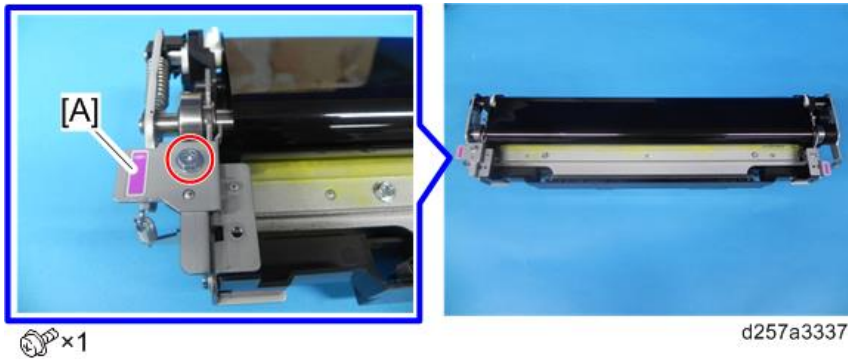
 x2



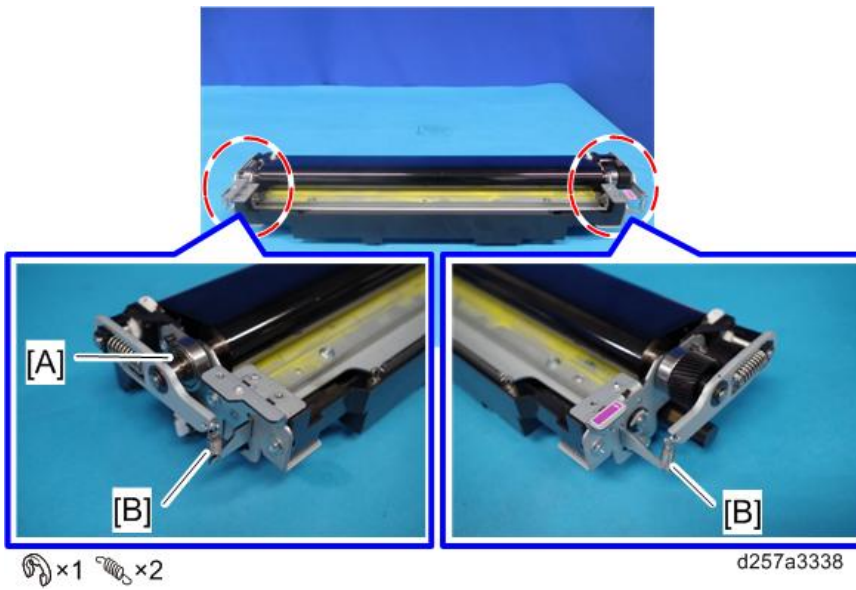
d257a3336

4.Replacement and Adjustment

3. Remove the bracket [A].



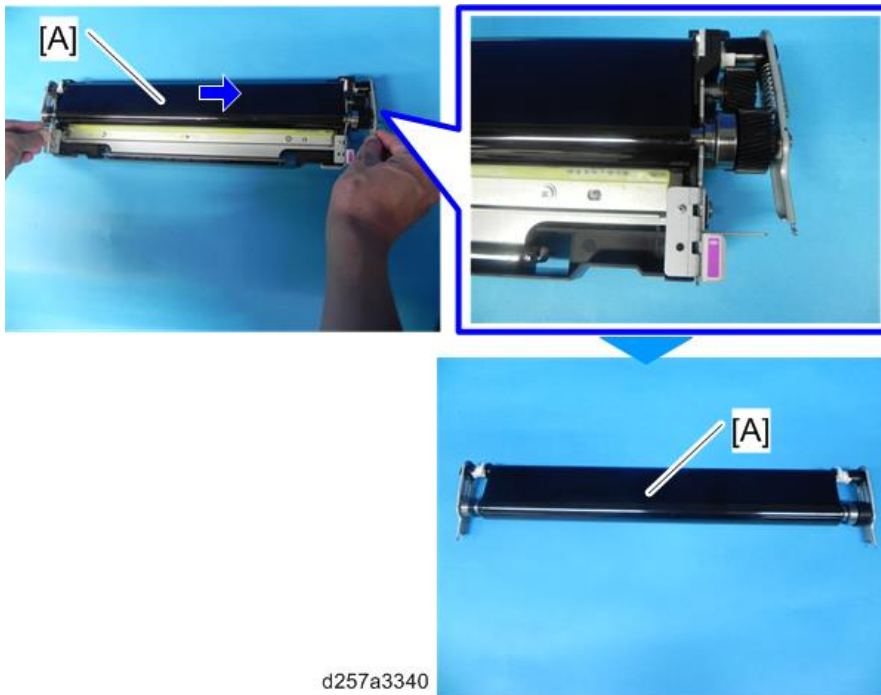
4. Remove the E-ring [A] and springs [B].



5. Slide the bearing [A].

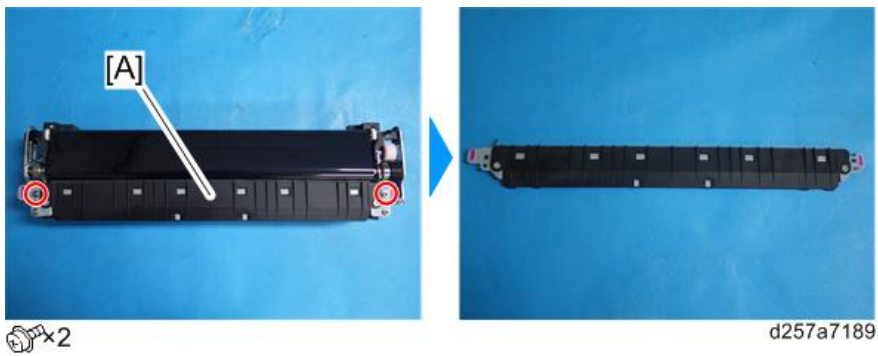


- 6.** Hold the edges on both sides of the belt unit [A], and slide it to remove it.



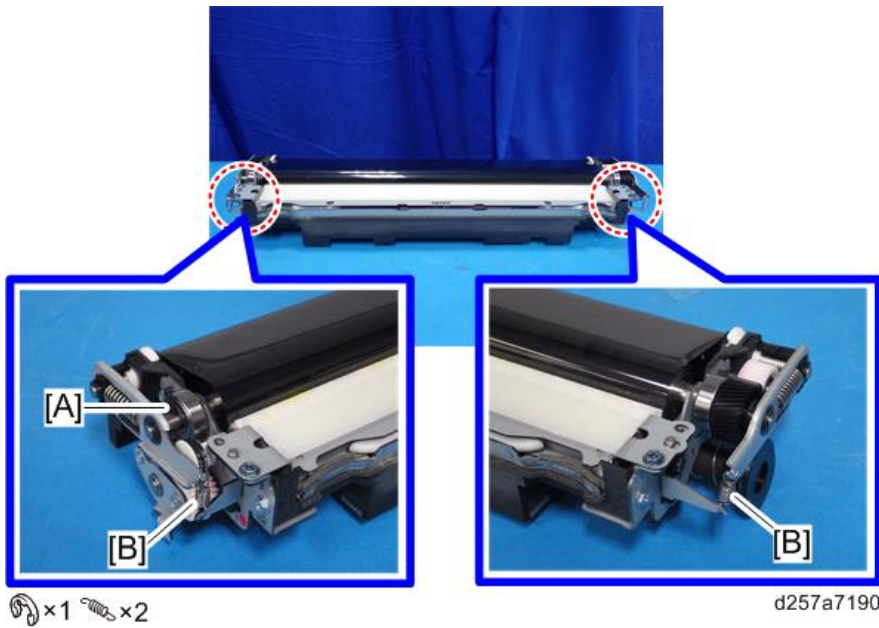
Belt Unit (Pro C5200S/C5210S)

- 1.** Remove the paper transfer belt unit. (Paper Transfer Belt Unit)
2. Remove the guide plate [A].

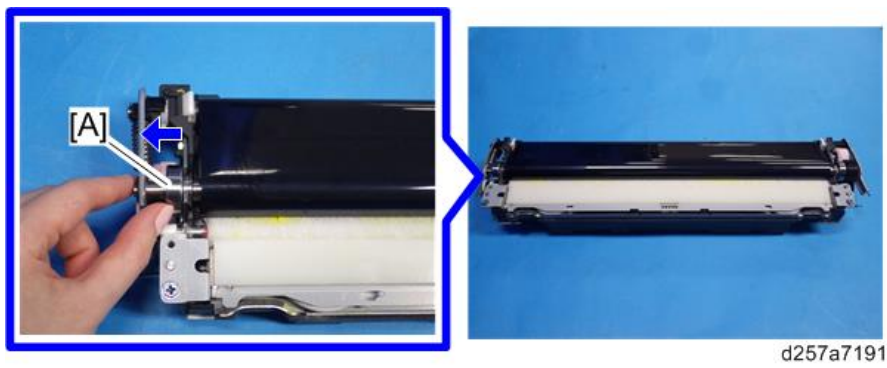


4.Replacement and Adjustment

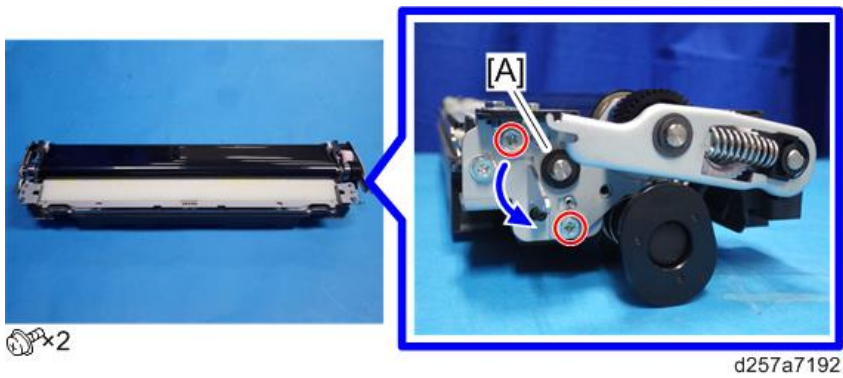
3. Remove the E-ring [A] and springs [B].



4. Slide the bearing [A].

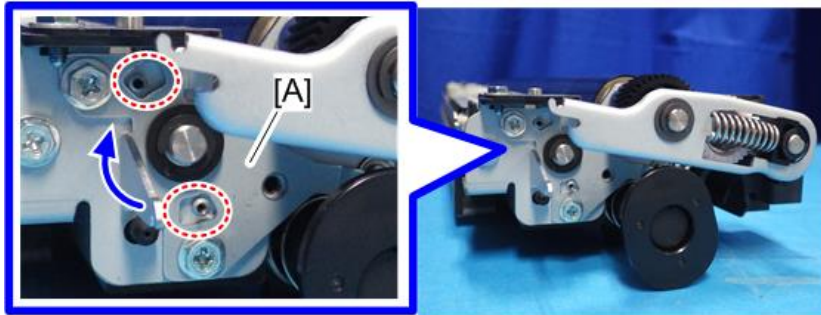


5. Remove the two screws, and then rotate the bracket [A] in the direction of the blue arrow.



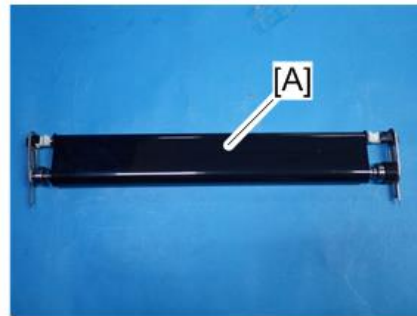
Note

When installing the bracket, make sure that the bracket [A] fits over the embossed part of the paper transfer belt unit. Then rotate the bracket [A] so that the embossed part is at the position shown below.



d257a7201

6. Hold the edges on both sides of the belt unit [A], and slide it to remove it.



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Cleaning Blade

Cleaning Blade (MP C6503/C8003)

1. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
2. Remove the guide plate [A].

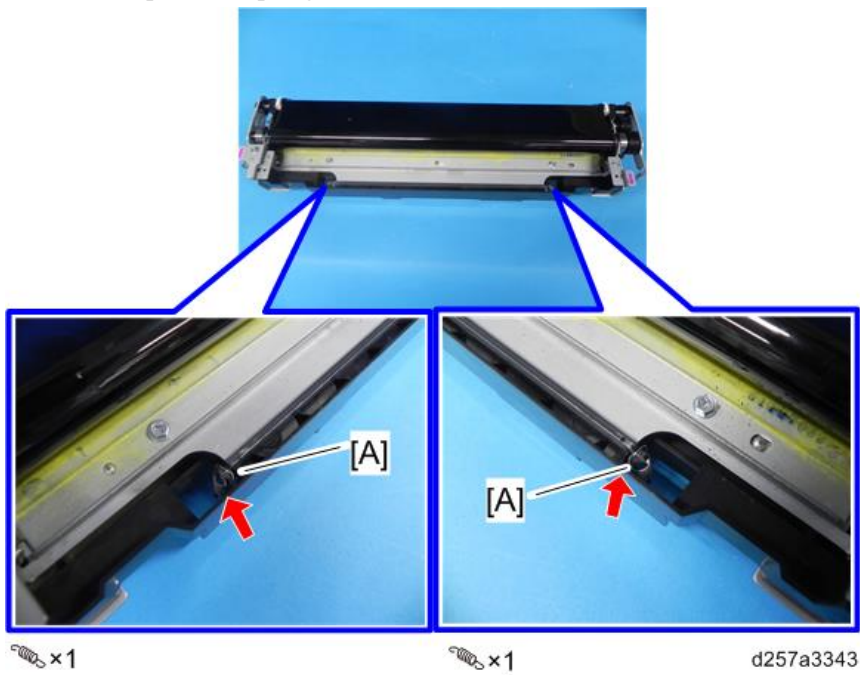


 x2

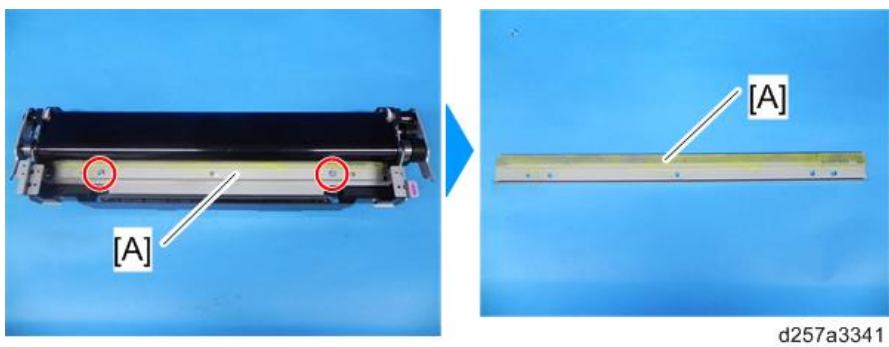
d257a3336

4.Replacement and Adjustment

3. Remove the pressure springs [A].



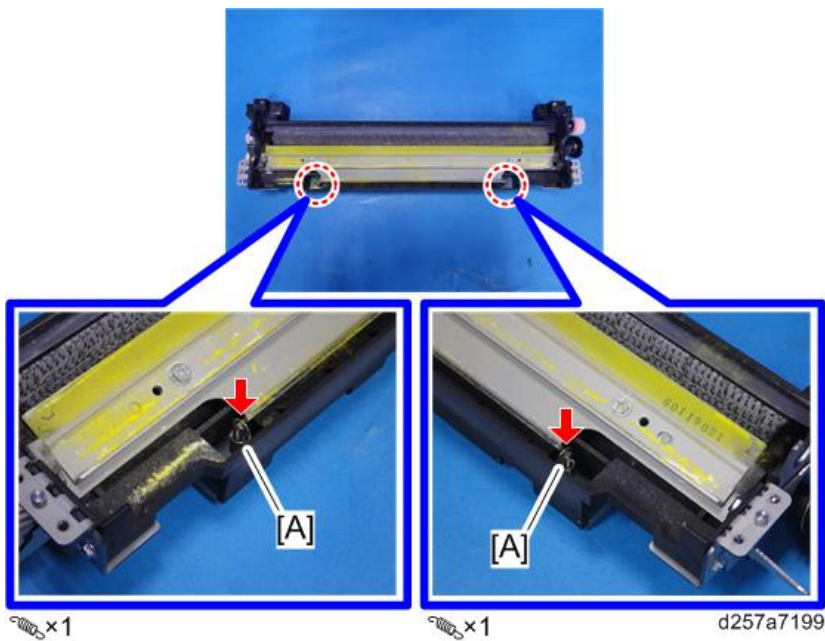
4. Remove the cleaning blade [A].



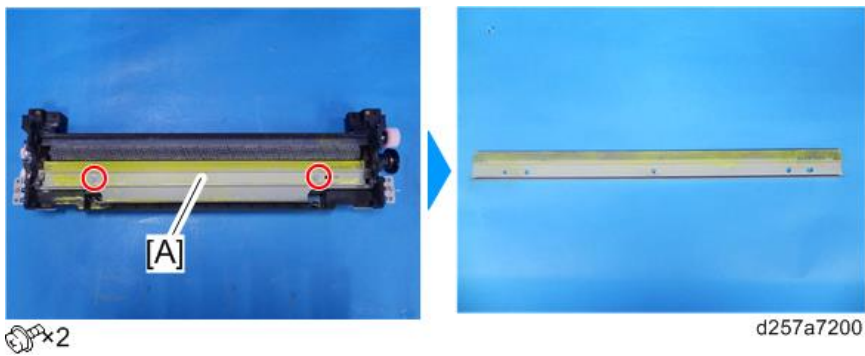
Cleaning Blade (Pro C5200S/C5210S)

1. Remove the paper transfer lubrication roller. ([Paper Transfer Lubrication Roller](#) (Pro C5200S/C5210S Only))

2. Remove the pressure springs [A].

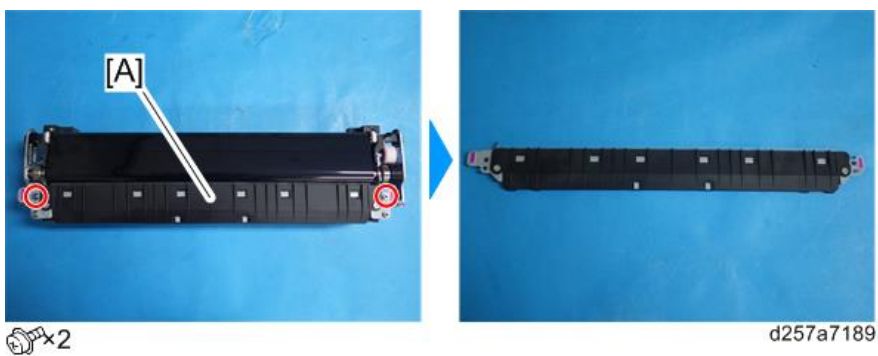


3. Remove the cleaning blade [A].



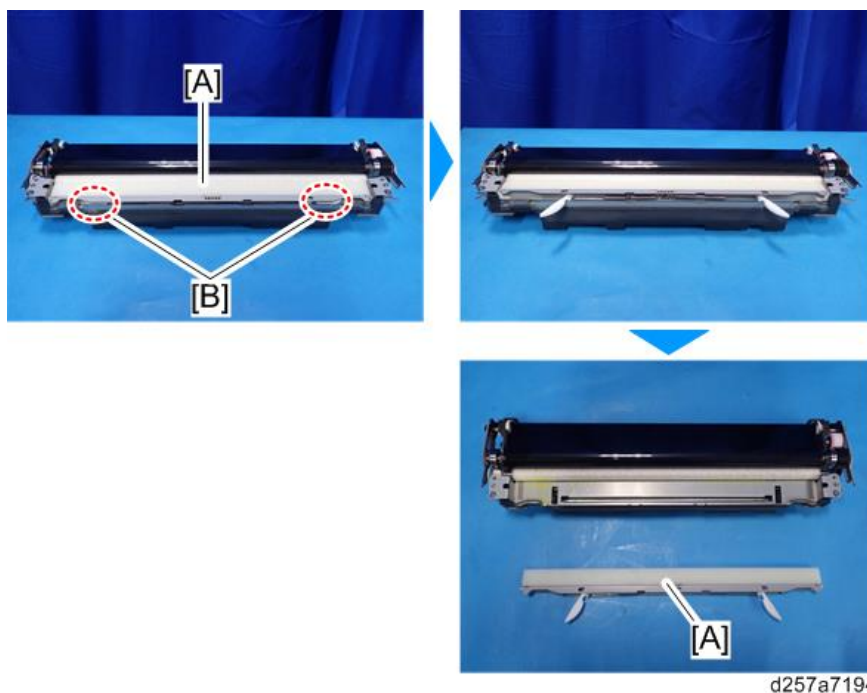
Paper Transfer Lubricant Bar (Pro C5200S/C5210S Only)

1. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
2. Remove the guide plate [A].



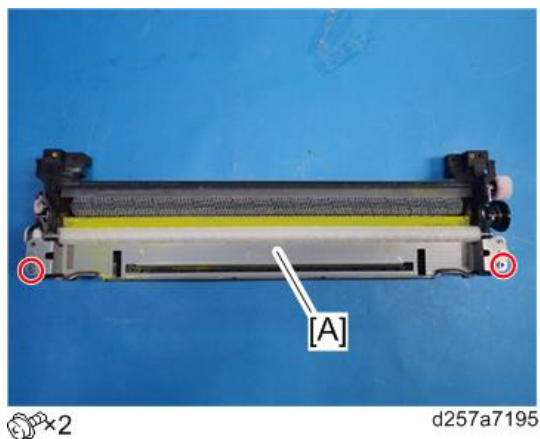
4.Replacement and Adjustment

3. Release the springs [B] of the paper transfer lubricant bar [A], and then remove it.

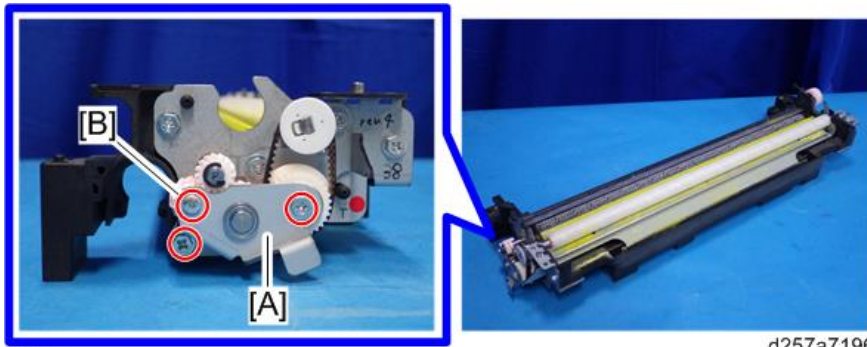


Paper Transfer Lubrication Roller (Pro C5200S/C5210S Only)

1. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
2. Remove the paper transfer lubricant bar. ([Paper Transfer Lubricant Bar \(Pro C5200S/C5210S Only\)](#))
3. Remove the bracket [A].



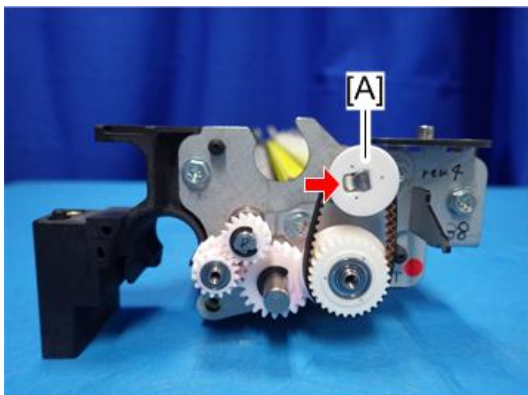
4. Remove the gear bracket [A].



⊕x3

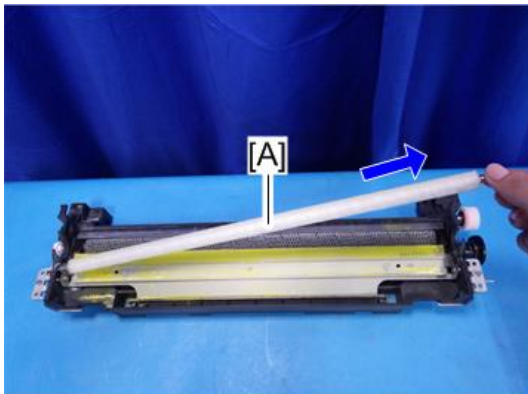
[B]: Round head screw

5. Release the hook, and then remove the gear [A].



⊕x1

6. Remove the paper transfer lubrication roller [A].



Paper Transfer Belt Cooling Fan (Front)

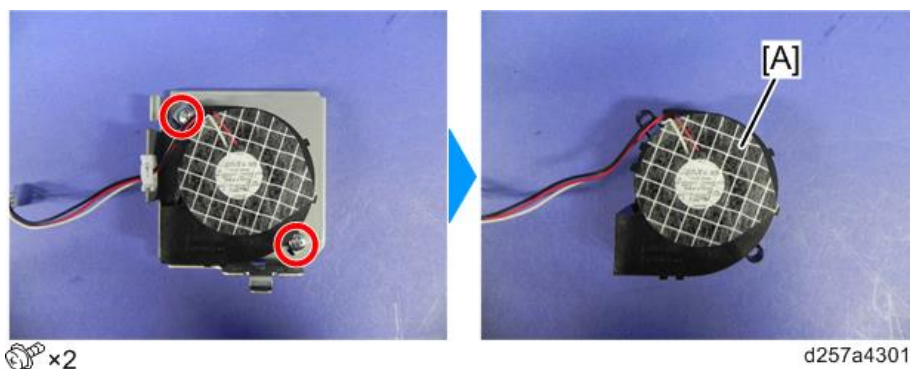
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))

4.Replacement and Adjustment

2. Remove the paper transfer belt cooling fan (front) [A] with the bracket.

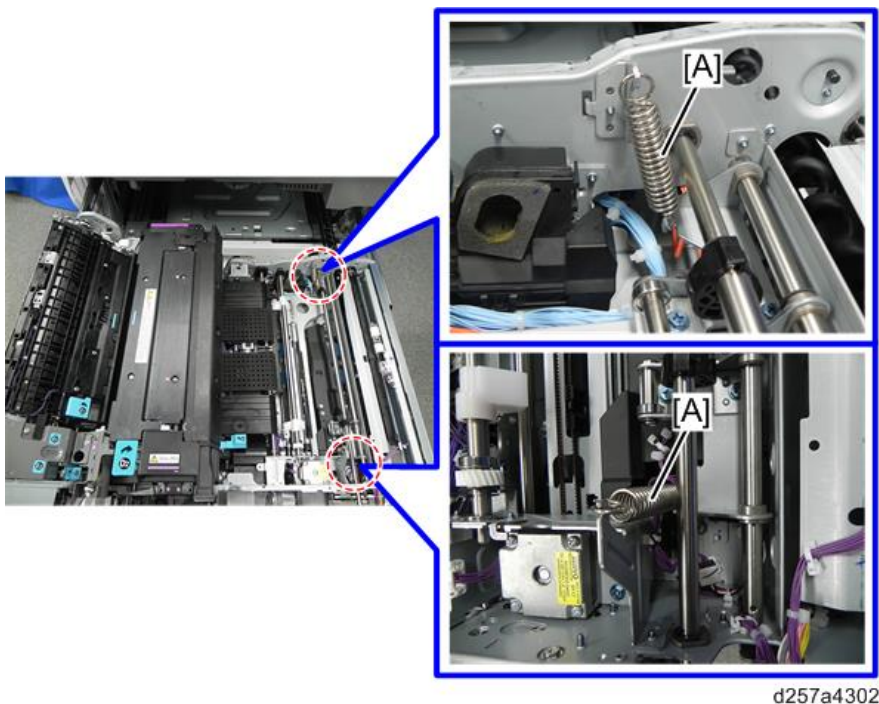


3. Remove the paper transfer belt cooling fan (front) [A].

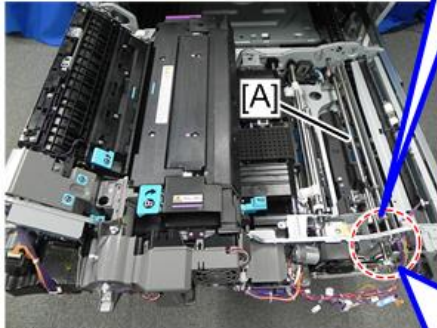


Paper Transfer Belt Cooling Fan (Rear)

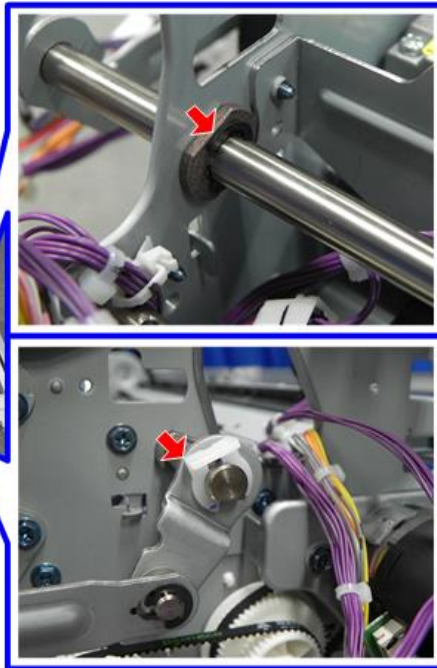
1. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
2. Remove the registration unit. ([Registration Unit](#))
3. Remove the spring [A].



4. Remove the shaft [A].

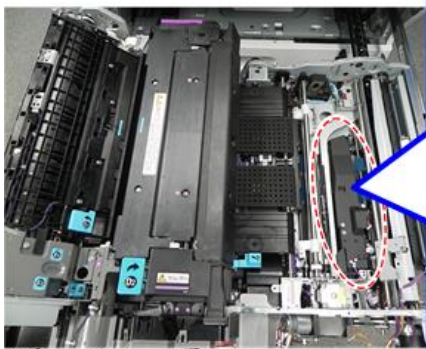


⊖ ×1 ⊕ ×1

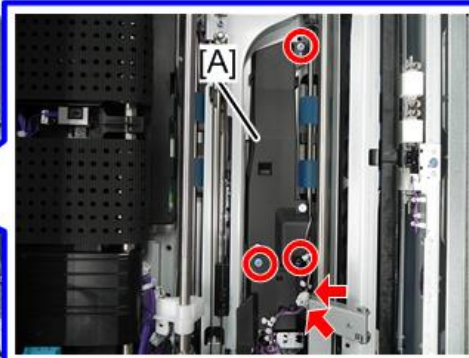


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5. Remove the duct [A].



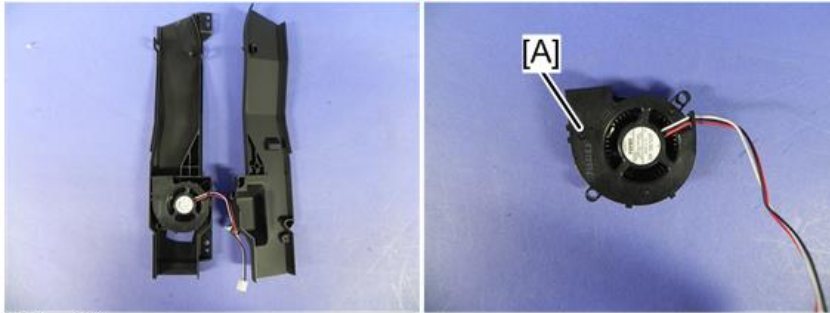
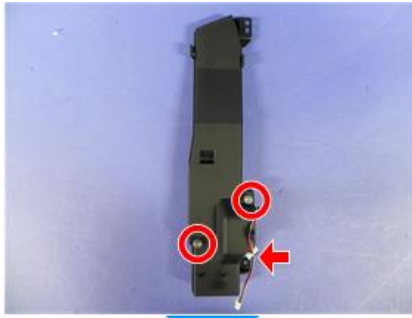
⊖ ×3 ⊕ ×1 ⊕ ×1





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4.Replacement and Adjustment

- 6.** Remove the paper transfer belt cooling fan (rear) [A].



 x2  x1

d257a4305

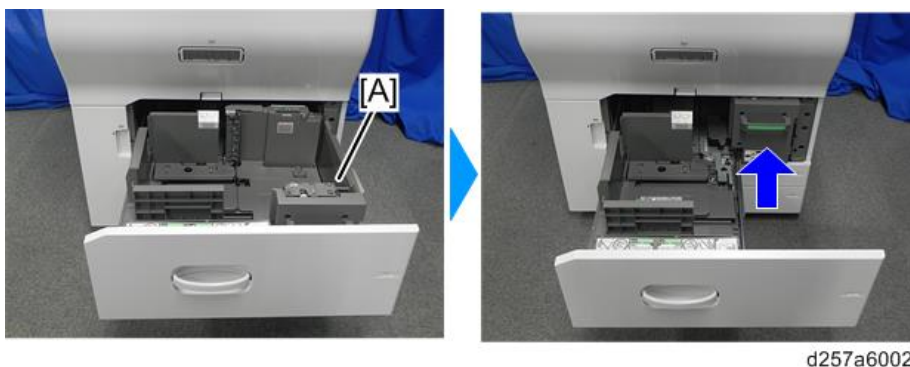
Tandem Tray

Left Tandem Tray, Right Tandem Tray

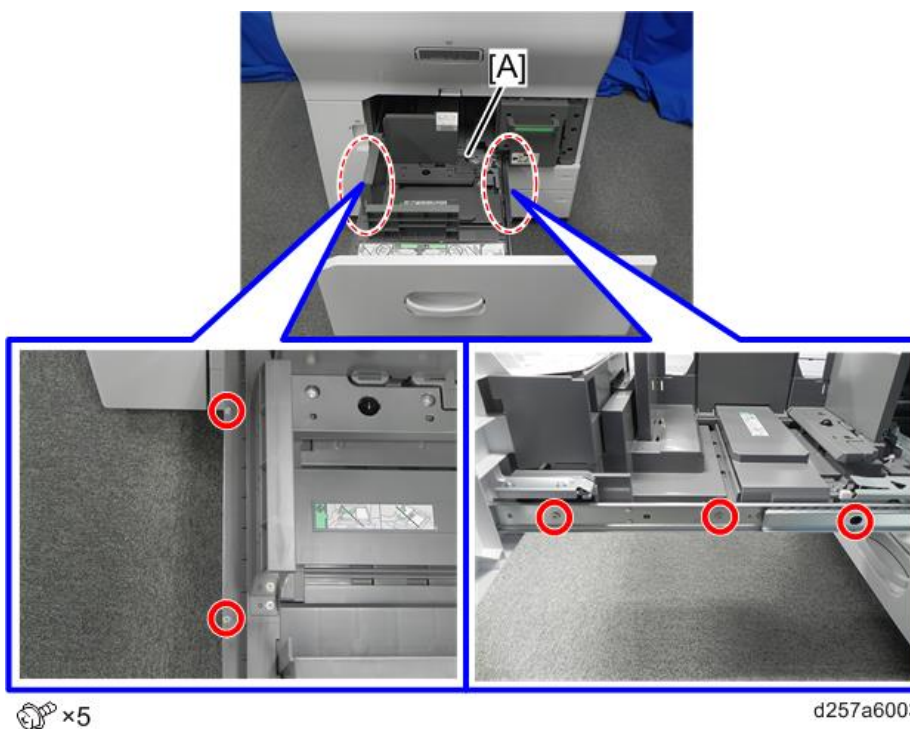
1. Pull out paper tray 1 [A].



2. Push the right tandem tray [A] into the machine.

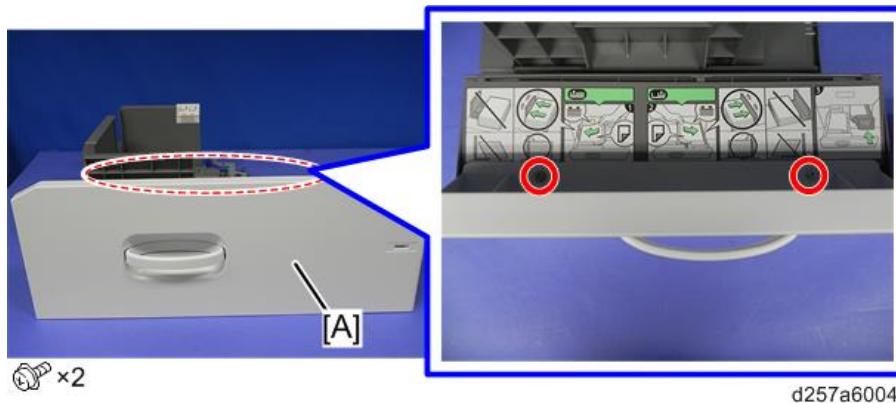


3. Remove the left tandem tray [A] (M3 x 8; on the left side, shoulder screws; on the right side).

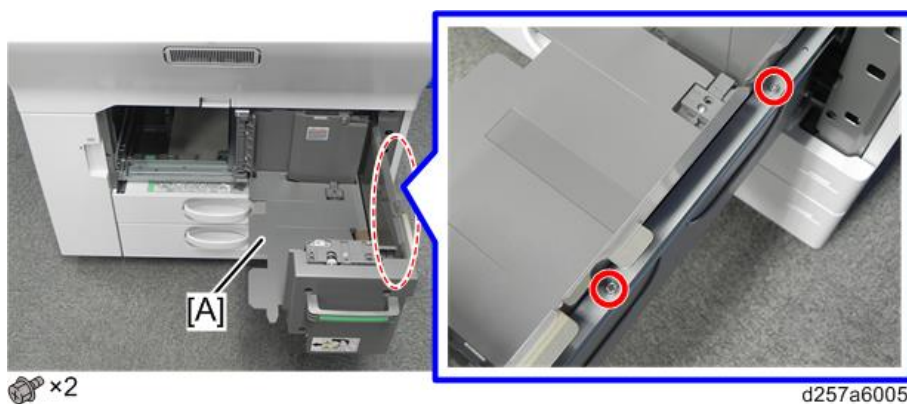


4.Replacement and Adjustment

4. Remove the front cover [A] from the left tandem tray.



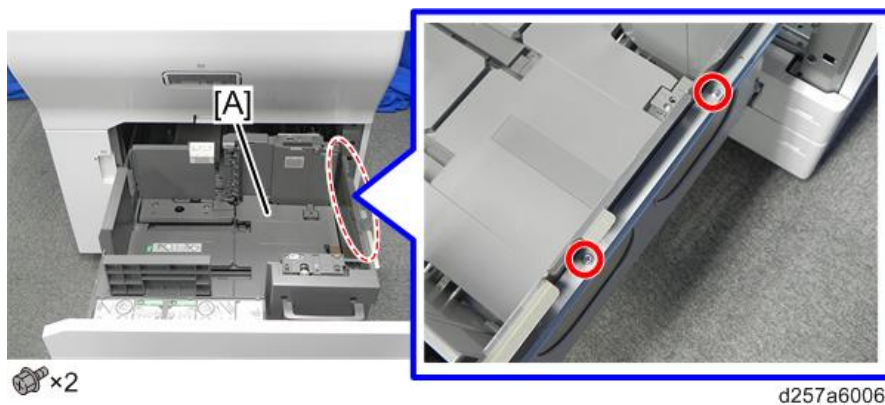
5. Pull out the right tandem tray [A] and remove it.*



* Pro C5200S/C5210S use TCRU/ORU screws

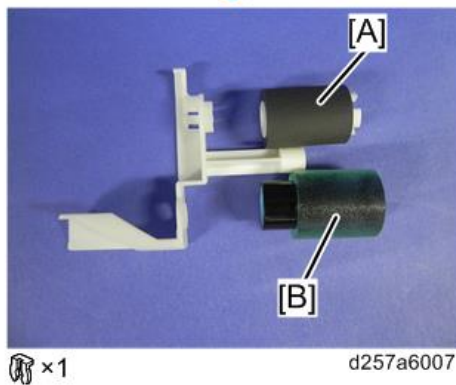
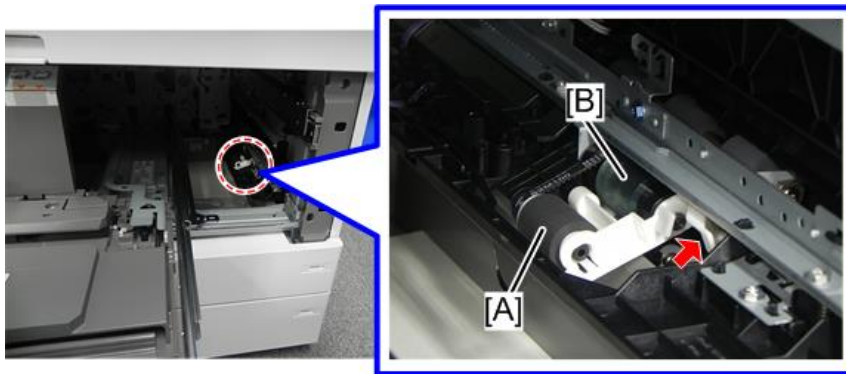
Feed Roller, Pick-up Roller and Separation Roller

1. Pull out the paper tray 1.
2. Remove the right side of the tray [A].*

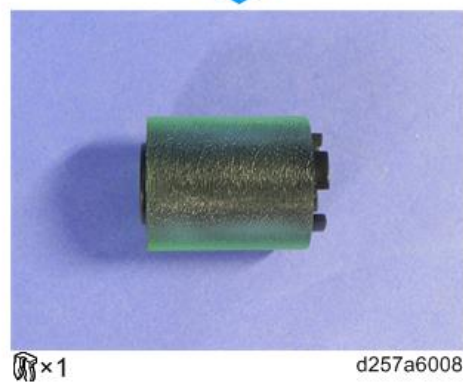


* Pro C5200S/C5210S use TCRU/ORU screws

- 3.** Remove the pick-up roller [A] and feed roller [B].



- 4.** Open the vertical transport door and remove the separation roller [C].

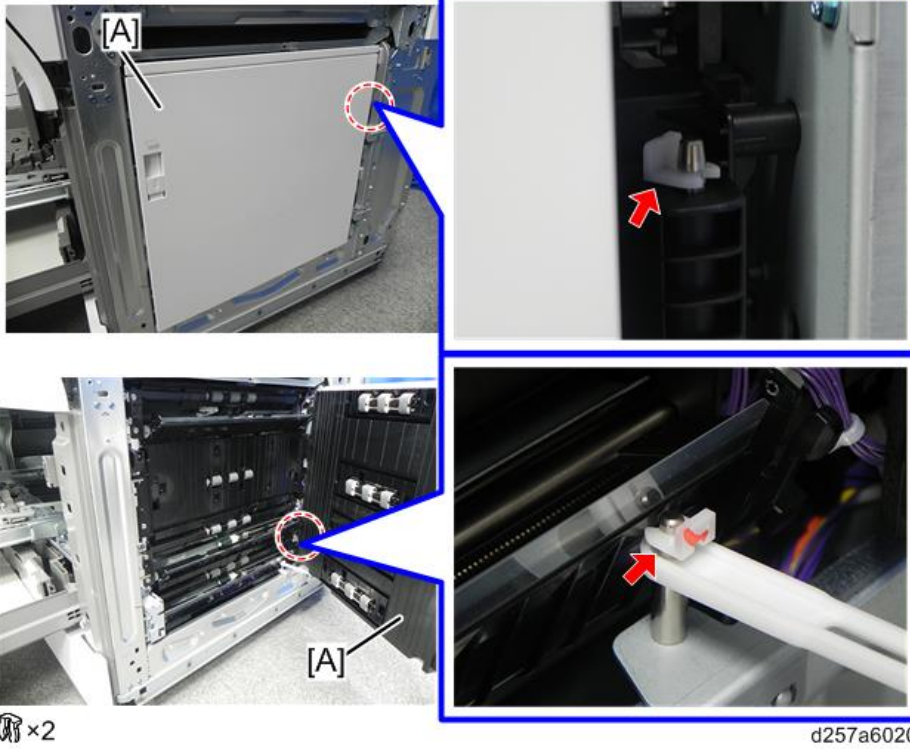


Paper Feed Unit for Tray 1

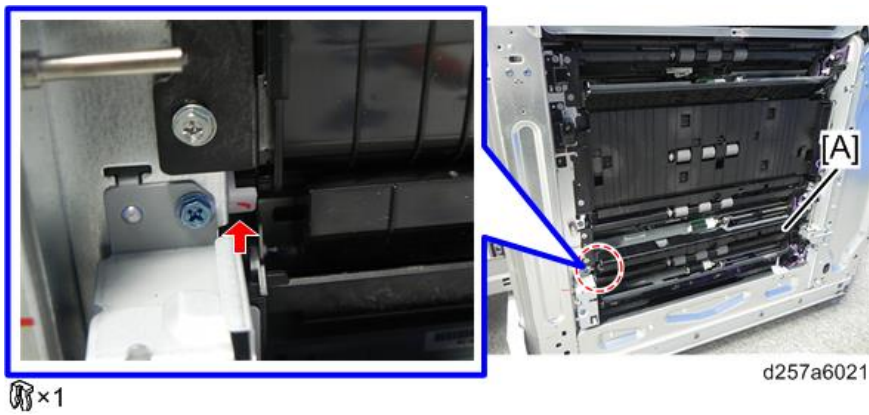
- 1.** Remove the right lower cover of the machine exterior. ([Right Lower Cover](#))

4.Replacement and Adjustment

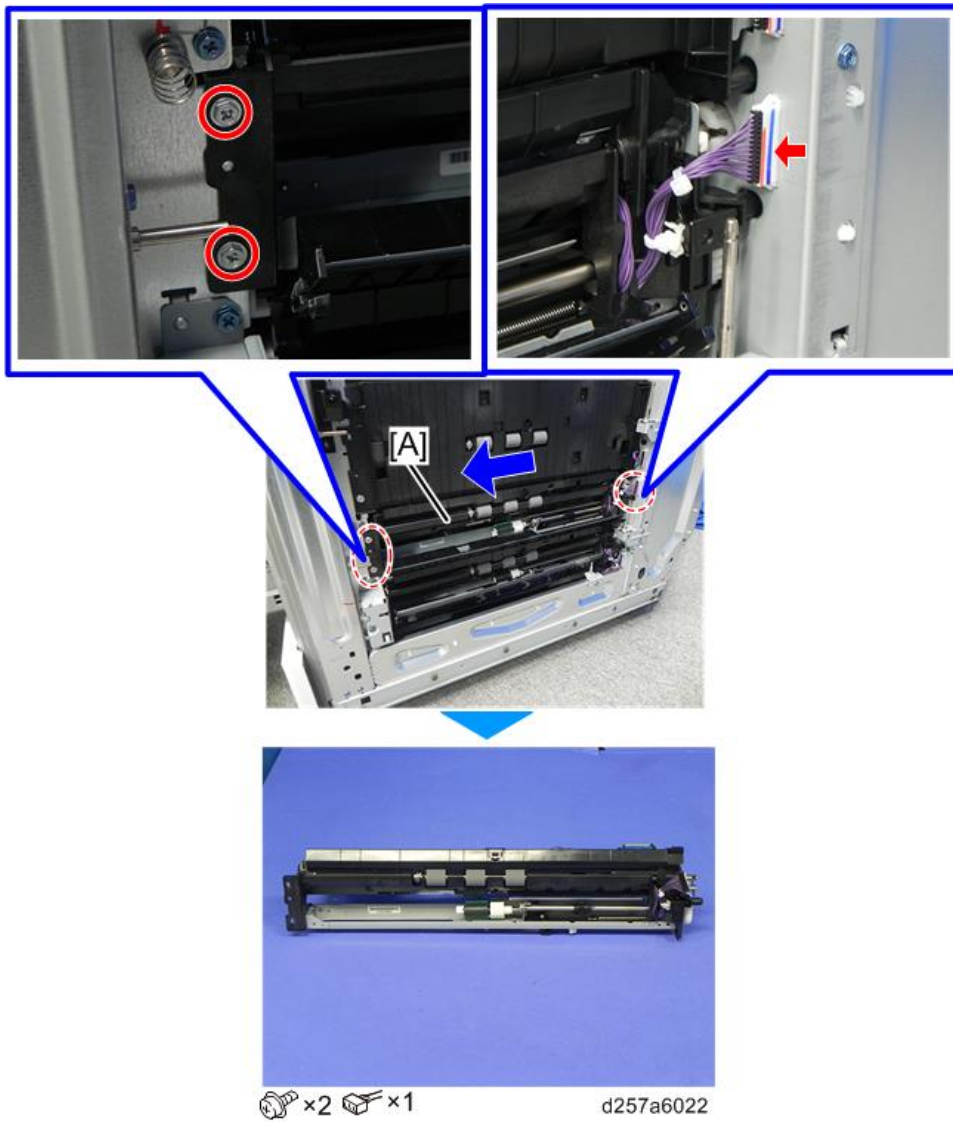
2. Pull out paper trays 1 and 2.
3. Remove the vertical transport unit [A].



4. Remove the frame for tray 2 [A].



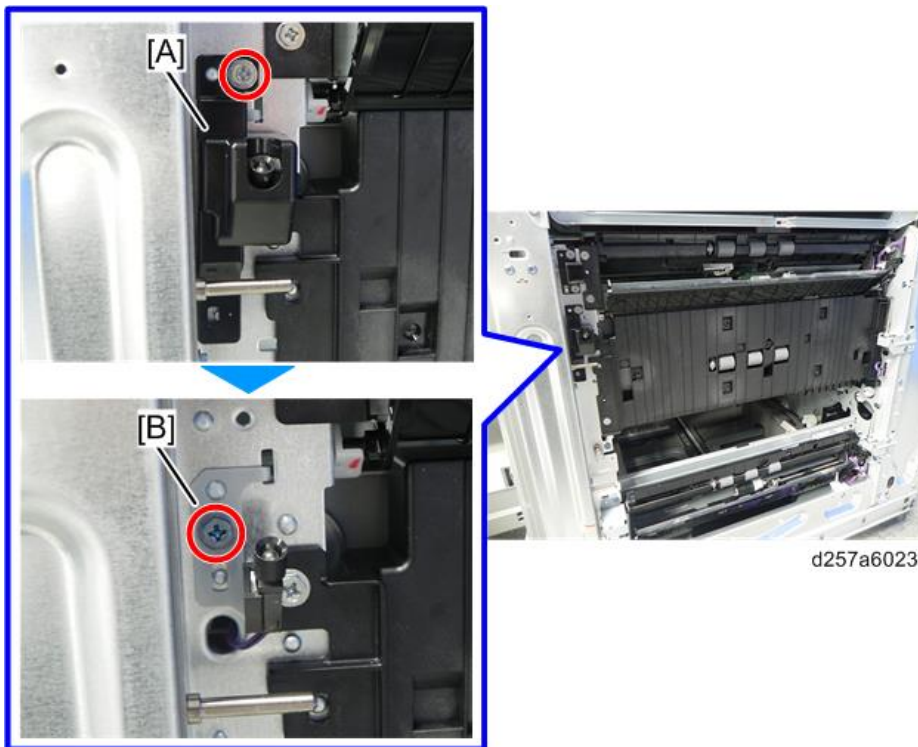
- 5.** Remove the paper feed unit for tray 2 [A].



- 6.** Remove the LED cover [A].

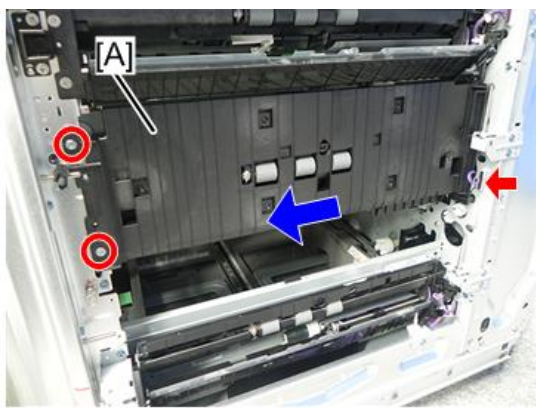
4.Replacement and Adjustment

7. Remove the vertical transport LED [B] along with the bracket.



⚙️ ×2

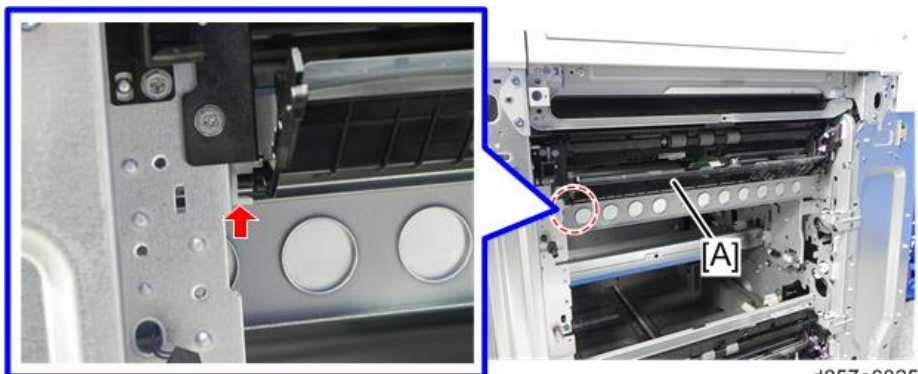
8. Remove the relay cover [A].



⚙️ ×2 🗝️ ×1

d257a6024

9. Remove the paper guide plate for tray 1 [A].



🔧 ×1

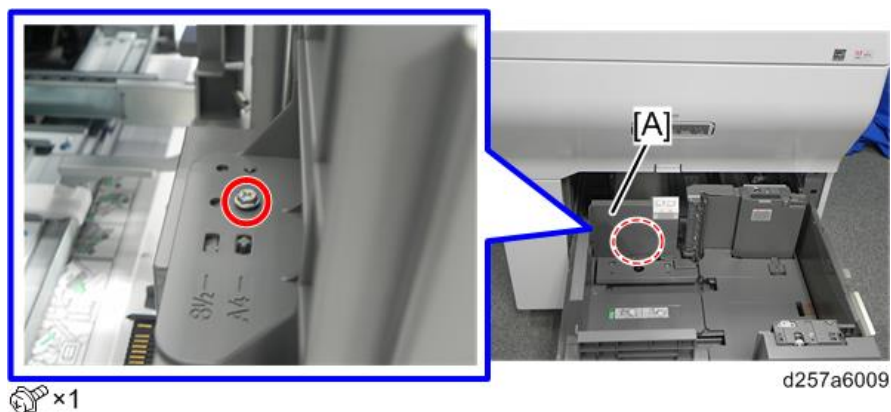
d257a6025

- 10.** Pull out the left side of the paper feed unit for tray 1 [A], and then remove it.
 (Remove the bracket [B] in order to remove the paper feed unit for tray 1 easily)



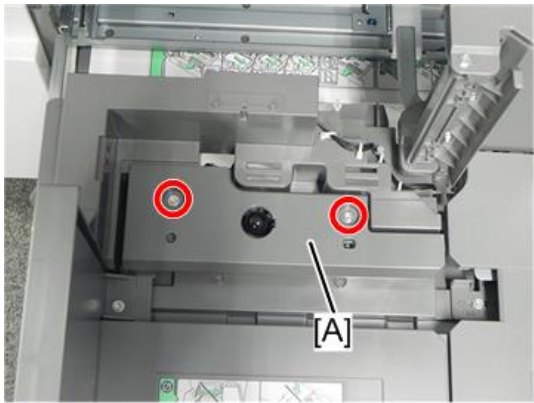
Rear Fence Home Position Sensor, Left Tray Paper Sensor

- 1.** Pull out paper tray 1.
- 2.** Remove the side fence [A].



4.Replacement and Adjustment

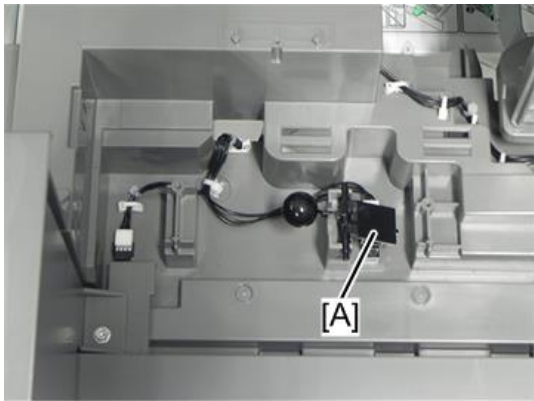
- 3.** Remove the cover [A].



 x2

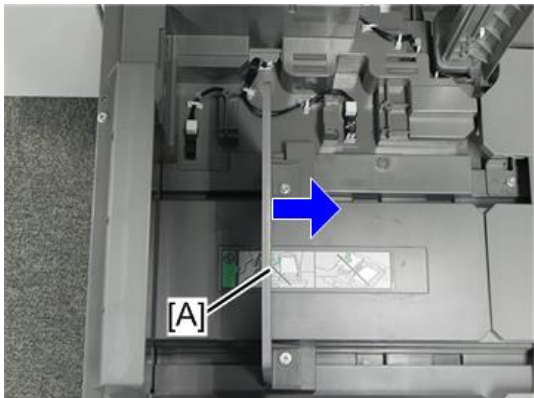
d257a6010

- 4.** Remove the feeler [A].



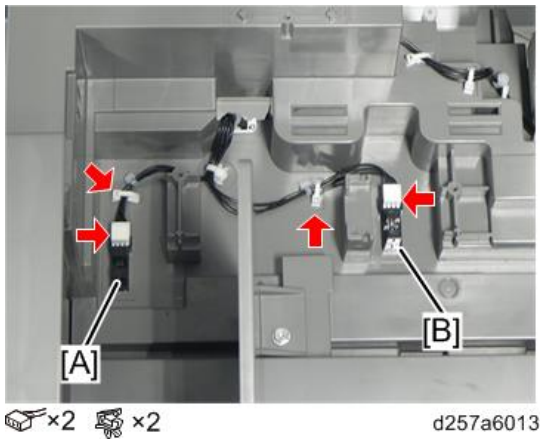
d257a6011

- 5.** Slide the left tray back fence [A].



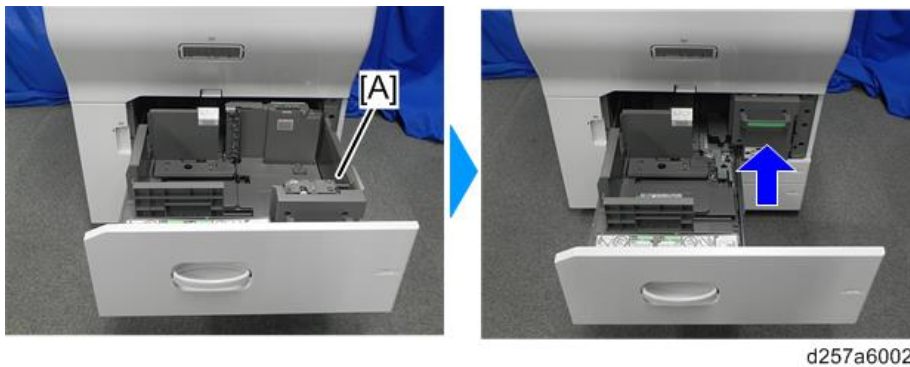
d257a6012

6. Remove the rear fence home position sensor [A] and the left tray paper sensor [B].

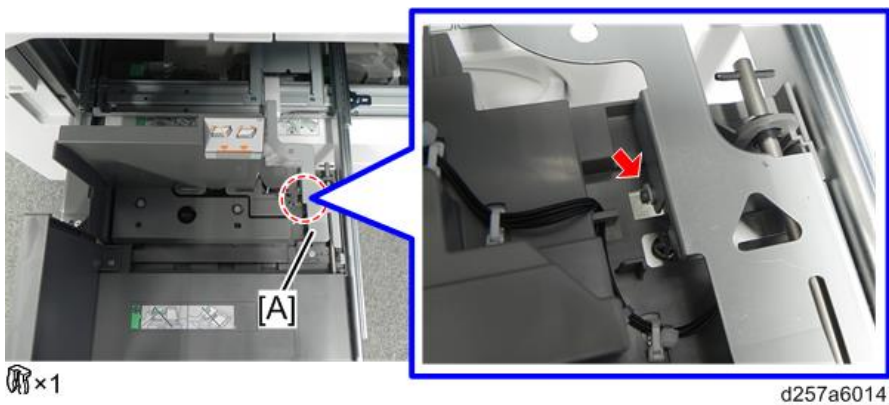


Rear Fence Return Sensor

1. Pull out paper tray 1.
2. Push the right tandem tray [A] into the machine.

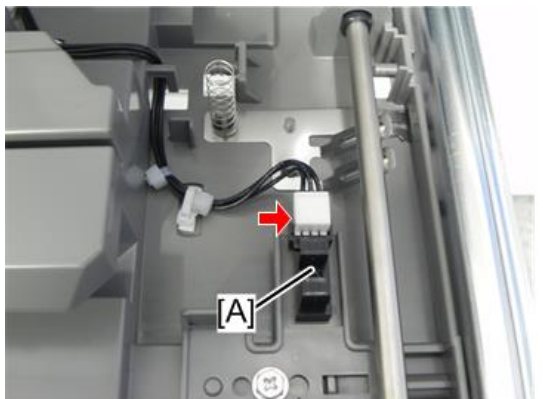


3. Remove the bracket [A].



4.Replacement and Adjustment

4. Remove the rear fence return sensor [A].

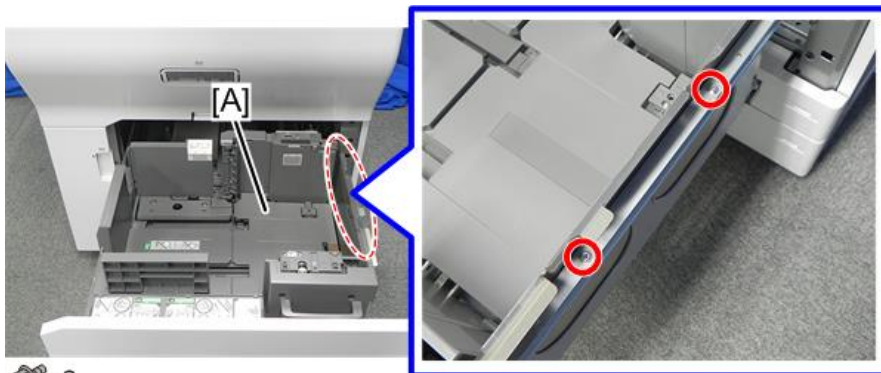


🔧 ×1

d257a6015

Paper Height Sensors 1-3, Tray Down Sensor, Right Tray Set Sensor

1. Remove the right lower cover of the machine exterior. ([Right Lower Cover](#))
2. Pull out paper trays 1 and 2.
3. Remove the right side of paper tray 1 [A].*

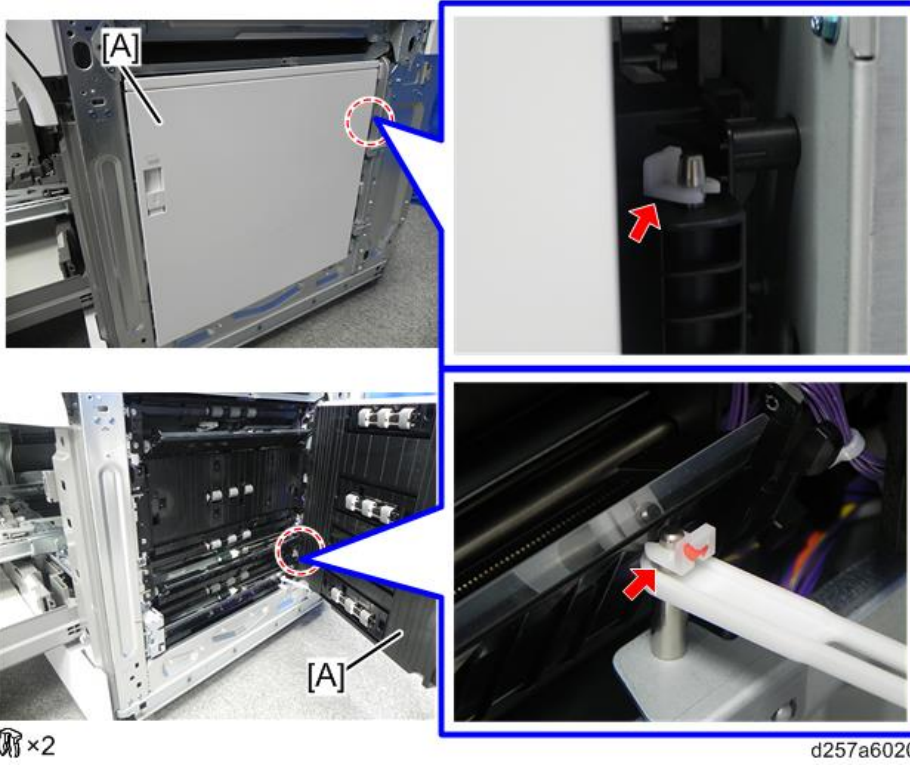


🔧 ×2

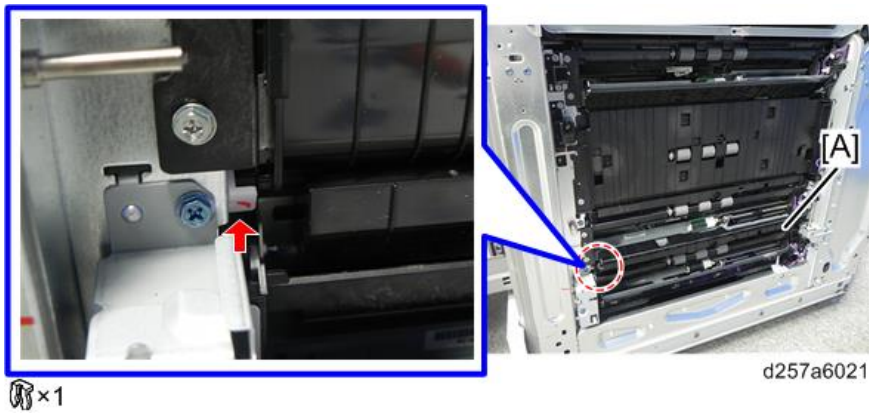
d257a6006

* Pro C5200S/C5210S use TCRU/ORU screws

4. Remove the vertical transport unit [A].



5. Remove the paper guide plate for tray 2 [A].

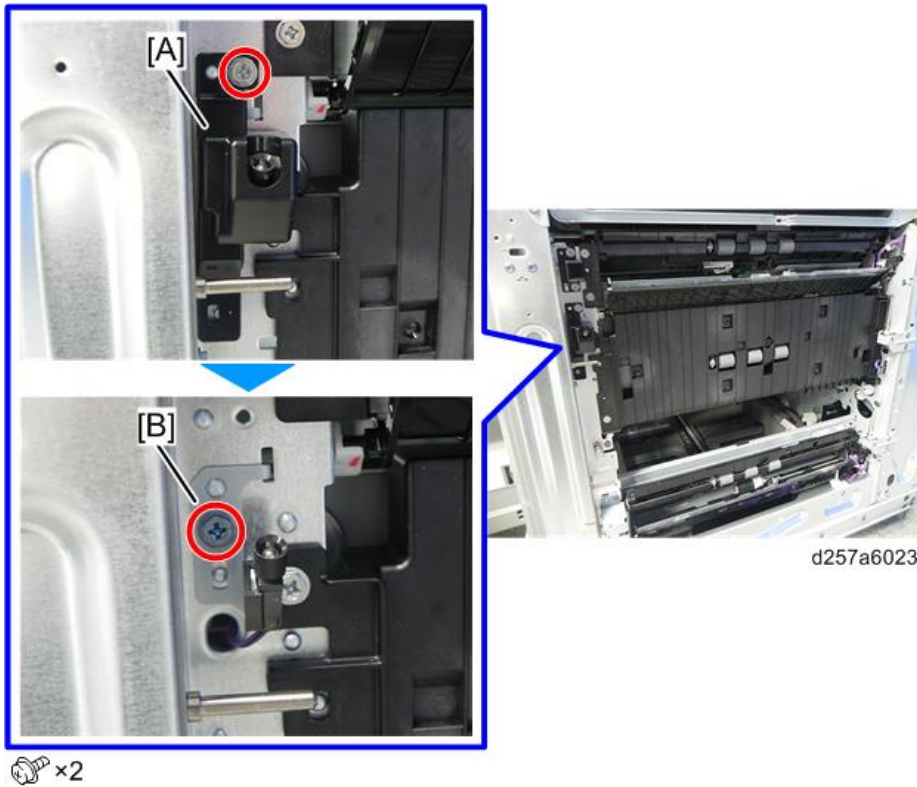


4.Replacement and Adjustment

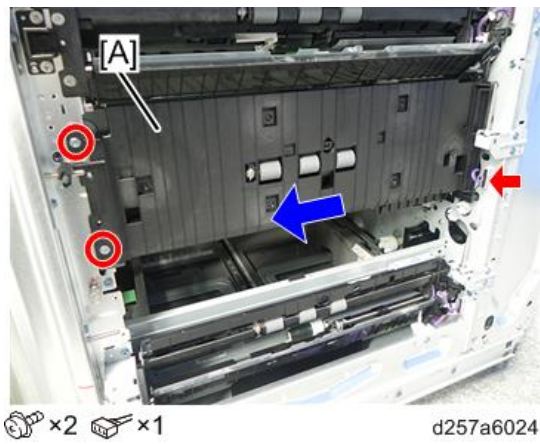
- 6.** Remove the paper feed unit for tray 2 [A].



8. Remove the vertical transport LED [B] along with the bracket.

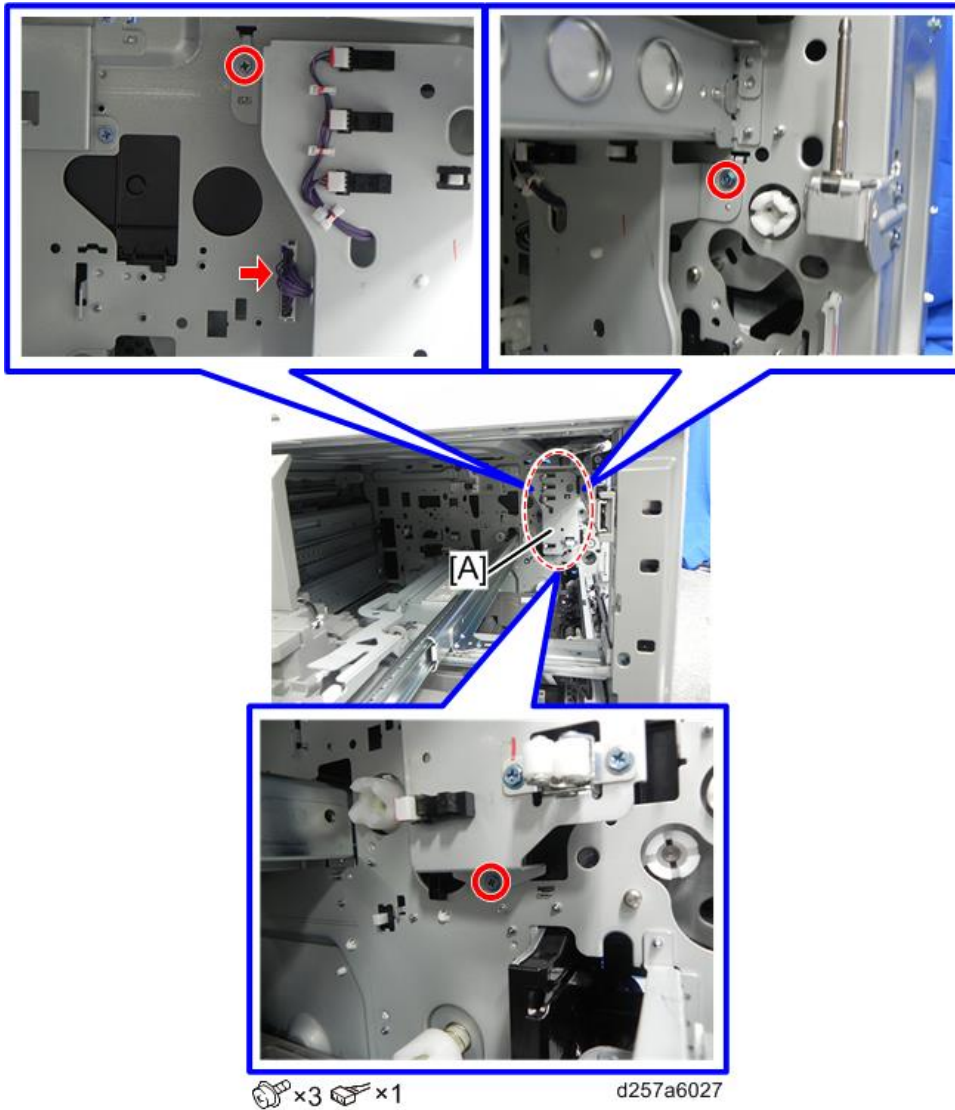


9. Remove the relay cover [A].

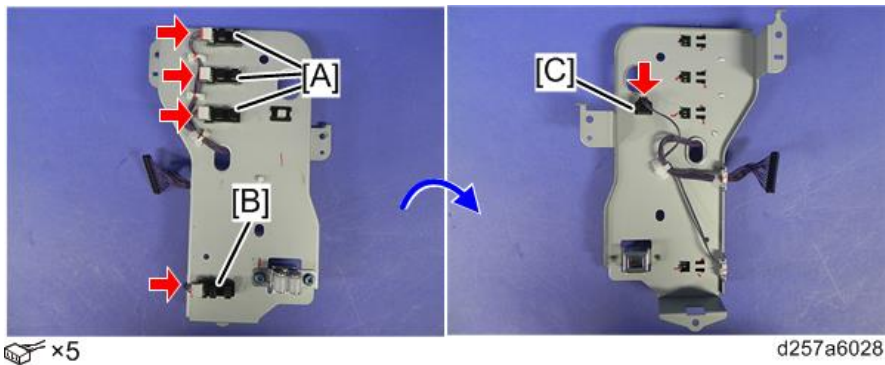


4.Replacement and Adjustment

10. Remove the 5 sensors [A] along with the bracket, located inside the rear face of the machine.



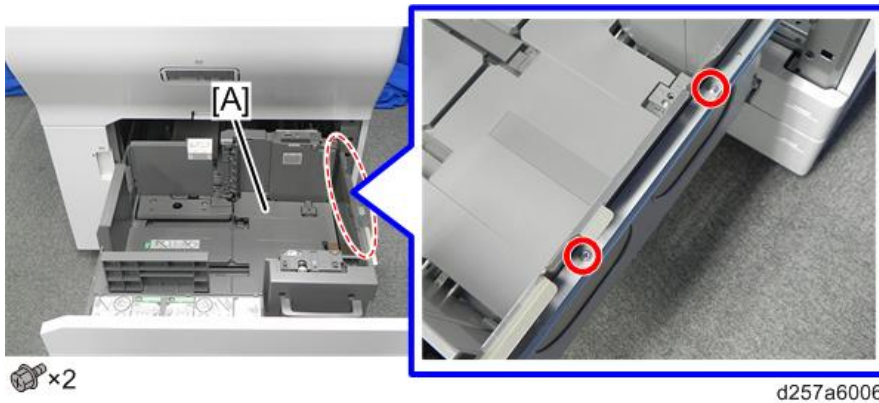
11. Remove the paper height sensors 1, 2, 3 [A], tray down sensor [B] and right tray set sensor [C].



Rear End Fence Closed Sensor

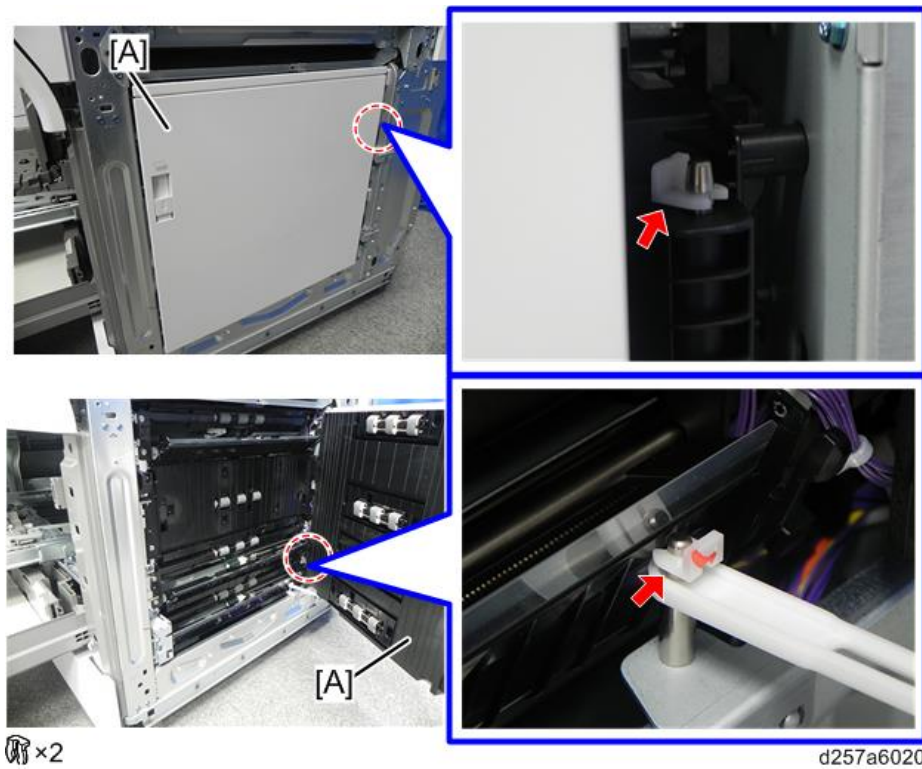
- 1.** Remove the right lower cover of the machine exterior. ([Right Lower Cover](#))
- 2.** Pull out paper trays 1 and 2.

3. Remove the right side of paper tray 1 [A].*

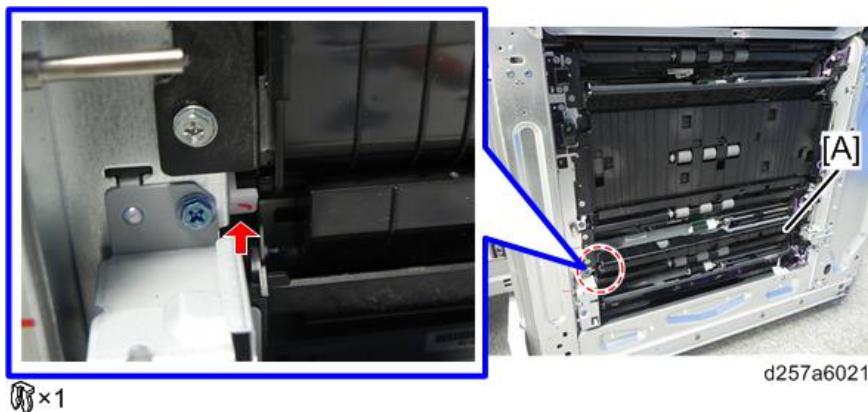


* Pro C5200S/C5210S use TCRU/ORU screws

4. Remove the vertical transport unit [A].



5. Remove the paper guide plate for tray 2 [A].



4.Replacement and Adjustment

- 6.** Remove the paper feed unit for tray 2 [A].

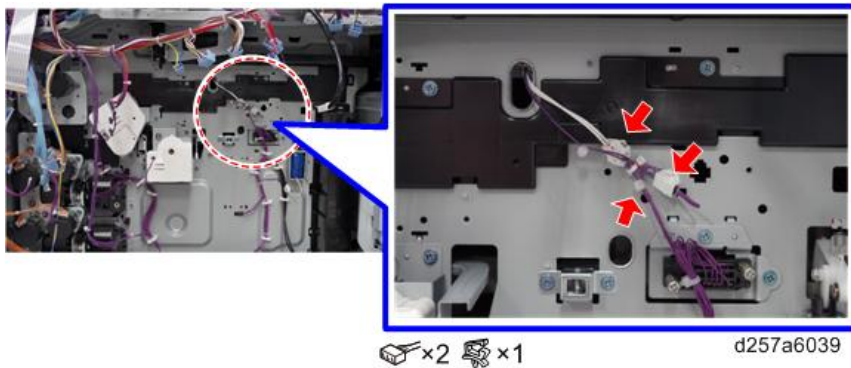


- 7.** Remove the LED cover [A].

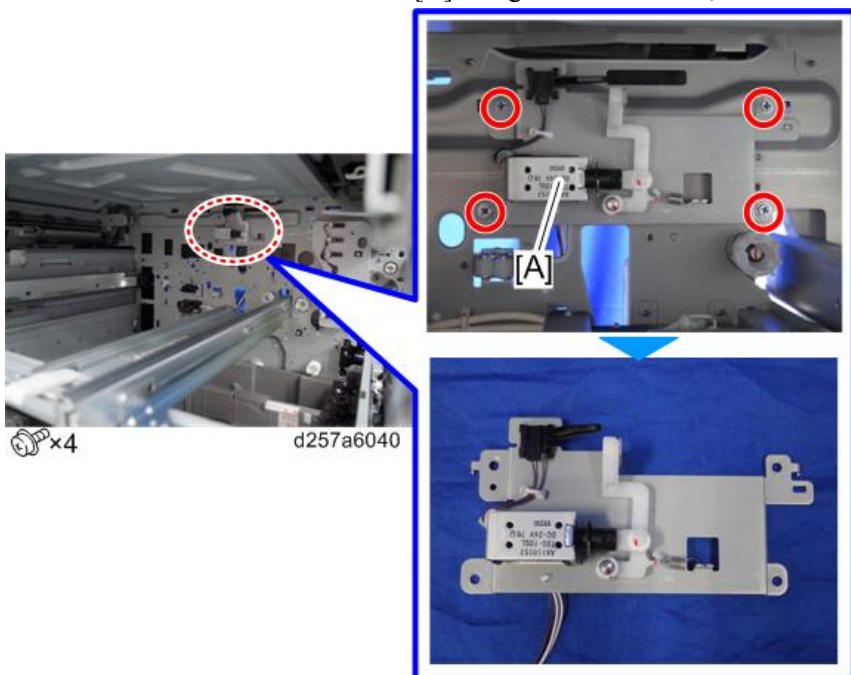
4.Replacement and Adjustment

End Fence Rear Solenoid

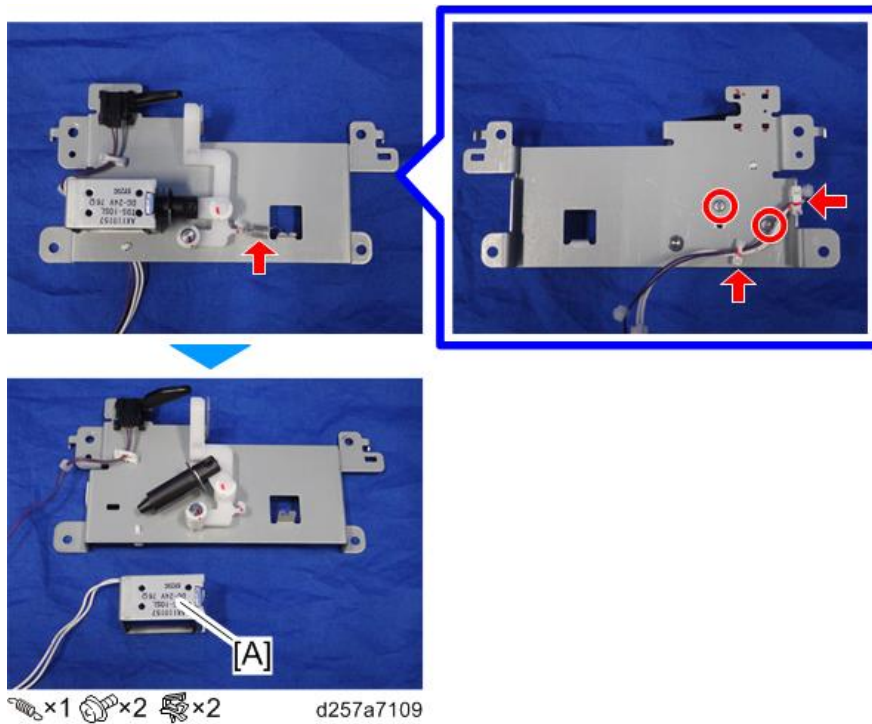
1. Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine (When removing the motors and sensors that are behind the PSU1 and PSU2)
2. Disconnect the connectors for the rear end fence closed sensor and the end fence rear solenoid.



3. Remove the relay cover. (Rear End Fence Closed Sensor)
4. Remove the end fence rear solenoid [A] along with the bracket, located inside the rear face of the machine.

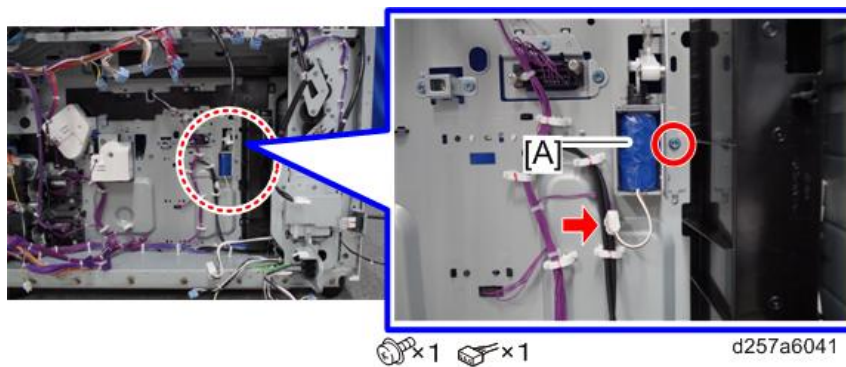


5. Remove the end fence rear solenoid [A].

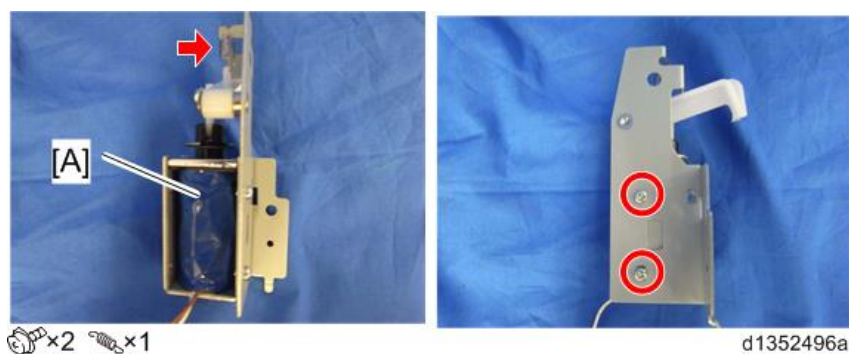


Left Tray Lock Solenoid

1. Remove the PSU1 / PSU2 along with the bracket, located inside the rear face of the machine. (When removing the motors and sensors that are behind the PSU1 and PSU2)
2. Remove the left tray lock solenoid [A] along with the bracket.



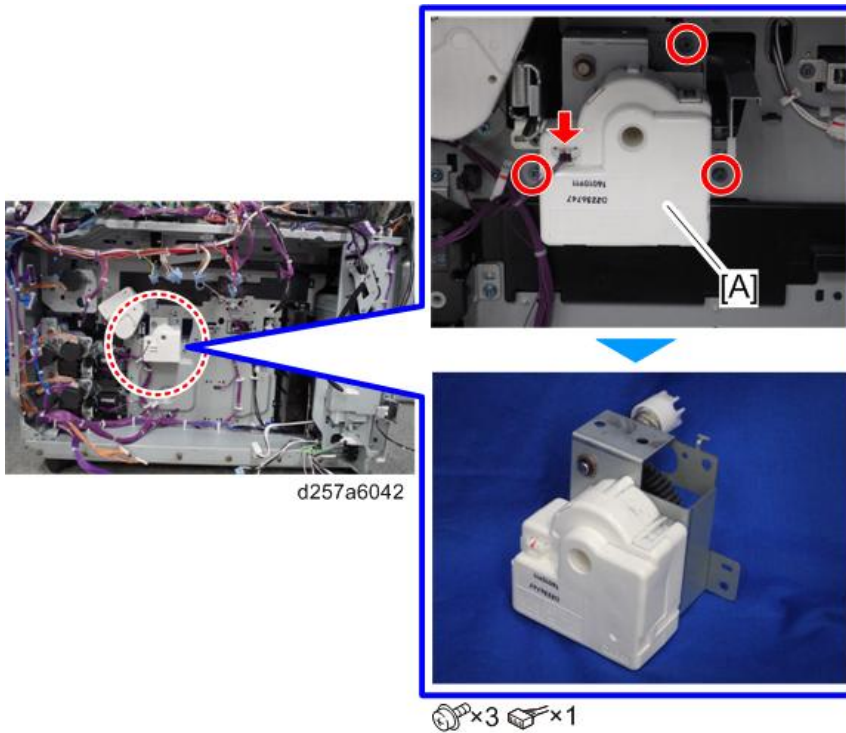
3. Remove the left tray lock solenoid [A].



4.Replacement and Adjustment

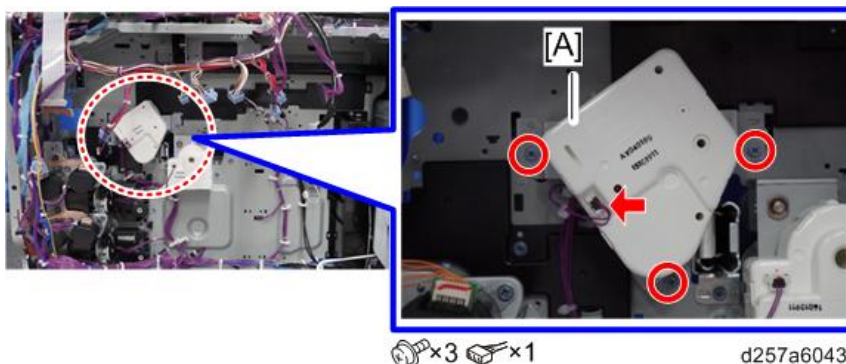
Rear Fence Drive Motor

- 1.** Remove the PFB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the PFB)
- 2.** Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine. (When removing the motors and sensors that are behind the PSU1 and PSU2)
- 3.** Remove the rear fence drive motor [A].



1st Tray Lift Motor

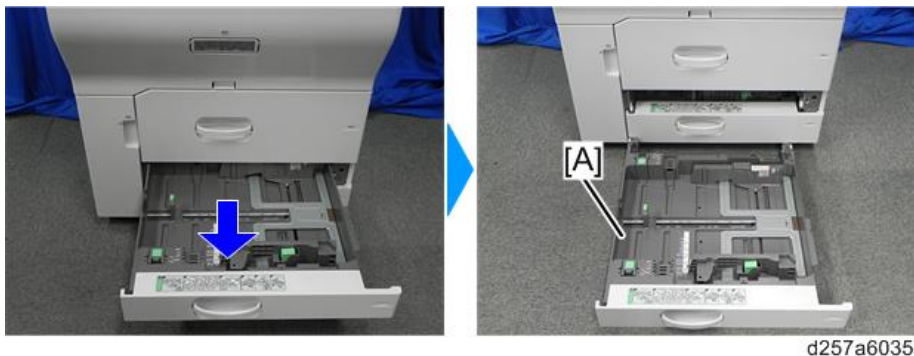
- 1.** Remove the PFB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the PFB)
- 2.** Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine. (When removing the motors and sensors that are behind the PSU1 and PSU2)
- 3.** Remove the vertical transport motor along with the bracket. (Vertical Transport Motor)
- 4.** Remove the 1st tray lift motor.



Paper Feed Section (Tray 2-3, Vertical Transport)

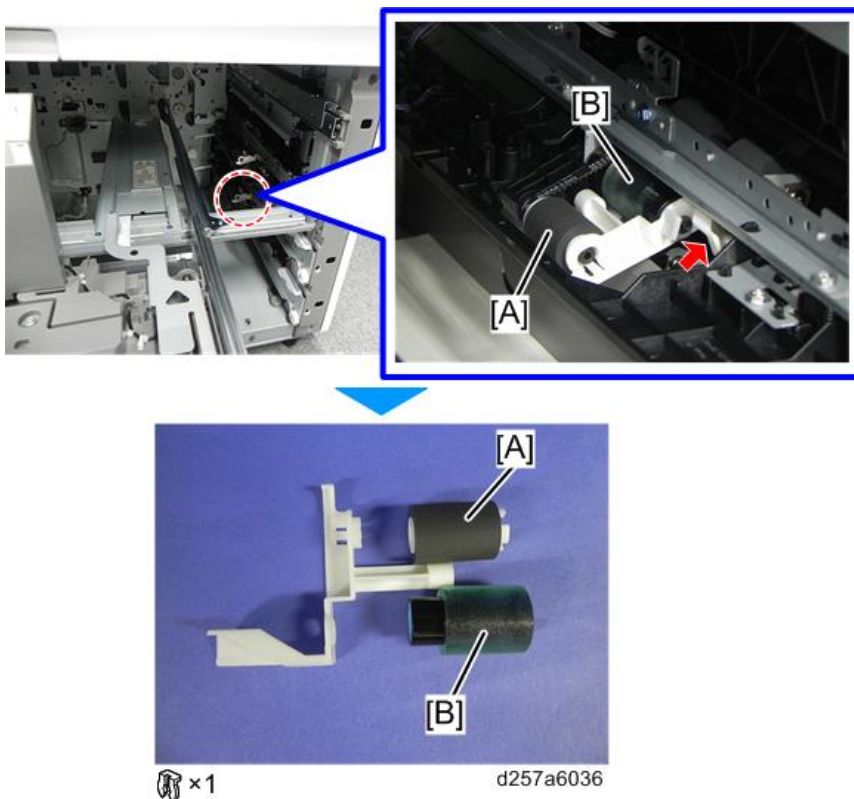
Paper Tray

1. Pull out the paper tray [A].



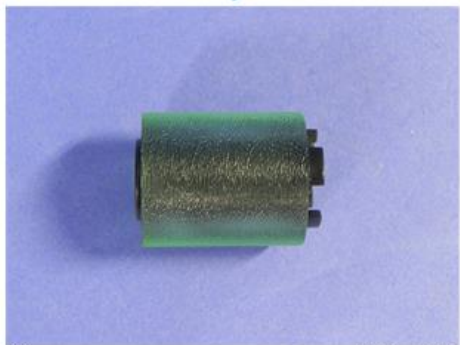
Feed Roller, Pick-up Roller and Separation Roller

1. Pull out the paper tray.
2. Remove the pick-up roller [A] and feed roller [B].
e.g.: Tray 2



3. Open the vertical transport door, and then remove the separation roller [C].
e.g.: Tray 2

4.Replacement and Adjustment

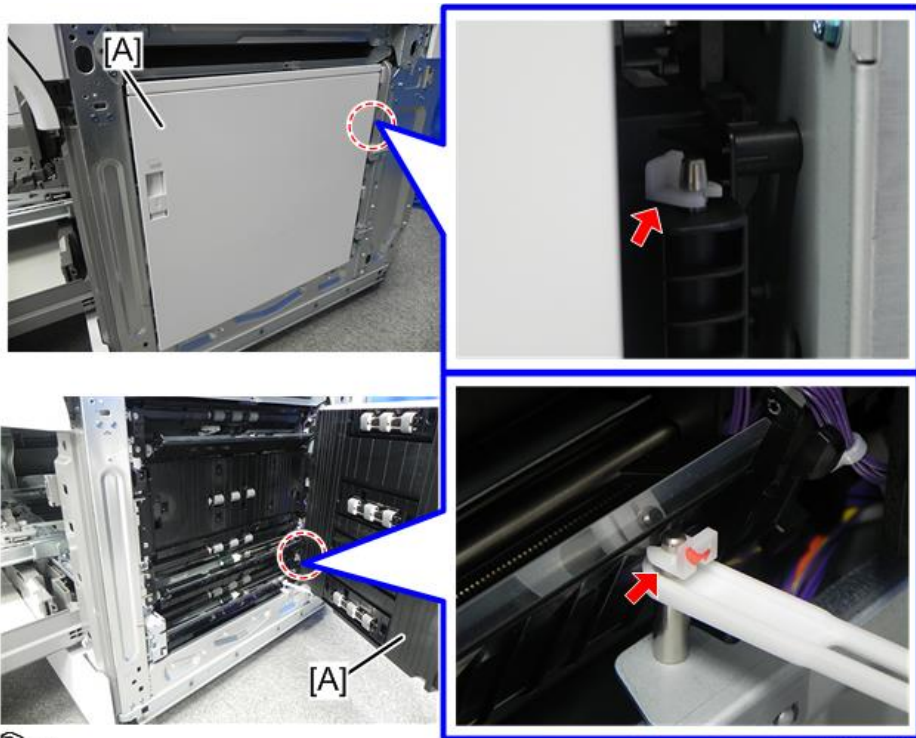


Ⓜ × 1

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Paper Feed Unit

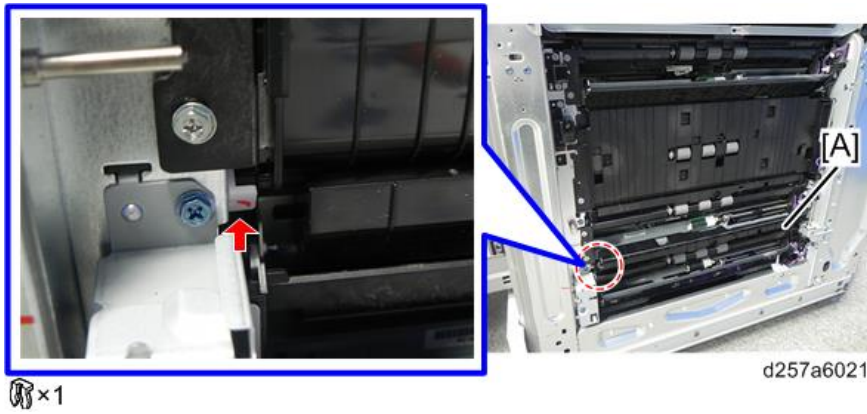
1. Remove the right lower cover of the machine exterior. (Right Lower Cover)
2. Pull out paper tray 2 (in the case of the paper feed unit for tray 2).
3. Remove the vertical transport unit [A].



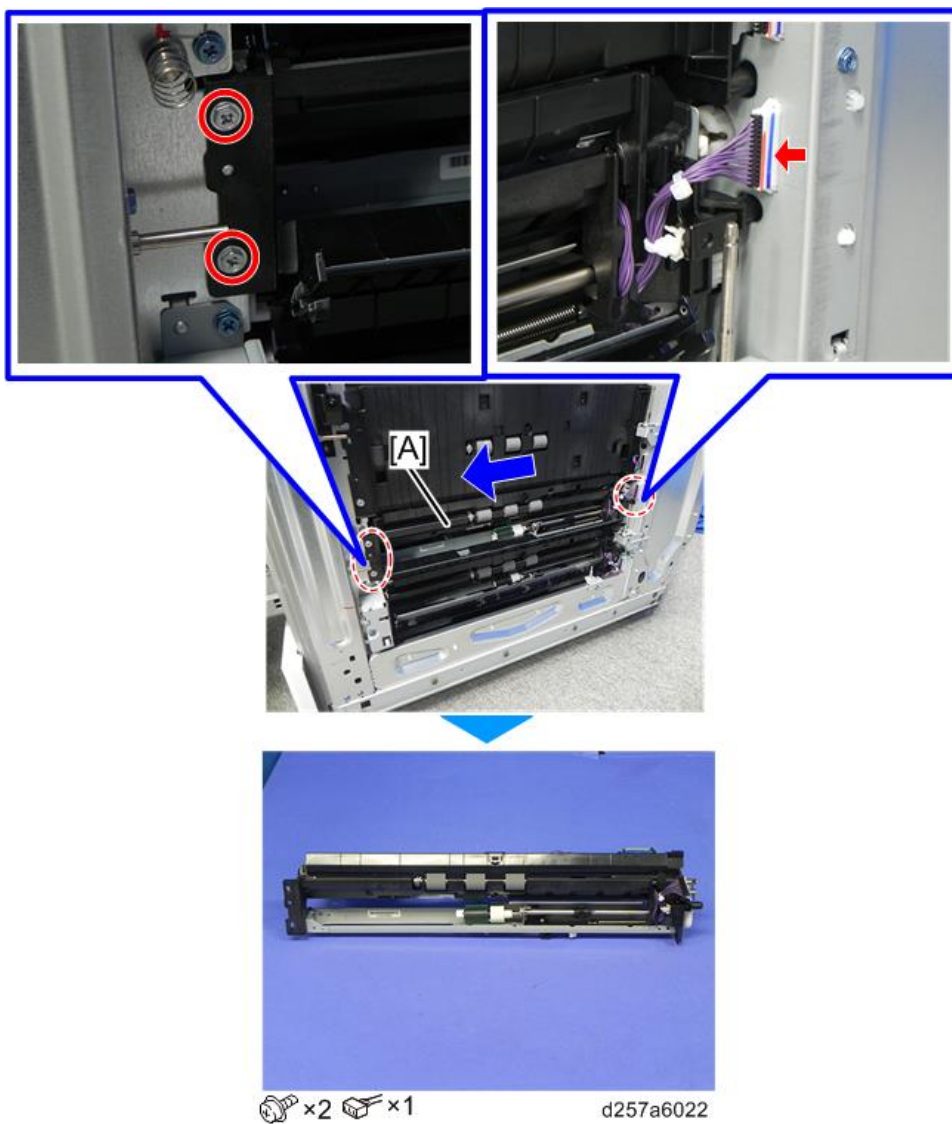
Ⓜ × 2

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4. Remove the paper guide plate [A].



5. Remove the paper feed unit for tray 2 [A].



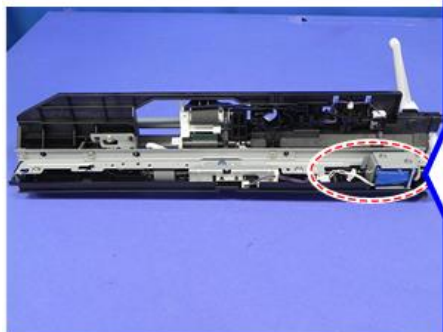
Note

- For tray 3, replace with the same procedure as for tray 2.

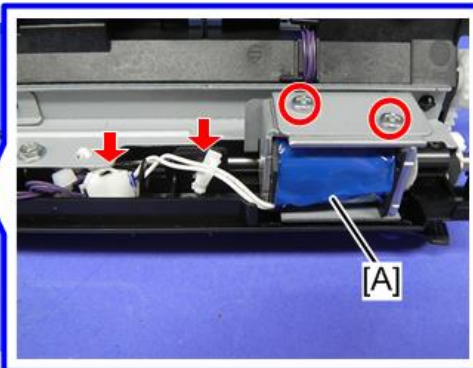
4.Replacement and Adjustment

Pick-up Solenoid

1. Remove the paper feed unit. (Paper Feed Unit)
2. Remove the pick-up solenoid [A].



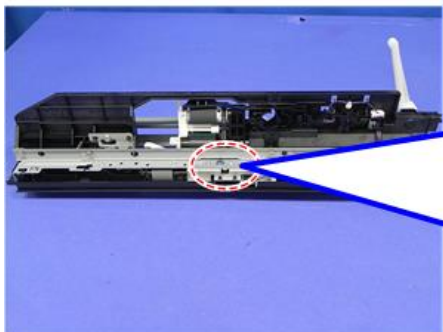
 x2  x1  x1



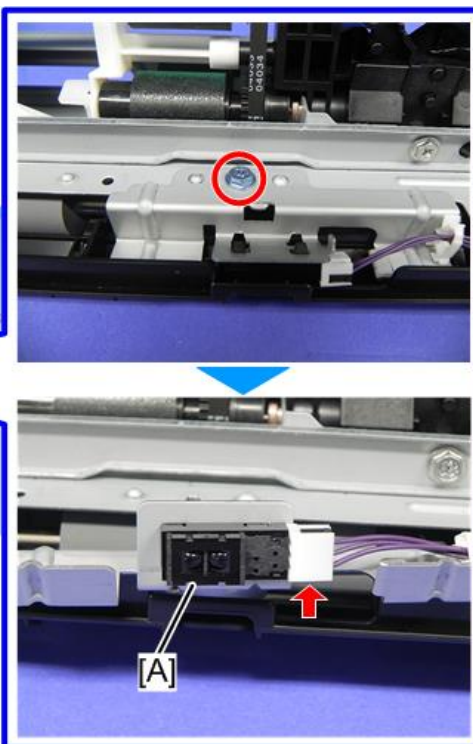
d257a6016

Transport Sensor

1. Remove the paper feed unit. (Paper Feed Unit)
2. Remove the transport sensor [A].



 x1  x1

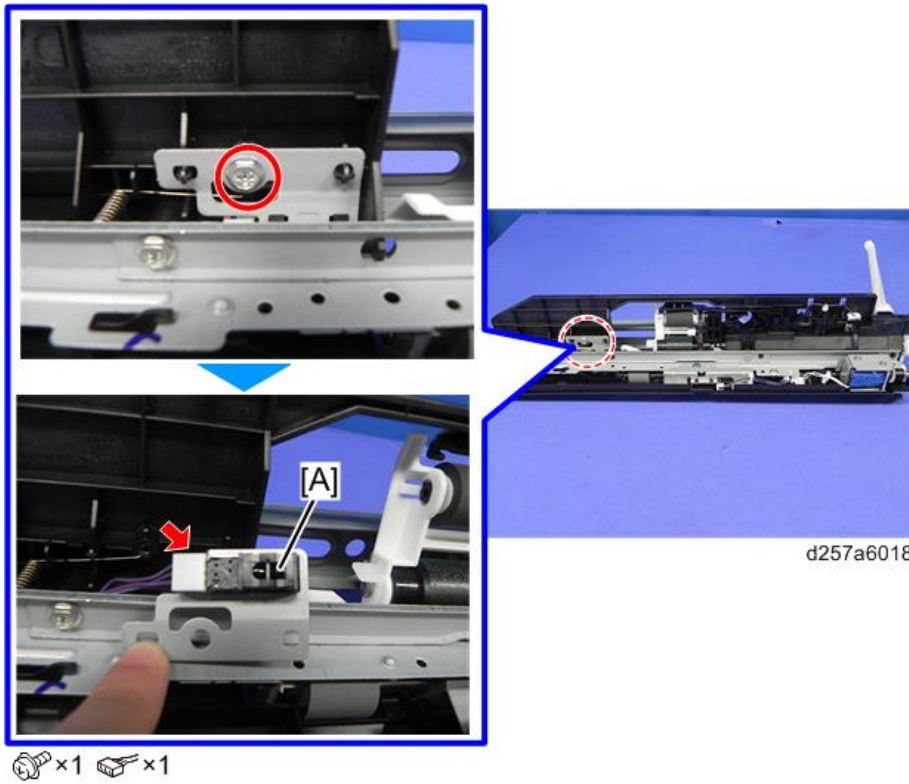


d257a6017

Paper Feed Sensor

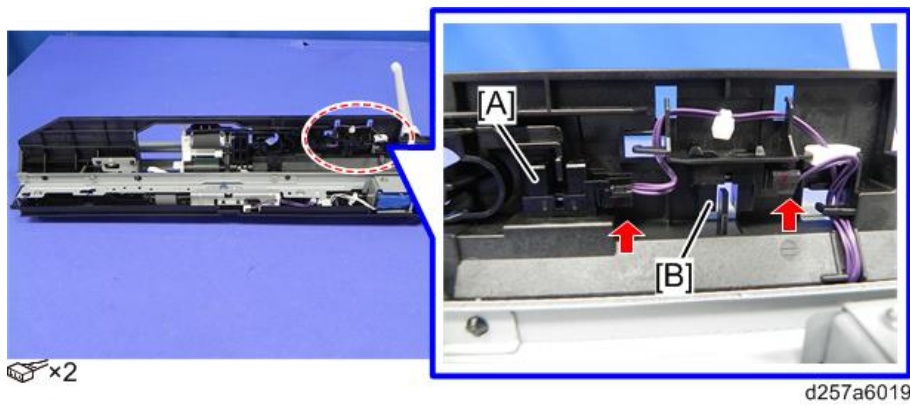
1. Remove the paper feed unit. (Paper Feed Unit)

2. Remove the paper feed sensor [A].



Paper Tray Upper Limit Sensor, Paper End Sensor

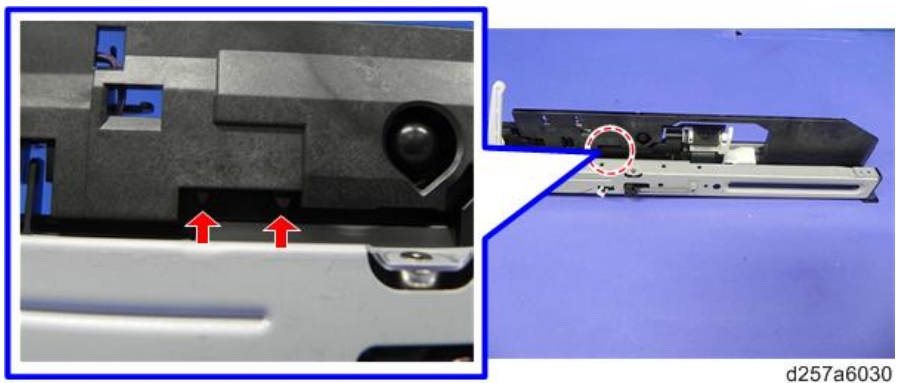
1. Remove the paper feed unit. (Paper Feed Unit)
2. Remove the paper tray upper limit sensor [A] and paper end sensor [B].



4.Replacement and Adjustment

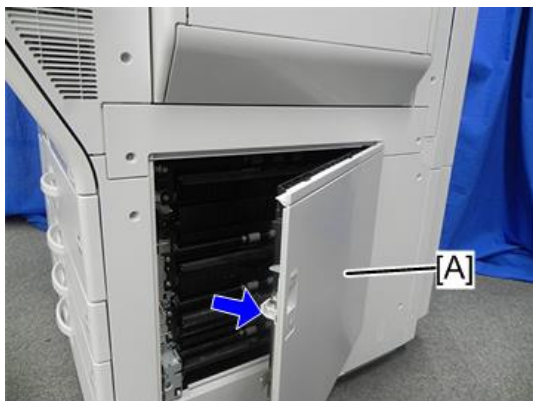
Note

- When removing the paper end sensor, remove the hook from the opposite side as shown in the photo above.



Vertical Transport LED

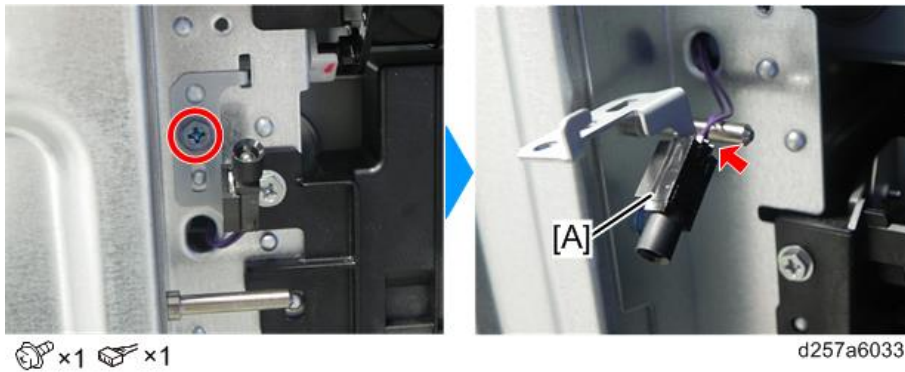
1. Open the vertical transport door [A].



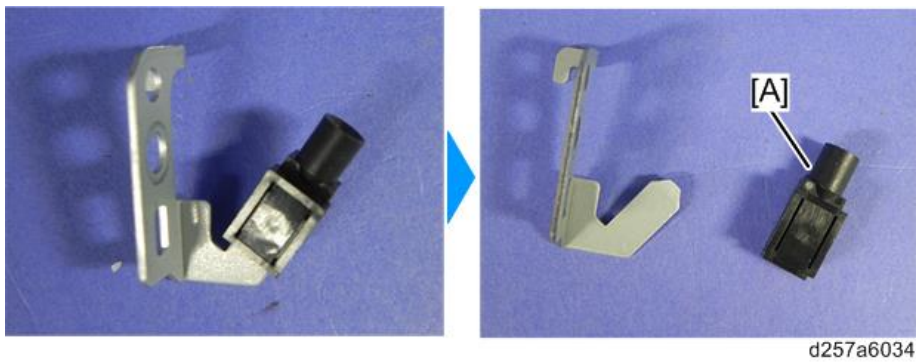
2. Remove the LED cover [A].



- 3.** Remove the vertical transport LED [A] along with the bracket.

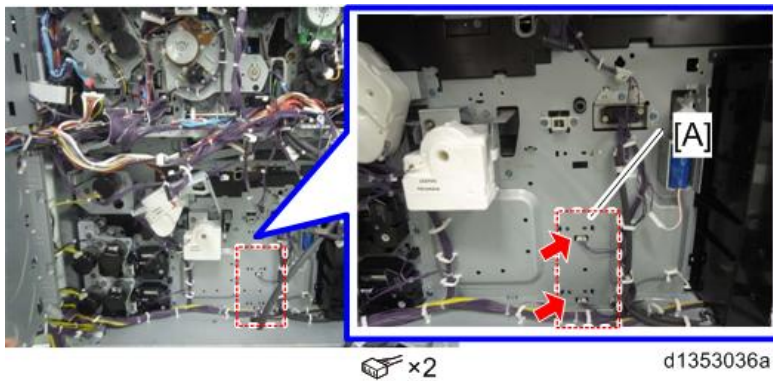


- 4.** Remove the vertical transport LED [A].



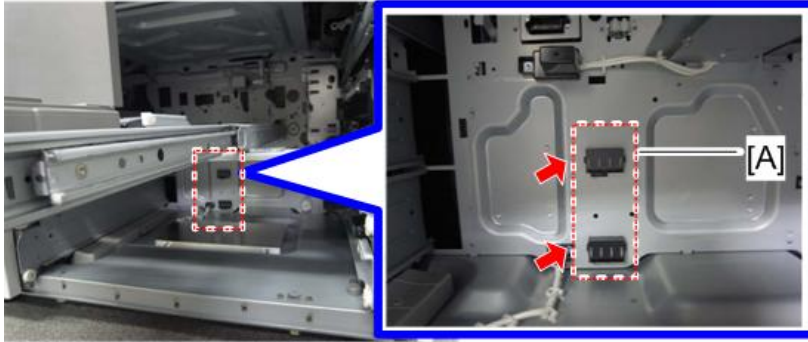
Paper Size Sensors

- 1.** Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine. (*When removing the motors and sensors that are behind the PSU1 and PSU2*)
- 2.** Disconnect two connectors [A] from the paper size sensors.



4.Replacement and Adjustment

3. Pull out the paper trays from the front side of the machine and remove the two paper size sensors [A].



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Paper Tray Set Sensors

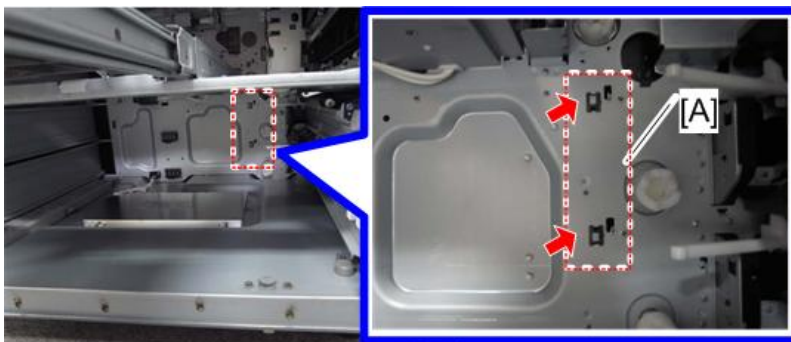
1. Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine. (When removing the motors and sensors that are behind the PSU1 and PSU2)
2. Disconnect two connectors [A] from the paper tray set sensors.



 x2

d1353037a

3. Pull out the paper trays from the front side of the machine and remove the two paper tray set sensors [A].

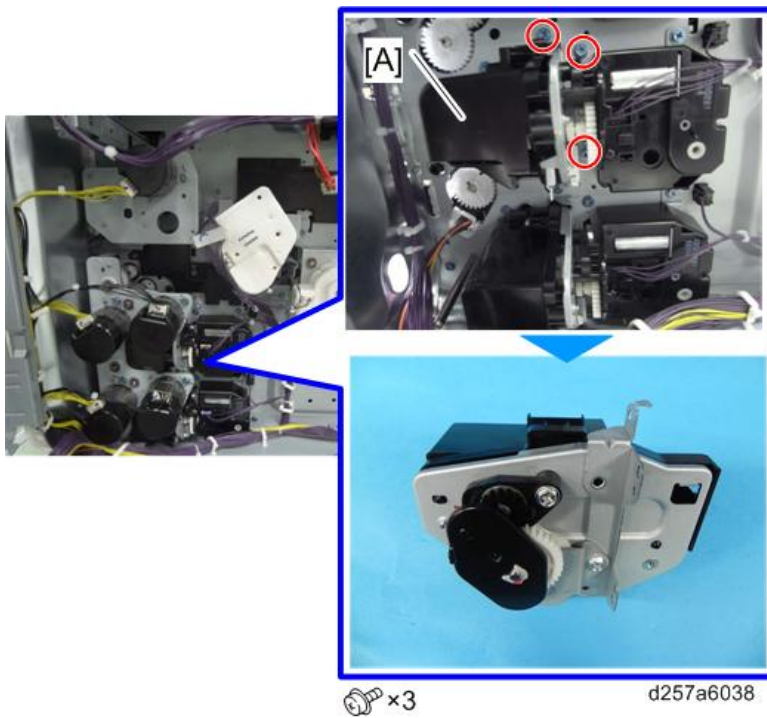


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Tray Pull-In Device

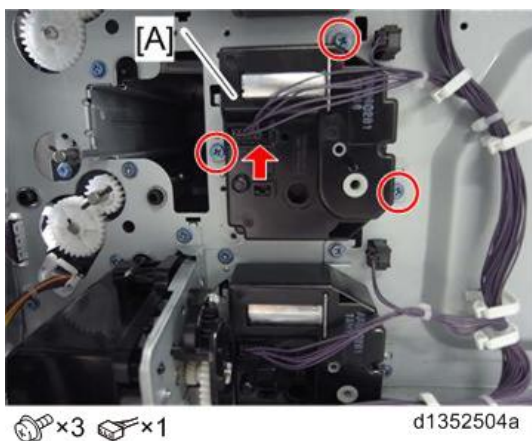
1. Remove the PFB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the PFB)
2. Remove the PSU1 / PSU2 along with the bracket, located on the back side of the machine. (When removing the motors and sensors that are behind the PSU1 and PSU2)

3. Remove the paper feed motor for paper tray 2, or the paper feed motor for paper tray 3. (2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor)
4. Remove the tray pull-in device [A].



Paper Tray Lift Motor

1. Remove the tray pull-in device. (Tray Pull-In Device)
2. Remove the paper tray lift motor [A].
e.g.: for paper tray 2



Note

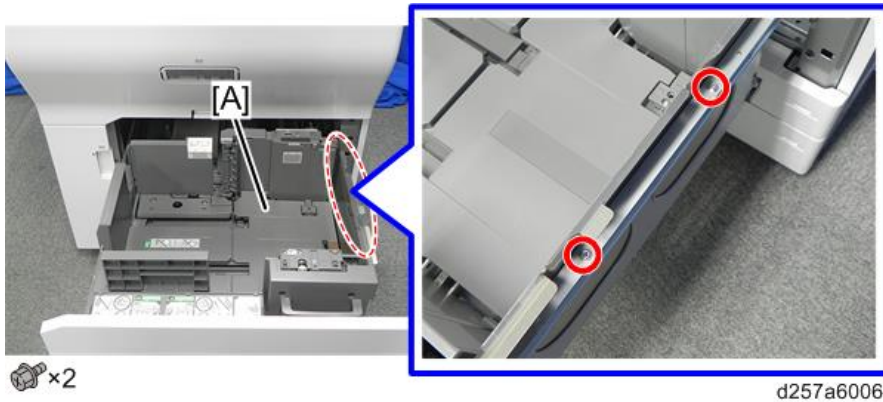
- For tray 3, replace with the same procedure as for tray 2.

4.Replacement and Adjustment

Tray Heater

Upper Tray Heater

- 1.** Pull out the paper tray.
- 2.** Remove the right side of paper tray 1 [A].*

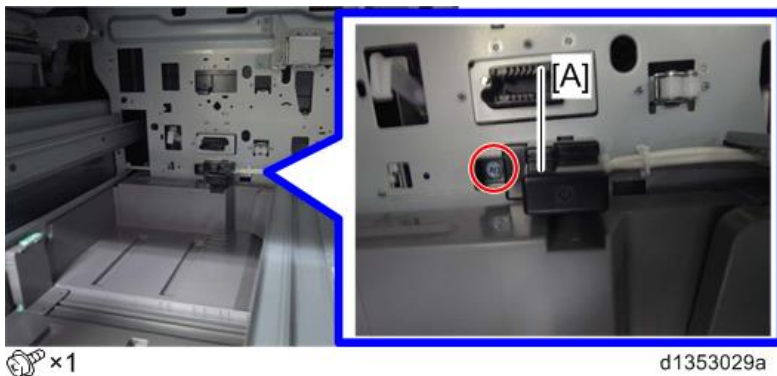


* Pro C5200S/C5210S use TCRU/ORU screws

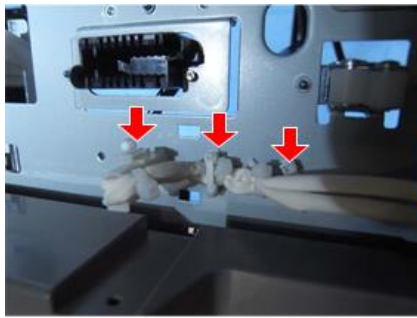
- 3.** Remove the fixing screws of the bracket for the upper tray heater [A].



- 4.** Remove the connector cover [A].



- 5.** Remove the upper tray heater [A] along with the bracket.

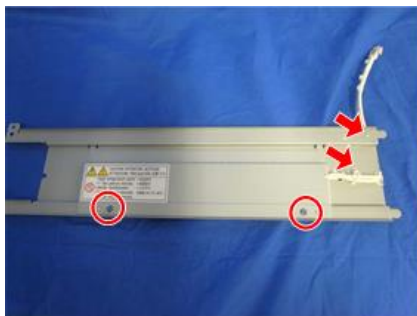


 x1  x2

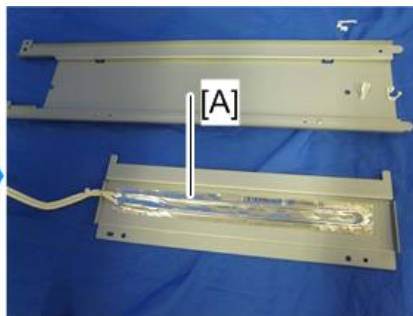


d1352559a

- 6.** Remove the upper tray heater [A].



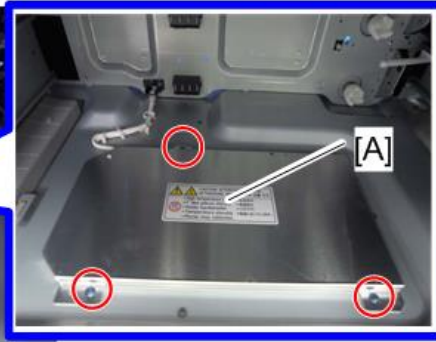
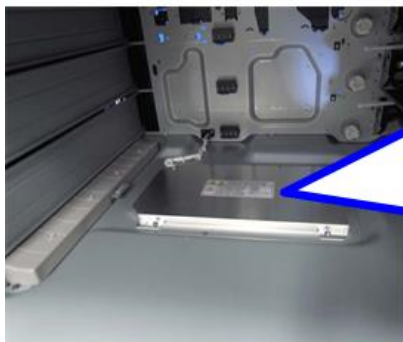
 x2  x2



d1352560b

Lower Tray Heater

- 1.** Pull out the paper tray.
2. Remove the fixing screws of the bracket for the lower tray heater [A].



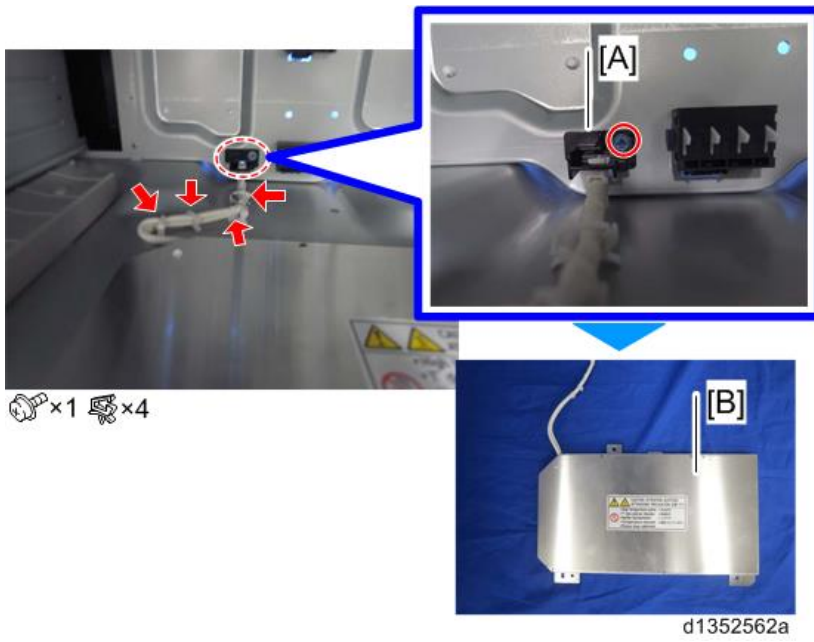
 x3

d1352561a

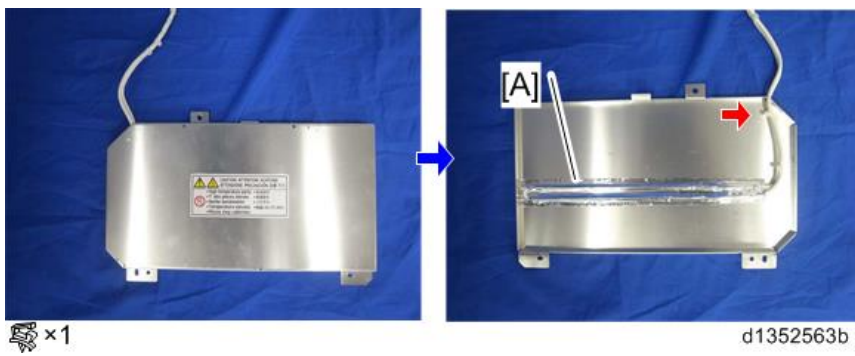
- 3.** Remove the connector cover [A].

4.Replacement and Adjustment

4. Remove the lower tray heater [B] along with the bracket.



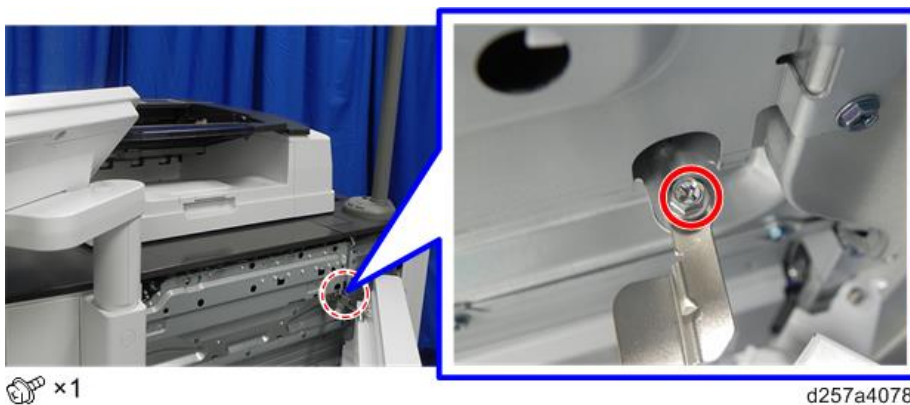
5. Remove the lower tray heater [A].



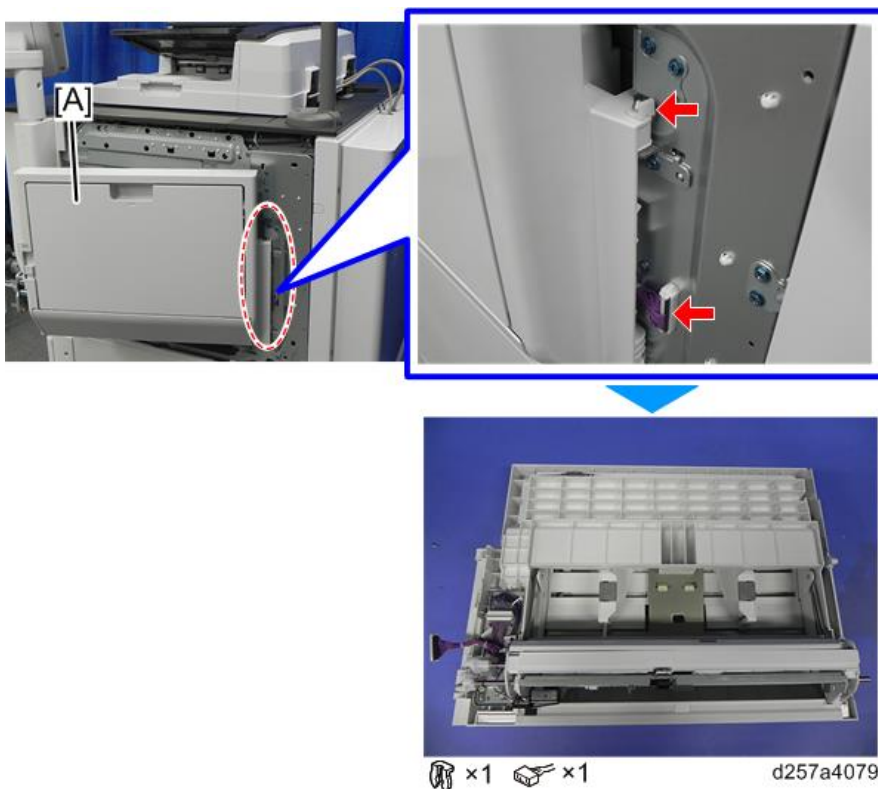
Bypass Tray Unit (Pro C5200S/C5210S)

Bypass Tray Unit Removal

1. Remove the right middle rear cover. ([Right Middle Rear Cover \(Pro C5200S/C5210S\)](#))
2. Remove the screw.



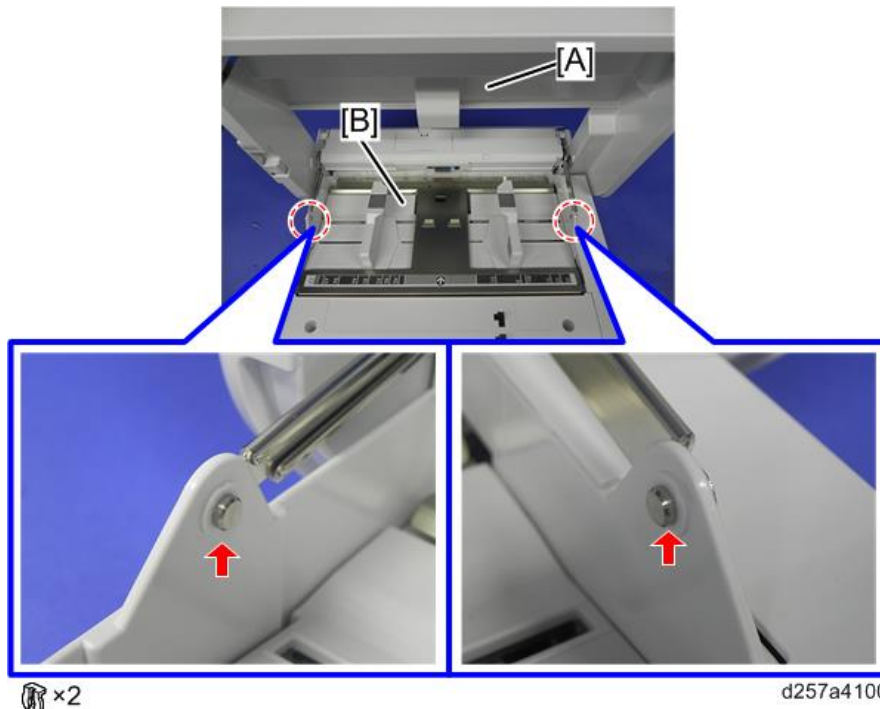
3. Remove the bypass tray unit [A] from the machine.



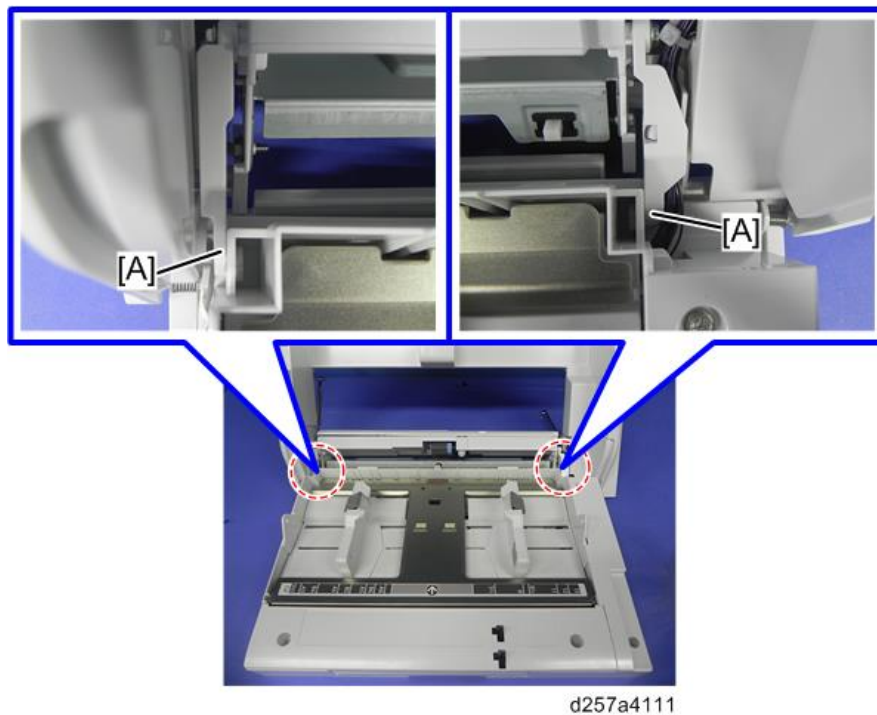
4.Replacement and Adjustment

Bypass Tray Unit Separation

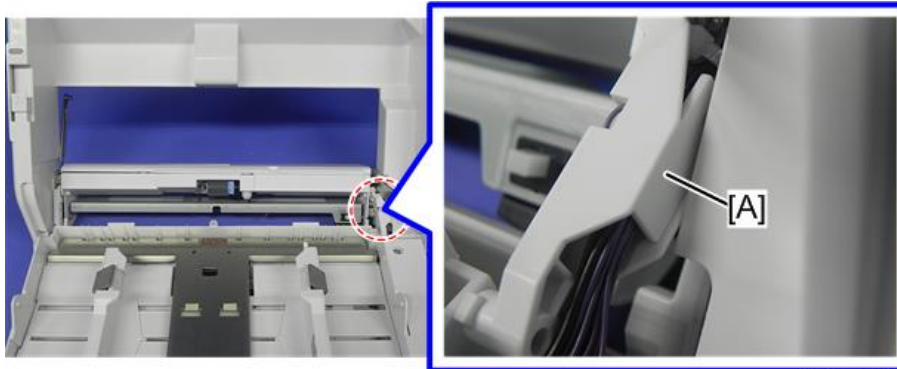
1. Disconnect the metal studs that connect the paper feed unit [A] to the bottom plate [B] of the bypass tray unit.



2. Disconnect the arms [A] and separate the paper feed unit and bottom plate of the bypass tray unit.

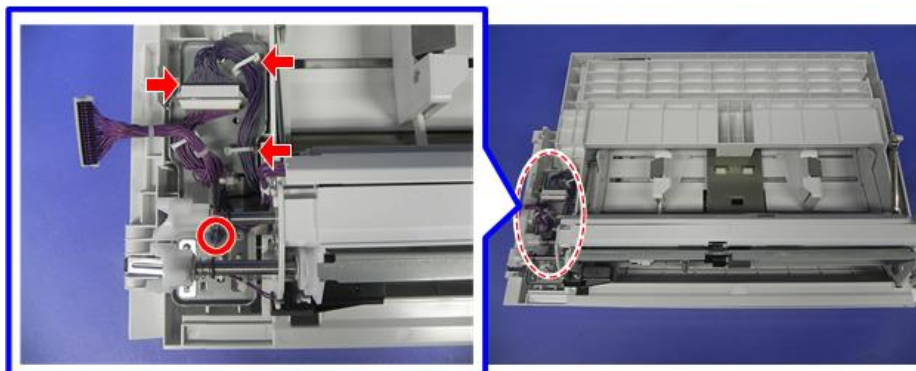


3. Remove the harness cover [A].



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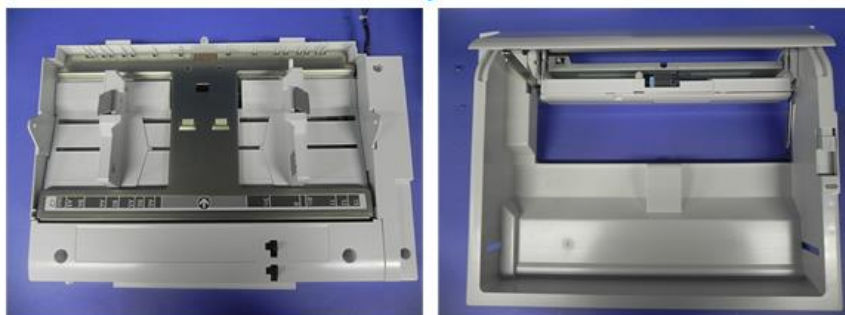
4. Disconnect the harness and the grounding wire.



⚙️ ×1 🔑 ×1 🛠️ ×2

d257a4113

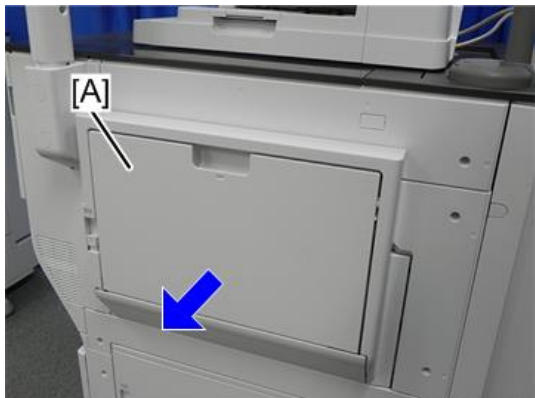
5. Pull out the harness and separate the bypass tray unit.



d257a4114

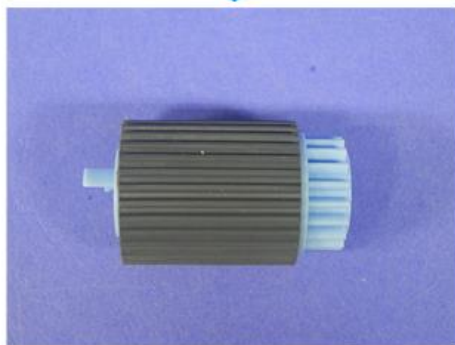
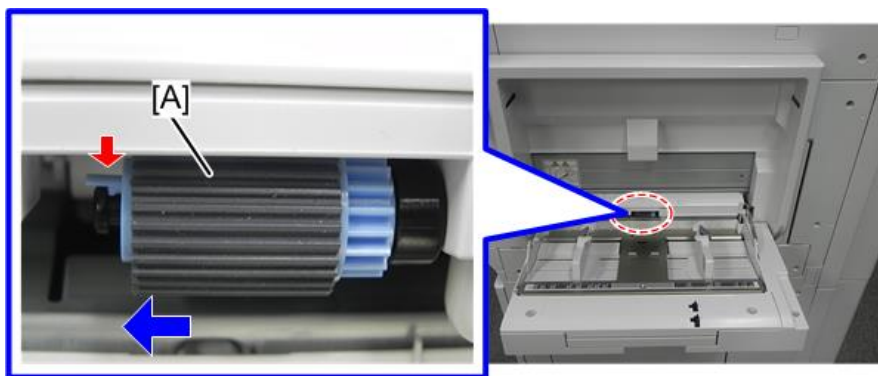
Bypass Pick-up Roller, Bypass Feed Roller, Bypass Separation Roller

1. Open the bypass tray [A].



d257a4135

2. Remove a hook and remove the bypass pick-up roller [A].



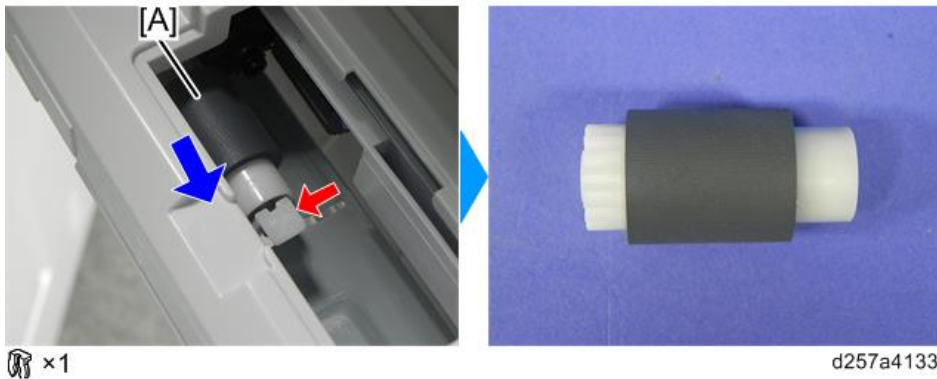
d257a4130

3. Open the bypass tray unit and remove the cover [A].

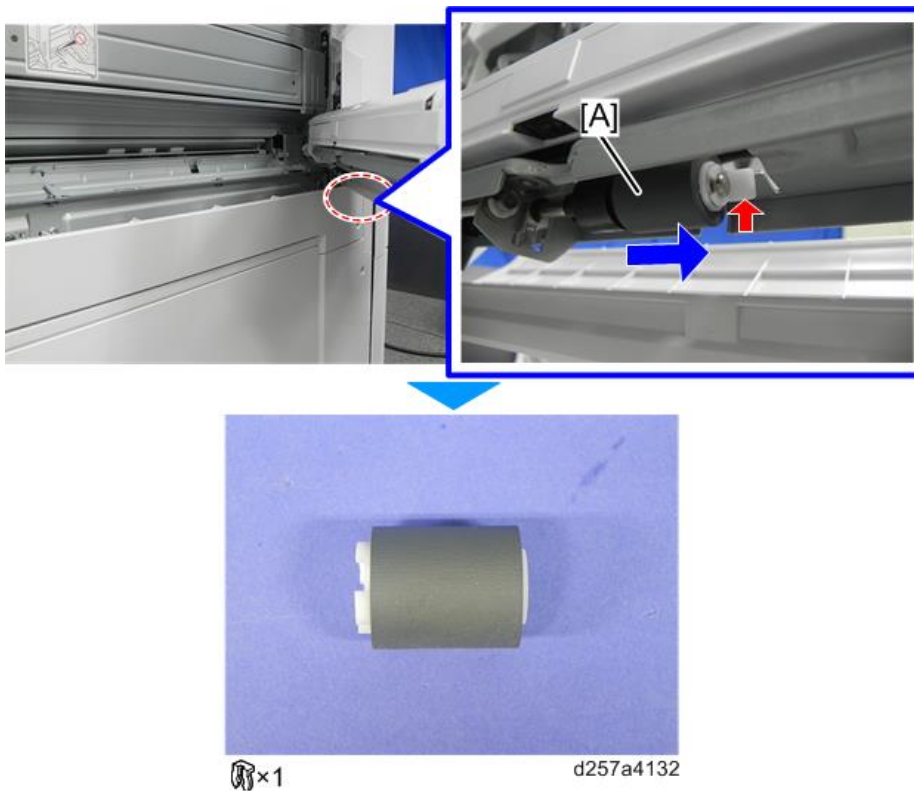


d257a4131

4. Remove the bypass feed roller [A].



5. Remove the bypass separation roller [A] from the back of the bypass tray unit.

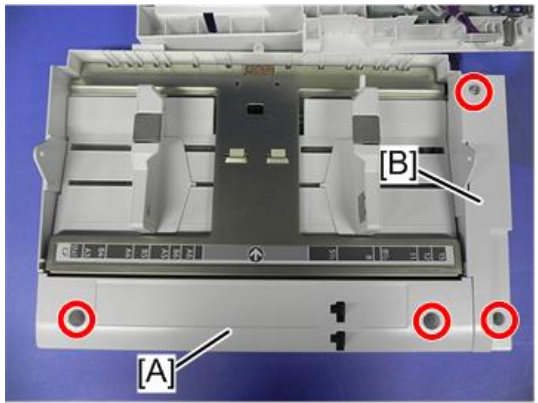


Bypass Tray Paper End Sensor

1. Separate the paper feed unit and bottom plate of the bypass tray unit. ([Bypass Tray Unit Separation](#))

4.Replacement and Adjustment

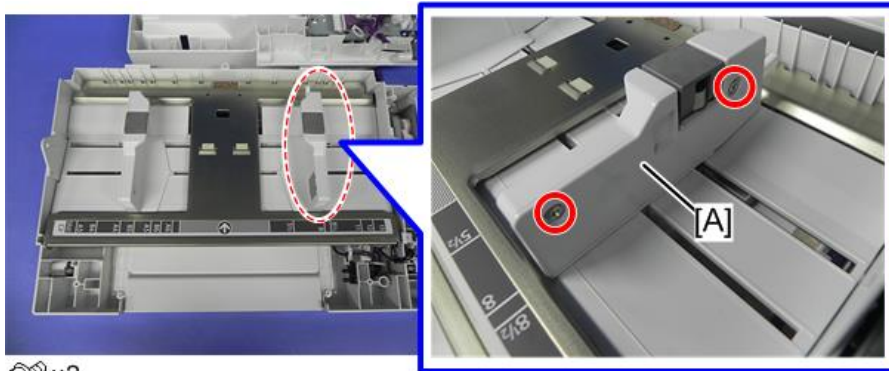
- 2.** Remove the cover [A] and the cover [B].



×4

d257a4080

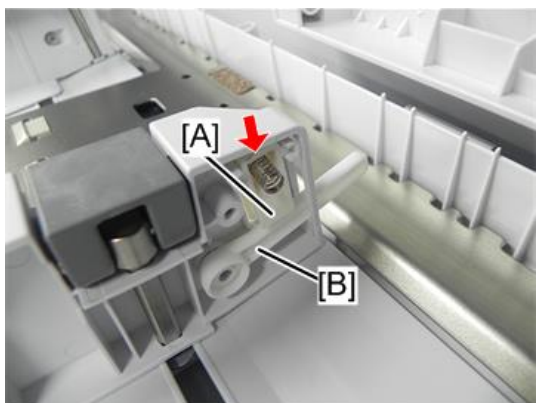
- 3.** Remove the side fence [A].



×2

d257a4081

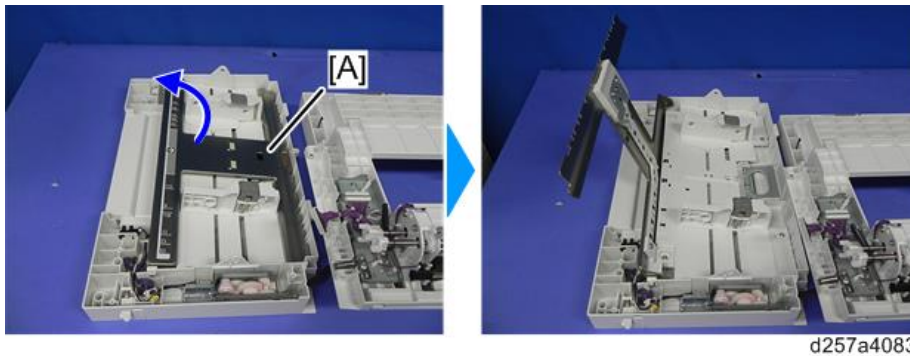
- 4.** Remove the pressure plate [A] and the link [B].



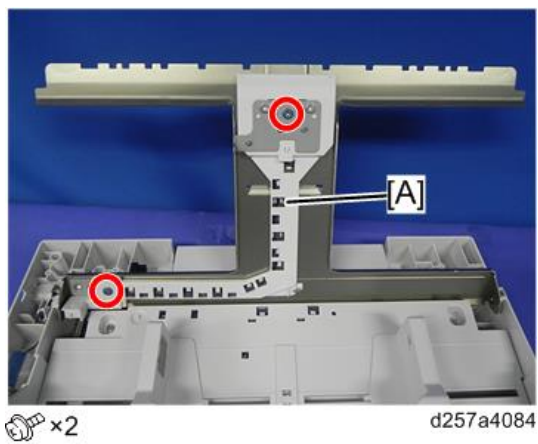
×1

d257a4082

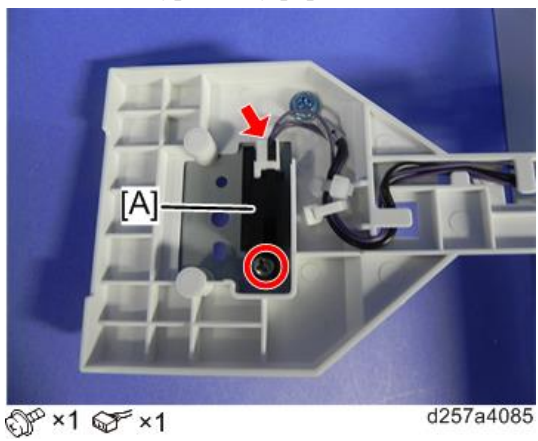
5. Turn over the bottom plate [A].



6. Remove the bracket [A].



7. Remove the bypass tray paper end sensor.

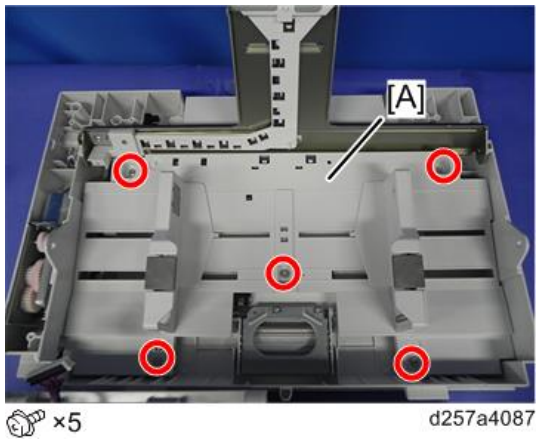


Bypass Paper Width Sensor

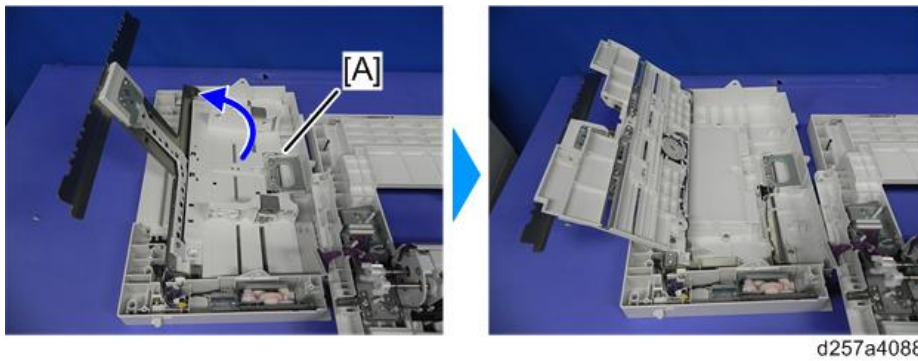
1. Turn over the bottom plate. (Bypass Tray Paper End Sensor)

4.Replacement and Adjustment

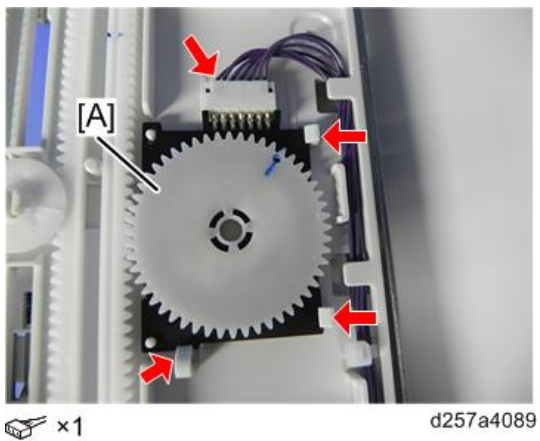
2. Remove the screws of the partition plate [A].



3. Turn over the partition plate [A].



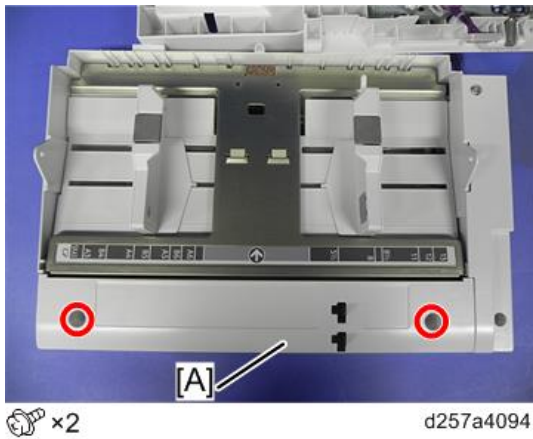
4. Remove the bypass paper width sensor from the hooks.



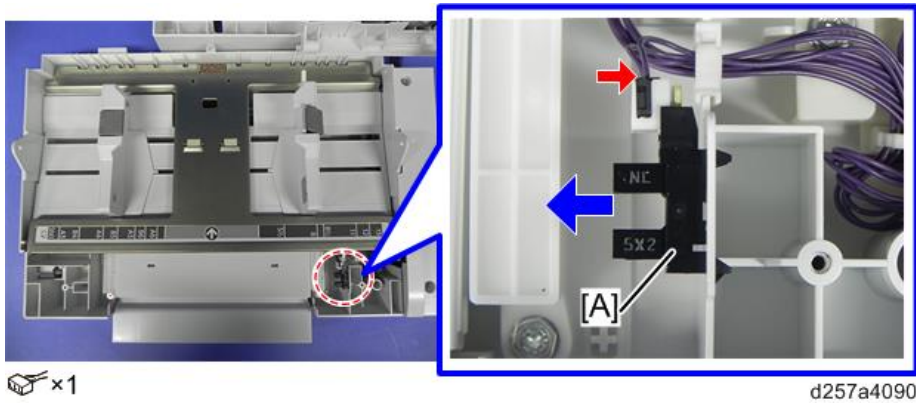
Bypass Paper Length Sensor

1. Separate the paper feed unit and bottom plate of the bypass tray unit. ([Bypass Tray Unit Separation](#))

2. Remove the cover [A].

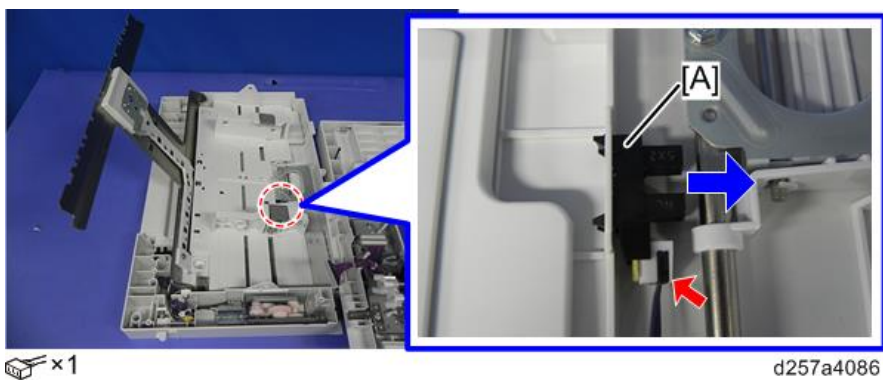


3. Remove the bypass paper length sensor [A].



Bypass Tray Lower Limit Sensor

1. Turn over the partition plate. (Bypass Paper Width Sensor)
2. Remove the bypass tray lower limit sensor [A].

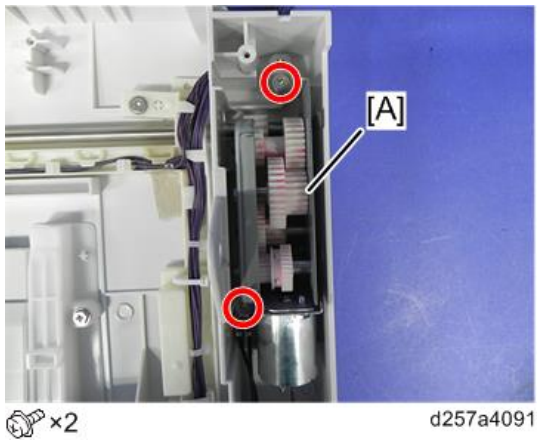


Bypass Tray Lift Motor

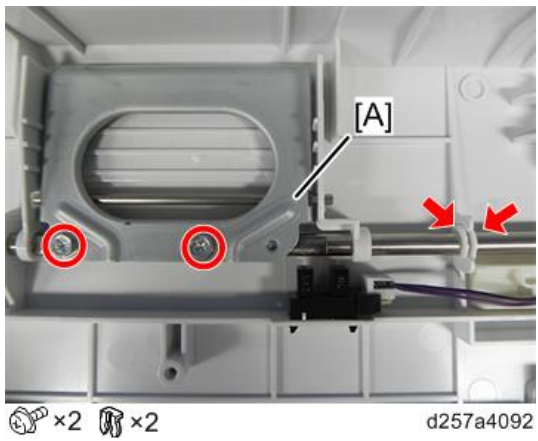
1. Turn over the partition plate. (Bypass Paper Width Sensor)

4.Replacement and Adjustment

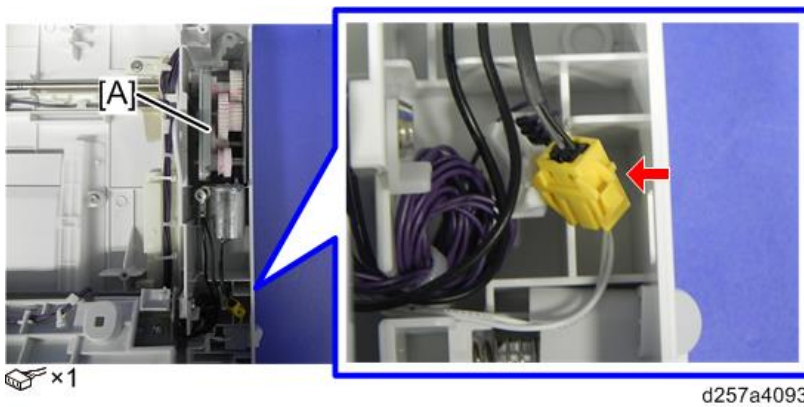
2. Remove the fixing screws of the bypass tray lift motor block.



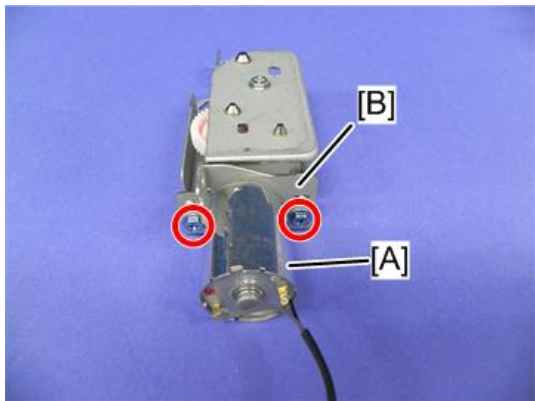
3. Remove the stay [A] (including the shaft) for the bypass tray lift motor block.



4. Remove the bypass tray lift motor block [A].



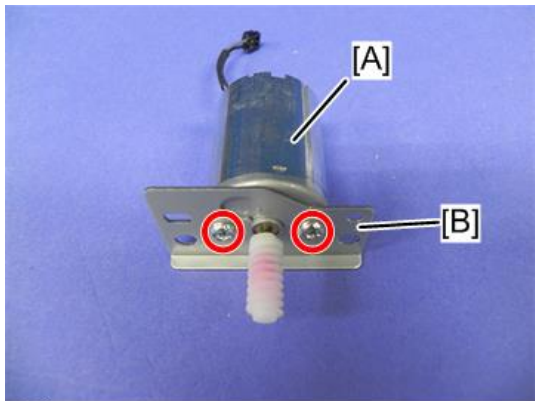
5. Remove the bypass tray lift motor [A] along with the bracket [B].



 x2

d257a4095

6. Remove the bypass tray lift motor [A] from the bracket [B].

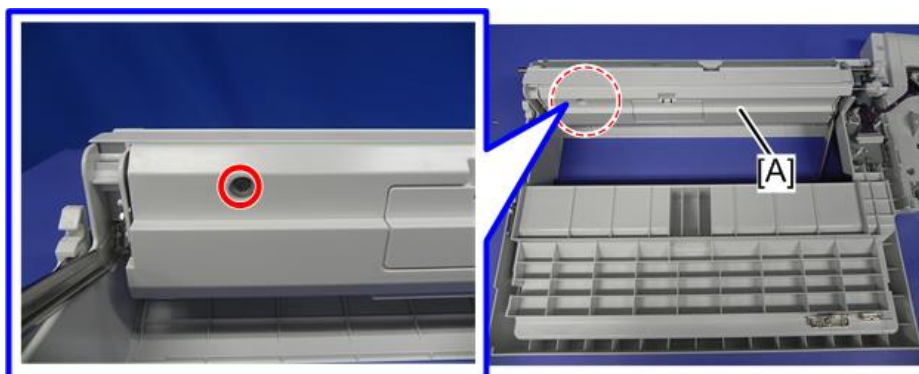


 x2

d257a4096

Bypass Tray Upper Limit Sensor, Bypass Paper Feed Sensor

1. Separate the paper feed unit and bottom plate of the bypass tray unit. ([Bypass Tray Unit Separation](#))
2. Remove the bypass paper feed unit cover [A].

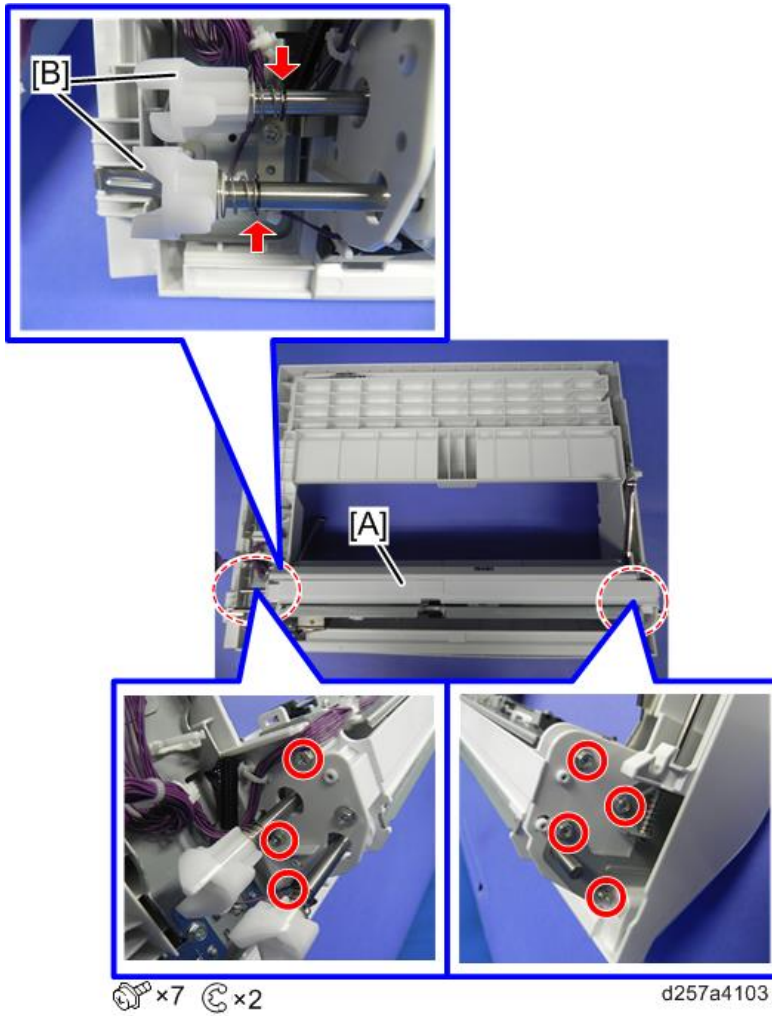


 x1

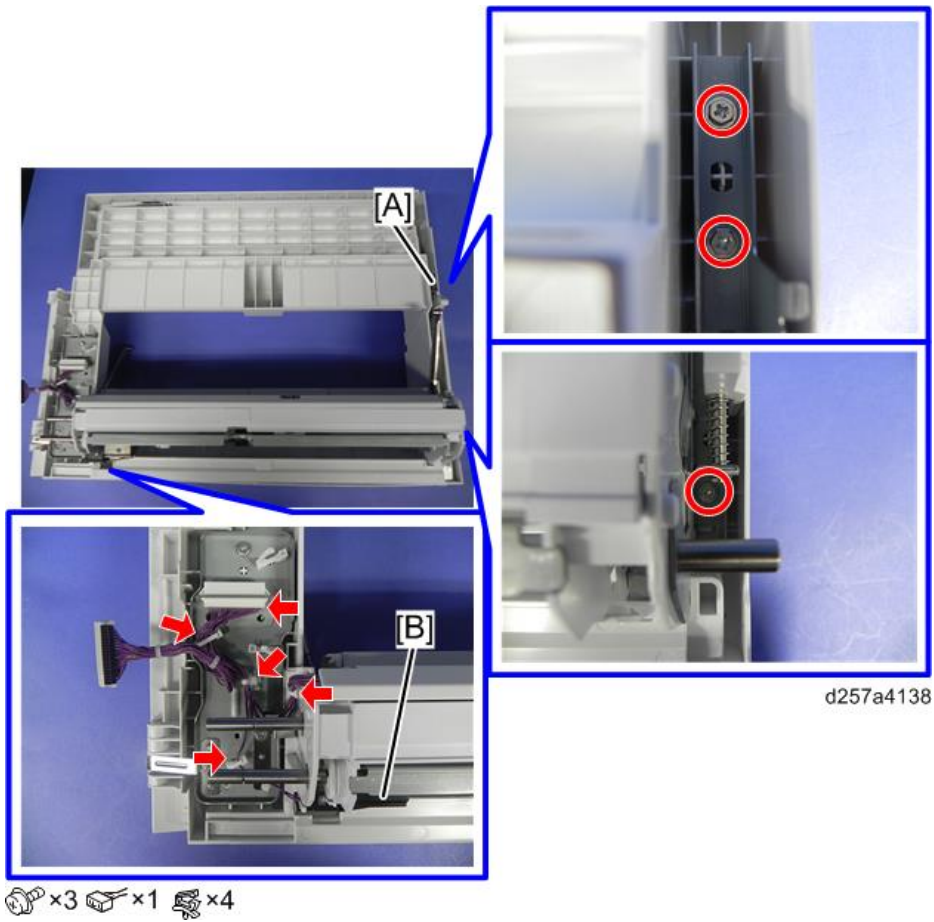
d257a4102

4.Replacement and Adjustment

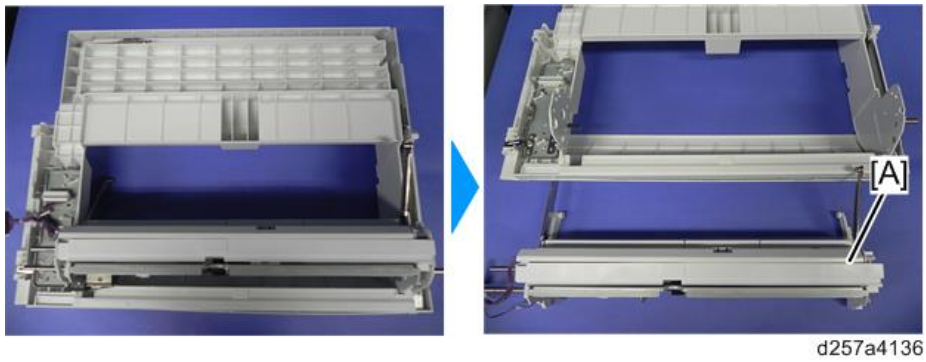
3. Remove the fixing screws and joints [B] of the bypass paper feed unit [A].



4. Remove the bracket [A], the cover [B] and connectors.

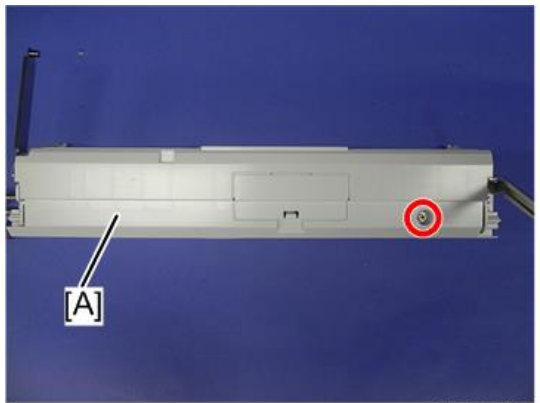


5. Remove the paper feed unit [A].



4.Replacement and Adjustment

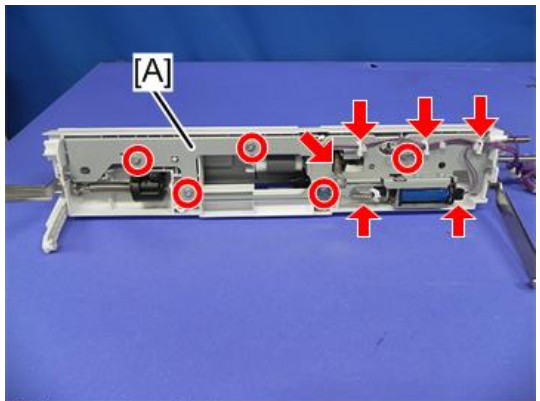
6. Remove the cover [A].



⚙️ x1

d257a4137

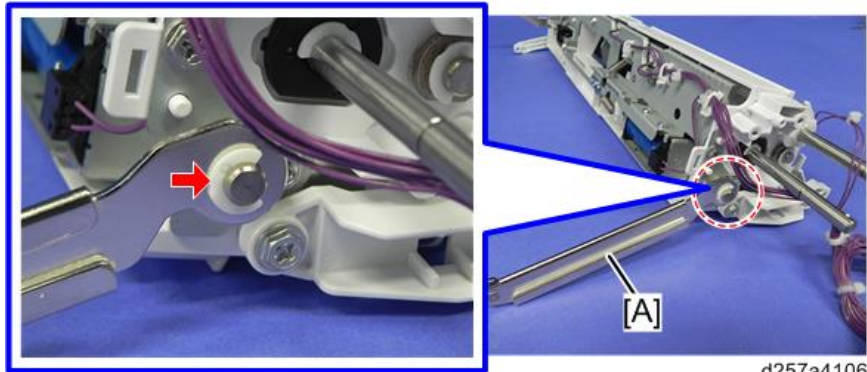
7. Remove the screws from the bracket [A].



⚙️ x5 ⚙️ x1 ⚙️ x3 ⚙️ x2

d257a4105

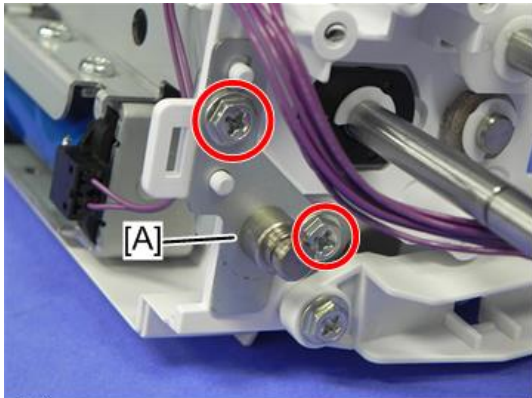
8. Remove the arm [A].



⚙️ x1

d257a4106

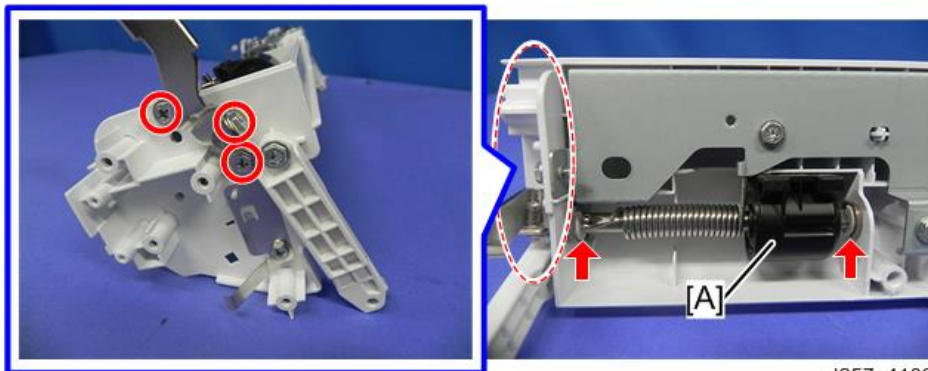
9. Remove the bracket [A].



🔩 ×2

d257a4107

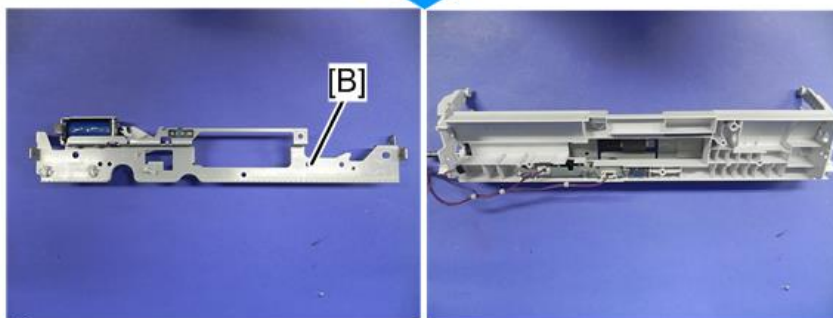
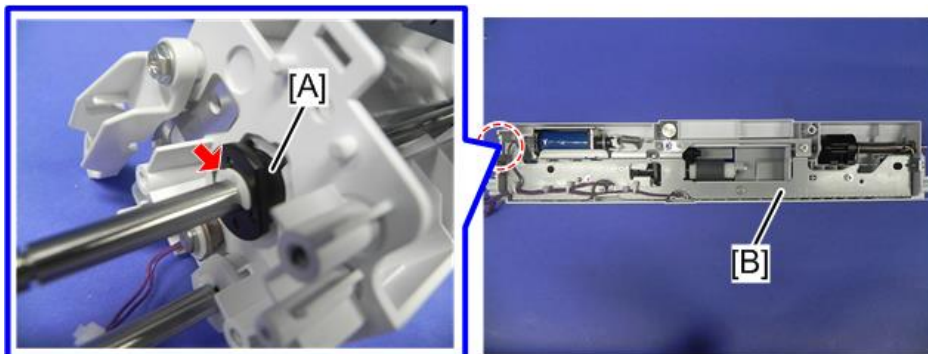
10. Remove the fixing screws and the damper [A] of the bracket.



🔩 ×3 🌀 ×2

d257a4108

11. Remove the bearing [A] and remove the bracket [B].

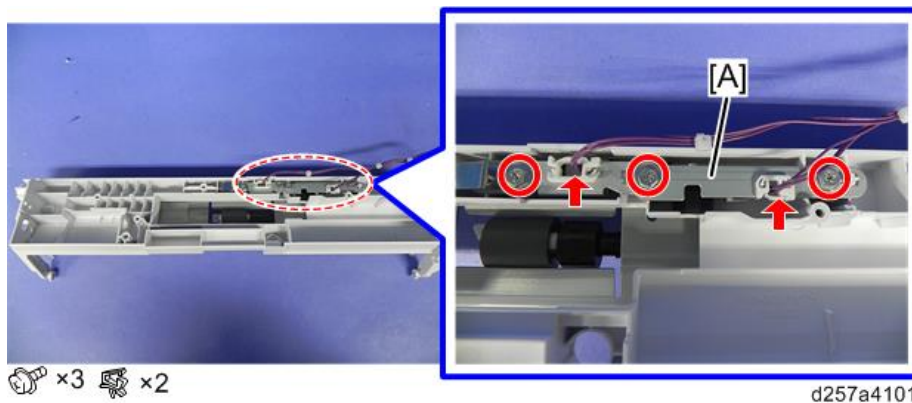


🌀 ×1

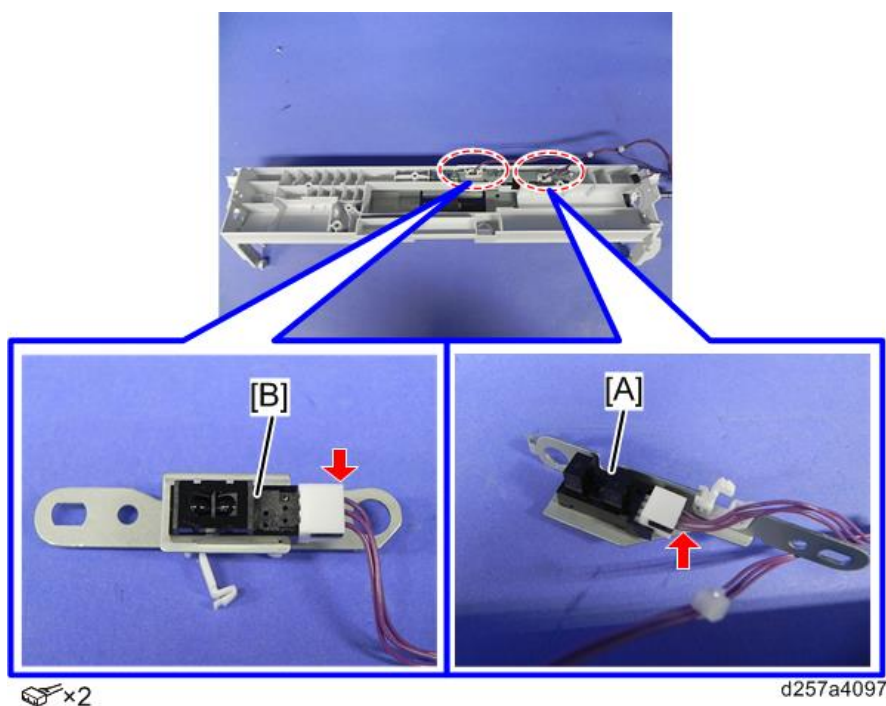
d257a4109

4.Replacement and Adjustment

12. Remove the bracket [A].



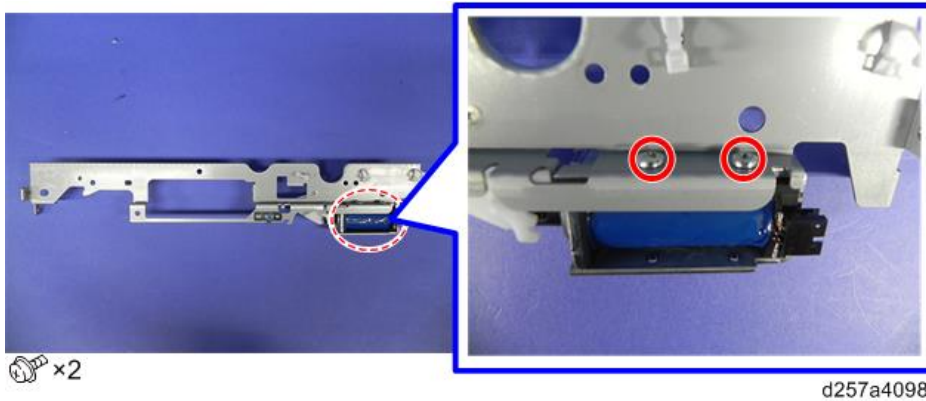
13. Remove the bypass tray upper limit sensor [A] and the bypass paper feed sensor [B].



Bypass Pick-up Solenoid

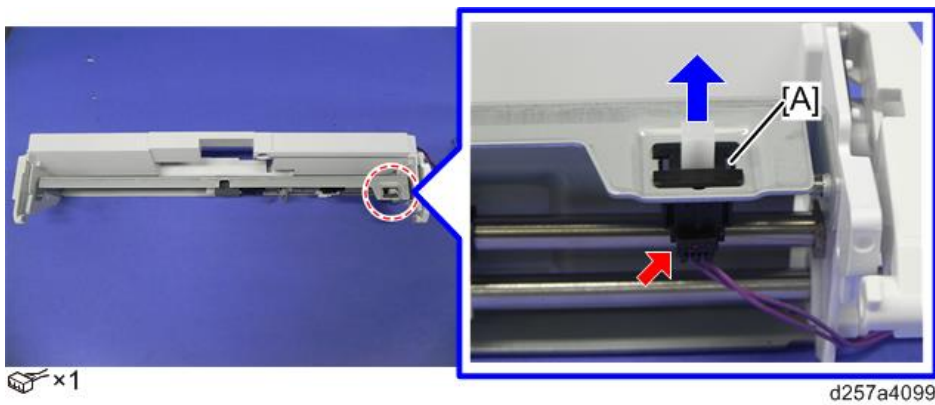
1. Remove the bracket of the bypass paper feed unit. ([Bypass Tray Upper Limit Sensor](#), [Bypass Paper Feed Sensor](#))

2. Remove the bypass pick-up solenoid [A].



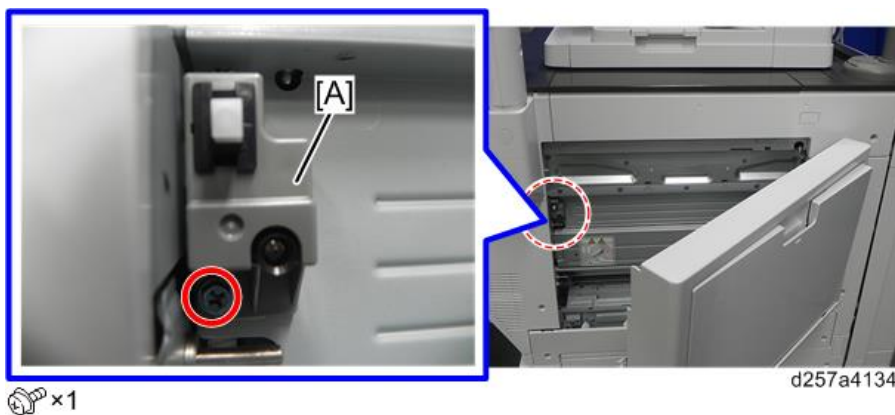
Bypass Tray Set Sensor

1. Remove the bracket of the bypass paper feed unit. (*Bypass Tray Upper Limit Sensor, Bypass Paper Feed Sensor*)
2. Remove the bypass tray set sensor [A].



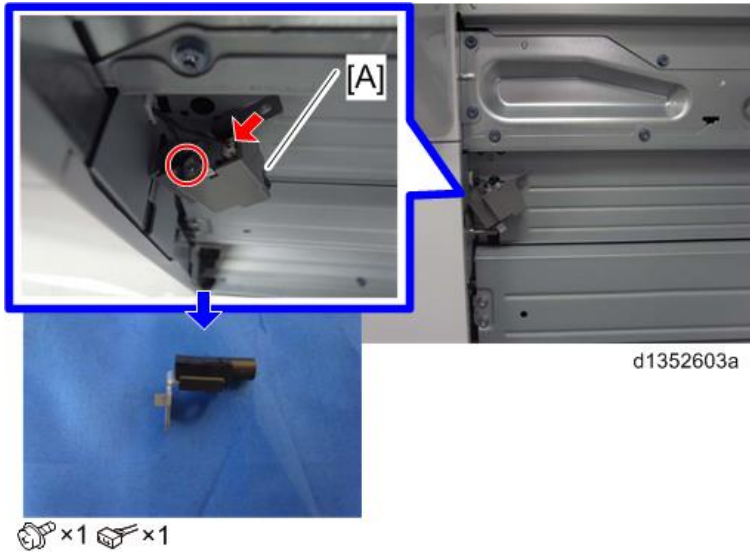
Bypass Tray LED

1. Open the bypass tray unit and remove the LED cover [A].



4.Replacement and Adjustment

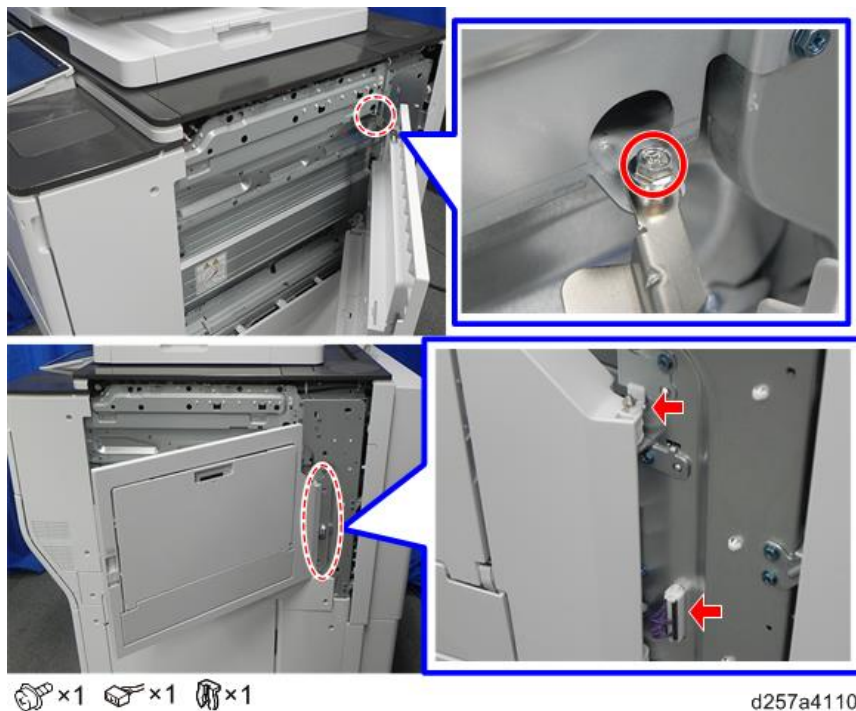
2. Remove the bypass tray LED [A].



Bypass Tray Unit (MP C6503/C8003)

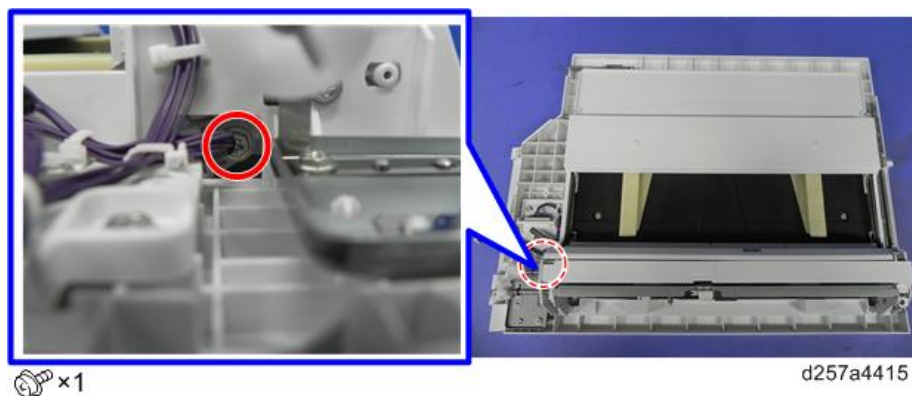
Bypass Tray Unit Removal

1. Remove the right middle rear cover. ([Right Middle Rear Cover \(MP C6503/C8003\)](#))
2. Remove the bypass tray unit [A] from the machine.



Bypass Tray Unit Separation

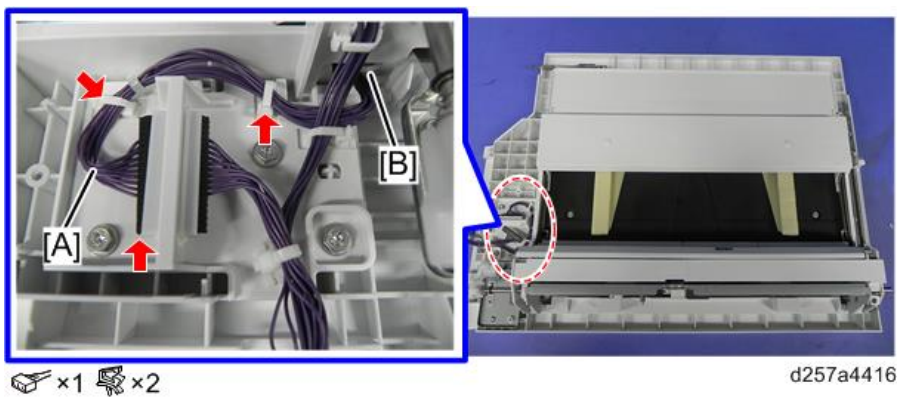
1. Remove the screw.



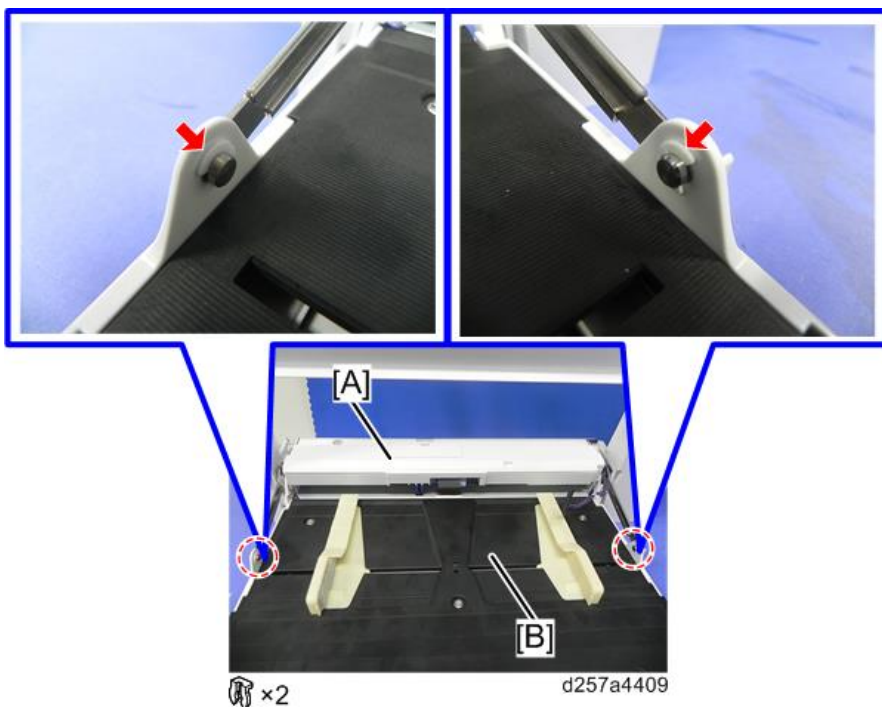
2. Open the bypass tray.

4.Replacement and Adjustment

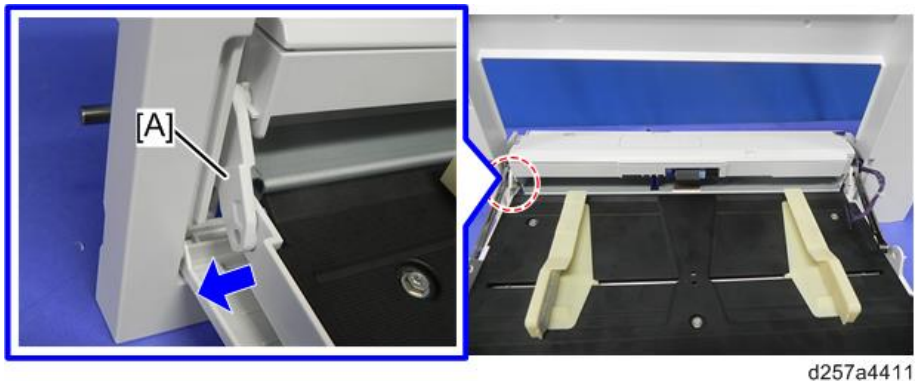
3. Pass the harness [A] through the hole [B].



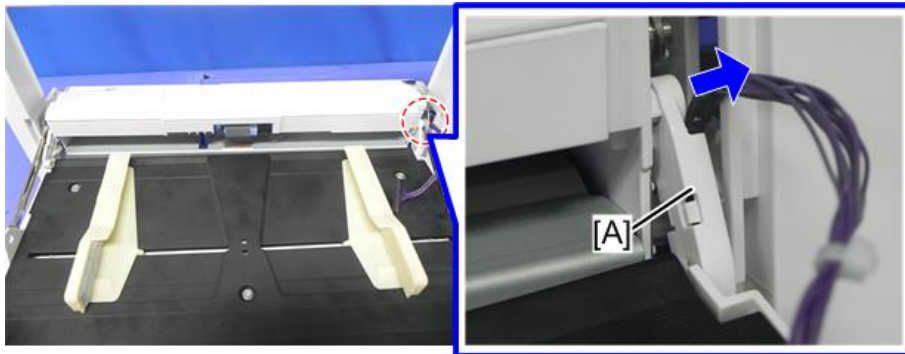
4. Separate the paper feed unit [A] and bottom plate [B] of the bypass tray unit.



5. Disconnect the arm [A] at the front side.

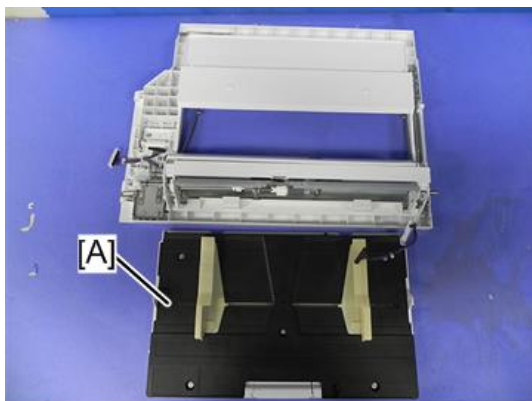


6. Disconnect the arm [A] at the rear side.



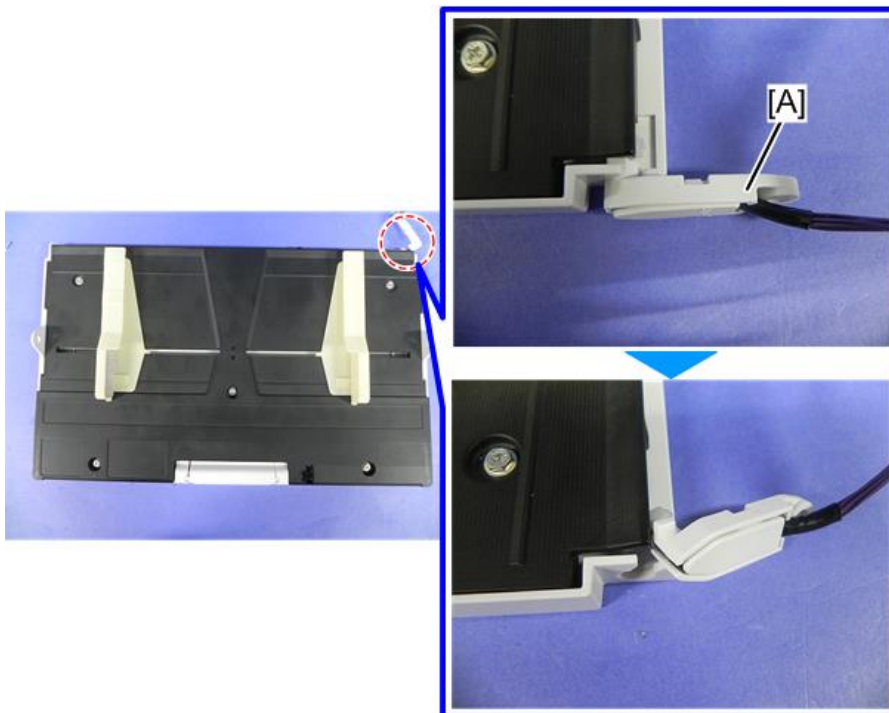
d257a4412

7. Remove the bypass tray [A].



d257a4413

8. Remove the arm [A].



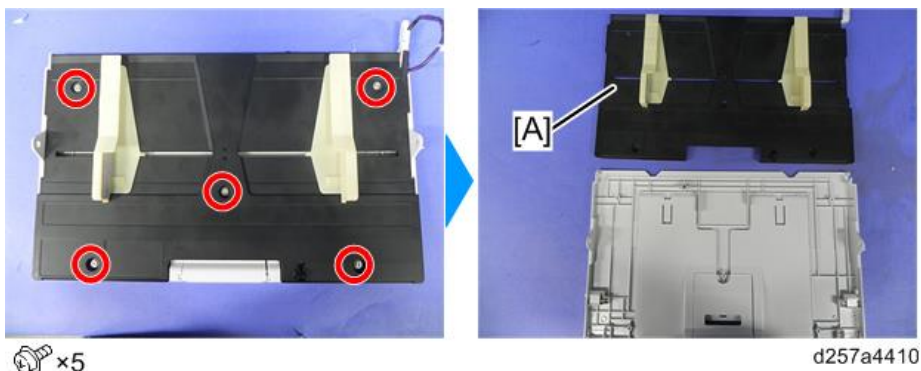
d257a4414

Note

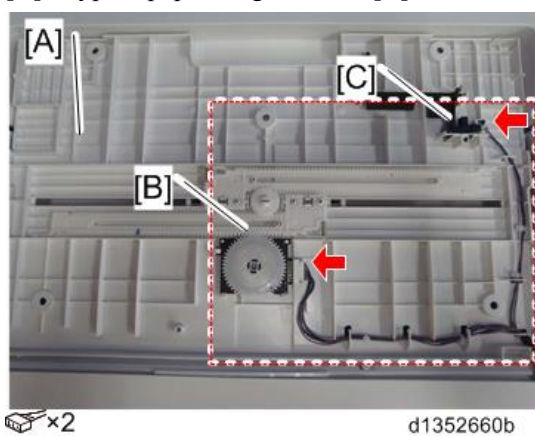
- Move the arm out of the hole, or the harness might be snapped.

4.Replacement and Adjustment

- 9.** Remove the bottom plate [A] of the bypass tray.

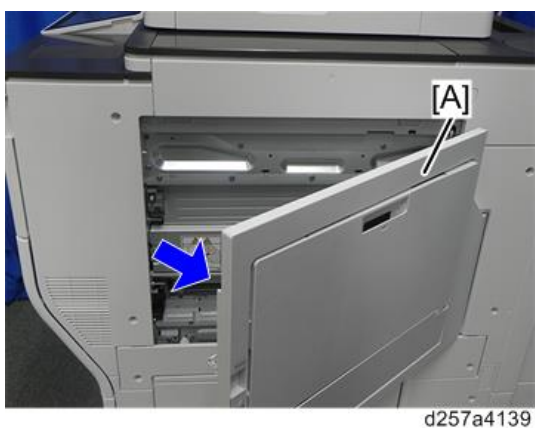


- 10.** Turn over the bypass tray [A], then disconnect the connectors and clamps of the bypass paper width sensor [B] / bypass paper length sensor [C].

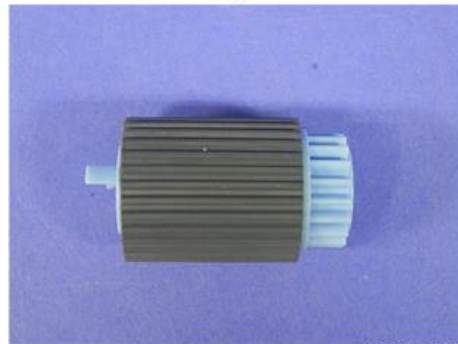
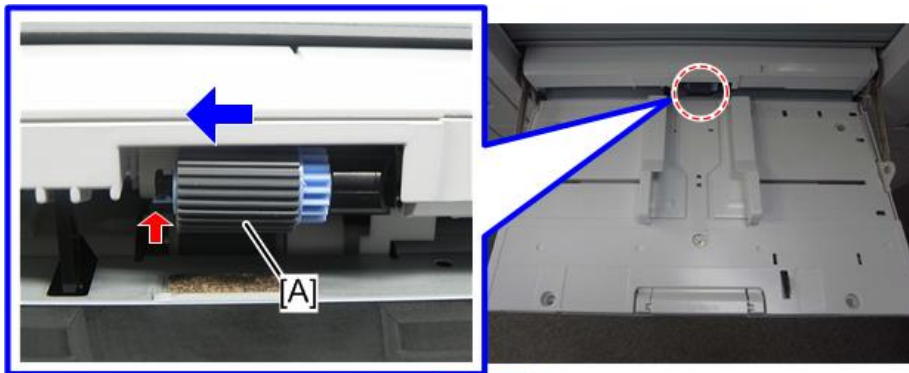


Bypass Pick-up Roller, Bypass Feed Roller, Bypass Separation Roller

- 1.** Open the bypass tray [A].

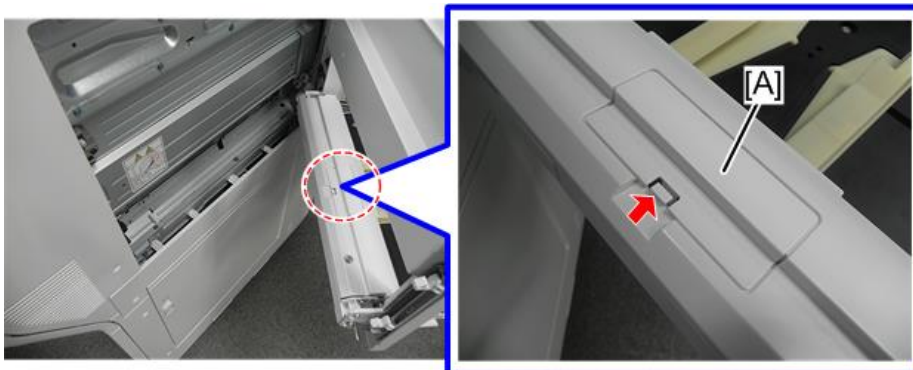


2. Remove a hook and remove the bypass pick-up roller [A].



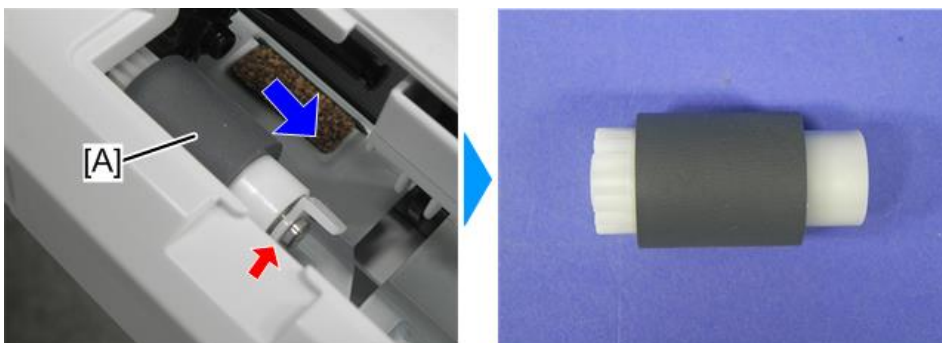
d257a4115

3. Open the bypass tray unit and remove the cover [A].



d257a4116

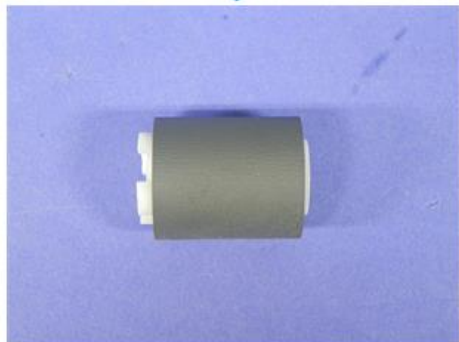
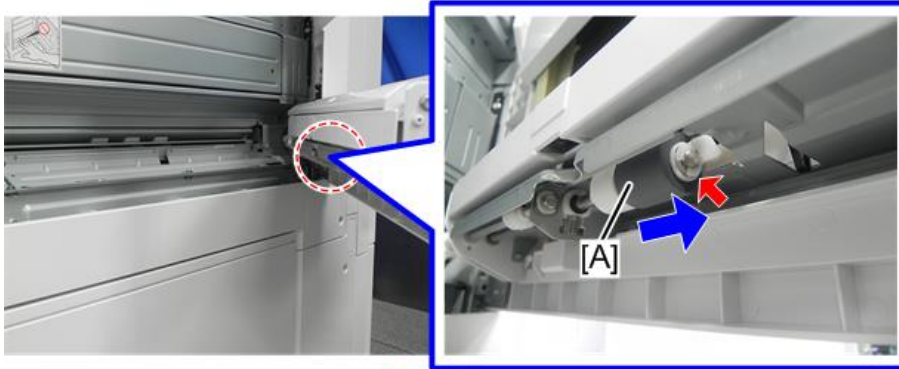
4. Remove the bypass feed roller [A].



d257a4117

4.Replacement and Adjustment

5. Remove the bypass separation roller [A] from the back of the bypass tray unit.

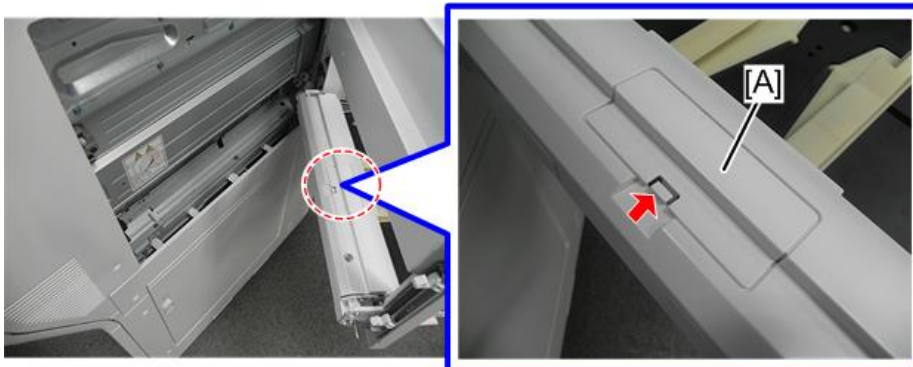


×1

d257a4118

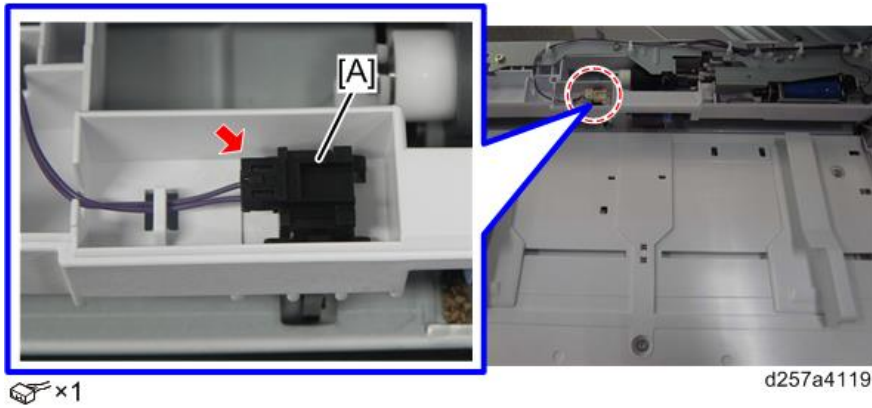
Bypass Tray Paper End Sensor

1. Open the bypass tray.
2. Remove the paper feed unit cover [A].



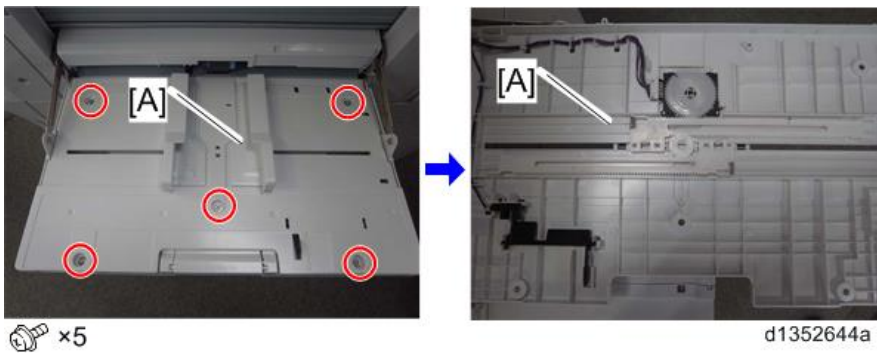
d257a4116

3. Remove the bypass tray paper end sensor [A].

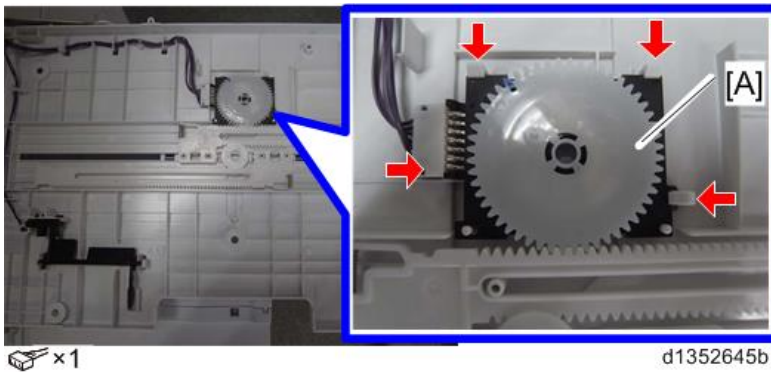


Bypass Paper Width Sensor

1. Open the bypass tray.
2. Remove the bottom plate [A] of the bypass tray and turn it over.



3. Remove the hooks and remove the bypass paper width sensor [A].

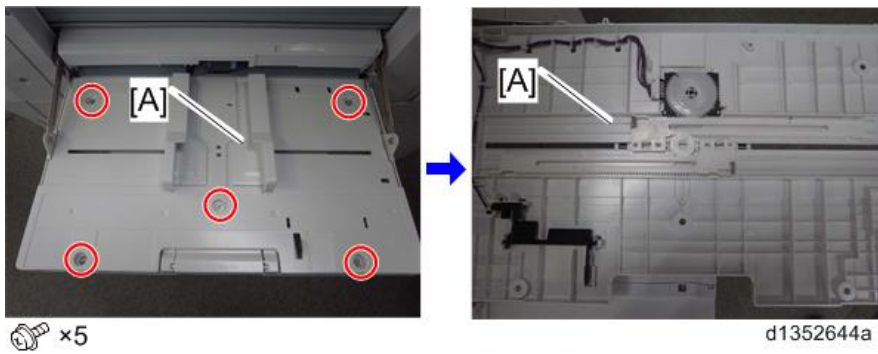


Bypass Paper Length Sensor

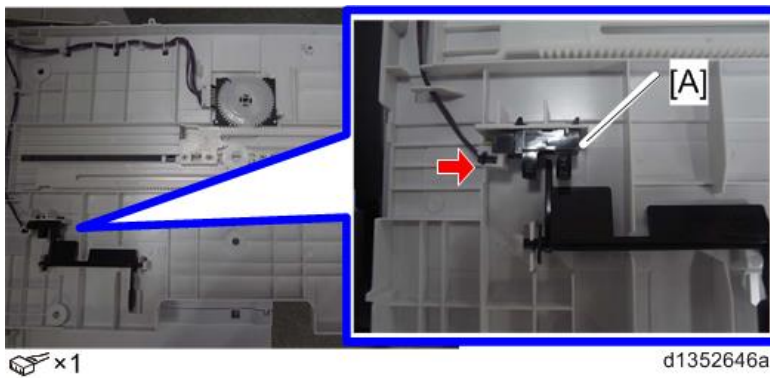
1. Open the bypass tray.

4.Replacement and Adjustment

2. Remove the bottom plate [A] of the bypass tray and turn it over.



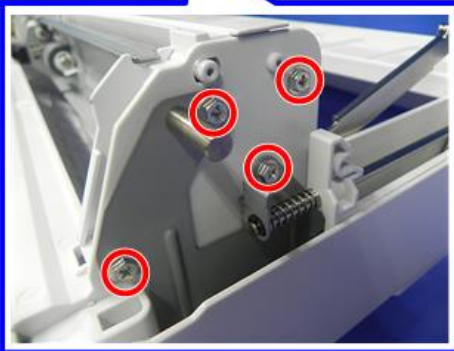
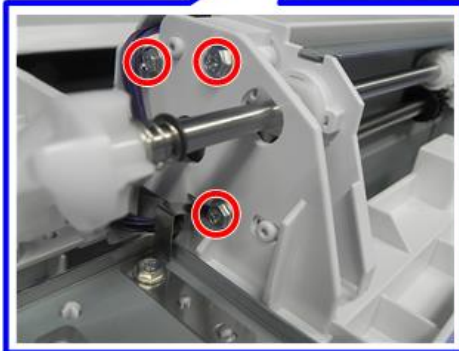
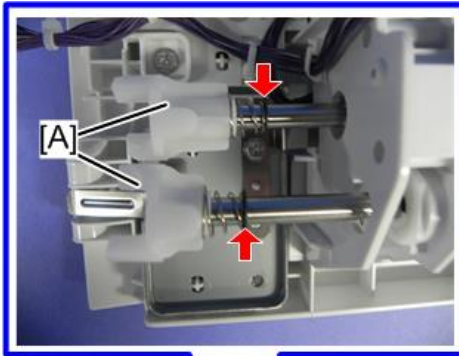
3. Remove the bypass paper length sensor [A].



Bypass Paper Feed Sensor

1. Separate the paper feed unit and bottom plate of the bypass tray unit. ([Bypass Tray Unit Separation](#))

2. Remove the fixing screws and joints [A] of the bypass paper feed unit.

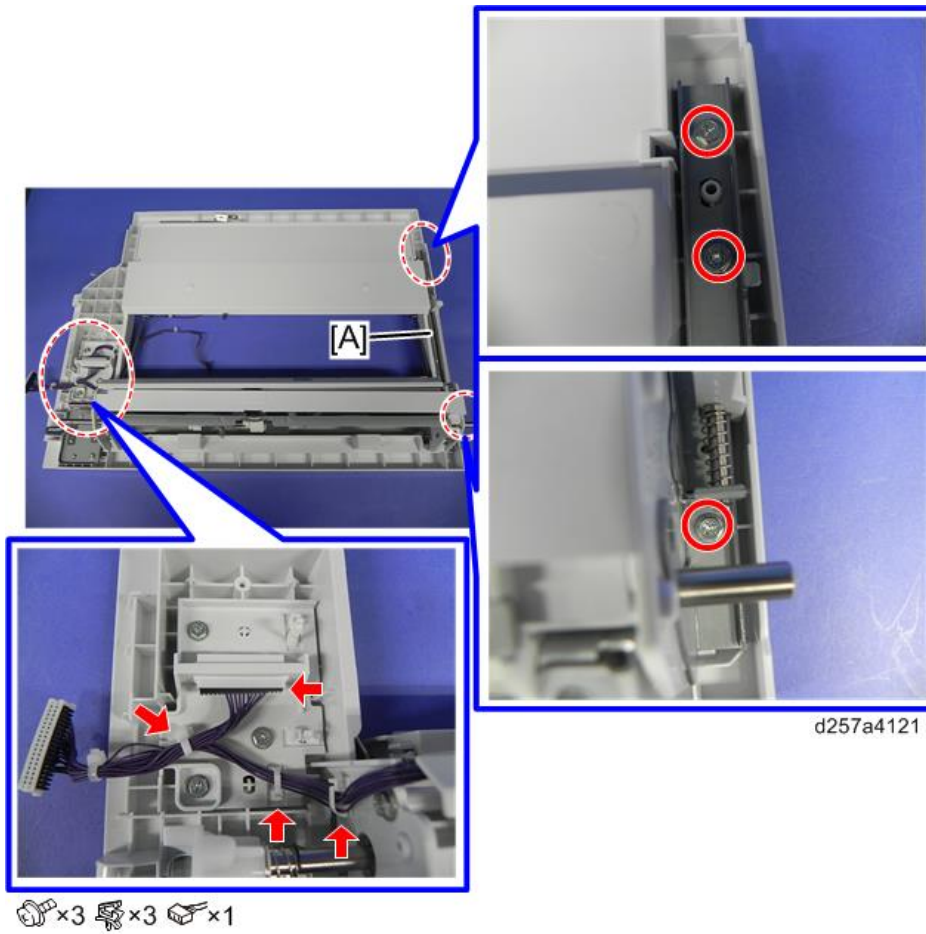


 x7  x2

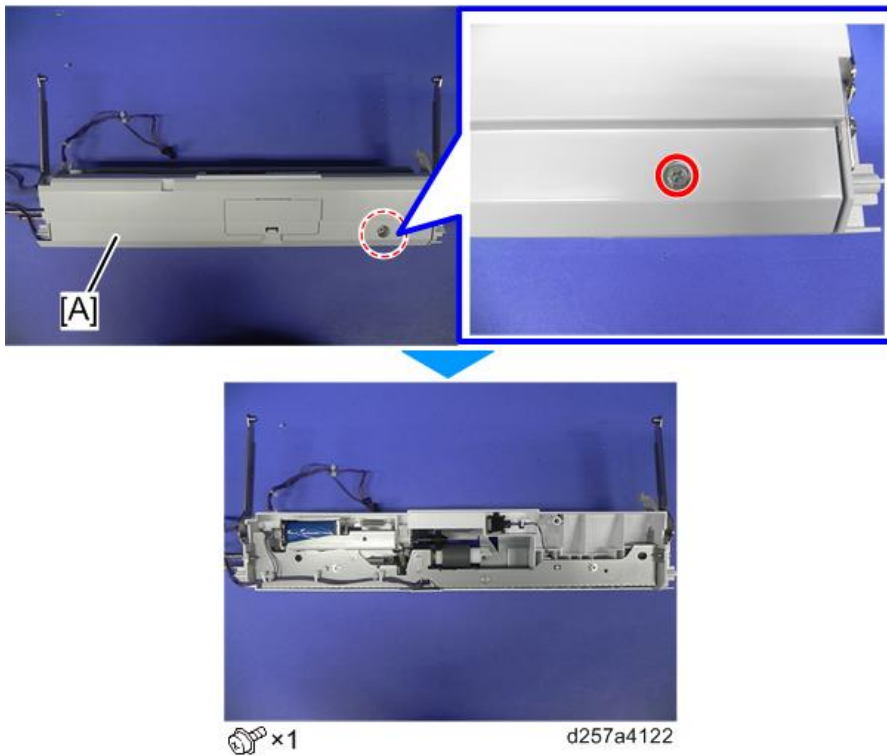
d257a4120

4.Replacement and Adjustment

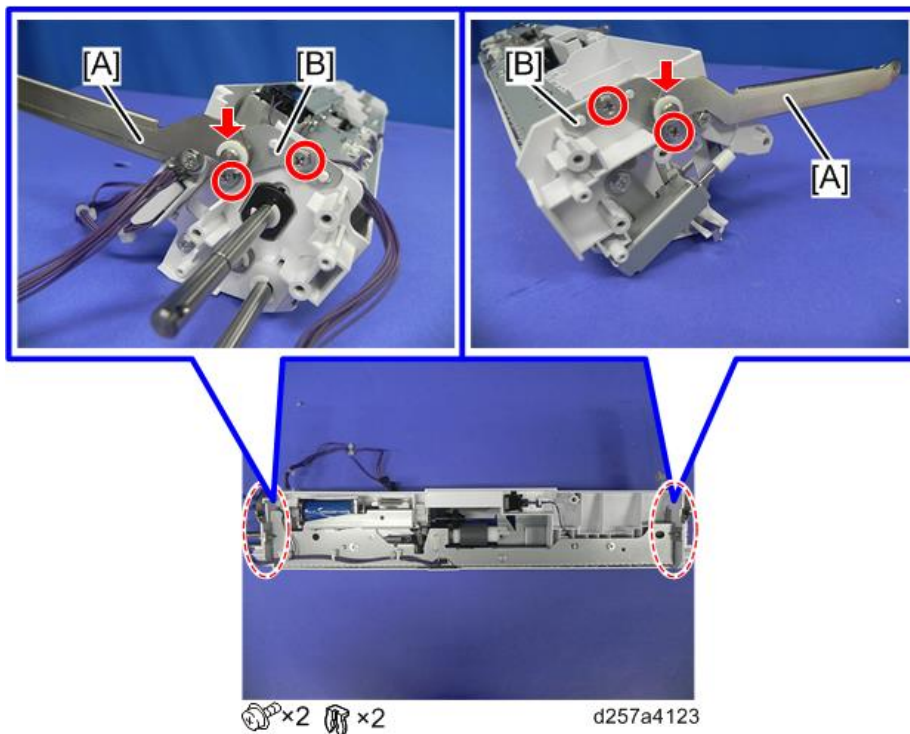
- 3.** Remove the bracket [A] and connectors, then take out the paper feed unit.



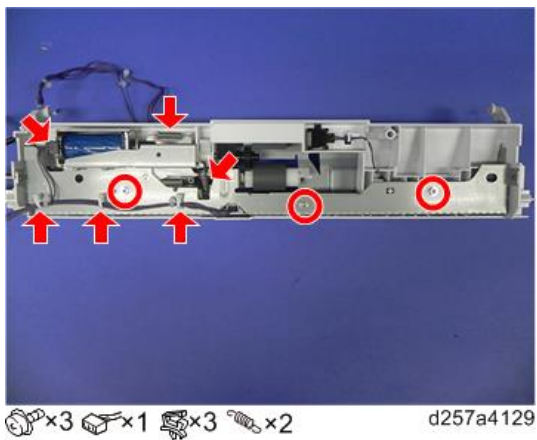
- 4.** Remove the bypass paper feed unit cover [A].



5. Remove the arm [A] and the bracket [B].



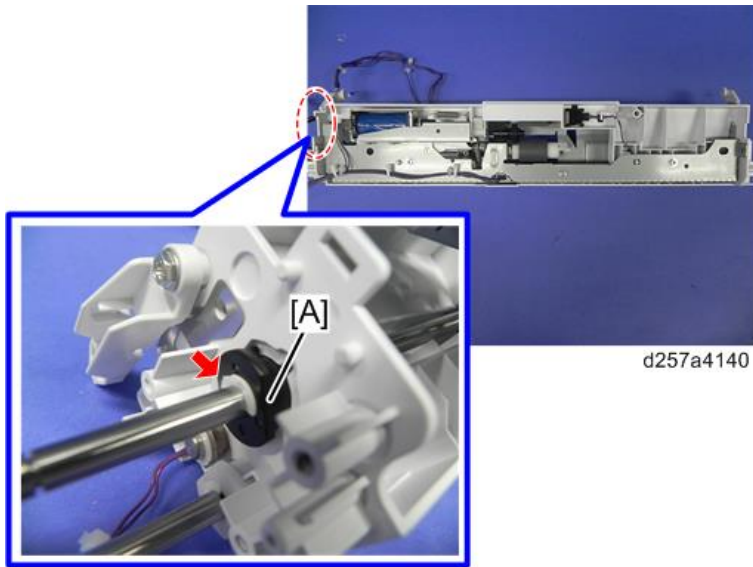
6. Remove the screws and springs, open the clamps, and disconnect the connector.



7. Remove the bypass pick-up roller and the bypass feed roller. (Bypass Pick-up Roller, Bypass Feed Roller, Bypass Separation Roller)

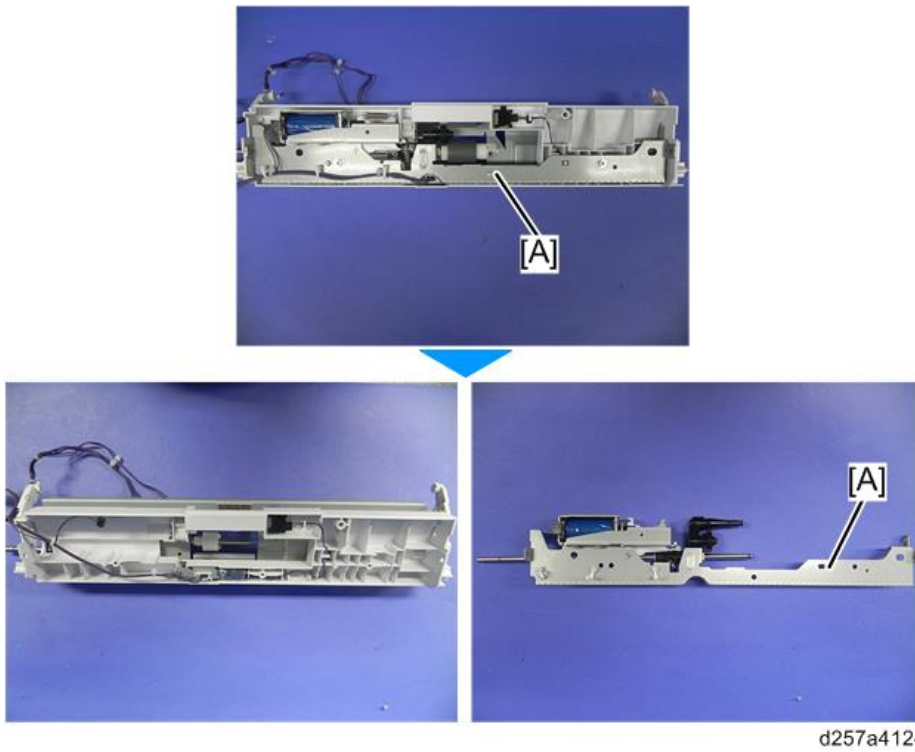
4.Replacement and Adjustment

- 8.** Remove the bearing [A].

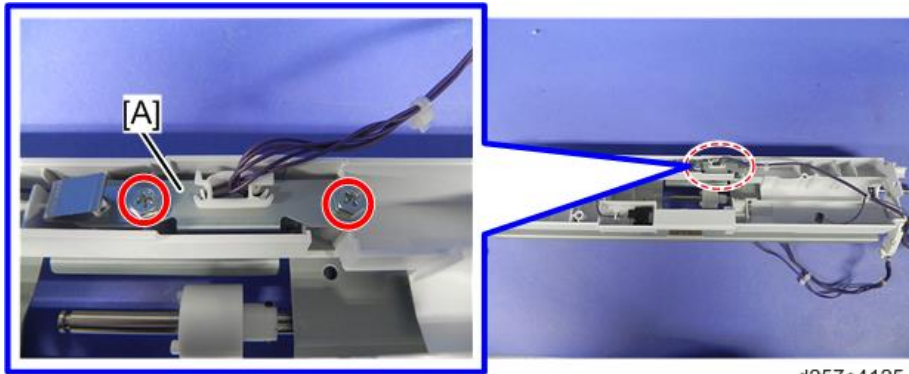


 ×1

- 9.** Lift the bracket [A] to remove it.

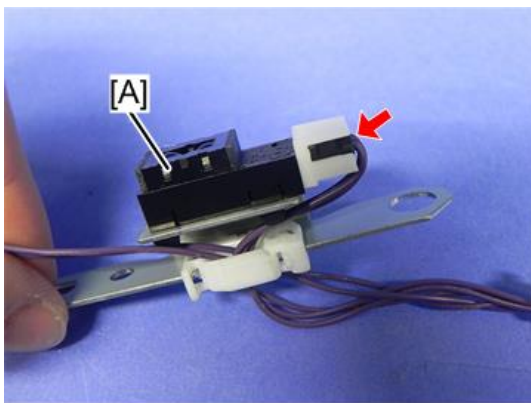


10. Remove the bracket [A].



🔧 ×2

11. Remove the bypass paper feed sensor [A].

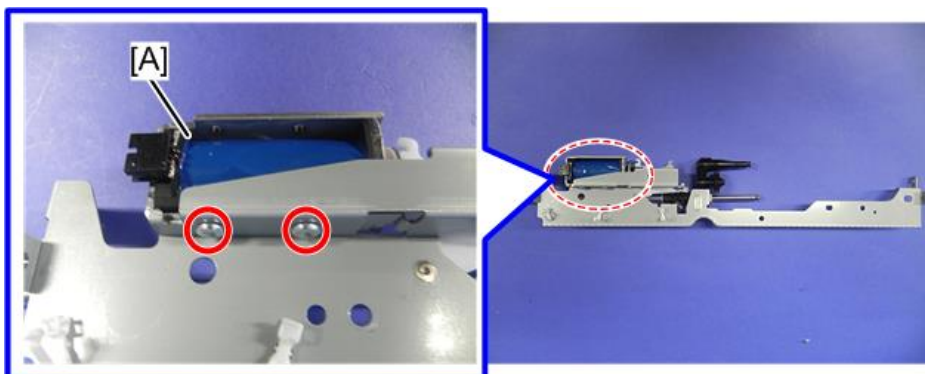


🔧 ×1

Bypass Pick-up Solenoid

1. Remove the bracket of the bypass paper feed unit. ([Bypass Paper Feed Sensor](#))

2. Remove the bypass pick-up solenoid [A].

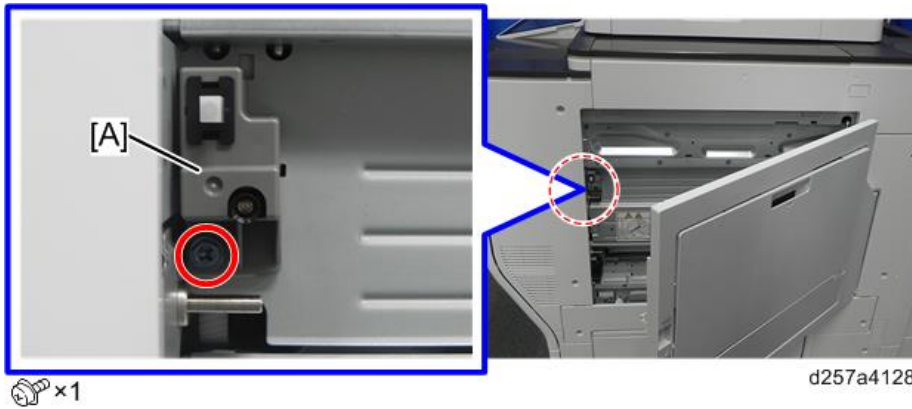


🔧 ×2

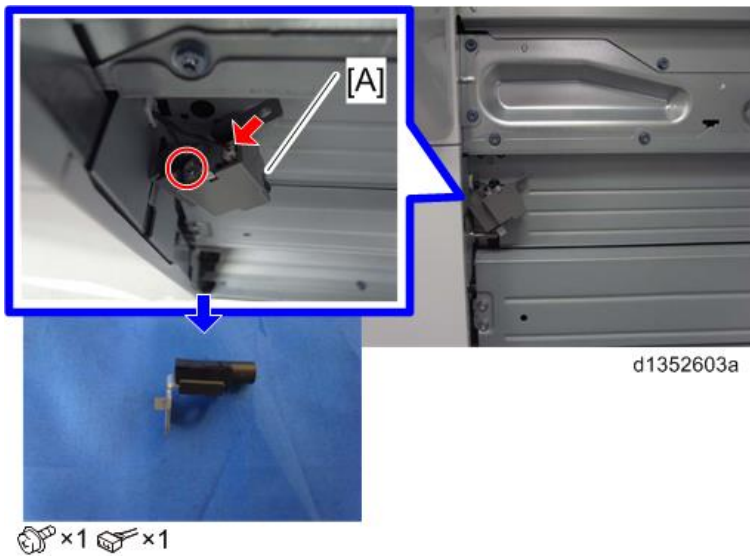
4.Replacement and Adjustment

Bypass Tray LED

1. Open the bypass tray unit and remove the LED cover [A].



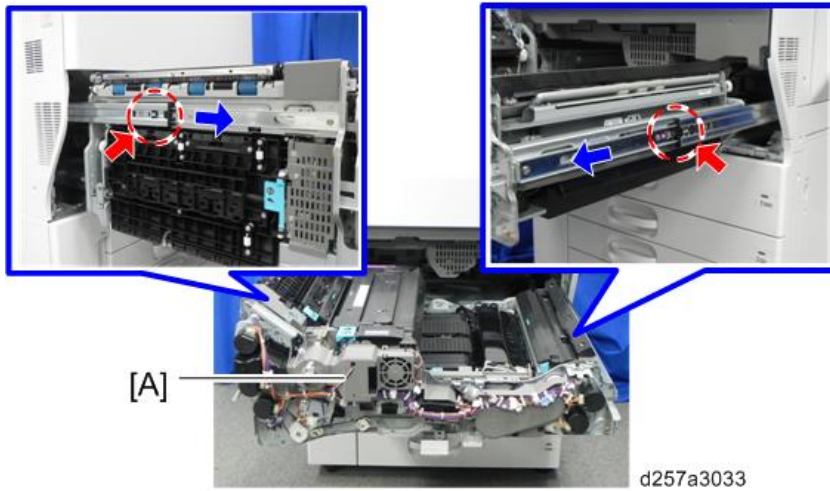
2. Remove the bypass tray LED [A].



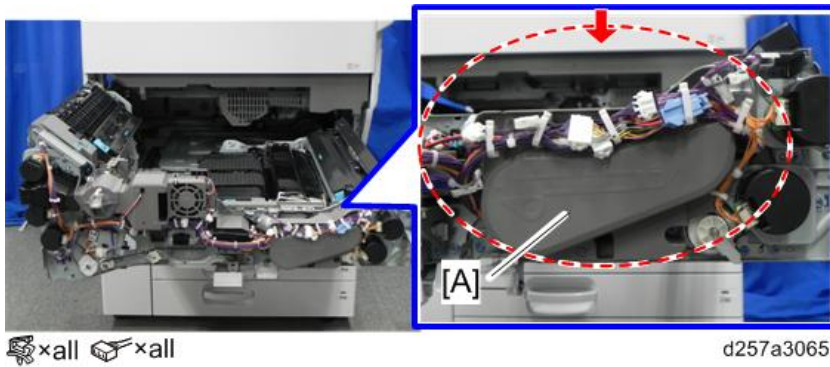
Paper Relay and Registration Section

Registration Unit

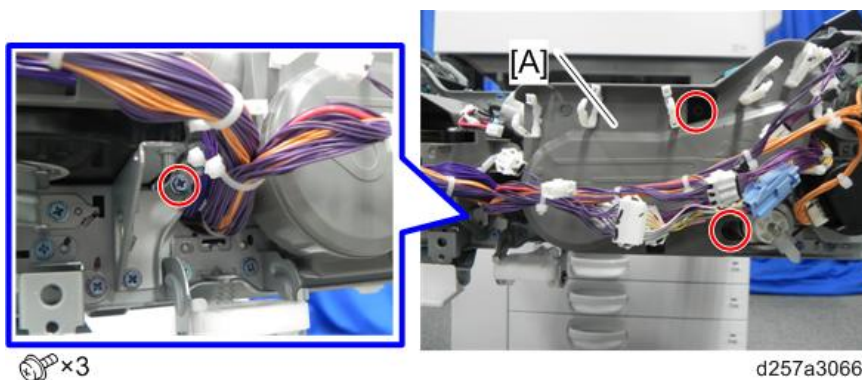
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. In order to facilitate the work, press the release lever to fully open the drawer unit [A].



3. Remove the connectors and clamps to remove the drawer unit lock motor cover [A].

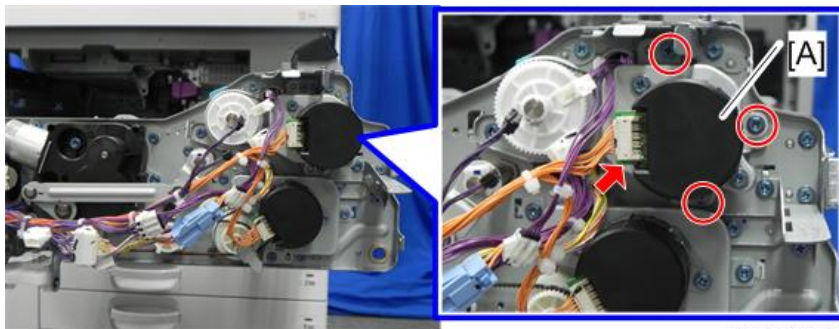


4. Remove the drawer unit lock motor cover [A].



4.Replacement and Adjustment

5. Remove the registration motor [A] along with the bracket.

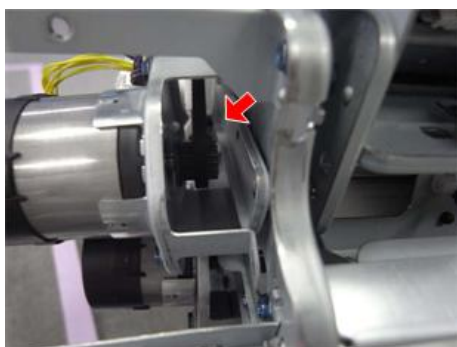


 x3  x1

d257a3067

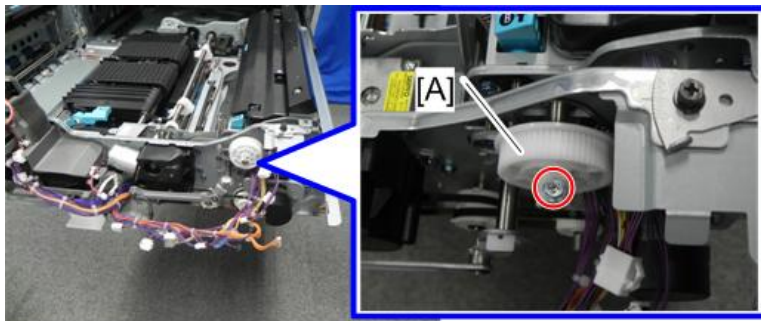
Note

- When installing the motor, attach the timing belt.



d1352399

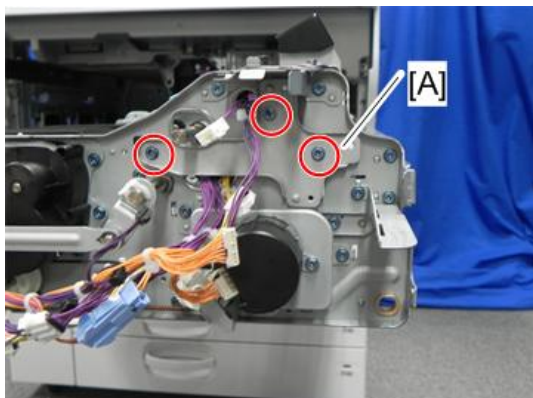
6. Remove the timing pulley [A].



 x1

d257a3068

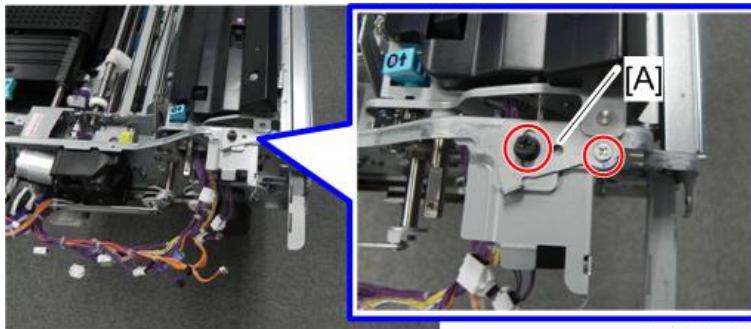
7. Remove the positioning bracket [A].



 x3

d257a3069

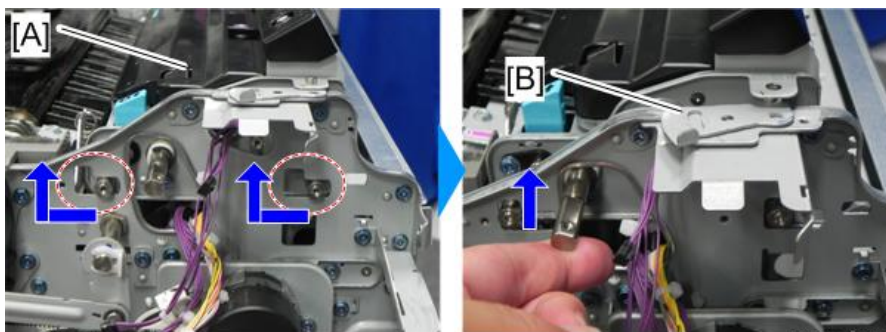
- 8.** Remove the fixing screws of the registration adjustment bracket [A].



×2

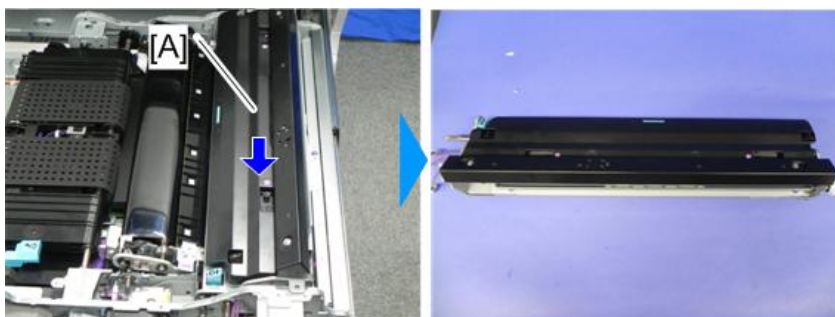
d257a3070

- 9.** Move the registration unit [A] to the left and lift it, then remove the registration adjustment bracket [B].



d257a3125

- 10.** Remove the registration unit [A].



d257a3071

After re-installing the registration unit:

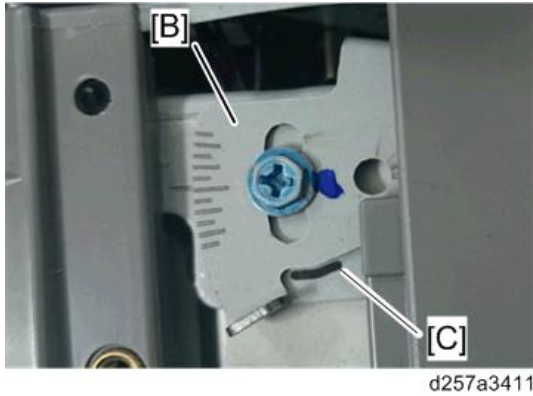
- 1.** Adjust the dial of the registration adjustment bracket [B] to the factory set position.

Note

The factory set position is marked with a black* line [C] as shown below.

*The color is subject to change.

4.Replacement and Adjustment

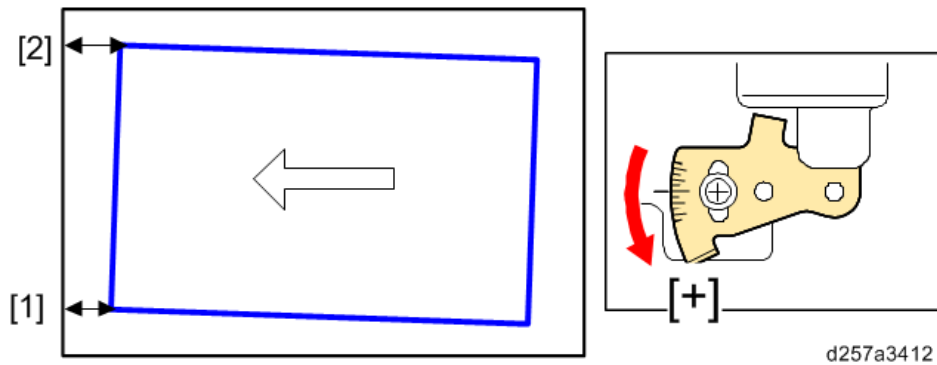


2. Print copies of the test pattern Trimming Area (SP2-109-003).

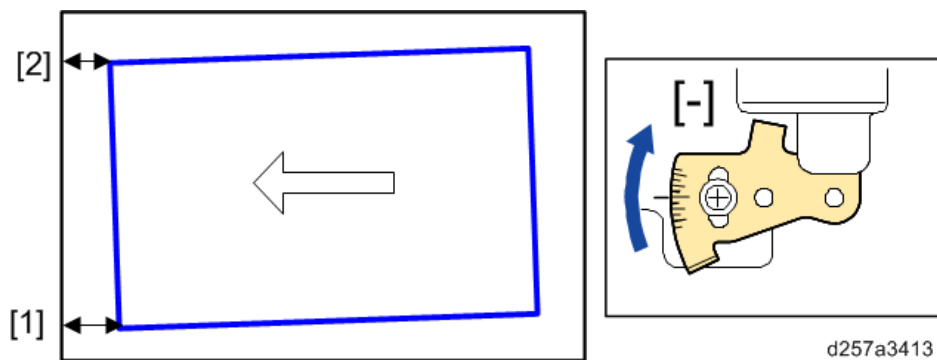
If the trim position is not correct, adjust the skew.

The range of adjustment is ± 1 on the dial against the black mark [C] (See step 1).

- If the width of [1] is less than [2] in the paper feed direction, adjust the position of the adjustment bracket in the [+] direction.



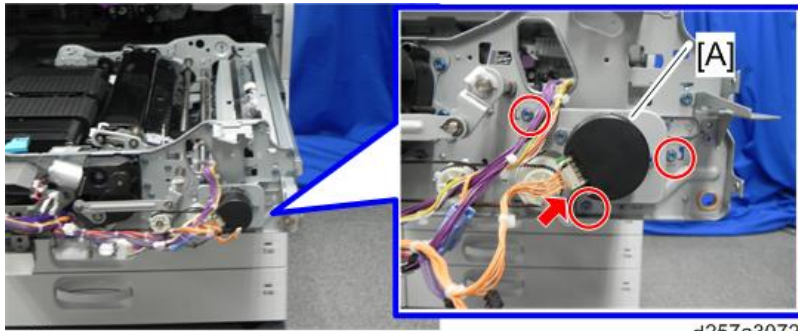
- If the width of [1] is more than [2] in the paper feed direction, adjust the position of the adjustment bracket in the [-] direction.



Relay Unit

1. Remove the registration unit. ([Registration Unit](#))

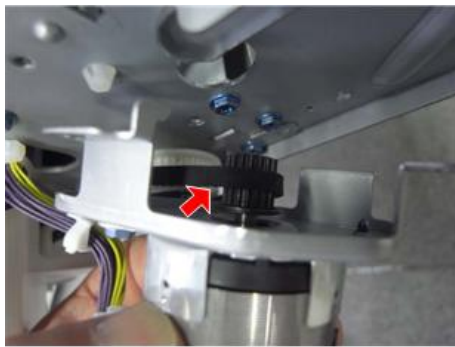
2. Remove the duplex exit motor [A] along with the bracket.



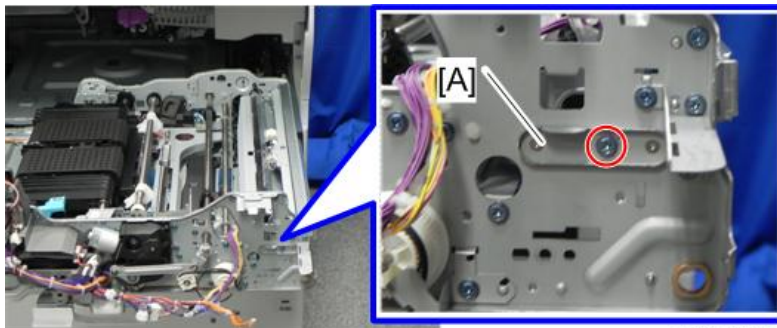
⚙️ ×3 📌 ×1

Note

- When installing the motor, attach the timing belt.



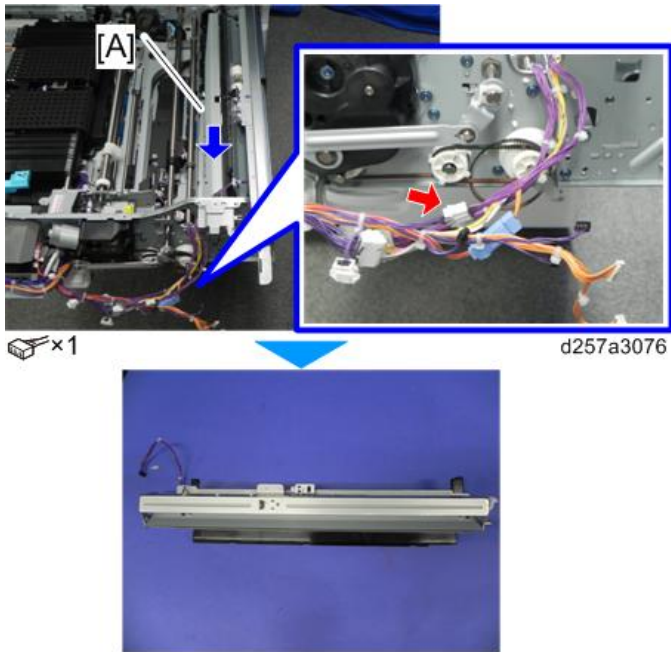
3. Remove the positioning bracket [A] of the relay unit.



⚙️ ×1

4.Replacement and Adjustment

4. Remove the relay unit [A].

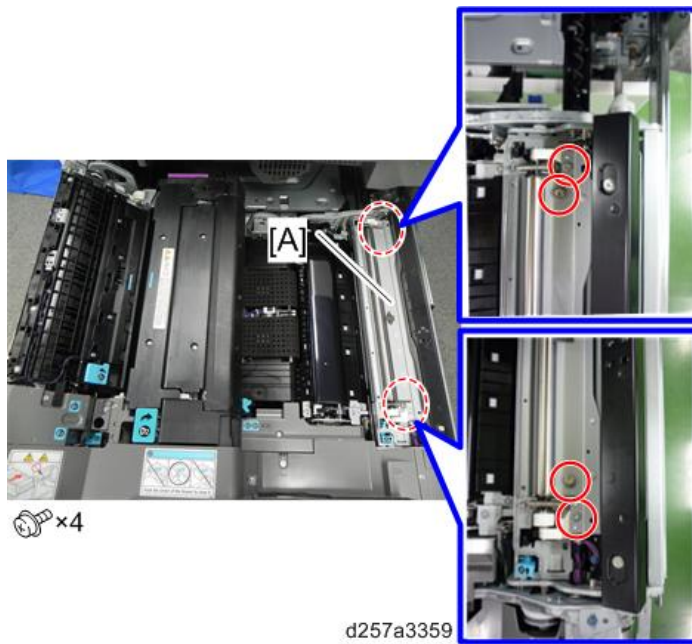


Registration Sensor

1. Open the drawer unit.
2. Remove the registration unit cover [A].



3. Remove the bracket [A].



4. Remove the registration sensor [A].

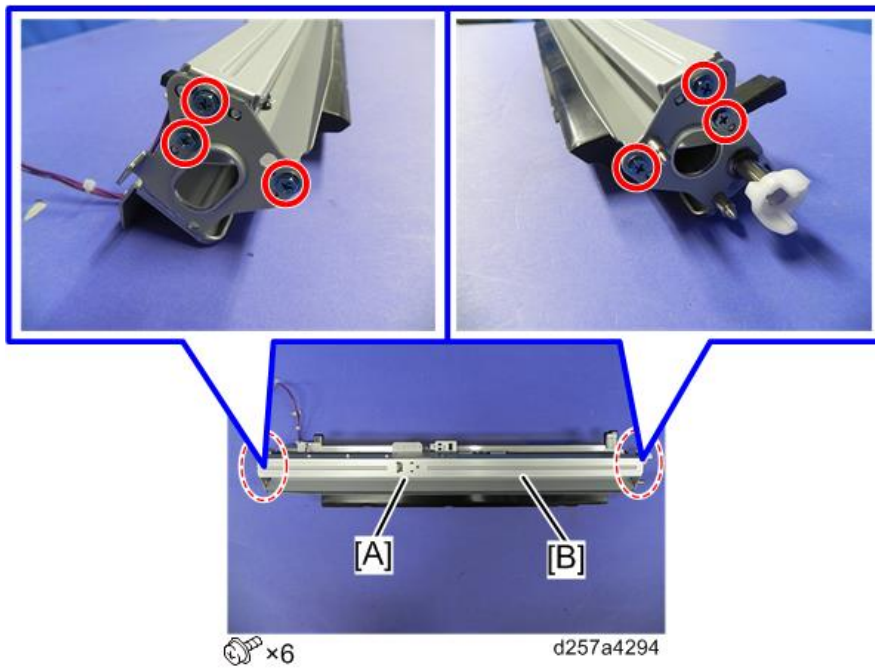


Paper Type Sensor

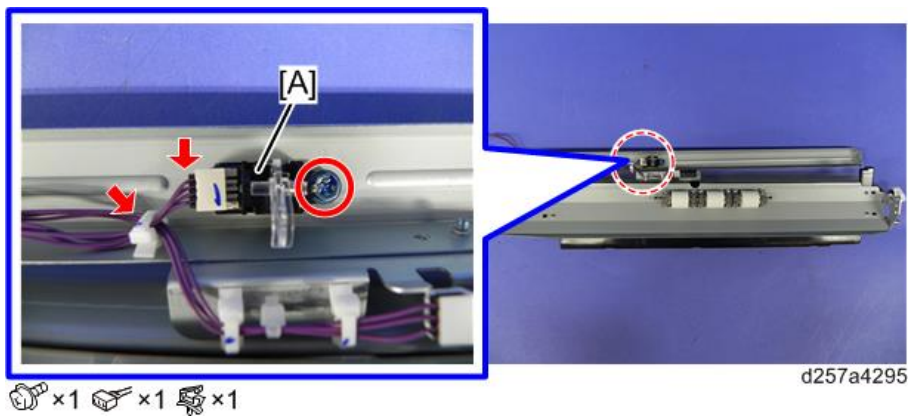
1. Remove the relay unit. ([Relay Unit](#))

4.Replacement and Adjustment

2. Remove the relay unit bracket [B] where the paper type sensor [A] is located.



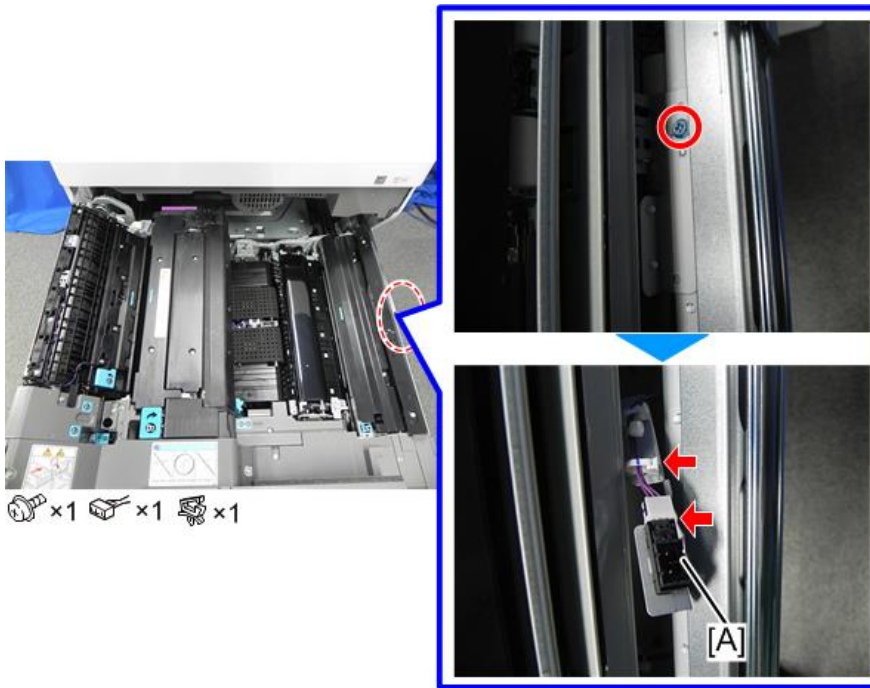
3. Remove the paper type sensor [A].



Relay Sensor

1. Open the drawer unit.

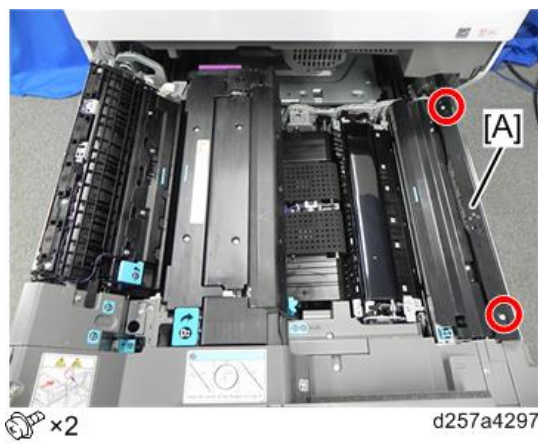
2. Remove the relay sensor [A].



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Bypass Tray Paper Type Sensor

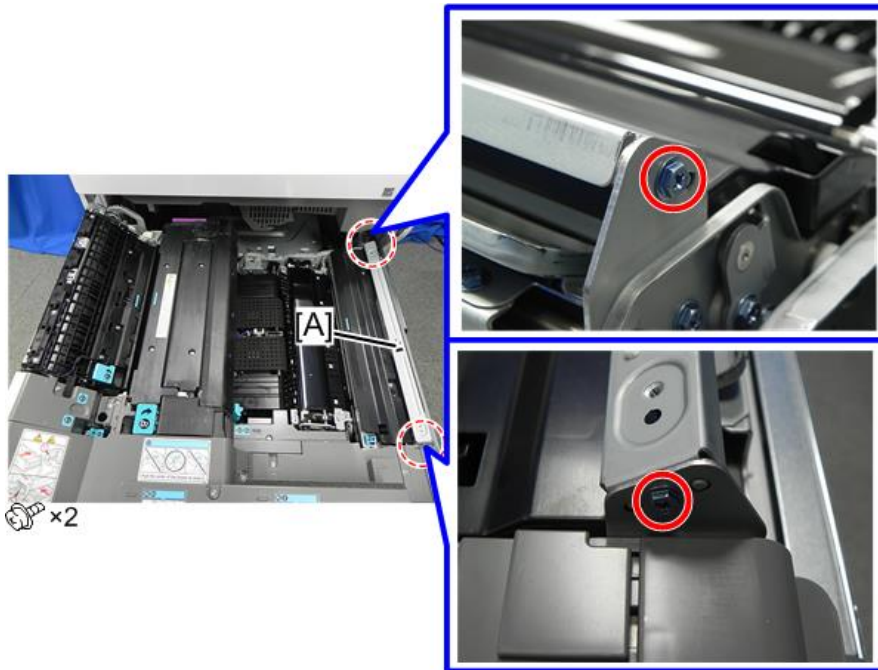
1. Open the drawer unit.
2. Remove the cover [A].



d257a4297

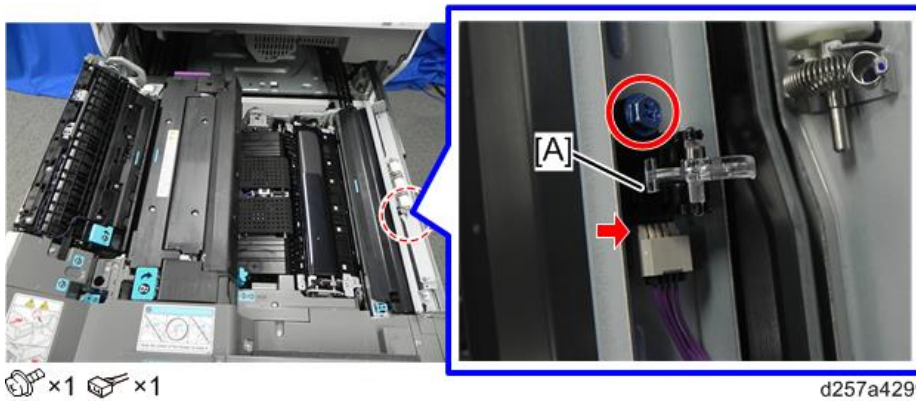
4.Replacement and Adjustment

- 3.** Remove the bracket [A].



d257a4298

- 4.** Turn over the bracket and remove the bypass tray paper type sensor [A].



d257a4299

Paper Transport Belt Unit

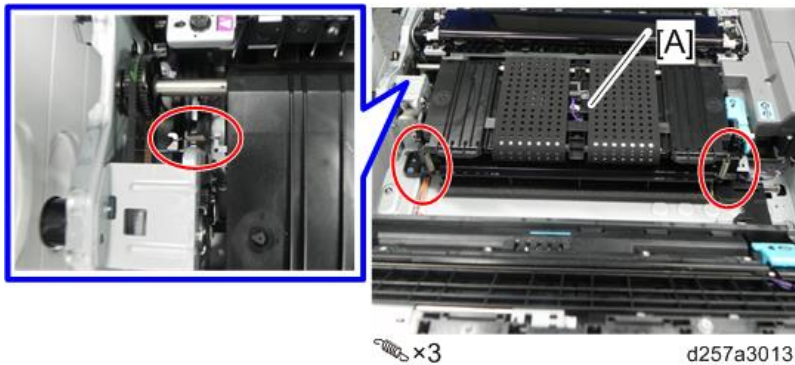
To replace the paper transport belt unit, first remove the fusing unit. ([Removing the Fusing Unit](#))

Separation Lever

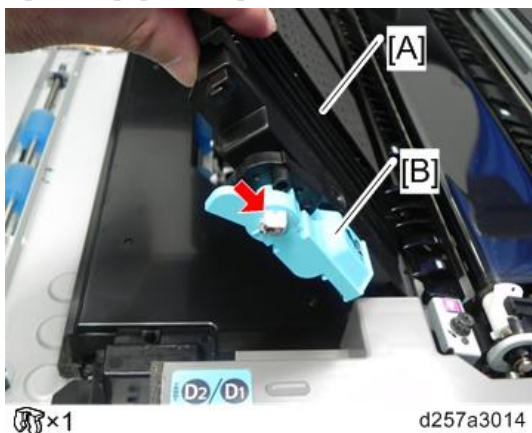
1. Remove the springs of the paper transport belt unit [A].

★ Important

- When removing the springs, be sure not to overextend the springs, because they are extended easily.
- When reinstalling the paper transport belt unit, be sure to insert the connector fully.



2. Open the paper transport belt unit [A], and remove the separation lever [B].

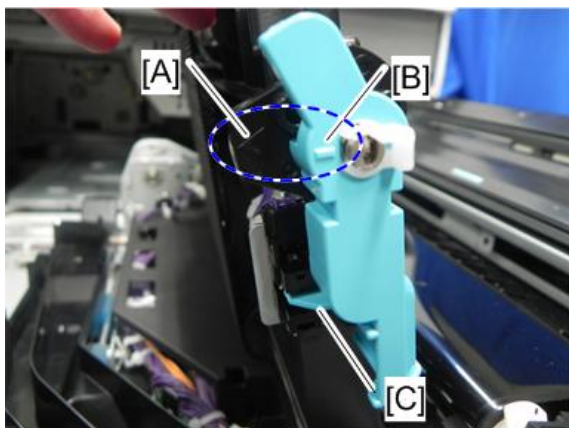


★ Important

- When attaching the separation lever, pay attention to the following.
- Align the '-' marking [B] on the separation lever with the center of the marking [A] on the paper transport belt unit.

4.Replacement and Adjustment

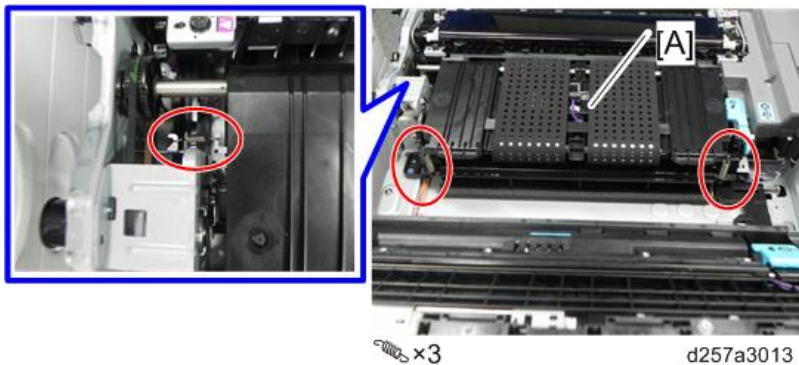
- Ensure that the actuator [C] on the separation lever enters the sensor.



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Paper Transport Belt Unit

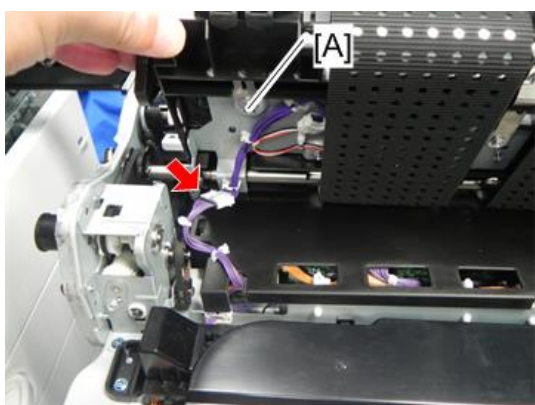
- 1.** Remove the drawer unit cover. ([Drawer Unit Cover](#))
- 2.** Remove the springs from the paper transport belt unit [A].



×3

d257a3013

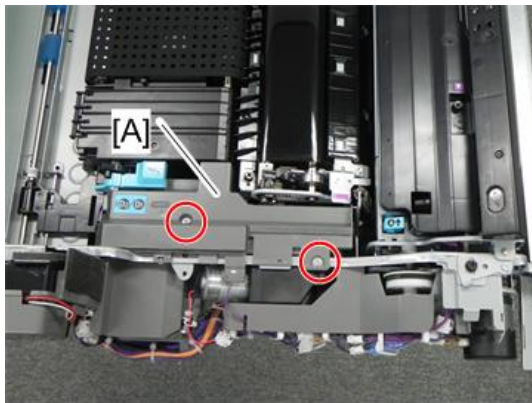
- 3.** Open the paper transport belt unit. Remove the connector [A].



×1

d257a3016

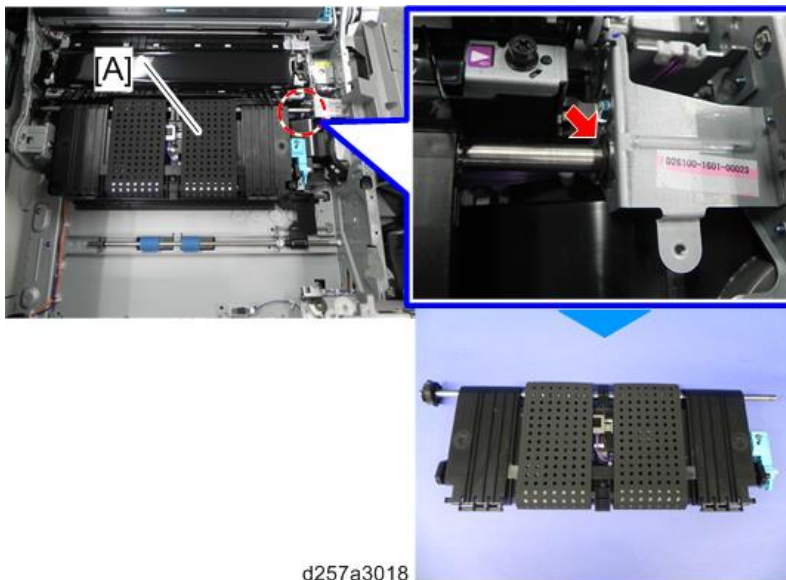
4. Remove the inner cover [A].



⌀ ×2

d257a3017

5. Remove the paper transport belt unit [A].



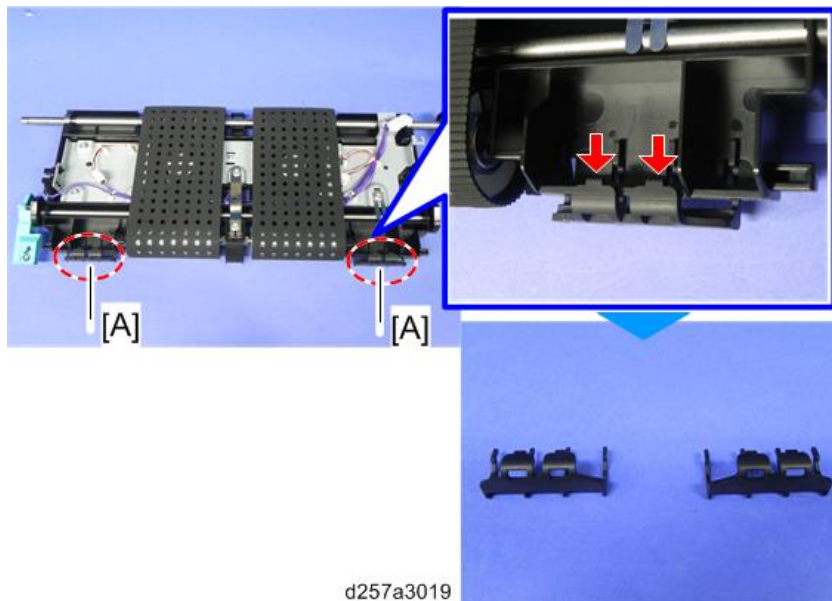
d257a3018

Paper Transport Belts

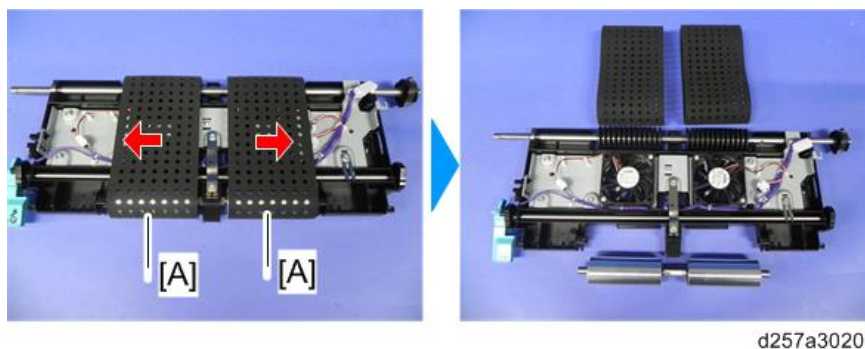
1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))

4.Replacement and Adjustment

2. Remove the guide [A].

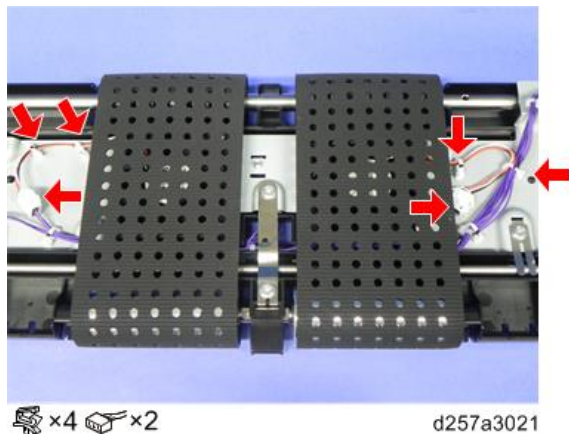


3. Slide the paper transport belts [A] (x 2) to the left or right.

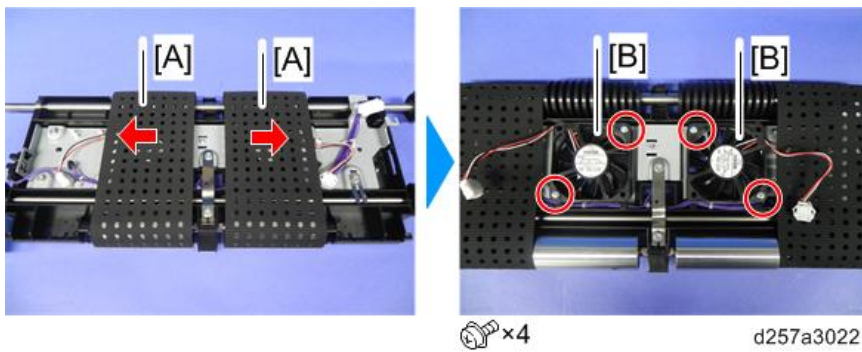


Paper Transport Belt Fans

1. Remove the paper transport belt unit. (Paper Transport Belt Unit)
2. Remove the clamps and connectors of the paper transport belt fans.

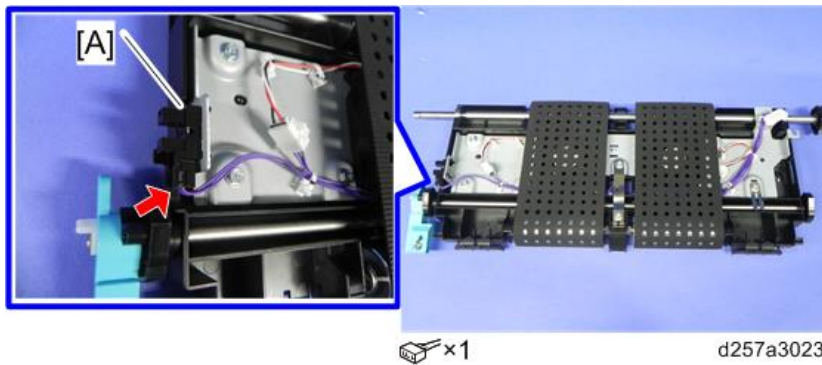


3. After sliding the paper transport belts [A] to the left or right, remove the paper transport belt fans [B].



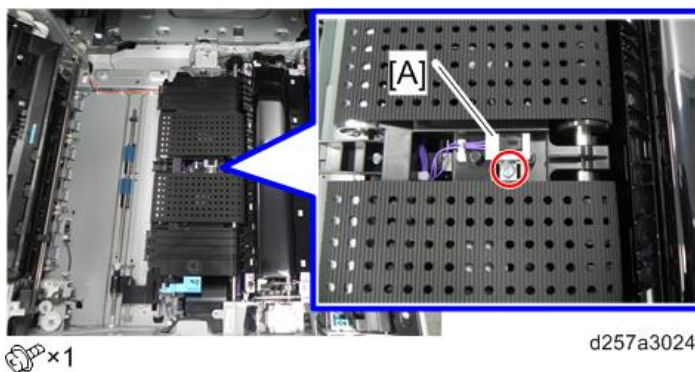
Paper Transport Belt Sensor

1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))
2. Remove the paper transport belt sensor [A].



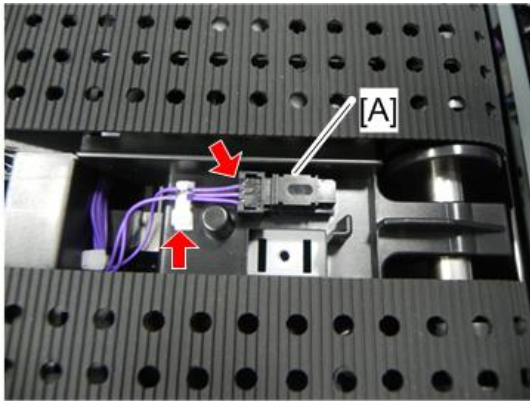
Paper Transport Belt Unit Set Sensor

1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))
2. Remove the bracket [A].



4.Replacement and Adjustment

3. Remove the paper transport belt unit set sensor [A].



✚ ×1 ✚ ×1

d257a3025














Fusing Unit

⚠ CAUTION







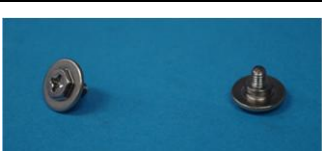



- Because there is a danger of burns on contact with hot parts of the fusing unit, start work when the temperature drops to a low enough temperature.

Screw List

Due to the large number of screws and types used in the fusing unit, a list of the screws is shown below.

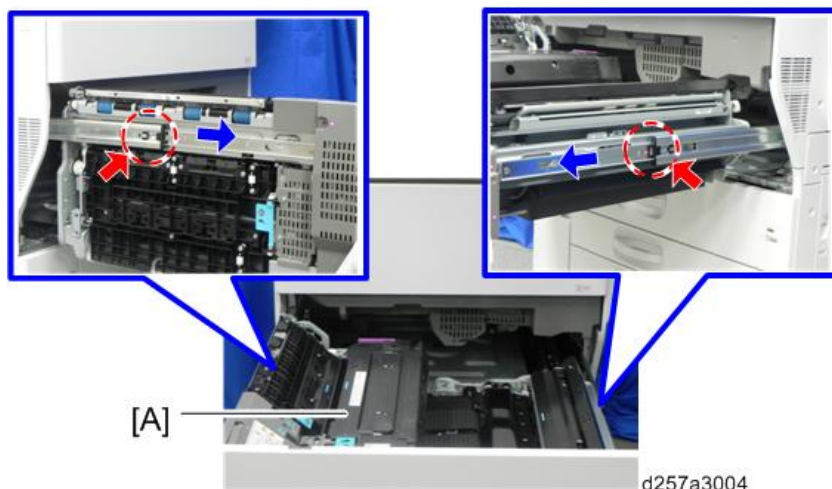
No.	Name	Picture	Notation used in Illustrations
1	FLANGED HEXAGONAL HEAD BOLT: M4×8 (TCRU)		 M4x8(TCRU)
2	SCREW: FIX: POLISH (TCRU)		 Polish(TCRU)
3	TAPPING SCREW: 3×10		 M3x10(Tapping)
4	SHOULDER SCREW: M3		 M3(Stepped)
5	SCREW: M3×6		 M3x6
6	BIND SCREW: M3×4 BIND SCREW: M3×3		 M3x4(Bind)  M3x3(Bind)

4.Replacement and Adjustment

No.	Name	Picture	Notation used in Illustrations
7	HEXAGONAL BOLT: W/WASHER: M3×10		 M3x10(Double)
8	HEXAGONAL BOLT: W/WASHER: M3×8		 M3x8(Double)
9	SCREW: DIA5: M3		 DIA5 M3(Stepped)
10	STEPPED SCREW: LEVER: HEAT ROLLER		 Heat R(steppped)
11	FRONT STEPPED SCREW		 Clamp F(steppped)

Removing the Fusing Unit

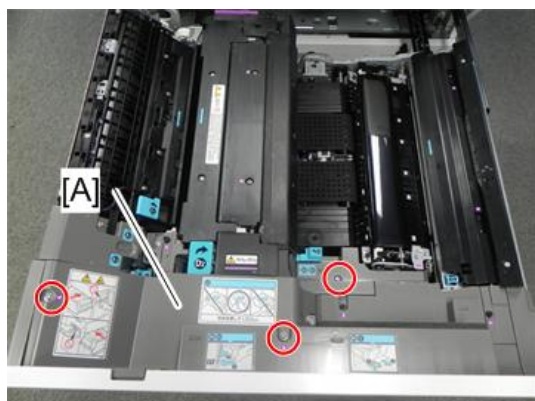
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



Note

- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open halfway.

3. Remove the inner cover [A].



⚙️ ×3

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4. Open the heat pipe cover [A].*

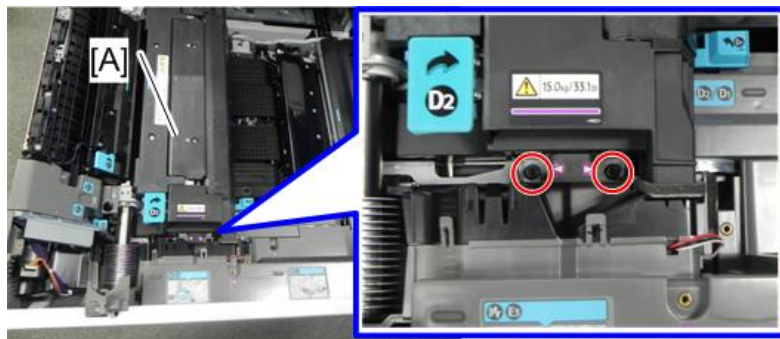


⚙️ ×1

d257a3008

*For Pro C5200S/C5210S, use a TCRU screw.

5. Remove the fixing screws on the front side of the fusing unit [A].*



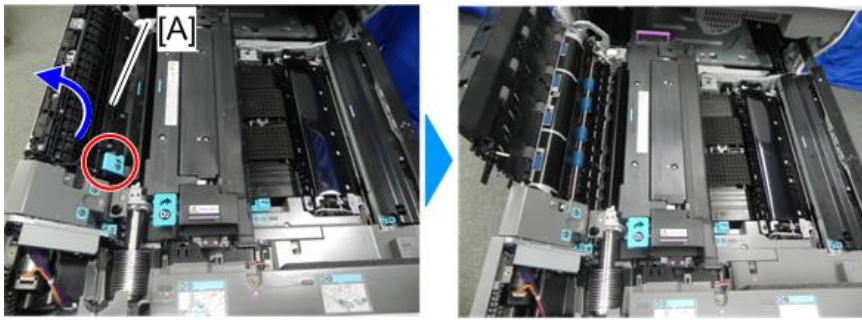
⚙️ ×2

d257a3009

*For Pro C5200S/C5210S, use TCRU screws.

4.Replacement and Adjustment

6. Open the guide plate [A].



d257a3010

7. Lift the guide plate [A] up.



d257a3011

8. Hold the handgrips to detach the fusing unit [A].

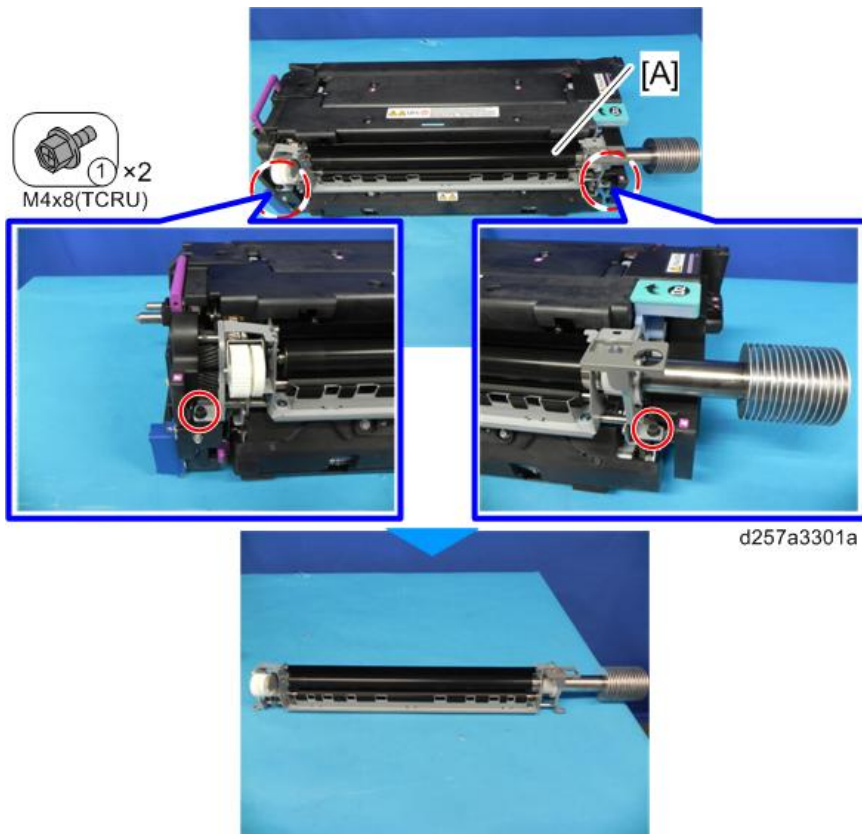


d257a3012

Fusing Heat Pipe

1. Remove the fusing unit ([Removing the Fusing Unit](#))

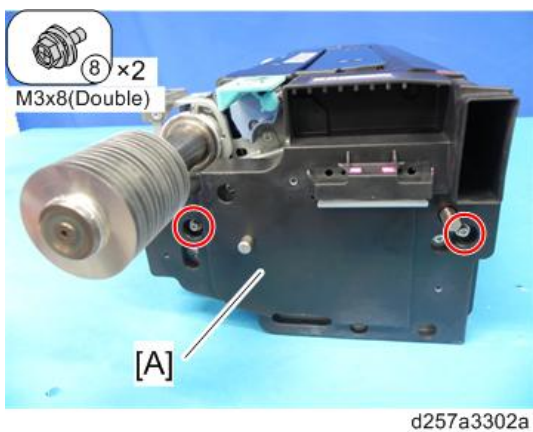
2. Remove the fusing heat pipe unit [A].



Fusing Unit Cover

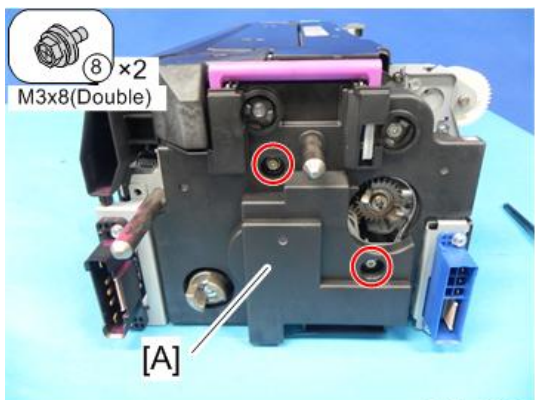
Fusing Front and Rear Covers

1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the fusing front cover [A].



4.Replacement and Adjustment

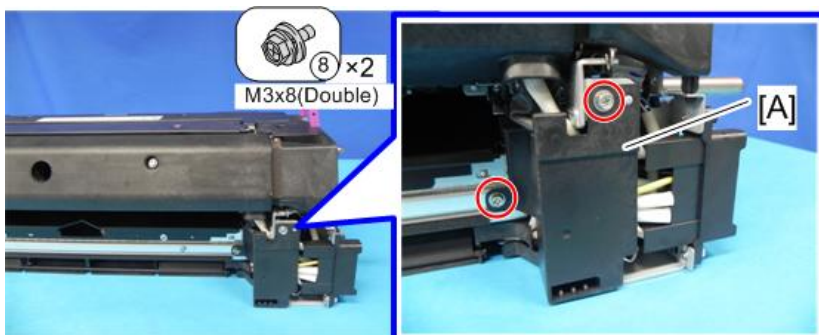
3. Remove the fusing rear cover [A].



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Entrance Drawer Cover

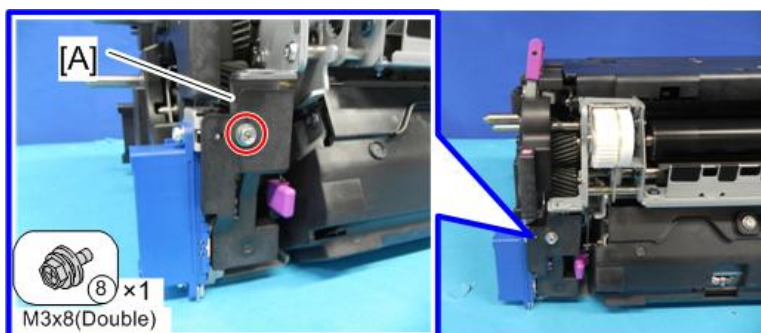
1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the entrance drawer cover [A].



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Exit Drawer Cover

1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the exit drawer cover [A].



d257a3305a

Fusing Upper Cover

1. Remove the fusing unit. (Removing the Fusing Unit)

2. Remove the fusing upper cover [A].



Fusing Stripper Plate Unit

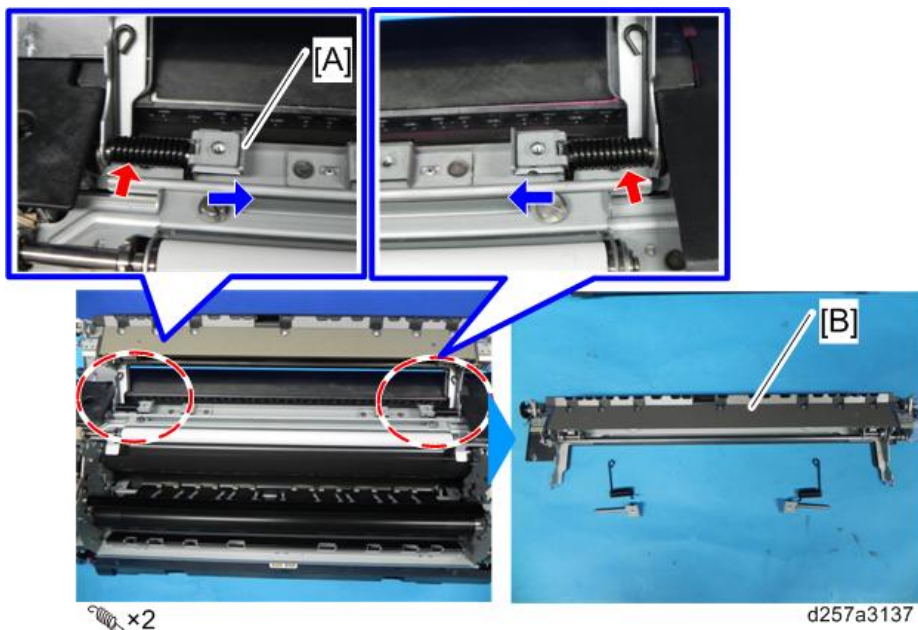
1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the fusing upper cover. ([Fusing Upper Cover](#))
3. Remove the fixing screws [A].



4. Open the fusing stripper plate unit.

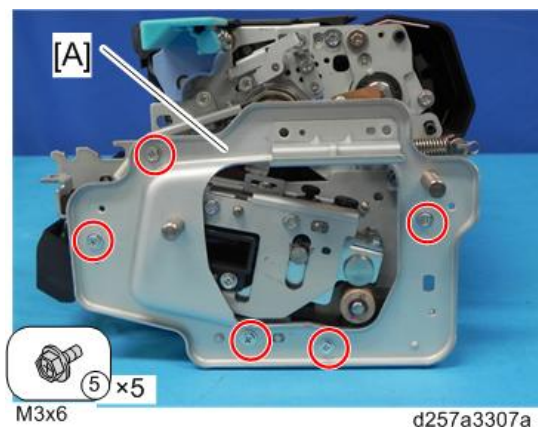
4.Replacement and Adjustment

- Slide pins [A] on both sides in the direction of the arrows as shown below. Then, remove the fusing stripper plate unit [B].

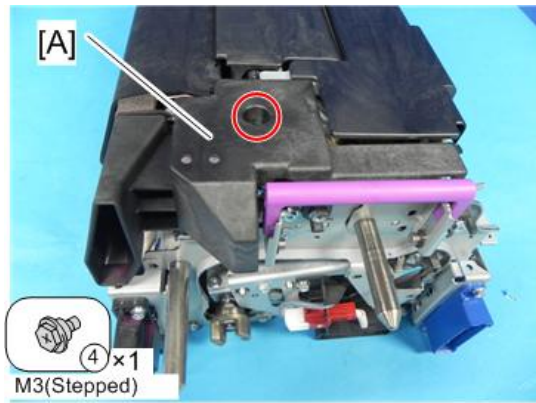


Fusing Unit Plates

- Remove the fusing front cover, fusing rear cover, entrance drawer cover, and exit drawer cover. (Fusing Unit Cover)
- Remove the fusing unit plate [A] at the front side.

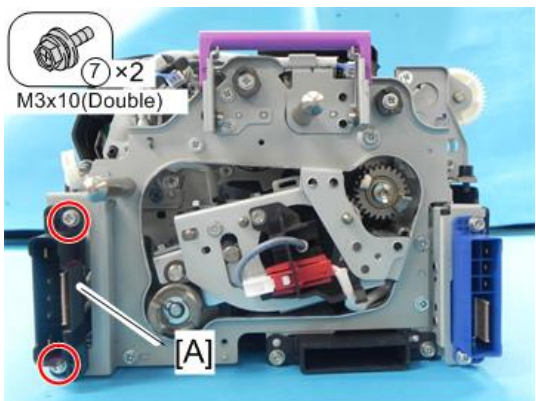


3. Remove the cover [A].



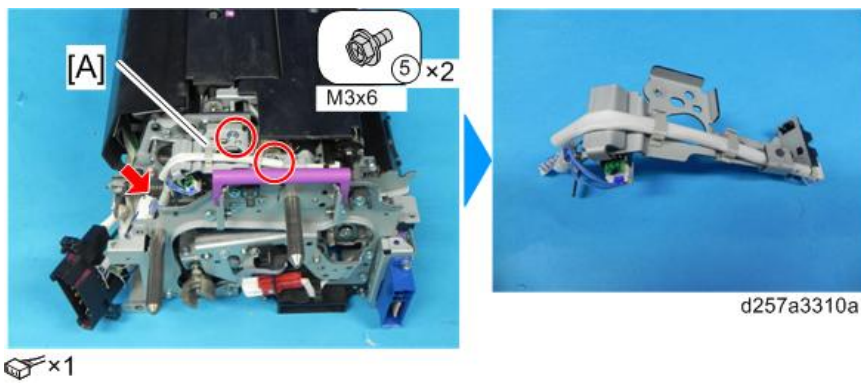
d257a3308a

4. Remove the drawer connector [A].



d257a3309a

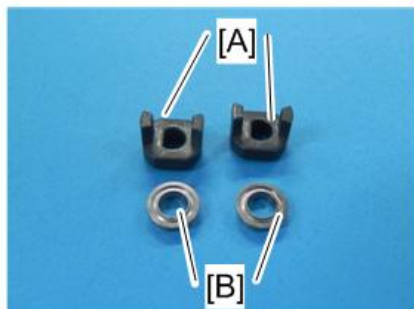
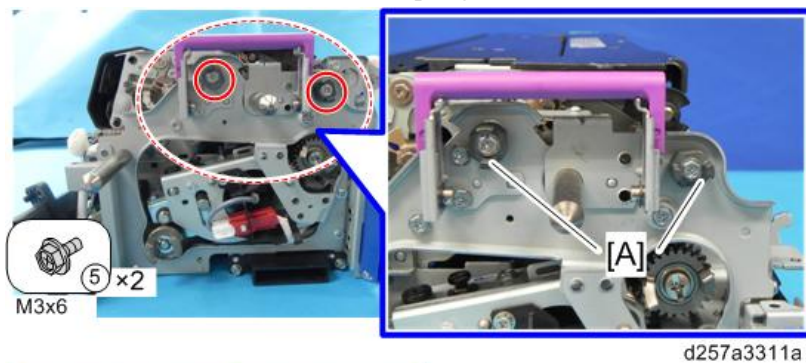
5. Remove the bracket [A].



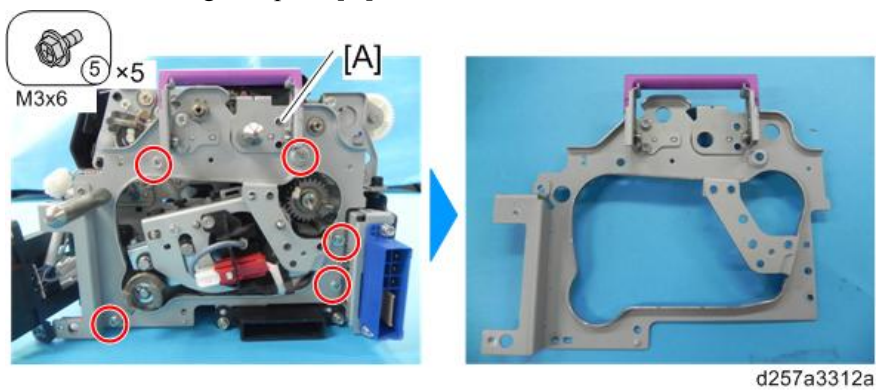
d257a3310a

4.Replacement and Adjustment

6. In Pro C5200S/C5210S, remove couplings [A], [B].

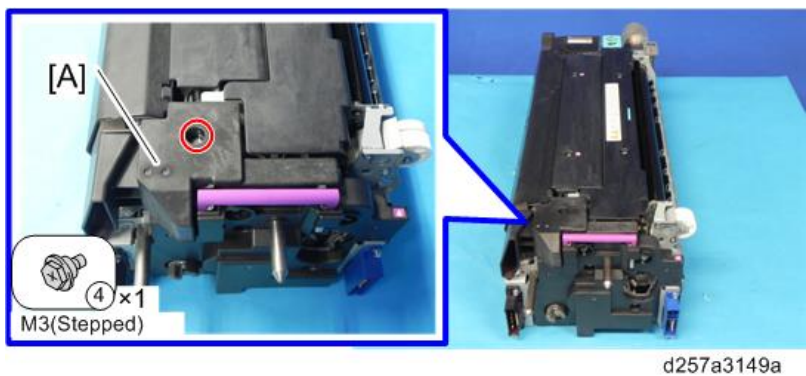


7. Remove the fusing unit plate [A] at the rear side.

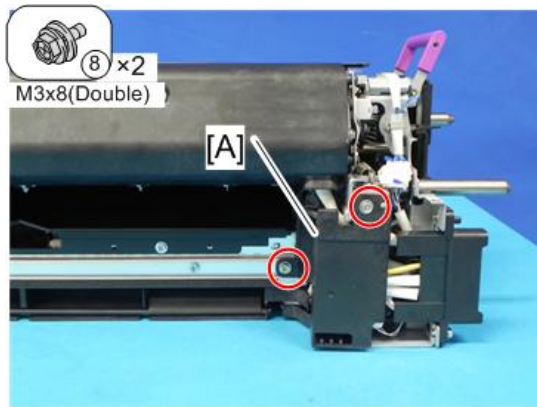


IH Coil Unit

1. Remove the cover [A].

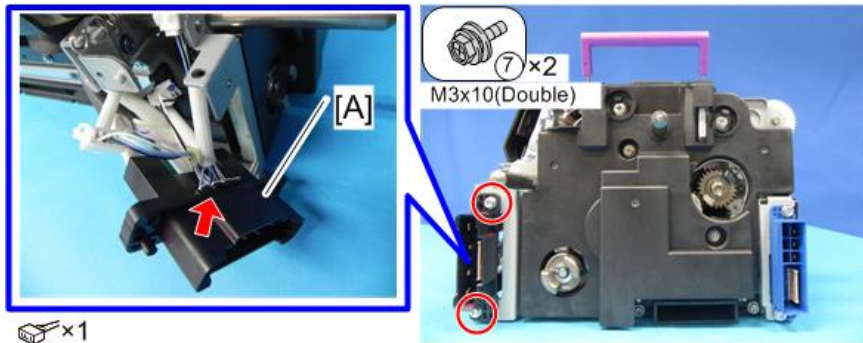


2. Remove the entrance drawer cover [A].



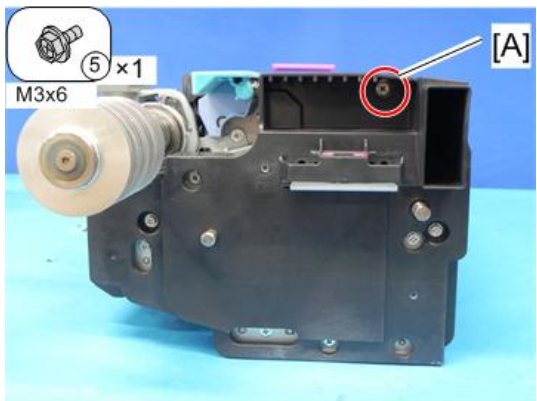
d257a3150a

3. Disconnect the drawer connector [A].



d257a3151a

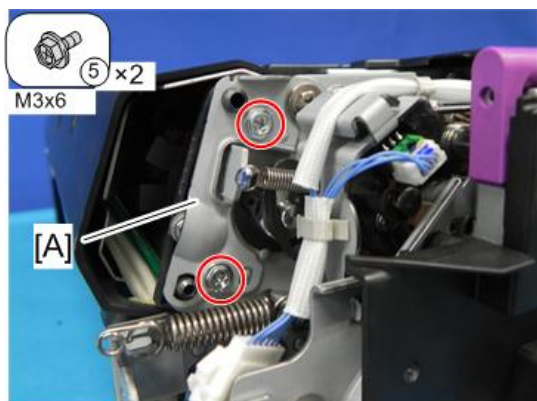
4. Remove the fixing screw [A] on the front side.



d257a3172a

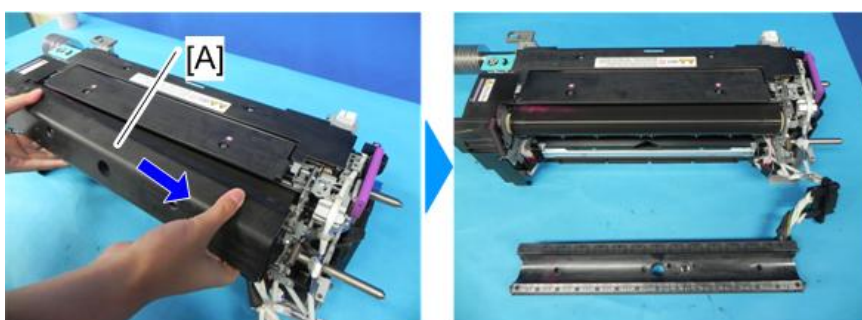
4.Replacement and Adjustment

5. Remove the plate [A].



d257a3152a

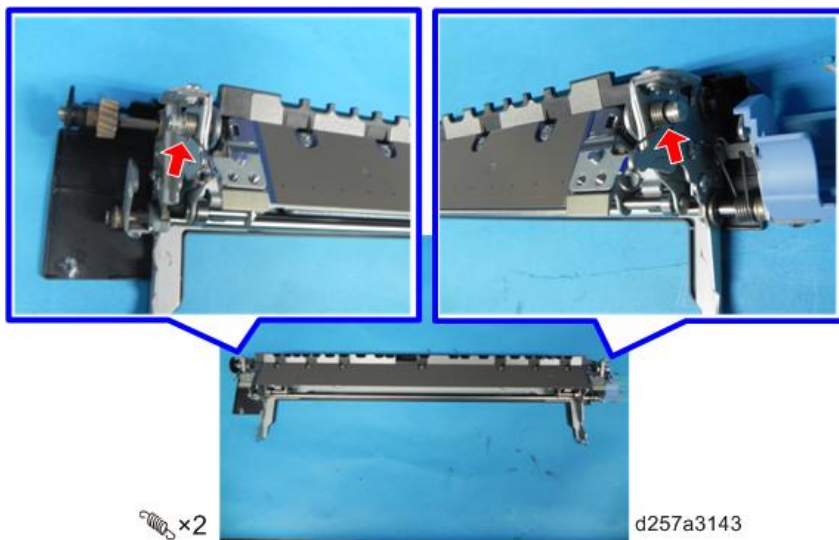
6. Remove the IH coil unit [A].



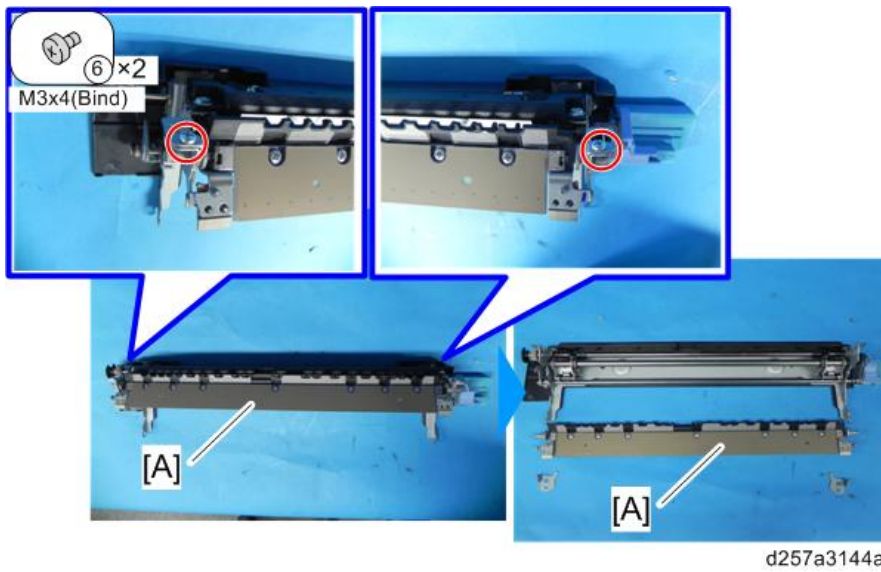
d257a3153

Fusing Stripper Plate

1. Remove the fusing stripper plate unit. (Fusing Stripper Plate Unit)
2. Remove the springs from the fusing stripper plate unit.

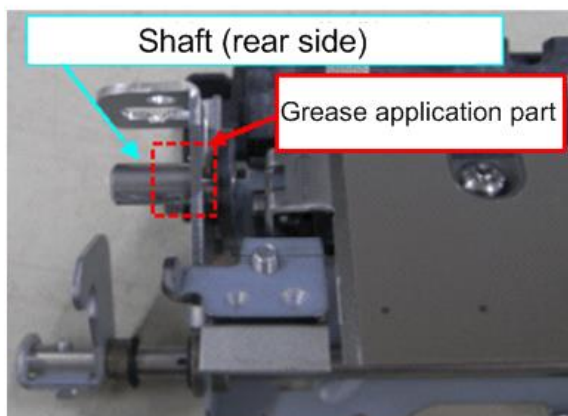
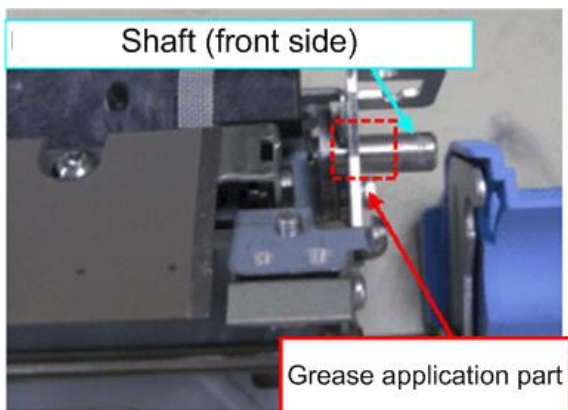


3. Remove the fusing stripper plate [A].



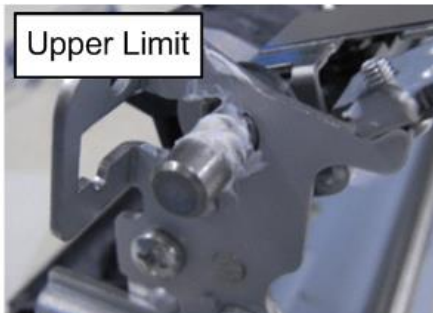
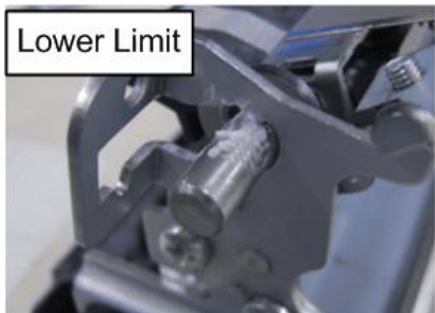
Applying Grease after Replacing the Fusing Stripper Plate

After replacing the fusing stripper plate, apply grease to the shaft (front and rear sides) to prevent scratches (Grease: Barrierta-S552R).



w_d257a3391_en

4.Replacement and Adjustment



w_d257a3383_en

Determine the type of the Fusing Stripper Plate

The part number of the fusing stripper plate for Pro C5200S/C5210S is different from that for MP C6503/C8003. Be sure to attach the correct stripper plate when replacing it, because the properties of the stripper plate are selected to match the fusing belt material. If the wrong stripper plate is attached, a paper jam will occur.

The fusing stripper plate for Pro C5200S/C5210S

Bar-code: 2TBP-XXXXXXXX



d257a3352

The fusing stripper plate for MP C6503/C8003

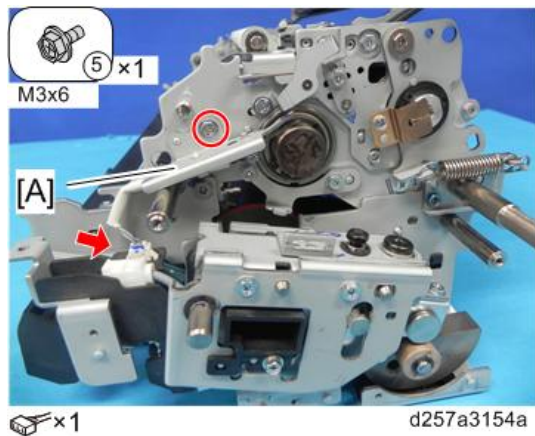
Bar-code: 2TBO-XXXXXXXX



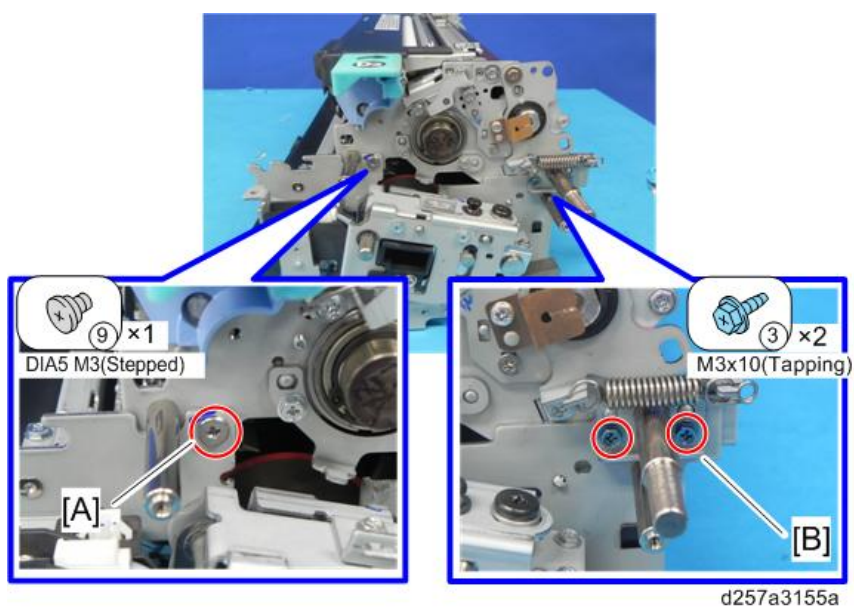
d257a3353

Separating the Fusing Unit

1. Remove the fusing unit plate at the front side. (Fusing Unit Plates)
2. Remove the thermistor (hot roller shaft) [A] along with the bracket.

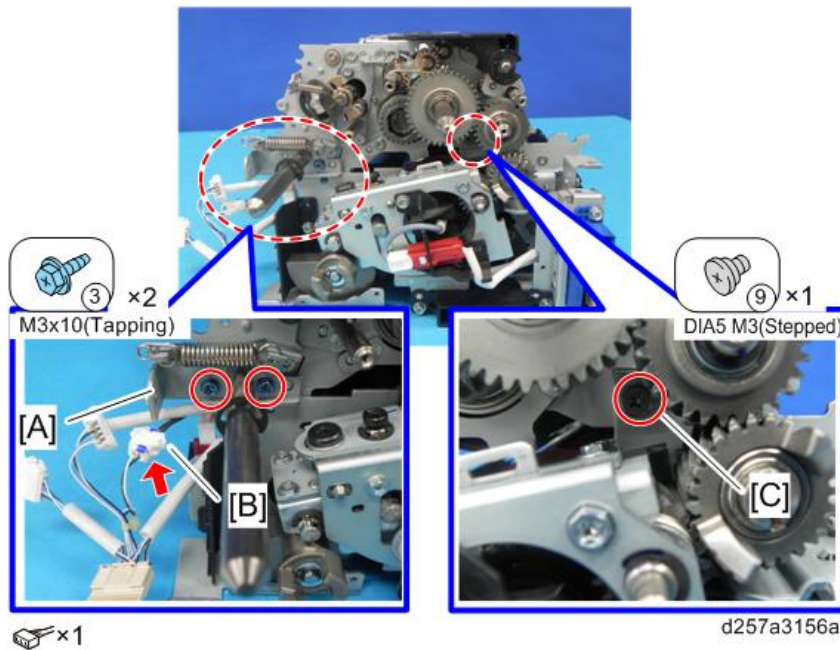


3. Remove the fixing screw [A] and the bracket [B] on the front side.

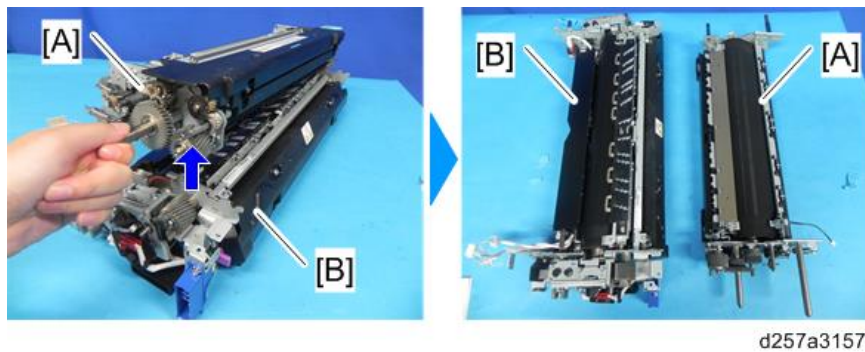


4.Replacement and Adjustment

4. Remove the bracket [A], connector [B] and fixing screw [C] on the rear side.

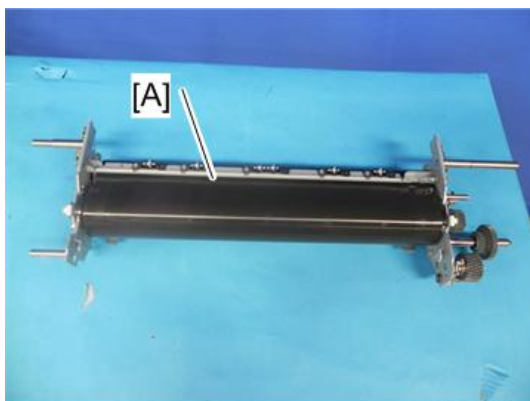


5. Separate the fusing unit into the upper part [A] and the lower part [B].

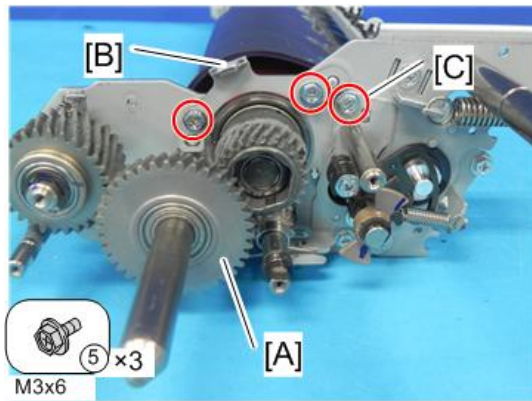


Heating Roller, Fusing Roller, Fusing Belt

1. Separate the fusing unit into the upper part and the lower part. (Separating the Fusing Unit)
2. Remove the fusing stripper plate unit. (Fusing Stripper Plate Unit)
3. Remove the fusing belt smoothing roller. (Fusing Belt Smoothing Roller (Pro C5200S/C5210S Only))
4. Turn over the upper part [A] of the fusing unit.

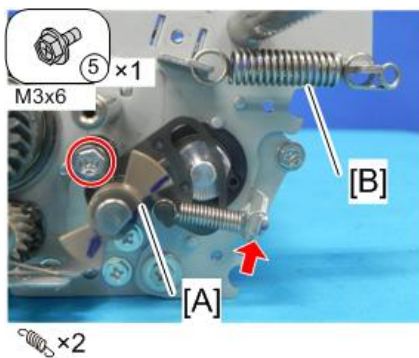


5. Remove the gear [A], bracket [B] and screw [C] on the rear side.



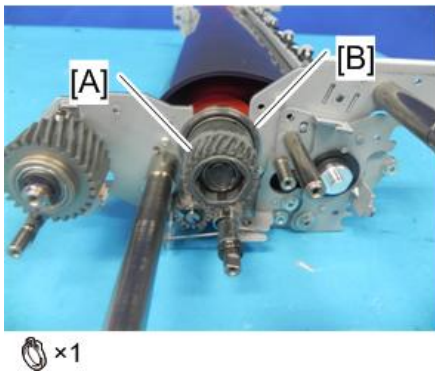
d257a3181a

6. Remove the rotation sensor [A] and spring [B].



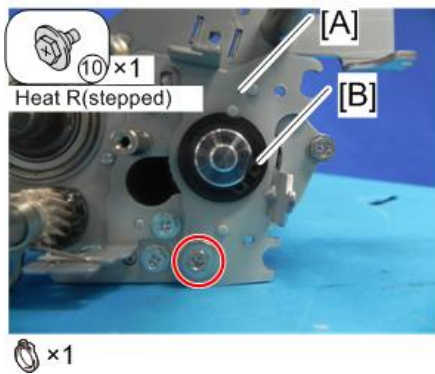
d257a3182a

7. Remove the gear [A] and C-ring [B].



d257a3183

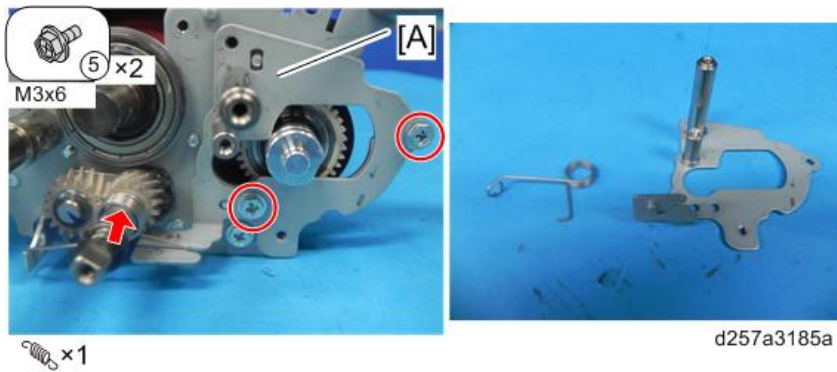
8. Remove the bracket [A] and C-ring [B].



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4.Replacement and Adjustment

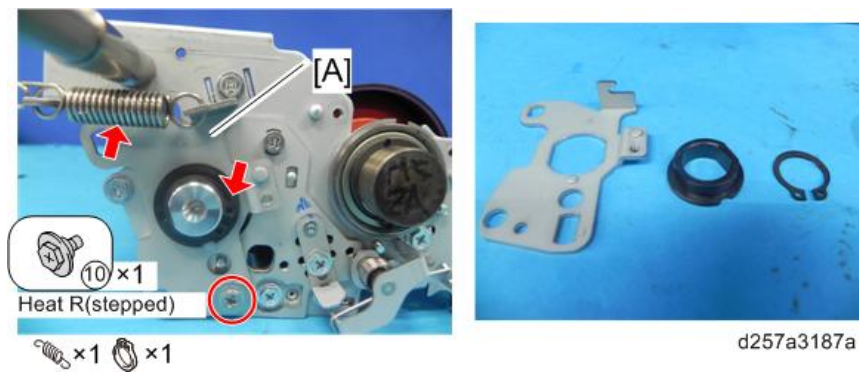
9. Remove the bracket [A].



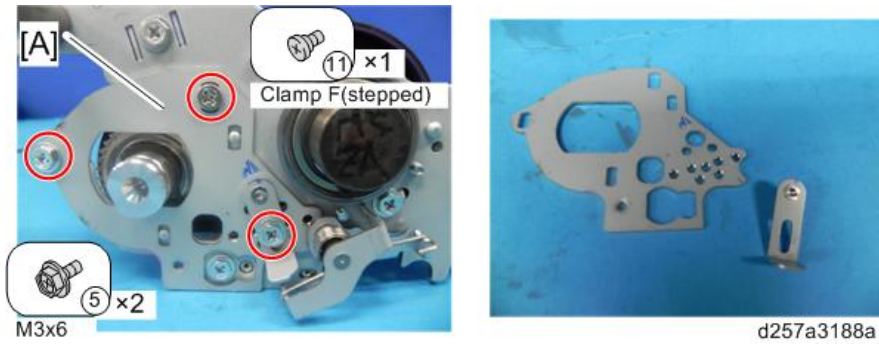
10. Remove the bracket [A] on the front side, and grounding plate [B].



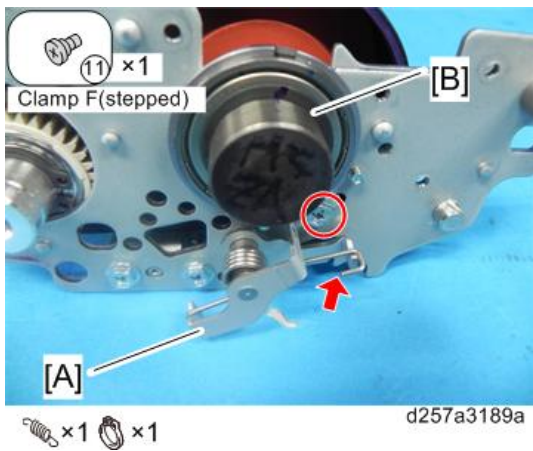
11. Remove the bracket [A].



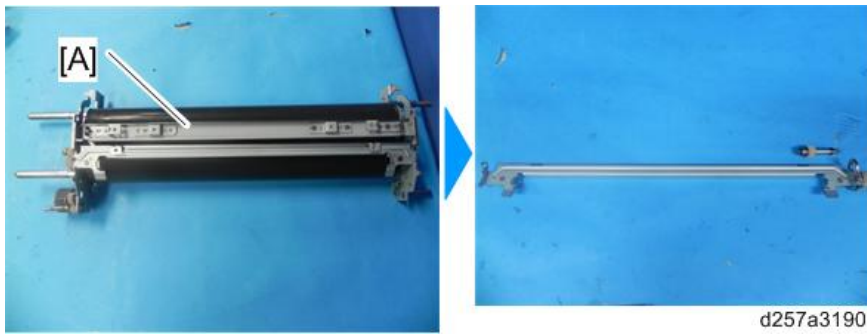
12. Remove the bracket [A].



13. Remove the bracket [A] and C-ring [B].

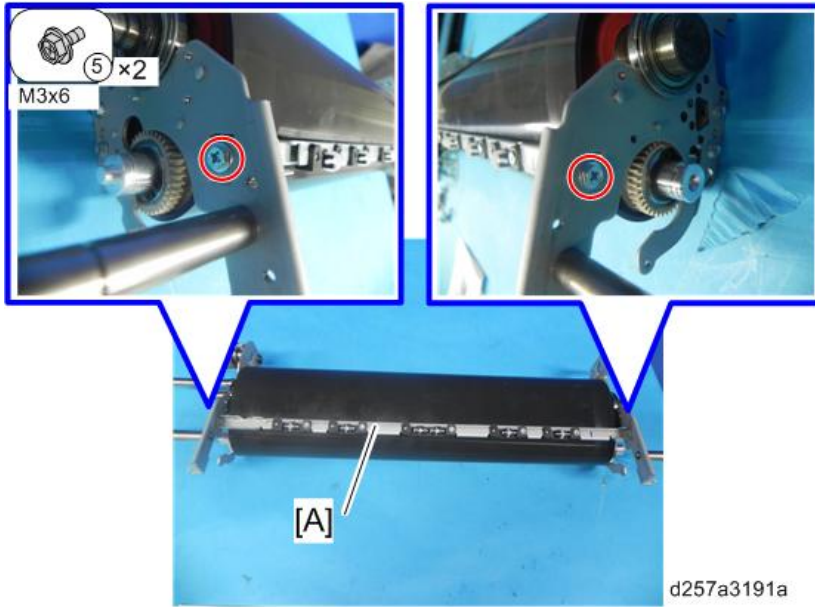


14. Turn back the upper part of the fusing unit, and remove the stay [A].

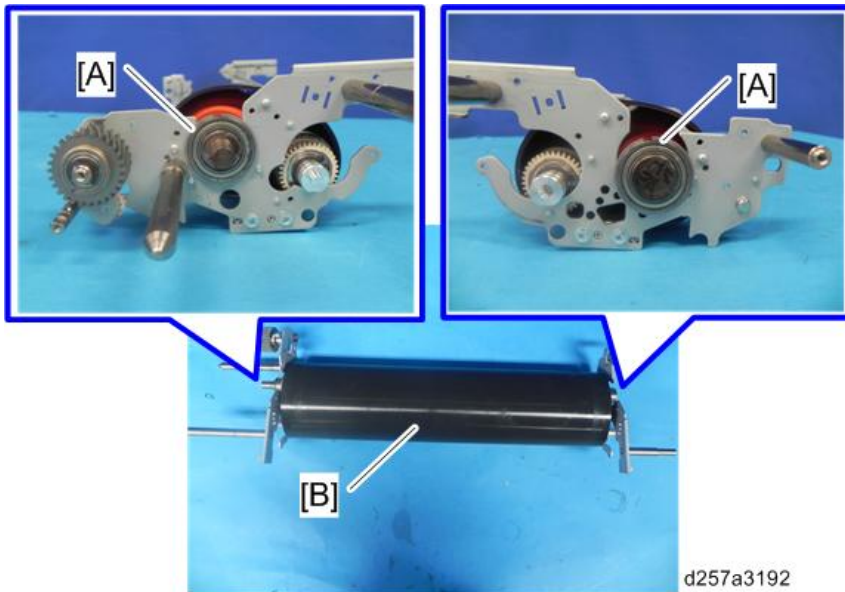


4.Replacement and Adjustment

- 15.** Turn over the upper part of the fusing unit, and remove the entrance stay [A].



- 16.** Remove the bearings [A], and detach the fusing belt unit [B].



- 17.** Detach the hot roller [A] and the heating roller [B] from the fusing belt [C].



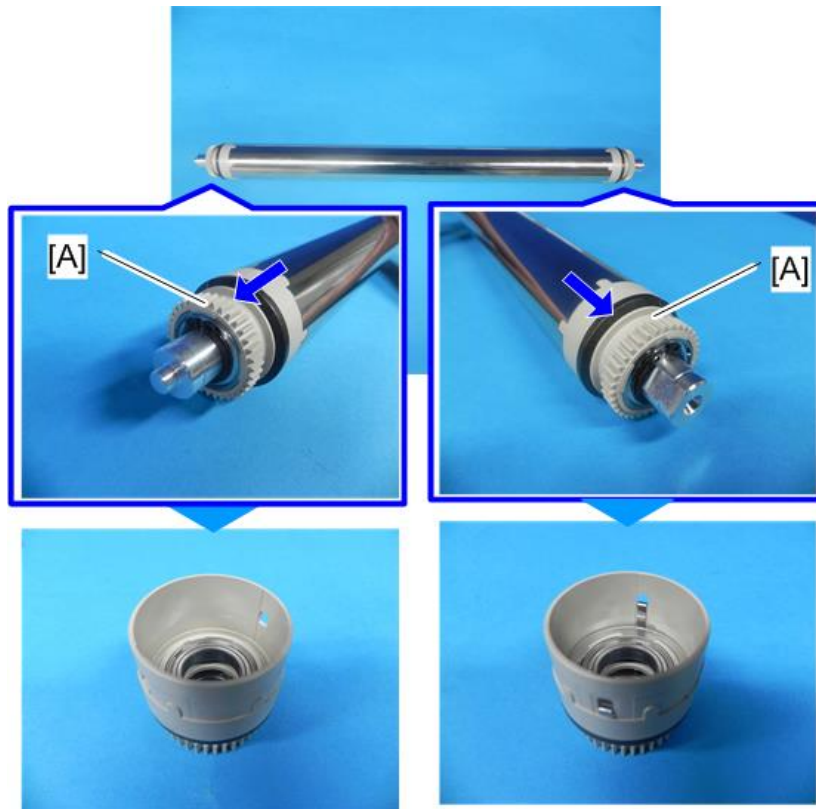
Note

- When you detach the rollers and the belt from the frame, hold the ends of the hot roller shaft to lift

it. Then move it above the heating roller to detach the whole thing (hot/heating rollers and fusing belt).

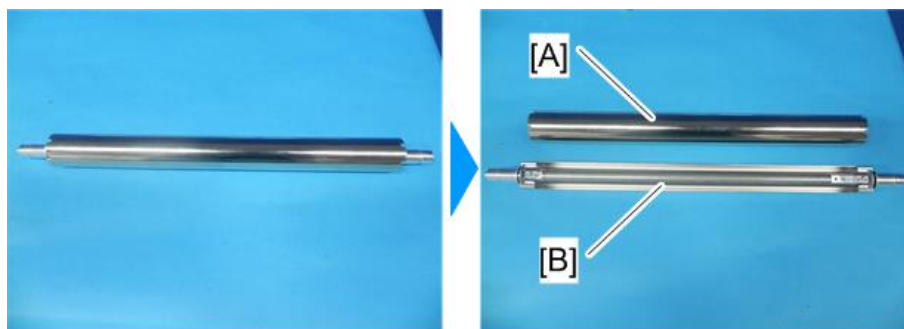
Heating Roller Shaft, Flanges

1. Remove the heating roller from the fusing belt. (Heating Roller, Fusing Roller, Fusing Belt)
2. Remove the flanges [A] on both sides.



d257a3330

3. Pull out the heating roller shaft [B] from the heating roller [A].

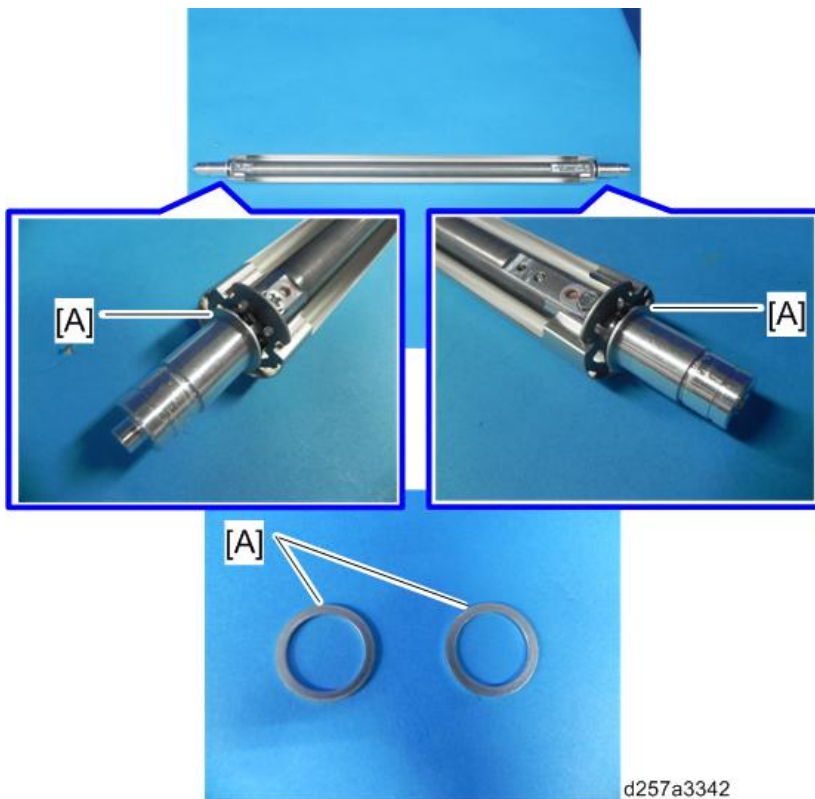


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4.Replacement and Adjustment

★ Important

- The spacers [A] are not installed on the new heating roller shaft. You need to remove the spacers from the old heating roller shaft and attach them to the new shaft.

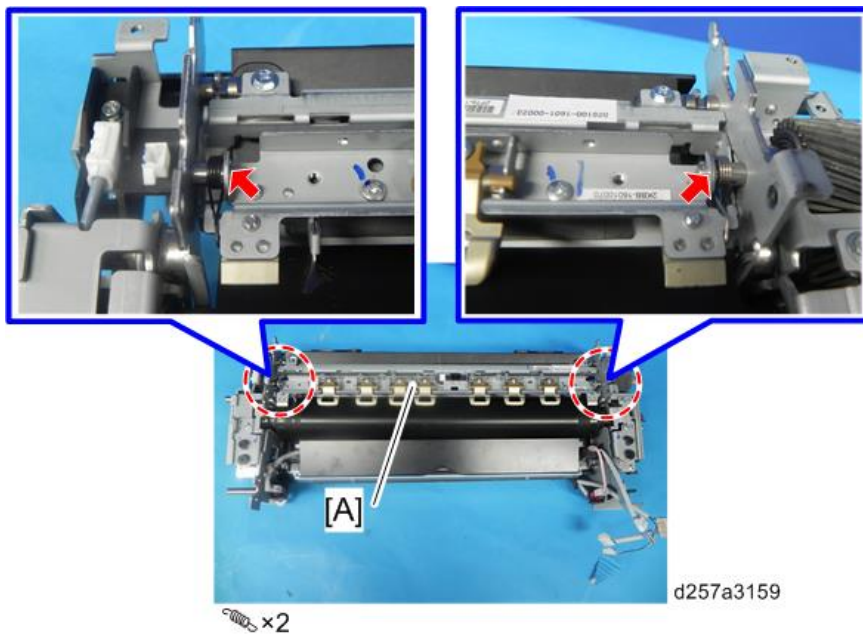


Pressure Roller Stripper Plate

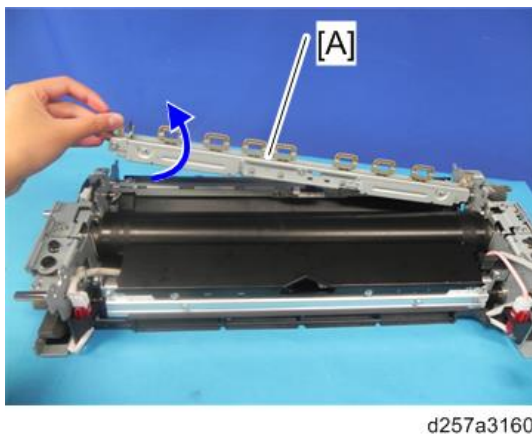
- 1.** Separate the fusing unit into the upper part and the lower part. ([Separating the Fusing Unit](#))
- 2.** Remove the pressure roller stripper guide plate [A].



3. Release the springs on both sides of the pressure roller stripper plate [A].



4. Rotate the pressure roller stripper plate [A] clockwise, and lift it to remove.



Note

- The frame of the pressure roller stripper plate has C-cut holes.

Pressure Roller Fusing Lamp

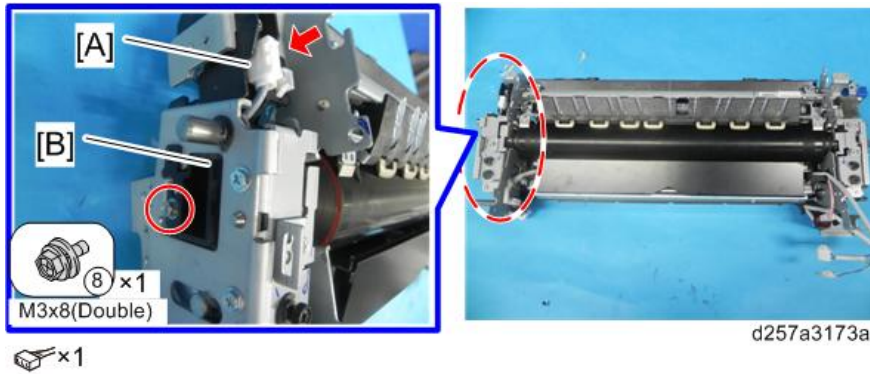
Note

- In the pictures in the procedure below, the fusing unit is separated. But you need only to remove the fusing unit plates to remove or install the fusing lamp.

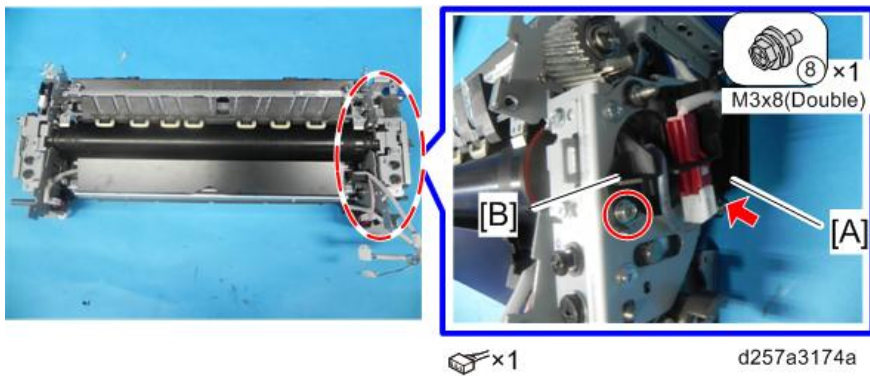
1. Remove the fusing unit plates. ([Fusing Unit Plates](#))

4.Replacement and Adjustment

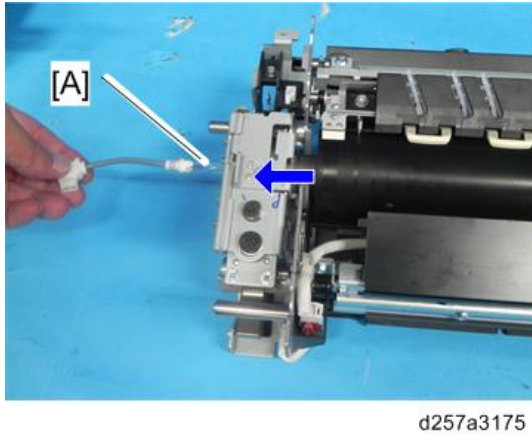
2. Remove the connector [A] and the holder [B].



3. Remove the connector [A] and the holder [B].



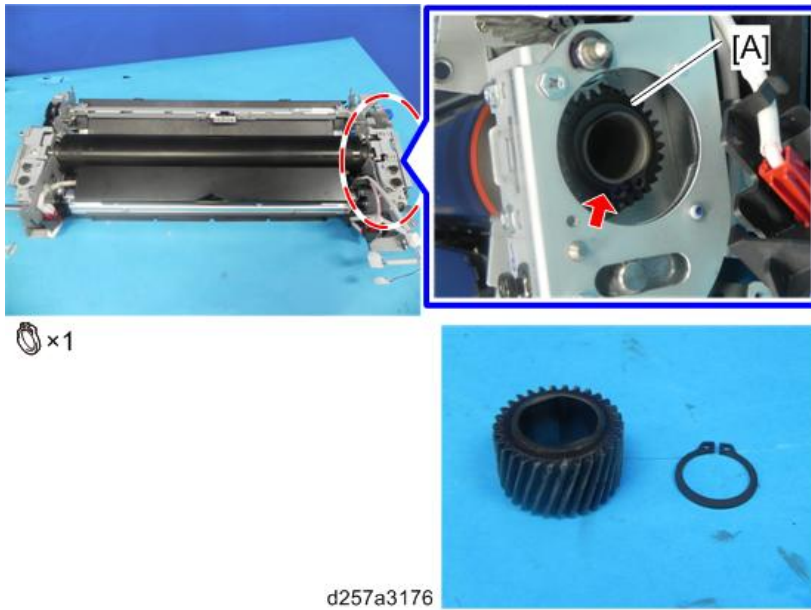
4. Remove the pressure roller fusing lamp [A].



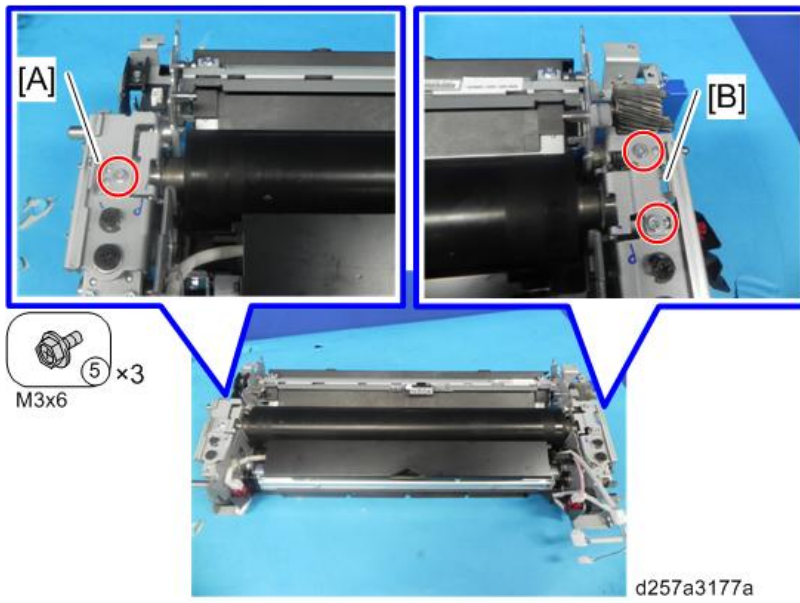
Pressure Roller

1. Separate the fusing unit into the upper part and the lower part. ([Separating the Fusing Unit](#))
2. Remove the pressure roller stripper plate. ([Pressure Roller Stripper Plate](#))
3. Remove the pressure roller fusing lamp. ([Pressure Roller Fusing Lamp](#))

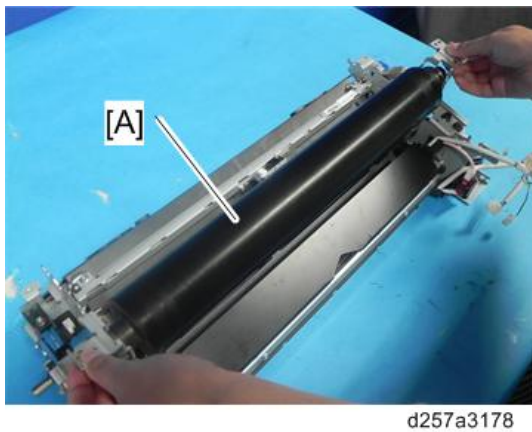
4. Remove the gear [A].



5. Remove the screws of the pressure roller fixing plates [A], [B].

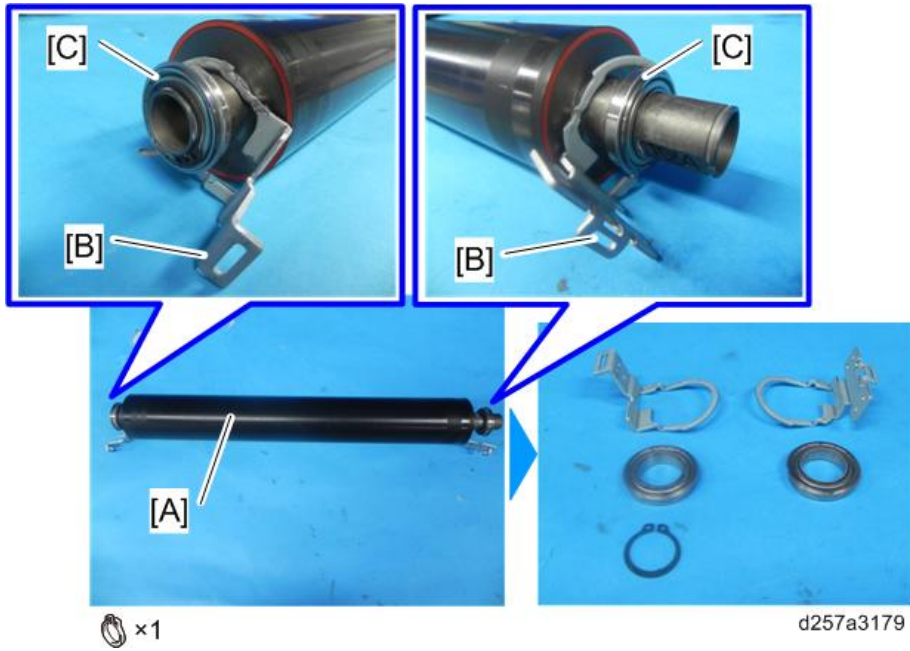


6. Remove the pressure roller [A].



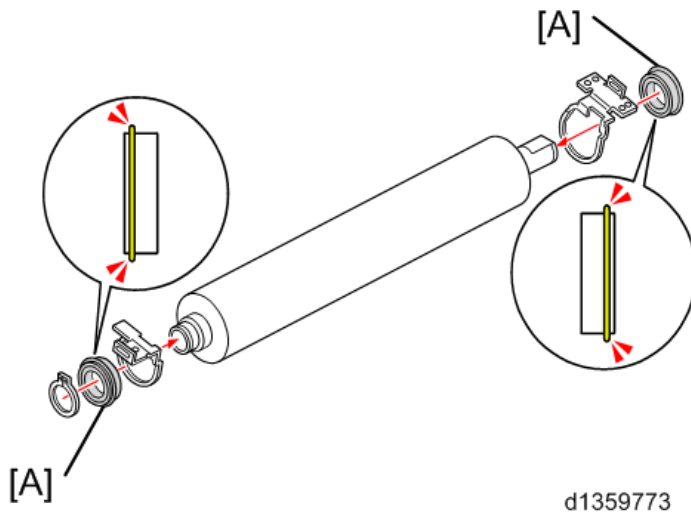
4.Replacement and Adjustment

7. Remove the pressure roller fixing plates [B] and the bearings [C] from the pressure roller [A].

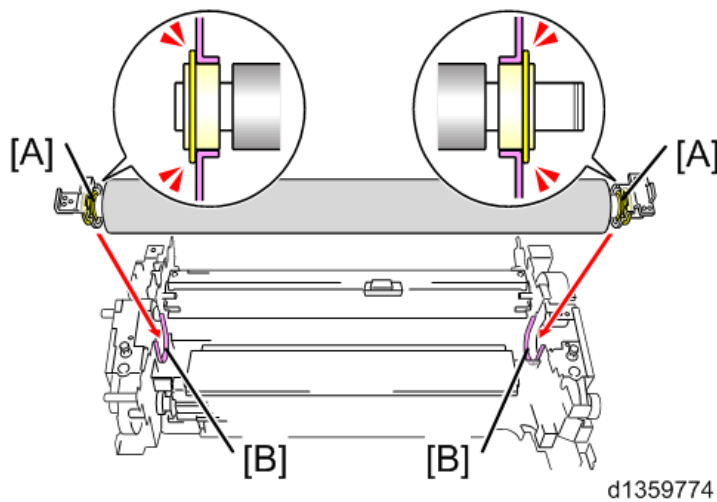


Notes on Installing the Pressure Roller

- When re-installing the bearings on the pressure roller, pay attention to the direction of the bearings [A] (the brimmed part comes to the outside) as shown below.



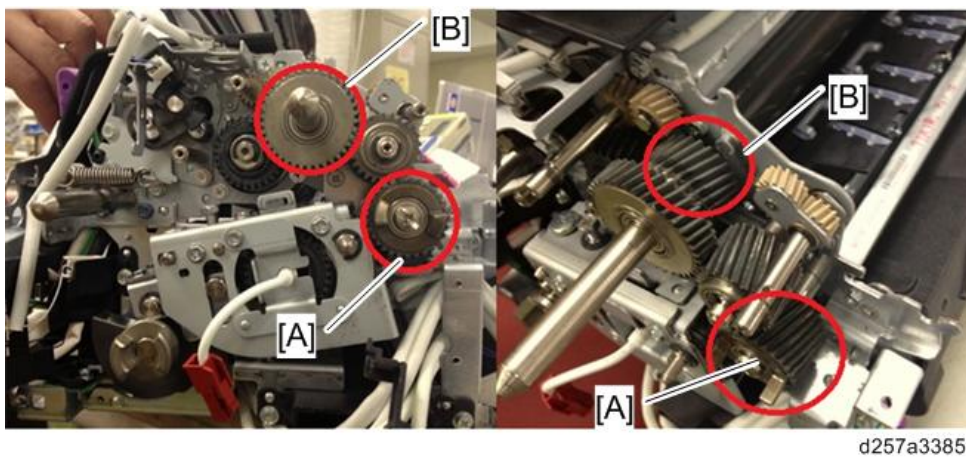
- When re-installing the pressure roller on the fusing unit frame, be sure to make the brimmed parts [A] of the bearings come to the outside of the frame [B] as shown below.



Applying Grease: Gears

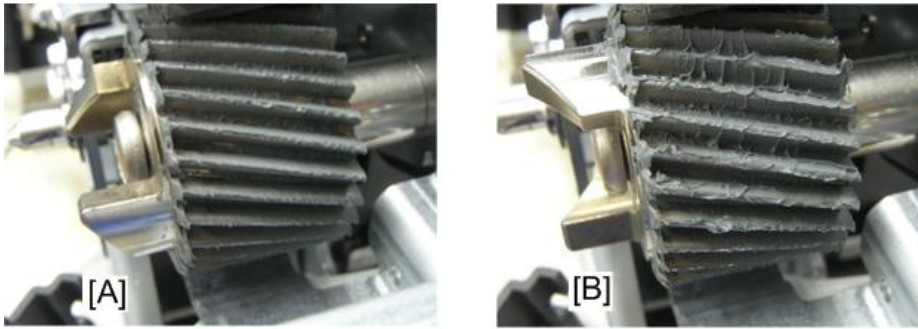
When replacing a gear individually or at the 600K PM, apply grease to reduce the wearing of the gears in the fusing drive gear train and to prevent abnormal noise (Grease: Fluotribo MG).

1. Apply the grease to the pressure roller gear [A] and the small diameter of the two layers gear [B] while rotating the pressure roller gear [A].
2. Check that the grease is applied to all the gears in the gear train (whole circumference and full width).



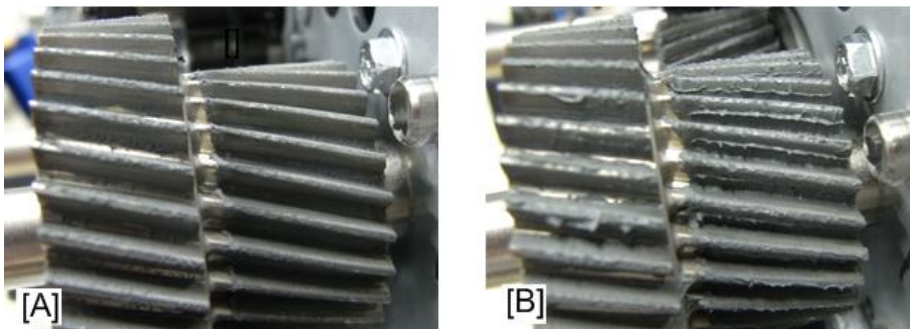
4.Replacement and Adjustment

Pressure Roller Gear: Grease Amount ([A]: lower limit, [B]: upper limit)



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Coaxial Gears: Grease Amount ([A]: lower limit, [B]: upper limit)



d1355208a

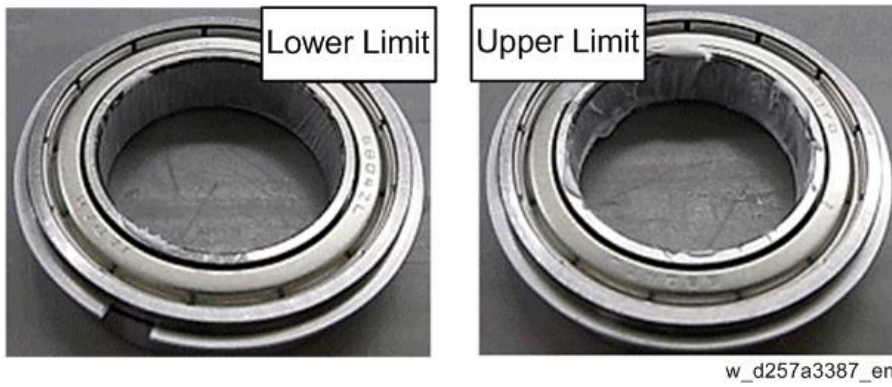
Applying Grease: Bearings (Fusing Roller, Pressure Roller)

When replacing a bearing individually or at the 600K PM, apply grease to reduce the wear of the bearings and to prevent abnormal noise (Grease: Barrierta-S552R).

- 1.** Remove the bearing (fusing roller). ([Heating Roller](#), [Fusing Roller](#), [Fusing Belt](#))
Remove the bearing (pressure roller). ([Pressure Roller](#))
- 2.** Apply the grease to the inner surface of the bearings.
- 3.** Rotate the ball bearing to check that the ball bearing and the inner surface move smoothly without touching each other.

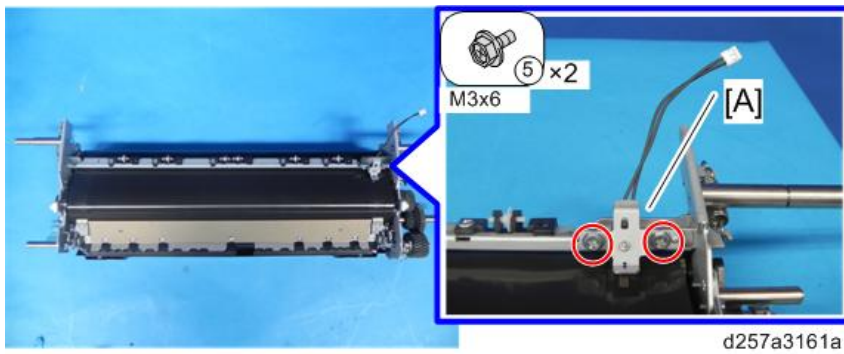


d1355267r

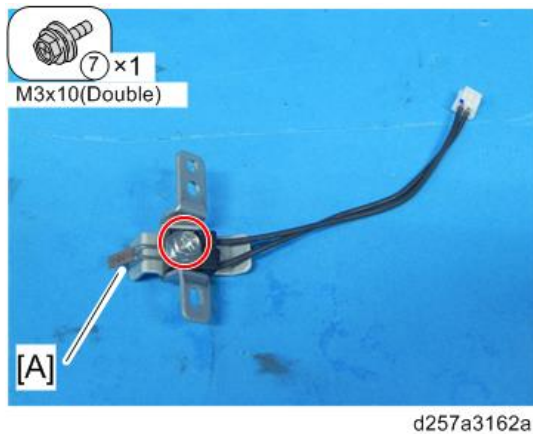


Thermistor (Fusing Belt)

1. Separate the fusing unit into the upper part and the lower part. ([Separating the Fusing Unit](#))
2. Remove the thermistor (fusing belt) [A] along with the bracket.



3. Remove the thermistor (fusing belt) [A].

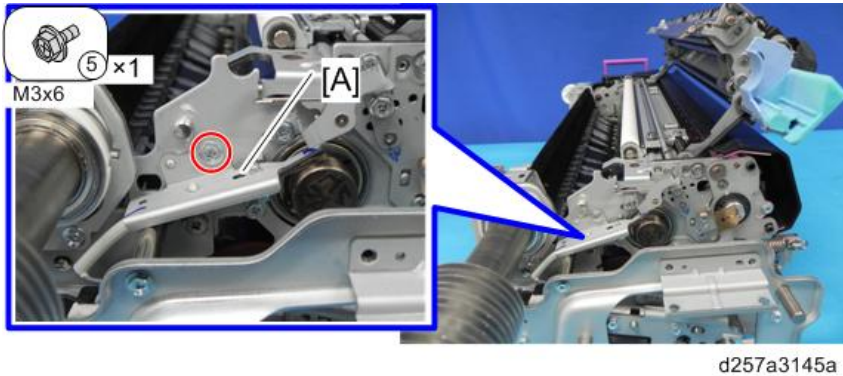


Thermistor (Hot Roller Shaft)

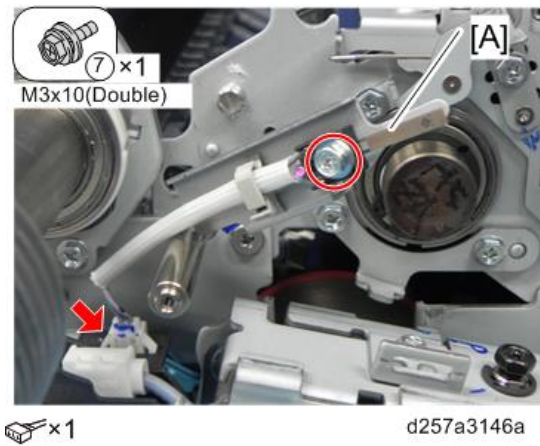
1. Remove the fusing front cover and fusing upper cover. ([Fusing Unit Cover](#))

4.Replacement and Adjustment

2. Remove the thermistor (hot roller shaft) [A] along with the bracket.

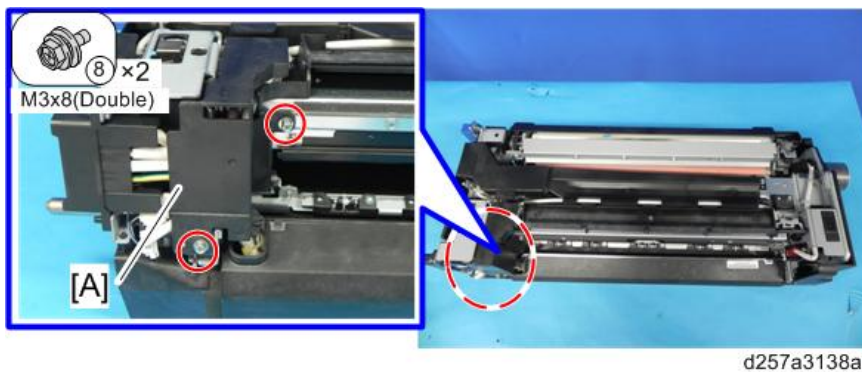


3. Remove the thermistor (hot roller shaft) [A].

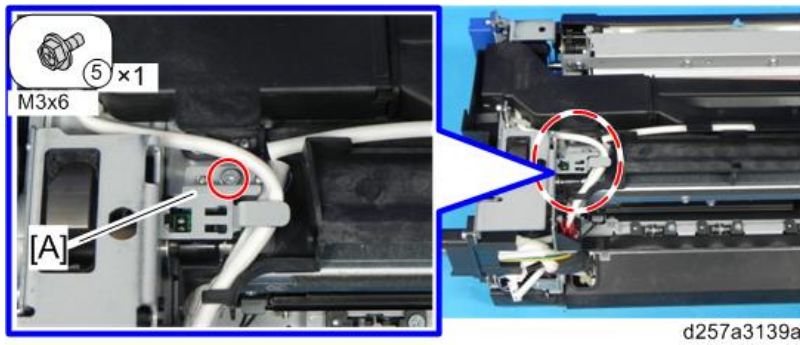


Pressure Roller Sensor (Rear)

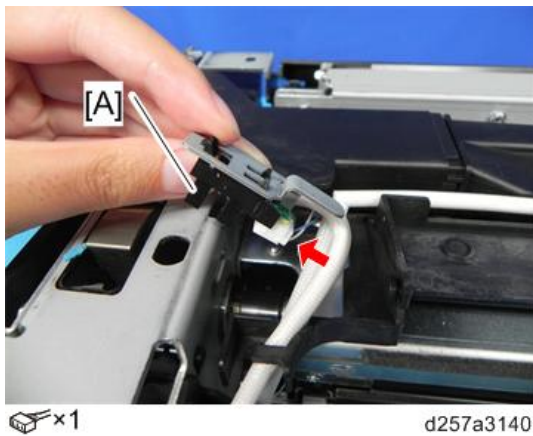
1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Turn the lower part of the fusing unit upward, and remove the cover [A].



3. Remove the pressure roller sensor (rear) [A] along with the bracket.

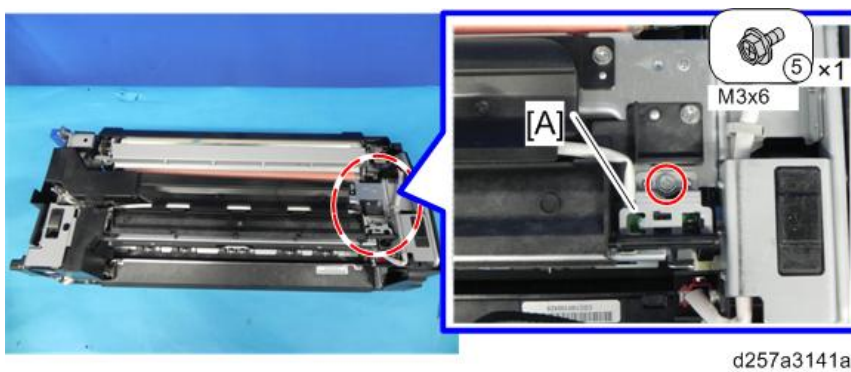


4. Detach the pressure roller sensor (rear) [A].



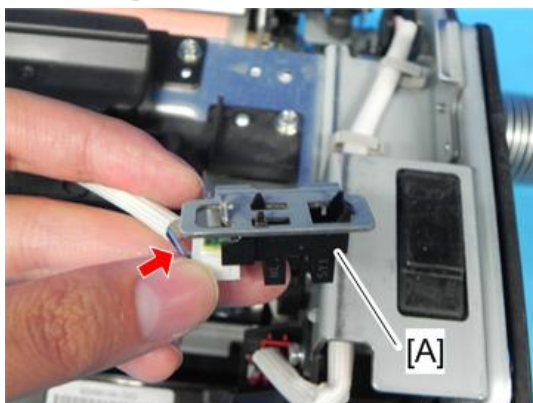
Pressure Roller Sensor (Front)

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Turn the lower part of the fusing unit upward, and remove the pressure roller sensor (front) [A] along with the bracket.



4.Replacement and Adjustment

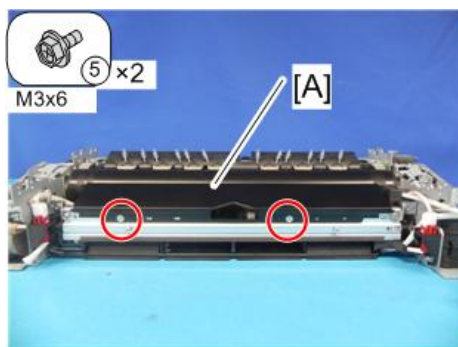
3. Detach the pressure roller sensor (front) [A].



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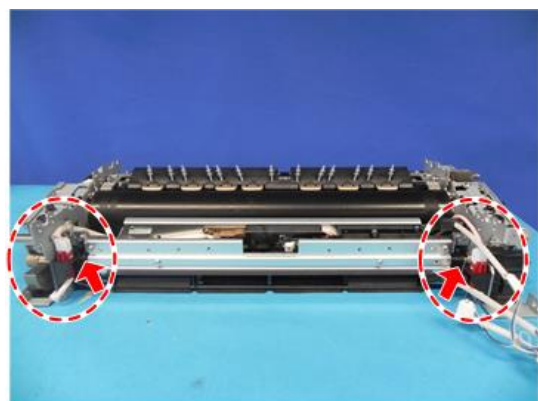
Thermopile (Pressure Roller)

1. Separate the fusing unit into the upper part and the lower part. (Separating the Fusing Unit)
2. Remove the cover [A].



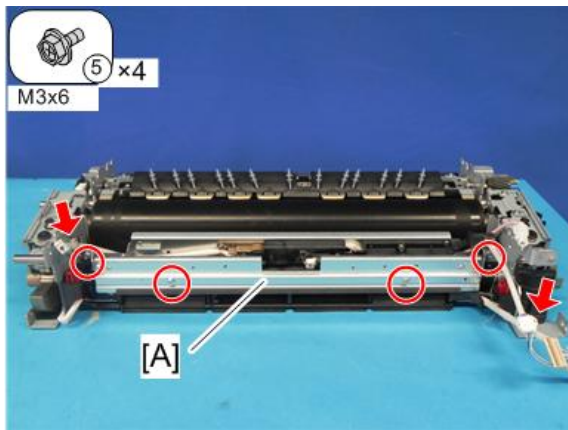
d257a3163a

3. Remove the connectors on both sides.



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4. Remove the assembly [A].

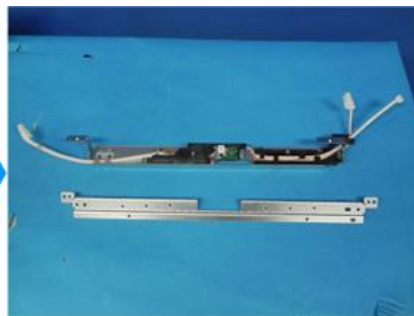
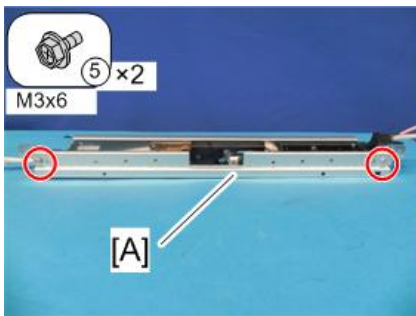


□ x1 ⚙ x1



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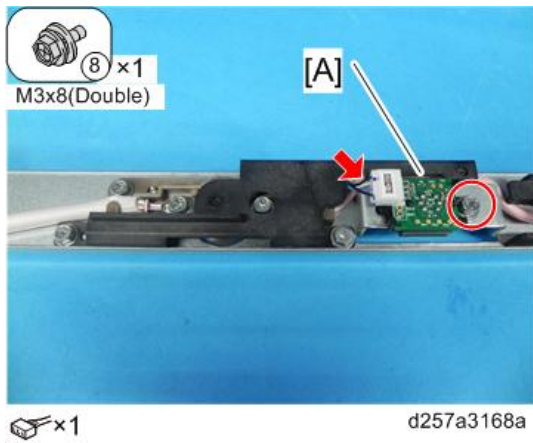
5. Remove the stay [A].



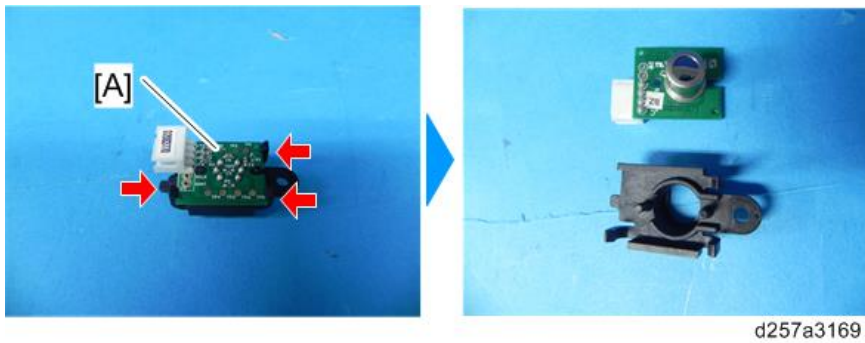
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4.Replacement and Adjustment

6. Remove the thermopile (pressure roller) [A] along with the bracket.

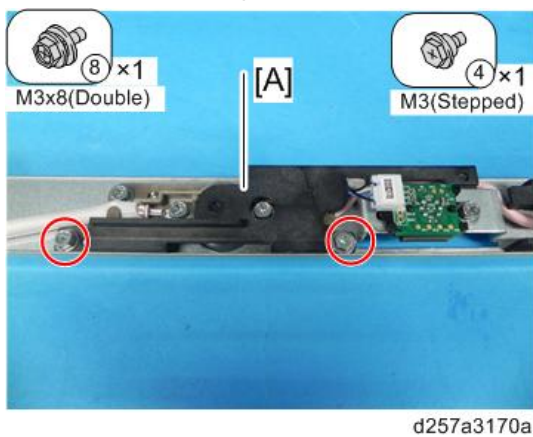


7. Release the pawls, and remove the thermopile (pressure roller) [A].

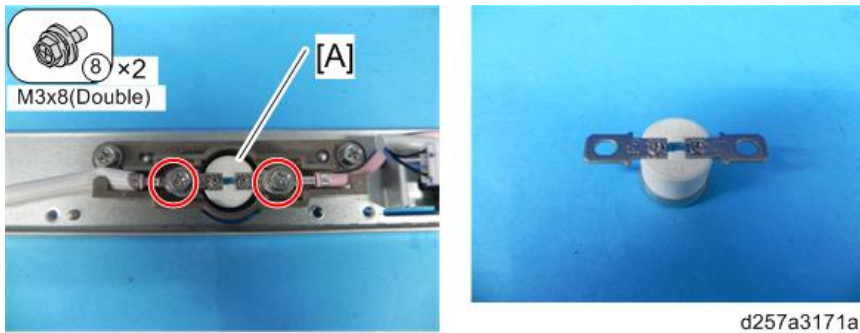


Thermostat (Pressure Roller)

1. Separate the fusing unit into the upper part and the lower part. ([Separating the Fusing Unit](#))
2. See “Thermopile (Pressure Roller) Steps 1 to 6”. ([Thermopile \(Pressure Roller\)](#))
3. Remove the harness guide [A].

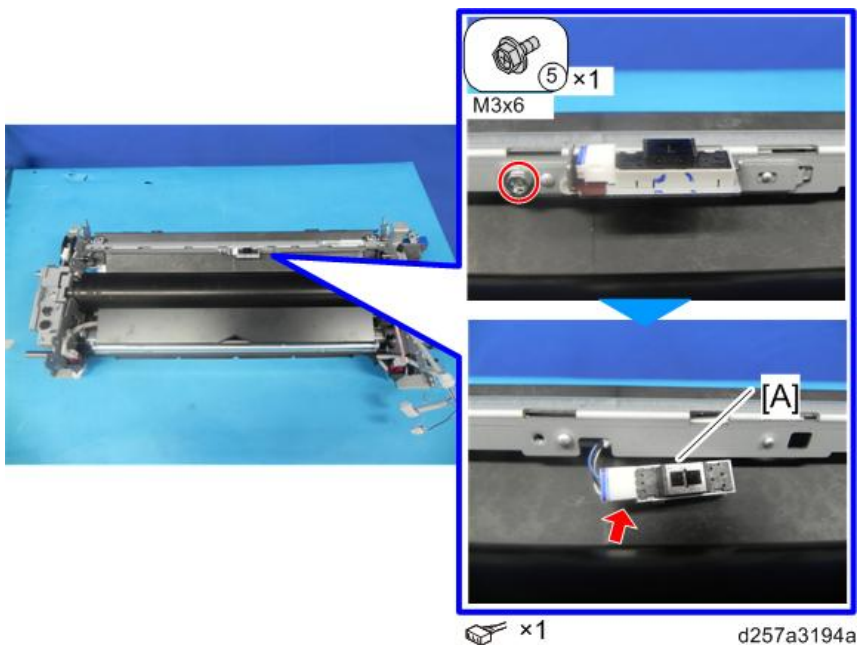


- 4.** Remove the thermostat (pressure roller) [A].



Fusing Paper Feed Sensor

- 1.** Separate the fusing unit into the upper part and the lower part. ([Separating the Fusing Unit](#)).
- 2.** Remove the pressure roller stripper plate. ([Pressure Roller Stripper Plate](#))
- 3.** Detach the fusing paper feed sensor [A].



Adjustment after replacing the fusing paper feed sensor

Do the following procedure after replacing the fusing paper feed sensor.

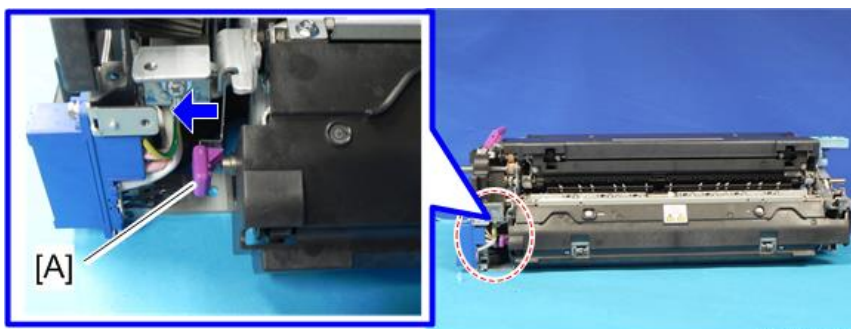
- 1.** Make sure the entire paper path is clear of paper.
- 2.** Close the drawer unit and front right cover.
- 3.** Do SP1-134-001.
- 4.** Confirm the value in SP1-134-002 is in between 200 and 400.
- 5.** Reboot.

Fusing Cleaning Web Unit (Pro C5200S/C5210S Only)

- 1.** Remove the fusing heat pipe. ([Fusing Heat Pipe](#))

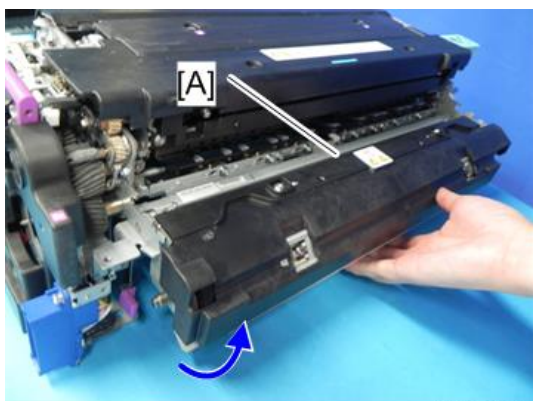
4.Replacement and Adjustment

2. Push the stopper [A] on the left side of the fusing cleaning web unit in the arrow direction as shown below.



d257a3313

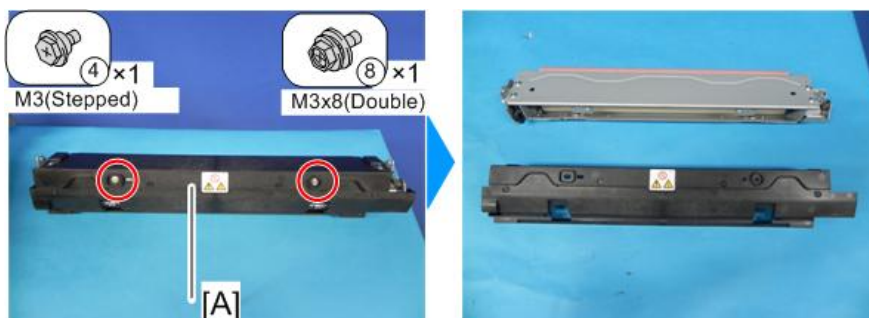
3. Raise the fusing cleaning web unit [A] as shown below to make it upright, and then remove it.



d257a3314

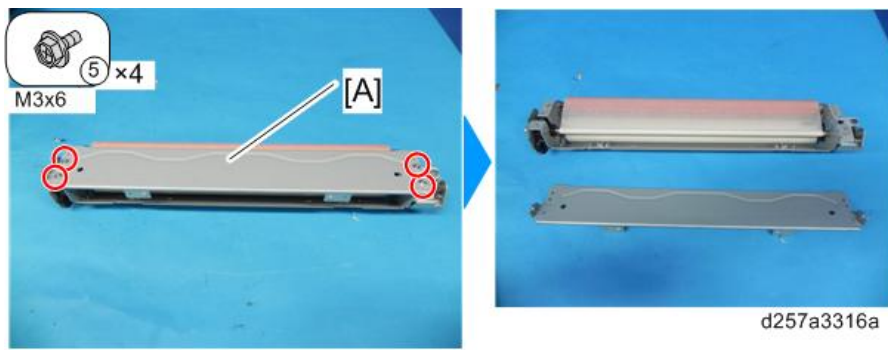
Fusing Cleaning Web (Pro C5200S/C5210S Only)

1. Remove the fusing cleaning web unit. (Fusing Cleaning Web Unit (Pro C5200S/C5210S Only))
2. Remove the cover [A] of the fusing cleaning web unit.

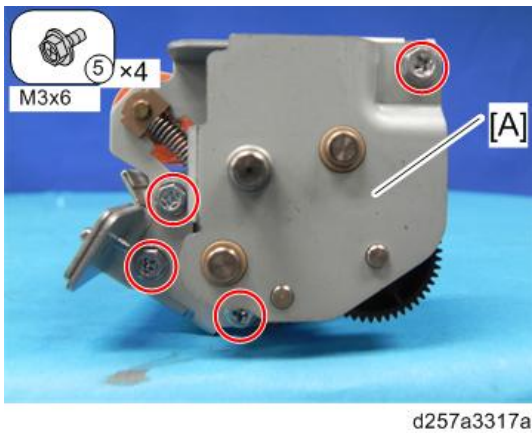


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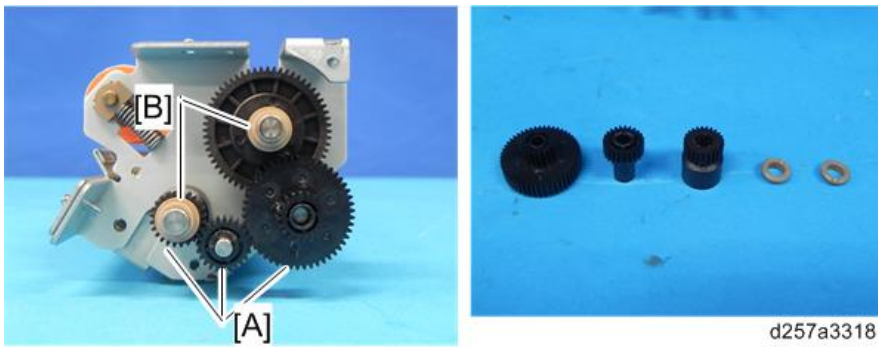
3. Remove the bracket [A].



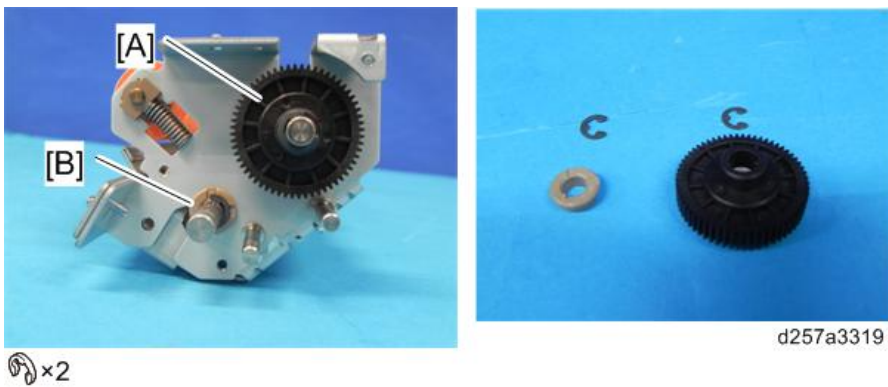
4. Remove the bracket [A].



5. Remove the gears [A] (x3) and bearings [B] (x2).

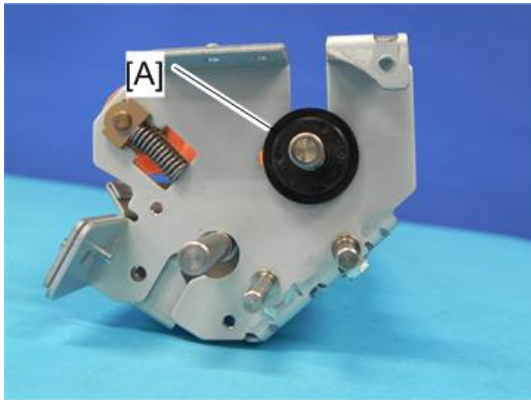


6. Remove the gear [A] and bearing [B].



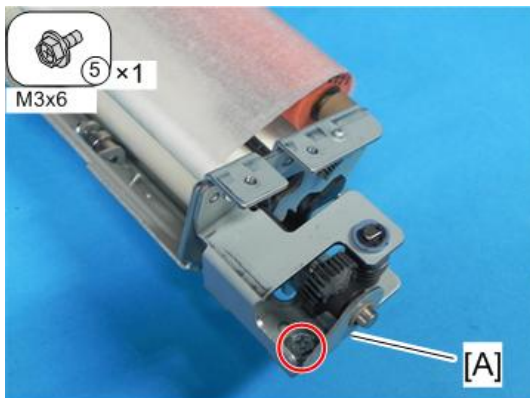
4.Replacement and Adjustment

7. Remove the bearing [A].



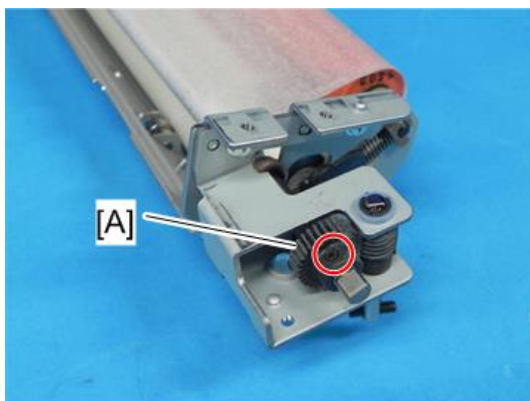
d257a3320

8. Remove the bracket [A].



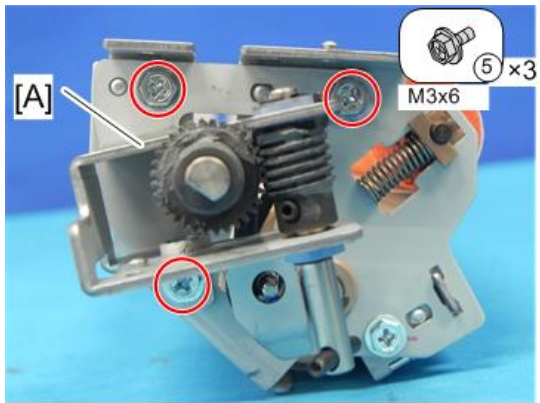
d257a3321a

9. Loosen the gear [A] with the hexagonal wrench, and then remove it.



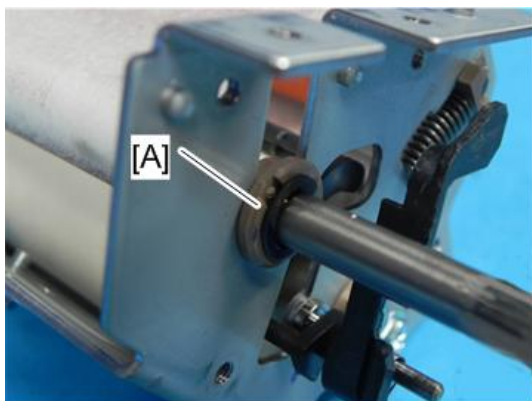
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10. Remove the bracket [A].



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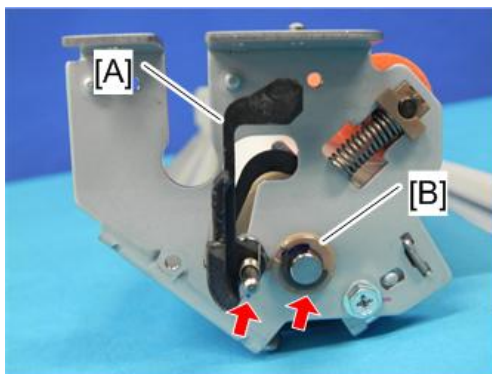
11. Remove the E-ring [A].



5 x 1

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12. Remove the feeler [A] and bearing [B].



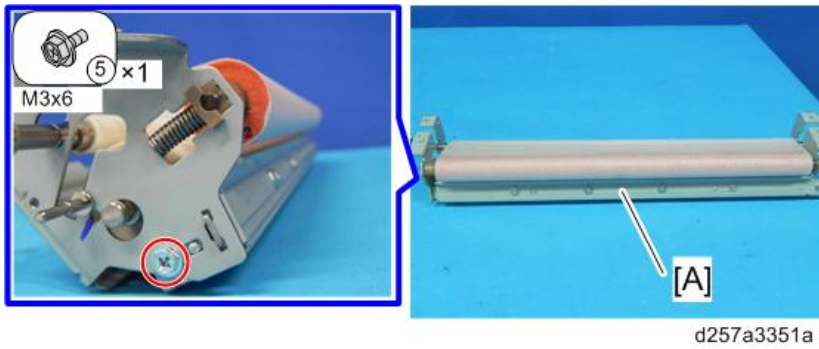
5 x 1 5 x 1



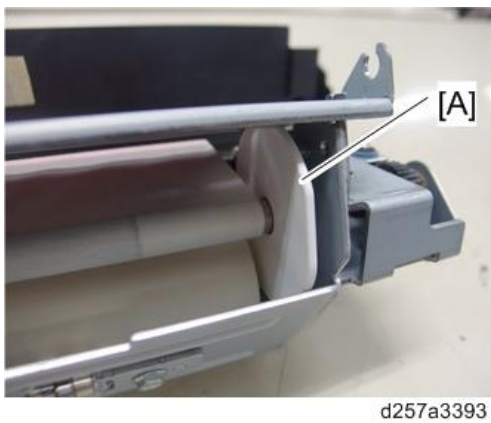
d257a3325

4.Replacement and Adjustment

13. Remove the stay [A].

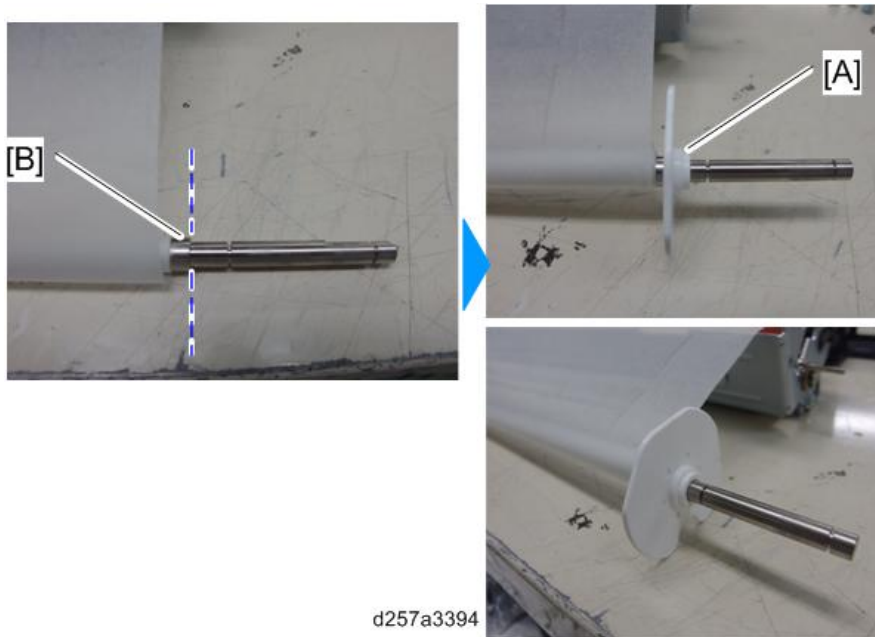


14. Remove the ring [A].

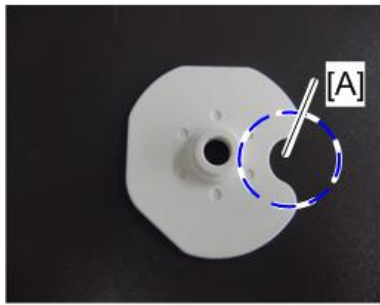


★ Important

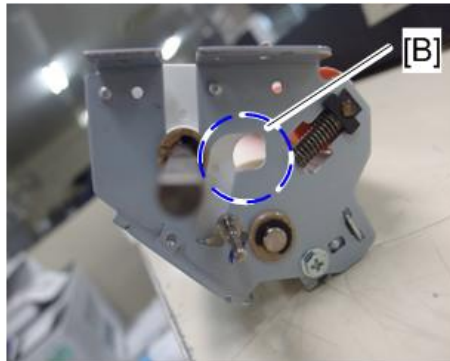
- When you re-install the ring, put the ring through the shaft with the protruding part [A] of the ring facing outside. Push the ring until it reaches the step [B] in the shaft.



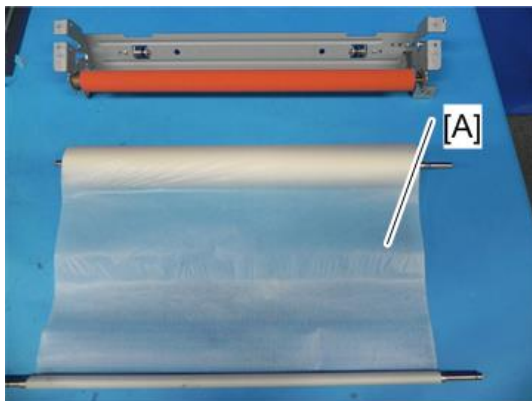
- When you re-install the shaft in the frame, put the concave part [A] of the ring over the hole [B] in the frame to insert the feeler.



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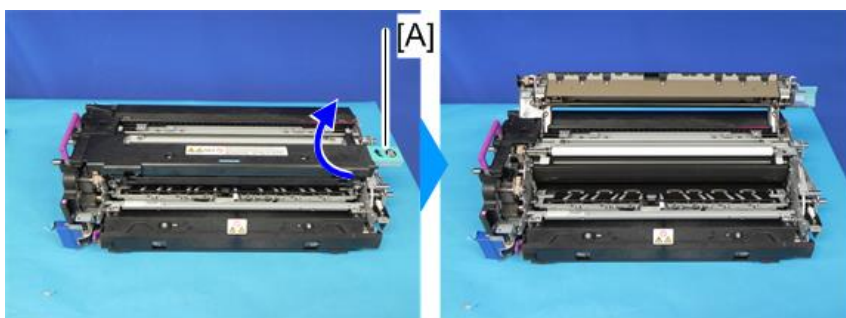
- 15.** Remove the fusing cleaning web [A].



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Fusing Belt Smoothing Roller (Pro C5200S/C5210S Only)

- 1.** Remove the fusing upper cover. ([Fusing Upper Cover](#))
- 2.** Lift the open/close lever [A].



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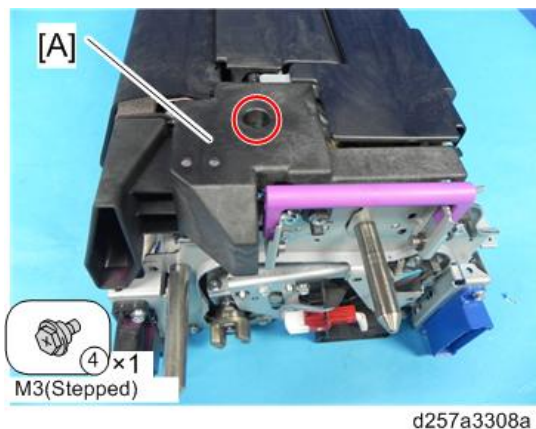
4.Replacement and Adjustment

- 3.** Hold the handgrips of the fusing belt smoothing roller [A]. Slide and remove the roller.

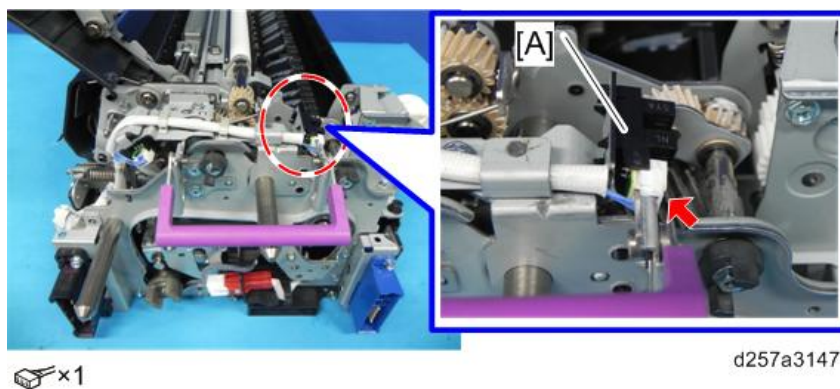


Fusing Belt Smoothing Roller Contact Sensor (Pro C5200S/C5210S)

- 1.** Remove the fusing rear cover. ([Fusing Front and Rear Covers](#))
- 2.** Remove the cover [A].

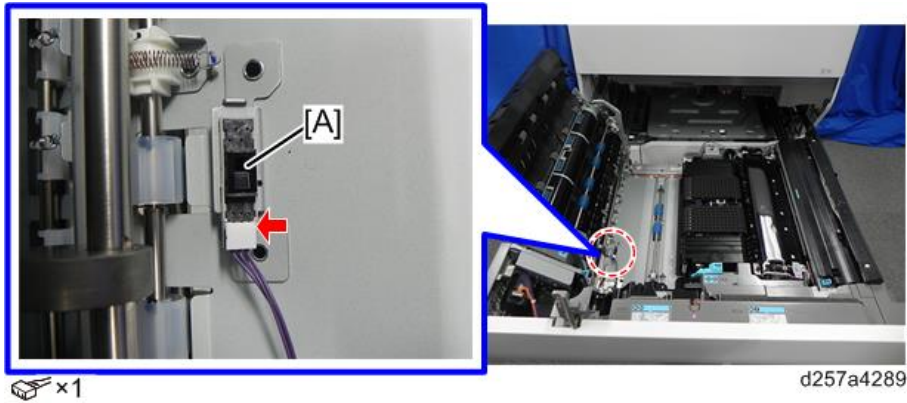


- 3.** Remove the fusing belt smoothing roller contact sensor [A].



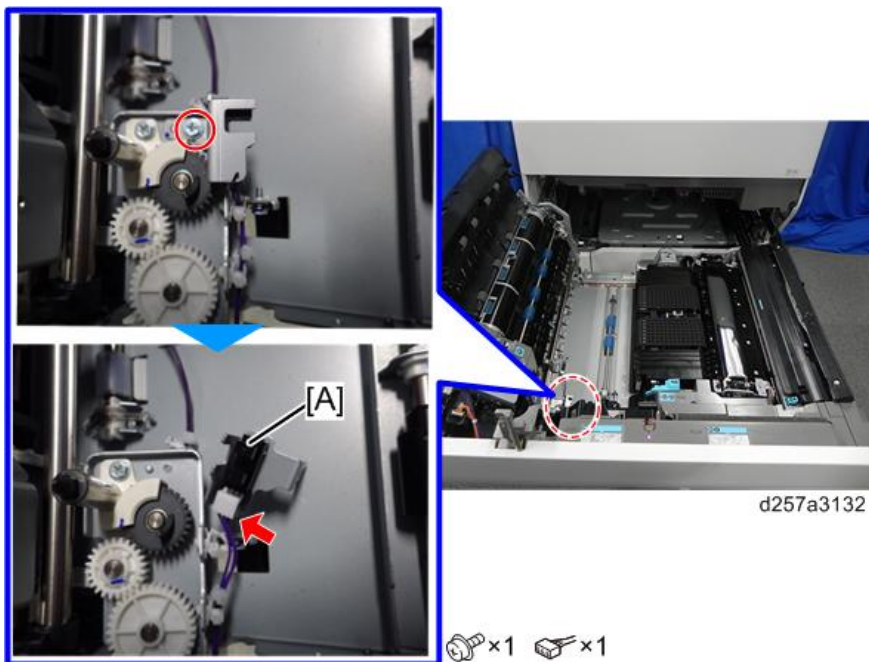
Cleaning Web Set Sensor (Pro C5200S/C5210S Only)

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the cleaning web set sensor [A].



Cleaning Web End Sensor (Pro C5200S/C5210S Only)

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the cleaning web end sensor [A].

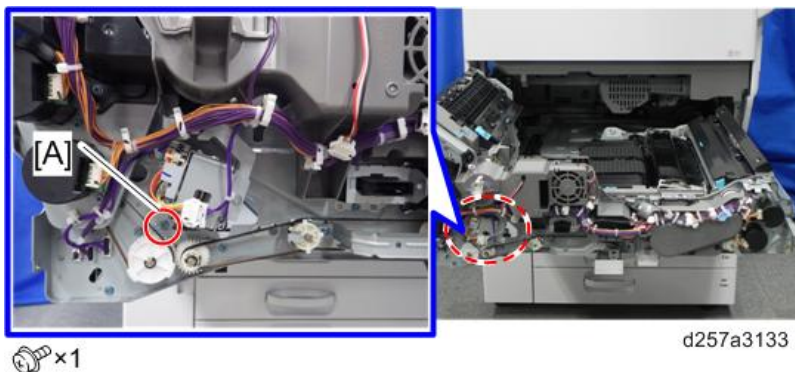


Cleaning Web Contact Sensor (Pro C5200S/C5210S Only)

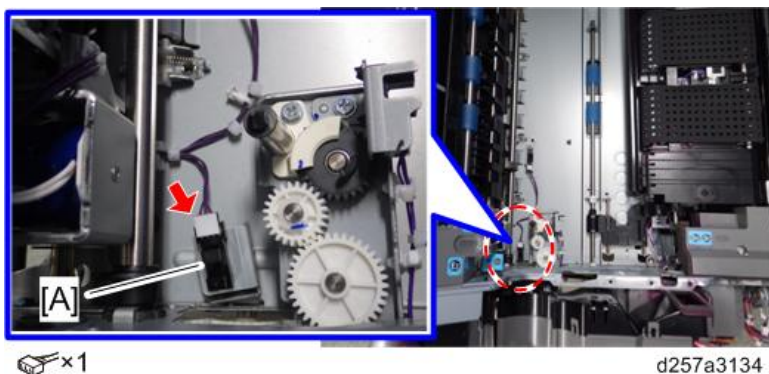
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the fusing unit. ([Removing the Fusing Unit](#))

4.Replacement and Adjustment

3. Remove the bracket [A] of the cleaning web contact sensor.

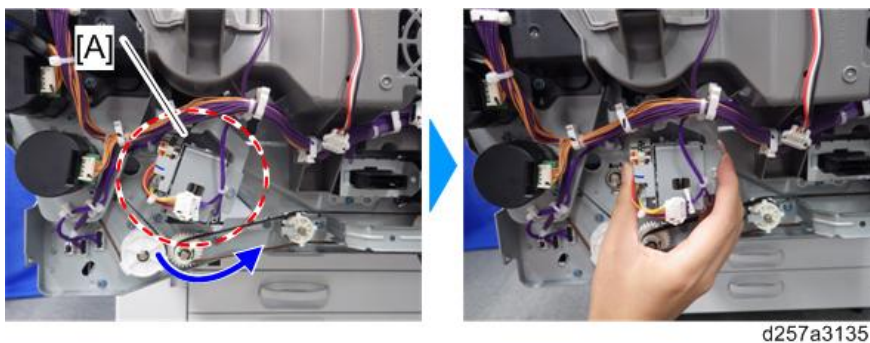


4. Remove the cleaning web contact sensor [A].



Note

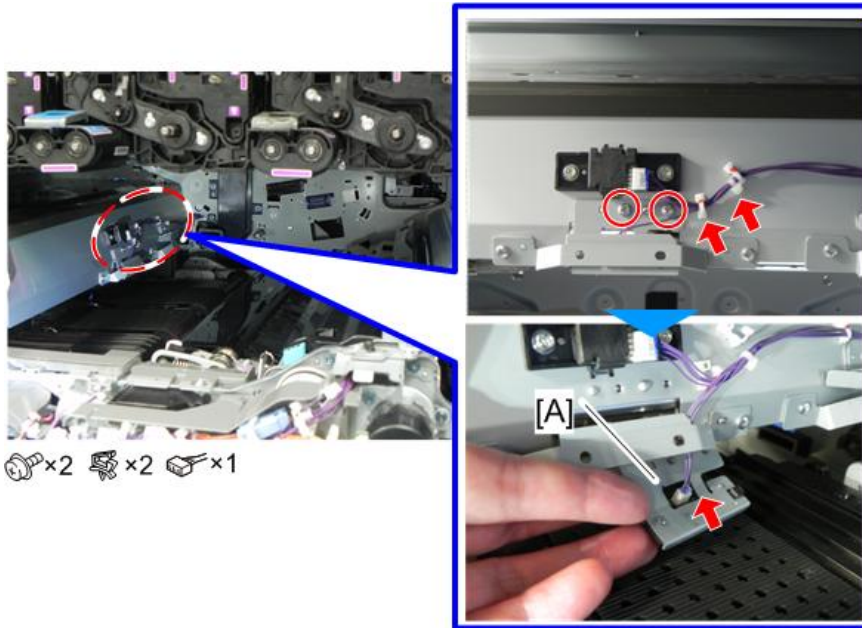
- Rotate the cleaning web motor [A] counter-clockwise, to make a space in the drawer unit to remove the cleaning web contact sensor.



Fusing Entrance Sensor

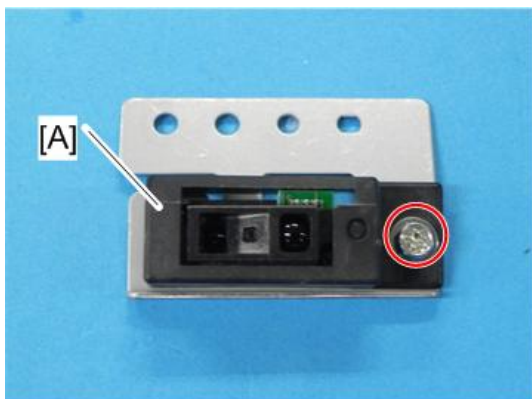
1. Remove the ITB cleaning unit. ([ITB Cleaning Unit](#))
2. Remove the ITB unit. ([ITB Unit Removal](#))

3. Remove the fusing entrance sensor [A] along with the bracket.



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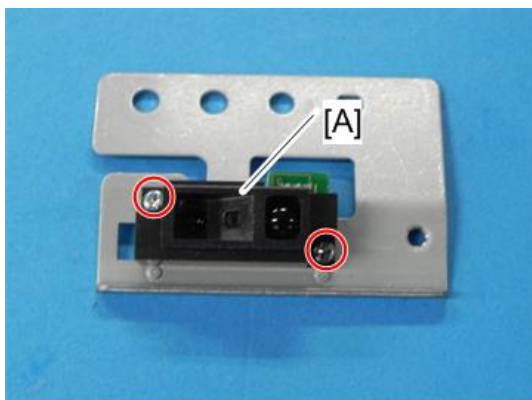
4. Remove the cover [A].



×1

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5. Remove the fusing entrance sensor [A].



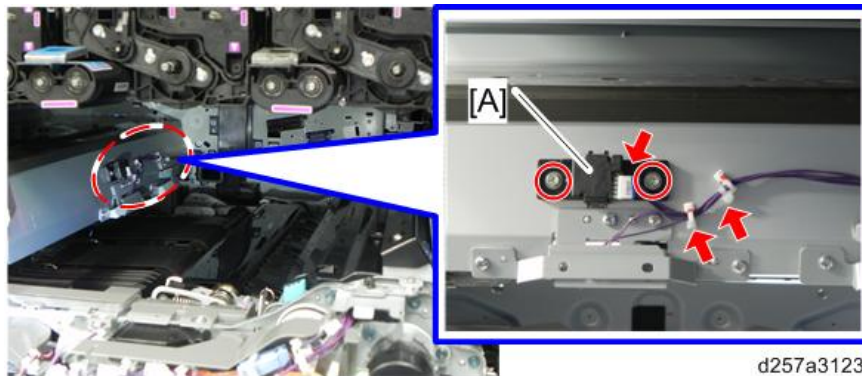
×2

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4.Replacement and Adjustment

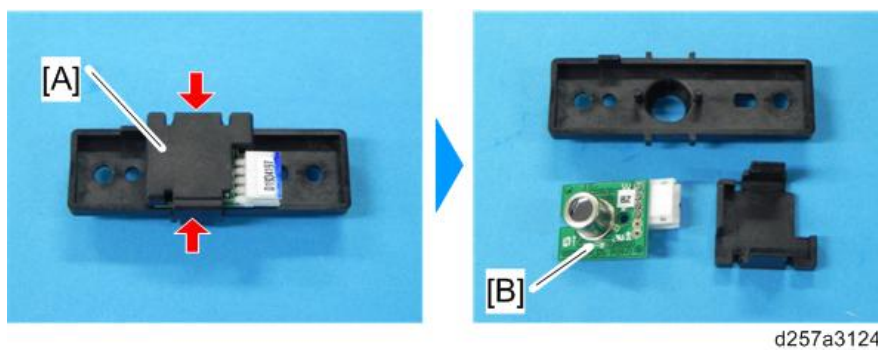
Thermopile (Fusing Belt)

1. Remove the ITB cleaning unit. ([ITB Cleaning Unit](#))
2. Remove the ITB unit. ([ITB Unit Removal](#))
3. Remove the thermopile (fusing belt) [A] along with the resin cover.



⚙️ ×2 🛠️ ×2 📦 ×1

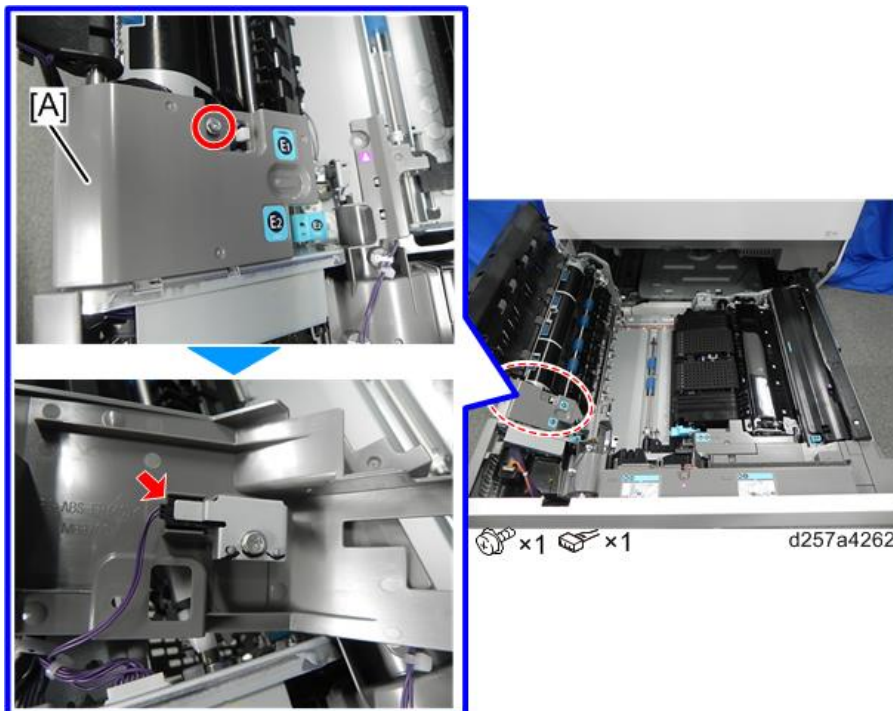
4. Release the two pawls to remove the resin cover, and remove the thermopile (fusing belt).



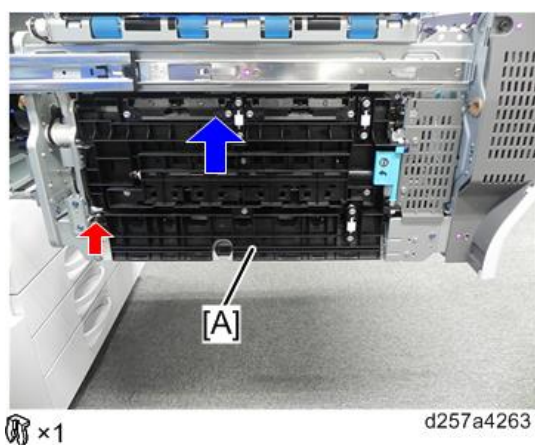
Paper Exit and Duplex Unit

Paper Exit Unit

1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the paper exit inner cover [A].
3. Turn over the paper exit inner cover [A] and disconnect the connector.

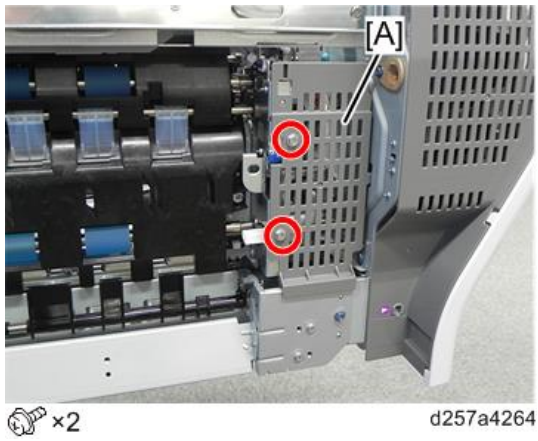


4. Lift the exit guide plate [A] to remove it.

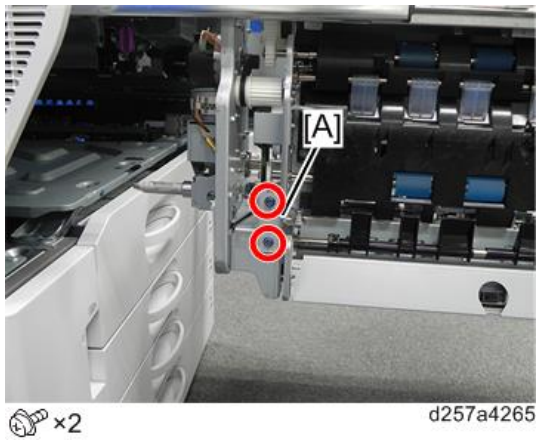


4.Replacement and Adjustment

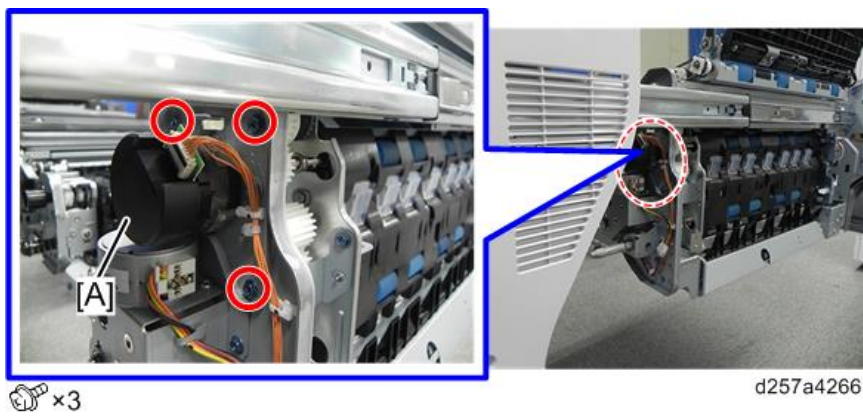
5. Remove the cover [A].



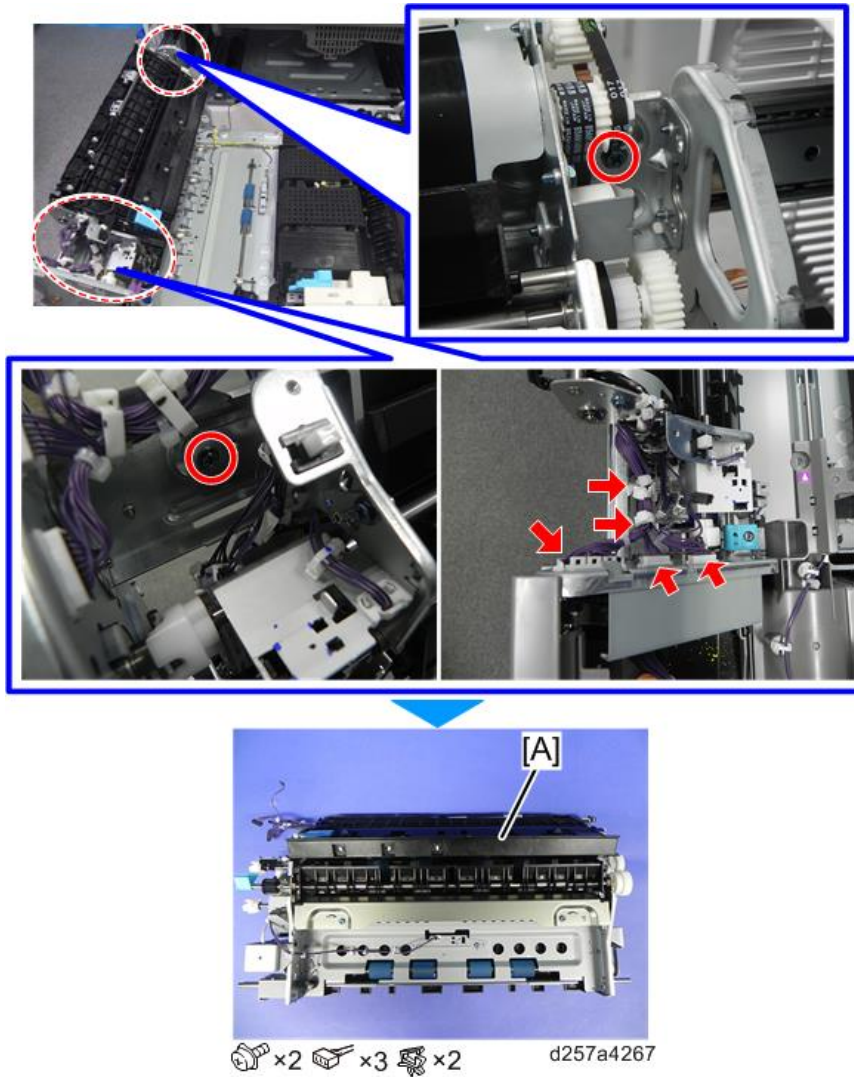
6. Remove the connector bracket [A].



7. Remove the inverter exit motor [A] along with the bracket.



8. Remove the paper exit unit [A].

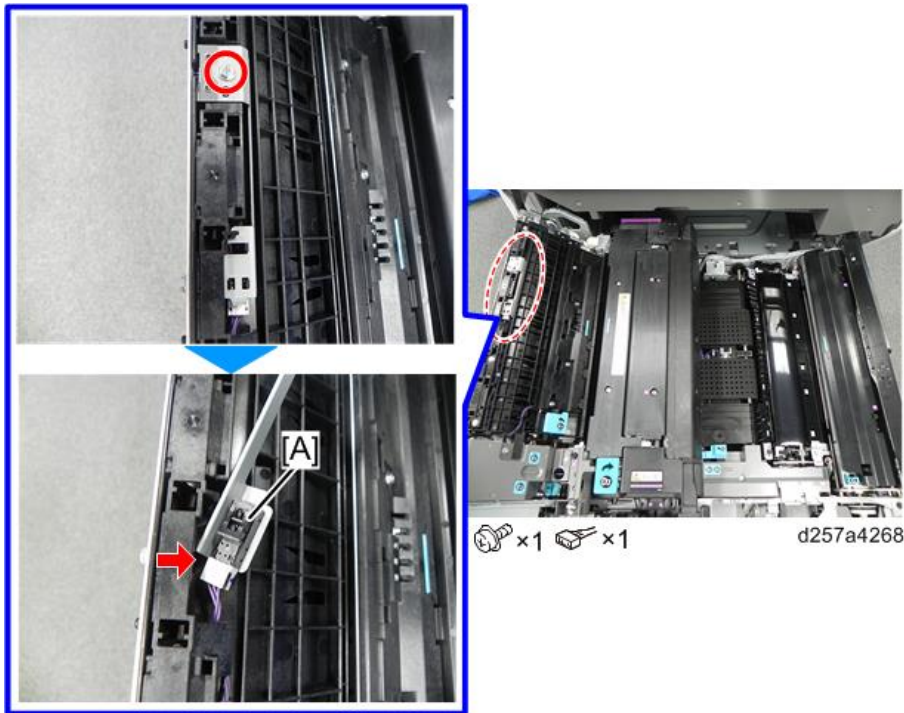


Paper Exit Sensor

1. Open the drawer unit.

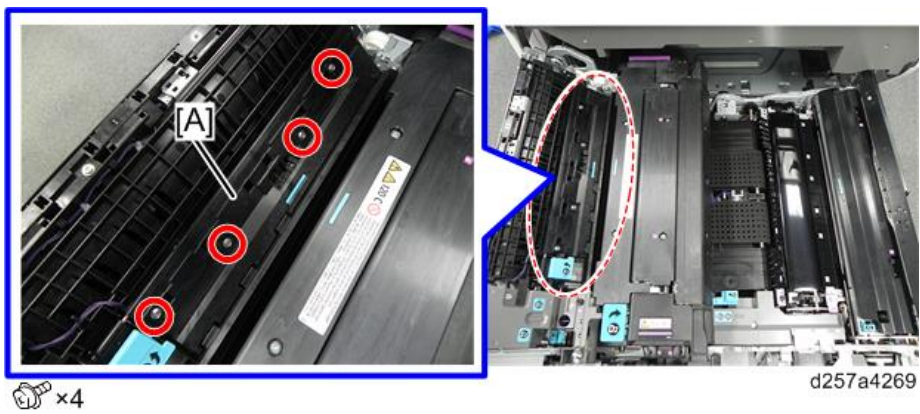
4.Replacement and Adjustment

2. Remove the paper exit sensor [A].

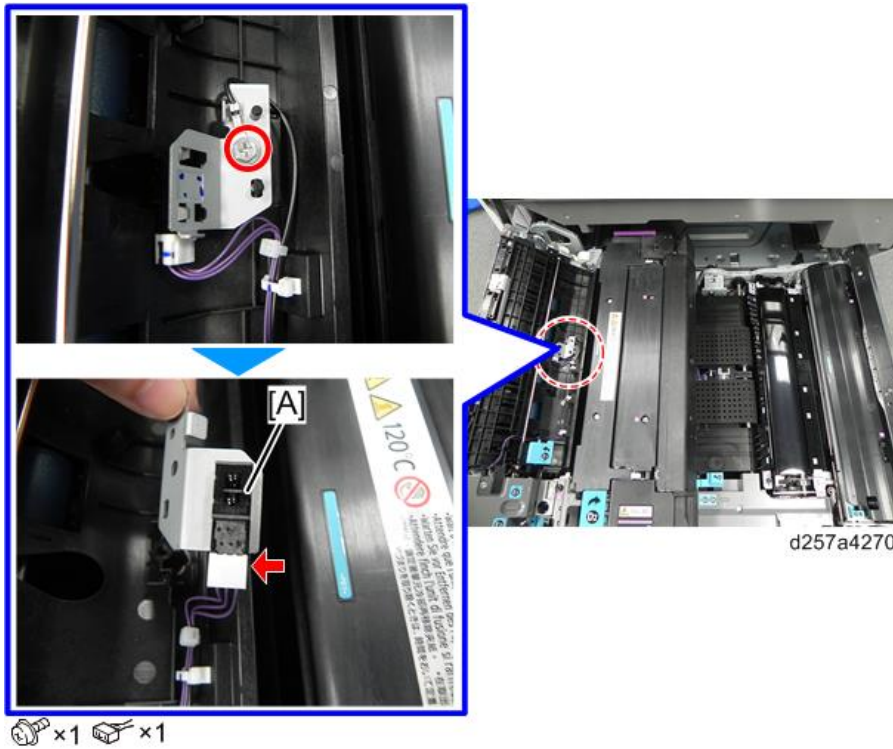


Paper Exit Relay Sensor

1. Open the drawer unit.
2. Remove the guide plate [A].

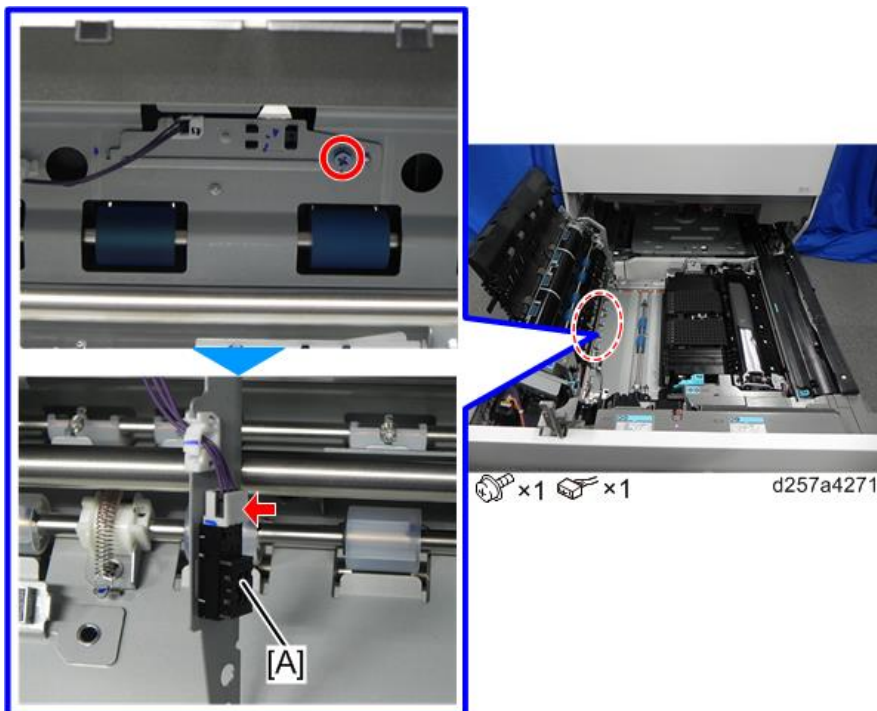


3. Remove the paper exit relay sensor [A].



Inverter Exit Sensor

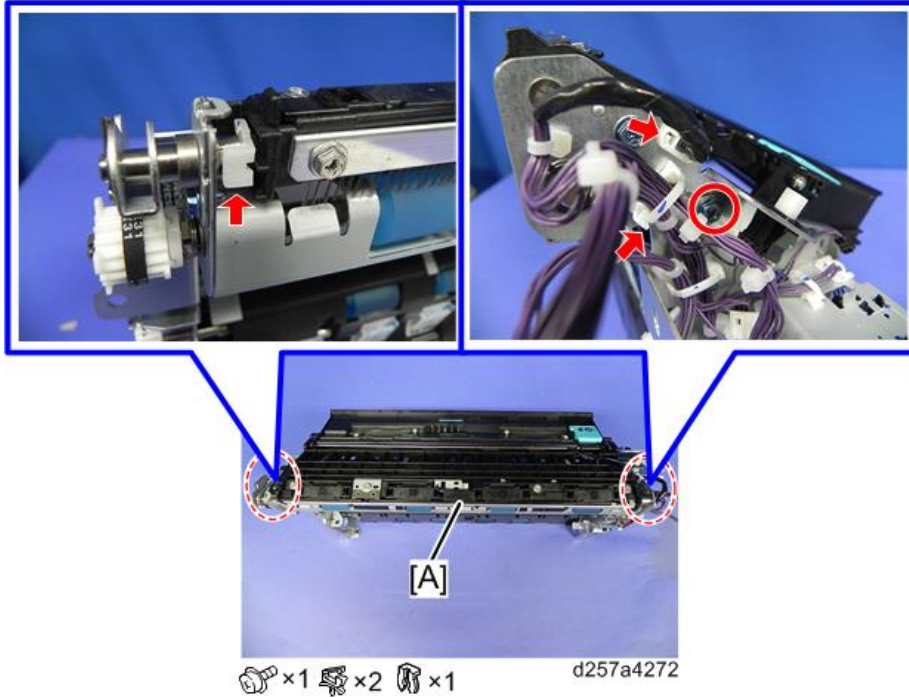
1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the inverter exit sensor [A].



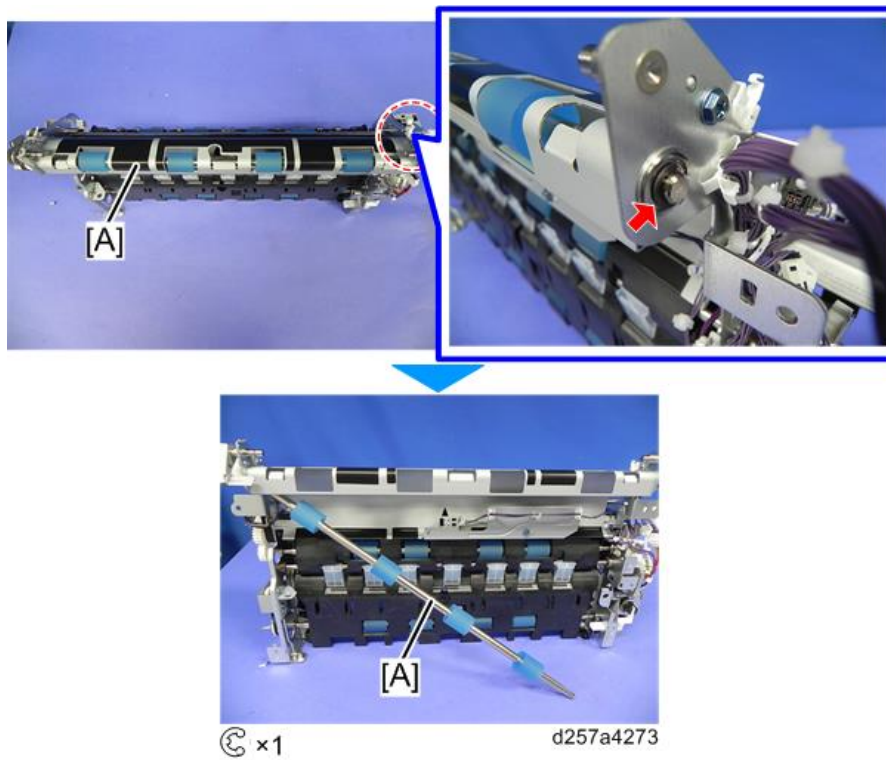
4.Replacement and Adjustment

Inverter Feed-in Sensor

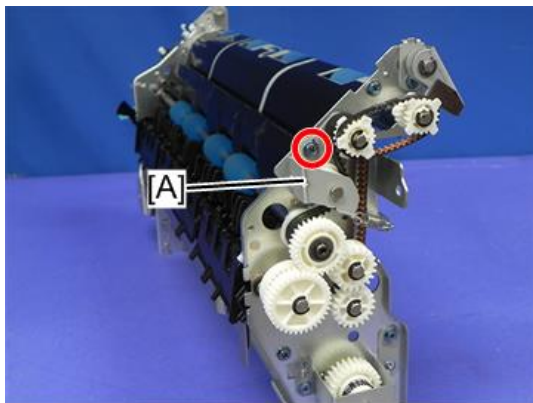
1. Remove the paper exit unit. ([Paper Exit Unit](#))
2. Remove the guide plate [A].



3. Remove the roller [A].



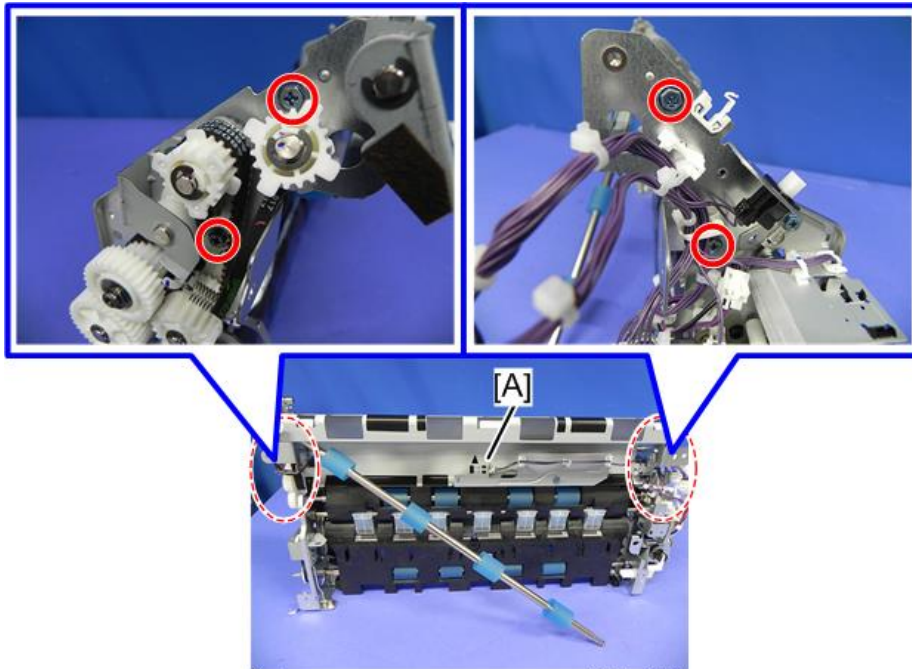
4. Loosen the bracket [A].



 x1

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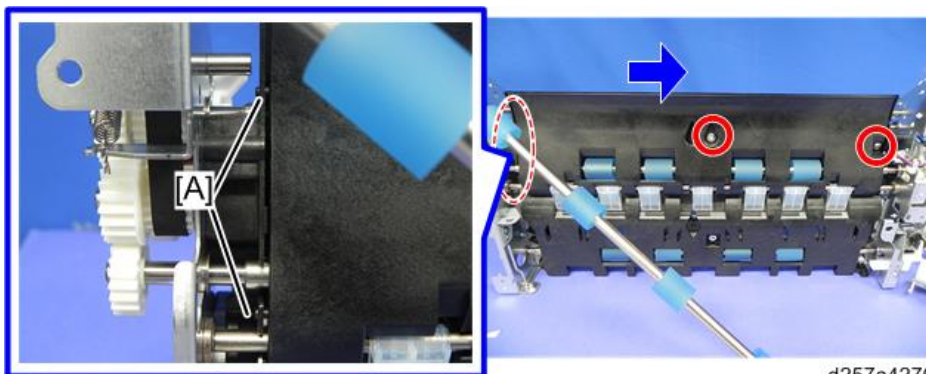
5. Remove the guide plate [A].



 x4

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6. Remove the guide [A] by sliding it to the right.

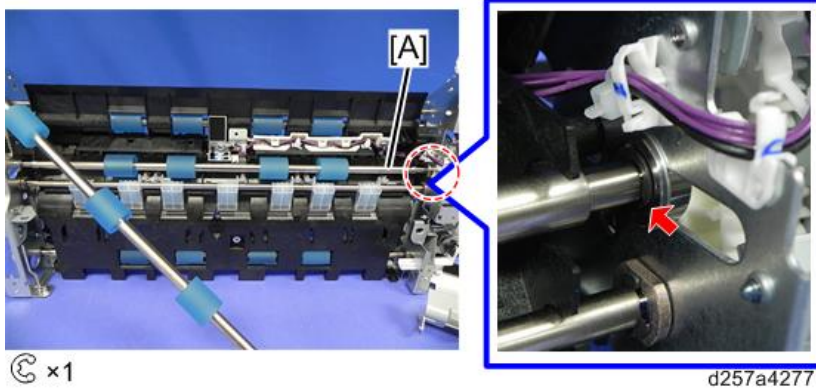


 x2

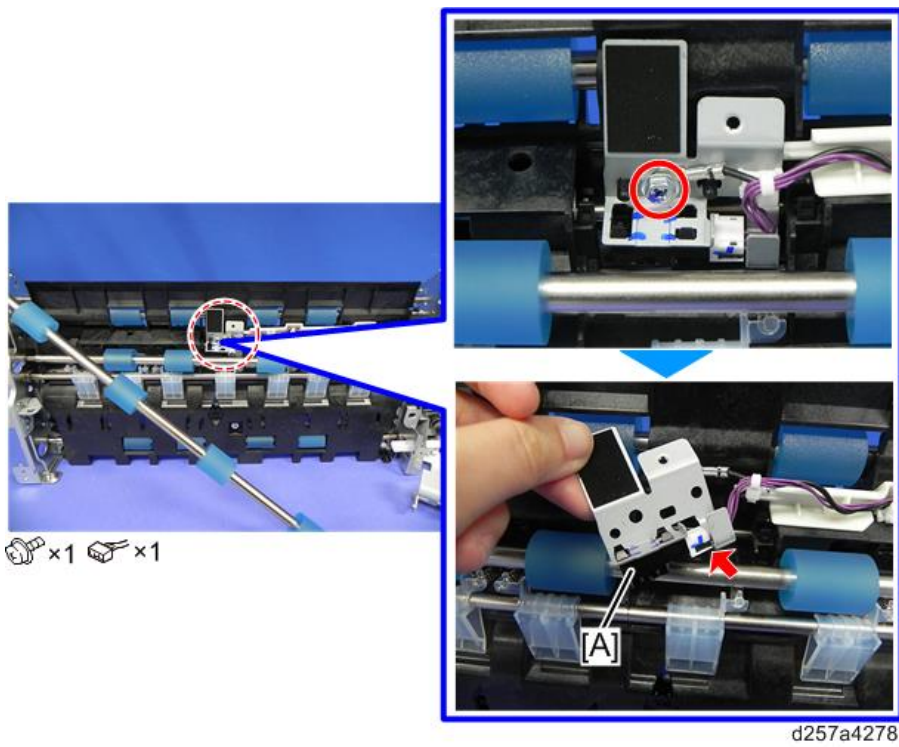
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4.Replacement and Adjustment

7. Disconnect the right side of the roller [A].



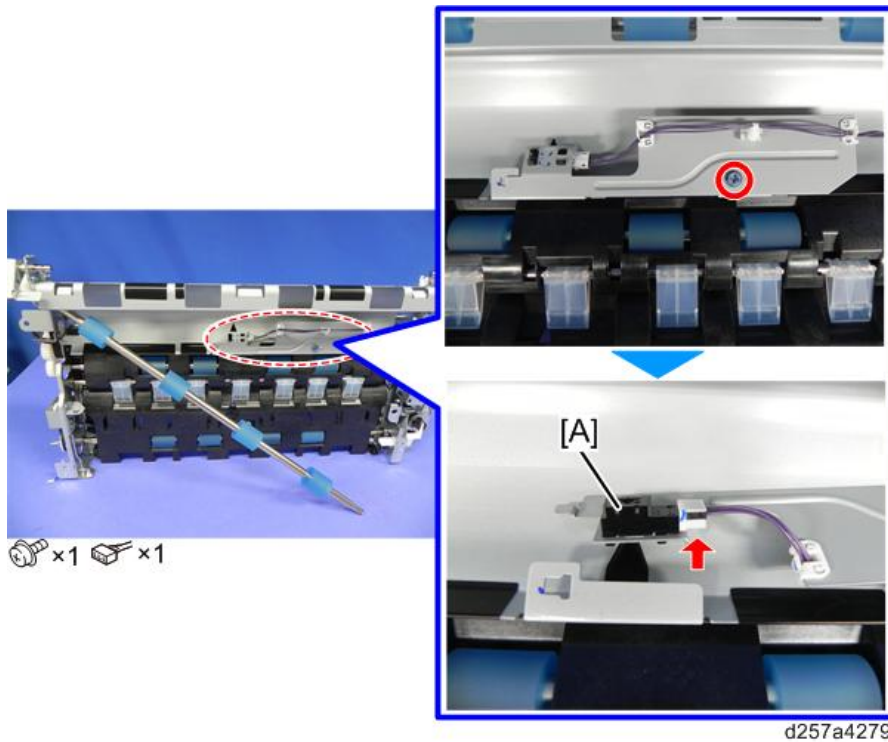
8. Remove the inverter feed-in sensor [A] along with the bracket.



Inverter Feed-out Sensor

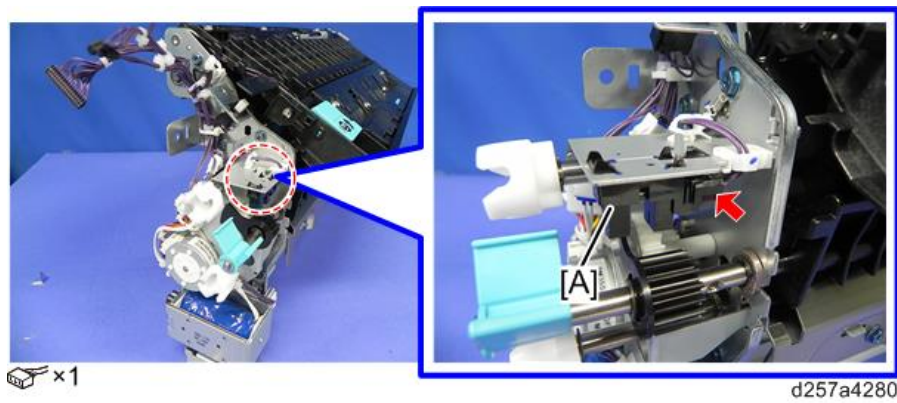
1. Remove the paper exit unit. (Paper Exit Unit)

2. Remove the inverter feed-out sensor [A].



Inverter Junction Gate Home Position Sensor

1. Remove the paper exit unit. ([Paper Exit Unit](#))
2. Remove the inverter junction gate home position sensor [A].

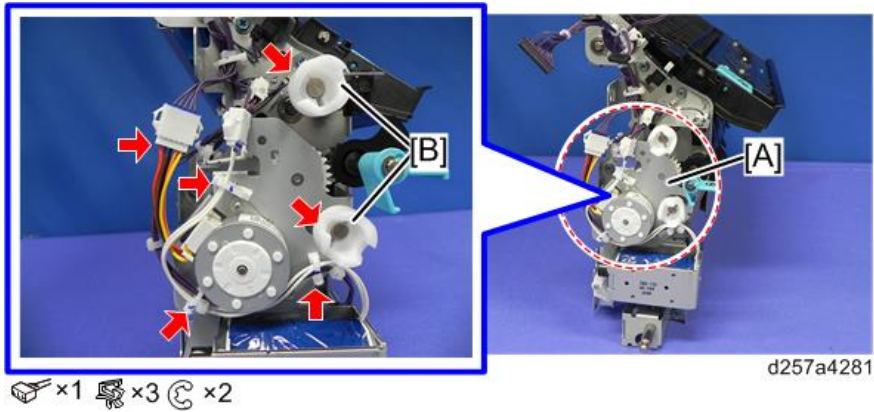


Inverter Junction Gate Motor

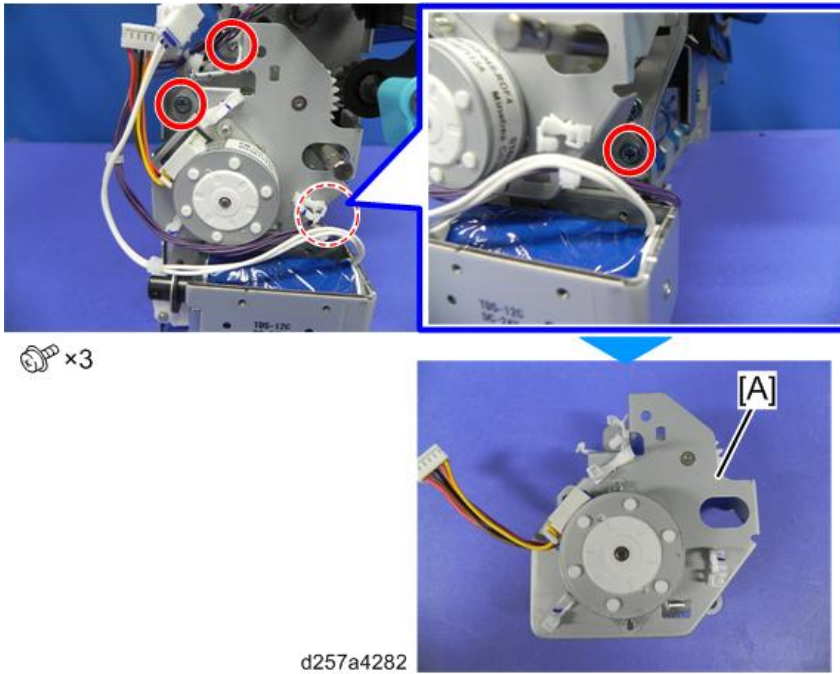
1. Remove the paper exit unit. ([Paper Exit Unit](#))

4.Replacement and Adjustment

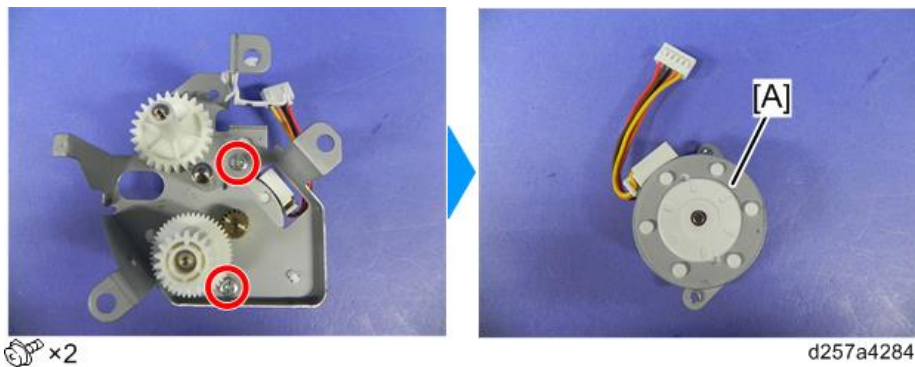
2. Before removing the inverter junction gate motor [A] along with the bracket, remove the joint [B] and connectors.



3. Remove the inverter junction gate motor [A] along with the bracket.

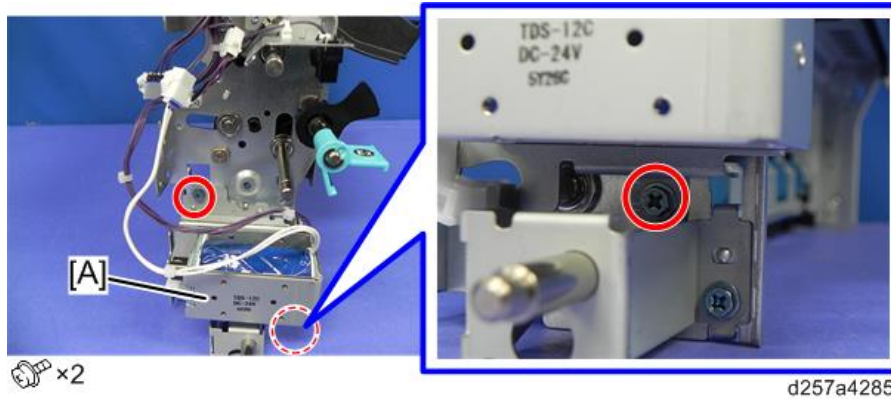


4. Remove the gear [A].
5. Remove the inverter junction gate motor [A] from the bracket.

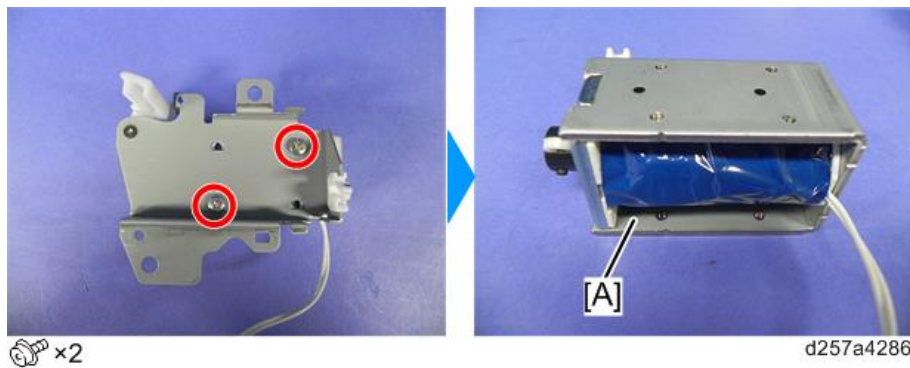


Duplex Inverter Solenoid

1. Remove the inverter junction gate motor. ([Inverter Junction Gate Motor](#))
2. Remove the duplex inverter solenoid [A] along with the bracket.

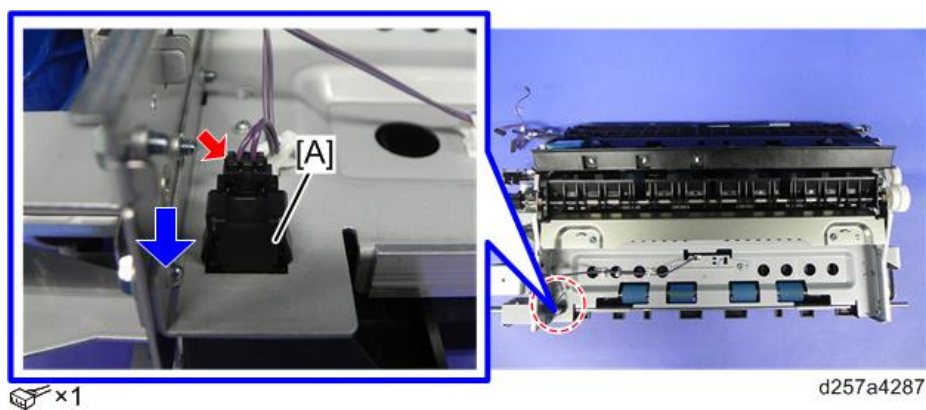


3. Remove the duplex inverter solenoid [A] from the bracket.



Paper Exit Left Guide Plate Sensor

1. Remove the paper exit unit. ([Paper Exit Unit](#))
2. Remove the paper exit left guide plate sensor [A].

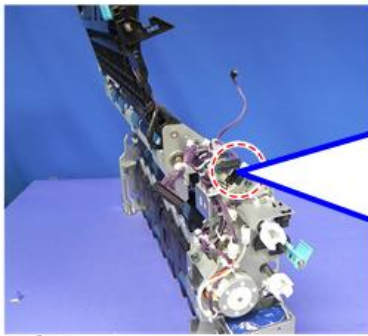


Paper Exit Upper Guide Plate Sensor

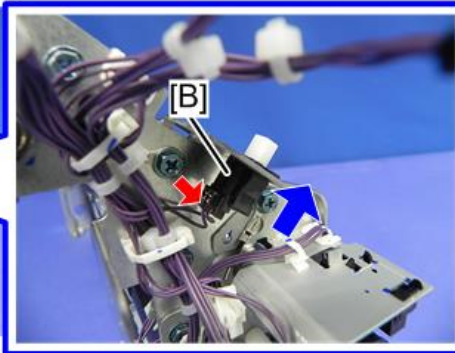
1. Remove the paper exit unit. ([Paper Exit Unit](#))

4.Replacement and Adjustment

2. Open the paper exit upper guide plate [A] and remove the paper exit upper guide plate sensor [B].



 ×1

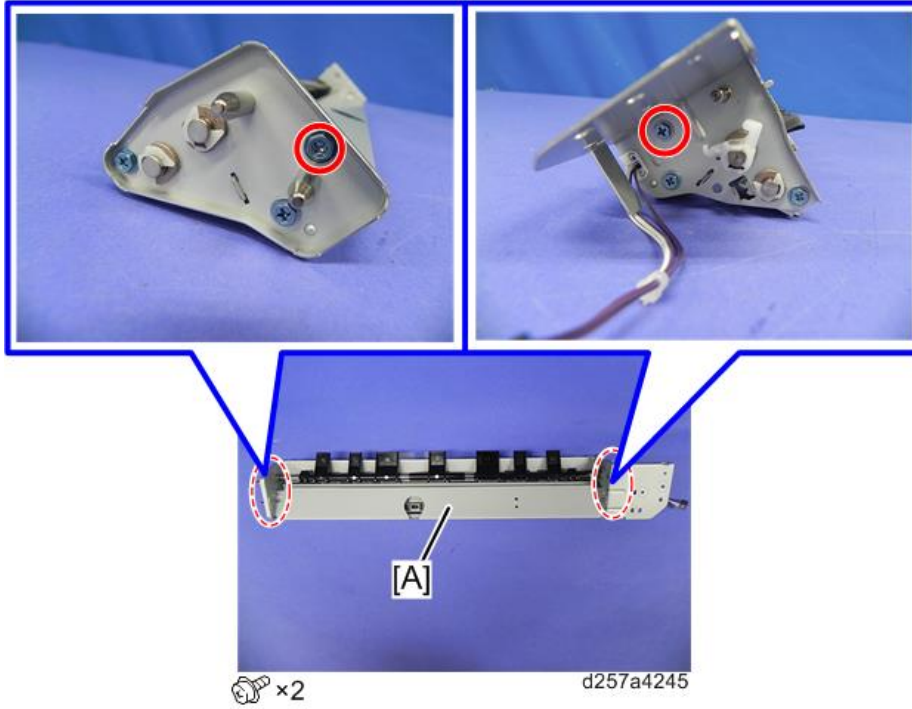


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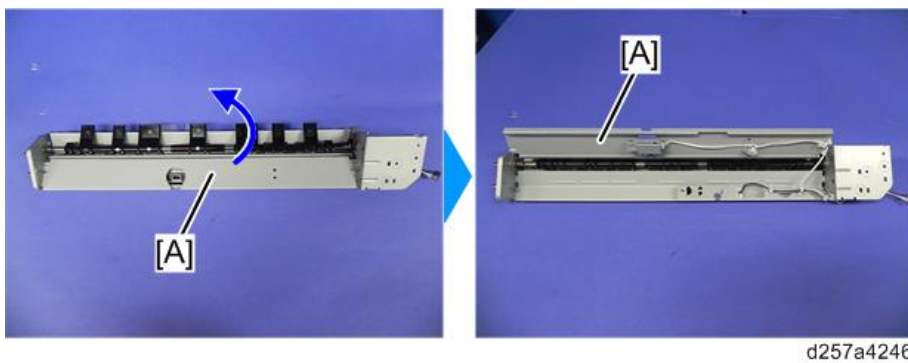
Duplex Unit

Purge Relay Sensor, Duplex Invert Sensor

1. Remove the paper purge unit. ([Paper Purge Unit](#))
2. Remove the duplex invert solenoid. ([Duplex Invert Solenoid](#))
3. Remove the fixing screws of the guide plate [A].

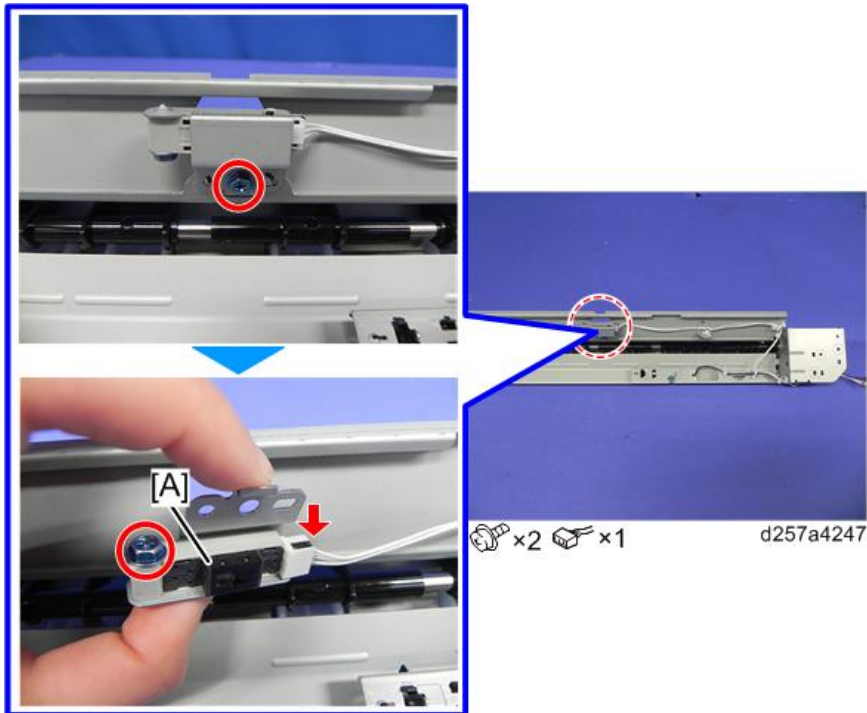


4. Open the guide plate [A].

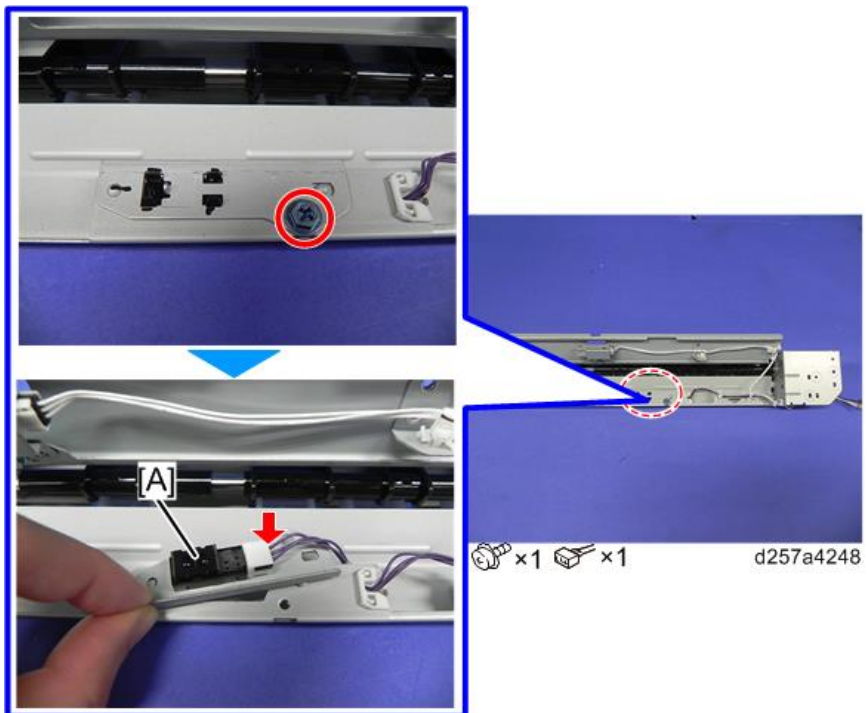


4.Replacement and Adjustment

5. Remove the purge relay sensor [A] along with the bracket.



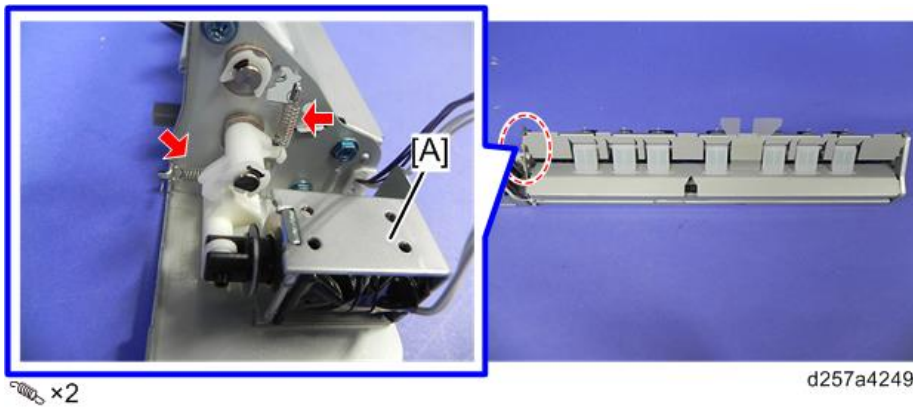
6. Remove the duplex invert sensor [A] along with the bracket.



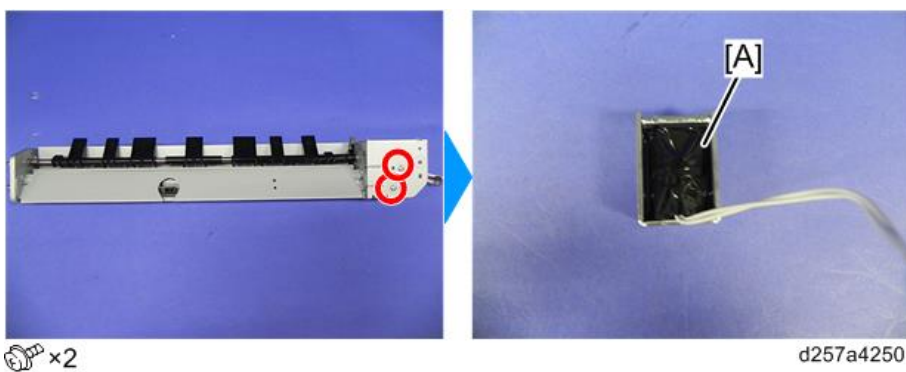
Duplex Invert Solenoid

1. Remove the paper purge unit. (Paper Purge Unit)

2. Remove the springs of the duplex invert solenoid [A].

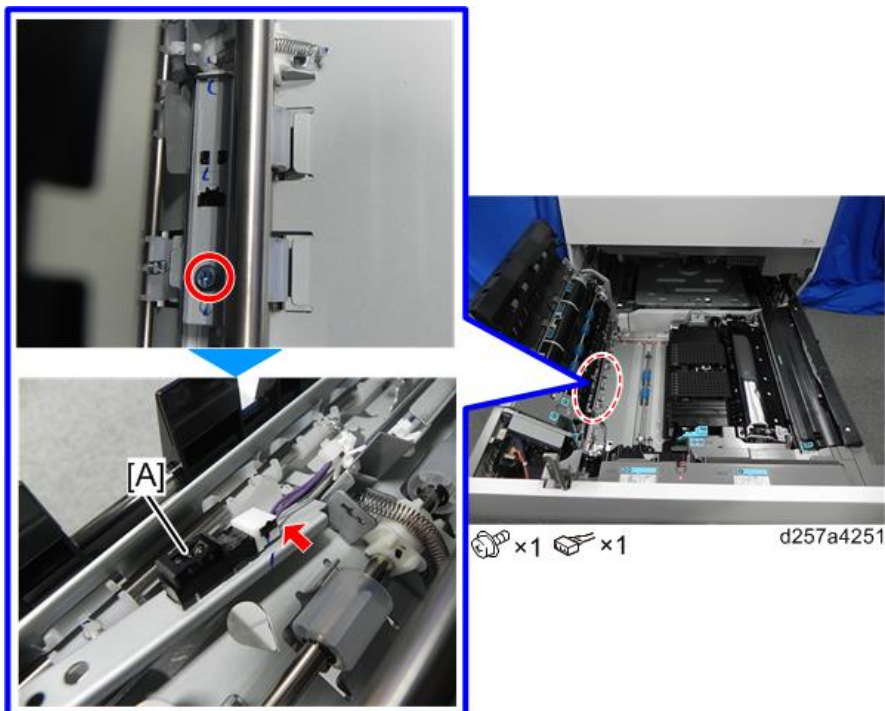


3. Remove the duplex invert solenoid [A].



Duplex Unit Entrance Sensor

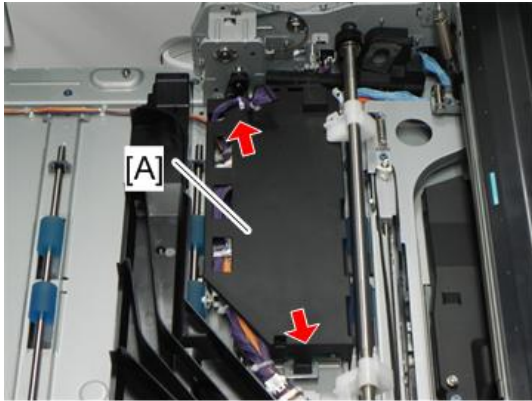
1. Remove the paper exit unit. (Paper Exit Unit)
2. Remove the duplex unit entrance sensor [A].



4.Replacement and Adjustment

Duplex Unit Sensor 3

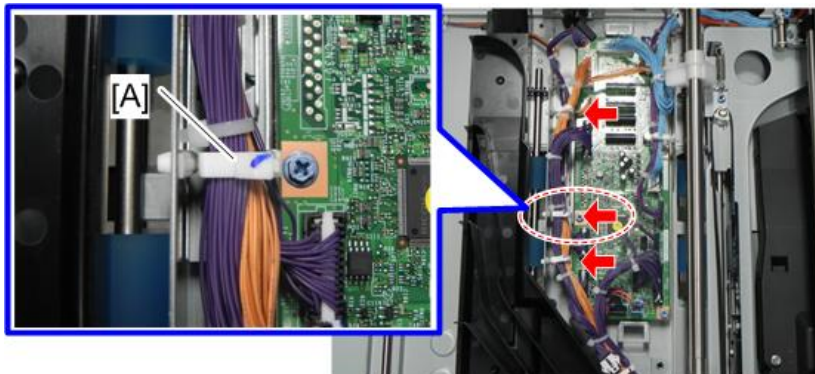
1. Remove the fusing unit. ([Removing the Fusing Unit](#))
2. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))
3. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
4. Remove the hooks and remove the DUB cover [A].



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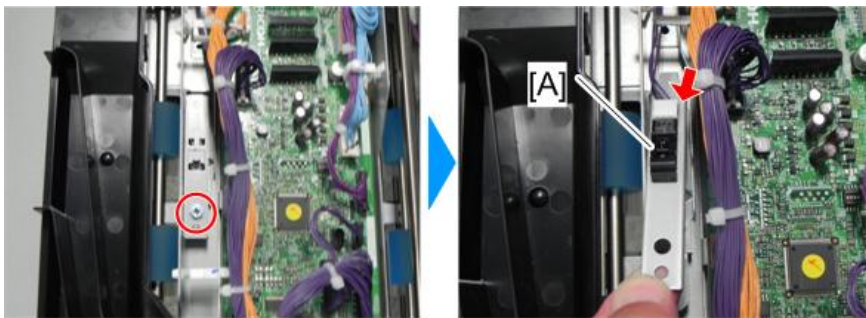
5. Remove the harness clamp. Remove the clamp [A] from the plate.



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6. Remove the duplex unit sensor 3 [A].



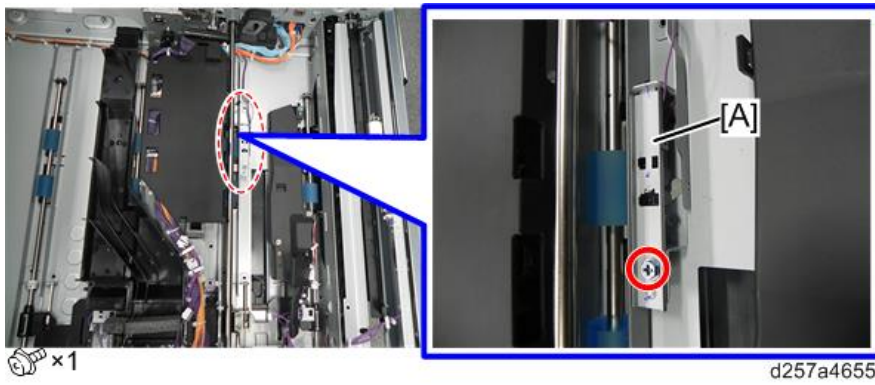
🔧×1 🗝️×1

d257a3362

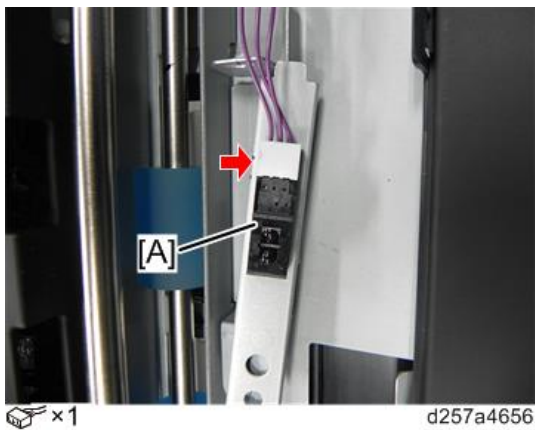
Duplex Unit Sensor 4

1. Remove the edge detection unit. ([Edge Detection Unit](#))

- 2.** Remove the bracket [A].

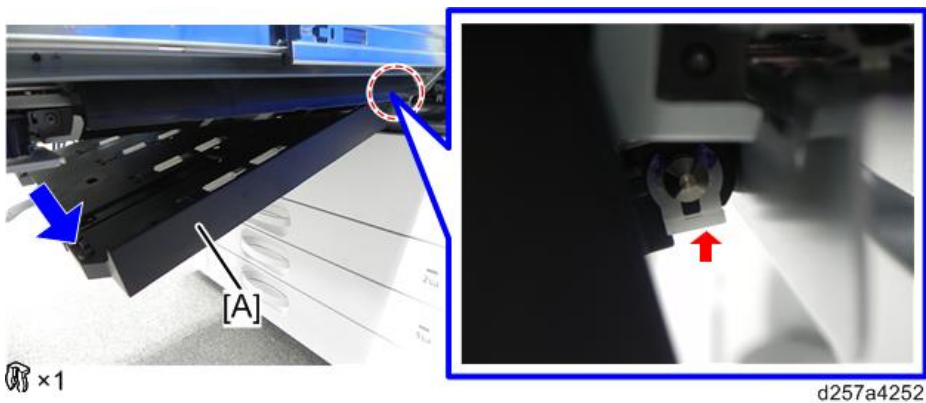


- 3.** Remove the duplex unit sensor 4 [A].



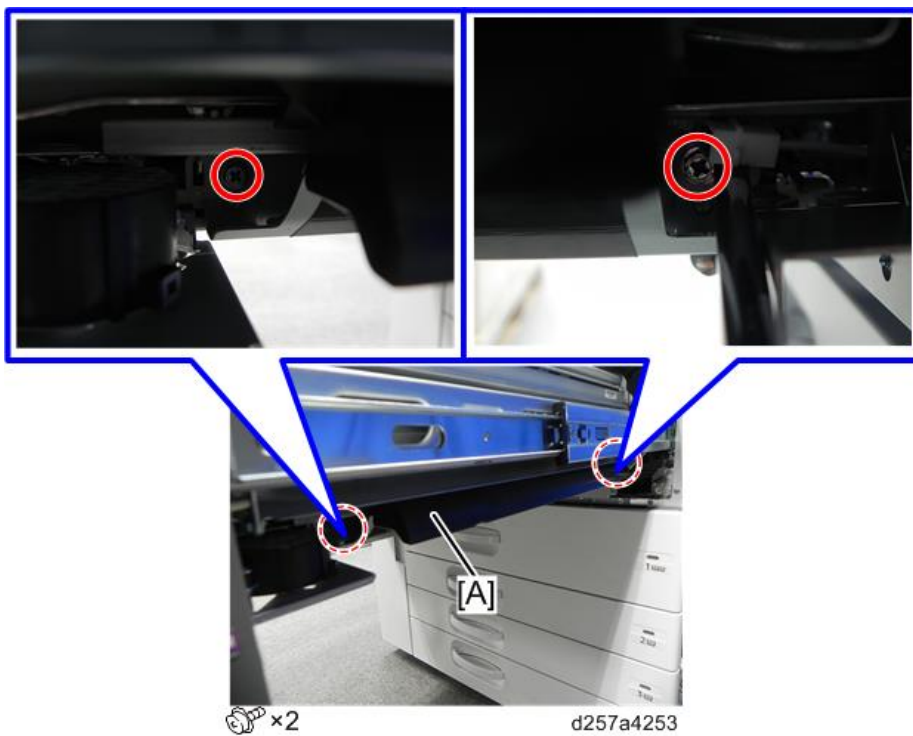
Duplex Exit Sensor

- 1.** Open the drawer unit.
2. Remove the horizontal feed guide plate [A].

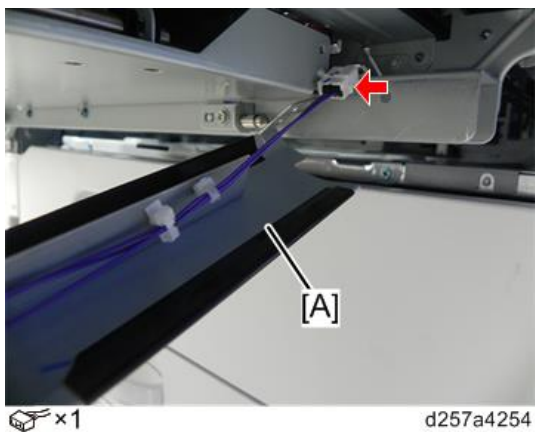


4.Replacement and Adjustment

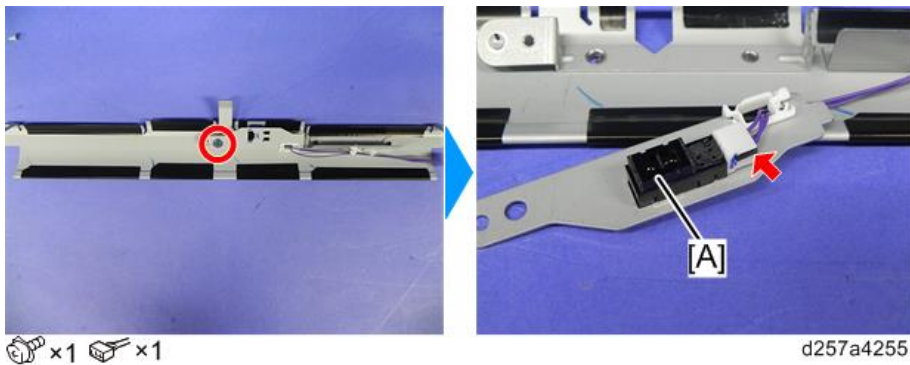
3. Remove the fixing screws of the bracket [A].



4. Remove the bracket [A].



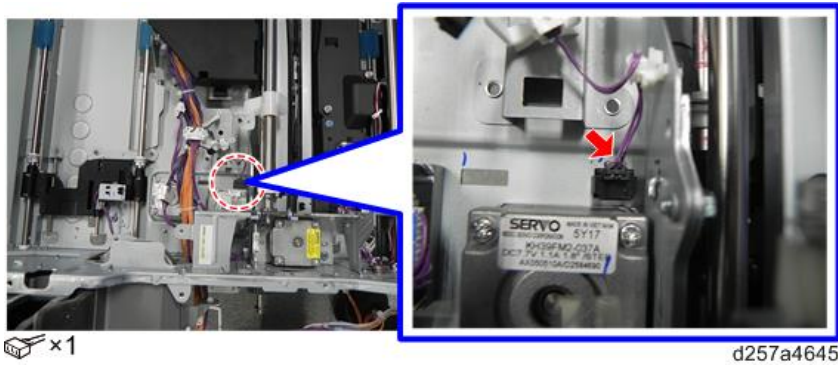
5. Remove the duplex exit sensor [A].



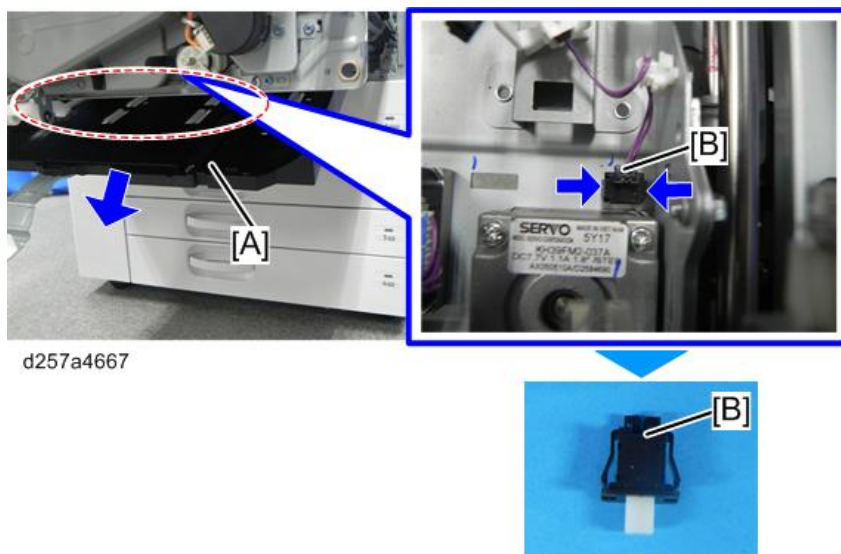
Horizontal Feed Guide Plate Open Sensor

1. Remove the cover of the duplex transport shift motor 2. (Duplex Transport Shift Motor 1)

2. Disconnect the connector of the horizontal feed guide plate open sensor.



3. Open the horizontal feed guide plate [A], press the positions in the photo below, and remove the horizontal feed guide plate open sensor [B].

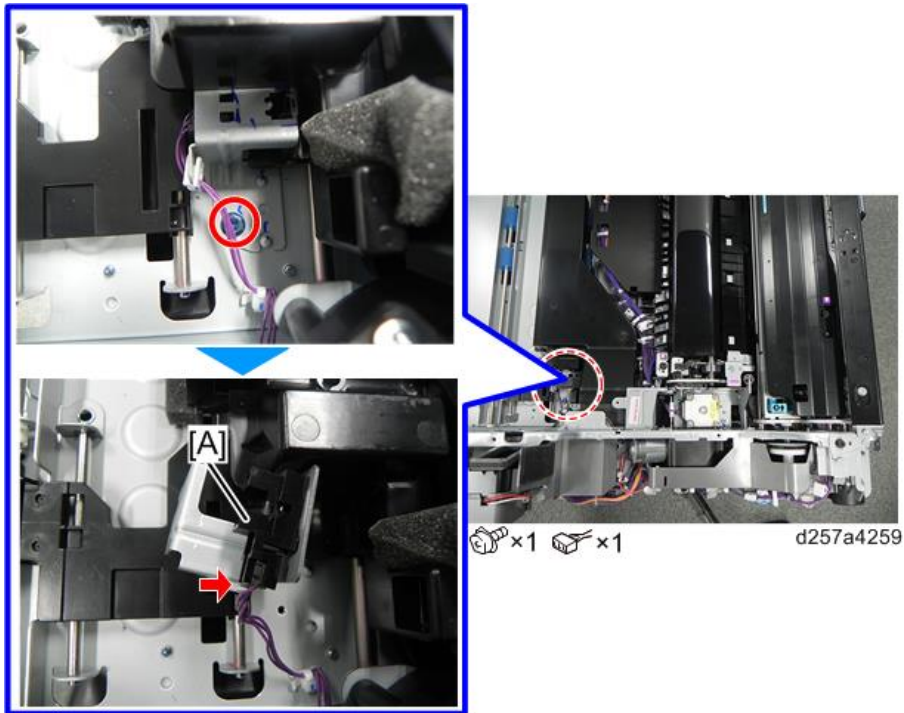


Duplex Transport Home Position Sensor 1

1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))

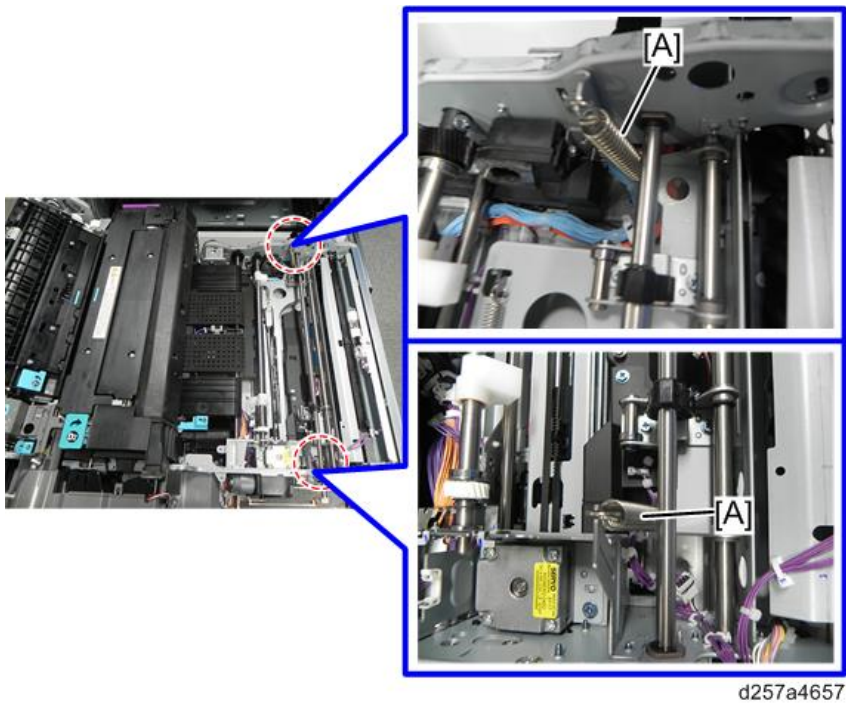
4.Replacement and Adjustment

2. Remove the duplex transport home position sensor 1 [A].

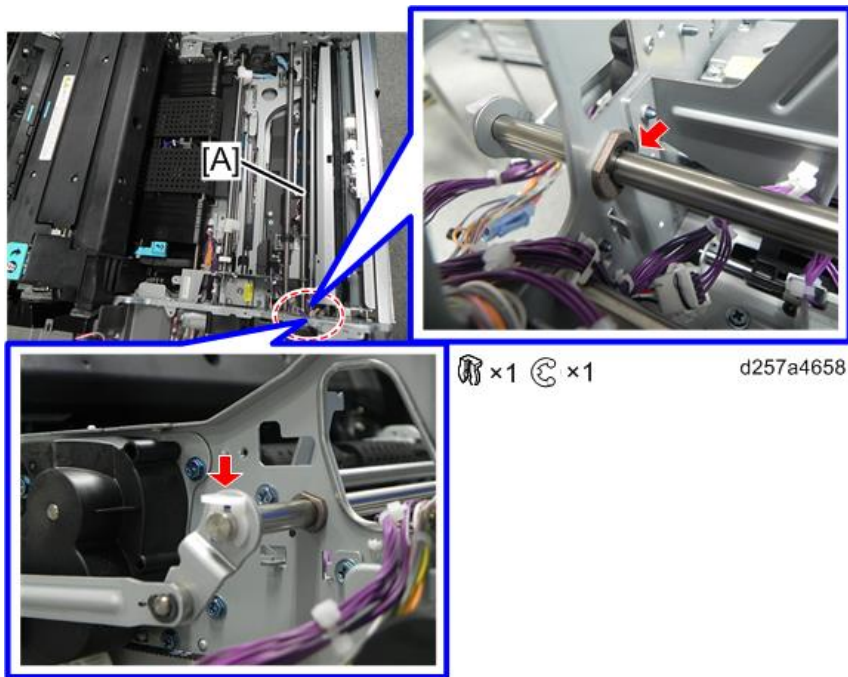


Duplex Transport Home Position Sensor 2

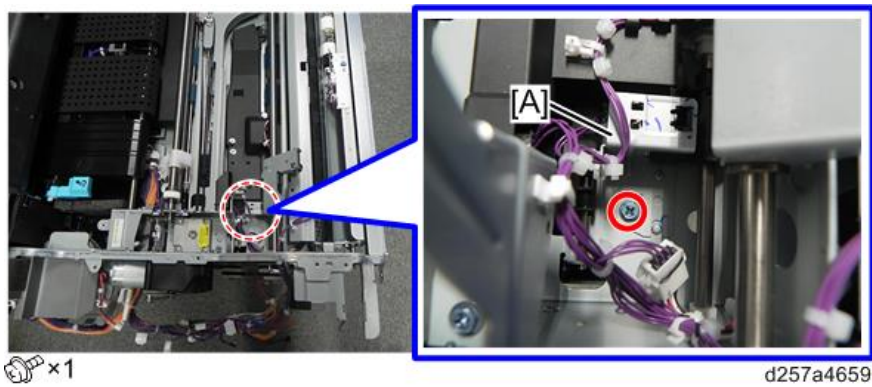
1. Remove the registration unit. (Registration Unit)
2. Remove the paper transfer belt unit. (Paper Transfer Belt Unit)
3. Remove the spring [A].



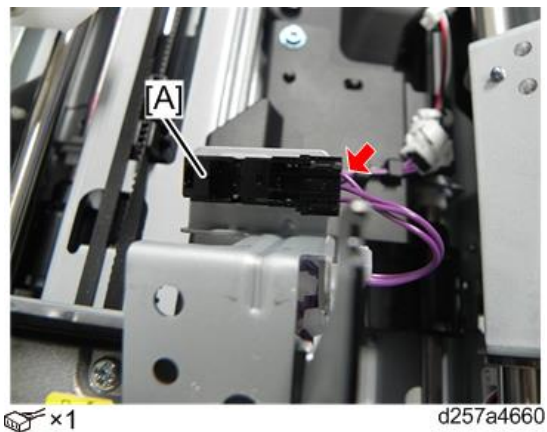
4. Remove the shaft [A].



5. Remove the bracket [A].



6. Remove the duplex transport home position sensor 2 [A].



Note

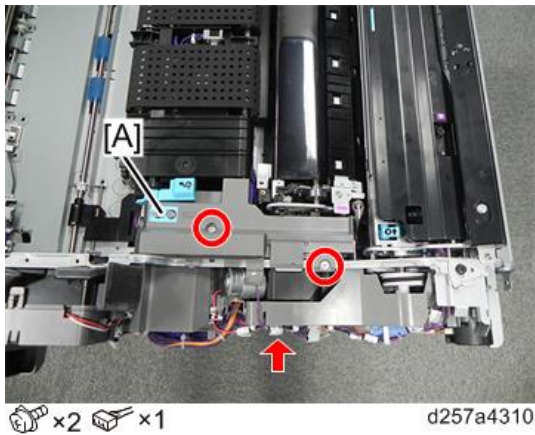
- Duplex transport home position sensor 2 and sensor shift home position switch are in close proximity. When you connect a harness to the duplex transport home position sensor 2 or sensor shift home position switch after the replacement, be careful not to connect the harness to the incorrect sensor. If you

4.Replacement and Adjustment

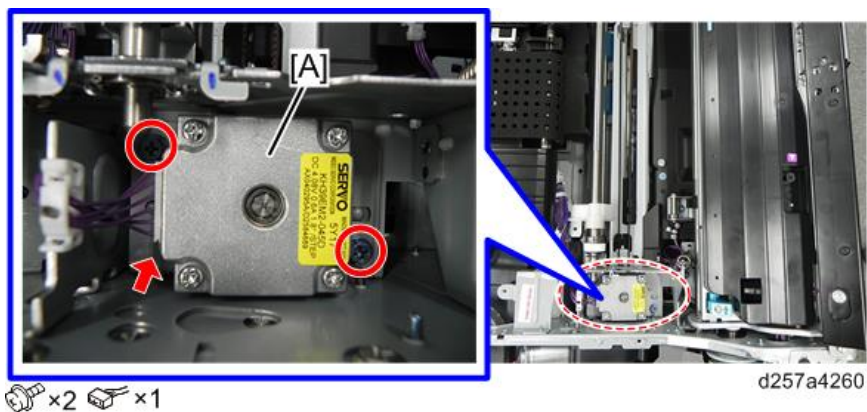
connect the harness to the incorrect sensor, SC515-02 occurs when duplex copying. The SC does not occur when turning on the machine or when making one-sided copies.

Edge Detection Sensor Shift Motor

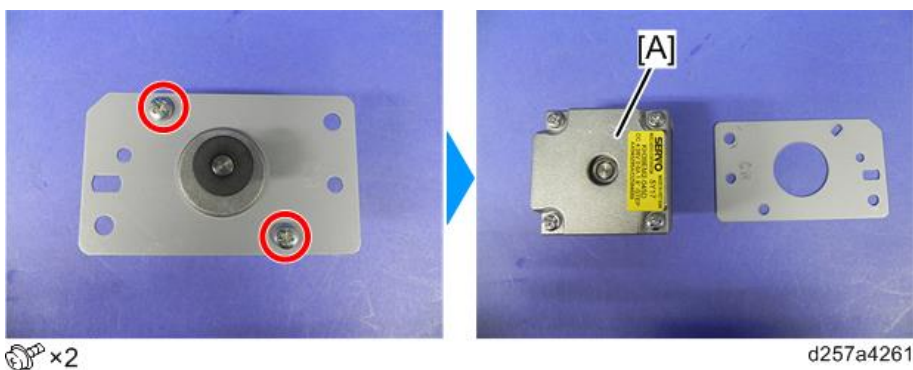
1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the cover [A].



3. Remove the paper transfer belt unit. ([Paper Transfer Belt Unit](#))
4. Remove the edge detection sensor shift motor [A] along with the bracket.

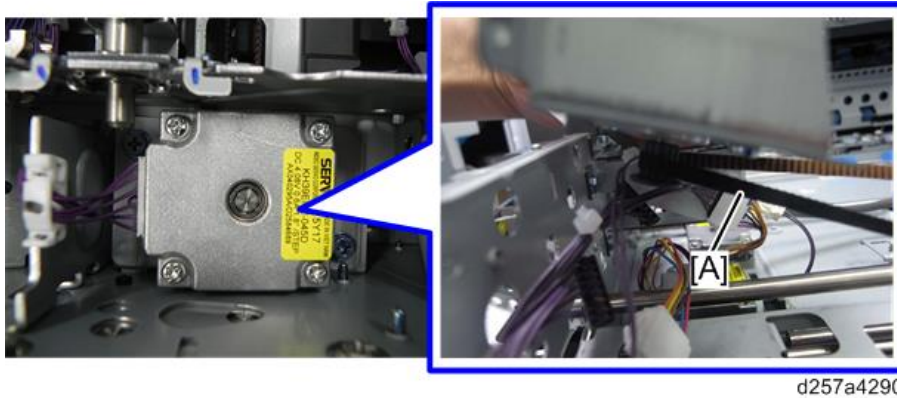


5. Remove the edge detection sensor shift motor [A].



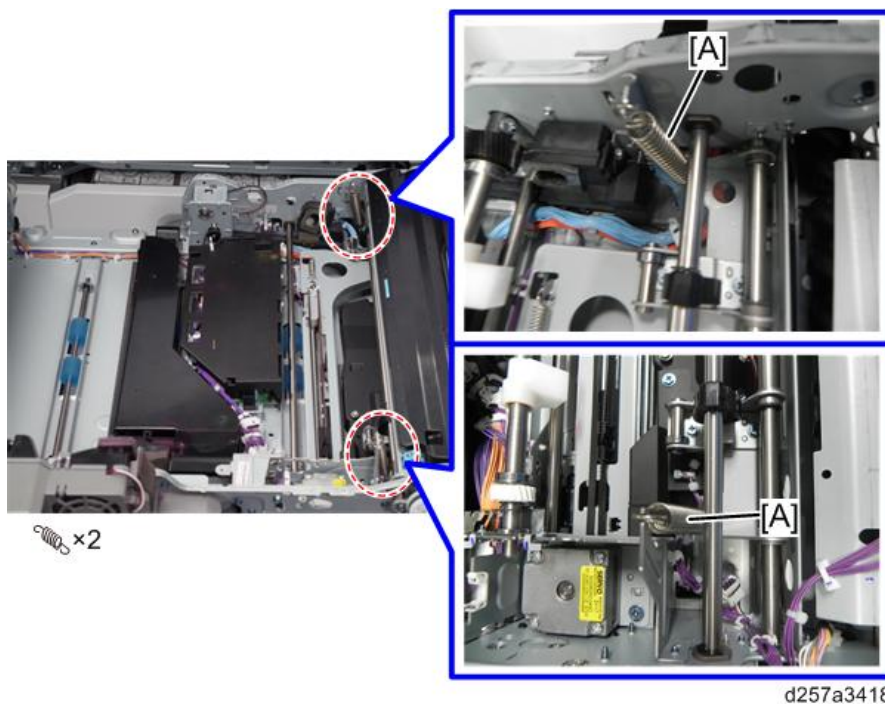
Note

- When installing the motor, attach the timing belt [A] at the edge detection unit.



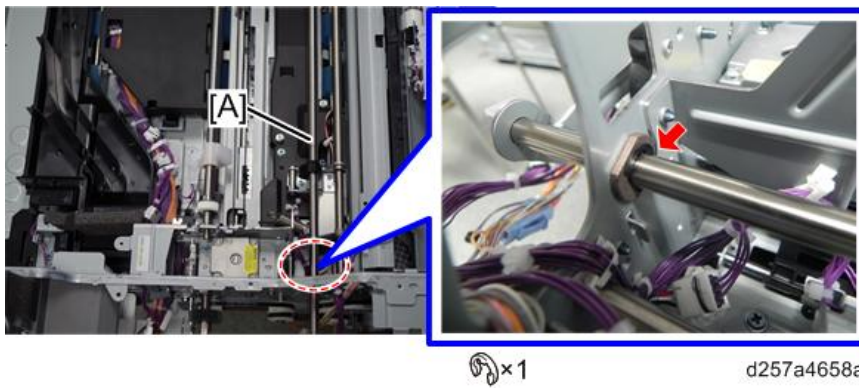
Edge Detection Unit

1. Remove the paper transport belt unit. (Paper Transport Belt Unit)
2. Remove the paper transfer belt unit. (Paper Transfer Belt Unit)
3. Remove the registration unit. (Registration Unit)
4. Remove the drawer unit lock motor. (Drawer Unit Lock Motor)
5. Remove the springs [A].

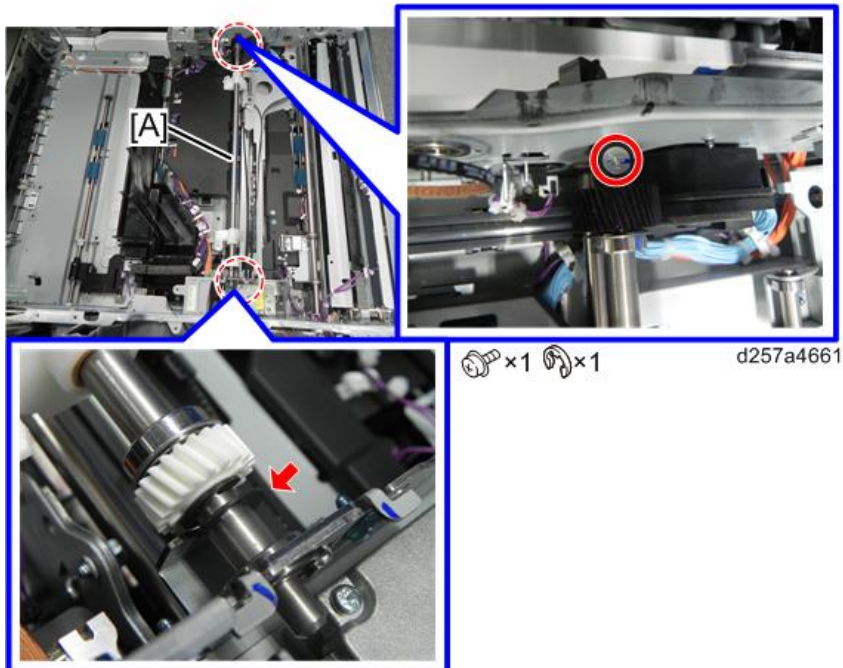


4.Replacement and Adjustment

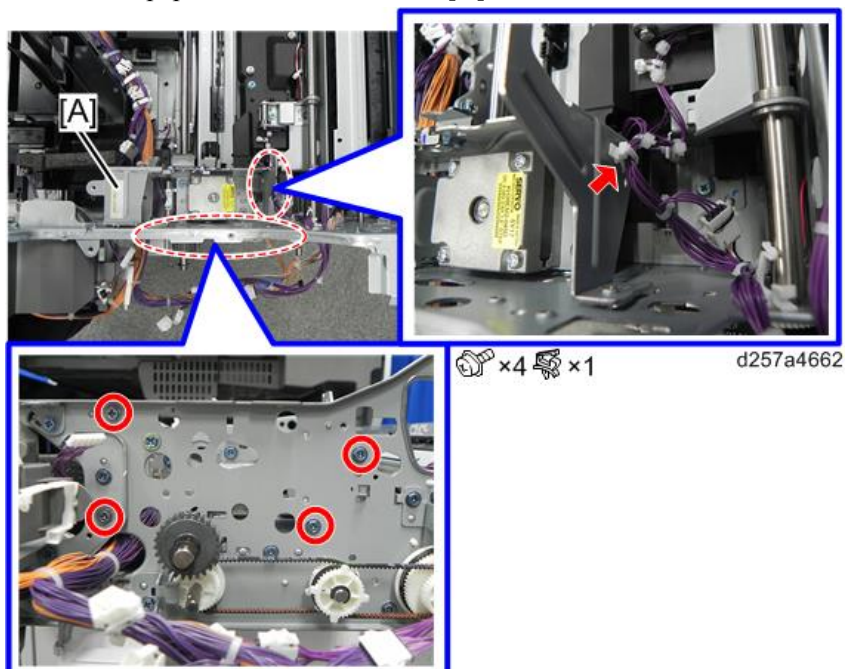
6. Remove the shaft [A].



7. Remove the paper transfer belt motor shaft [A].



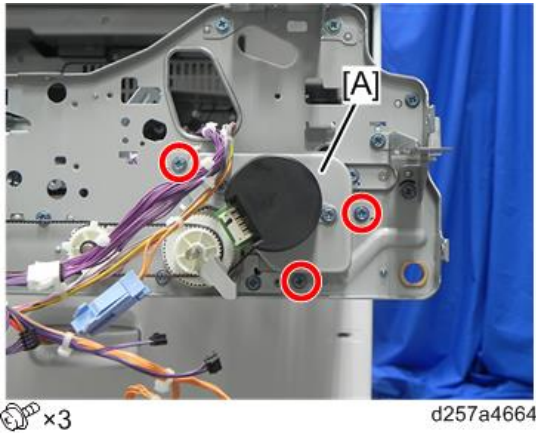
8. Remove the paper transfer belt bracket [A].



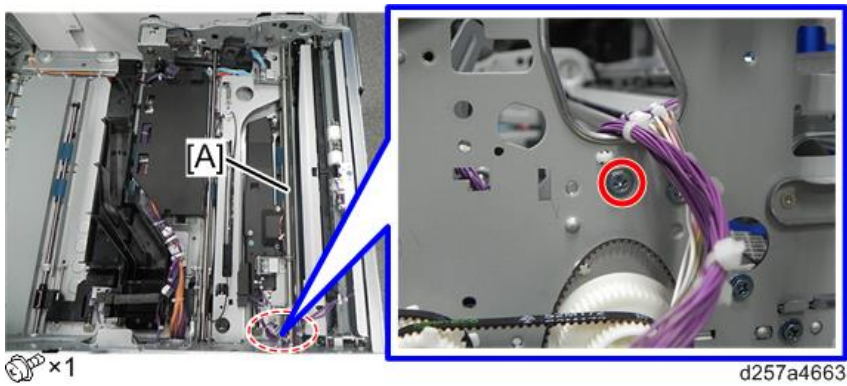
★ Important

- After replacing the paper transfer belt bracket, be sure to adjust the paper transfer belt unit.
(Adjustment of the Paper Transfer Belt Unit)

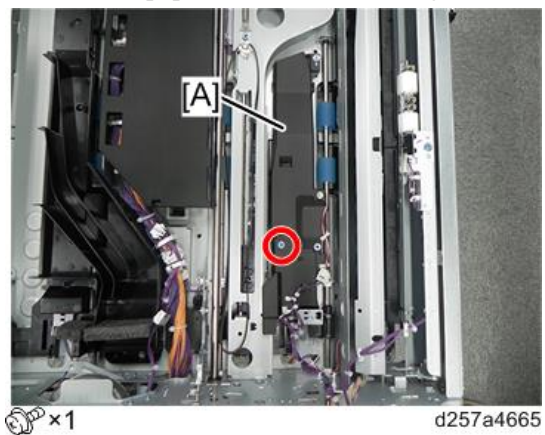
9. Remove the duplex exit motor along with the bracket [A].



10. Remove the shaft [A].

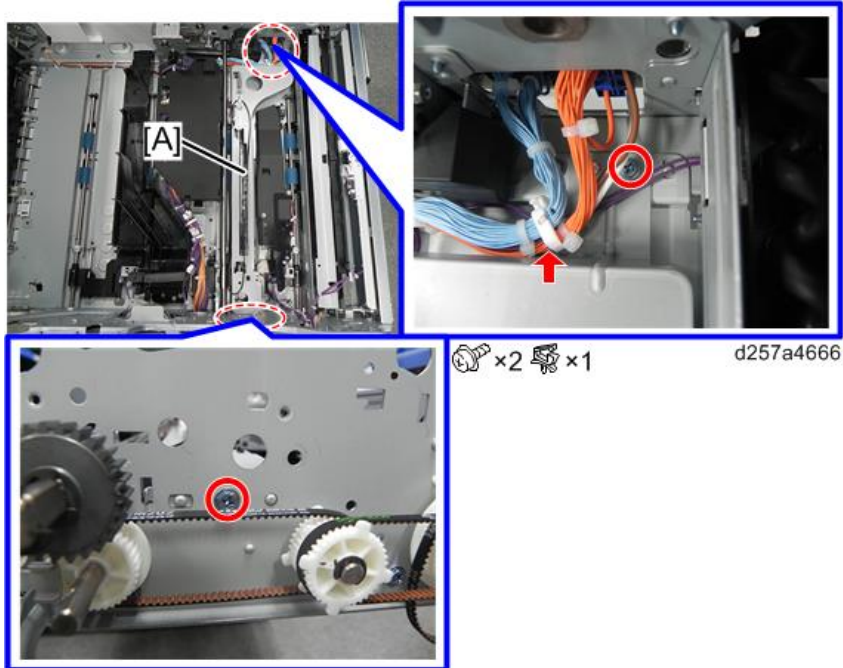


11. Remove the paper transfer belt cooling duct cover [A].

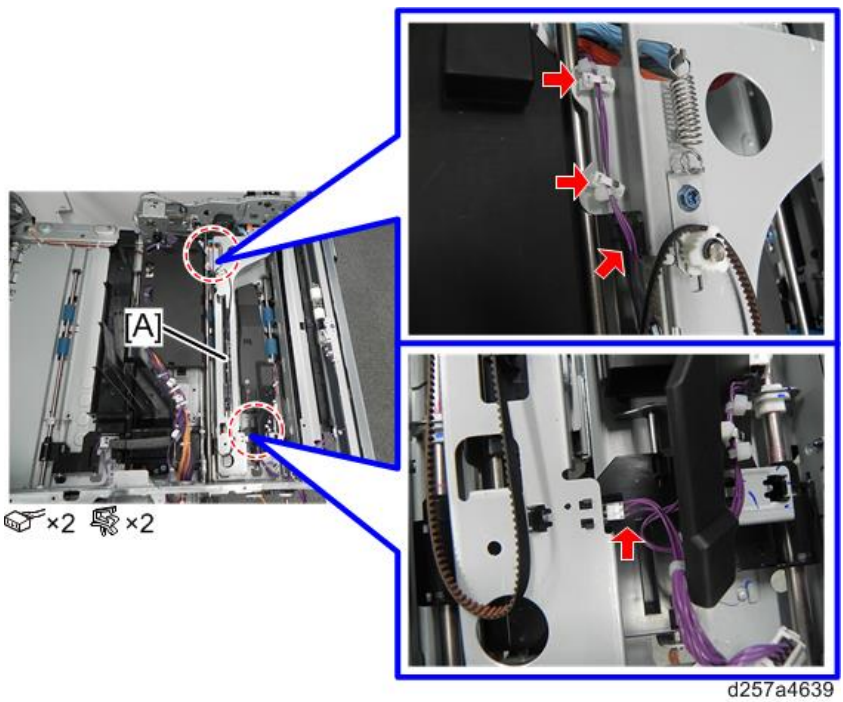


4.Replacement and Adjustment

12. Release the edge detection unit [A].



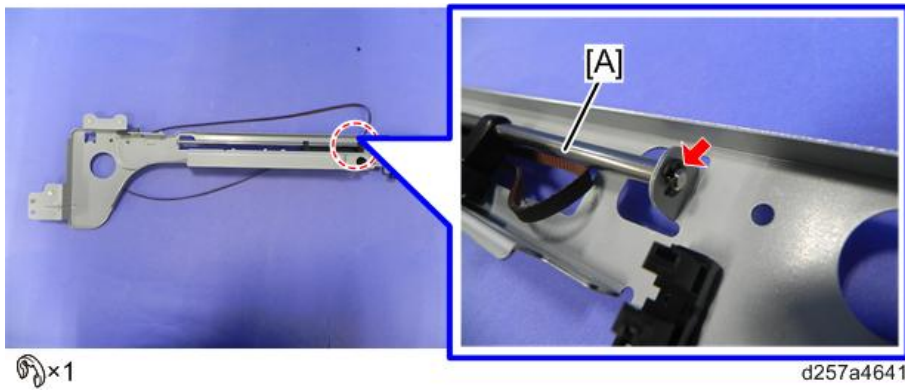
13. Remove the edge detection unit [A].



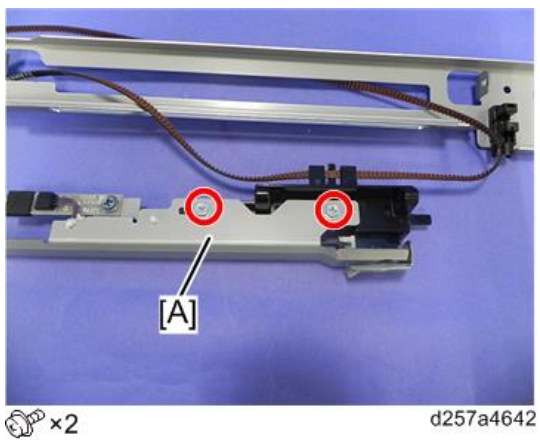
Edge Detection Sensor

1. Remove the edge detection unit. (Edge Detection Unit)

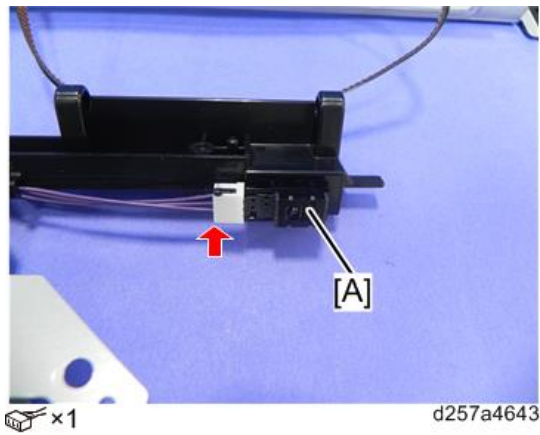
2. Remove the shaft [A].



3. Remove the bracket [A].



4. Remove the edge detection sensor [A].

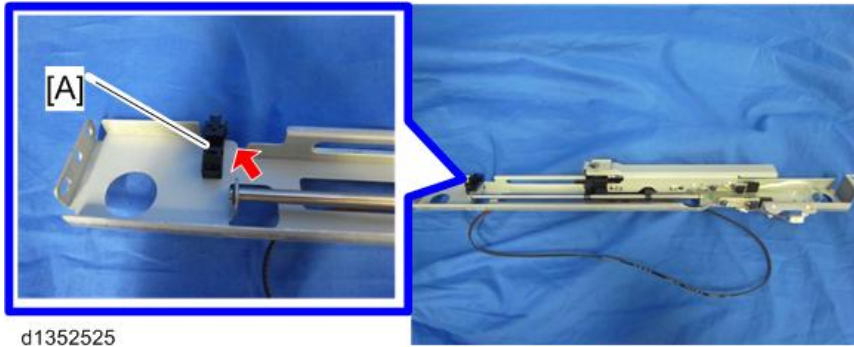


Sensor Shift Home Position Switch

1. Remove the edge detection unit. (Edge Detection Unit)

4.Replacement and Adjustment

2. Remove the sensor shift home position switch [A].

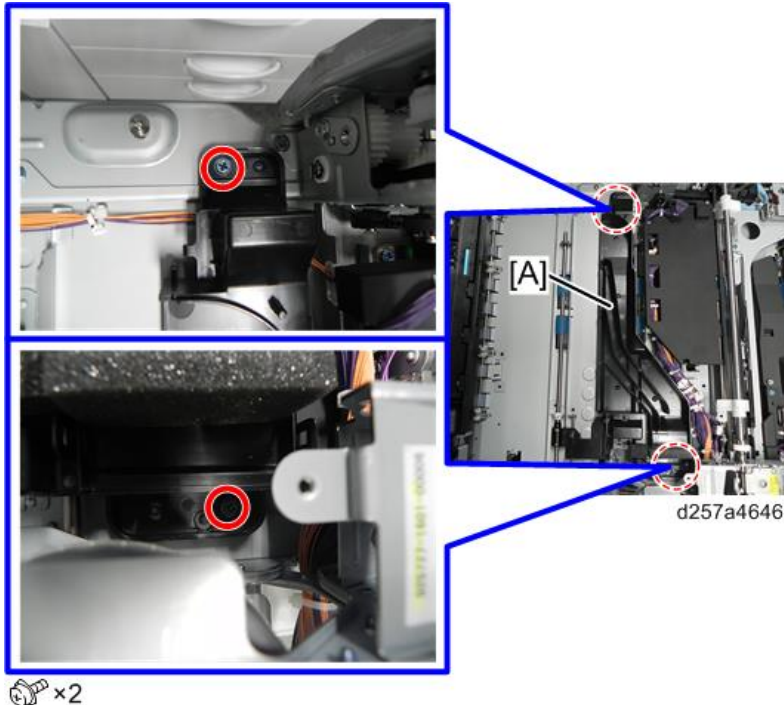


Note

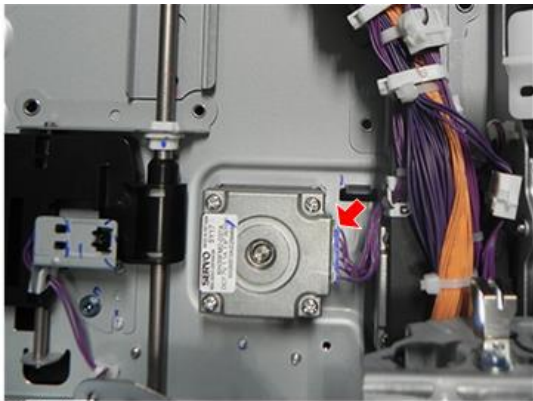
- Duplex transport home position sensor 2 and sensor shift home position switch are in close proximity. When you connect a harness to the duplex transport home position sensor 2 or sensor shift home position switch after the replacement, be careful not to connect the harness to the incorrect sensor. If you connect the harness to the incorrect sensor, SC515-02 occurs when duplex copying. The SC does not occur when turning on the machine or when making one-sided copies.

Duplex Transport Shift Motor 1

1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))
2. Remove the pressure roller duct [A].



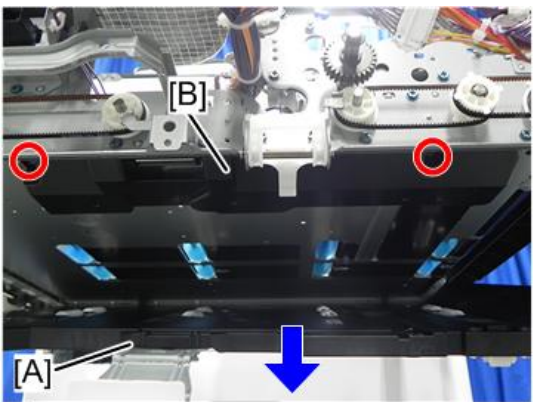
3. Disconnect the connector.



⊗ ×1

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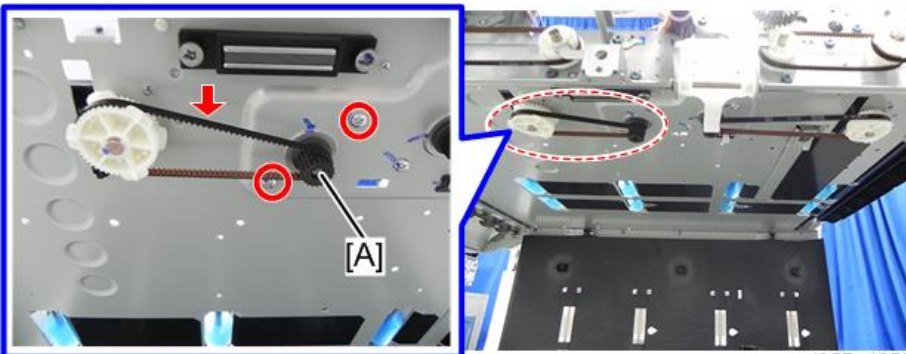
4. Open the horizontal feed guide plate [A] and remove the cover [B].



⊗ ×2

d257a4651

5. Remove the duplex transport shift motor 1 [A].



⊗ ×2 ⊗ ×1

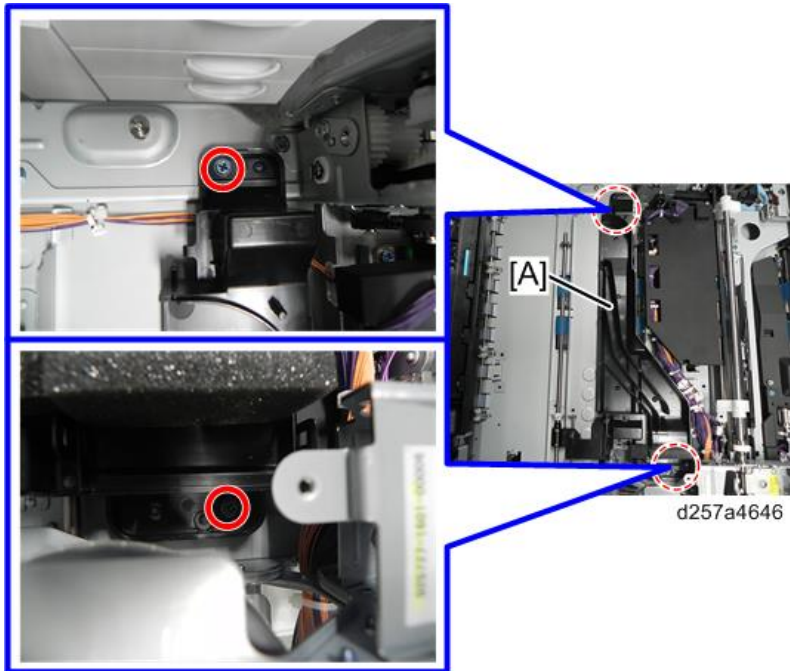
d257a4652

Duplex Transport Shift Motor 2

1. Remove the paper transport belt unit. ([Paper Transport Belt Unit](#))

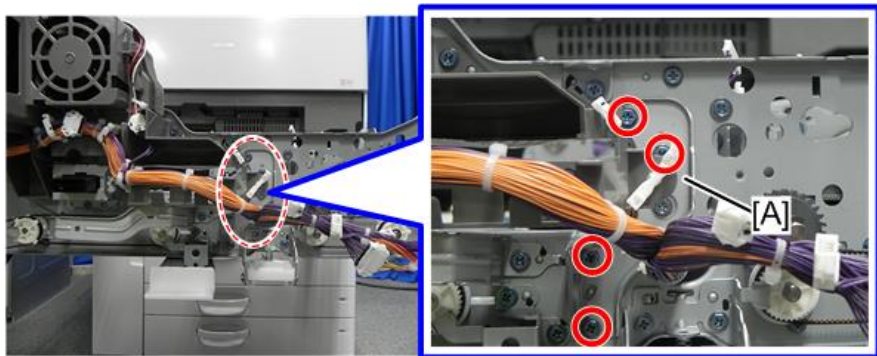
4.Replacement and Adjustment

2. Remove the pressure roller duct [A].



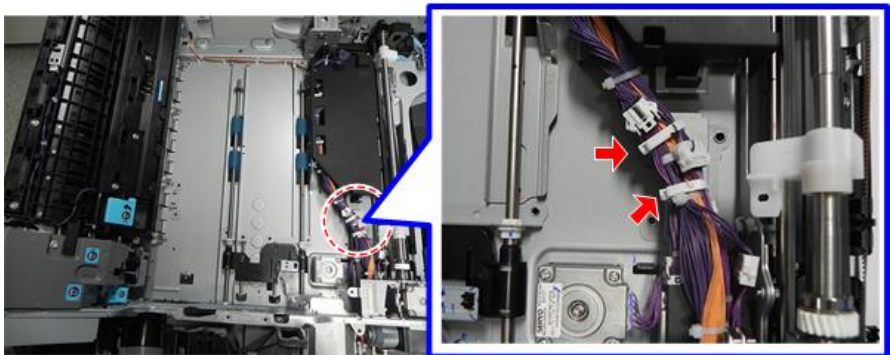
🔧 ×2

3. Remove the bracket [A].



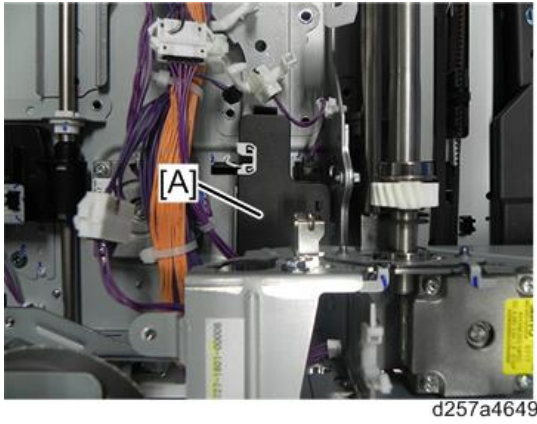
🔧 ×4

4. Release the harness clamps.

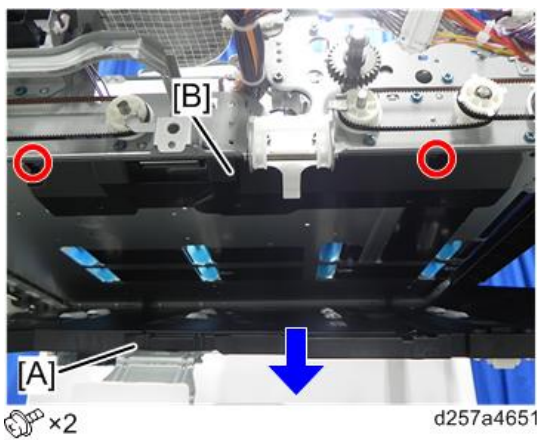


🔧 ×2

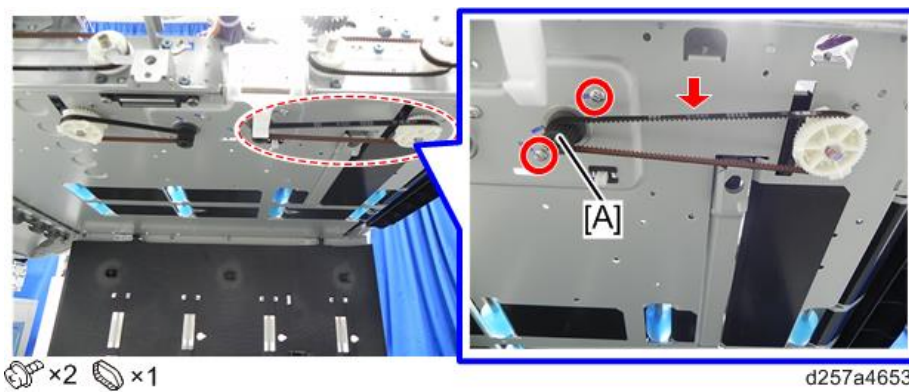
5. Remove the hook, and remove the cover [A] of the duplex transport shift motor 2.



6. Open the horizontal feed guide plate [A] and remove the cover [B].

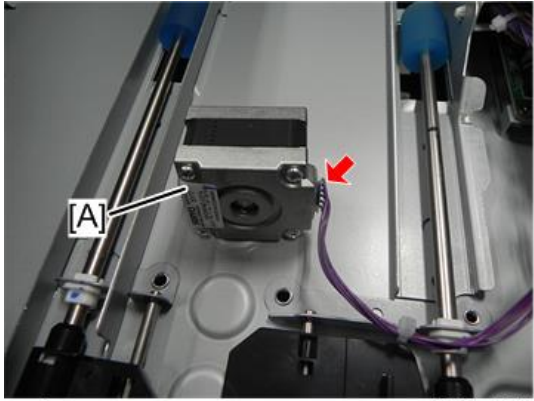


7. Remove the duplex transport shift motor 2 [A] from the bracket.



4.Replacement and Adjustment

8. Remove the duplex transport shift motor 2 [A].



 x1

d257a4654

Paper Purge Unit

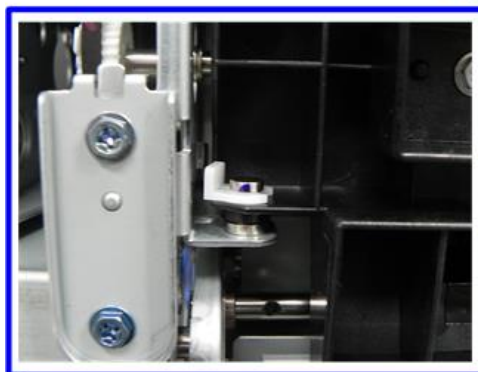
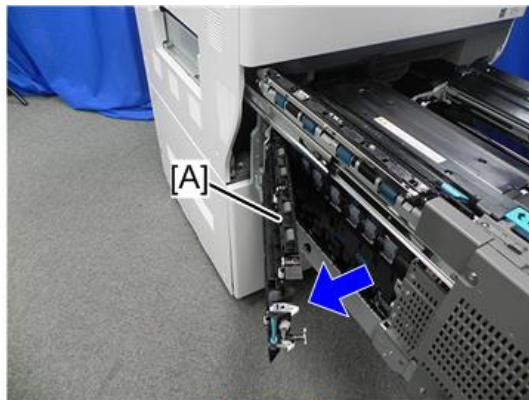
Paper Purge Unit

1. Open the drawer unit [A].

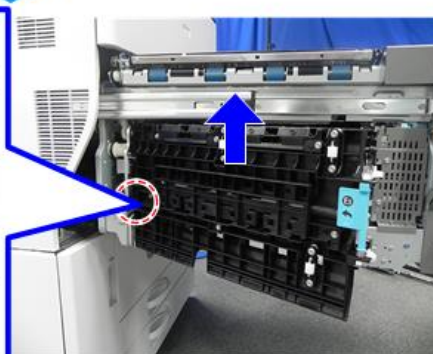


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2. Open the guide plate [A] and remove it upward.



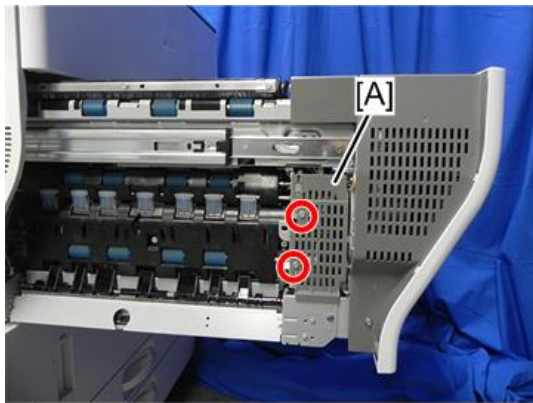
 x1



d257a4224

4.Replacement and Adjustment

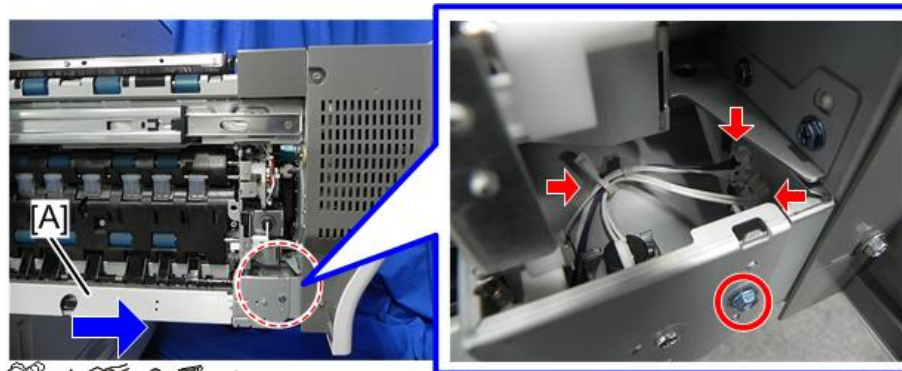
3. Remove the cover [A].



⚙️ ×2

d257a4225

4. Remove the paper purge unit [A].

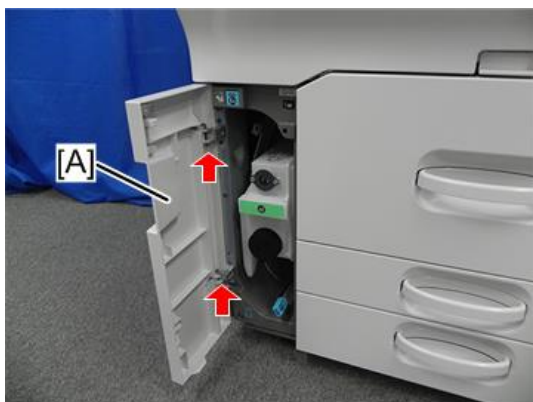


⚙️ ×1 📦 ×2 ⚙️ ×1

d257a4226

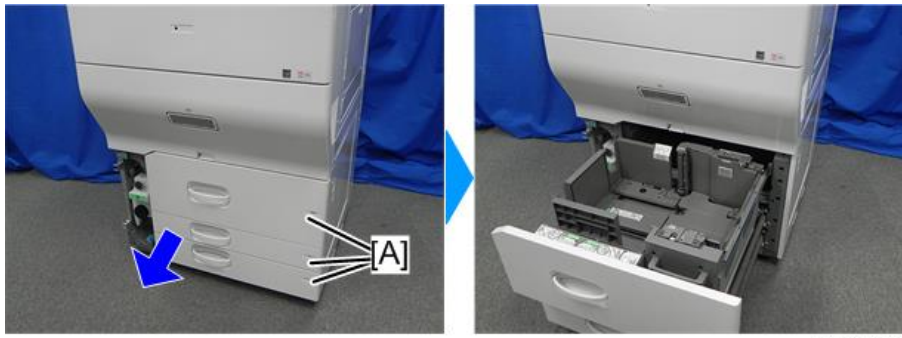
PCB: LSB

1. Remove the left lower cover of the machine exterior. (Left Lower Cover)
2. Remove the purge door [A].



d257a4244

3. Pull out the paper trays [A].



d257a4227

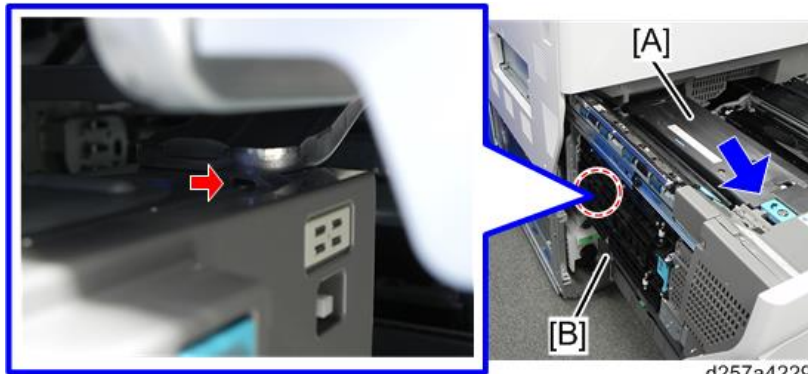
4. Remove the fixing screws of the upper inner cover [A].



d257a4228

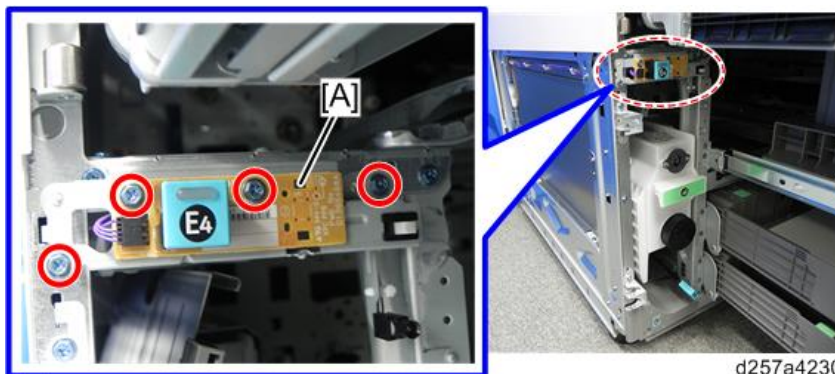
 x3

5. Pull out the drawer unit [A] and remove the upper inner cover [B].



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6. Remove the LSB [A] along with the bracket.

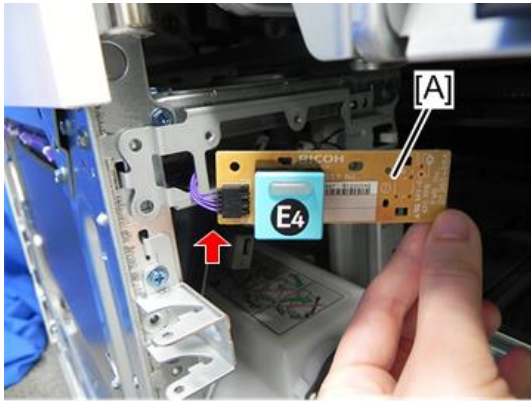


d257a4230

 x4

4.Replacement and Adjustment

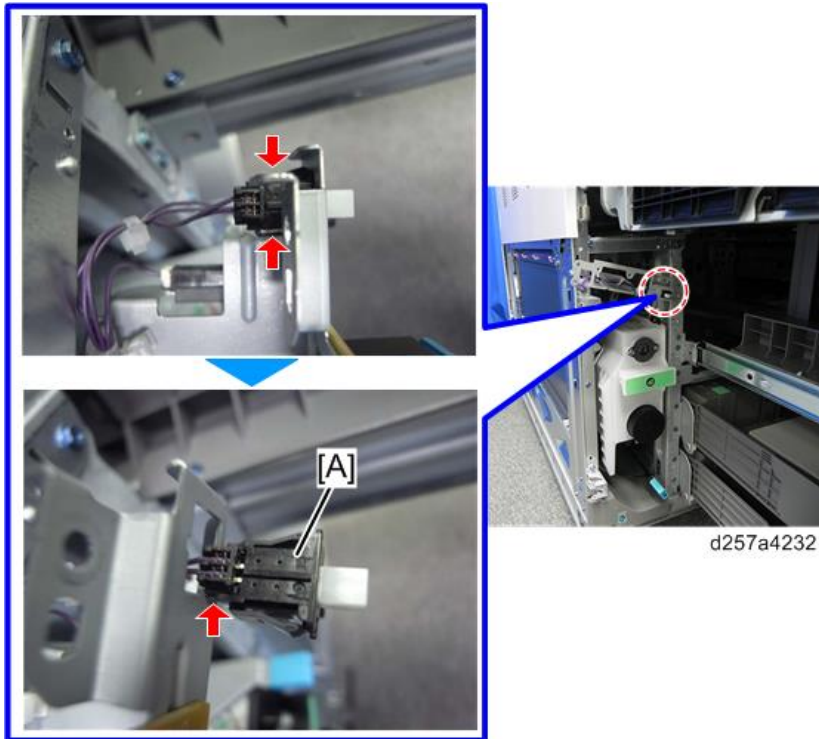
7. Remove the LSB [A].



d257a4231

Push Switch

1. Remove the LSB along with the bracket. (PCB: LSB)
2. Hold the sides of the push switch [A], and remove it by pulling.



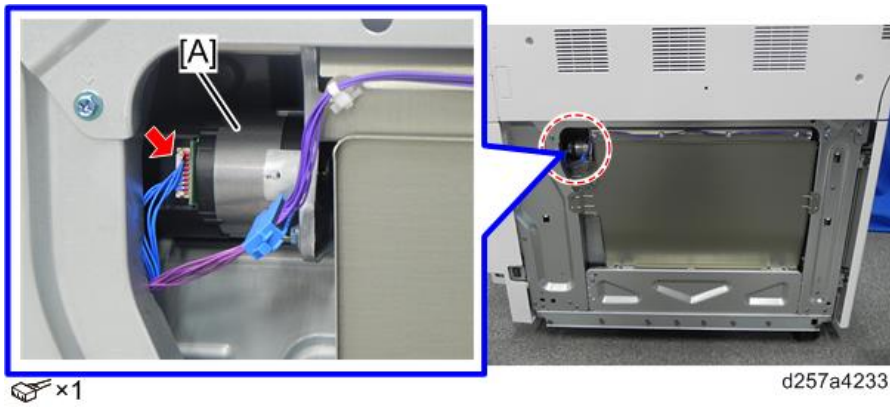
d257a4232

 x1

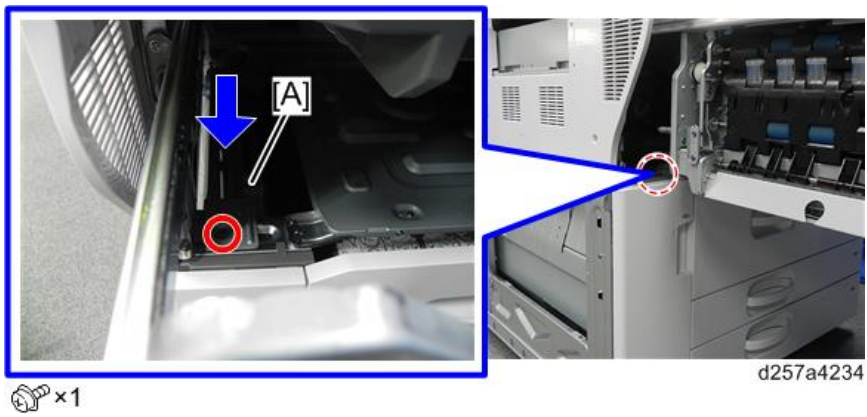
Duplex Inverter Motor

1. Remove the left lower cover of the machine exterior. (Left Lower Cover)

2. Disconnect the connector of the duplex inverter motor [A].

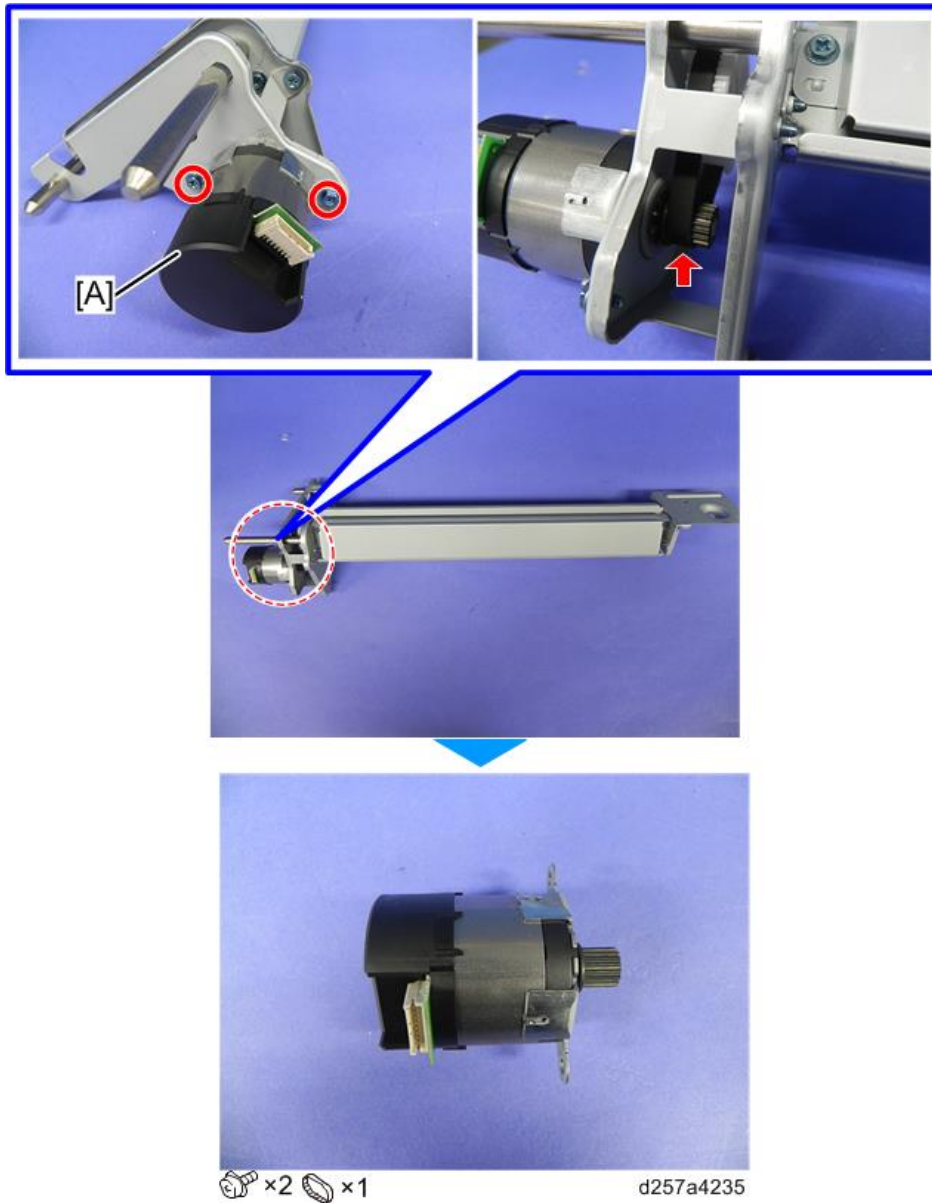


3. Pull out the drawer unit and remove the duplex inverter motor unit [A].



4.Replacement and Adjustment

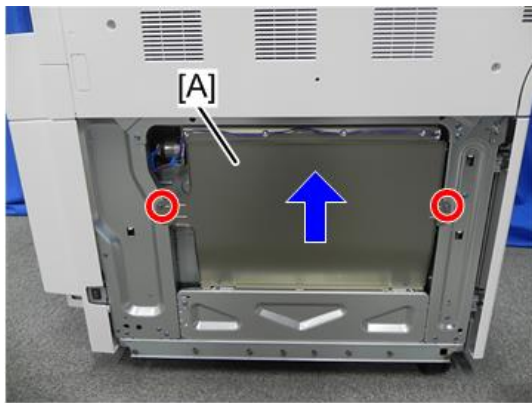
4. Remove the duplex inverter motor [A].



Purge Tray LED

1. Remove the left lower cover of the machine exterior. (Left Lower Cover)

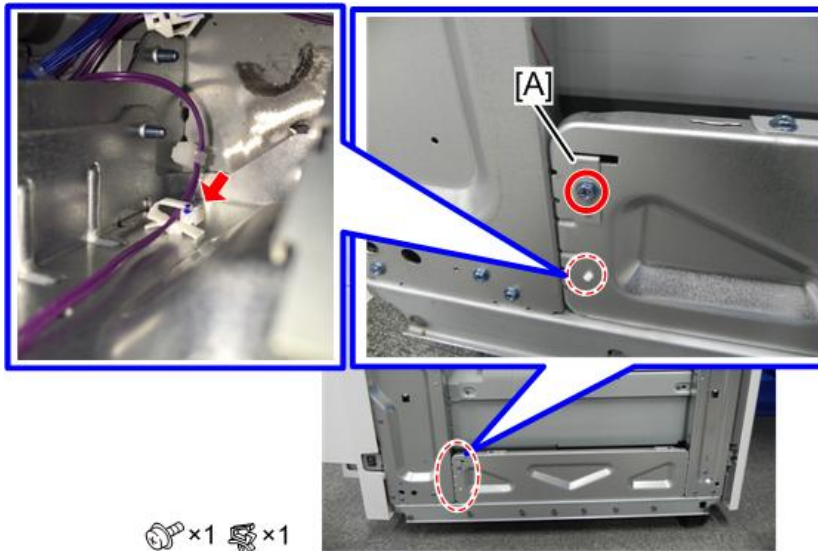
- 2.** Remove the guide plate [A].





 x2

d257a4236

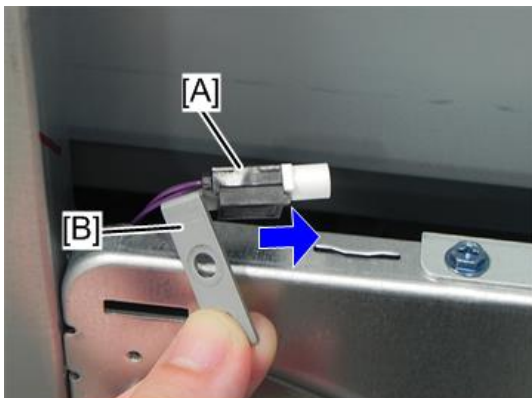
- 3.** Remove the bracket [A].



 x1  x1

d257a3396

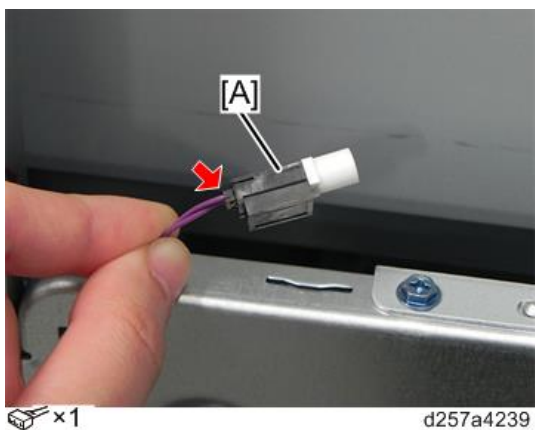
- 4.** Remove the purge tray LED [A] from the bracket [B].



d257a4238

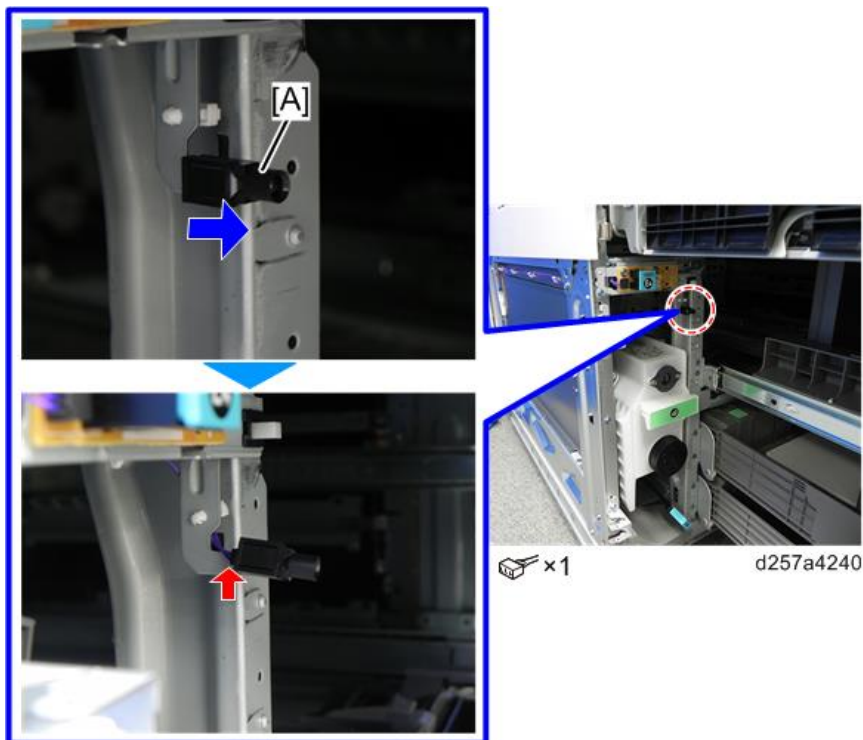
4.Replacement and Adjustment

5. Remove the purge tray LED [A].



Left Lower Door LED

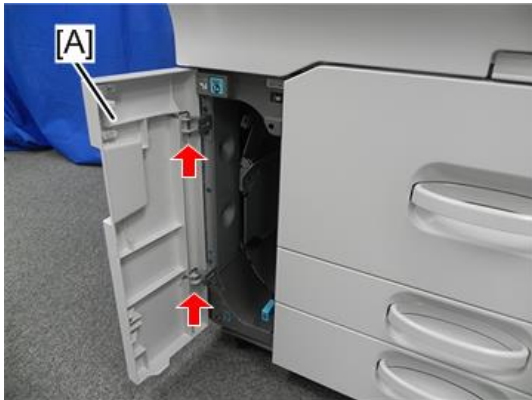
1. Remove the upper inner cover. (PCB: LSB)
2. Remove the left lower door LED [A] by pulling it.



Lower Guide Plate LED

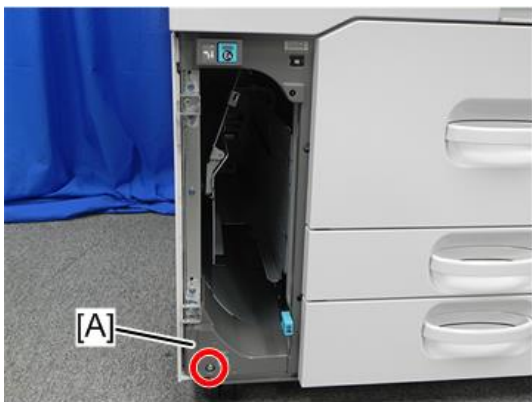
1. Remove the waste toner bottle. (Waste Toner Bottle)

2. Remove the purge door [A].



d257a4241

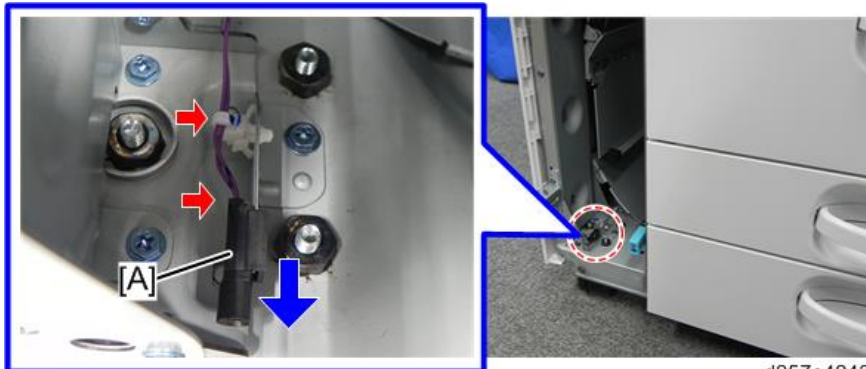
3. Remove the lower inner cover [A].



⚙️ x1

d257a4242

4. Remove the lower guide plate LED [A] by pulling it.



⚙️ x1 ⚙️ x1

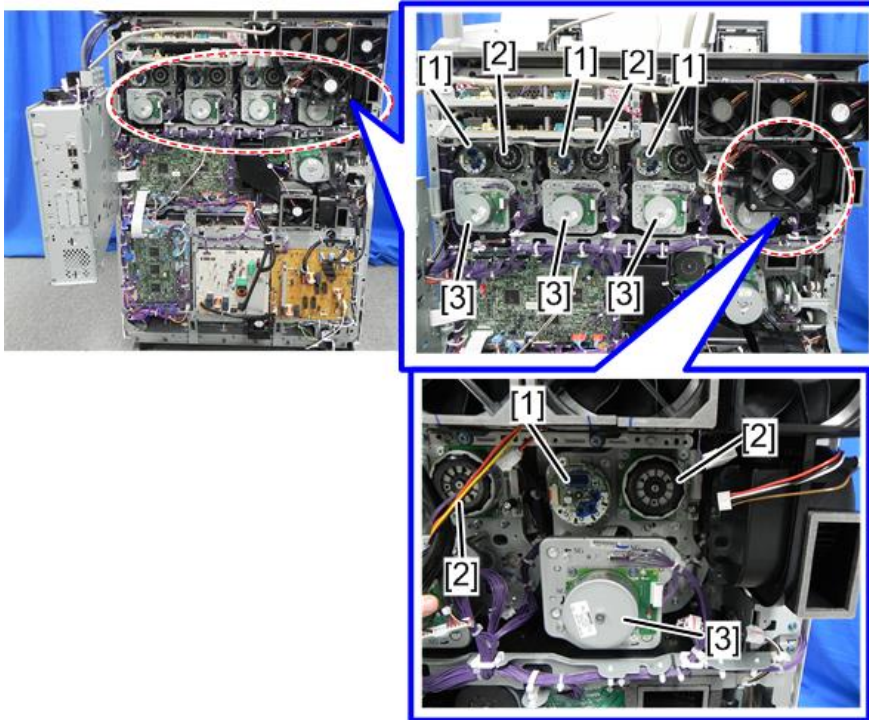
d257a4243

Drive Unit

Layout (Motors)

Rear of the Machine (Top)

To replace the motors and sensors on the back of the machine, first remove the outer cover. ([Rear Cover](#))

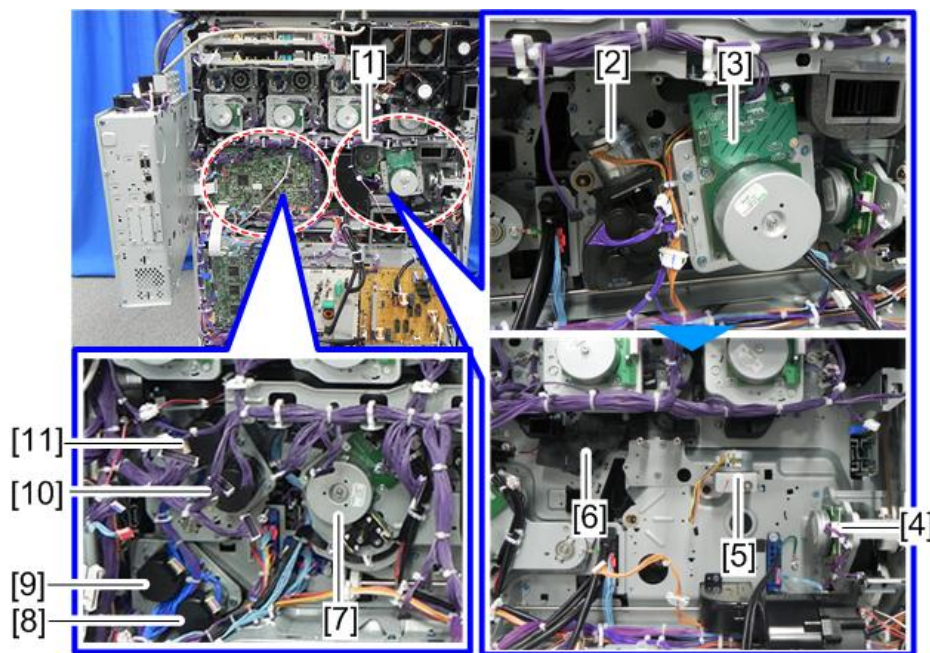


d257a4326

No.	Part Name	Replacement procedure	Remarks
1	Drum Cleaning Motor (KCMY)	Drum Cleaning Motor (KCMY)	K, C, M, Y from the left Y is located behind the potential sensor board.
2	Development Motor (KCMY)	Development Motor (KCMY)	K, C, M, Y from the left M and Y are located behind the potential sensor board.
3	Drum Motor (KCMY)	Drum Motor (KCMY) / Drum Encoder Sensor (KCMY)	K, C, M, Y from the left Y is located behind the potential sensor board.

Rear of the Machine (Middle)

To replace the motors and sensors on the back of the machine, first remove the outer cover. ([Rear Cover](#))



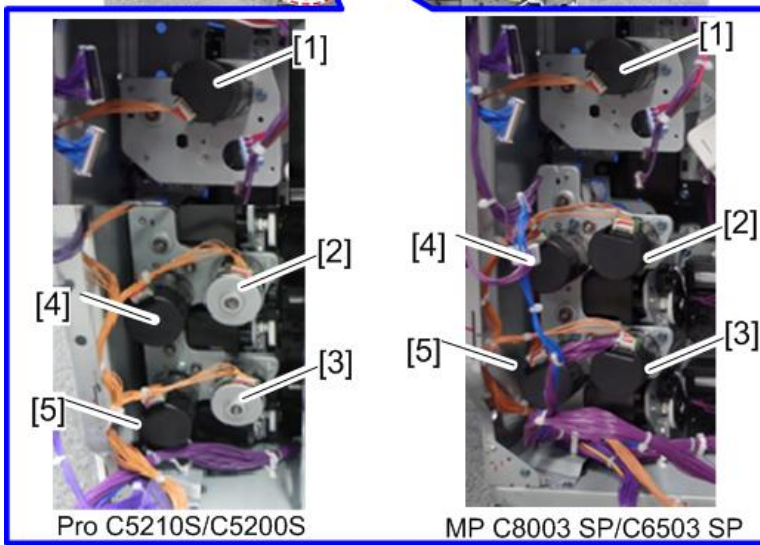
d257a4327

No.	Part Name	Replacement procedure	Remarks
1	Fusing Belt Smoothing Roller Drive Motor	Fusing Belt Smoothing Roller Drive Motor (Pro C5200S/C5210S)	Pro C5200S/C5210S only
2	Fusing Drive Motor	Fusing Drive Motor	
3	Waste Toner Collection Motor	Waste Toner Collection Motor	
4	Fusing Belt Smoothing Roller Contact Motor	Fusing Belt Smoothing Roller Contact Motor (Pro C5200S/C5210S)	Pro C5200S/C5210S only Located behind the fusing drive motor
5	Fusing Release Motor	Fusing Release Motor	Located behind the duct of the Paper Transfer Belt fusing exhaust fan
6	ITB Lift Motor	ITB Lift Motor	Located behind the ozone exhaust fan
7	Paper Transfer Belt Motor	Paper Transfer Belt Motor, Paper Transfer Belt Encoder Sensors	Located behind the IOB
8	1st Paper Feed Motor	1st Paper Feed Motor, 1st Transport Motor	Located behind the IOB
9	1st Transport Motor	1st Paper Feed Motor, 1st Transport Motor	Located behind the IOB
10	Relay Motor	Bypass Feed Motor, Relay Motor	Located behind the IOB
11	Bypass Feed Motor	Bypass Feed Motor, Relay Motor	Located behind the IOB

Rear of the Machine (Bottom)

To replace the motors and sensors on the back of the machine, first remove the outer cover. ([Rear Cover](#))

4.Replacement and Adjustment

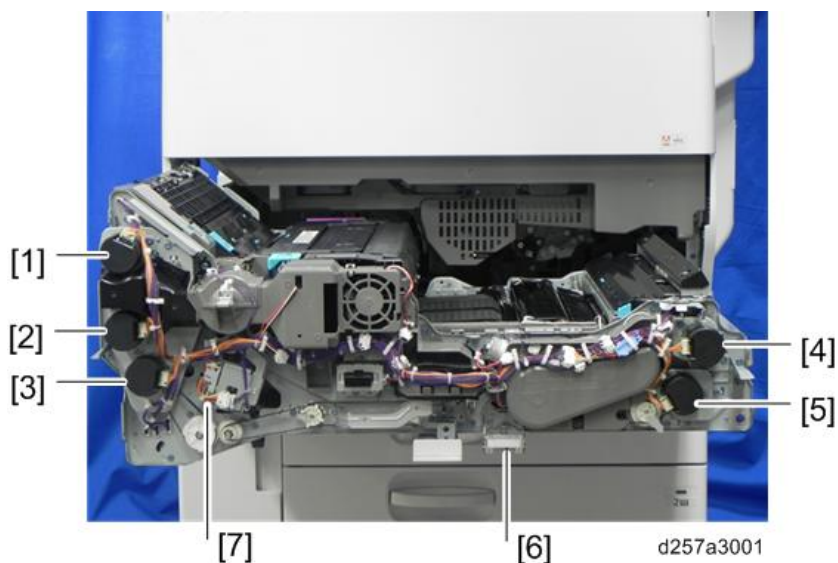


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No.	Part Name	Replacement procedure	Remarks
1	Vertical Transport Motor	Vertical Transport Motor	Located behind the PFB
2	2nd Paper Feed Motor	2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor	Located behind the PFB
3	3rd Paper Feed Motor	2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor	Located behind the PFB
4	2nd Transport Motor	2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor	Located behind the PFB
5	3rd Transport Motor	2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor	Located behind the PFB

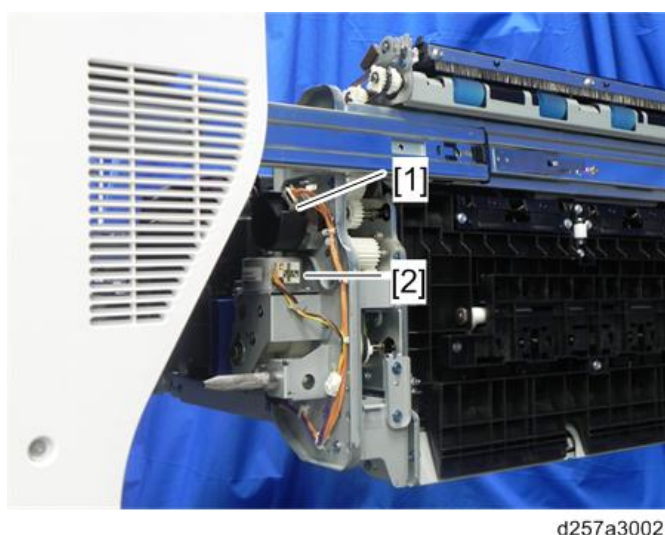
Drawer Unit (Front)

To replace the motors on the front of the drawer unit, first remove the drawer unit cover. ([Drawer Unit Cover](#))



No.	Part Name	Replacement procedure	Remarks
1	Exit Motor	Exit Motor	
2	Duplex Inverter Entrance Motor	Duplex Inverter Entrance Motor	
3	Duplex Transport Motor	Duplex Transport Motor	
4	Registration Motor	Registration Motor	
5	Duplex Exit Motor	Duplex Exit Motor	
6	Cleaning Web Motor	Cleaning Web Motor (Pro C5200S/C5210S only)	Pro C5200S/C5210S only

Drawer Unit (Rear)

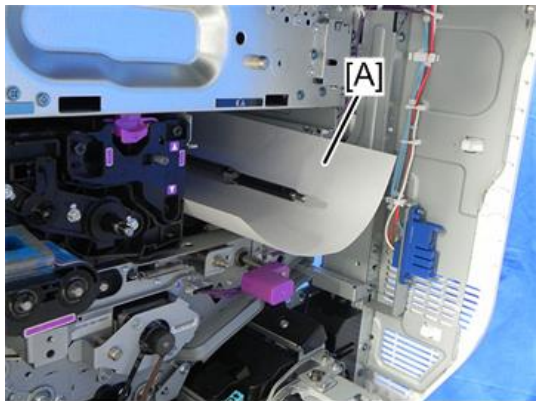


No.	Part Name	Replacement procedure	Remarks
1	Exit Inverter Motor	Exit Inverter Motor	
2	Cleaning Web Contact Motor	Cleaning Web Contact Motor (Pro C5200S/C5210S only)	Pro C5200S/C5210S only

Drum Motor (KCMY) / Drum Encoder Sensor (KCMY)

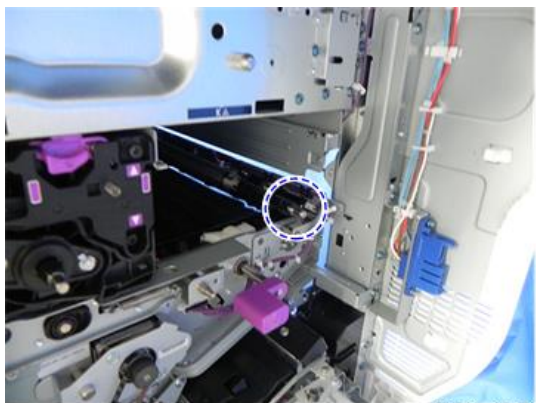
⚠ CAUTION

- Insert a sheet of paper [A] as shown below when removing the drum motor.



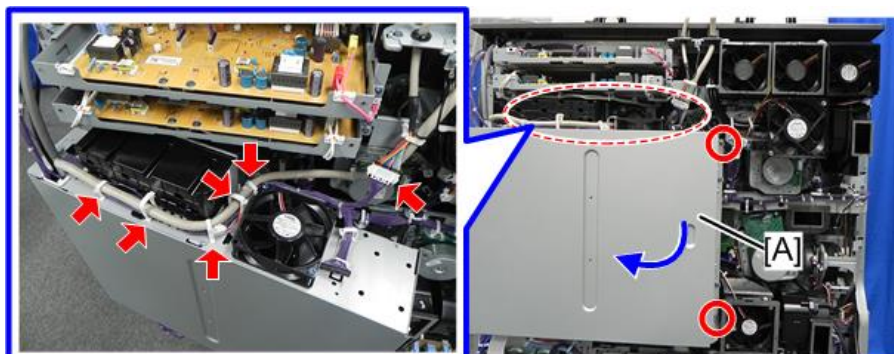
d257a4540

- This will prevent the grease coated on the tip of the drum shaft from contacting the ITB unit.



d257a4541

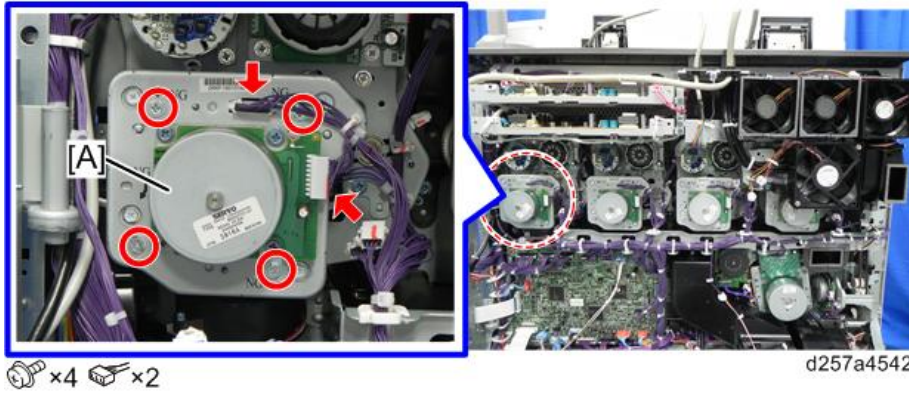
1. Remove the toner supply unit. (Toner Supply Unit)
2. Remove the faceplate. (Faceplate)
3. Remove the PCDU. (PCDU)
4. Open the controller box [A].



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⚙️ x2 📦 x1 🔩 x5

5. Remove the drum motor as a unit [A].
e.g.: K



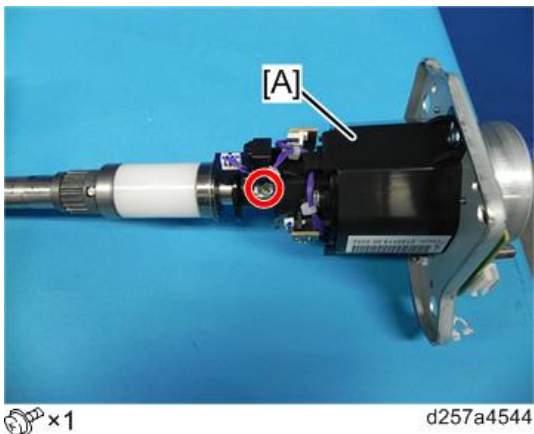
Note

- The following four screws located on the outside of the bracket were positioned on the bracket with a special jig. Do not loosen or remove these screws. If their position is shifted, the drum shaft will become eccentric, and this may cause abnormal images.



- The procedures for C and M are the same as for K.
- For Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do the step above. ([Removing the Drive Exhaust Fan and the Potential Sensor Board](#))

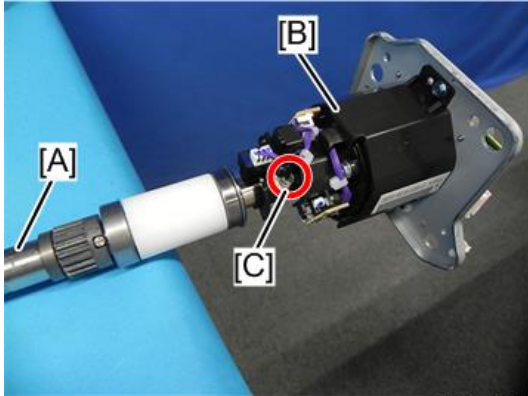
6. Remove the drum motor [A].



4.Replacement and Adjustment

Note

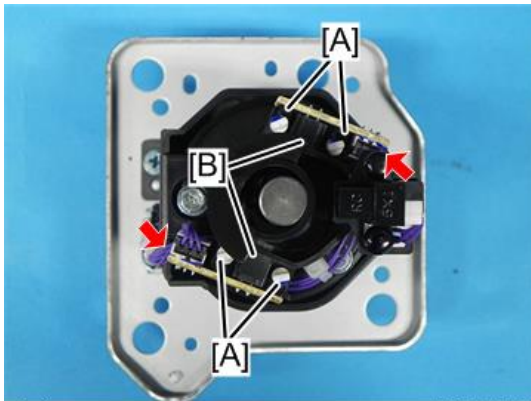
- When removing or installing the drum shaft [A] and motor [B], the parts where the drum shaft [A] connects to the motor [B] must be kept horizontal so that excessive load is not put on the drum shaft. In order to avoid deformation of the fixing screw [C], use a box-type driver.



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- For Pro C5200S/C5210S, there is a sensor and an actuator on the drum motor for detecting the drum home position. If the actuator is not installed, DEMS goes out of control and uneven density appears at 190 mm intervals on the output. Therefore, check the DEMS execution results with SP3-041-001 (DEMS Exe OK?) after replacing the drum motor. The DEMS execution results are displayed with 8 digits and they indicate the result of each color from left to right (YYMMCKKK). If "11111111" is displayed, DEMS has executed successfully for all color drums and development rollers. If "4" is displayed, there is a possibility that the actuator is not installed.

7. Remove the rivets [A] (×4), and remove the drum encoder sensor [B] (×2).

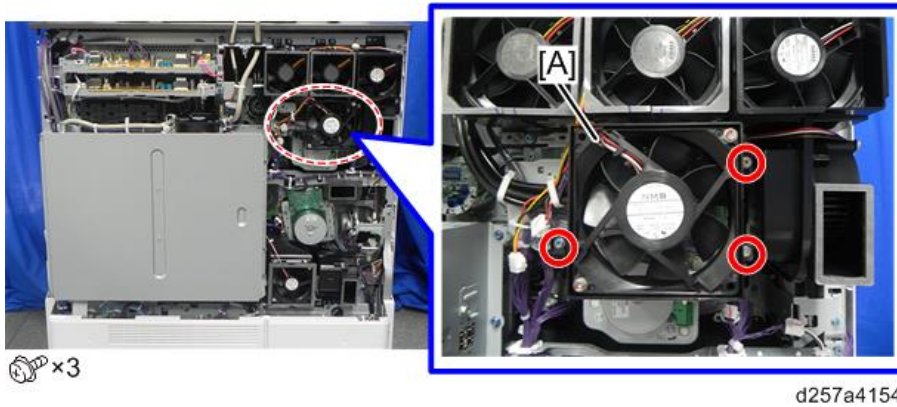


×2

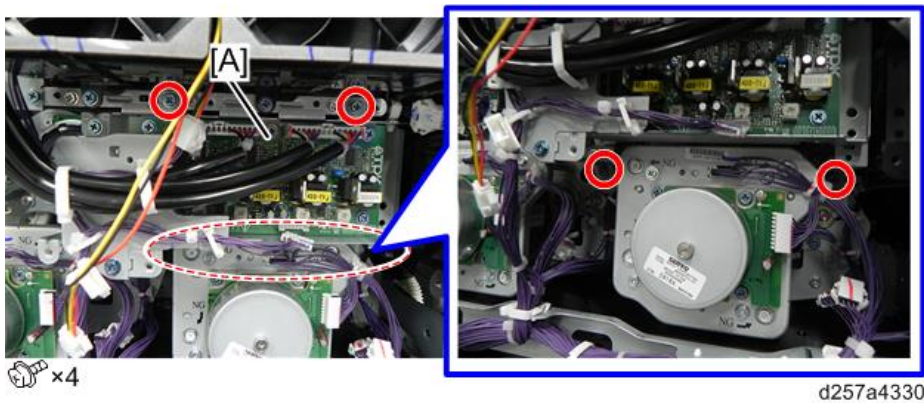
d257a4546

Removing the Drive Exhaust Fan and the Potential Sensor Board

1. Slide the drive exhaust fan [A] upward along with the duct.

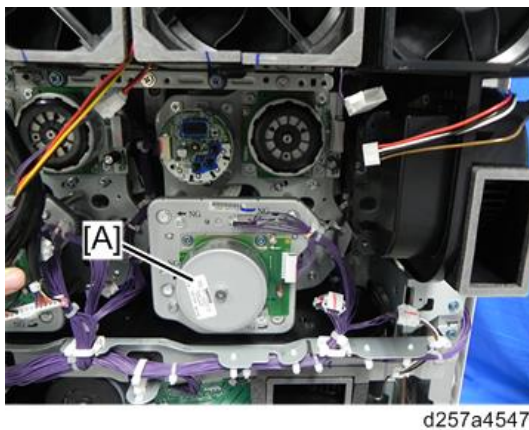


2. Remove the potential sensor board [A] along with the bracket.



Note

- Access to the drum motor (Y) [A] is possible.

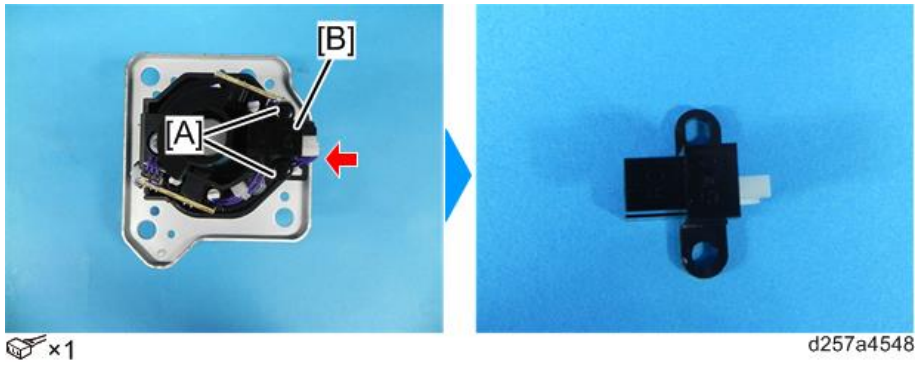


Drum Home Position Sensor (Pro C5200S/C5210S Only)

1. Remove the drum motor. (Drum Motor (KCMY) / Drum Encoder Sensor (KCMY))

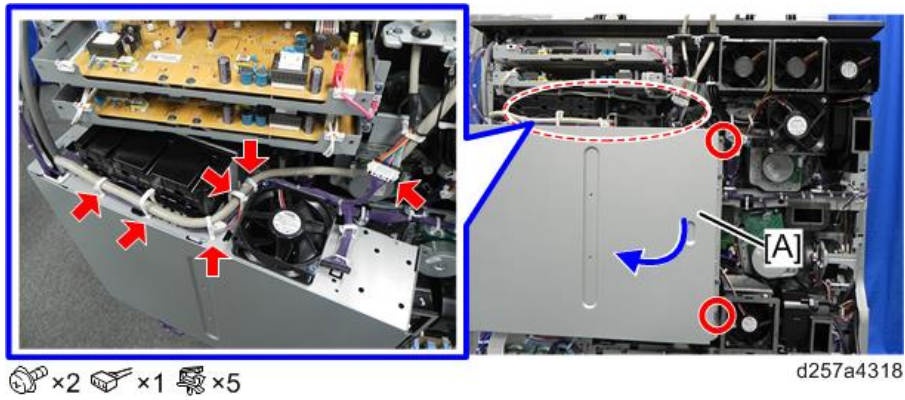
4.Replacement and Adjustment

2. Remove the rivets [A] (×2), and remove the drum home position sensor [B].

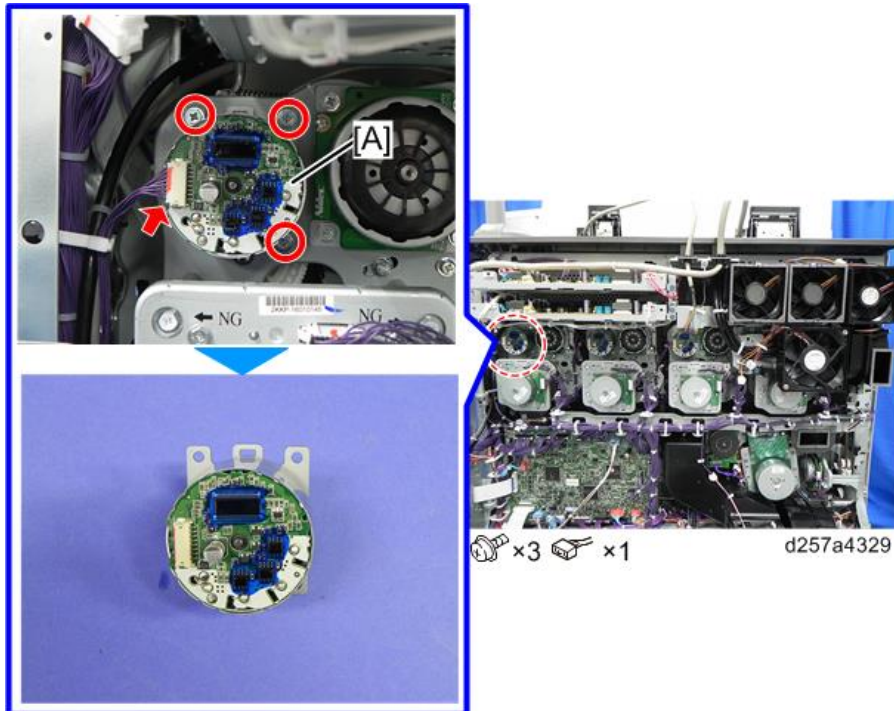


Drum Cleaning Motor (KCMY)

1. Open the controller box [A].



2. Remove the drum cleaning motor [A] along with the bracket.
e.g.: K

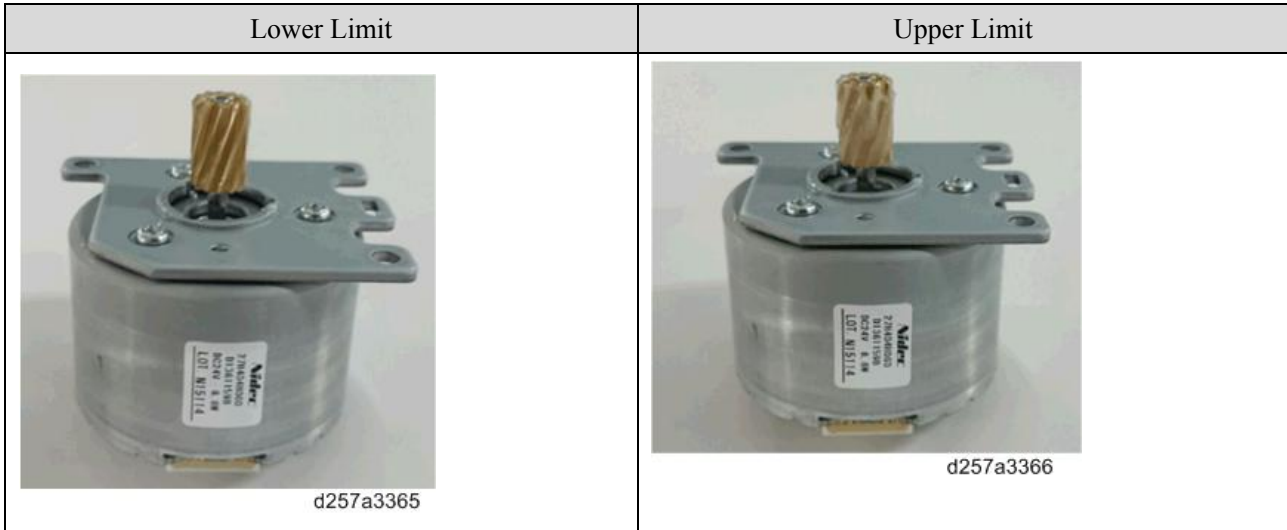


Note

- The procedures for C and M are the same as for K.
- For Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do the step above. ([Removing the Drive Exhaust Fan and the Potential Sensor Board](#))

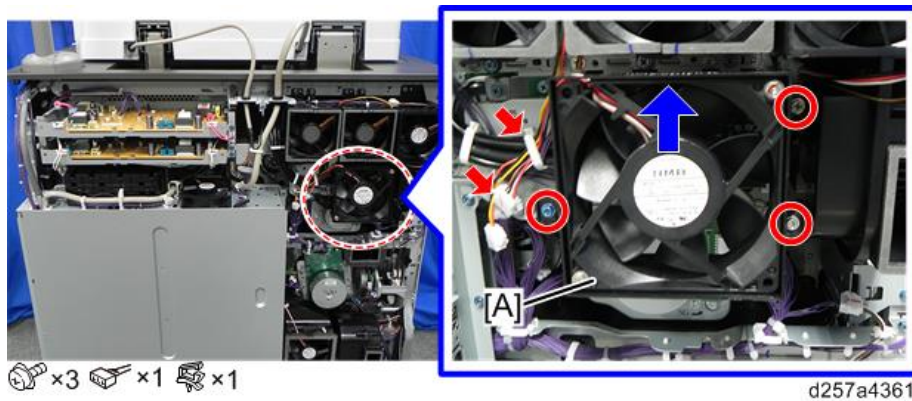
Applying Grease after Replacing the Drum Cleaning Motor

After replacing the drum cleaning motor, apply grease to the motor shaft gear to reduce motor noise (Grease: G-1077).



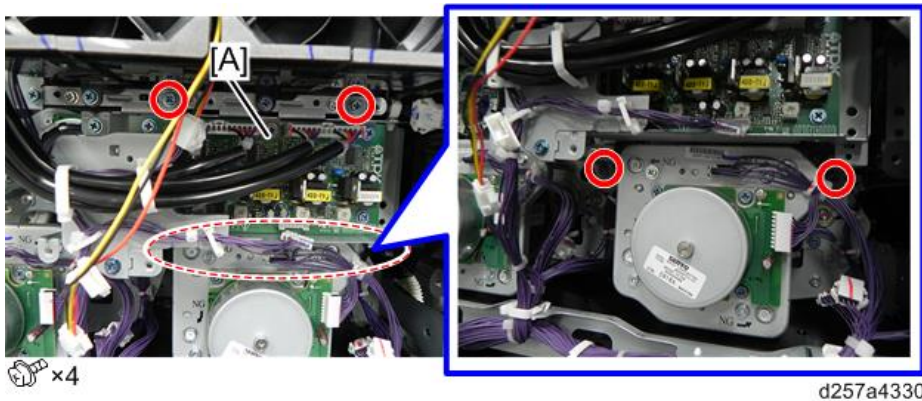
Removing the Drive Exhaust Fan and the Potential Sensor Board

1. Slide the drive exhaust fan [A] upward along with the duct.



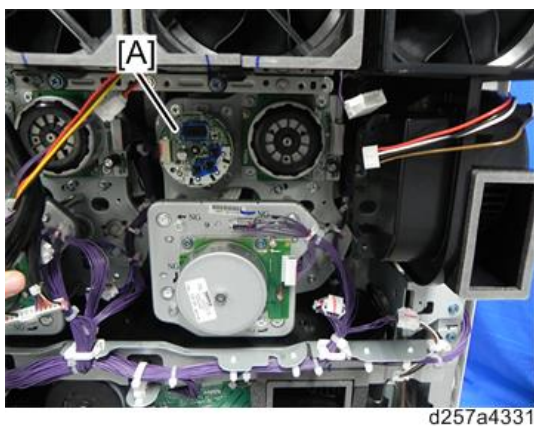
2. Remove the potential sensor board [A] along with the bracket.

4.Replacement and Adjustment



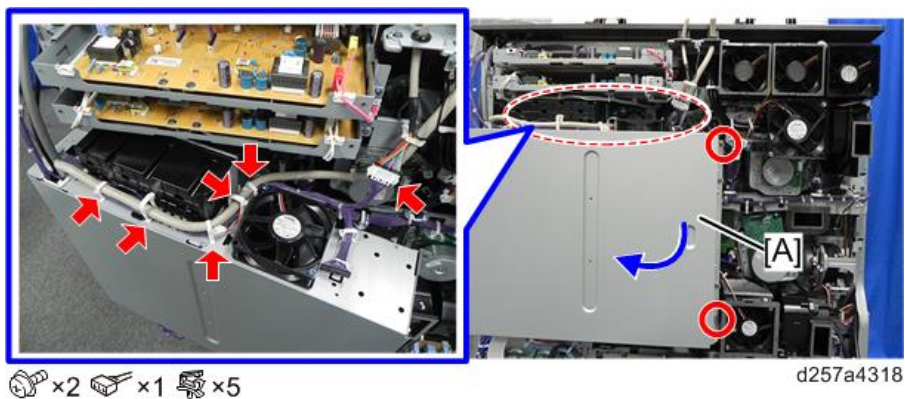
Note

- Access to the drum cleaning motor (Y) [A] is possible.

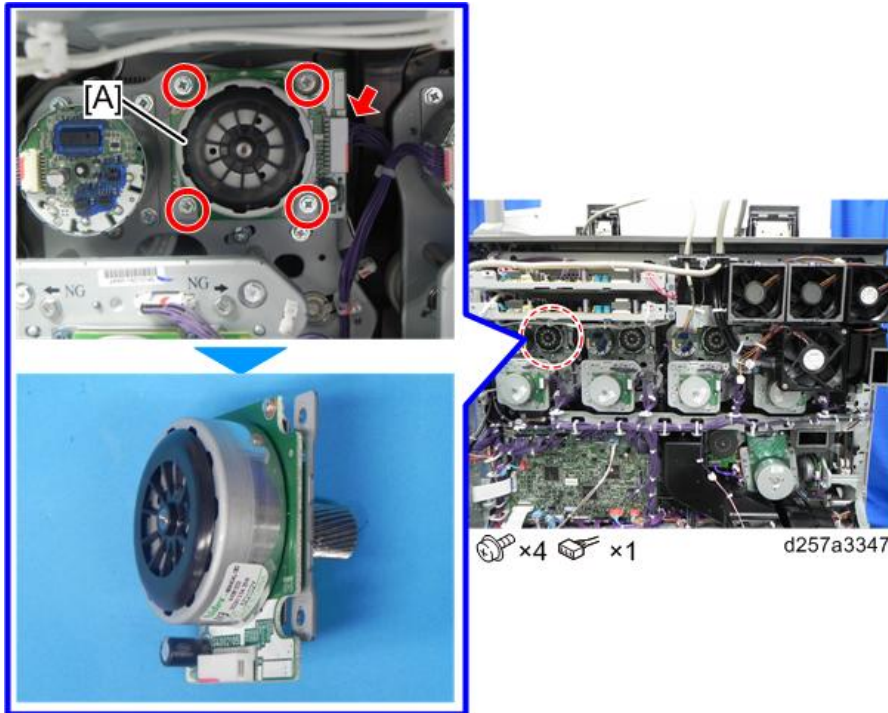


Development Motor (KCMY)

1. Open the controller box [A].



2. Remove the development motor [A].
e.g.: K

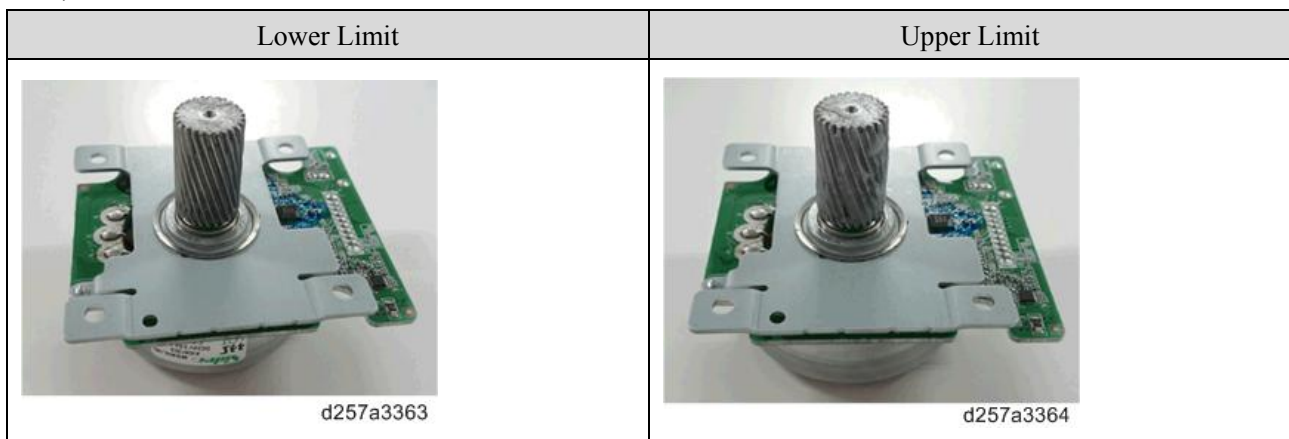


Note

- The procedures for C and M are the same as for K.
- For M and Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do the step above. ([Removing the Drive Exhaust Fan and the Potential Sensor Board](#))

Applying Grease after Replacing the Development Motor

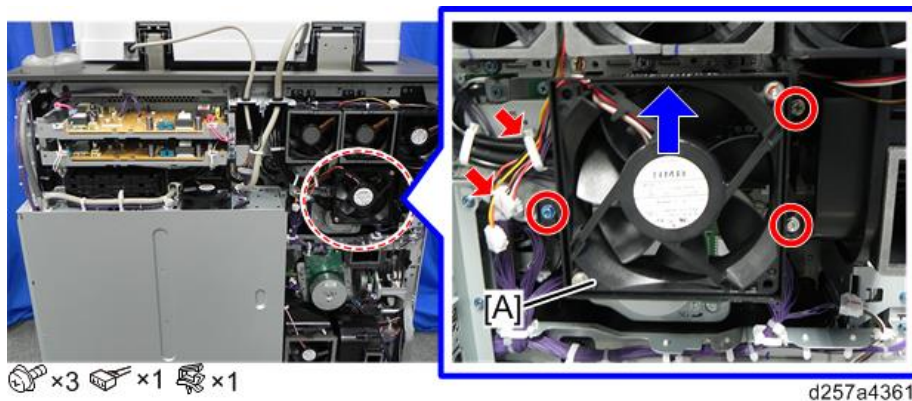
After replacing the development motor, apply grease to the motor shaft gear to reduce motor noise (Grease: G-1077).



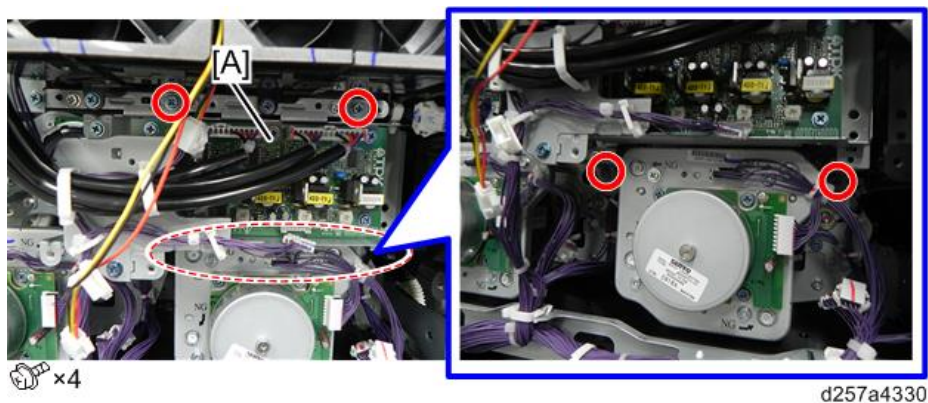
4.Replacement and Adjustment

Removing the Drive Exhaust Fan and the Potential Sensor Board

1. Slide the drive exhaust fan [A] upward along with the duct.

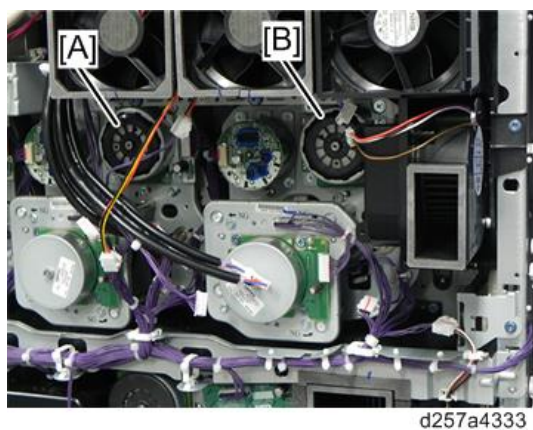


2. Remove the potential sensor board [A] along with the bracket.



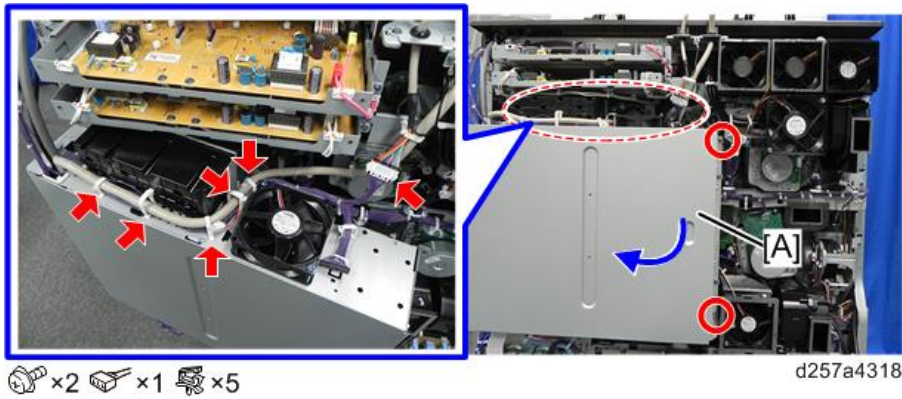
Note

- Access to the development motor (M) [A] and development motor (Y) [B] is possible.

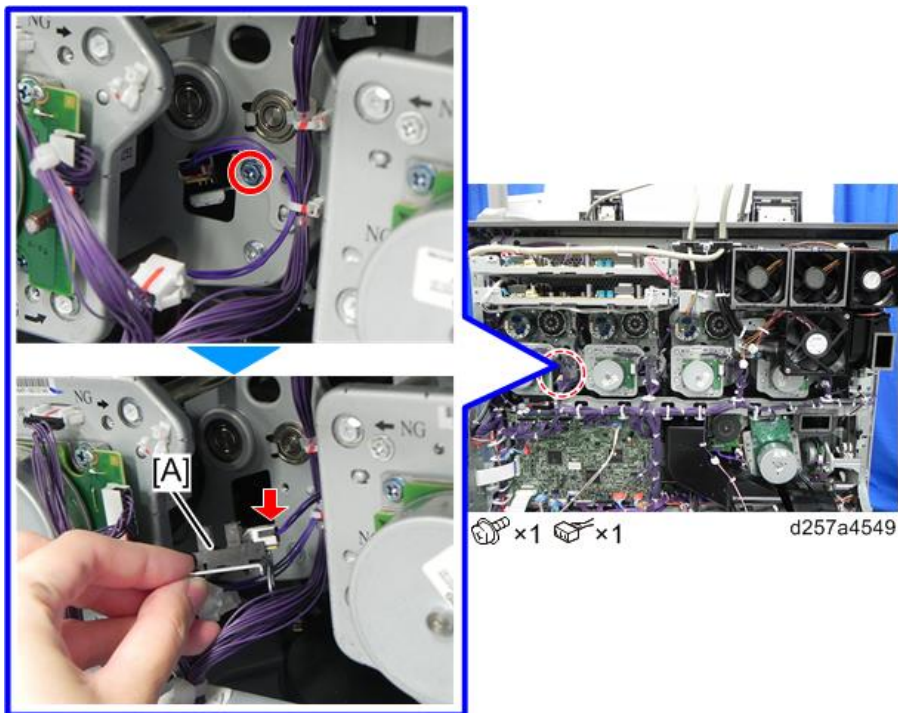


 Development Roller Home Position Sensor (KCMY)

1. Open the controller box [A].



2. Remove the development roller home position sensor [A].



 ITB Lift Motor

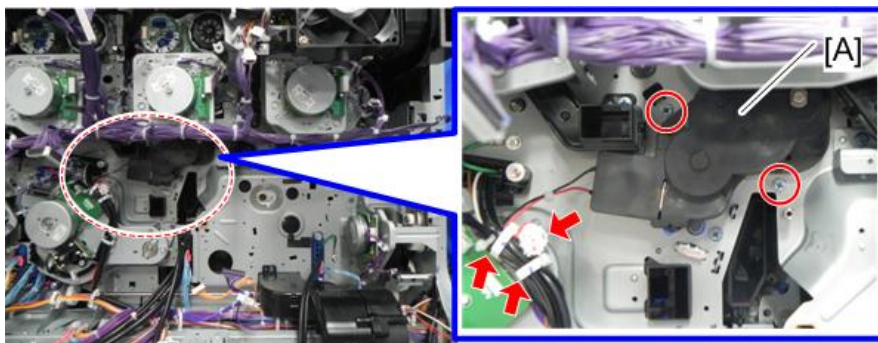
1. Remove the ozone exhaust fan along with the duct. ([Ozone Exhaust Fan](#))

Note

For Pro C5200S/C5210S, in order to remove the ITB lift unit, you must remove the fusing belt smoothing roller contact motor. ([Fusing Belt Smoothing Roller Contact Motor \(Pro C5200S/C5210S\)](#))

4.Replacement and Adjustment

2. Remove the ITB lift motor [A] along with the bracket.



⚙️×2 🛠️×1 🧰×2

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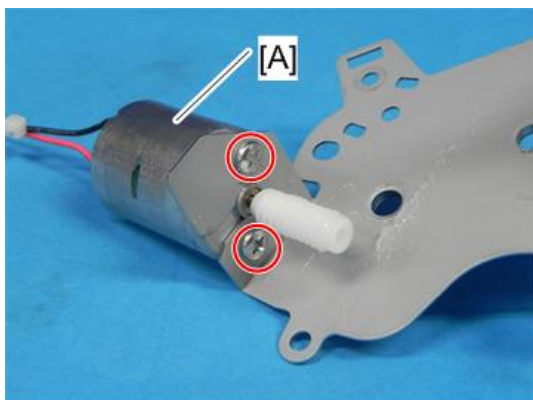
3. Remove the cover [A].



⚙️×3

d257a3371

4. Remove the ITB lift motor.





⚙️×2

d257a3372

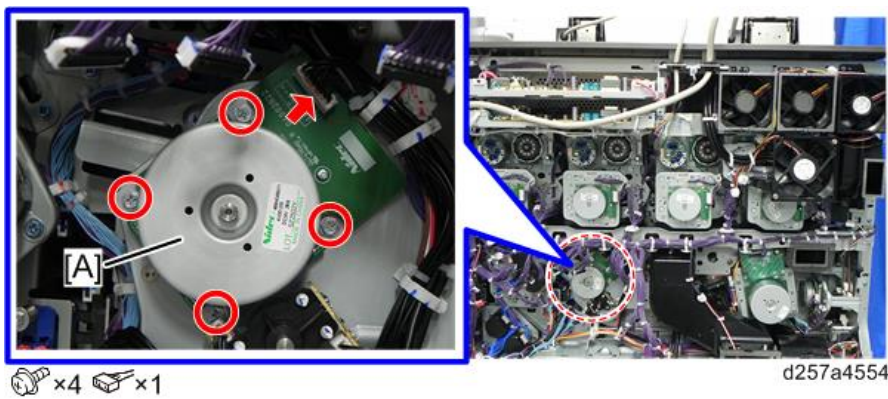
Applying Grease after Replacing the ITB Lift Motor

After replacing the ITB lift motor, apply grease to the motor shaft gear to reduce motor noise (Grease: G-1077).

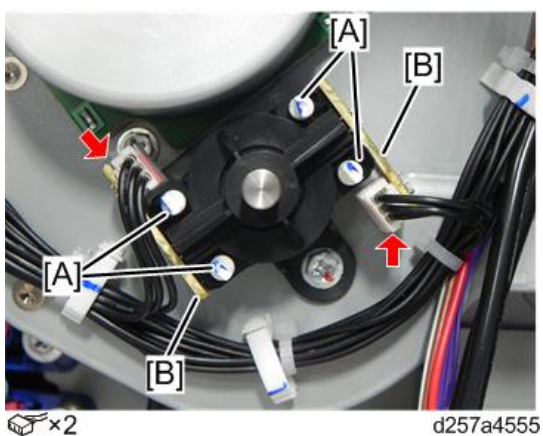
Lower Limit	Upper Limit
 <p>d257a3373</p>	 <p>d257a3374</p>

Paper Transfer Belt Motor, Paper Transfer Belt Encoder Sensors

1. Remove the IOB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the IOB)
2. Remove the paper transfer belt motor [A].

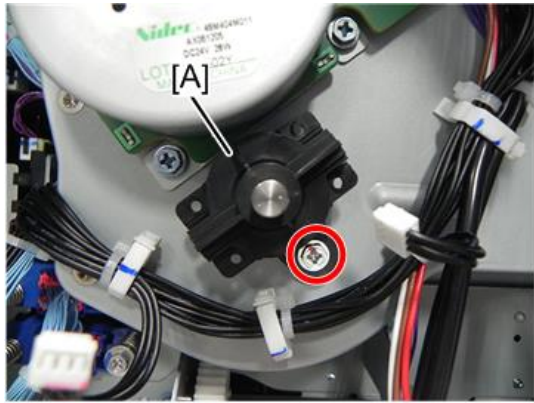


3. Remove the rivets [A] (×4), and remove the paper transfer belt encoder sensors [B] (x 2).



4.Replacement and Adjustment

4. Remove the paper transfer belt encoder sensor cover [A].

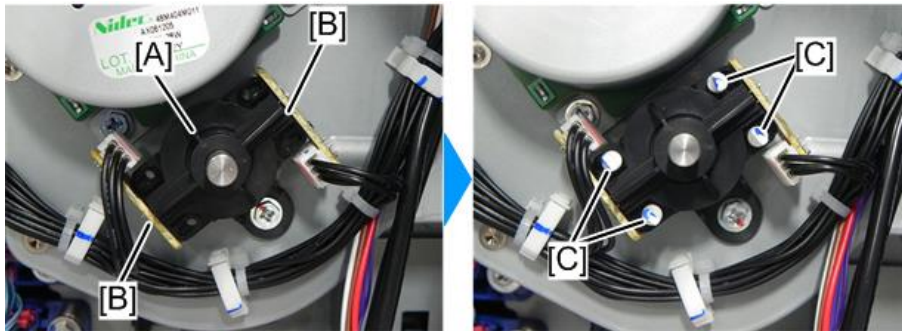


×1

d257a4556

Note

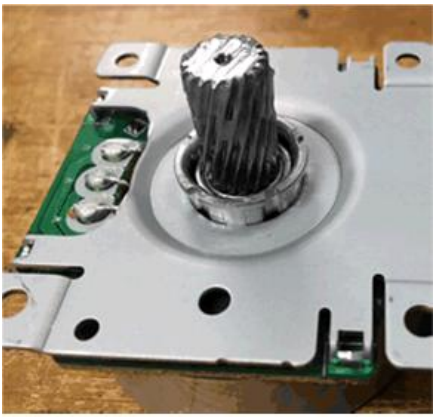

- When installing the paper transfer belt encoder sensors, put the sensors [B] on the encoder cover [A] and fasten the sensors with rivets [C].



d257a4557

Applying Grease after Replacing the Paper Transfer Belt Motor

After replacing the paper transfer belt motor, apply grease to the motor shaft gear to reduce motor noise (Grease: G-1077).

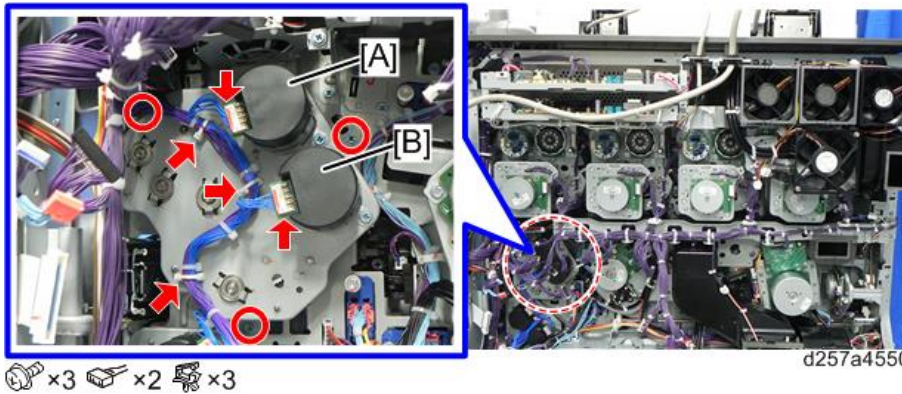
Lower Limit	Upper Limit
 <p>d257a3367</p>	 <p>d257a3368</p>

Bypass Feed Motor, Relay Motor

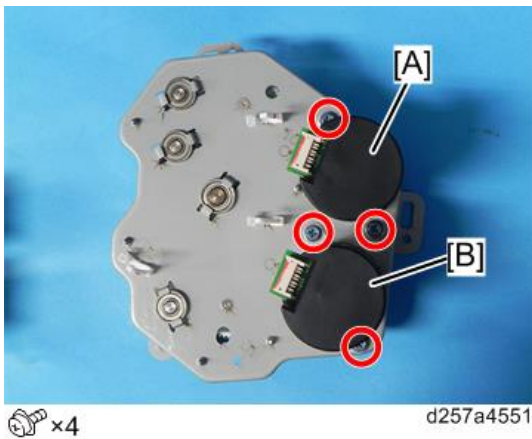
1. Remove the IOB along with the bracket, located on the back side of the machine. (When removing the

motors that are behind the IOB)

2. Remove the bypass feed motor [A] and relay motor [B] along with the bracket.

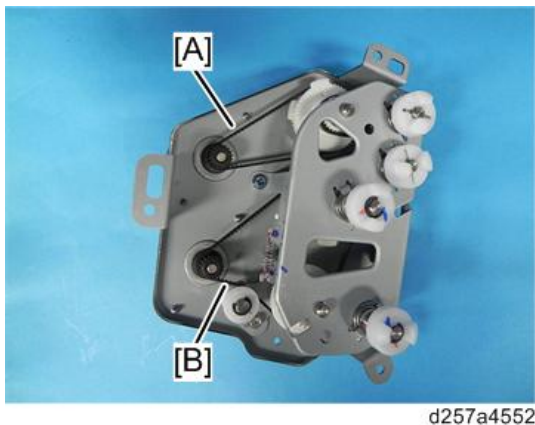


3. Remove the bypass feed motor [A] and relay motor [B] from the bracket.



Note

- When installing motors, attach the timing belts [A], [B].



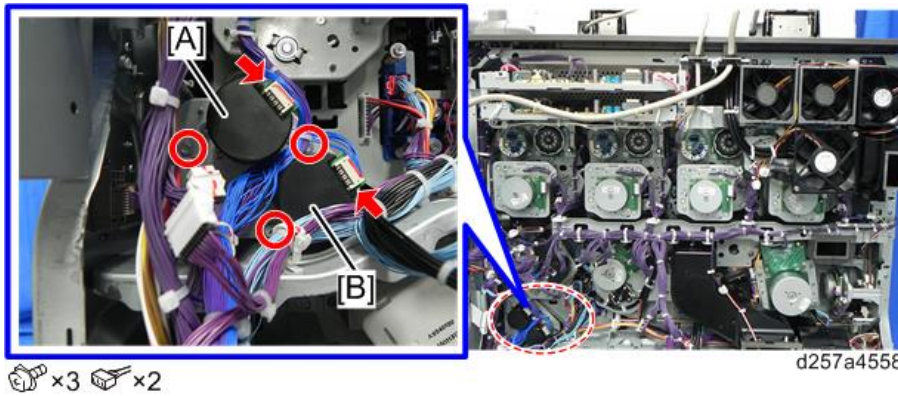
Paper Feed Motors, Transport Motors

1st Paper Feed Motor, 1st Transport Motor

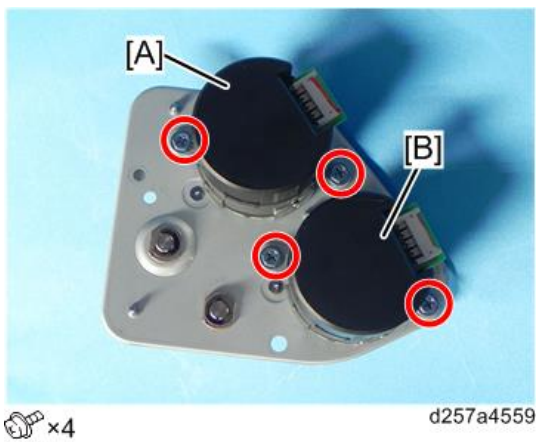
1. Remove the IOB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the IOB)

4.Replacement and Adjustment

2. Remove the 1st paper feed motor [A] and 1st transport motor [B] along with the bracket.

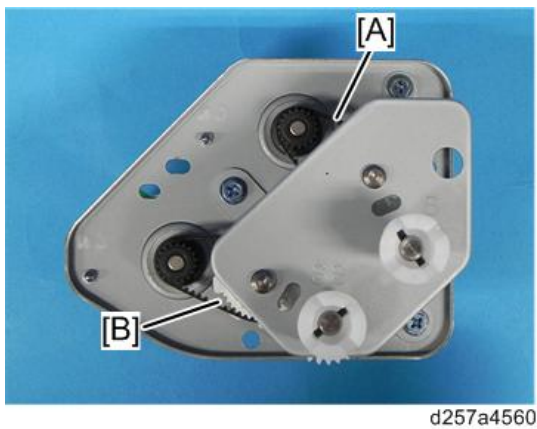


3. Remove the 1st paper feed motor [A] and 1st transport motor [B] from the bracket.



Note

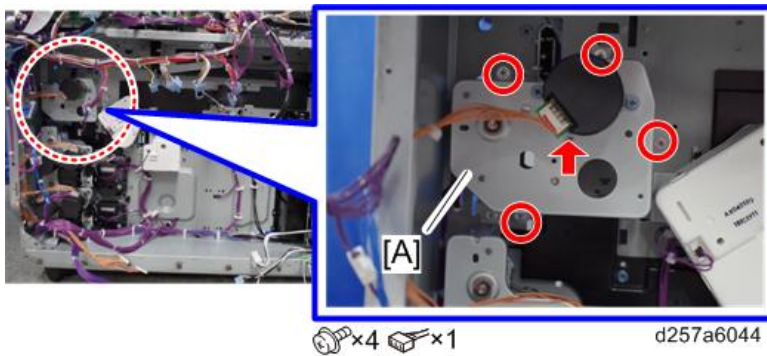
- When installing motors, attach the timing belts [A], [B].



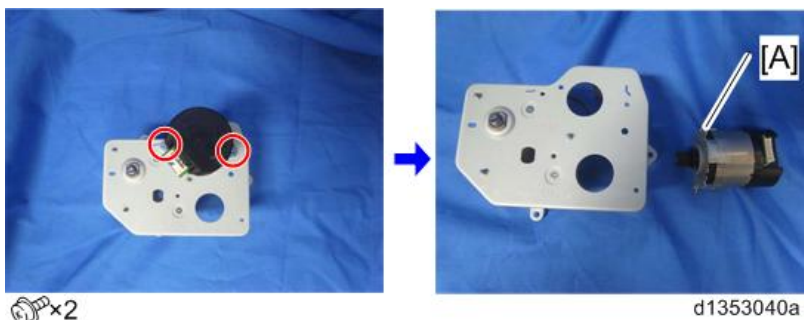
Vertical Transport Motor

1. Remove the PFB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the PFB)

2. Remove the vertical transport motor [A] along with the bracket.



3. Vertical transport motor [A].



Note

- When installing the motor, attach the timing belt.

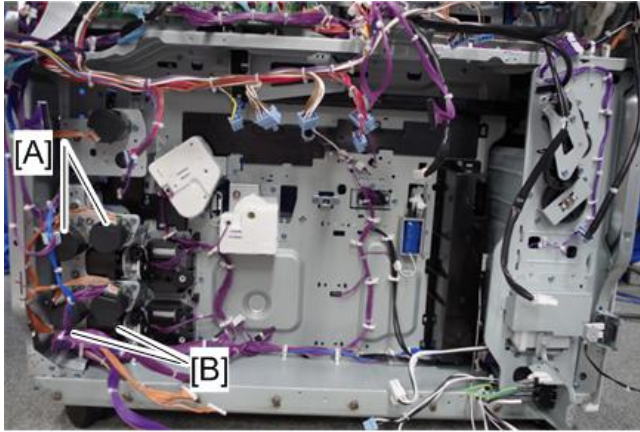


2nd Paper Feed Motor, 2nd Transport Motor, 3rd Paper Feed Motor, 3rd Transport Motor

1. Remove the PFB along with the bracket, located on the back side of the machine. (When removing the motors that are behind the PFB)

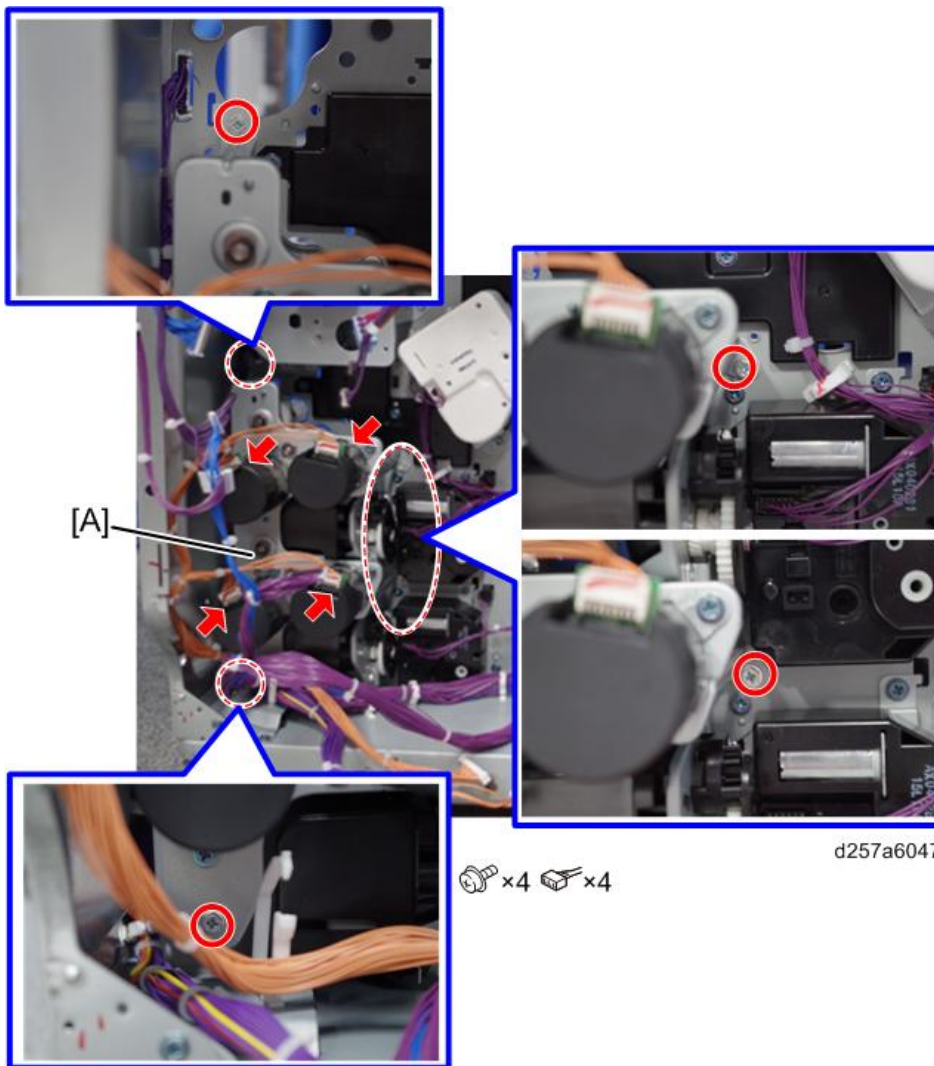
The 2nd paper feed motor, 2nd transport motor [A], 3rd paper feed motor, and 3rd transport motor [B] are attached to one bracket.

4.Replacement and Adjustment



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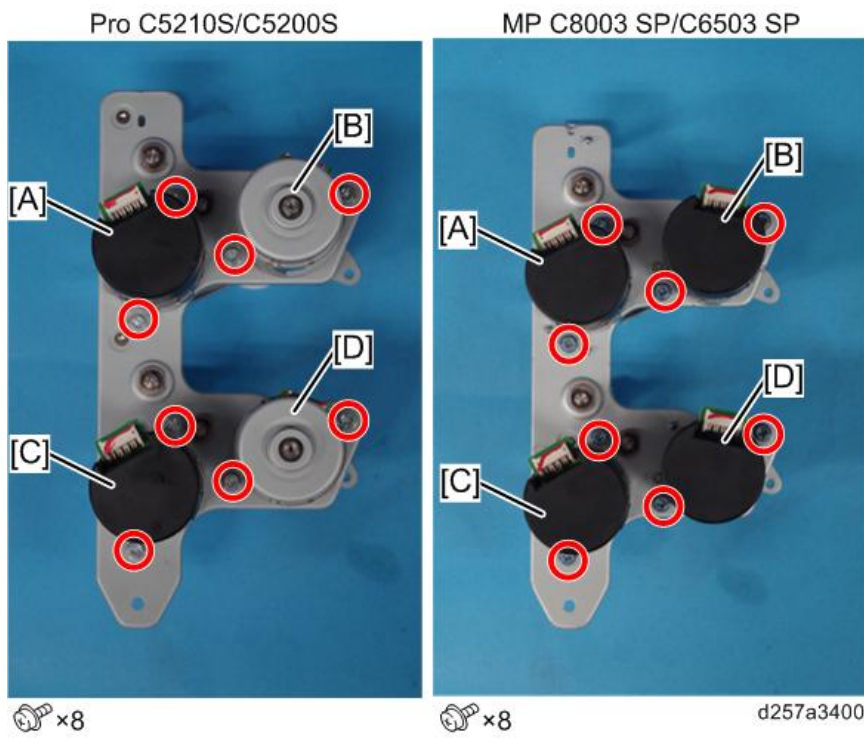
2. Remove the paper feed motors and transport motors (x 4) [A] along with the bracket.



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🔧 x4 🛠️ x4

3. 2nd transport motor [A], 2nd paper feed motor [B], 3rd transport motor [C] and 3rd paper feed motor [D].

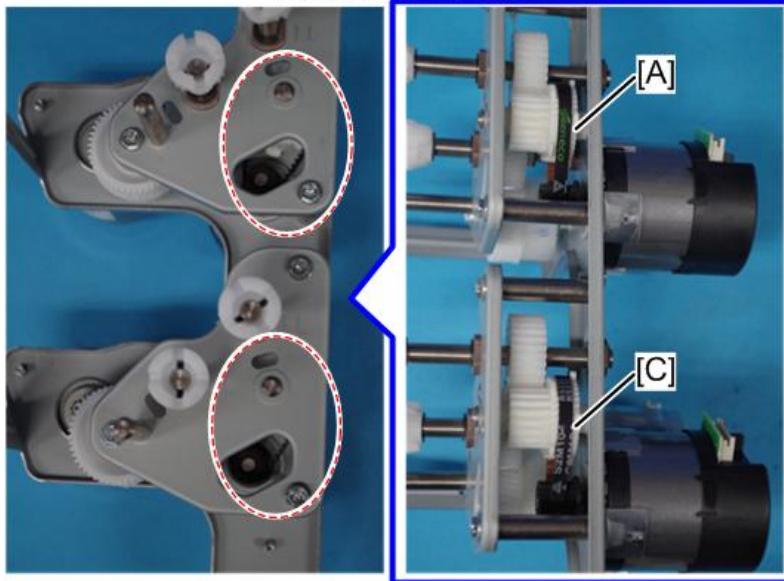


4.Replacement and Adjustment

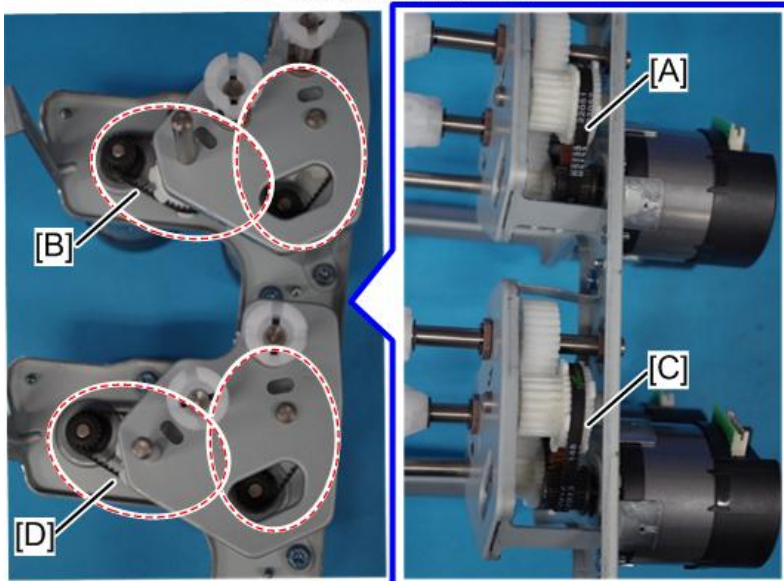
Note

- When installing motors, attach the timing belts.

Pro C5210S/C5200S



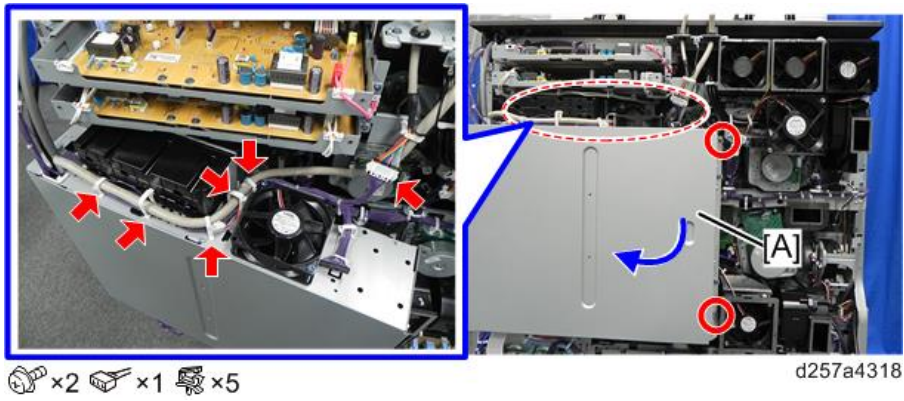
MP C8003 SP/C6503 SP



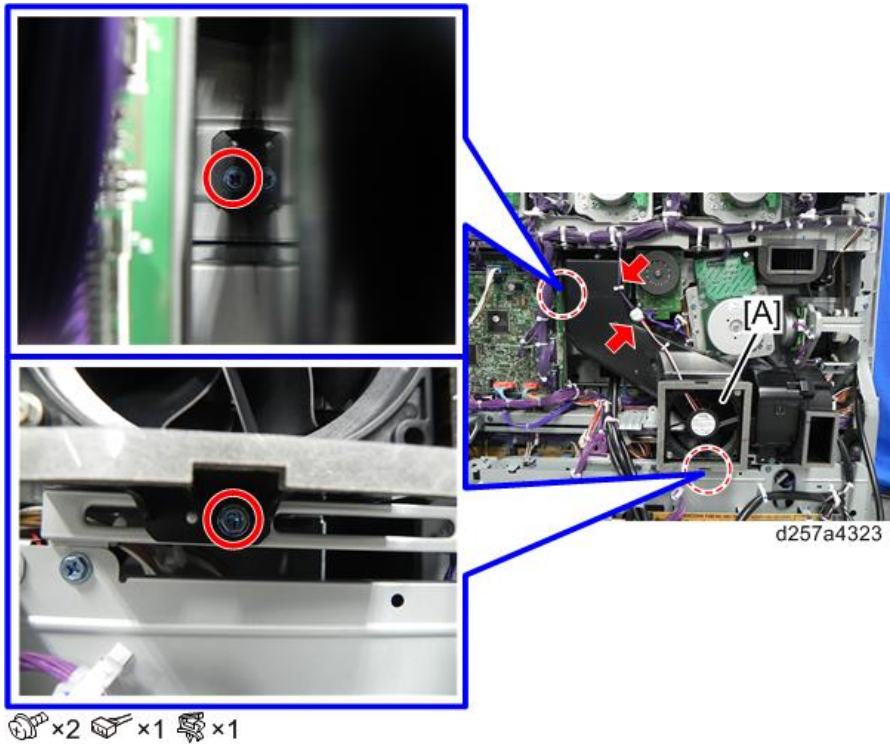
d257a3401

Fusing Drive Motor

1. Open the controller box [A].

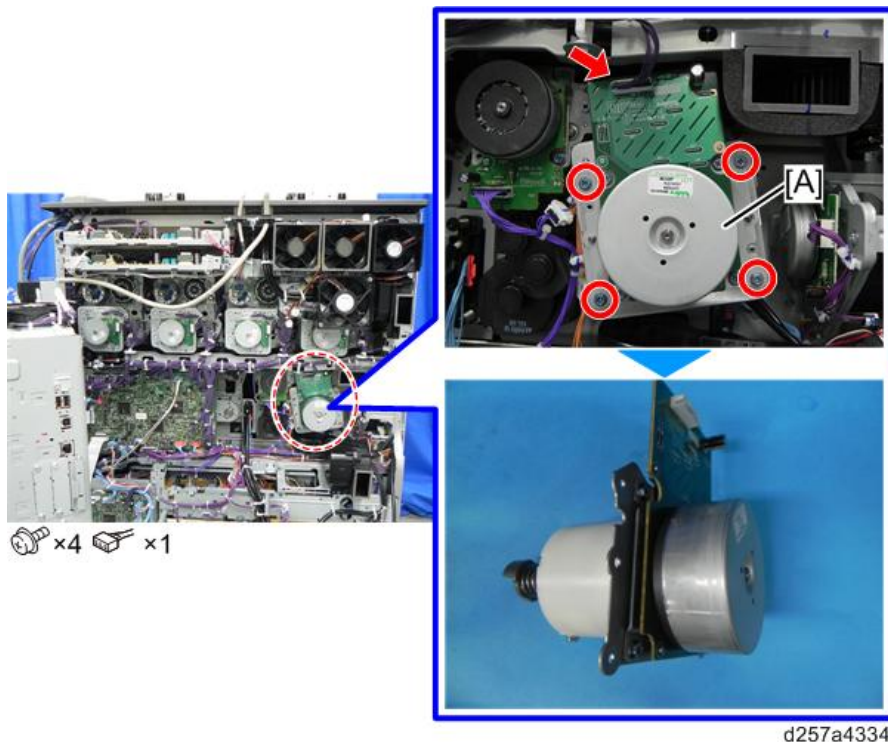


2. Remove the paper transfer belt fusing exhaust fan [A] along with the duct.



4.Replacement and Adjustment

3. Remove the fusing drive motor [A].

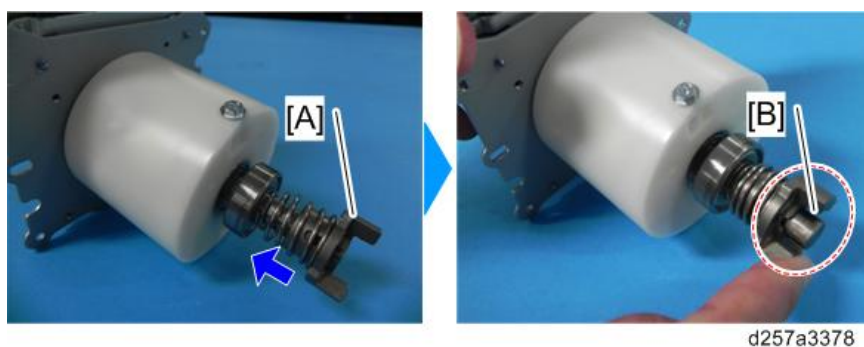


Applying Grease after Replacing the Fusing Drive Motor

After replacing the fusing drive unit, apply grease to the motor shaft and joint to prevent abnormal motor noise (Grease: G-1077).

Grease range: whole of the shaft, Grease amount: 0.05g to 0.15g

1. Push the joint [A], and apply the grease (G-1077) to the whole of the shaft [B].



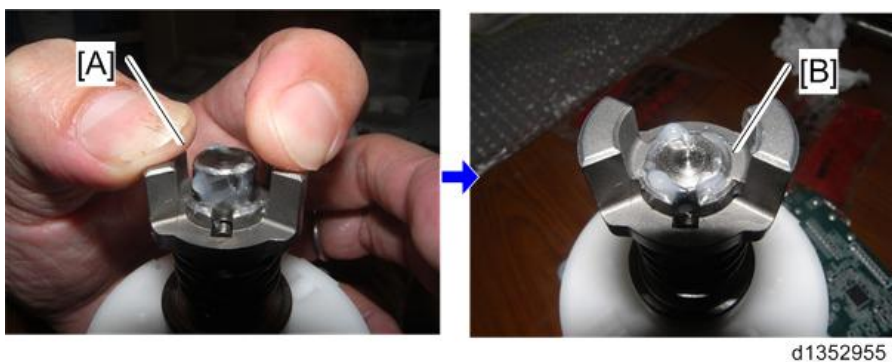
2. Put back the joint and turn it to spread the grease evenly.

Note

- Lower shaft (0.05g): grease applied [A], after turning [B]



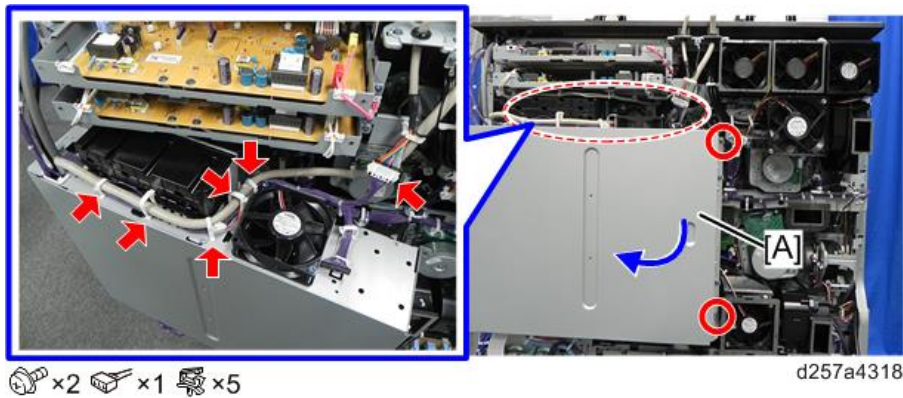
- Upper shaft (0.15g): grease applied [A], after turning [B]



Fusing Release Motor

Removing the Fusing Release Motor

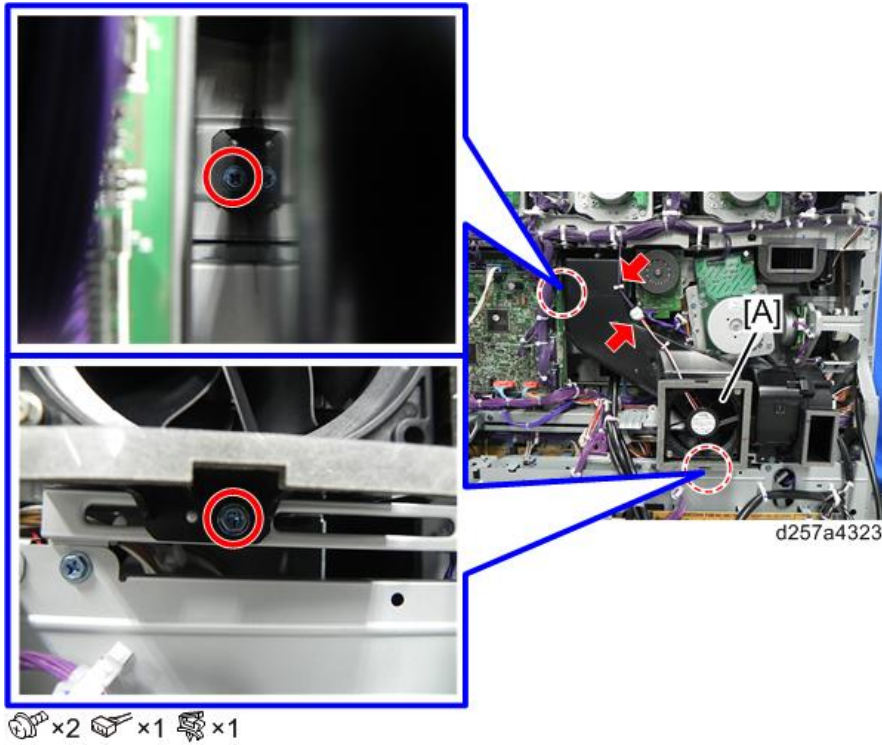
- 1.** Open the controller box [A].



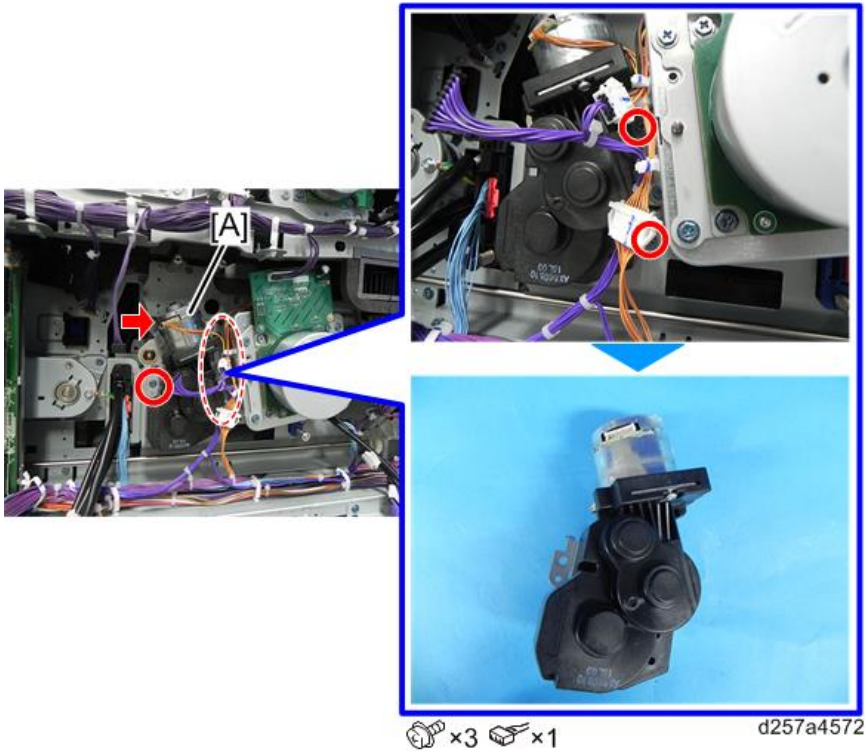
⚙️ ×2 📦 ×1 🛠️ ×5

4.Replacement and Adjustment

2. Remove the paper transfer belt fusing exhaust fan [A] along with the duct.



3. Remove the fusing release motor [A].

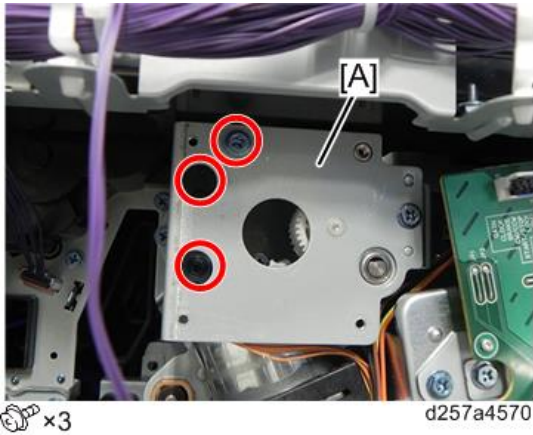


Note

- For Pro C5200S/C5210S, in order to remove the fusing release motor, you must remove the bracket of the fusing belt smoothing roller drive motor. ([Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket](#))

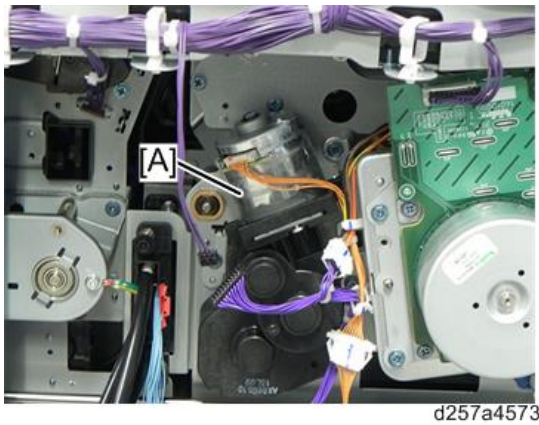
Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket

1. Remove the fusing belt smoothing roller drive motor. ([Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket](#))
2. Remove the bracket [A] of the fusing belt smoothing roller drive motor.



Note

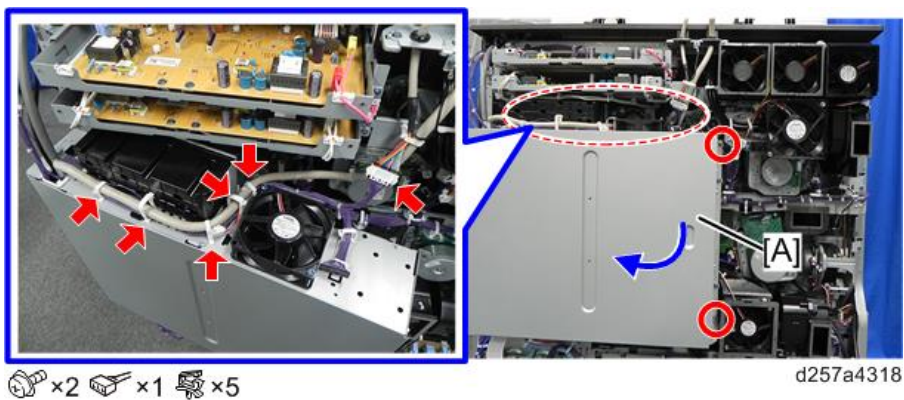
- Access to the fusing release motor [A] is possible.



Waste Toner Collection Motor

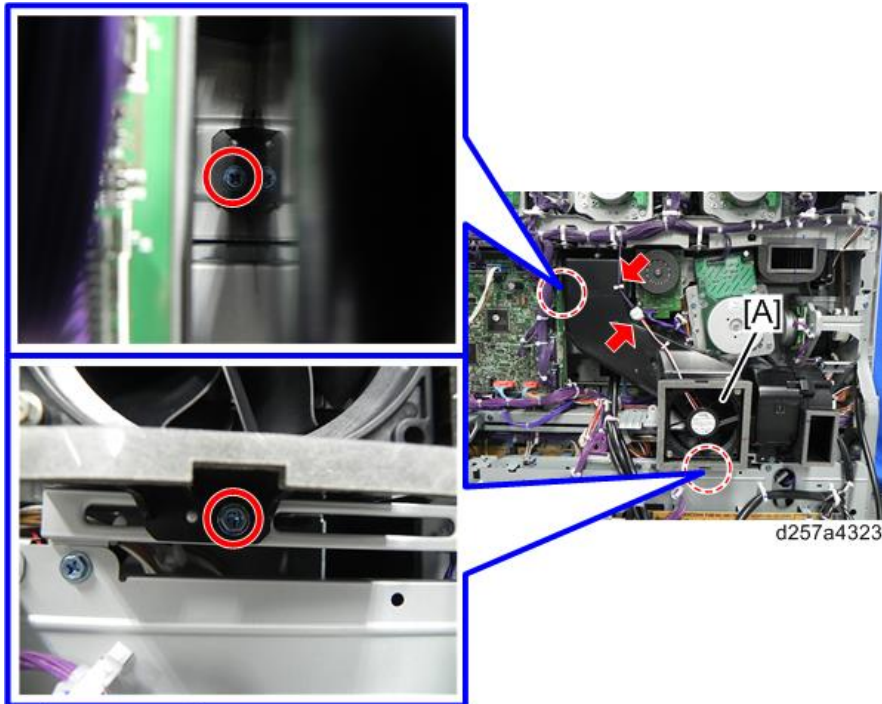
Removing the Waste Toner Collection Motor

1. Open the controller box [A].



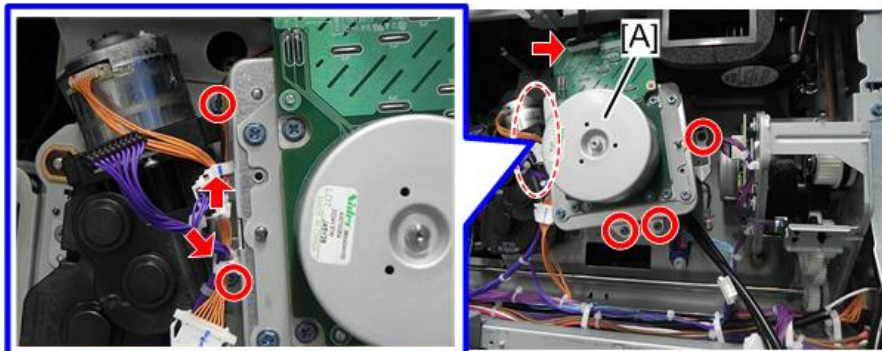
4.Replacement and Adjustment

2. Remove the paper transfer belt fusing exhaust fan [A] along with the duct.



🔧 ×2 📦 ×1 🛠️ ×1

3. Remove the fusing drive motor [A] along with the bracket.

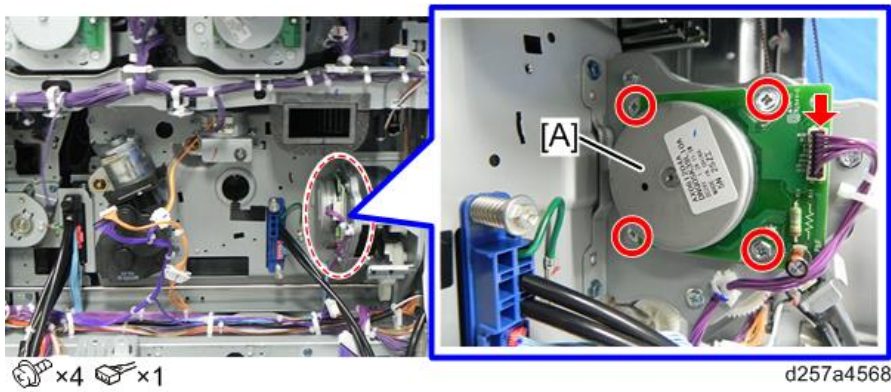


🔧 ×5 📦 ×1 🛠️ ×2

⚠️ Note

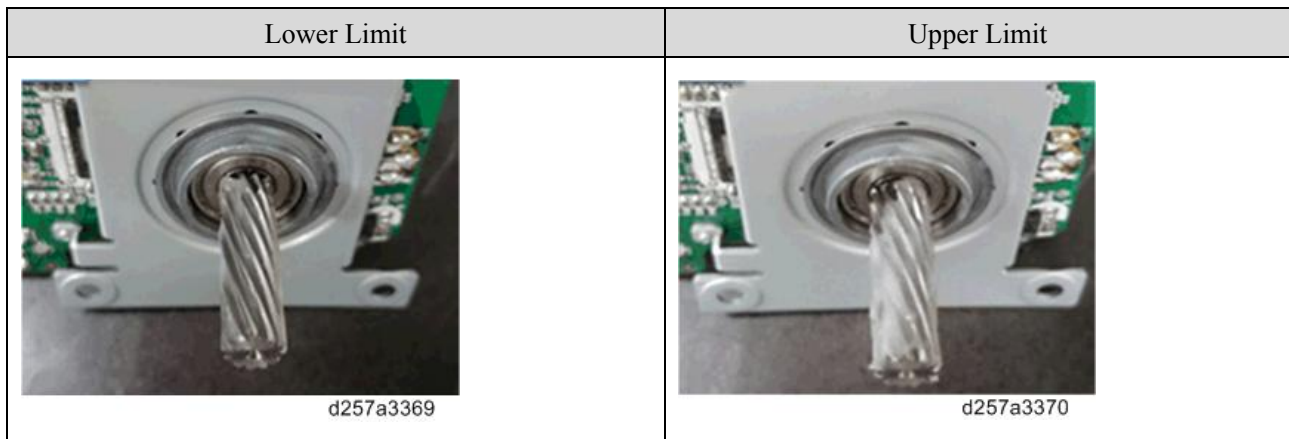
- For Pro C5200S/C5210S, in order to remove the fusing drive motor along with the bracket, you must remove the bracket of the fusing belt smoothing roller drive motor. ([Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket](#))

4. Remove the waste toner collection motor [A].



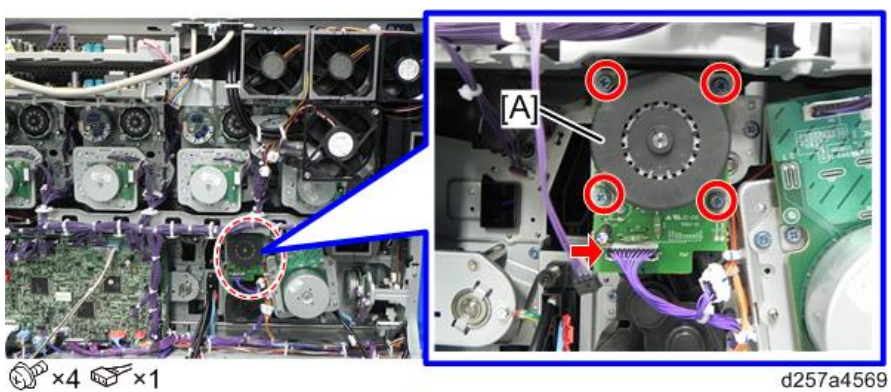
Applying Grease after Replacing the Waste Toner Collection Motor

After replacing the waste toner collection motor, apply grease to the motor shaft gear (Grease: G-1077).



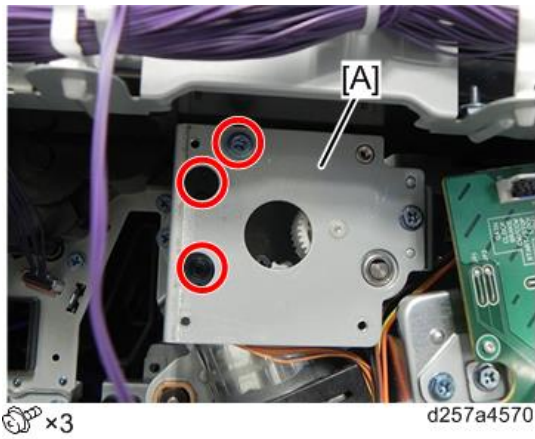
Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket

1. Remove the fusing belt smoothing roller drive motor [A].



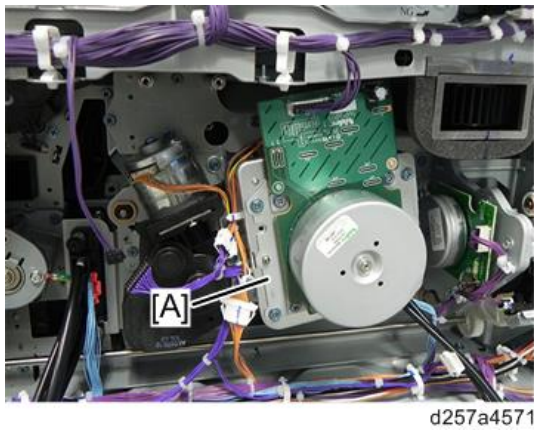
4.Replacement and Adjustment

2. Remove the bracket [A] of the fusing belt release roller drive motor.



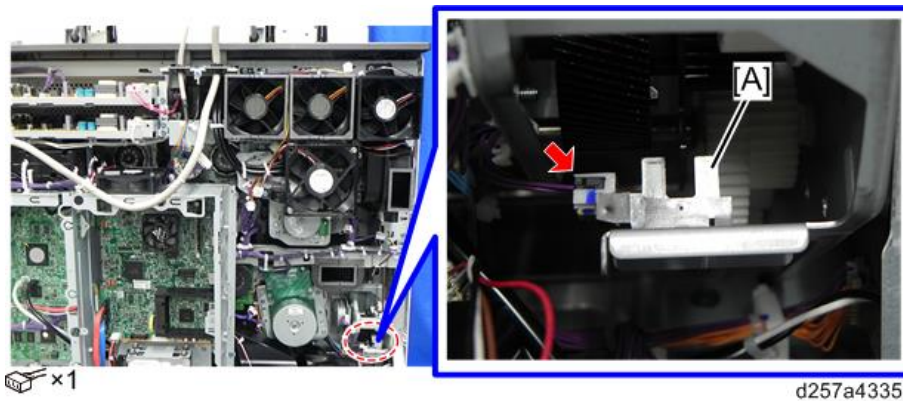
Note

- Access to the bracket [A] of the fusing drive motor is possible.



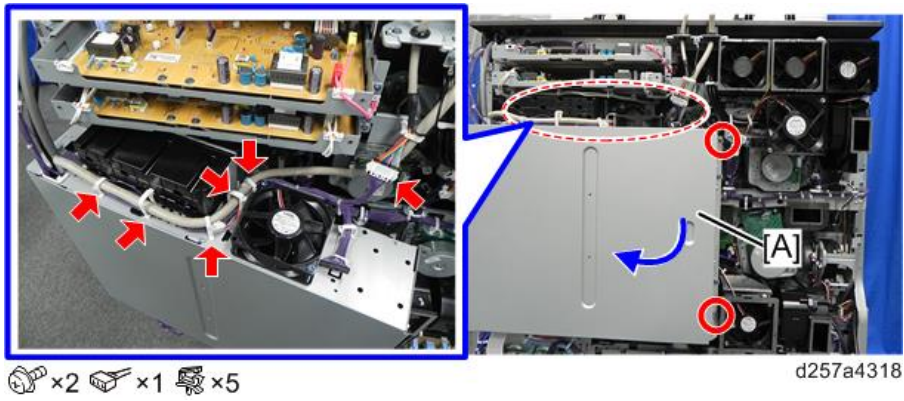
Waste Toner Lock Sensor

1. Remove the waste toner lock sensor [A].

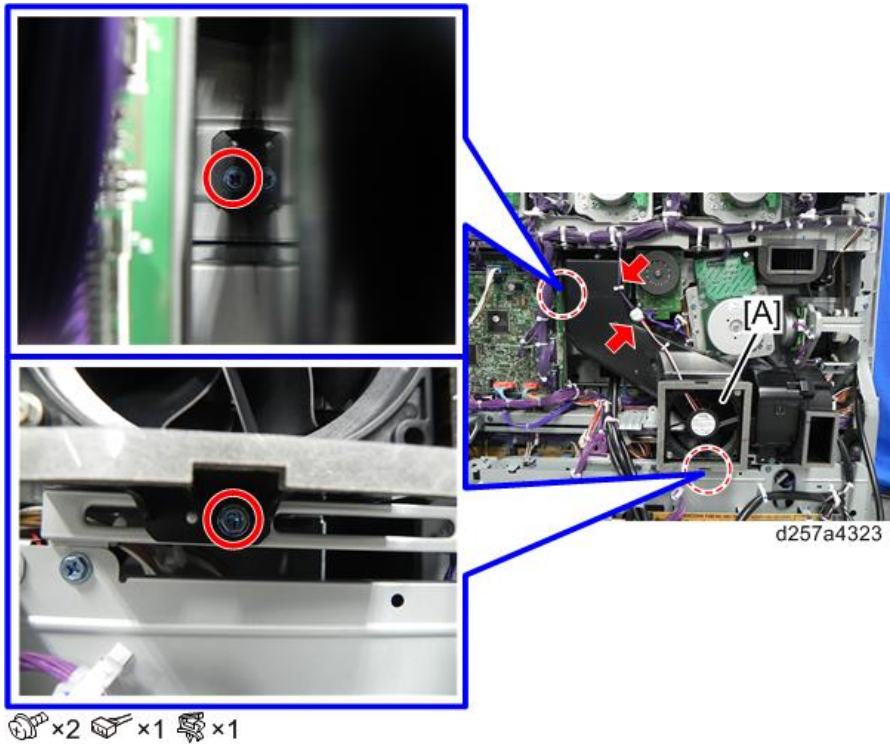


Fusing Belt Smoothing Roller Drive Motor (Pro C5200S/C5210S)

- 1.** Open the controller box [A].

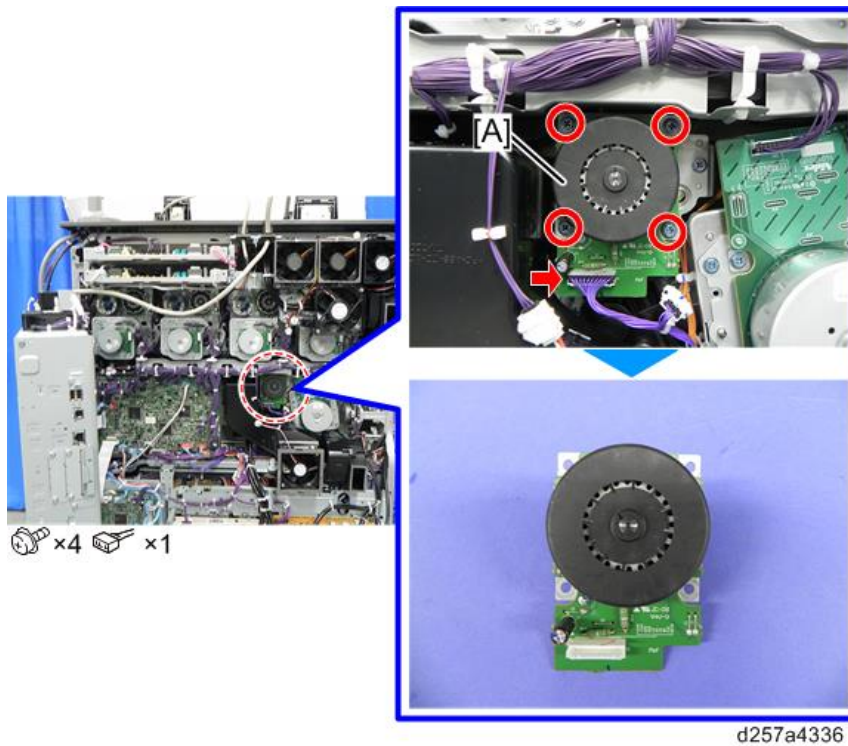


- 2.** Remove the paper transfer belt fusing exhaust fan [A] along with the duct.



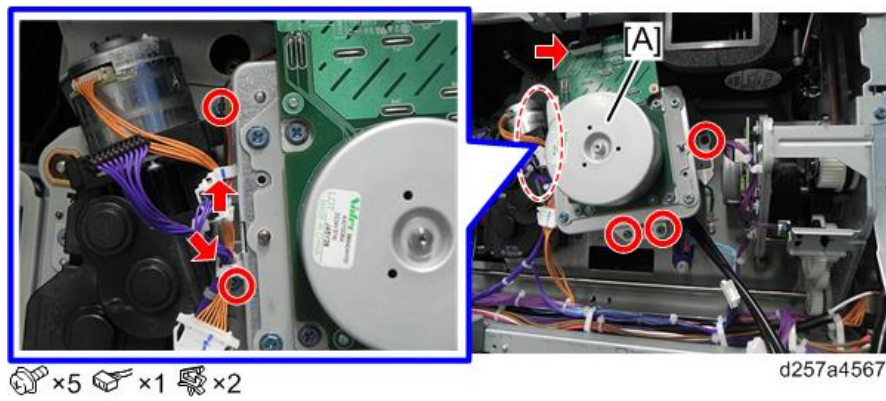
4.Replacement and Adjustment

3. Remove the fusing belt smoothing roller drive motor [A].

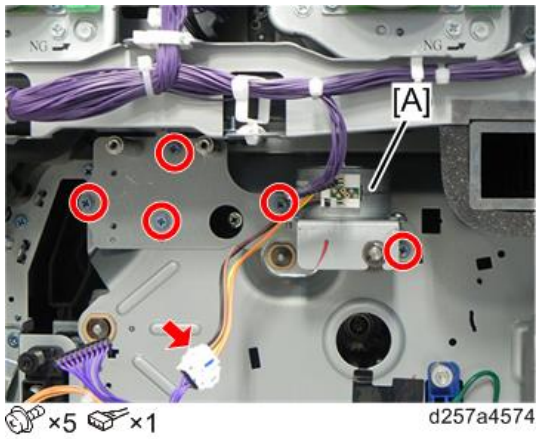


Fusing Belt Smoothing Roller Contact Motor (Pro C5200S/C5210S)

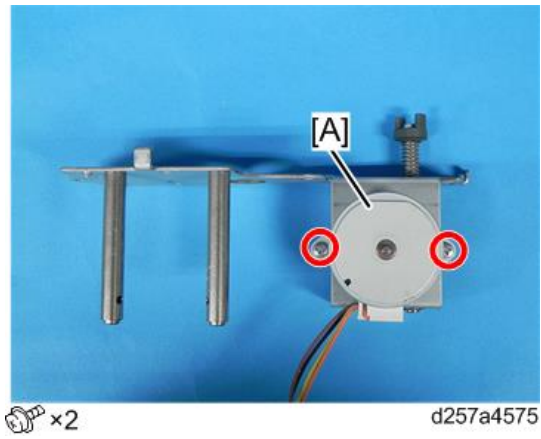
1. Remove the fusing release motor. ([Removing the Fusing Release Motor](#))
2. Remove the fusing drive motor [A] along with the bracket.



- 3.** Remove the fusing belt release roller contact motor [A] along with the bracket.



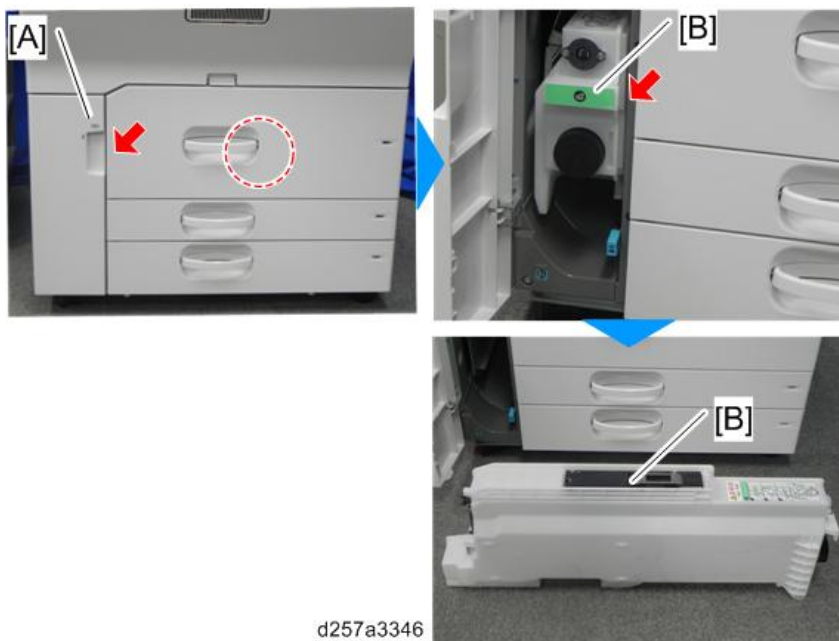
- 4.** Remove the fusing belt release roller contact motor [A] from the bracket.



Waste Toner Collection

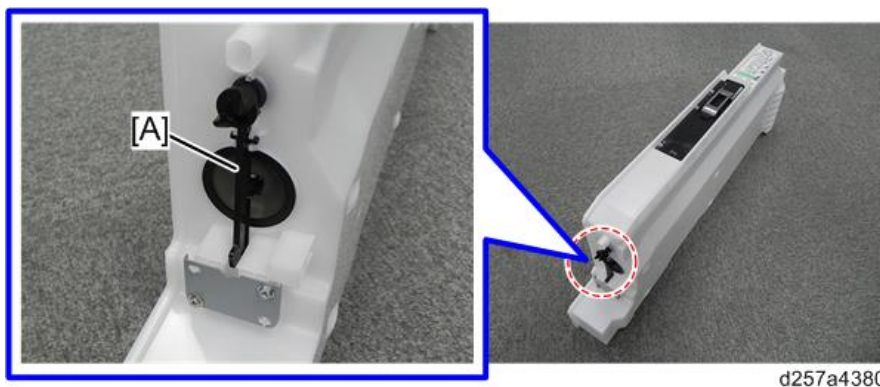
Waste Toner Bottle

1. Open the waste toner bottle door [A] and take out the waste toner bottle [B], holding the bottle at the decal location.



⚠ CAUTION

- To prevent the waste toner from spilling from the rear side [A], do not tilt the bottle towards the rear when replacing the waste toner bottle.



★ Important

- Replace the waste toner bottle while the main power is ON.
- If the waste toner bottle is replaced while the main power is OFF, the main machine cannot recognize that the waste toner bottle is replaced. In this case, the waste toner full state or near full state, which has been displayed on the operation panel, may not disappear after the replacement. If the waste toner full state or near full state displayed on the operation panel does not disappear after the replacement, remove and install the waste toner bottle again while the main power is ON.

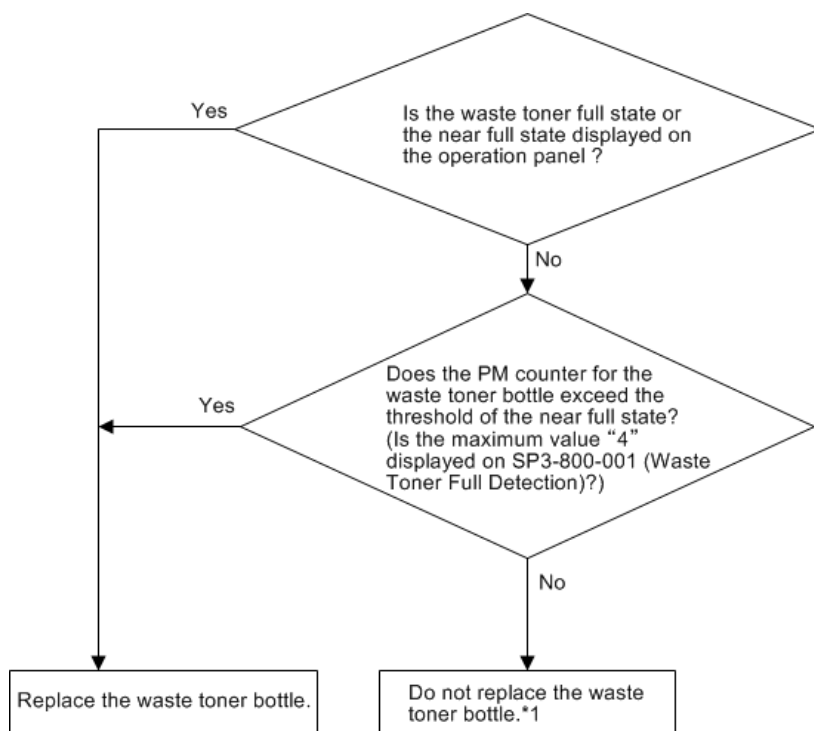
↓ Note

- The PM counter for the waste toner bottle is not reset even when the [New Unit Set] is set to [Yes]

on the [PM Counter/New Unit Set] Menu.

- When the new waste toner bottle is set while the waste toner full is detected, the PM counter for the waste toner bottle is automatically reset. Therefore, there is no need to set to [Yes] on the [PM Counter/New Unit Set] Menu after the replacement.

Flow Chart for the Machine Which Support @Remote Service



w_d257a7587_en

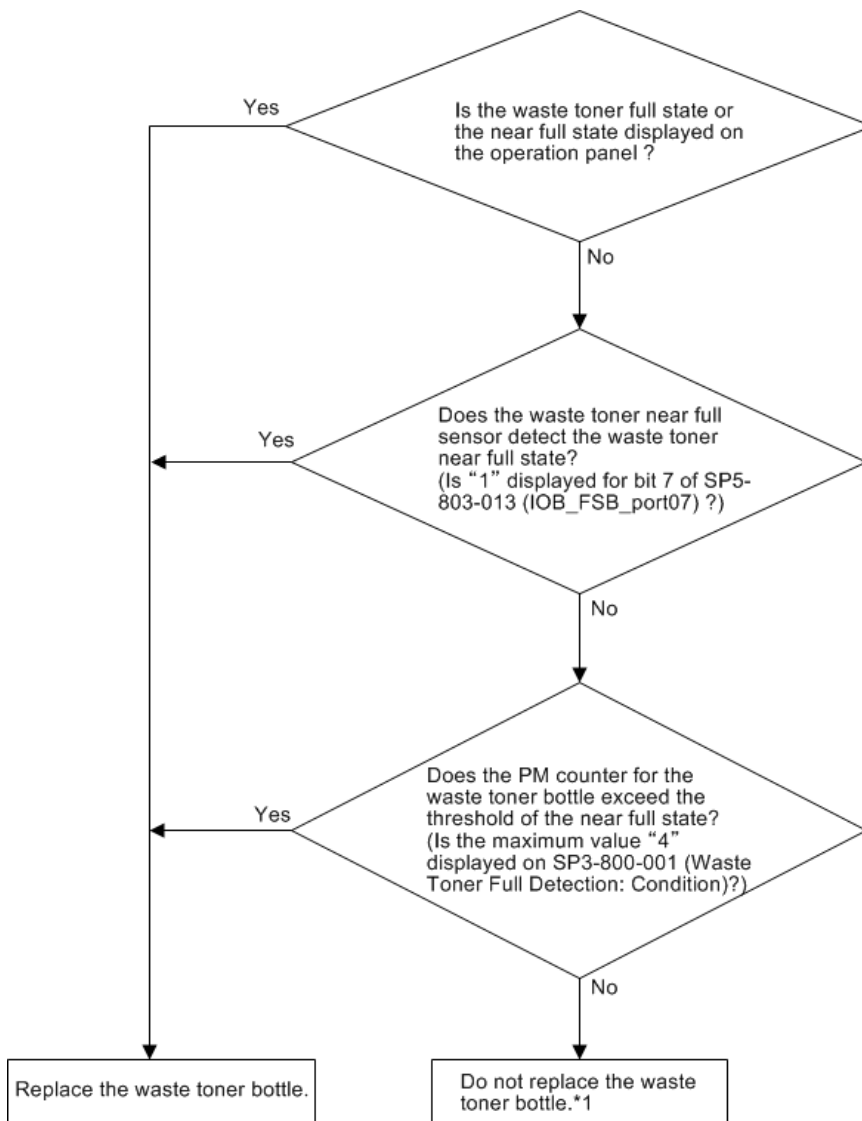
★ Important

- If the waste toner bottle is replaced when the waste toner bottle does not need to be replaced (*1 on the flow chart above), the main machine cannot recognize that the waste toner bottle is replaced. Then the PM counter keeps counting after the replacement. In this case, the waste toner near full state may be reported in an early stage after the replacement.

↓ Note

- When the machine recognize the waste toner bottle replacement, the values of SP3-800-004 (Waste Toner Full Detection: Volume Count 1 After Replacement) and SP3-800-005 (Waste Toner Full Detection: Volume Count 2 After Replacement) are reset to "0". After that, the value of SP3-800-004 or SP3-800-005 is started to count up by using the OPC drum rotation as a trigger when the image is printed.
- If the value of neither SP3-800-004 nor SP3-800-005 is not counted up after printing the image, this means that the main machine does not recognize the waste toner bottle replacement. In this case, remove and install the waste toner bottle while the main power is ON. Then check the SP values of SP3-800-004 or SP3-800-005.

Flow Chart for the Machine Which Does Not Support @Remote Service



w_d257a7588_en

★ Important

- If the waste toner bottle is replaced when the waste toner bottle does not need to be replaced (*1 on the flow chart above), the main machine cannot recognize that the waste toner bottle is replaced. Then the PM counter keeps counting after the replacement. In this case, the waste toner near full state may be reported in an early stage after the replacement.

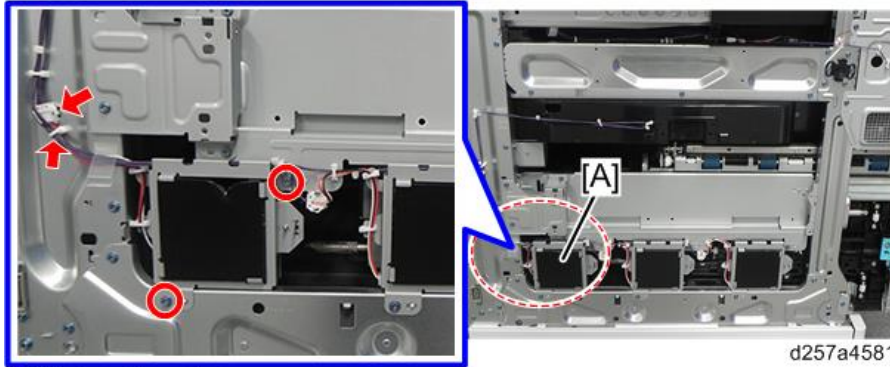
↓ Note

- When the machine recognize the waste toner bottle replacement, the values of SP3-800-004 (Waste Toner Full Detection: Volume Count 1 After Replacement) and SP3-800-005 (Waste Toner Full Detection: Volume Count 2 After Replacement) are reset to "0". After that, the value of SP3-800-004 or SP3-800-005 is started to count up by using the OPC drum rotation as a trigger when the image is printed.
- If the value of neither SP3-800-004 nor SP3-800-005 is not counted up after printing the image, this means that the main machine does not recognize the waste toner bottle replacement. In this case, remove and install the waste toner bottle while the main power is ON. Then check the SP values of SP3-800-004

or SP3-800-005.

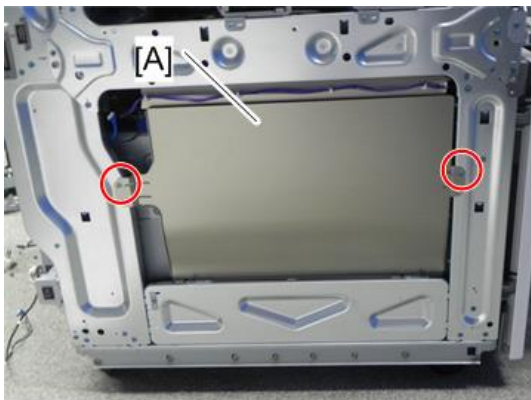
Waste Toner Bottle Unit

1. Remove the left cover. (Left Cover)
2. Remove the rear cover. (Rear Cover)
3. Remove the duplex inverter motor. (Duplex Inverter Motor)
4. Remove the duplex exhaust fan (rear) [A].



x2 x1 x1

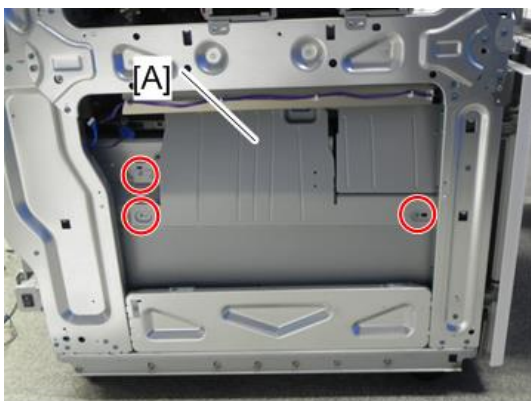
5. Remove the guide plate [A].



x2

d257a3200

6. Remove the bracket [A].

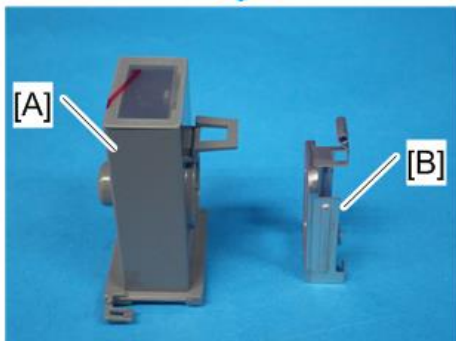
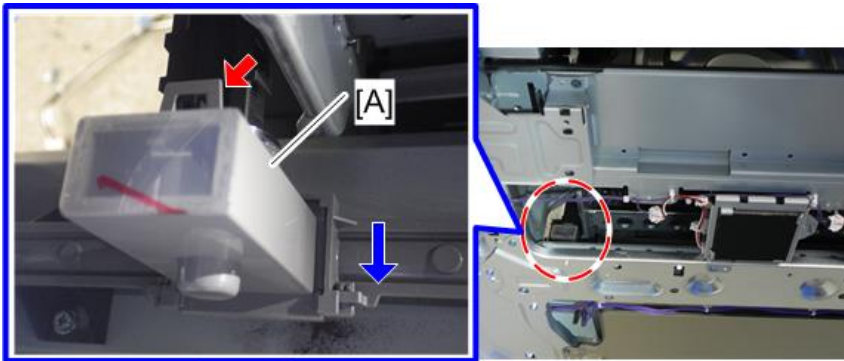


x3

d257a3201

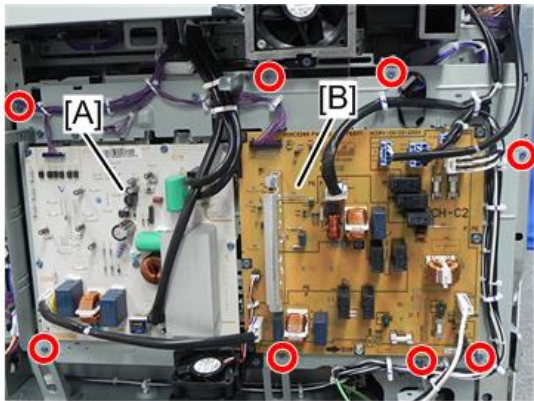
4.Replacement and Adjustment



7. Release the pawls, and pull the relay duct [A] and the swinging plate [B] to remove them.



d257a3202

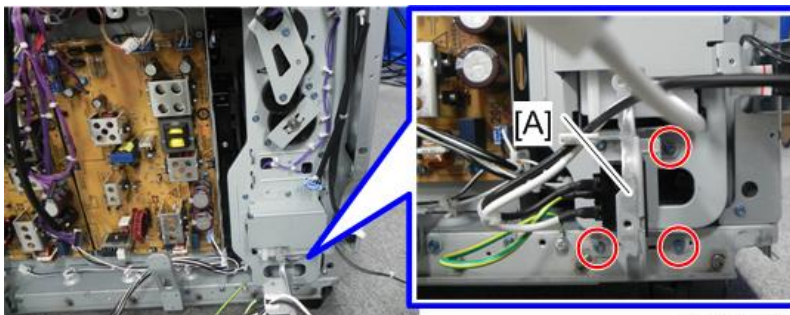
8. Remove the IH inverter [A] and AC drive board [B] along with the bracket.



 x8  xall  xall

d257a4532

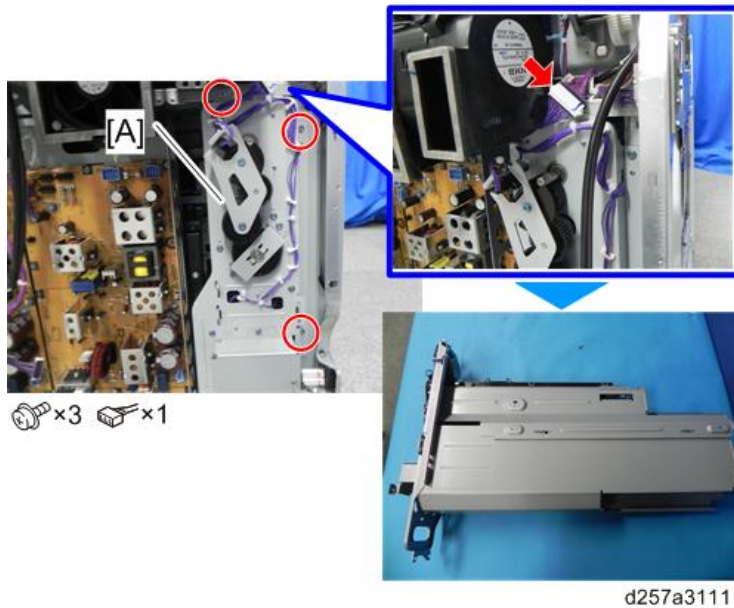
9. Remove the bracket [A].



 x3

d257a3112

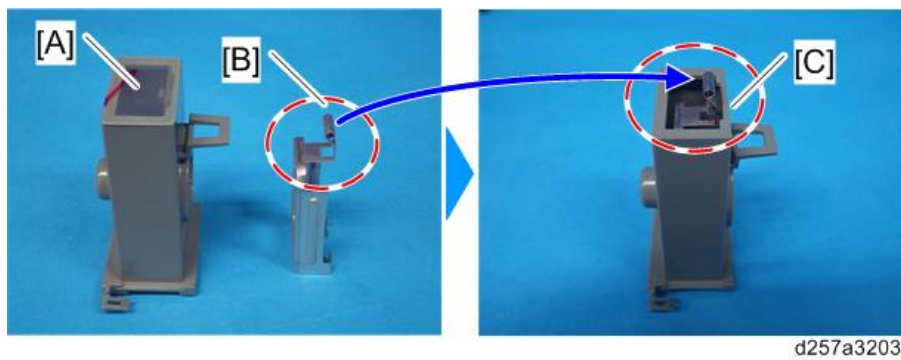
- 10.** Pull out the waste toner bottle unit [A].



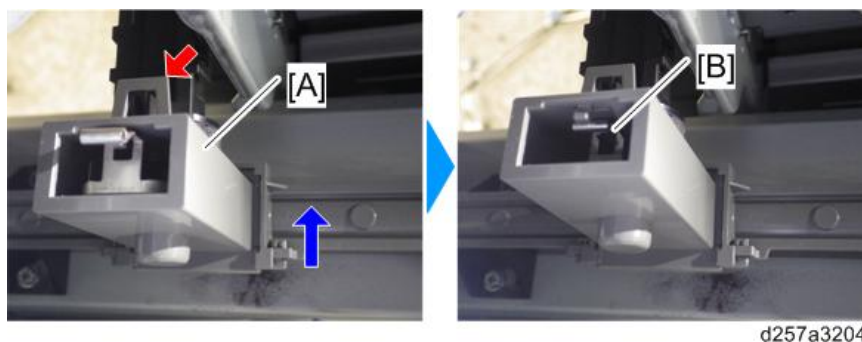
Installing the Relay Duct

Install the relay duct and swinging plate using the following procedure.

- 1.** Remove the relay duct seal [A] and hook the cutout [B] onto the relay duct [C].

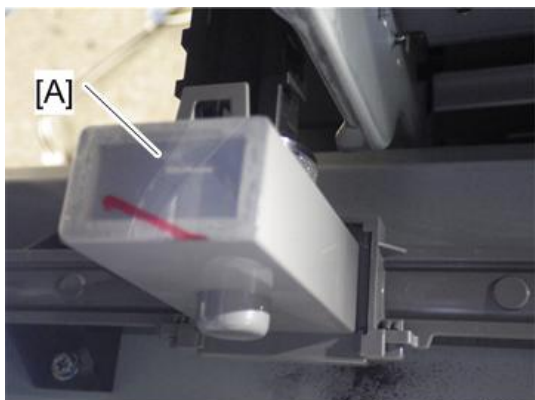


- 2.** Attach the relay duct [A] to the waste toner bottle unit, and drop the swinging plate [B] into the unit.



4.Replacement and Adjustment

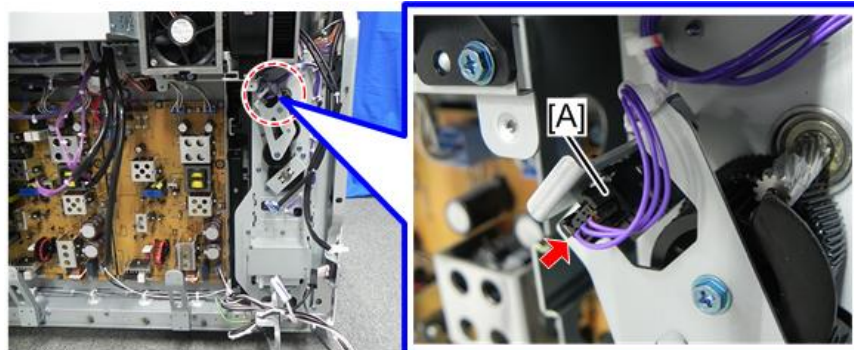
3. Clean the attachment surface with alcohol and attach a seal [A].



d257a3205

Waste Toner Bottle Motor Sensor

1. Remove the IH inverter [A] and AC drive board [B] along with the bracket. (PSU1, PSU2)
2. Remove the waste toner bottle motor sensor [A].

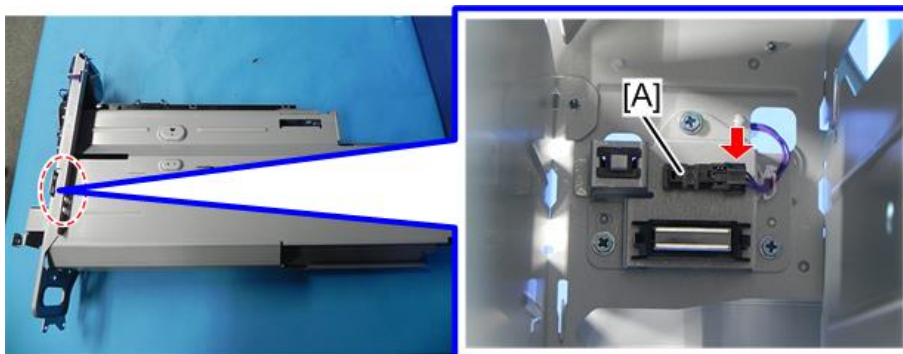


 x1

d257a4517

Waste Toner Near Full Sensor

1. Remove the waste toner bottle unit. (Waste Toner Bottle Unit)
2. Remove the waste toner near full sensor [A].



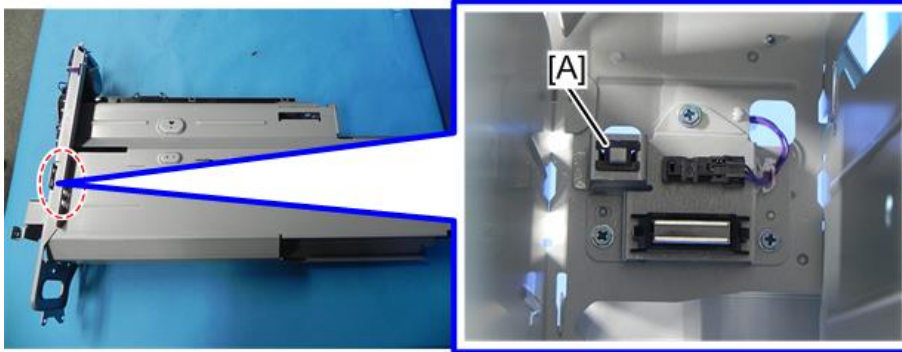
 x1

d257a4576

Waste Toner Bottle Set Sensor

1. Remove the waste toner bottle unit. (Waste Toner Bottle Unit)

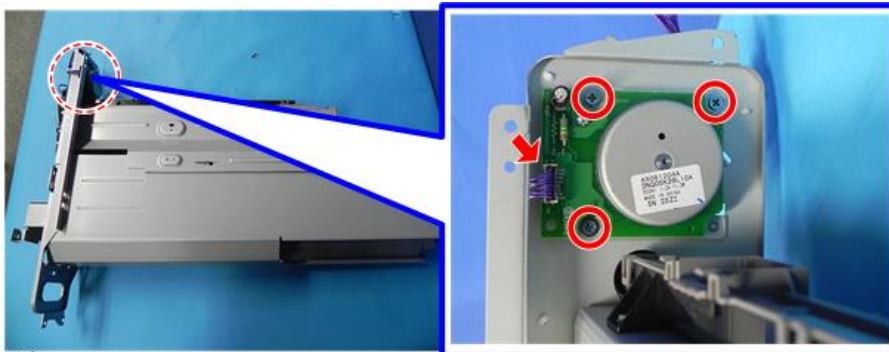
2. Remove the waste toner bottle set sensor [A].



d257a4577

Waste Toner Transport Motor

1. Remove the waste toner bottle unit. (Waste Toner Bottle Unit)
2. Remove the waste toner transport motor [A].





⚙️ x3 🛠️ x1

d257a4578

Apply Grease after Replacing the Waste Toner Transport Motor

After replacing the waste toner transport motor, apply grease to the motor shaft gear (Grease: G-1077).

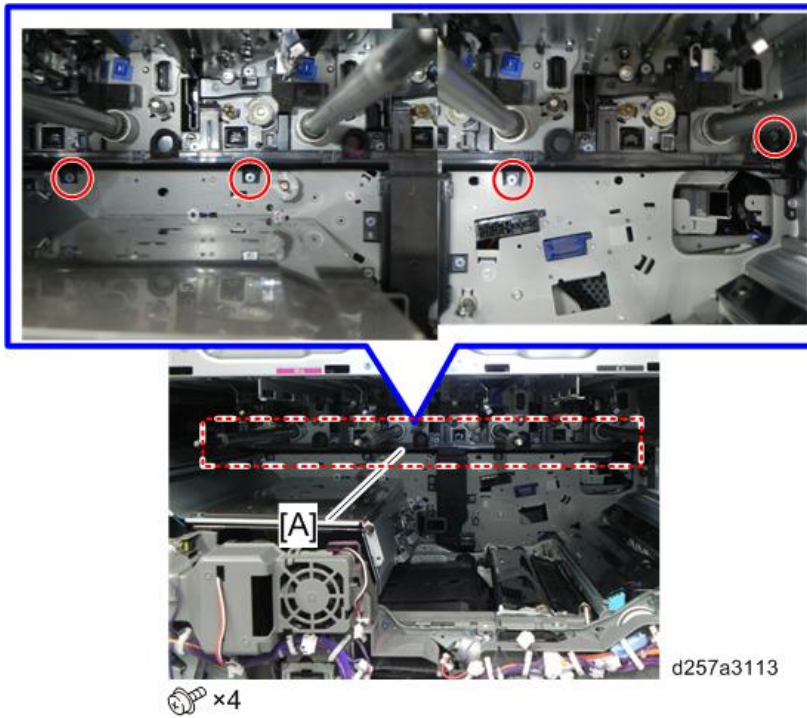
Lower Limit	Upper Limit
 <p style="text-align: center;">d257a3369</p>	 <p style="text-align: center;">d257a3370</p>

Waste Toner Upper Transport

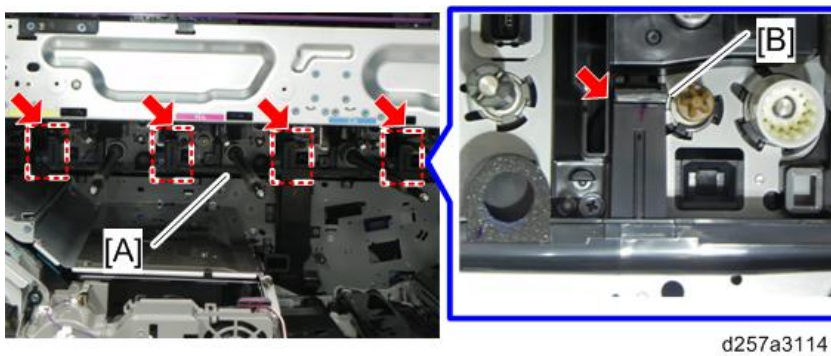
1. Remove the PCDU (four colors). (PCDU)
2. Remove the ITB unit. (ITB Unit Removal)
3. Close the drawer unit.

4.Replacement and Adjustment

4. Remove the fixing screws (×4) of the waste toner upper transport [A].



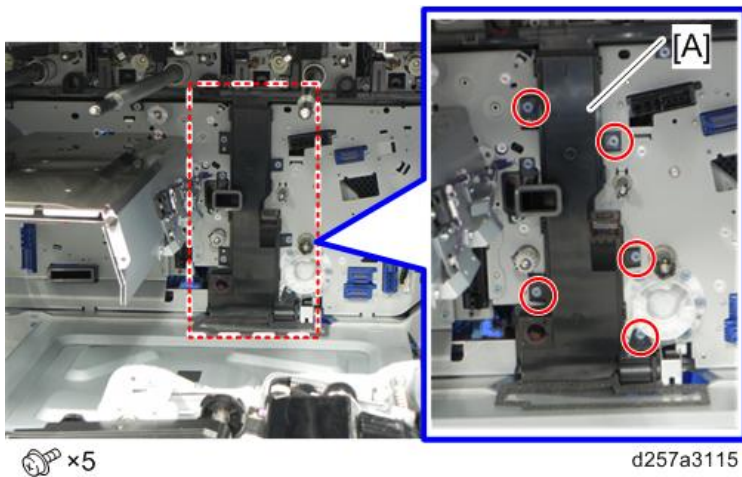
5. Remove the hooks of K [B], M, C and Y in that order, then remove the waste toner upper transport [A].



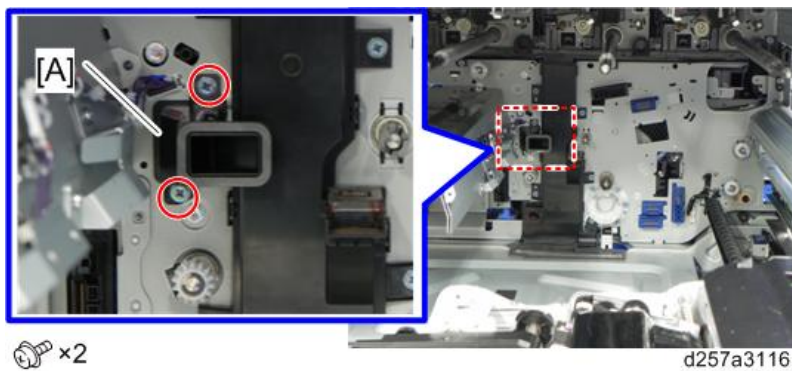
Waste Toner Vertical Transport

1. Remove the PCDU (four colors). ([PCDU](#))
2. Remove the ITB unit. ([ITB Unit Removal](#))

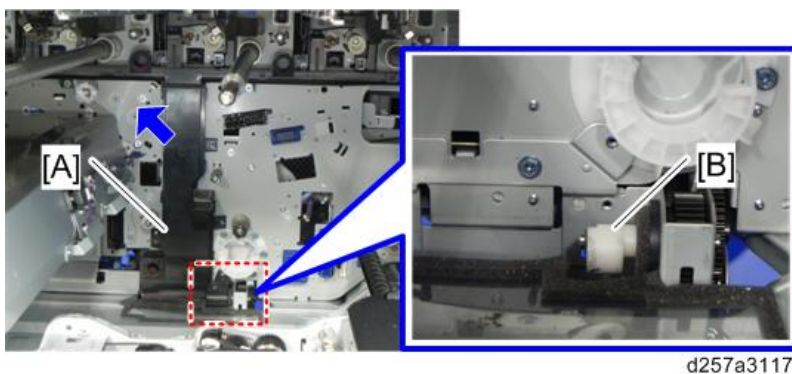
- 3.** Remove the fixing screws of the waste toner vertical transport [A].



- 4.** Remove the duct [A].



- 5.** Because of the cam [B] at the bottom, remove the waste toner vertical transport [A] in the upper-left direction.

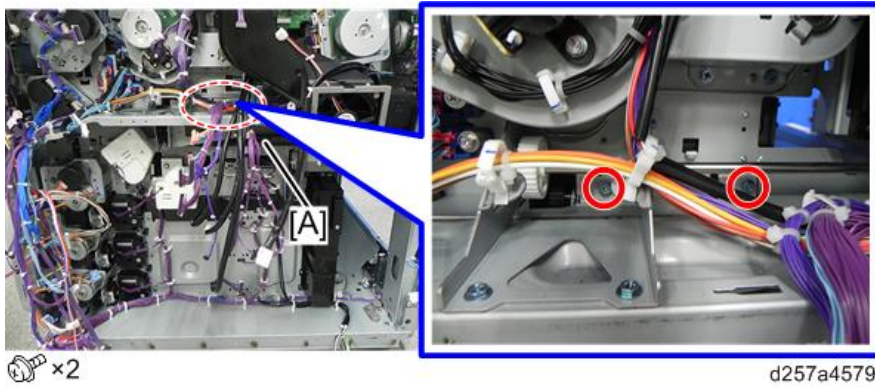


Waste Toner Lower Transport

- 1.** Remove the PSU1/PSU2 along with the bracket. (When removing the motors and sensors that are behind the PSU1 and PSU2)
- 2.** Remove the relay duct with swinging plate. (Waste Toner Bottle Unit)

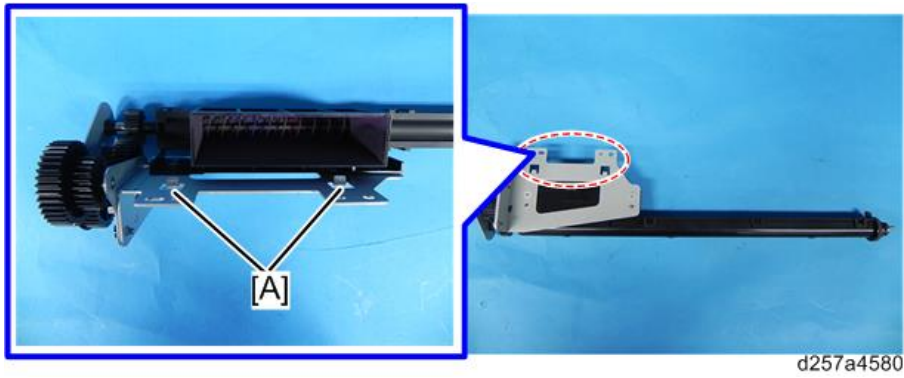
4.Replacement and Adjustment

3. Remove the waste toner lower transport [A].



Note

- Check the position of the hooks [A] in the photo below before removing.

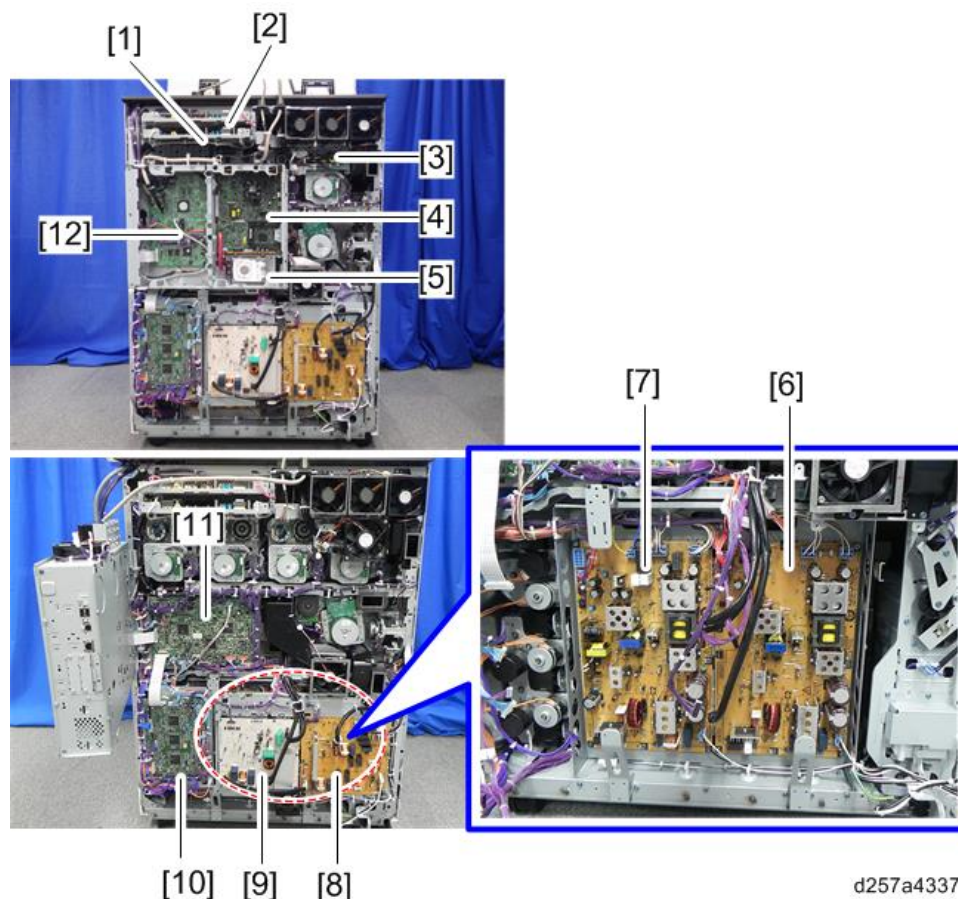


- When installing, first install the waste toner lower transport, then install the relay duct with swinging plate. ([Installing the Relay Duct](#))

Main Boards, and HDD Unit

Layout (Boards)

To replace the electrical components on the back of the machine, first remove the outer cover. ([Rear Cover](#))



d257a4337

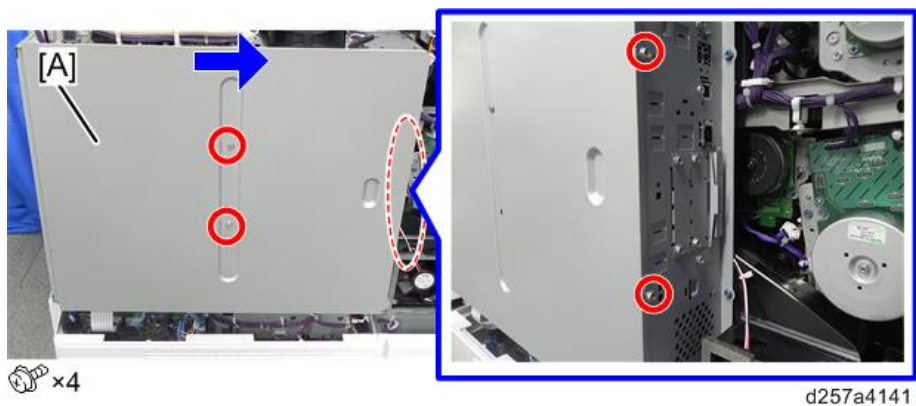
No.	Part Name	Replacement procedure	Remarks
1	Combined High-Voltage Power Supply Board (MY)	Combined High-Voltage Power Supply Board (MY)	
2	Combined High-Voltage Power Supply Board (KC)	Combined High-Voltage Power Supply Board (KC)	
3	Potential Sensor Board	Potential Sensor Board	Located behind the drive exhaust fan
4	Controller Board	Controller Board	
5	HDD Unit	HDD Unit	
6	PSU2	PSU1, PSU2	Located behind the AC drive board/IH inverter
7	PSU1	PSU1, PSU2	Located behind the AC drive board/IH inverter
8	AC Drive Board	AC Drive Board	
9	IH Inverter	IH Inverter	

4.Replacement and Adjustment

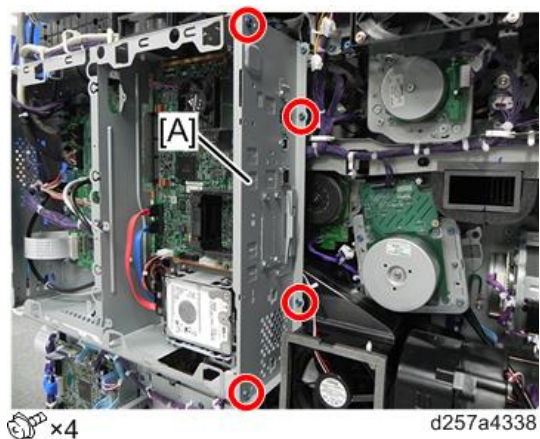
No.	Part Name	Replacement procedure	Remarks
10	PFB	PFB	
11	IOB	IOB	Located behind the controller box
12	BICU	BICU	

Controller Board

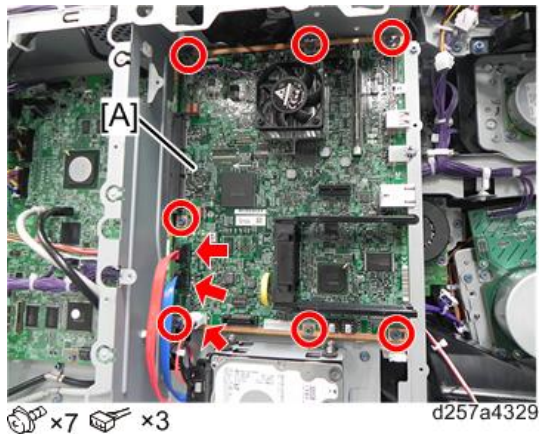
1. Remove the rear middle cover. (Rear Middle Cover)
2. Remove the controller box cover [A].



3. Remove the controller panel plate [A].



4. Remove the controller board [A].



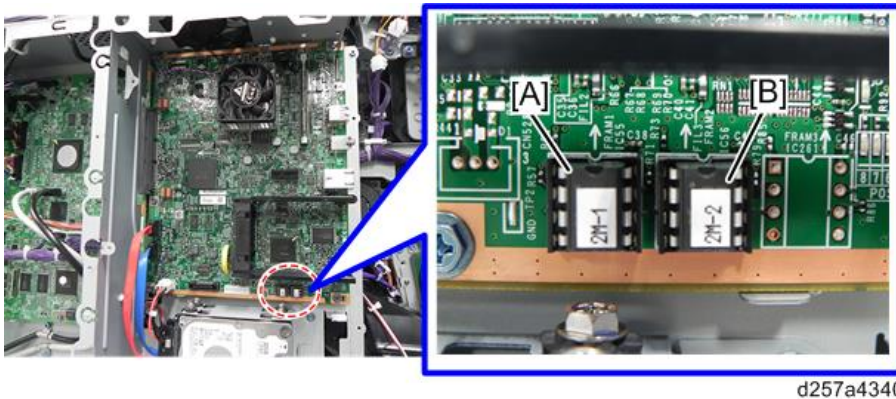
★ Important

- There are two types of controller boards, one for Pro C5210S/MP C8003 SP and one for Pro C5200S/MP C6503 SP. Because there are different part numbers for these two controller boards, when replacing, check the parts catalog to make sure that you install the correct type. If you install the wrong board, the machine will not work.

When installing the New Controller Board

There are two NVRAMs ([A] and [B]) on the controller board. The two NVRAMs are one set. NVRAM [A] is labeled "2M-1", and NVRAM [B] is labeled "2M-2".

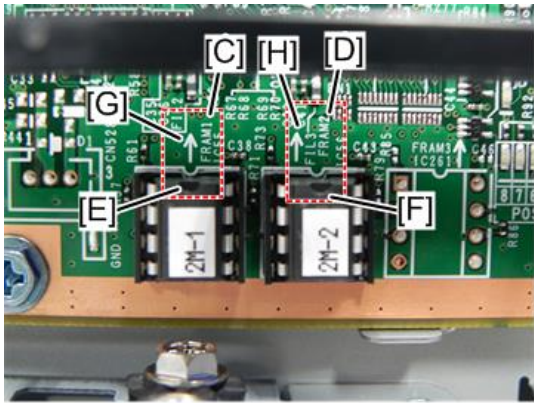
When replacing the controller board, remove the NVRAMs from the old controller board. Then install them at the same position on the new controller board. If this is not done, SC195-00 occurs.



- Install NVRAM (2M-1) in the socket that has "FRAM-1" [C] printed next to it on the controller board. Install so that the indentation [E] on NVRAM (2M-1) is facing the direction of the arrow [G] that is printed on the controller board.
- Install NVRAM (2M-2) in the socket that has "FRAM-2" [D] printed next to it on the controller board. Install so that the indentation [F] on NVRAM (2M-2) is facing the direction of the arrow [H] that is printed on the controller board.

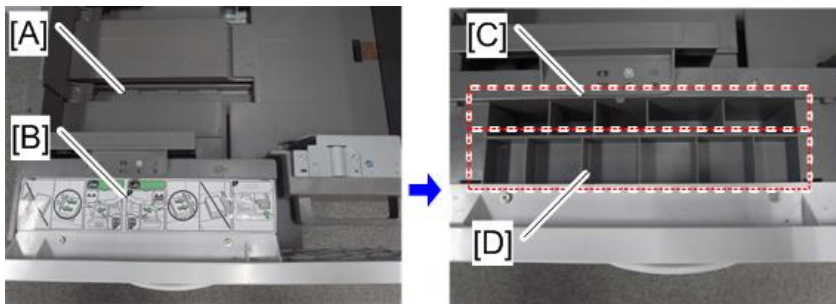
4.Replacement and Adjustment

- Note that if you install incorrectly, both the controller board and NVRAMs will be damaged.



d257a4341

- When replacing the controller board, first, check which ESA applications have been installed. After replacing the controller board, re-install the ESA applications by following the installation instructions for each application.
- After reinstalling the ESA applications, print the SMC (SP-5-990-024/025 (SMC: SDK/Application Info)). Then open the tandem tray [A] and remove the paper set sheet [B]. Store the SMC sheet [C] and the SD card(s) [D] that were used to install the ESA application(s).



d1352741

HDD Unit

The HDD contains two separate hard disks (160 Gigabytes each x2 = 320 Gigabytes).

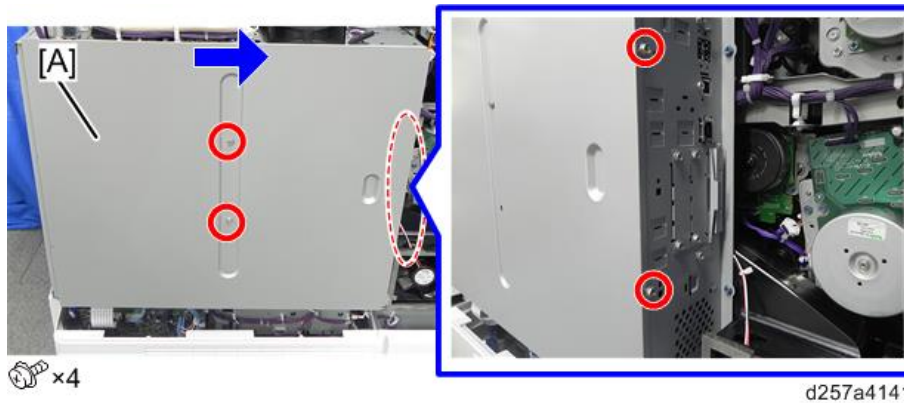
Before replacing the HDD unit, copy the address book data to an SD card from the HDD with SP5846-051 if possible.

★ Important

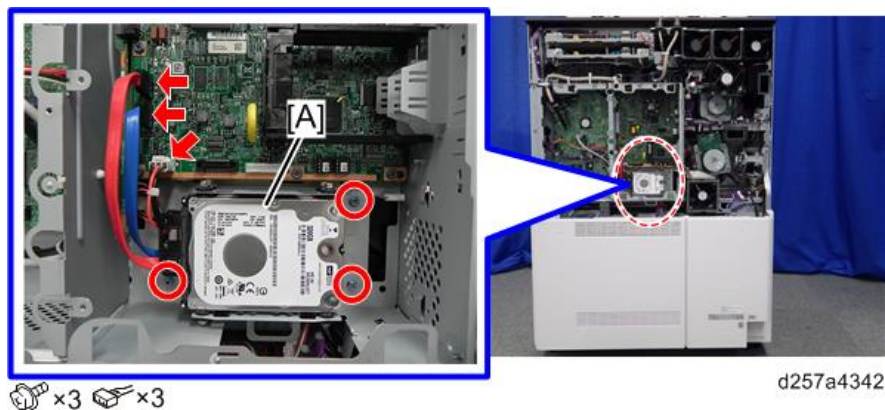
- Never remove an HDD unit from the work site without the consent of the client.
- The two disks are always replaced together as a unit. Never attempt to replace a single disk.

1. Remove the rear middle cover. ([Rear Middle Cover](#))

- 2.** Remove the controller box cover [A].



- 3.** Remove the HDD unit [A].



After Installing the New HDD Unit

- 1.** Do SP5-832-001 to format the hard disk.
- 2.** Do SP5-853-001 to copy the preset stamp data from the firmware to the hard disk.
- 3.** Do SP5-846-052 to copy back the address book to the hard disk from the SD card to which you have already copied the address book data if possible.
- 4.** Turn the main power switch off/on.

★ Important

- Make sure the cables are correctly connected on the controller board.
Red cable: Upper socket
Blue cable: Lower socket
- If the connections are reversed, the machine will issue an error at startup. If it occurs just reconnect the HDD correctly and start again. The HDD will not be damaged by such an incorrect startup.

Disposal of HDD Units

- If the customer has any concerns about the security of any information on the HDD, the HDD must remain with the customer for disposal or safe keeping.
- The HDD may contain proprietary or classified (Confidential, Secret) information. Specifically, the HDD contains document server documents and data stored in temporary files created automatically during copy job

4.Replacement and Adjustment

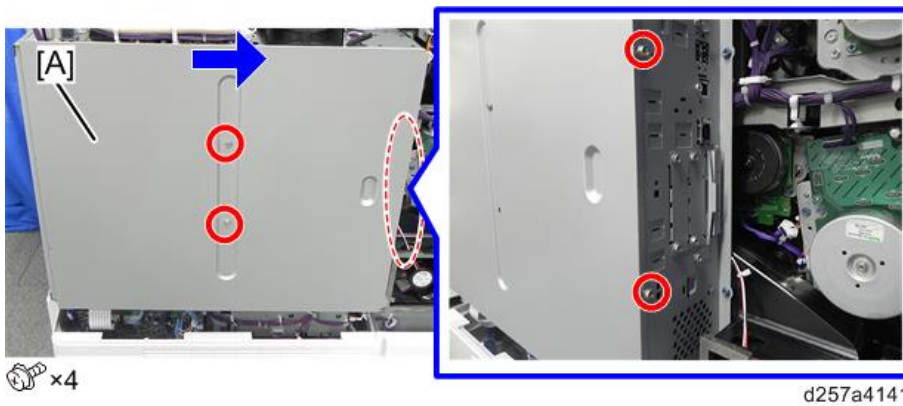
sorting and jam recovery. Such data is stored on the HDD in a special format so it cannot normally be read but can be recovered with illegal methods.

Reinstallation

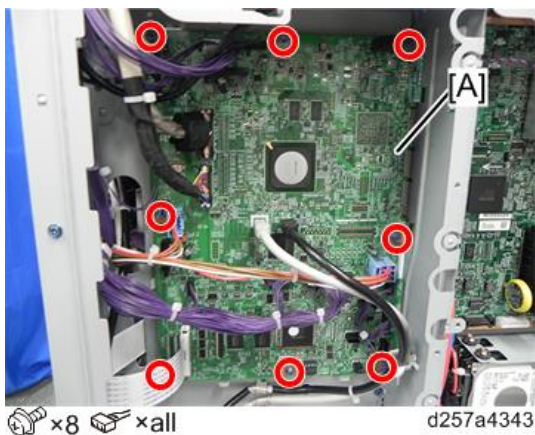
- Explain to the customer that the following information stored on the HDD is lost when the HDD is replaced: document server documents, fixed stamps, document server address book
- The address book and document server documents (if needed) must be input again.
- If the customer is using the Data Overwrite Security, the Data Encryption feature or OCR Scanned PDF, these applications must be installed again.

BICU

1. Remove the rear middle cover. (Rear Middle Cover)
2. Remove the controller box cover [A].

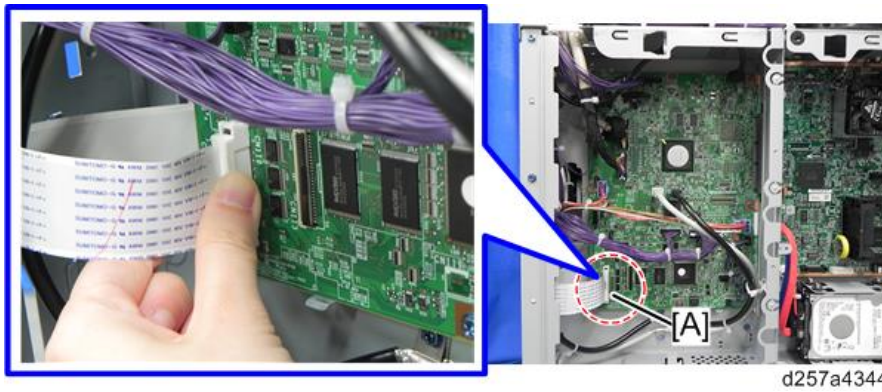


3. Remove the BICU [A].

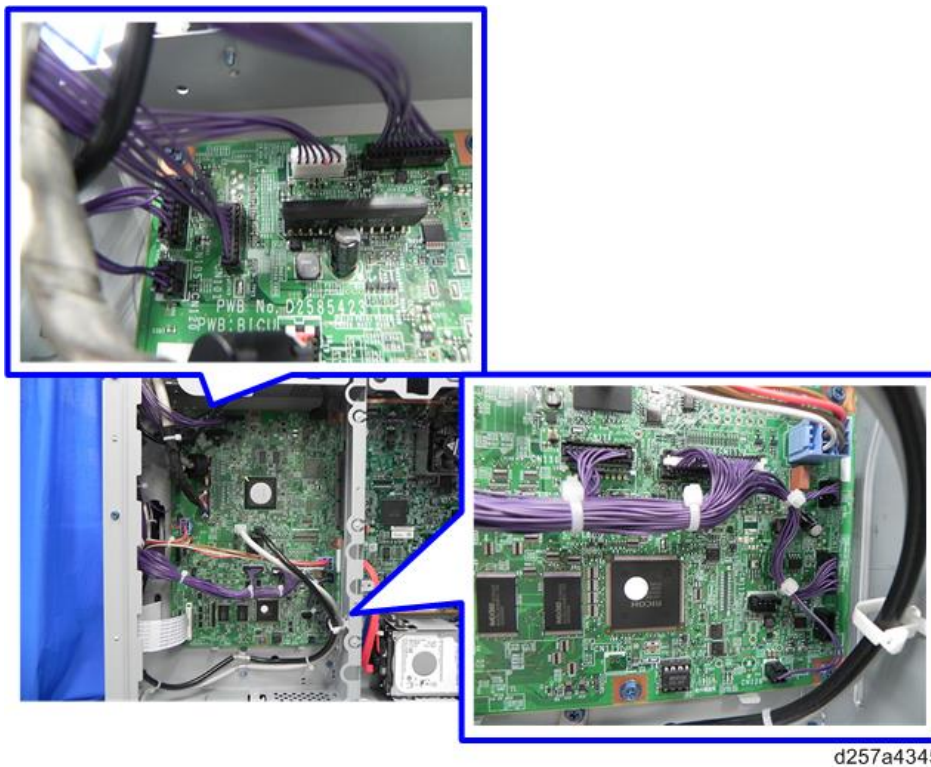


Note

- When disconnecting the connector [A], hold it as shown below.



Wiring path

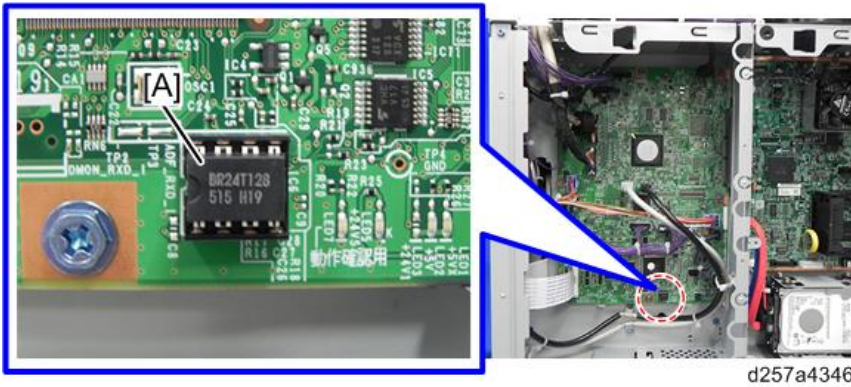


When installing the new BICU

A BICU procured as a service part does not contain the NVRAM (EEPROM) [A].

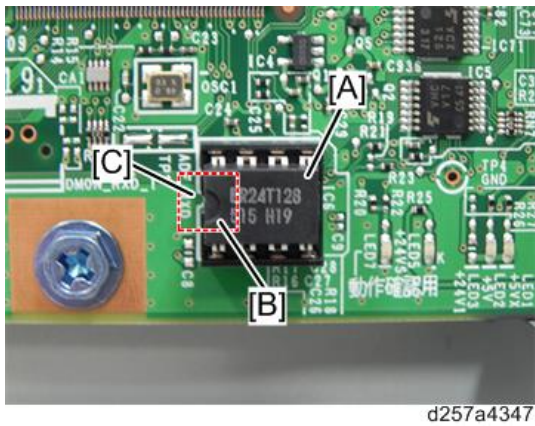
When installing a new BICU procured as a service part, make sure to remove the NVRAM from the old BICU and install it on the new BICU.

4.Replacement and Adjustment



Note

- When installing the NVRAM [A], install it so that the indentation [B] on the NVRAM corresponds with the mark [C] printed on the BICU.



- Incorrect installation of the NVRAM will damage both the BICU and NVRAM.
 - If you forget to install the NVRAM on the new BICU, the machine will not activate and will remain in "Please wait" status even with the main power switch turned on.
- 1.** Turn ON the main power switch and register the machine serial number onto the new BICU by entering the machine serial number in SP5-811-004 (Machine Serial / Set: BICU).
Inputting the wrong serial number will cause the machine to display SC995-001 (CPM set error).
 - 2.** Select the paper size system in SP5-131-001.
0: DOM (Japan)
1: NA
2: EU
 - 3.** Specify the area code in SP5-807-001.
1: DOM (Japan)
2: NA
3: EU
4: TWN
5: AA
6: CHN

Note

- Setting the wrong area code will cause the machine to display SC995-04 (CPM set error).

4. Turn the main power OFF/ON.

NVRAM Replacement Procedure

⚠ CAUTION

- When removing the NVRAM, do not put the NVRAM where static charges are generated. The data stored in the NVRAM might be damaged by the static charges.

There are three NVRAMs in the machine: two are on the controller board, and one is on the BICU.

NVRAM on the Controller Board

- 1.** Make sure that you have the SMC report (factory settings). This report comes with the machine.
- 2.** Print out the SMC data (“ALL”) in SP5-990-001.
- 3.** Turn OFF the main power switch.
- 4.** Insert a blank SD card into slot #2, and then turn on the main power switch.
- 5.** Upload the Address Book Data to the blank SD card in SP5-846-051 (UCS Setting / Back Up All Addr Book).

Note

- **Procedure for MP C6503/C8003 only**

If the Fax Option is installed on the machine, do the following:

- Print out the "Box Setting List". (User Tools -> Facsimile Features -> General Settings -> Box Setting: Print List)
- Print out the "Program Special Sender List". (User Tools -> Facsimile Features -> Reception Settings -> Program Special Sender: Print List)
- Take note of the settings in "User Tools -> Facsimile Features -> Reception Settings".
- Take note of the settings in "User Tools -> Facsimile Features -> Send Settings".

- 6.** Turn OFF the main power switch, and then unplug the AC power cord.
- 7.** Remove the SD card containing the Address Book Data from slot #2.
- 8.** Insert another blank SD card into slot #2, plug in the AC power cord, and then turn on the main power switch.
- 9.** Upload the NVRAM data to the blank SD card in SP5-824-001 (NVRAM Data Upload).

★ Important

- Make sure to note the following SP settings as they will not be automatically uploaded to the SD card. These settings will be input manually in Step 16.
 - SP5-193-001 (External Controller Info. Setting)
0: No external controller, 1: EFI controller
 - SP5-895-001 (Application invalidation / Printer)

4.Replacement and Adjustment

0: Valid, 1: Invalid

- SP5-895-002 (Application invalidation / Scanner)

0: Valid, 1: Invalid

- SP5-985-001 (Device Setting / On Board NIC)

0: Invalid, 1: Valid

- SP5-985-002 (Device Setting / On Board USB)

0: Invalid, 1: Valid

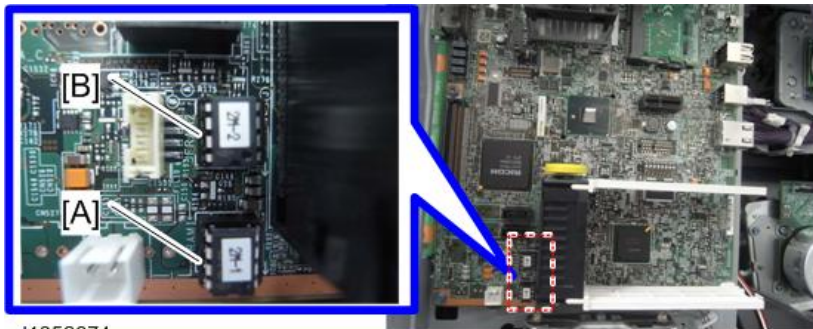
10. Turn OFF the main power switch, and then unplug the AC power cord.

11. Remove the SD card containing the NVRAM data from slot #2.

12. Replace the two NVRAMs on the Controller Board with the new ones.

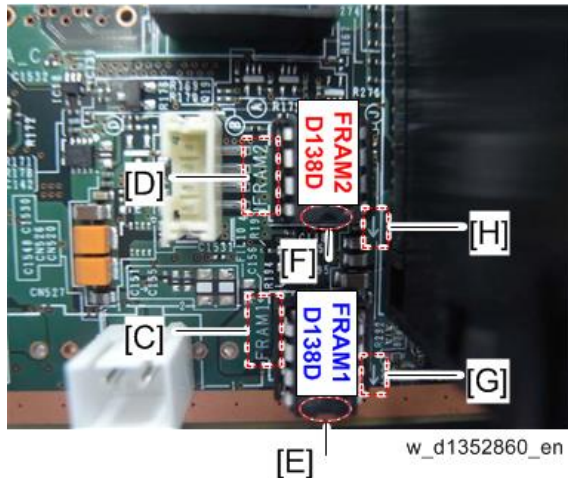
Note

- There are two NVRAMs on the controller board as mentioned in [When installing the New Controller Board](#). Make sure to replace the two NVRAMs as a set.
- NVRAMs [A] and [B] installed on the Controller Board at the factory are labeled "2M-1" and "2M-2" respectively. NVRAMs procured as service parts are labeled "FRAM1/D261E" and "FRAM2/D261E".



- Install NVRAM "FRAM1/D261E" in the socket printed "FRAM-1" [C] on the controller board. Install so that the indentation [E] on the NVRAM faces toward the direction indicated with the arrow [G] printed on the controller board.
- Install NVRAM "FRAM2/D261E" in the socket printed "FRAM-2" [D] on the controller board. Install so that the indentation [F] on the NVRAM faces toward the direction indicated with the arrow [H] printed on the controller board.

- Work carefully to avoid mistakes when installing the NVRAM. Incorrect installation will damage both the NVRAM and controller board.



- 13.** Plug in the AC power cord, and then turn ON the main power switch.

★ Important

- **DO NOT** insert the SD card containing the NVRAM data that you removed in Step 7 before turning on the main switch.
- SC995-02 (Defective NVRAM) will appear when powering on the main power switch, but ignore this SC. **DO NOT** turn off the main power switch. Continue with this procedure.

- 14.** Re-insert the SD card containing the NVRAM data that you removed in Step 7 back into slot #2.

- 15.** Download the old NVRAM data from the SD card onto the new NVRAM in SP5-825-001 (NVRAM Data Download).

↓ Note

- This will take about 2 or 3 minutes.

★ Important

- After the download completes, "Completed. You have to reboot." will appear, but ignore this message and press the "Exit" button. **DO NOT** reboot at this moment.
- SC870-11 (Address Book Data Error) will appear in the banner, but **DO NOT** turn off the main power switch. Continue with this procedure.

- 16.** Input the following SP settings according to the notes took in Step 5.

- SP5-193-001 (External Controller Info. Setting)
- SP5-895-001 (Application invalidation / Printer)
- SP5-895-002 (Application invalidation / Scanner)
- SP5-985-001 (Device Setting / On Board NIC)
- SP5-985-002 (Device Setting / On Board USB)

★ Important

- "Completed. You have to reboot." will appear after inputting each of the above SP settings, but ignore this message and press the "Exit" button. **DO NOT** reboot at this moment.

- 17.** Turn OFF the main power switch. This will take about 3 minutes. Wait until the machine power is turned off completely, and then remove the SD card from slot #2.

4.Replacement and Adjustment

18. Turn ON the main power switch.

19. Insert the SD card containing the Address Book Data removed in Step 11 into slot #2.

20. Execute SP5-846-052 (UCS Setting / Restore All Addr Book) to download the Address Book Data on to the new NVRAM.

Note

- SP5-846-052 will fail, if the settings in SP5-193-001, SP5-985-001 and SP5-985-002 input in Step 16 are incorrect.
- "Completed. You have to reboot." will appear if SP5-846-052 results in success.

21. Turn OFF the main power switch and remove the SD card from slot #2.

22. Turn ON the main power switch.

Note

- **Procedure for MP C6503/C8003 only**

Make sure that the “Reception Settings” and “Send Settings” correspond with the notes took in Step 9. Correct the settings if they are wrong.

23. Print out the SMC data (“ALL”) in SP5-990-001, and make sure that it matches the SMC data printed out in Step 2 (except for the total counter value).

Note

- The total counter value is reset to “0” when the NVRAM is replaced.

24. Do the self-check Process Control.

25. Do ACC for the copier application program.

26. Do ACC for the printer application program.

Important

- If you cannot execute SP5-824-001 (NVRAM Data Upload) and SP5-825-001 (NVRAM Data Download) for some reason, try the following.
 - Restore the settings manually with all the data on the SMC report (factory default setting) provided with the machine.
 - Re-install the Data Overwrite Security function and HDD Encryption feature.

Note

- If the message “SD card for restoration is required.” appears after the NVRAM replacement, restore the encryption key.

NVRAM (EEPROM) on the BICU

Before performing the following procedure, contact your supervisor to obtain information on how to input the machine serial number in the new NVRAM.

1. Make sure that you have the SMC report (factory settings). This report comes with the machine.

2. Print out the SMC data (SP5-990-001).

3. Turn OFF the main power switch.

4. Install an SD card into SD card slot #2 and then, turn on the main power switch.

5. Copy the NVRAM data to an SD card (SP5-824-001).

- 6.** Turn OFF the main power switch, and then unplug the power cord.
- 7.** Replace the NVRAM on the BCIU and put back the covers.
- 8.** Plug in the power cord, and then turn on the main power switch.
- 9.** Select the paper-size system in SP5-131-001 (Paper Size Type Selection).

0: DOM (JAPAN)

1: NA

2: EU

- 10.** Specify the area code in SP5-807-001.

1: DOM (JAPAN)

2: NA

3: EU

4: TWN

5: AA

6: CHN

Note

- Setting the wrong area code will cause the system to display SC995-04(CPM Set Error).

- 11.** Input the machine serial number according to the procedure instructed by your supervisor.

Note

- Inputting an incorrect serial number will cause the system to display SC195-00 (Serial Number Set Error).

- 12.** Turn the main power switch off and on.
- 13.** Copy the data from the SD card to the NVRAM (SP5-825-001).
- 14.** Turn OFF the main power switch, and then remove the SD card from SD card slot #2.
- 15.** Turn ON the main power switch.
- 16.** Specify the SP and UP mode settings, if necessary.
- 17.** Do the self-check Process Control.
- 18.** Do ACC for the copier application program.
- 19.** Do ACC for the printer application program.

Note

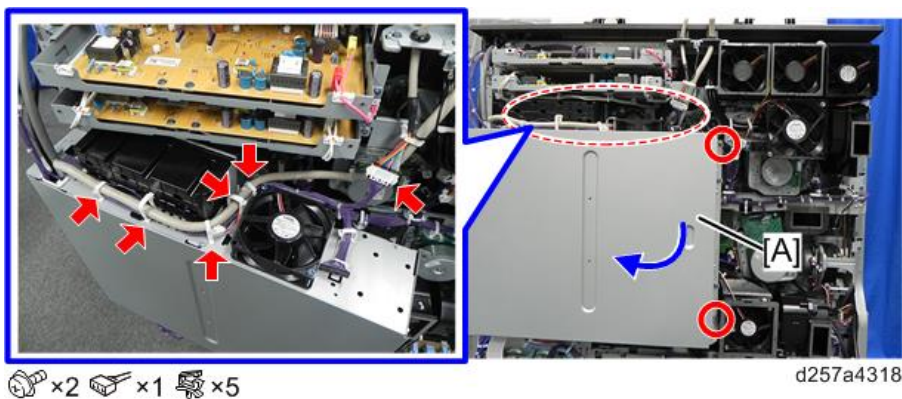
- If the message “SD card for restoration is required.” appears after the NVRAM replacement, restore the encryption key.

IOB

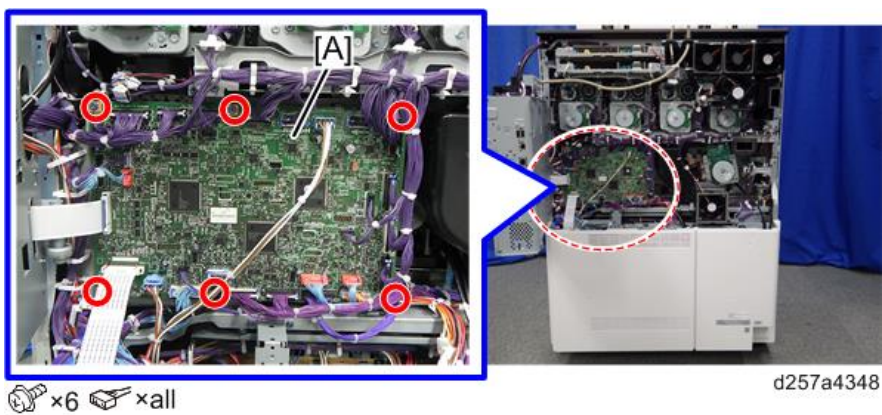
- 1.** Remove the rear middle cover. ([Rear Middle Cover](#))

4.Replacement and Adjustment

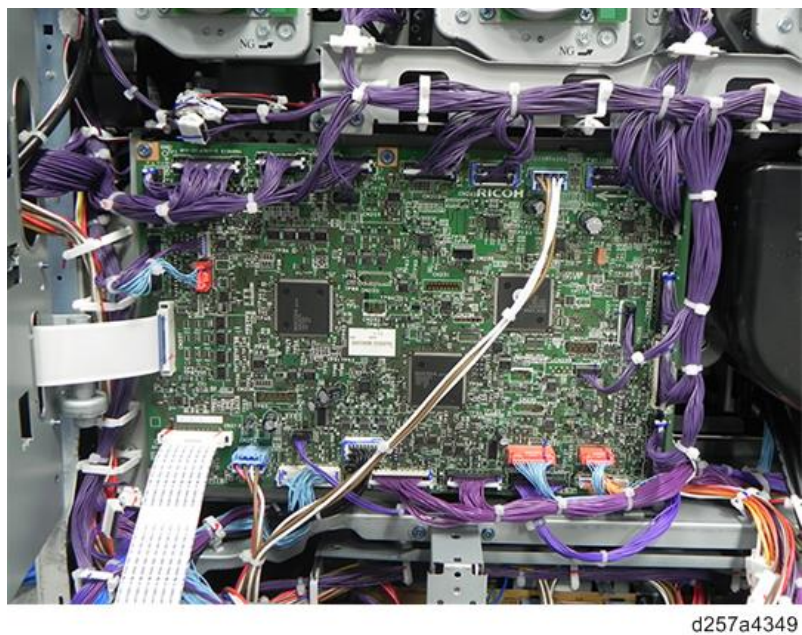
2. Open the controller box [A].



3. Remove the IOB [A].



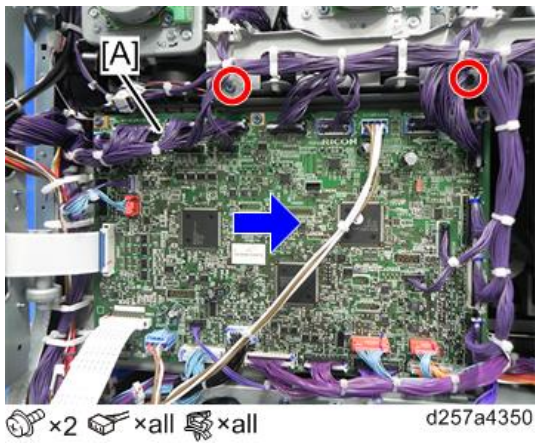
Wiring path



When removing the motors that are behind the IOB

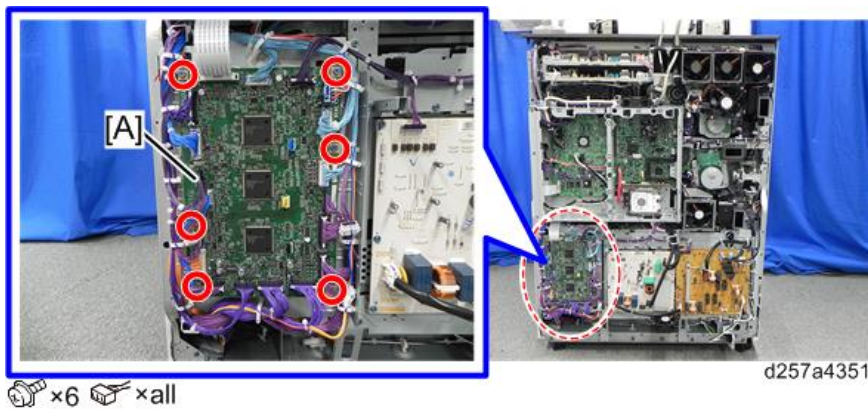
1. Disconnect all connectors on the IOB.

2. Remove the IOB [A] along with the bracket by sliding it to the right.



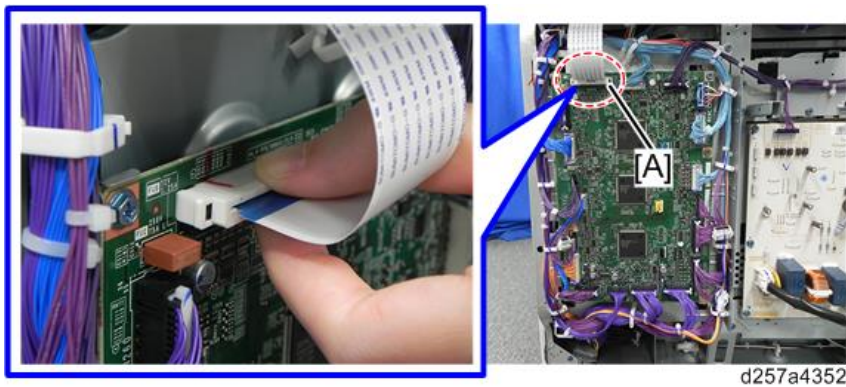
PFB

1. Remove the rear lower cover. (Rear Lower Cover)
2. Remove the PFB [A].



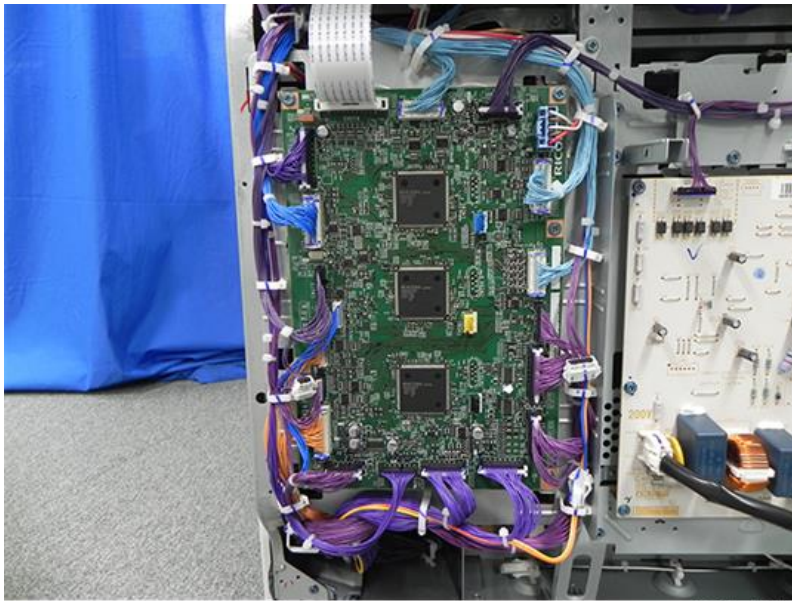
Note

- When disconnecting the connector [A], hold it as shown below.



4.Replacement and Adjustment

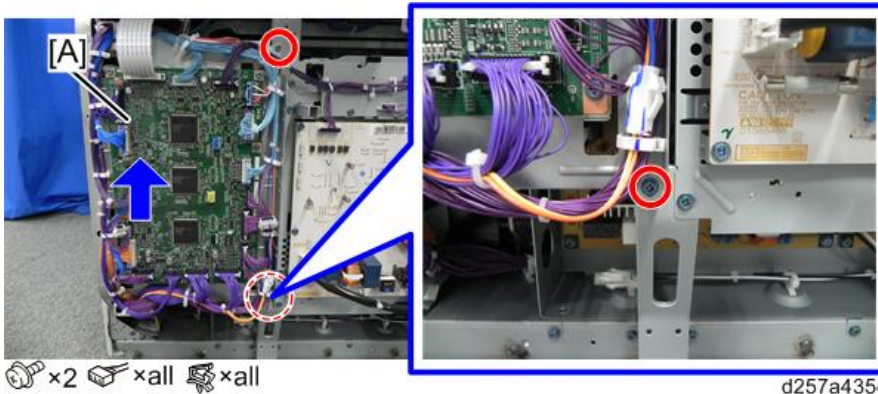
Wiring Path



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When removing the motors that are behind the PFB

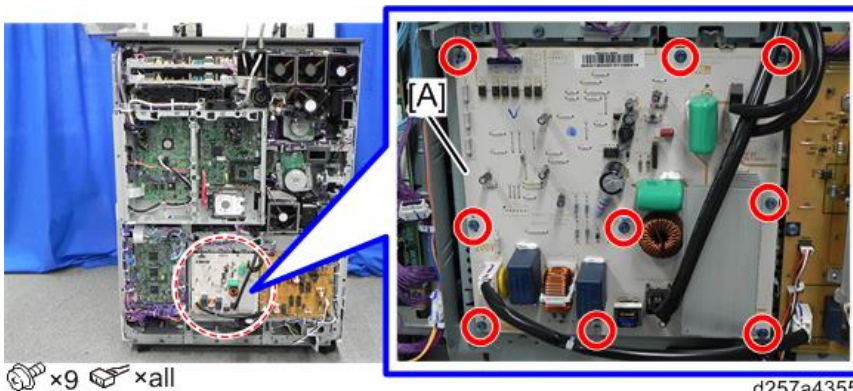
1. Remove the PFB [A] along with the bracket by sliding it upwards.



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IH Inverter

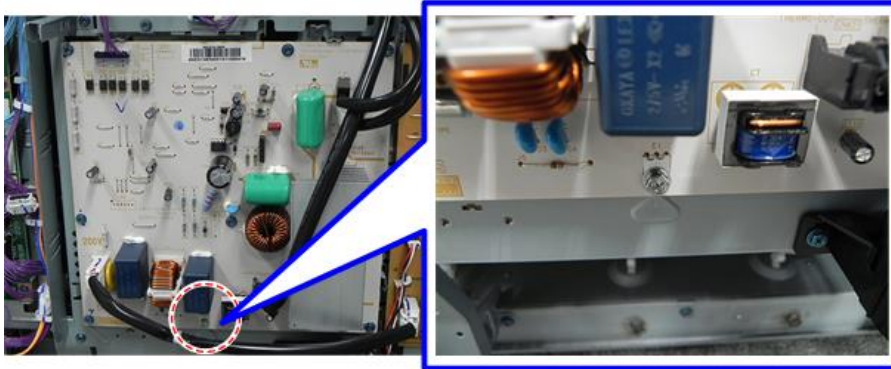
1. Remove the rear lower cover. (Rear Lower Cover)
2. Remove the IH inverter [A].



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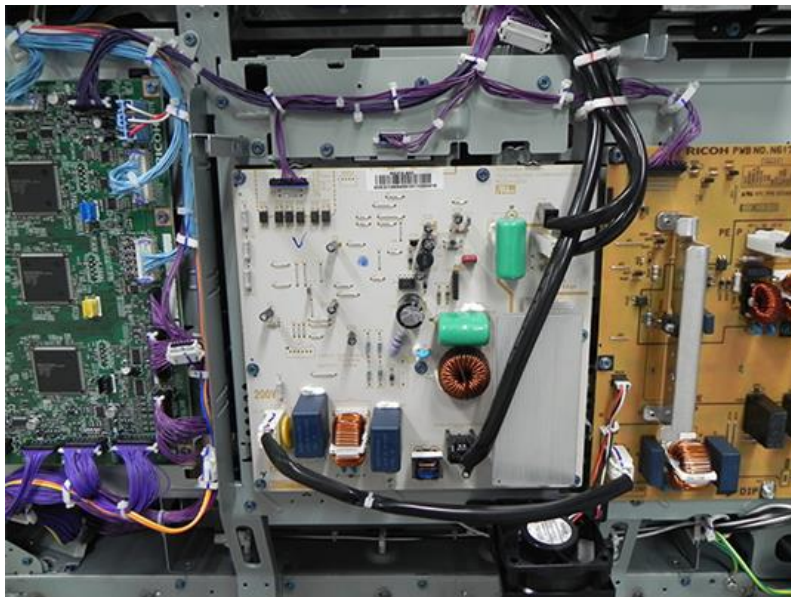
Note

- The screw in the picture below is a screw with a washer, different from the others.



d257a4356

Wiring path



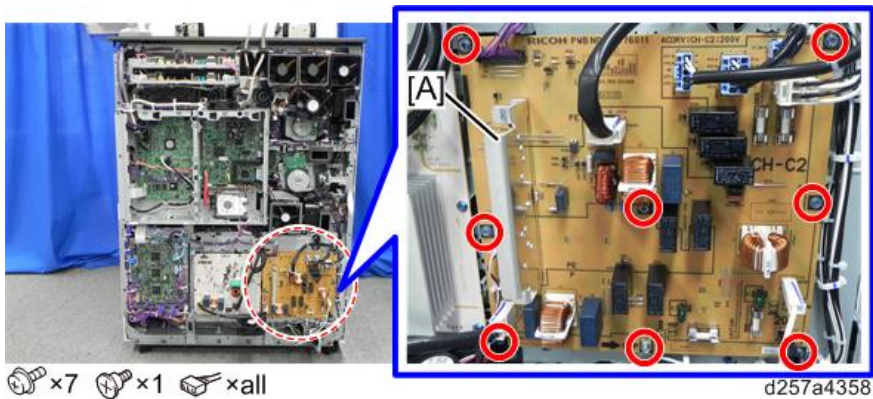
d257a4357

AC Drive Board

- 1.** Remove the rear lower cover. ([Rear Lower Cover](#))

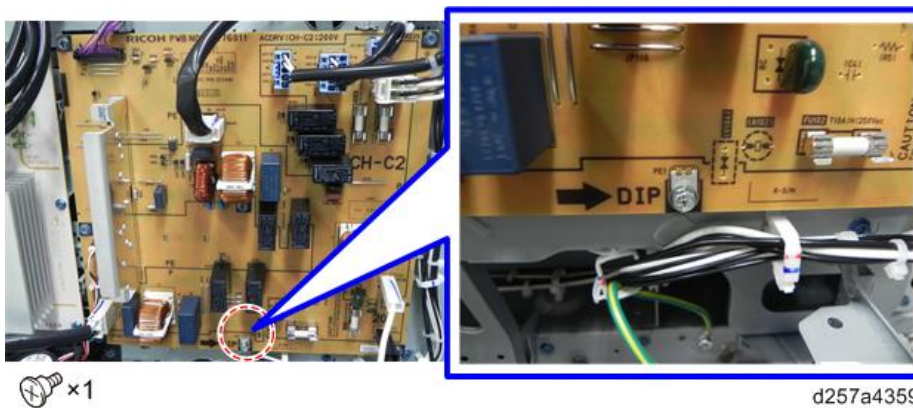
4.Replacement and Adjustment

2. Remove the AC drive board [A].

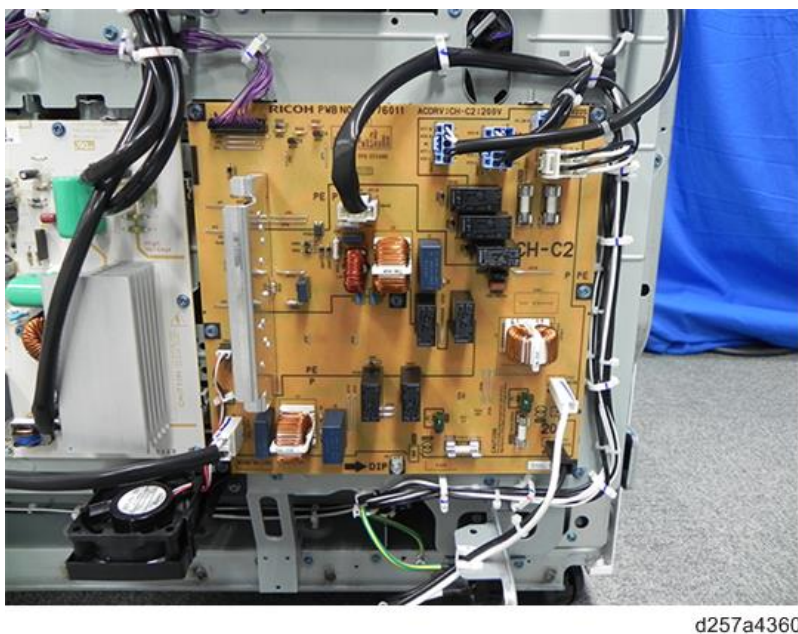


Note

- A shoulder screw is used at the location highlighted in the picture below, which is a different type from the others.



Wiring path



PSU1, PSU2

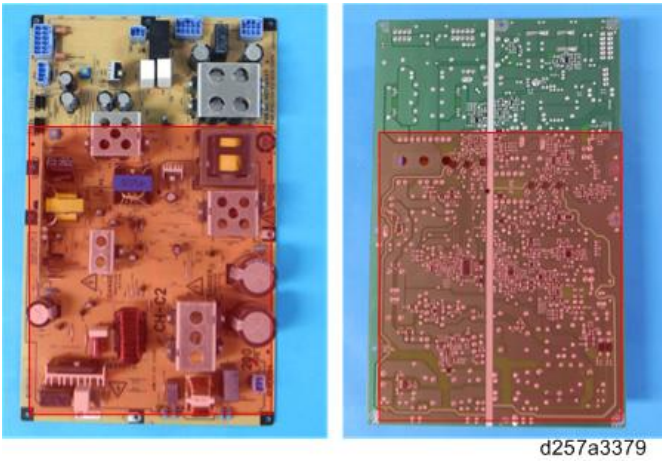
⚠ CAUTION

NEVER touch the areas outlined in red in the photos below. This is to prevent electric shock caused by residual charge.

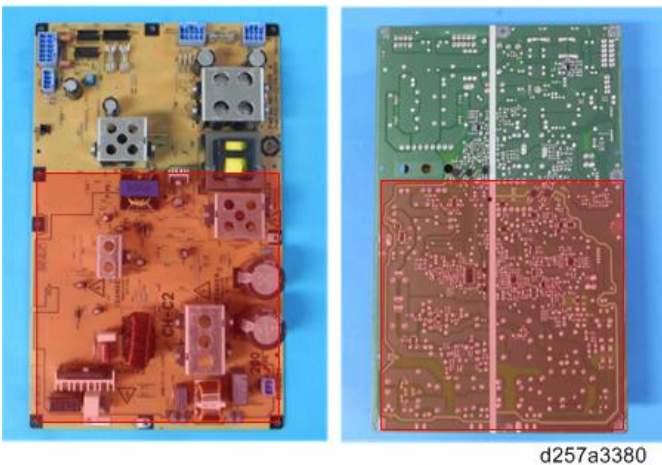
A residual charge of about 100V-400V remains in the AC circuits on the PSU board for several months, even when the board has been removed from the machine after turning off the machine power and unplugging the power cord.

The procedure to discharge residual charge from the machine by unplugging the power cord from the AC wall outlet and pressing the main power switch works only for the DC circuits on this board. Residual charge remains in the AC circuits.

PSU1

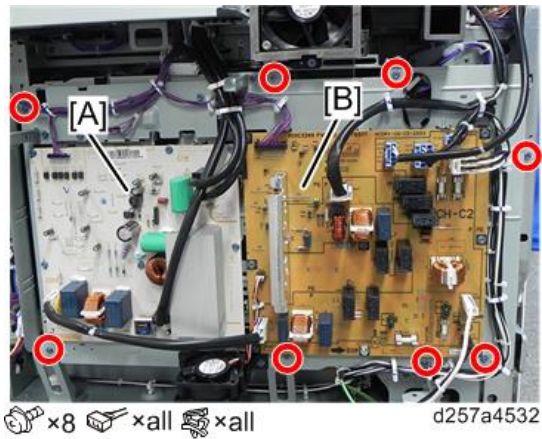


PSU2

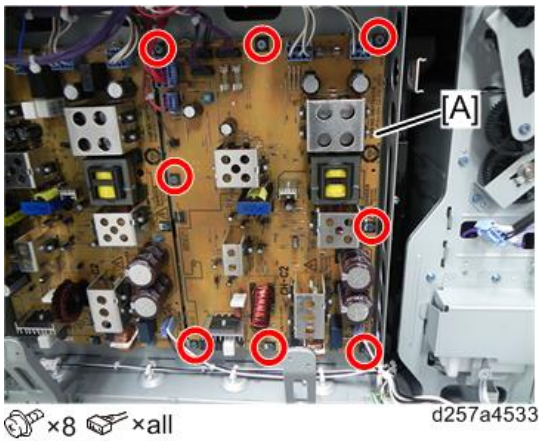


4.Replacement and Adjustment

1. Remove the IH Inverter [A] and AC drive board [B] along with the bracket.

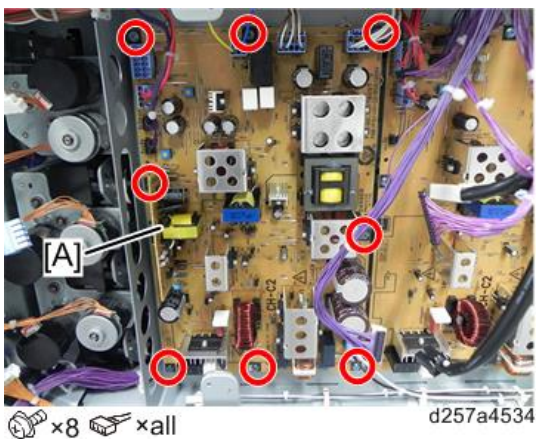


2. Remove the PSU2 [A].



3. Remove the PFB along with the bracket. (When removing the motors that are behind the PFB)

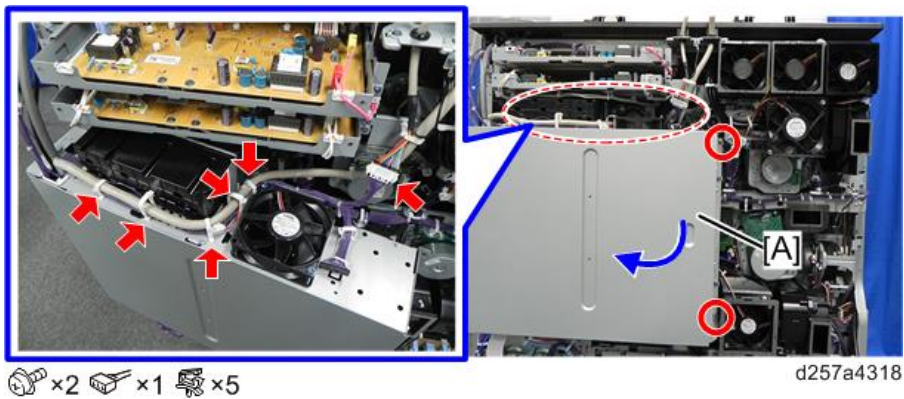
4. Remove the PSU1 [A].



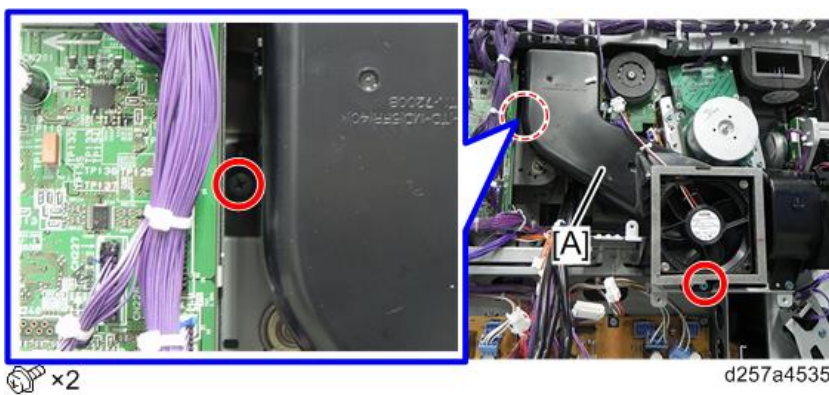
When removing the motors and sensors that are behind the PSU1 and PSU2

1. Remove the rear lower cover. (Rear Lower Cover)

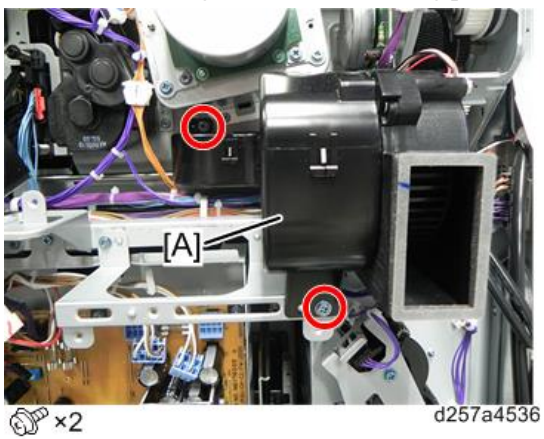
2. Open the controller box [A].



3. Remove the fixing screws of the paper transfer belt fusing exhaust fan [A].

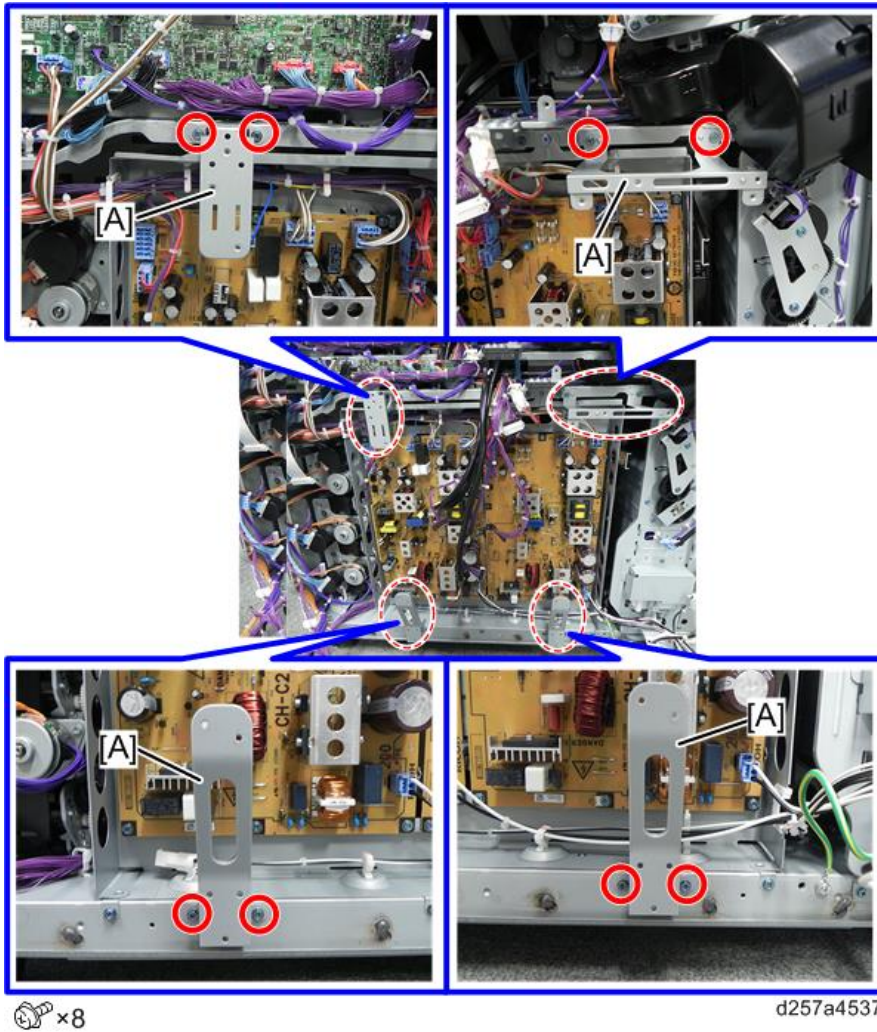


4. Remove the fixing screws of the fusing pressure roller exhaust fan [A]. (Pro C5200S/C5210S only)

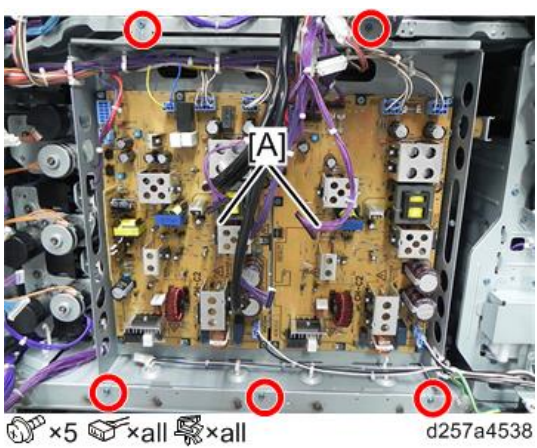


4.Replacement and Adjustment

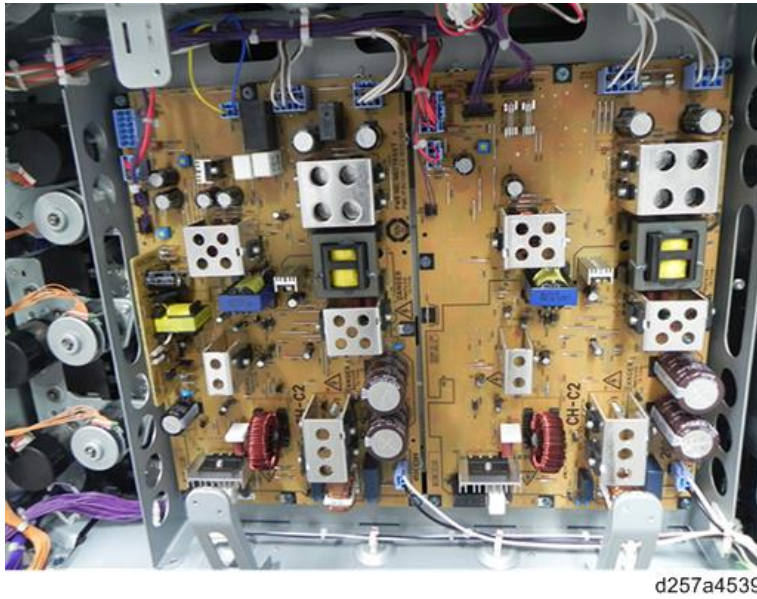
5. Remove the stays [A].



6. Remove the PSU1 and PSU2 [A] along with the bracket.

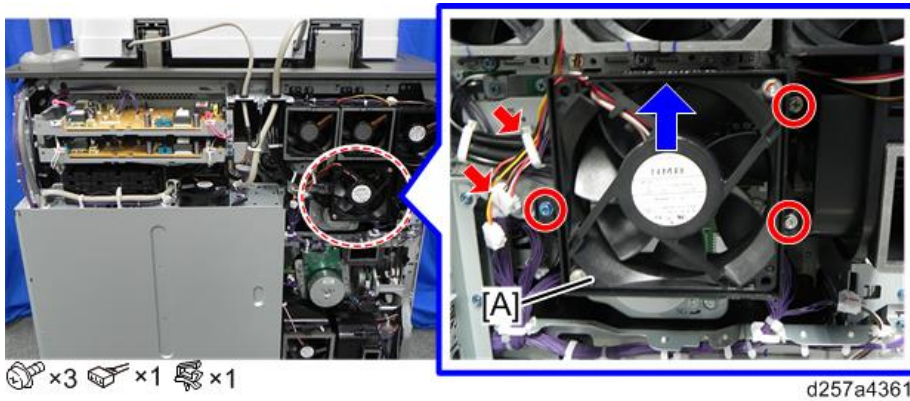


Wiring path

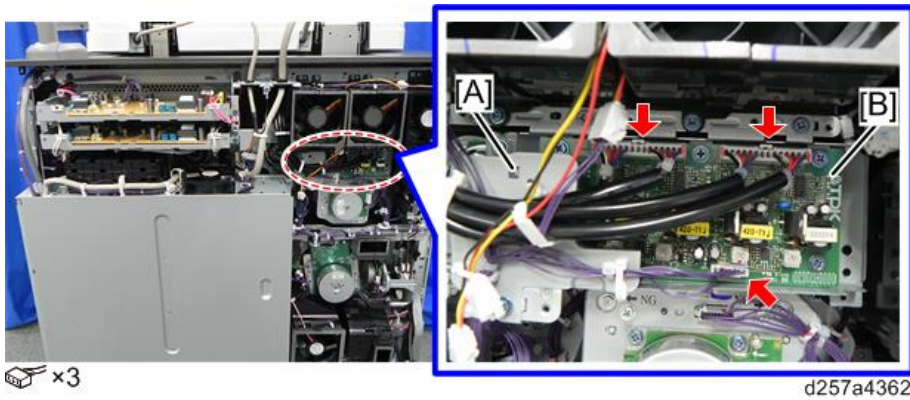


Potential Sensor Board

1. Remove the rear middle cover. (Rear Middle Cover)
2. Slide the drive exhaust fan [A] upward along with the duct.

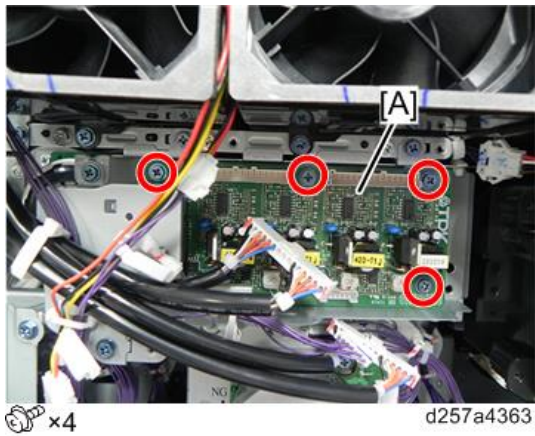


3. Remove the connectors of the harness guide [A] and the potential sensor board [B].



4.Replacement and Adjustment

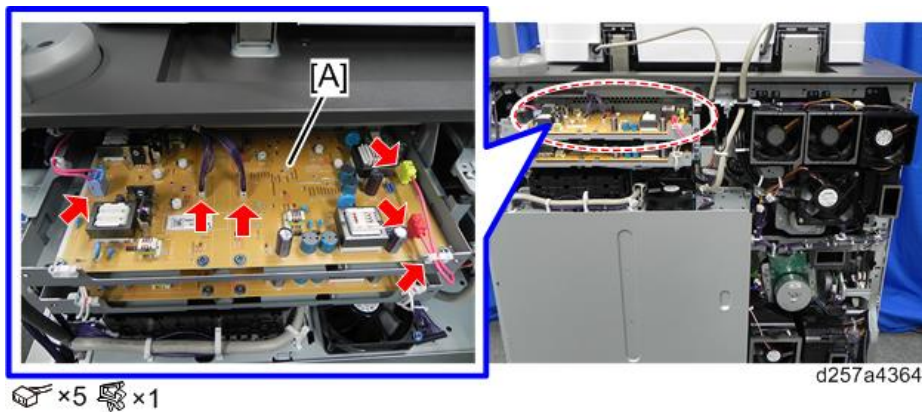
4. Remove the potential sensor board [A].



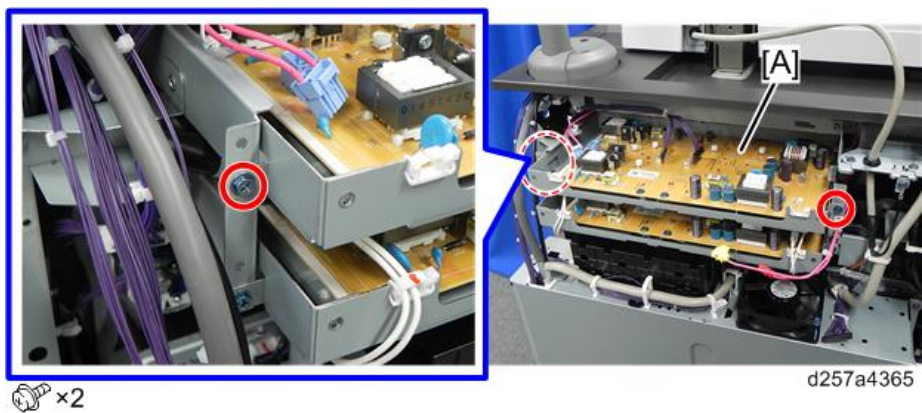
Combined High-Voltage Power Supply Board (Charge/Development) (KCMY)

Combined High-Voltage Power Supply Board (KC)

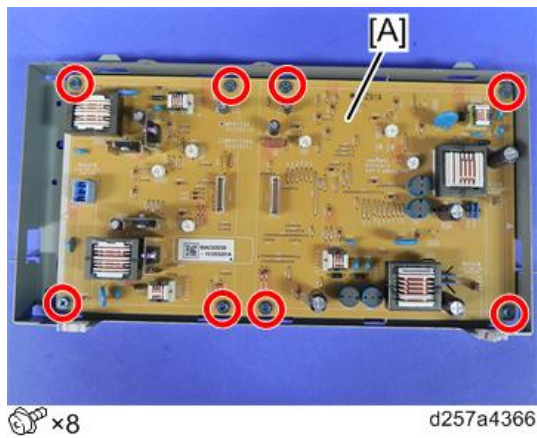
1. Remove the rear middle cover. ([Rear Middle Cover](#))
2. Disconnect the connectors of the combined high-voltage power supply board (KC) [A].



3. Remove the combined high-voltage power supply board (KC) [A] along with the bracket.

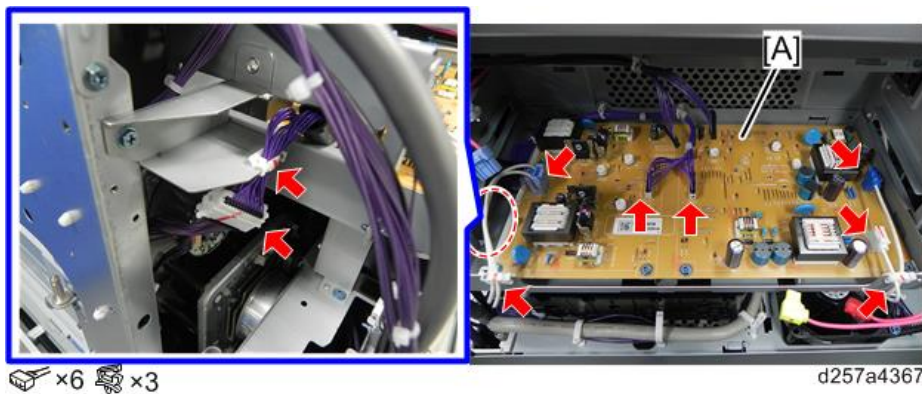


4. Remove the combined high-voltage power supply board (KC) [A].

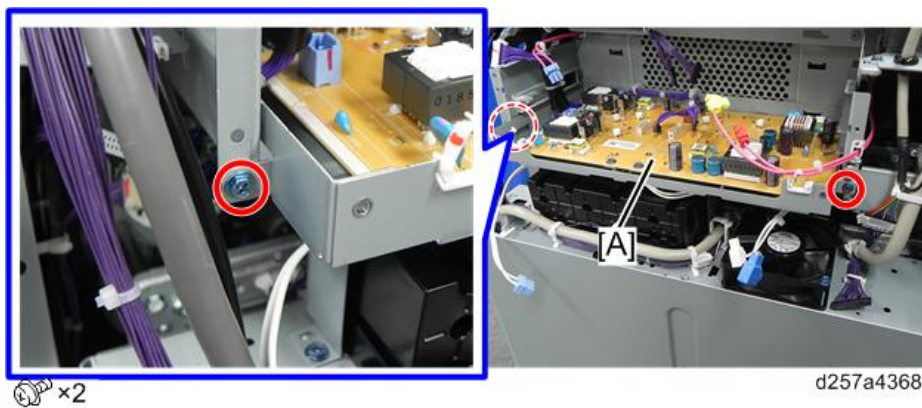


Combined High-Voltage Power Supply Board (MY)

1. Remove the combined high-voltage power supply board (KC) [A] along with the bracket. ([Combined High-Voltage Power Supply Board \(KC\)](#))
2. Disconnect the connectors of the combined high-voltage power supply board (MY) [A].

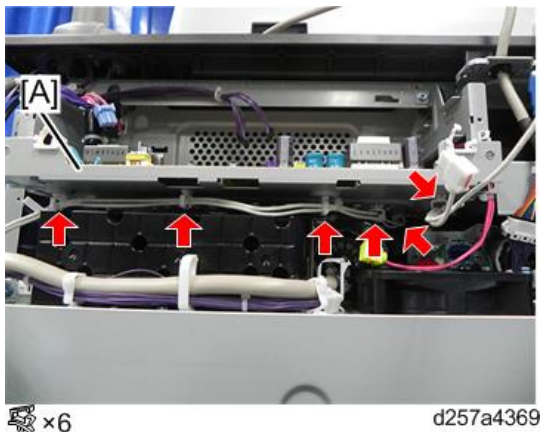


3. Remove the screws from the combined high-voltage power supply board (MY) [A].

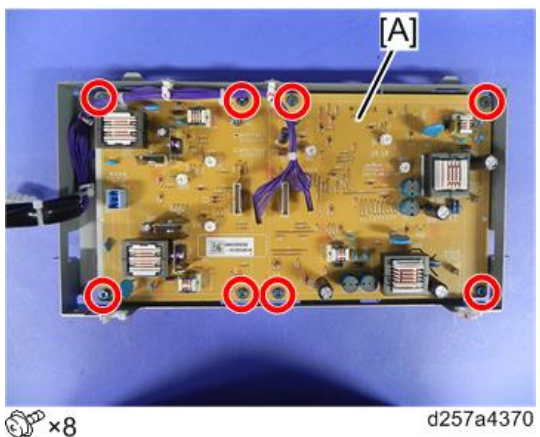


4.Replacement and Adjustment

4. Open the clamps, and remove the combined high-voltage power supply board (MY) [A] along with the bracket.

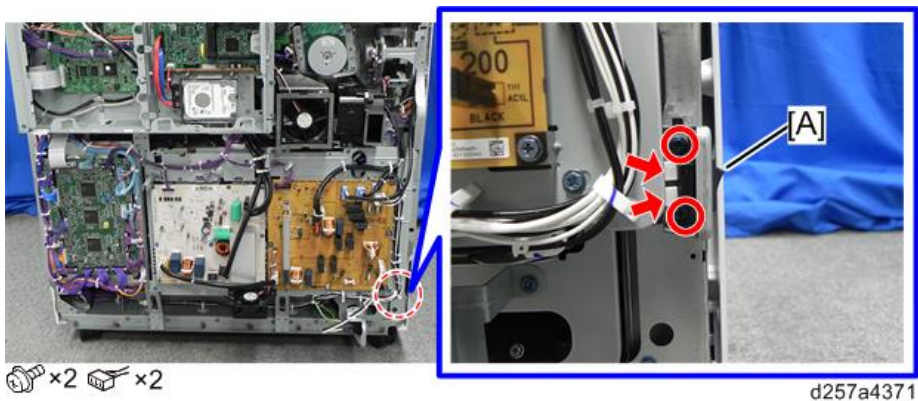


5. Remove the combined high-voltage power supply board (MY) [A].

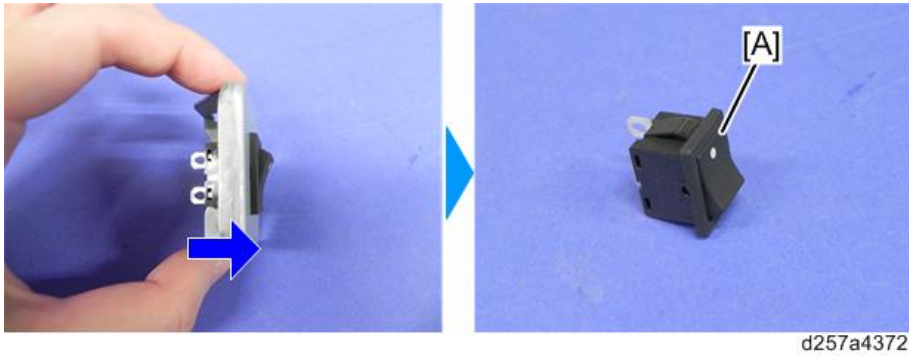


Heater Switch

1. Remove the rear lower cover. ([Rear Lower Cover](#))
2. Remove the heater switch [A] along with the bracket.



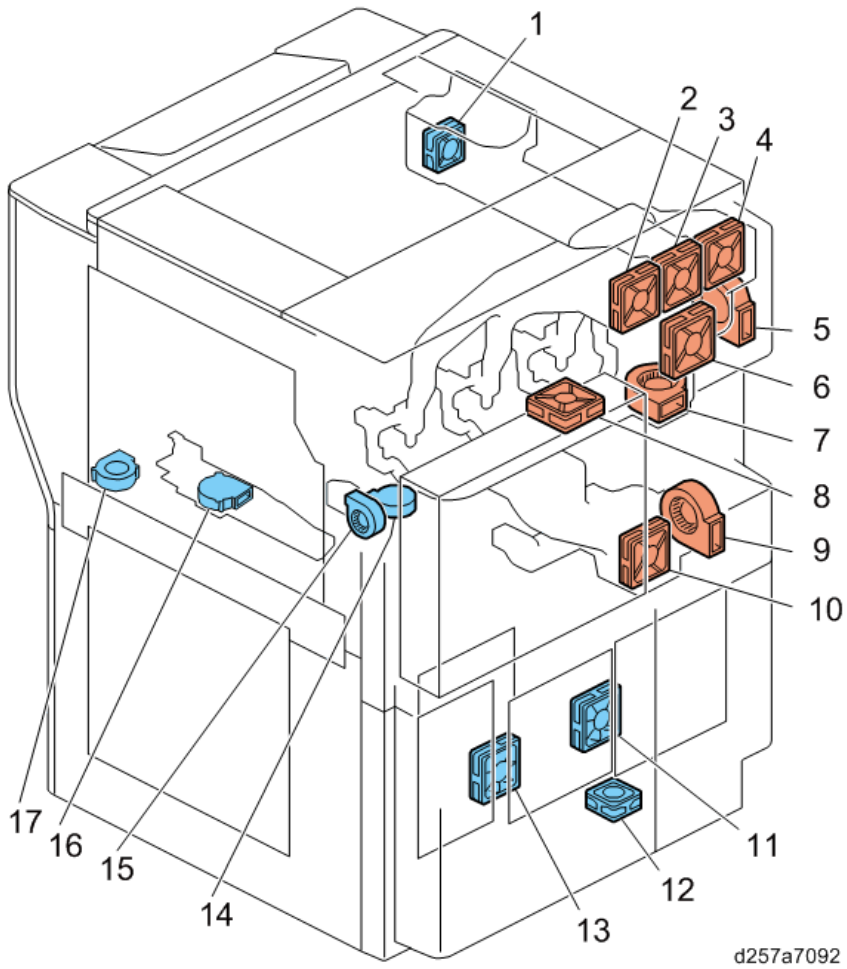
- 3.** Remove the heater switch [A].



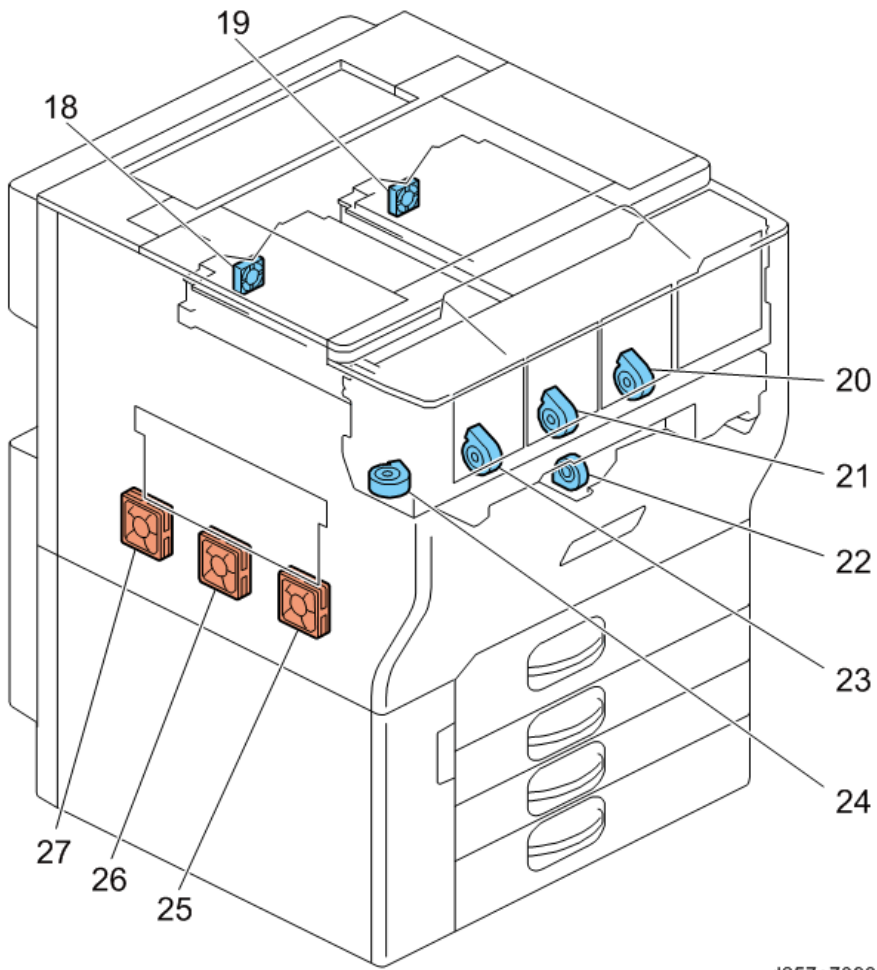
Fans and Filters

Layout (Fans)

Main Machine (Rear)



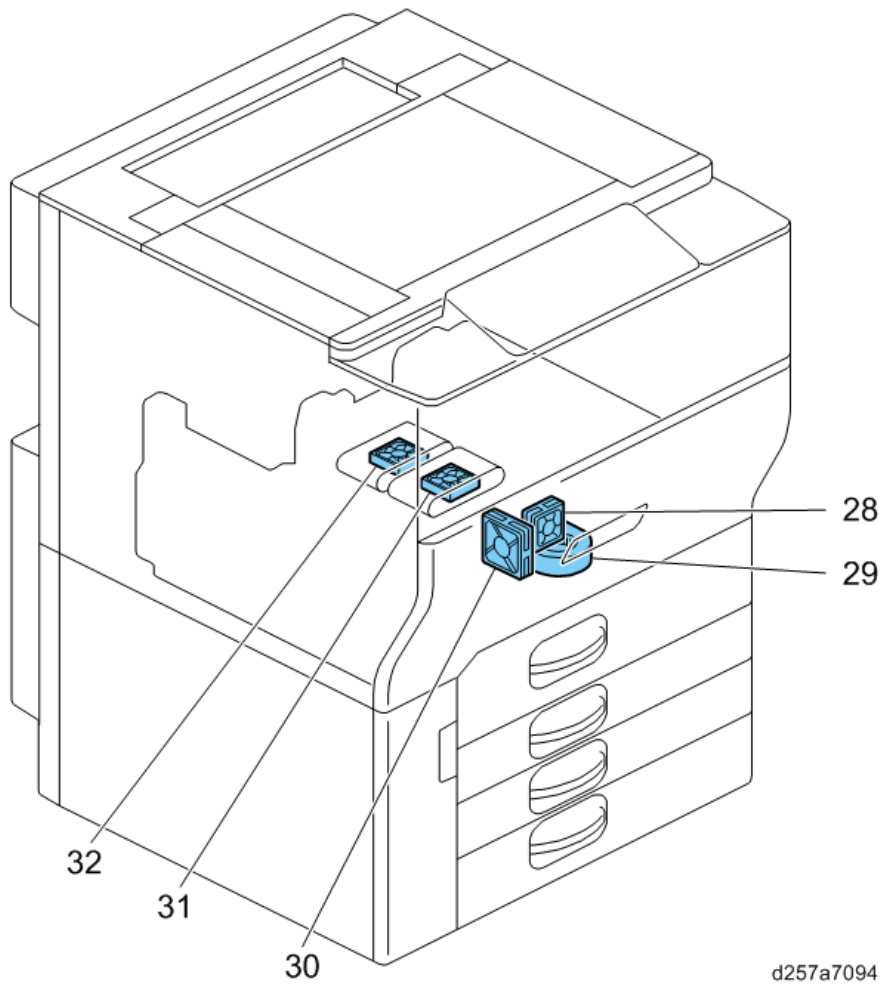
Main Machine (Front)



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4.Replacement and Adjustment

Drawer (Inside)



d257a7094

No.	Part Name	Replacement procedure	Remarks
1	Heat Pipe Panel Intake Fan	Heat Pipe Panel Intake Fan	
2	Development Exhaust Fan (Right)	Development Exhaust Fans (Right/Left)	
3	Development Exhaust Fan (Left)	Development Exhaust Fans (Right/Left)	
4	Heat Pipe Panel Exhaust Fan	Heat Pipe Panel Exhaust Fan	
5	Fusing Exit Exhaust Fan	Fusing Exit Exhaust Fan	
6	Drive Exhaust Fan	Drive Exhaust Fan	
7	Ozone Exhaust Fan	Ozone Exhaust Fan	
8	Controller Exhaust Fan	Controller Exhaust Fan	
9	Fusing Pressure Roller Exhaust Fan	Fusing Pressure Roller Exhaust Fan (Pro C5200S/C5210S)	Pro C5200S/C5210S only
10	Paper Transfer Belt Fusing Exhaust Fan	Paper Transfer Belt Fusing Exhaust Fan	

4.Replacement and Adjustment

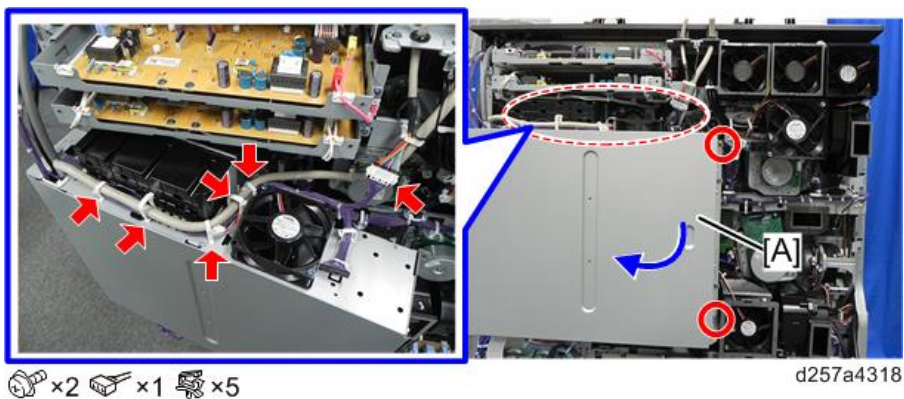
No.	Part Name	Replacement procedure	Remarks
11	PSU Fan (Left)	PSU Fans (Right/Left)	
12	IH Coil Power Cooling Fan	IH Coil Power Cooling Fan	
13	PSU Fan (Right)	PSU Fans (Right/Left)	
14	ITB Motor Cooling Fan	ITB Motor Cooling Fan	
15	ID Sensor Cleaning Fan	ID Sensor Cleaning Fan	
16	Paper Transfer Belt Cooling Fan (Front)	Paper Transfer Belt Cooling Fan (Front)	
17	Paper Transfer Belt Cooling Fan (Rear)	Paper Transfer Belt Cooling Fan (Rear)	
18	Laser Unit Cooling Fan (Left)	Laser Unit Cooling Fan (Left)	
19	Laser Unit Cooling Fan (Right)	Laser Unit Cooling Fan (Right)	
20	Development Intake Fan (K)	Development Intake Fans (KCMY)	
21	Development Intake Fan (C)	Development Intake Fans (KCMY)	
22	ITB Cleaning Intake Fan	ITB Cleaning Intake Fan	
23	Development Intake Fan (M)	Development Intake Fans (KCMY)	
24	Development Intake Fan (Y)	Development Intake Fans (KCMY)	
25	Duplex Exhaust Fan (Front)	Duplex Exhaust Fans (Front/Middle/Rear)	
26	Duplex Exhaust Fan (Middle)	Duplex Exhaust Fans (Front/Middle/Rear)	
27	Duplex Exhaust Fan (Rear)	Duplex Exhaust Fans (Front/Middle/Rear)	
28	IH Coil Cooling Fan	IH Coil Power Cooling Fan	
29	Fusing Pressure Roller Intake Fan	Fusing Pressure Roller Intake Fan (Pro C5200S/C5210S only)	Pro C5200S/C5210S only
30	Fusing Heat Pipe Cooling Fan	Fusing Heat Pipe Cooling Fan	
31	Paper Transport Belt Fan (Front)	Paper Transport Belt Fans	
32	Paper Transport Belt Fan (Rear)	Paper Transport Belt Fans	

Controller Exhaust Fan

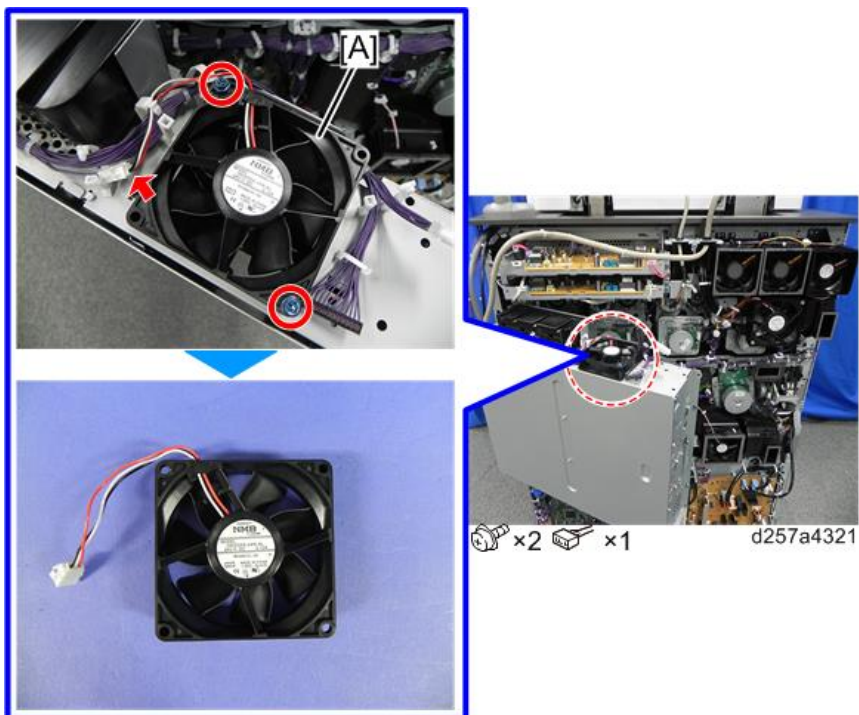
1. Remove the rear middle cover. (Rear Middle Cover)

4.Replacement and Adjustment

2. Open the controller box [A].

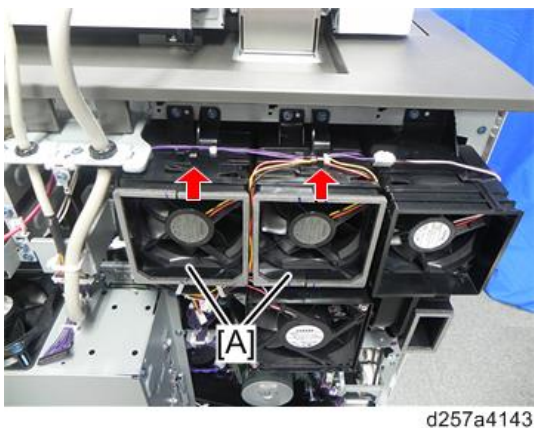


3. Remove the controller exhaust fan [A].

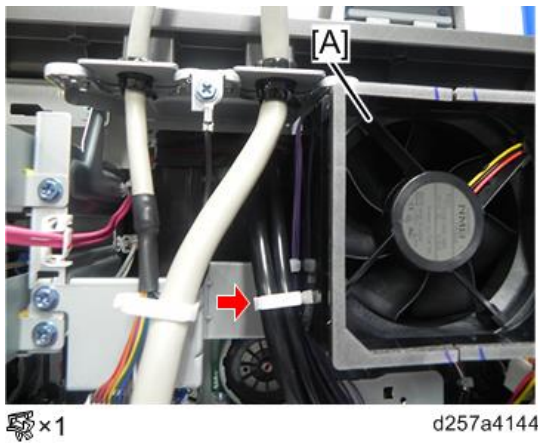


Development Exhaust Fans (Right/Left)

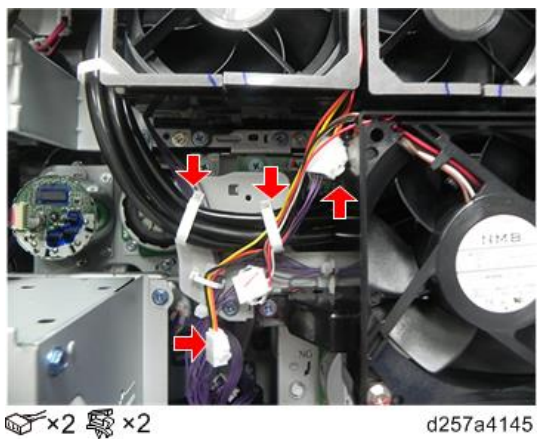
1. Remove the rear middle cover. (Rear Middle Cover)
2. Disconnect the harness to remove the development exhaust fans [A] along with the duct.



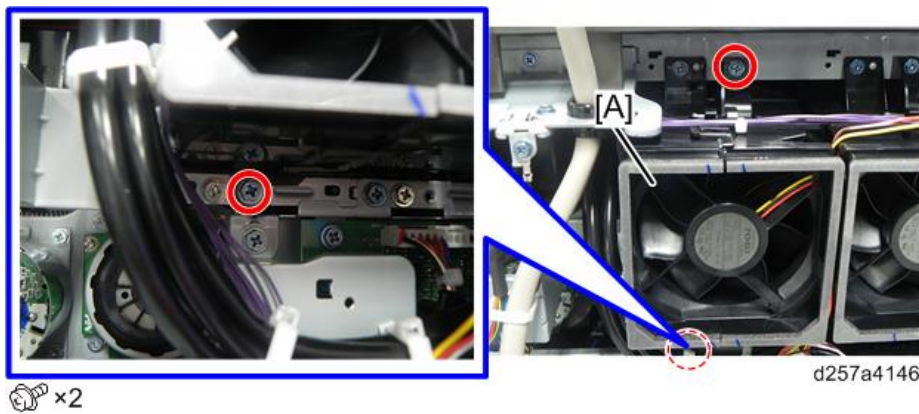
- 3.** Disconnect the left clamp to remove the development exhaust fan (right) [A].



- 4.** Disconnect the connectors. Remove the harnesses from the guide.

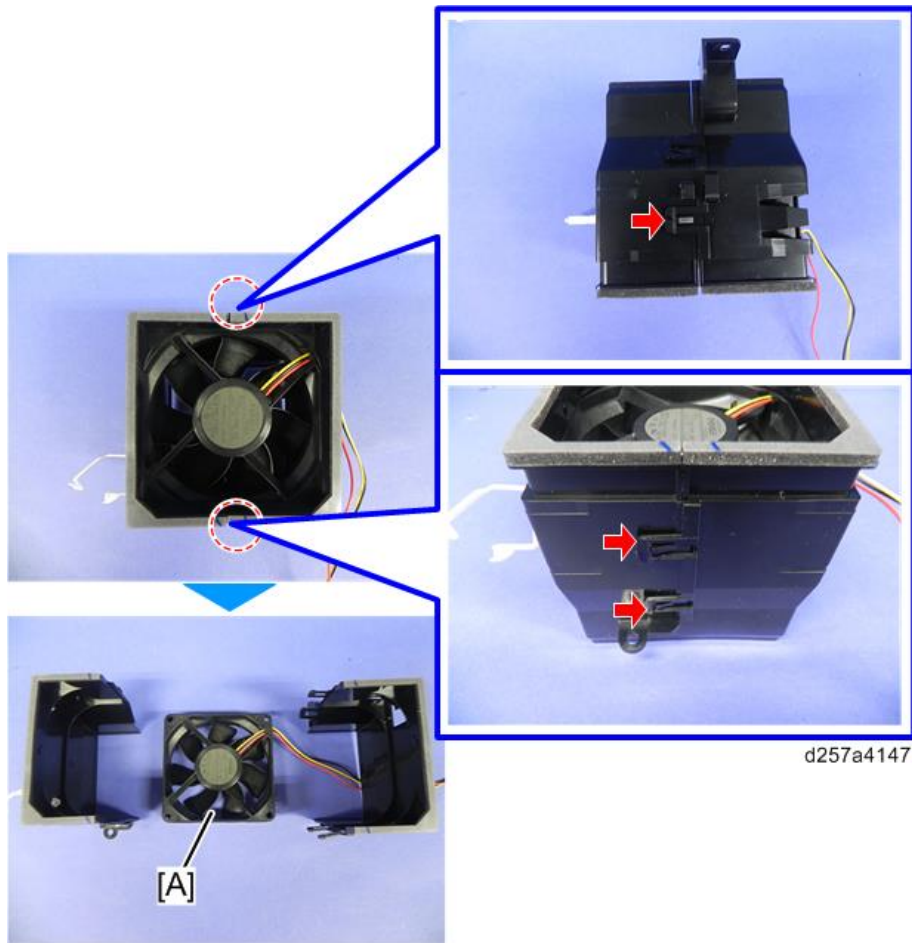


- 5.** Remove the development exhaust fans (Right / Left) [A] along with the duct.
e.g.: Development exhaust fan (right)



- 6.** Remove the hooks and take out the development exhaust fans (right / left) [A].
e.g.: Development exhaust fan (right)

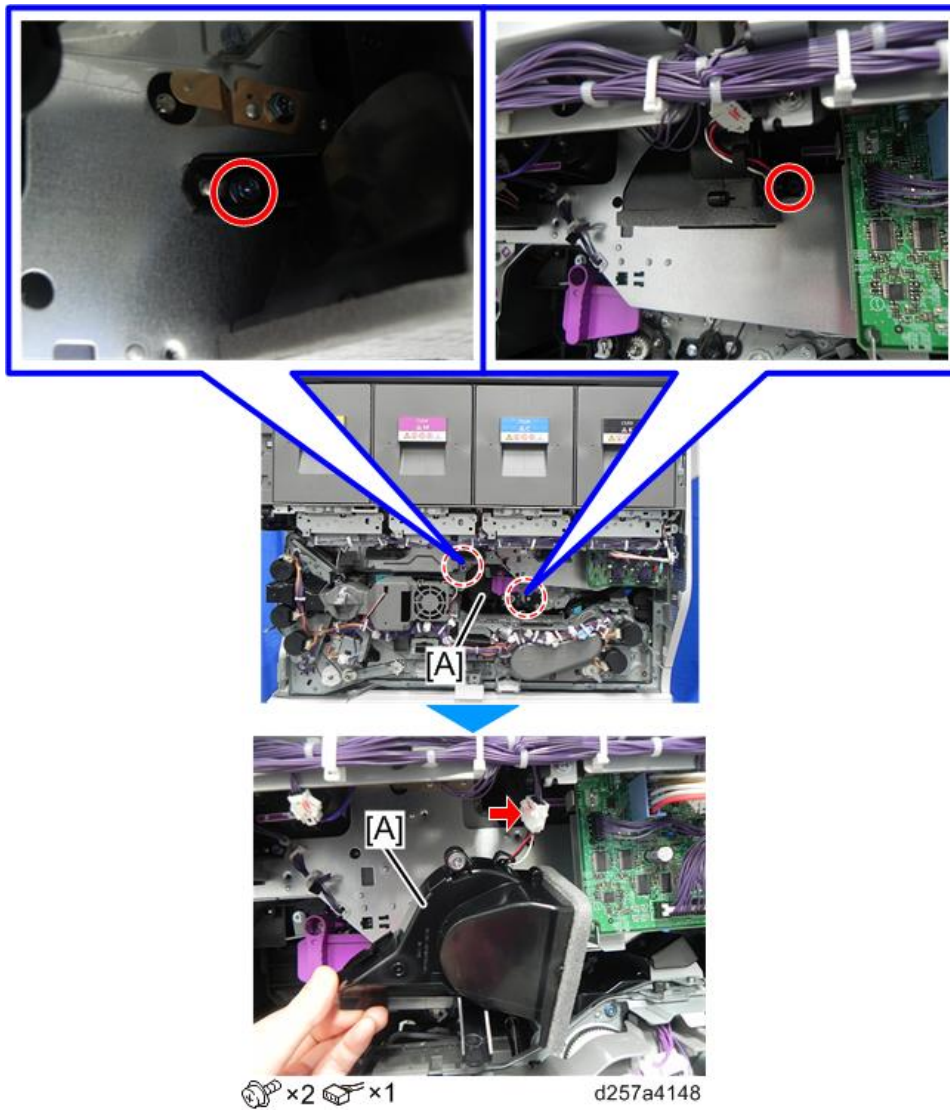
4.Replacement and Adjustment



Development Intake Fans (KCMY)

1. Remove the toner supply unit inner cover. (Toner Supply Unit Inner Cover)

2. Remove the development intake fans (KCM) [A].

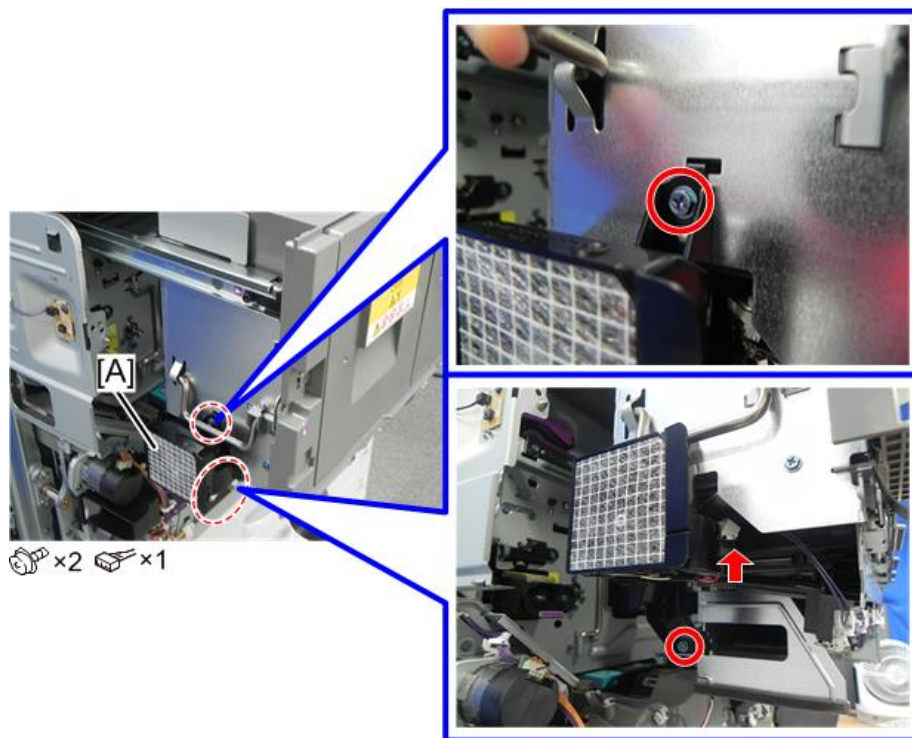


Note

- For development intake fan (Y) [A], pull the toner supply unit (Toner Supply Unit) and remove the

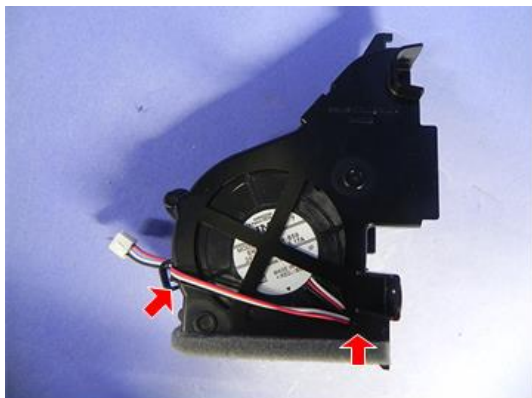
4.Replacement and Adjustment

development intake fan (Y) [A] from the right side.

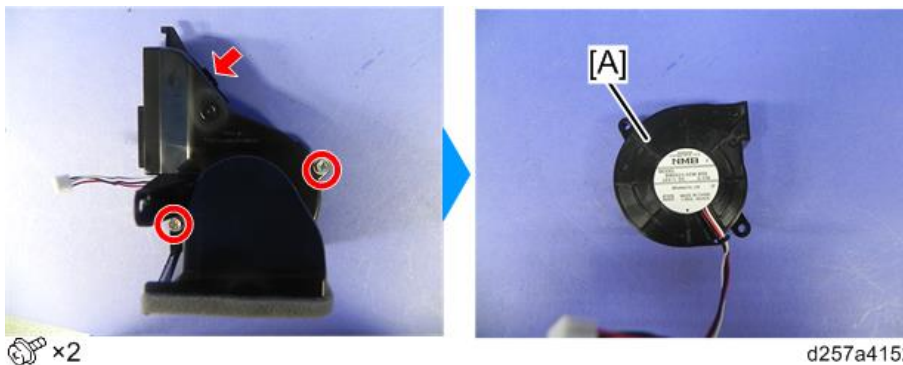


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3. Remove the harness from the guide.



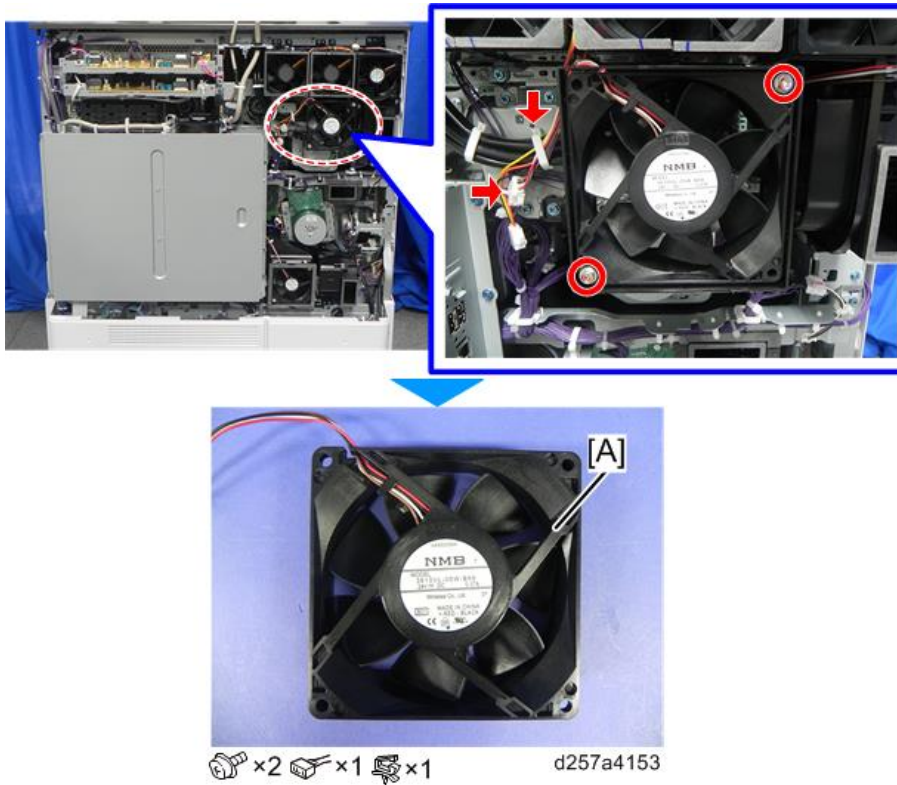
4. Remove the development intake fan [A] from the duct.



Drive Exhaust Fan

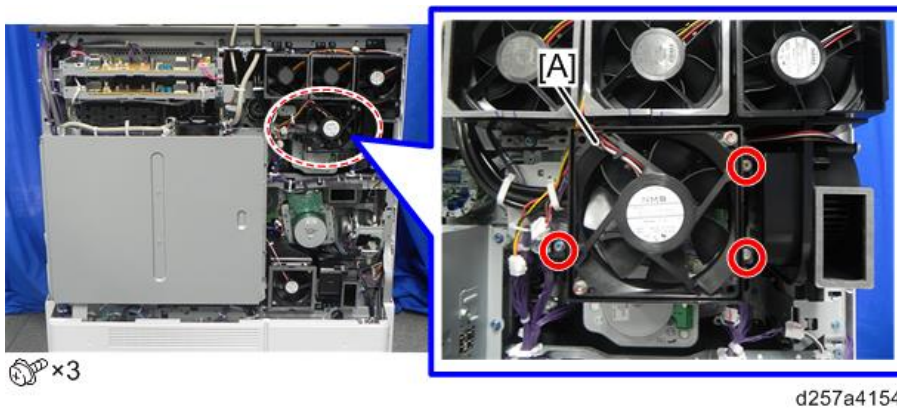
1. Remove the rear middle cover. (Rear Middle Cover)

2. Remove the drive exhaust fan [A].



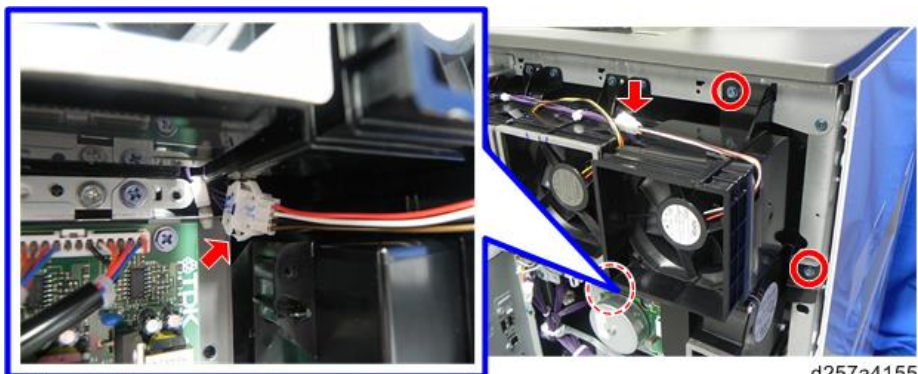
Fusing Exit Exhaust Fan

1. Remove the rear middle cover. (Rear Middle Cover)
2. Remove the drive exhaust fan [A] along with the duct connected to the machine.



4.Replacement and Adjustment

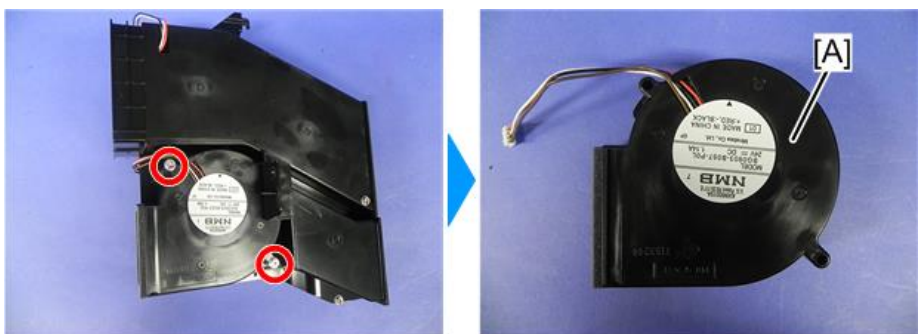
3. Remove the bracket [A].



⚙️ ×2 📦 ×2

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4. Remove the fusing exit exhaust fan [A].

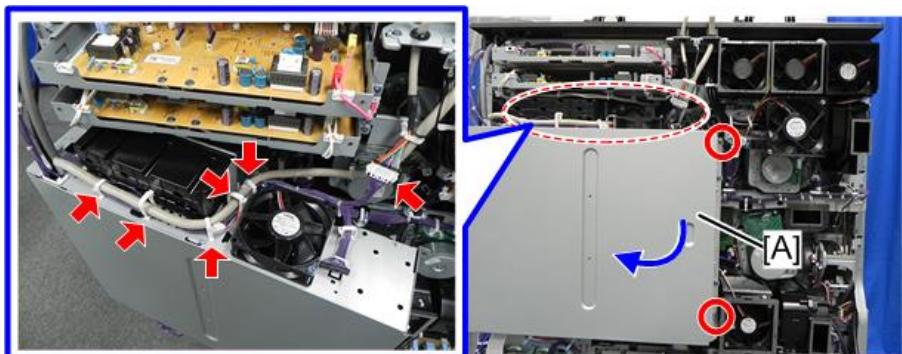


⚙️ ×2

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Fusing Pressure Roller Exhaust Fan (Pro C5200S/C5210S)

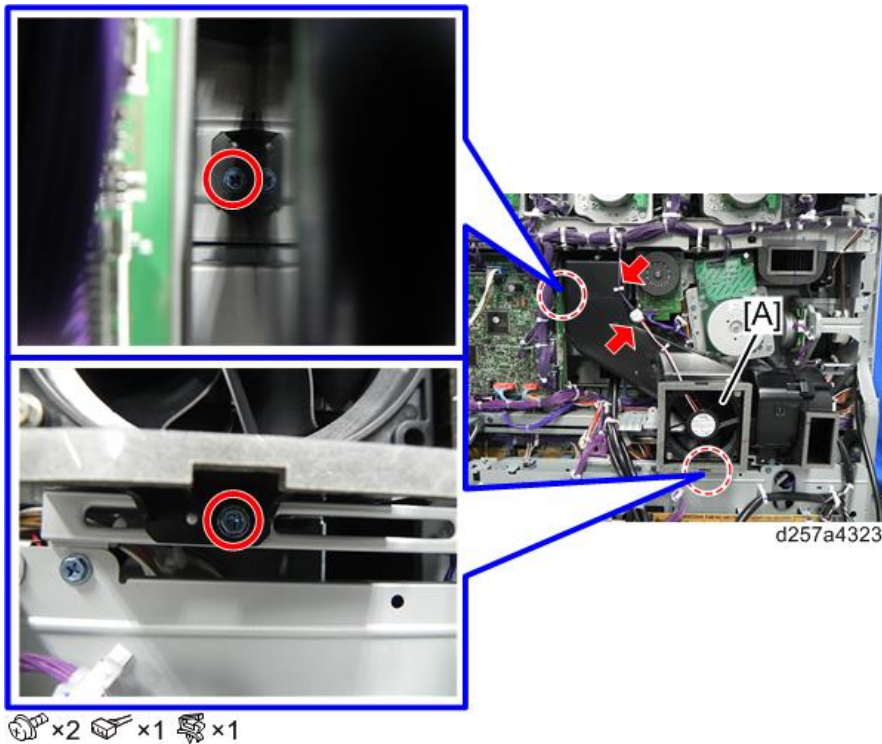
1. Remove the rear middle cover. (Rear Middle Cover)
2. Open the controller box [A].



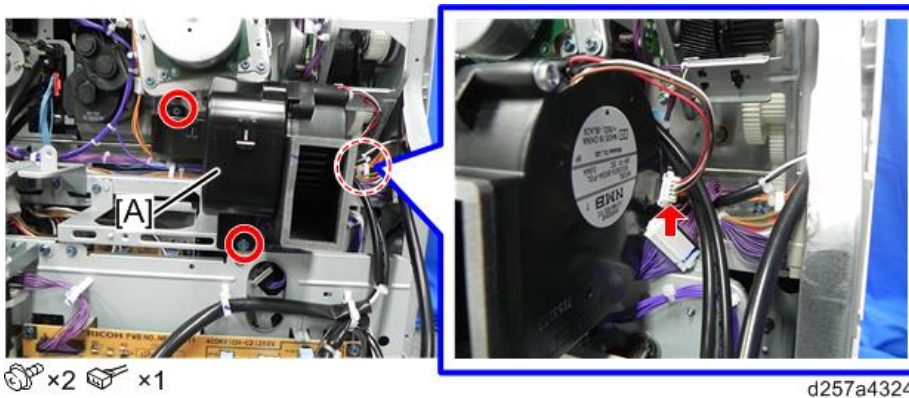
⚙️ ×2 📦 ×1 📦 ×5

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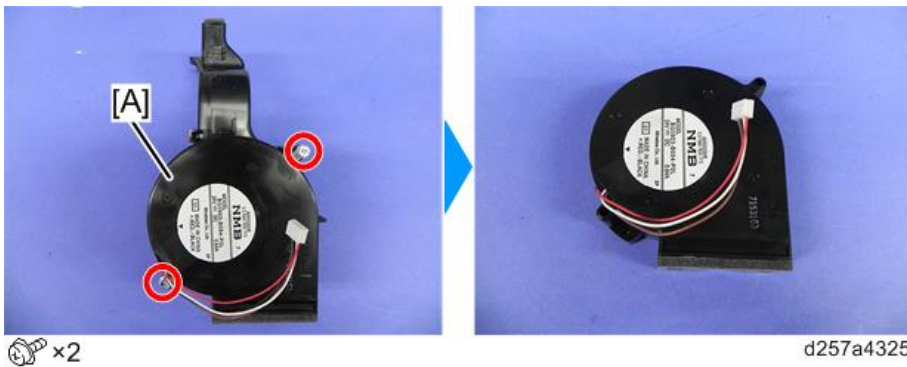
3. Remove the paper transfer belt fusing exhaust fan [A] along with the duct.



4. Remove the fusing pressure roller exhaust fan [A] along with the duct.



5. Remove the fusing pressure roller exhaust fan [A] from the duct.

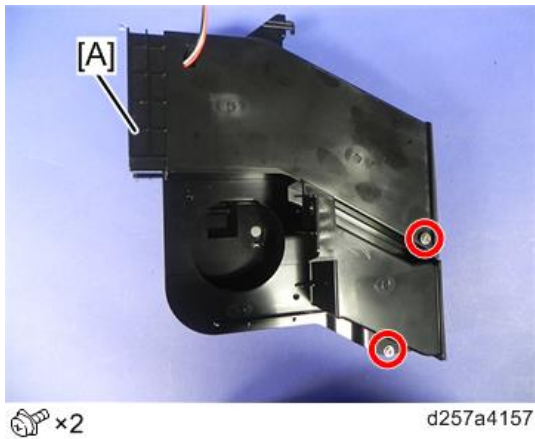


Heat Pipe Panel Exhaust Fan

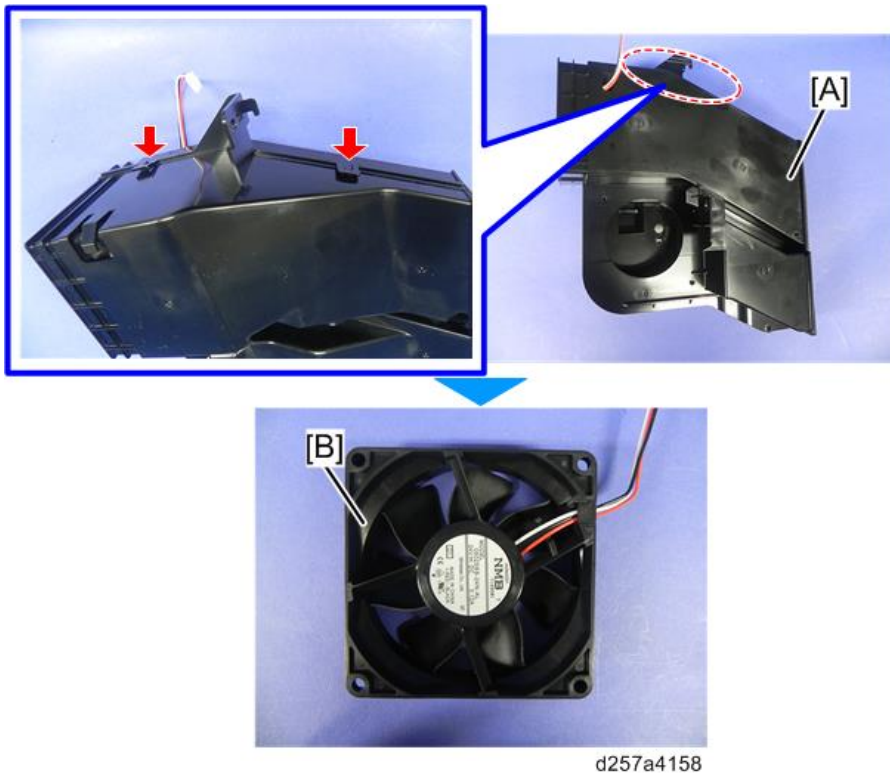
1. Remove the fusing exit exhaust fan. (Fusing Exit Exhaust Fan)

4.Replacement and Adjustment

2. Remove the screws of the duct [A].



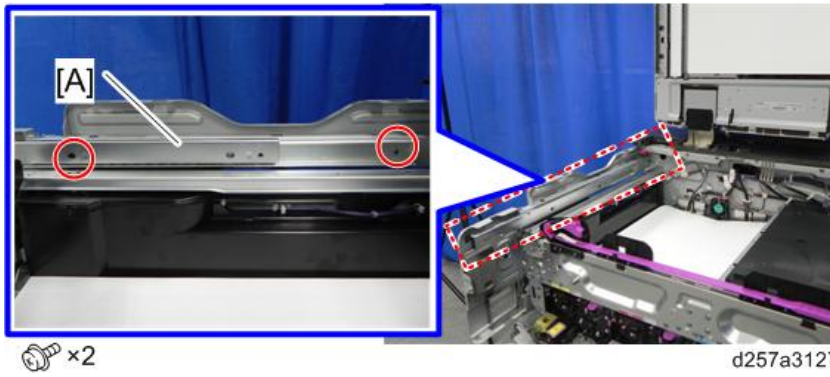
3. Remove the hooks of the duct [A], and take out the heat pipe panel exhaust fan [B].



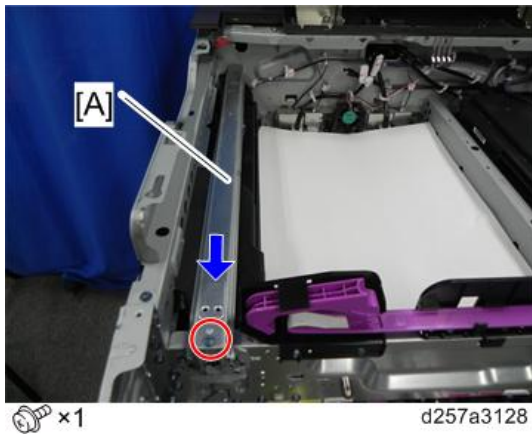
Heat Pipe Panel Intake Fan

1. Remove the left middle cover. ([Left Middle Cover](#))
2. Remove the toner supply unit. ([Toner Supply Unit](#))
3. Remove the laser unit. ([Replacement](#))

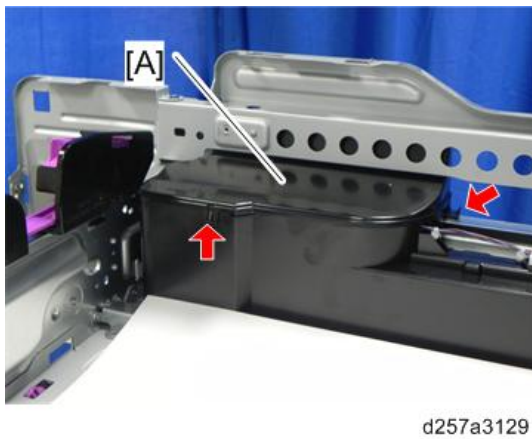
- 4.** Remove the left slide stay [A].



- 5.** Remove the stay [A].

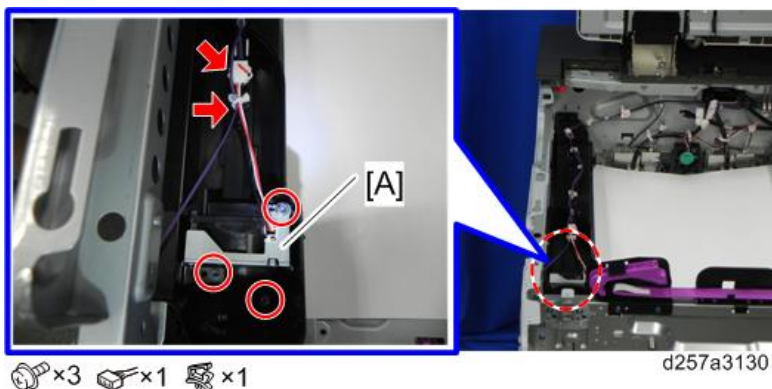


- 6.** Remove the hooks and remove the duct cover [A].

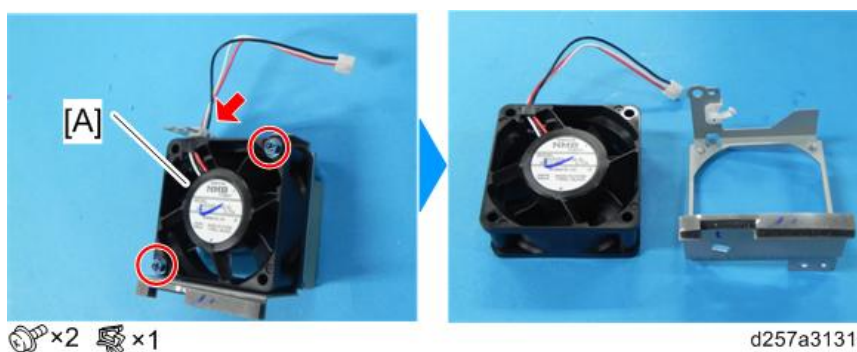


4.Replacement and Adjustment

7. Remove the heat pipe panel intake fan [A] along with the bracket.

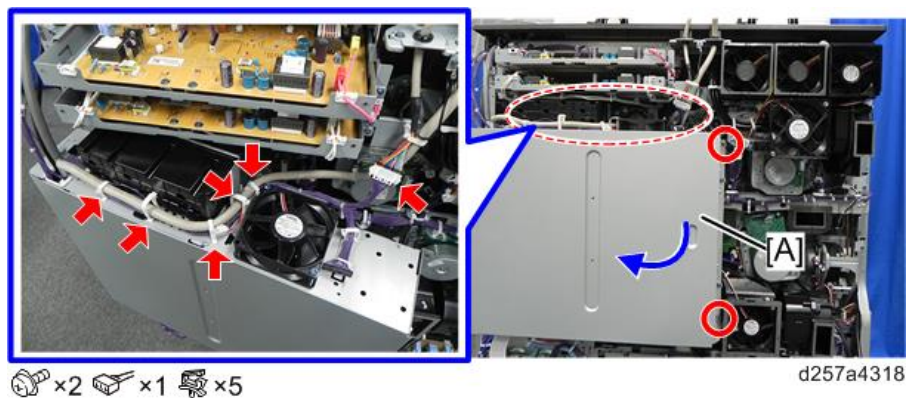


8. Remove the heat pipe panel intake fan [A] from the bracket.

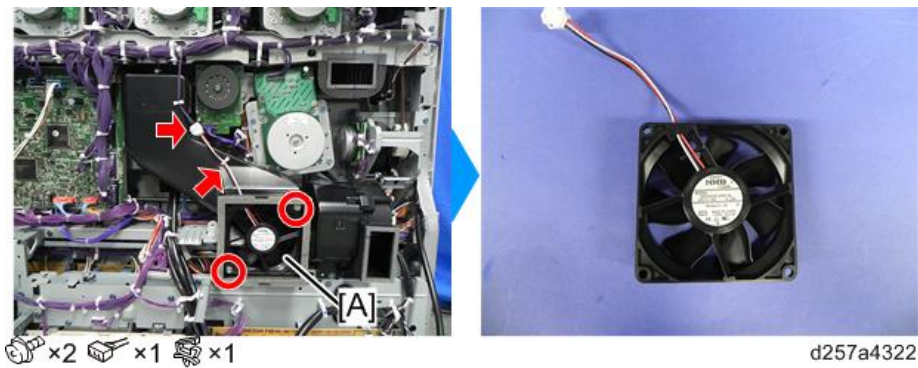


Paper Transfer Belt Fusing Exhaust Fan

1. Remove the rear middle cover. (Rear Middle Cover)
2. Open the controller box [A].

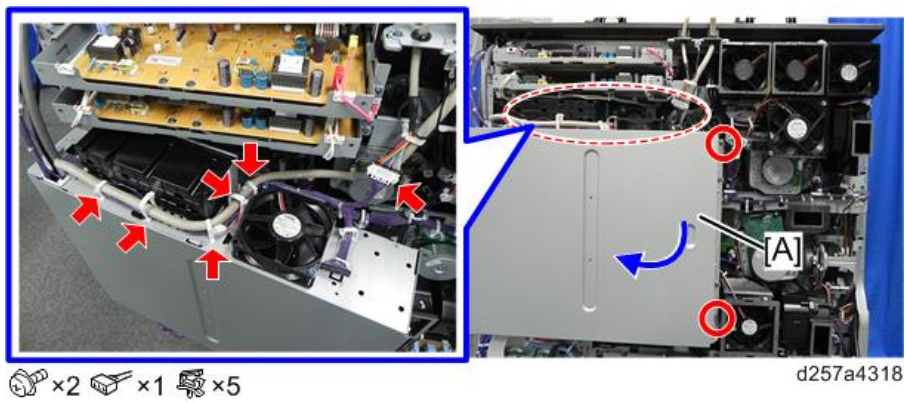


3. Remove the paper transfer belt fusing exhaust fan [A].

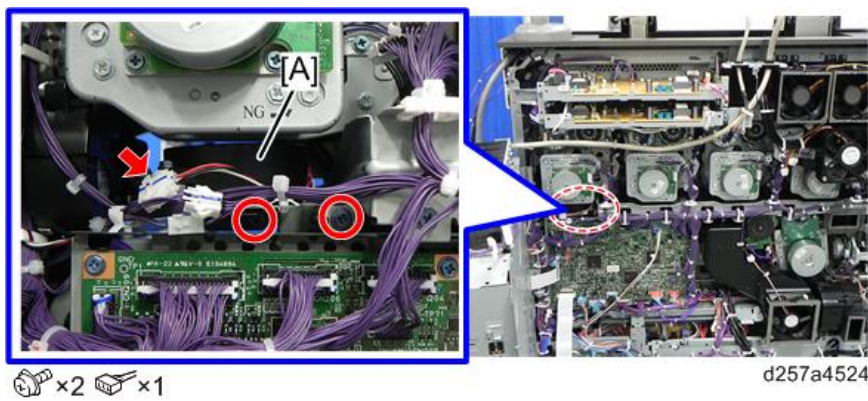


ITB Motor Cooling Fan

1. Remove the rear middle cover. (Rear Middle Cover)
2. Open the controller box [A].

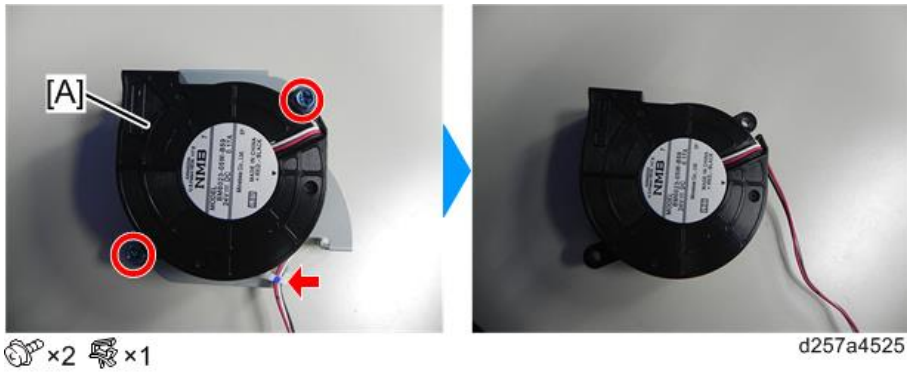


3. ITB motor cooling fan [A] along with the bracket.



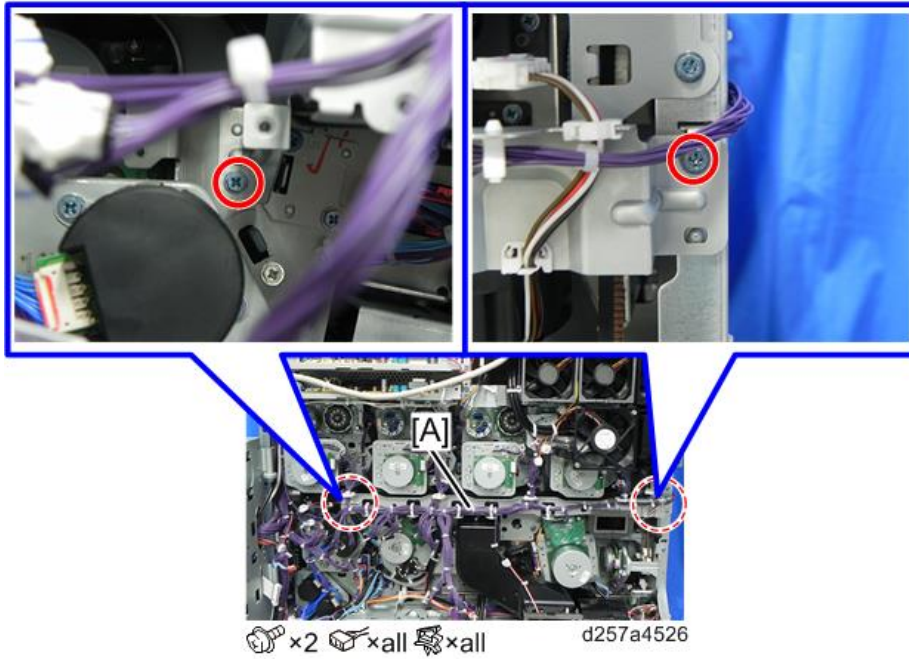
4.Replacement and Adjustment

4. Remove the ITB motor cooling fan [A] from the bracket.

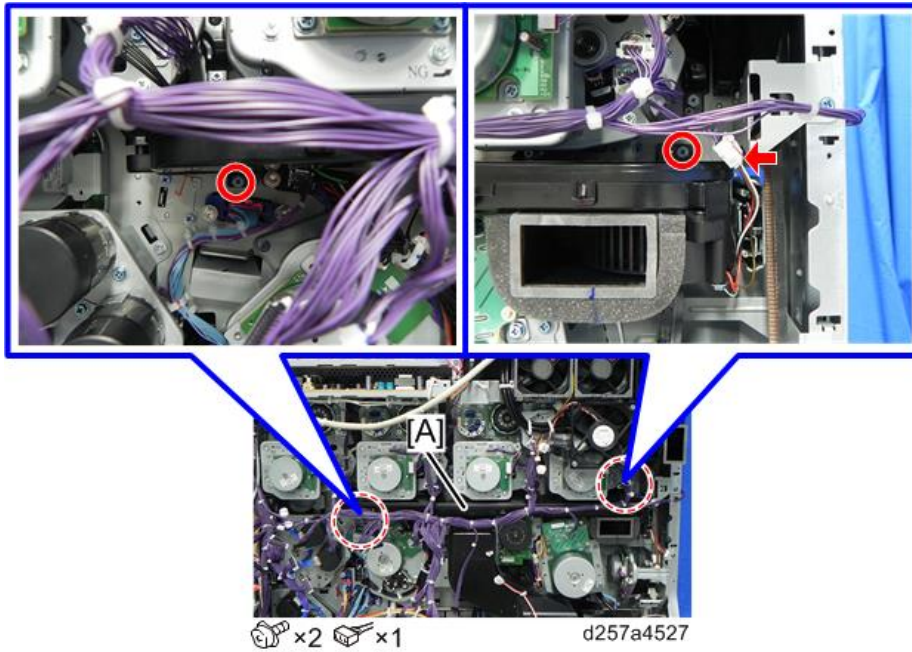


Ozone Exhaust Fan

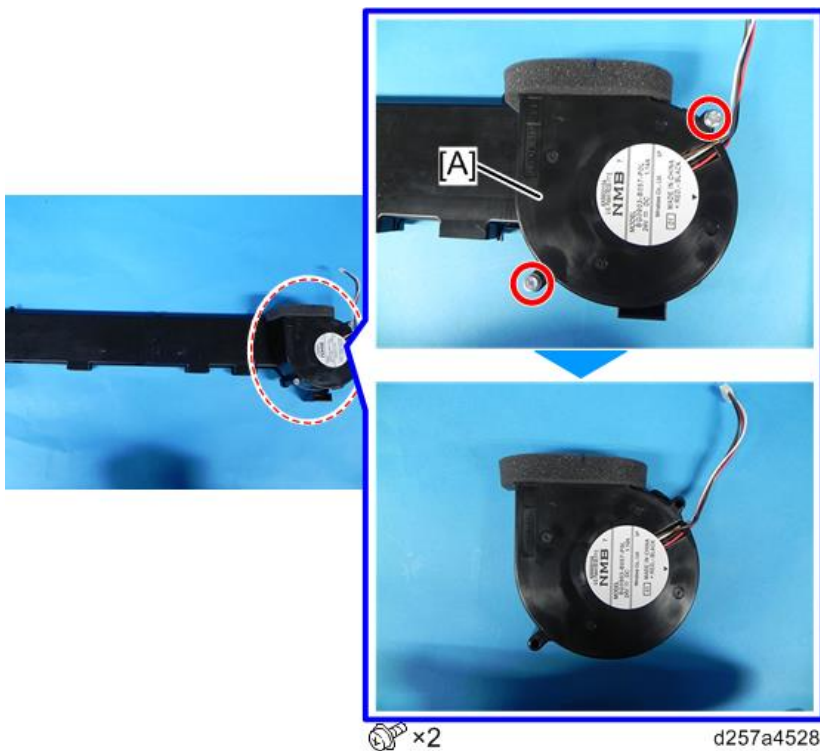
1. Remove the IOB along with the bracket. (When removing the motors that are behind the IOB)
2. Remove the ITB motor cooling fan. (ITB Motor Cooling Fan)
3. Remove the frame [A].



4. Remove the ozone exhaust fan [A] along with the duct.



5. Remove the ozone exhaust fan [A] from the duct.

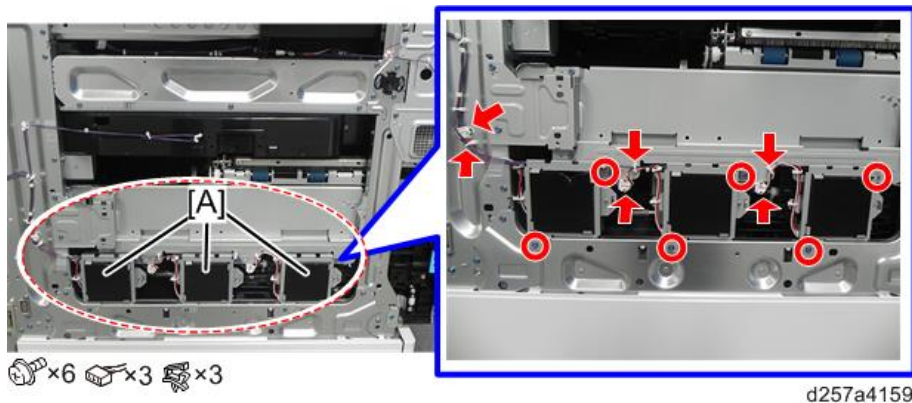


Duplex Exhaust Fans (Front/Middle/Rear)

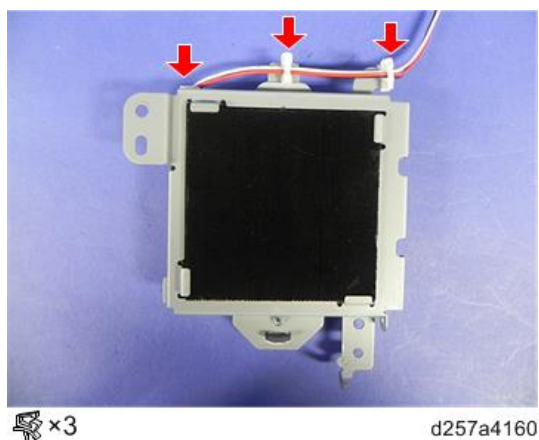
1. Remove the left middle cover. ([Left Middle Cover](#))

4.Replacement and Adjustment

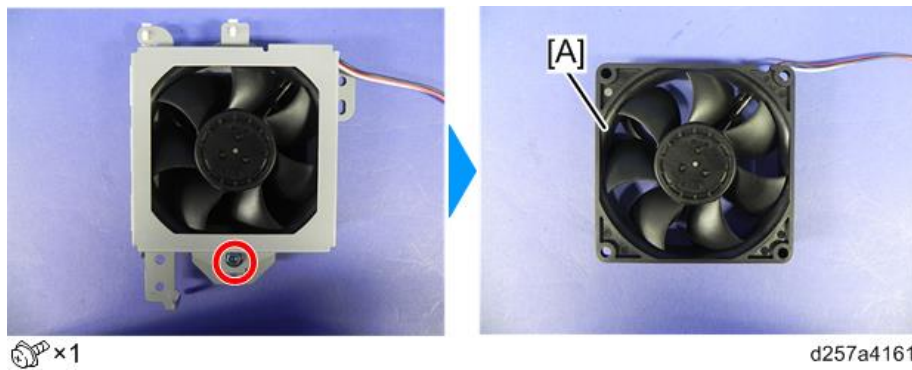
2. Duplex exhaust fans [A] along with the duct.



3. Remove the harness clamps.



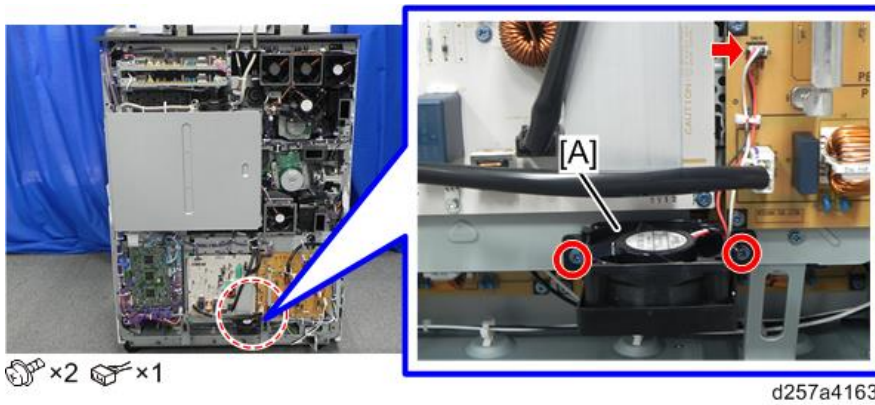
4. Remove the duplex exhaust fans [A] from the bracket.



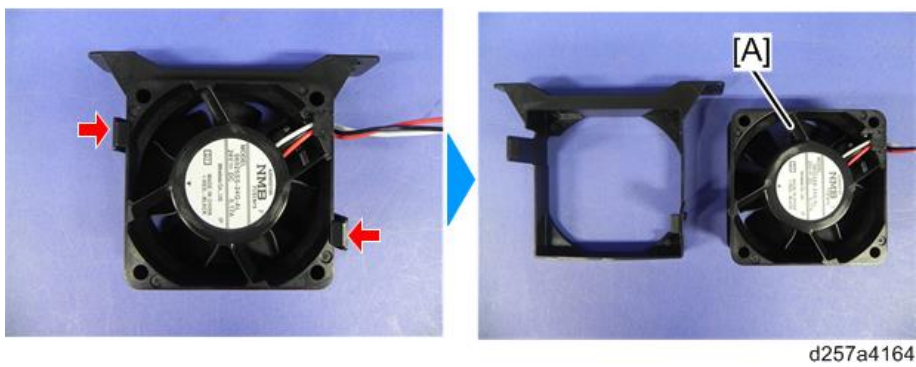
IH Coil Power Cooling Fan

1. Remove the rear middle cover. ([Rear Middle Cover](#))
2. Remove the rear lower cover. ([Rear Lower Cover](#))

3. Remove the IH coil power cooling fan [A] along with the bracket.

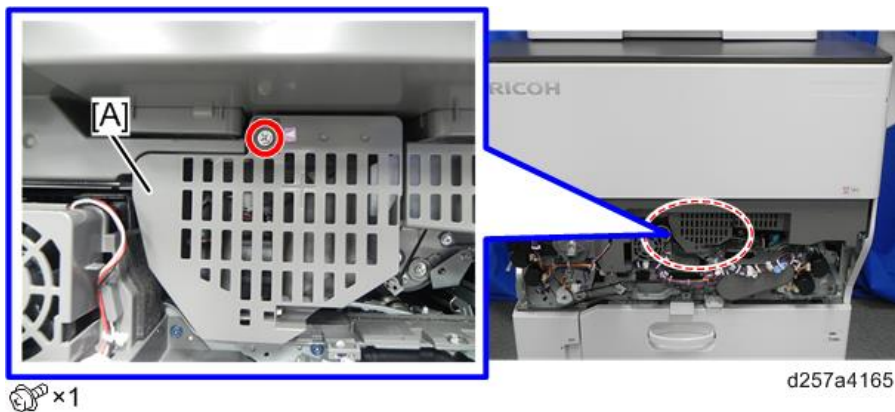


4. Remove the hooks, and remove the IH coil power cooling fan [A].



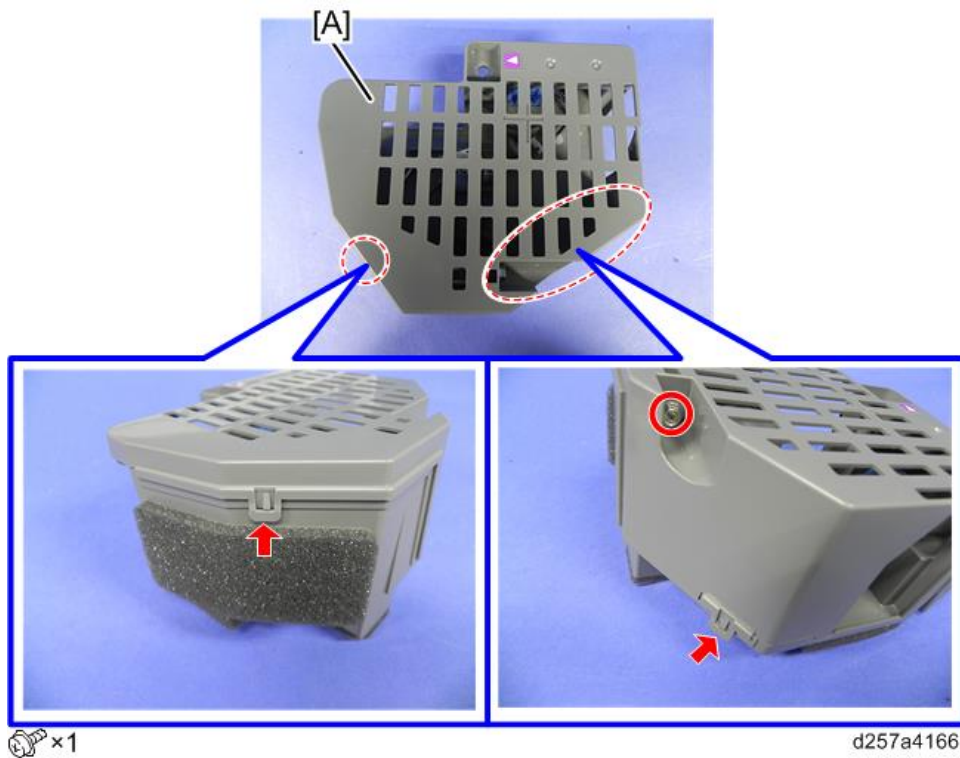
ITB Cleaning Intake Fan

1. Remove the drawer unit cover. ([Drawer Unit Cover](#))
2. Remove the ITB cleaning intake fan [A] along with the duct.

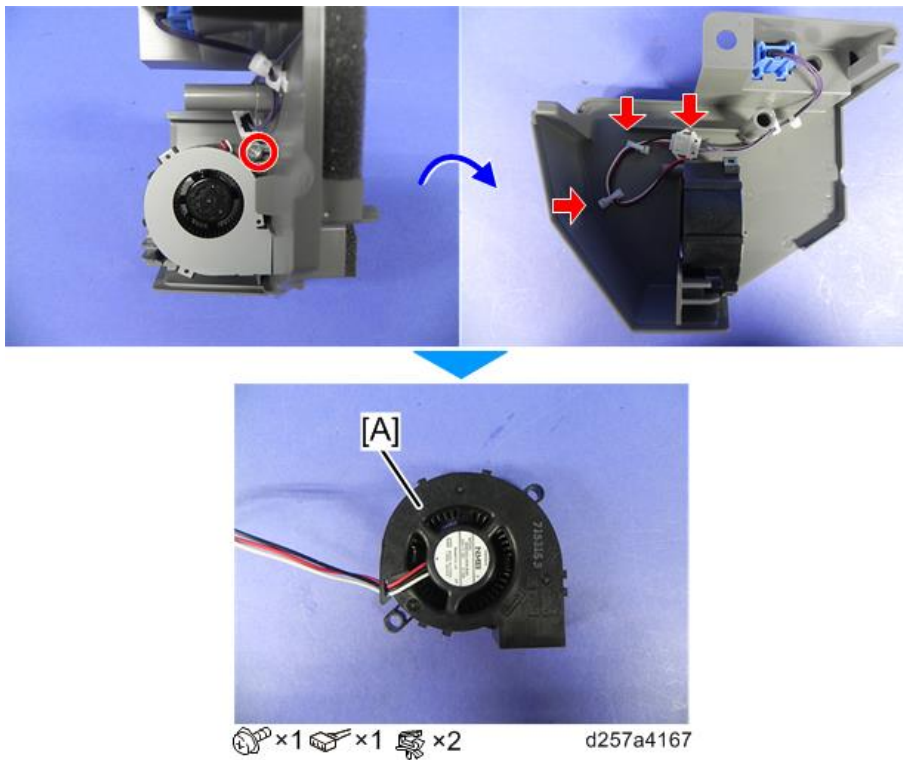


4.Replacement and Adjustment

3. Remove the cover [A].



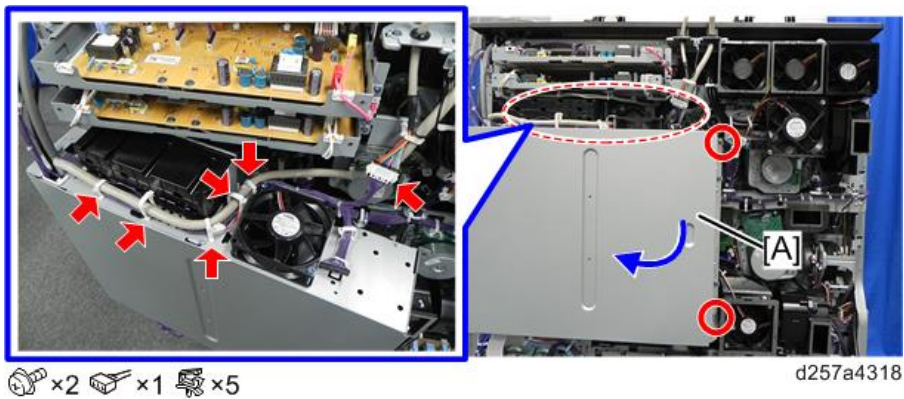
4. Remove the ITB cleaning intake fan [A].



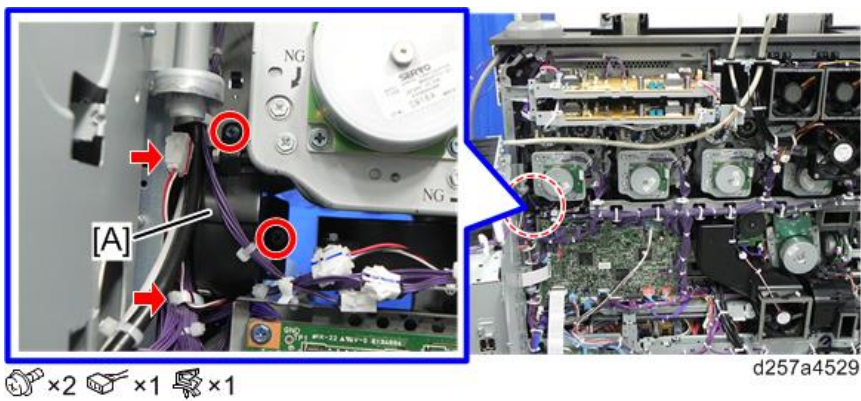
ID Sensor Cleaning Fan

1. Remove the rear middle cover. (Rear Middle Cover)

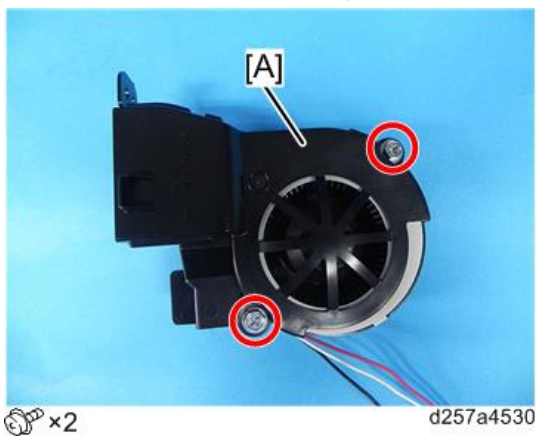
2. Open the controller box [A].



3. Remove the ID sensor cleaning fan [A] along with the bracket.



4. Remove the ID sensor cleaning fan [A] from the bracket.

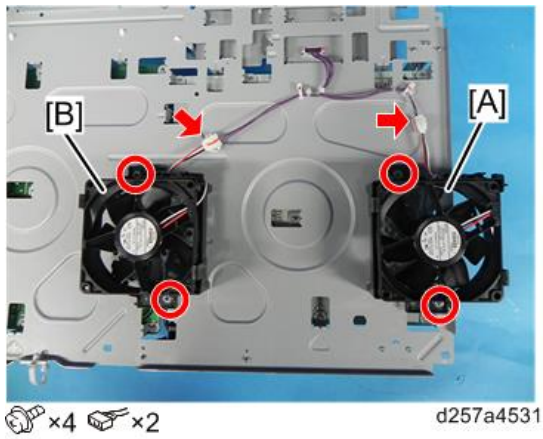


PSU Fans (Right/Left)

1. Remove the IH inverter and AC drive board along with the bracket. (PSU1, PSU2)

4.Replacement and Adjustment

2. Remove the PSU fan (right) [A] and PSU fan (left) [B].



Layout (Filters)

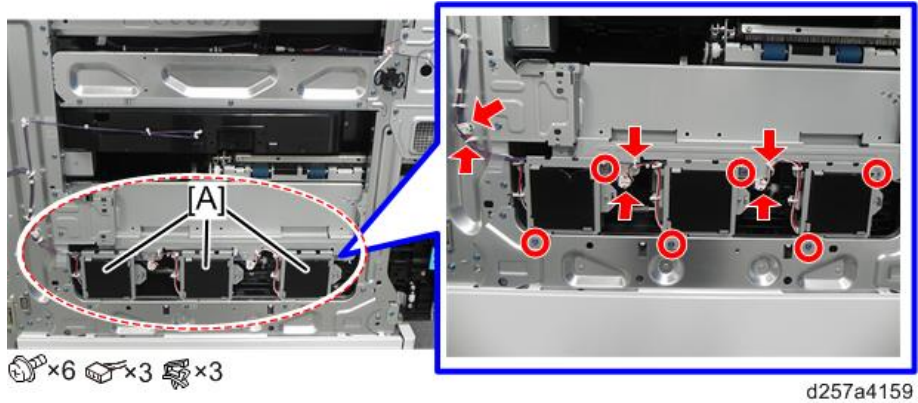


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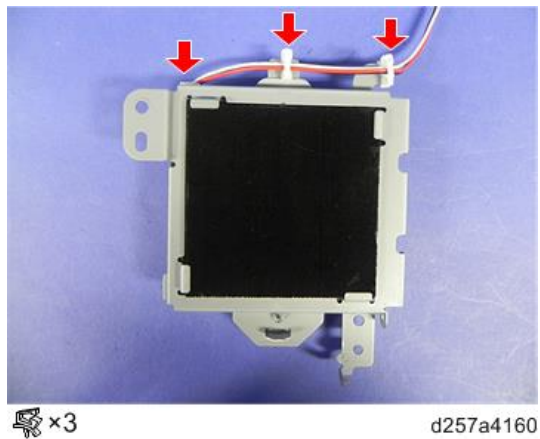
No.	Part Name	Replacement procedure	Remarks
1	Duplex Exhaust Ozone Filters	Duplex Exhaust Ozone Filters	
2	Dust Filters (Large)	Dust Filters (Large/Small)	
3	Ozone Filters (Large)	Ozone Filters (Large/Small)	
4	Deodorizing Filters	Deodorizing Filters	
5	Particulate Filters (Fusing/Paper Exit)	Particulate Filters	
6	Ozone Filters (Small)	Ozone Filters (Large/Small)	
7	Dust Filters (Small)	Dust Filters (Large/Small)	
8	Particulate Filters (Transfer/Fusing)	Particulate Filters	
9	Particulate Filters (Fusing Pressure Roller)	Particulate Filters	

Duplex Exhaust Ozone Filters

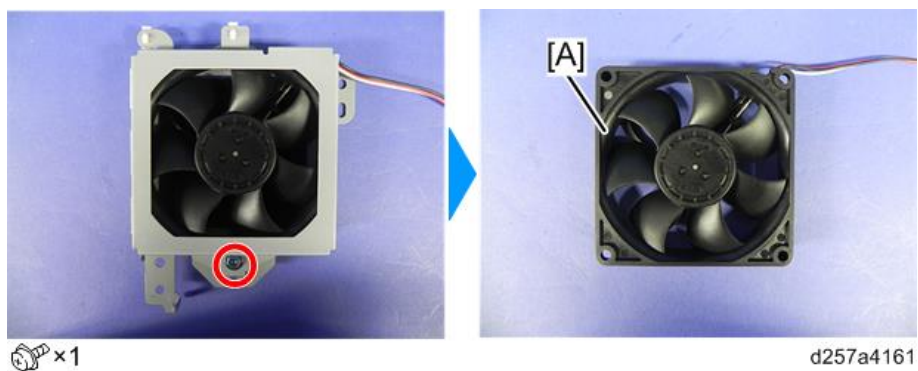
1. Remove the left middle cover. (Left Middle Cover)
2. Remove the duplex exhaust fans [A] along with the bracket.



3. Remove the harness clamps.

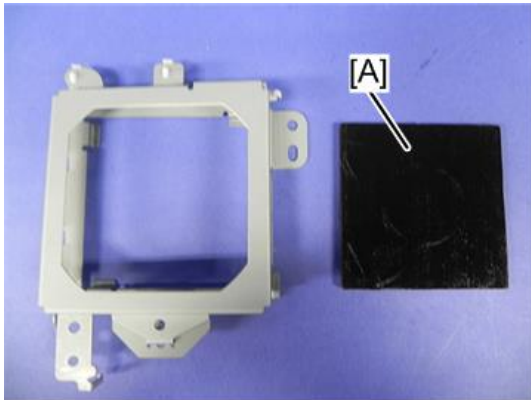


4. Remove the duplex exhaust fans [A] along with the bracket.



4.Replacement and Adjustment

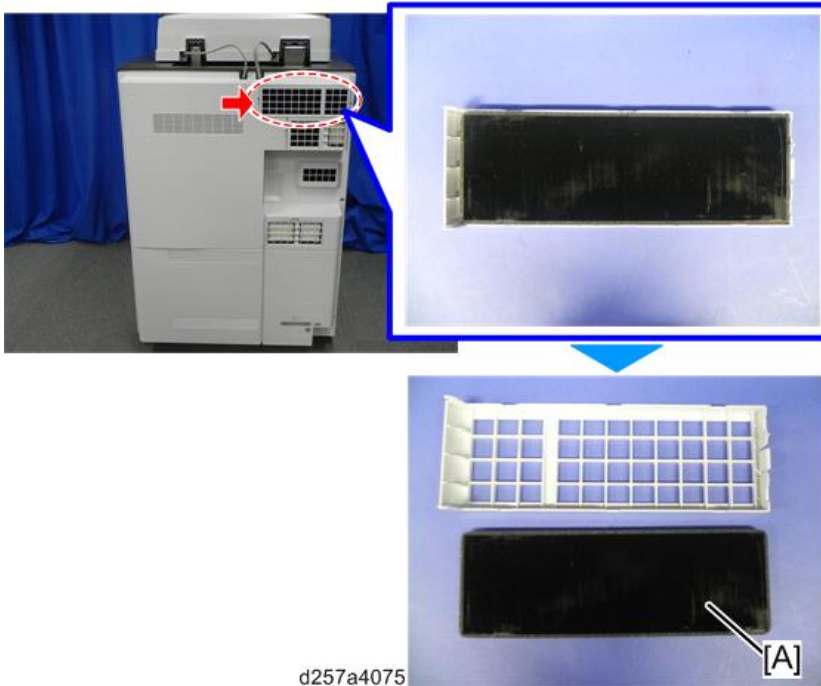
5. Remove the duplex exhaust ozone filters [A].



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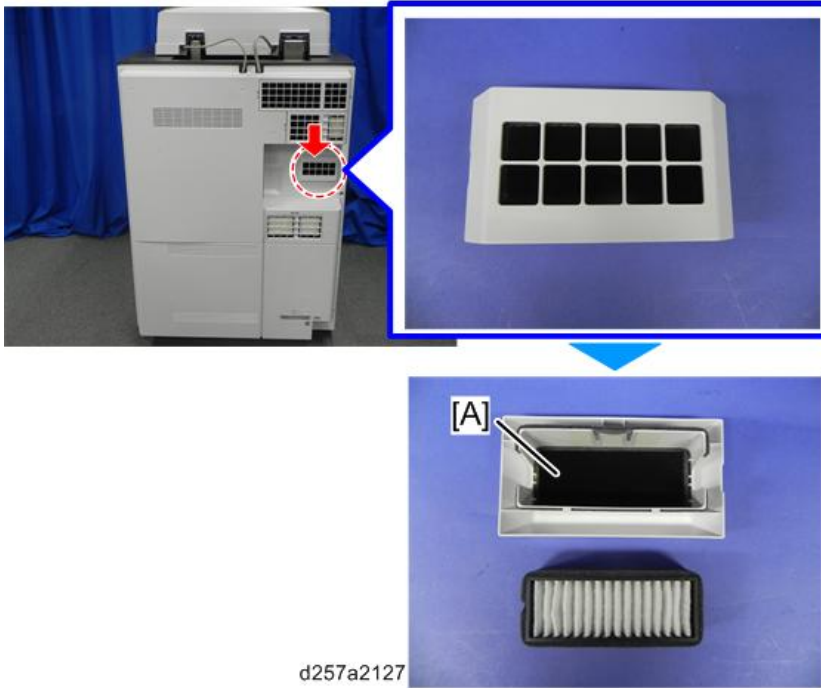
Ozone Filters (Large/Small)

1. Remove the ozone filter (large) [A].



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2. Remove the ozone filter (small) [A].



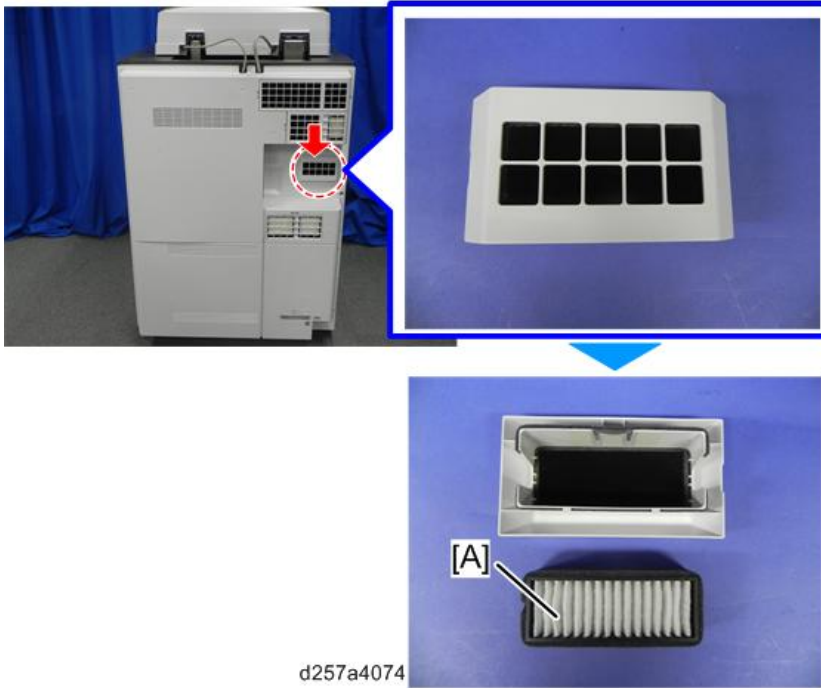
Dust Filters (Large/Small)

1. Remove the dust filter (large) [A].



4.Replacement and Adjustment

2. Remove the dust filter (small) [A].

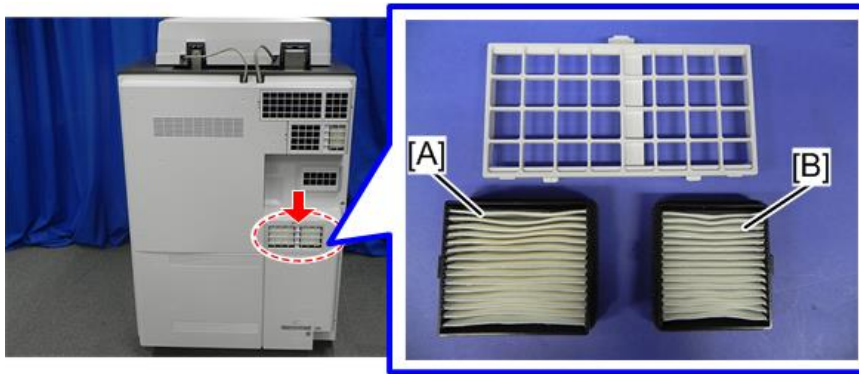


Particulate Filters

1. Remove the particulate filters (fusing/paper exit) [A].



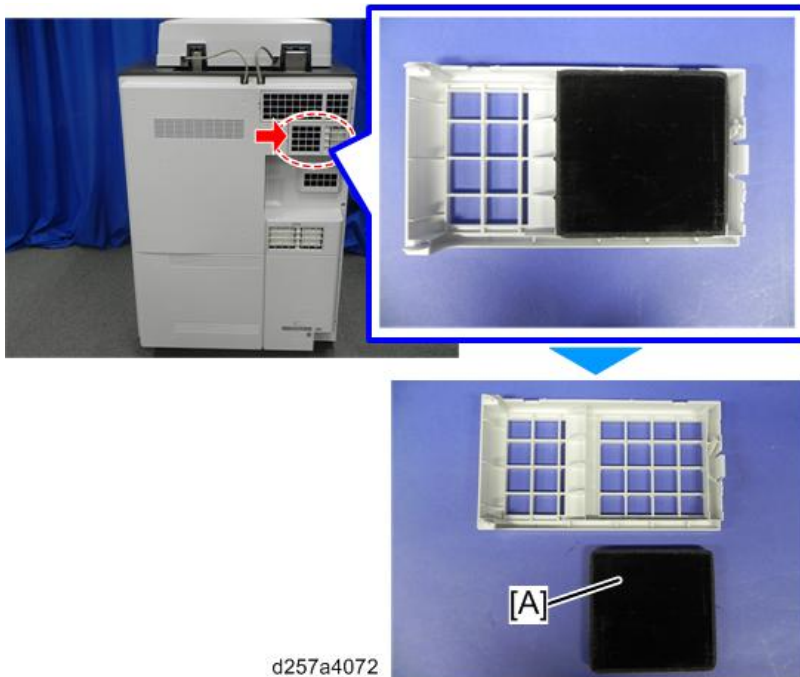
2. Remove the particulate filters (transfer/fusing) [A] and particulate filters (fusing pressure roller) [B].



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Deodorizing Filters

1. Remove the deodorizing filter [A].



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Adjustment after Replacement

The following items need to be adjusted after replacement of parts.

Part	Implementation items	References
ADF	<ul style="list-style-type: none"> CIS RGB Adjustment (SP4-712/713/714) ADF Adjustment Side-to-Side Registration (SP6-006-001/002) ADF Adjustment L-Edge Regist (1-Pass) (SP6-006-010/011) DF Magnification Adj.(SP6-017) 	Adjustment after Replacing the ADF
Lens Block	<ul style="list-style-type: none"> Main Scan Registration Adjustment (SP4-011-001) Sub Scan Registration Adjustment (SP4-010-001) Sub Scan Magnification Adjustment (SP4-008-001) 	Magnification and Registration Adjustment
Scanner Drive Motor	<ul style="list-style-type: none"> Sub Scan Magnification Adjustment (SP4-008-001) 	Magnification and Registration Adjustment
Scanner Wire	<ul style="list-style-type: none"> Make a test copy. Make sure there is no deviation in registration and magnification. If there is a deviation, adjust the SPs for registration and magnification. 	Magnification and Registration Adjustment
Laser Unit	<ul style="list-style-type: none"> Image Parameters (SP2-108-001/002) Color Registration (User Tools) 	Adjustment after Laser Unit Replacement
PCDU Drum Unit Development Unit Development Filter Drum Cleaning Unit Lubricant Blade Drum Cleaning Blade Lubrication Roller Charge Roller Unit	<ul style="list-style-type: none"> DEMS: Execute (SP3-040-001/002/003/004/005) 	
Image Transfer Belt Unit Transfer Belt	<ul style="list-style-type: none"> Force Apply Lubricant Execute (SP2-696-001) 	Lubrication after replacement

4.Replacement and Adjustment

Part	Implementation items	References
ITB Cleaning Unit ITB Cleaning Blade ITB Lubricant Bar ITB Lubricant Blade	<ul style="list-style-type: none"> Force Apply Lubricant Execute (SP2-696-001) 	Lubrication after Replacement

5. System Maintenance

Service Program Mode

CAUTION

- Make sure that the data-in LED (🔌) is not on before you go into the SP mode. This LED indicates that some data is coming to the machine. When the LED is on, wait for the copier to process the data.

Note

- The Service Program Mode is for use by service representatives only. If this mode is used by anyone other than service representatives for any reason, data might be deleted or settings might be changed. In such case, product quality cannot be guaranteed any more.

Entering SP Mode

Pro C5200S/C5210S

- When using the standard operation panel: For details, ask your supervisor.
- When using the smart operation panel: If there are no Classic Application (copy/printer/scanner/fax) icons on the HOME screen, see [When using the smart operation panel](#).

MP C6503/C8003

If there are no Classic Application (copy/printer/scanner/fax) icons on the HOME screen, see [When using the smart operation panel](#).

When using the smart operation panel

If there are no Classic Application (copy/printer/scanner/fax) icons on the Home screen, follow the procedure below to display the number keyboard.

1. Press and hold the button [A] located at the left side of the operation panel and "Check Status [B]" at the same time, until the number keyboard is displayed.



2. Enter the key code for SP mode.



For details of the key code to enter the SP mode, ask your supervisor.

Exiting SP Mode

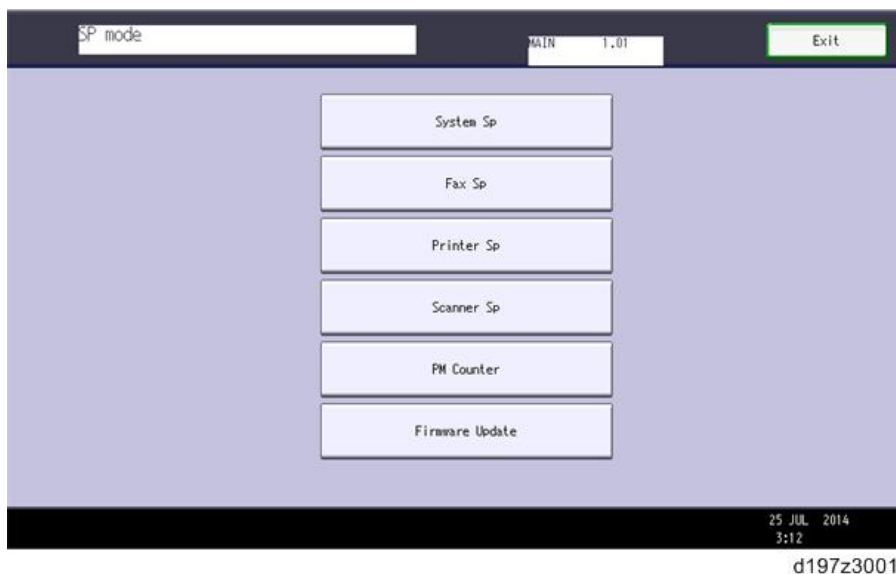
Press "Exit" on the LCD twice to return to the copy window.

Types of SP Modes

- System SP: SP modes related to the engine functions
- Printer SP: SP modes related to the controller functions
- Scanner SP: SP modes related to the scanner functions
- Fax SP: SP modes related to the fax functions

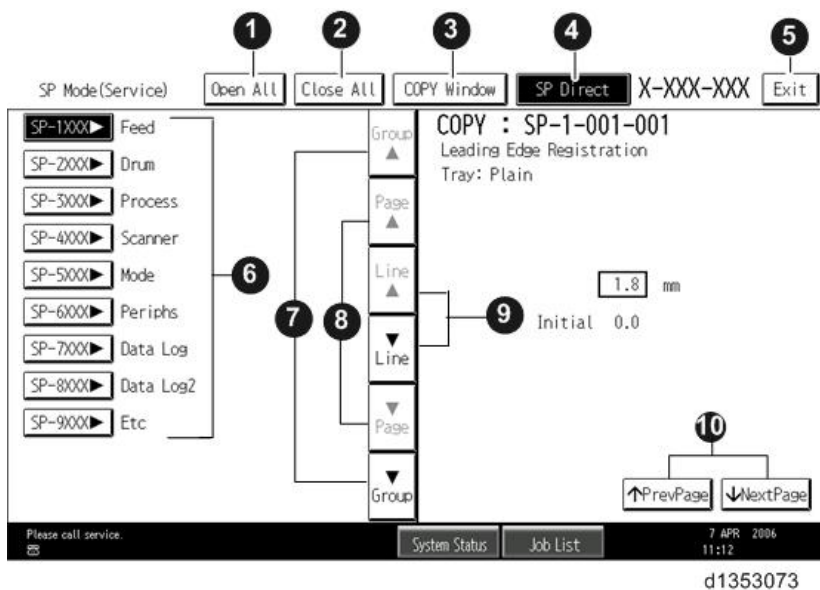
Select one of the Service Program modes (System, Printer, Scanner, or Fax) from the touch panel as shown in the diagram below after you access the SP mode. This section explains the functions of the System/Printer/Scanner SP modes. Refer to the Fax service manual for the Fax SP modes.

5. System Maintenance



SP Mode Button Summary

Here is a short summary of the touch-panel buttons.



1	Opens all SP groups and sublevels.
2	Closes all open groups and sublevels and restores the initial SP mode display.
3	Opens the copy window (copy mode) so you can make test copies. Press SP Mode (highlighted) in the copy window to return to the SP mode screen,
4	Enter the SP code directly with the number keys if you know the SP number. Then press [#]. The required SP Mode number will be highlighted when pressing [#]. If not, just press the required SP Mode number.)
5	Press two times to leave the SP mode and return to the copy window to resume normal operation.
6	Press any Class 1 number to open a list of Class 2 SP modes.
7	Press to scroll to the previous or next group.
8	Press to scroll to the previous or next display in segments the size of the screen display (page).
9	Press to scroll to the previous or next line (line by line).

10	Press to move the highlight on the left to the previous or next selection in the list.
----	--

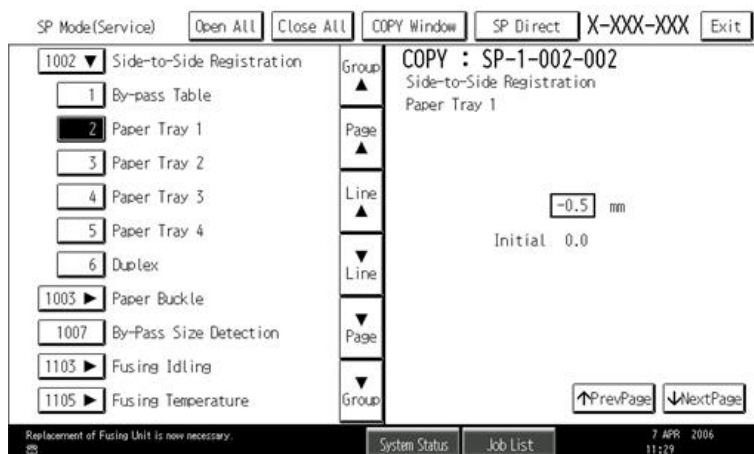
Switching Between SP Mode and Copy Mode for Test Printing

1. In the SP mode, select the test print. Then press "Copy Window".
2. Use the copy window (copier mode) to select the appropriate settings (paper size, etc.) for the test print.
3. Press "Start" to start the test print.
4. Press SP Mode (highlighted) to return to the SP mode screen and repeat from step 1.

Selecting the Program Number

Program numbers have two or three levels.

1. Refer to the Service Tables to find the SP that you want to adjust before you begin.
2. Press the Group number on the left side SP Mode window that contains the SP that you want to adjust.
3. Use the scrolling buttons in the center of the SP mode window to show the SP number that you want to open. Then press that number to expand the list.
4. Use the center touch-panel buttons to scroll to the number and title of the item that you want to set and press it. The small entry box on the right activates and shows the default or the current settings.



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Note

- Refer to the Service Tables for the range of allowed settings.
5. Do this procedure to enter a setting:
 - Press \ominus to toggle between plus and minus and use the keypad to enter the appropriate number. The number you enter writes over the previous setting.
 - Press "#" to enter the setting. (The value is not registered if you enter a number that is out of range.)
 - Press "Yes" when you are prompted to complete the selection.
 6. If you need to perform a test print, press Copy Window to open the copy window and select the settings for the test print. Press "Start" and then press SP Mode (highlighted) in the copy window to return to the SP mode display.
 7. Press Exit two times to return to the copy window when you are finished.

5. System Maintenance

Service Mode Lock/Unlock

At locations where the machine contains sensitive data, the customer engineer cannot operate the machine until the Administrator turns the service mode lock off. This function makes sure that work on the machine is always done with the permission of the Administrator.

1. If you cannot go into the SP mode, ask the Administrator to log in with the User Tools and then set "Service Mode Lock" to OFF after he or she logs in:

"Machine Features" screen > "System Settings" > "Administrator Tools" > "Service Mode Lock" > OFF

- You can access the "Machine Features" screen with the following procedure.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
 - MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".
- This unlocks the machine and lets you access all the SP codes.
- The CE can service the machine and turn the machine power OFF then ON. It is not necessary to ask the Administrator to log in again each time the main power is turned ON.

2. Go into the SP mode and set SP5-169 to "1" if you must use the printer bit switches.

3. After machine servicing is completed:

- Change SP5-169 from "1" to "0".
- Turn the machine power OFF then ON. Tell the administrator that you have completed servicing the machine.
- The Administrator will then set the "Service Mode Lock" to ON.

Remarks

The maximum number of characters which can show on the control panel screen is limited to 30 characters. For this reason, some of the SP modes shown on the screen need to be abbreviated. The following are abbreviations used for the SP modes for which the full description is over 20 characters.

Item	Description
Paper Weight	Pro C5200S/C5210S <ul style="list-style-type: none">• Paper Weight 1: 52.3-65.9 g/m², 14.0-17.9lb. Bond• Paper Weight 2: 66.0-80.9 g/m², 18.0-21.9lb. Bond• Paper Weight 3: 81.0-100.9 g/m², 22.0-27.0lb. Bond• Paper Weight 4: 101.0-127.4 g/m², 27.1-34.0lb. Bond• Paper Weight 5: 127.5-150.0 g/m², 34.1-40.0lb. Bond• Paper Weight 6: 150.1-216.0 g/m², 40.1-57.9lb. Bond• Paper Weight 7: 216.1-256.0 g/m², 58.0-68.0lb. Bond• Paper Weight 8: 256.1-300.0 g/m², 68.1-80.0lb. Bond• Paper Weight 9: 300.1-360.0 g/m², 80.1-96.0lb. Bond

Item	Description
	MP C6503/C8003 <ul style="list-style-type: none"> Thin Paper: 52.3-65.9 g/m², 14.0-17.9lb. Bond Plain Paper 1: 66.0-80.9 g/m², 18.0-21.9lb. Bond Plain Paper 2: 81.0-100.9 g/m², 22.0-27.0lb. Bond Middle Thick: 101.0-127.4 g/m², 27.1lb.Bond-46.9lb. Cover Thick Paper 1: 127.5-150.0 g/m², 47.0-55.0lb. Cover Thick Paper 2: 150.1-216.0 g/m², 55.1-79.9lb. Cover Thick Paper 3: 216.1-256.0 g/m², 80.0lb. Cover-141.0lb.Index Thick Paper 4: 256.1-300.0 g/m², 141.1-165.0lb. Index
Paper Type	N: Normal paper MTH: Middle thick paper TH: Thick paper
Paper Feed Station	P: Paper tray B: Bypass table
Print Mode	S: Simplex D: Duplex

Others

The settings of each SP mode are explained in the right-hand column of the SP table in the following way.

[Adjustable range / **Default setting** / Step] Alphanumeric

Note

- If "Alphanumeric" is written to the right of the bracket as shown above, the setting of the SP mode shows on the screen using alphanumeric characters instead of only numbers. However, the settings in the bracket in the SP mode table are explained by using only numbers.

The following symbols are used in the SP mode tables.

Notation	What it means
ENG	Engine SP
CTL	Controller SP
FA	Factory setting: Data may be adjusted from the default setting at the factory. Refer to the factory setting sheets enclosed. You can find it in the front cover.
DFU	Design/Factory Use only: Do not touch these SP modes in the field.
*	An asterisk (*) to the left side of ENG/CTL column means that this mode is stored in the NVRAM. If you do a RAM clear, this SP mode will be reset to the default value. "ENG" and "CTL" show which NVRAM contains the data. <ul style="list-style-type: none"> *ENG: NVRAM on the BICU board *CTL: NVRAM on the controller board
SSP	This denotes a "Special Service Program" mode setting.

SP Tables

See "Appendices" for the following information:

- SP Group 1000
- SP Group 2000
- SP Group 3000
- SP Group 4000
- SP Group 5000
- SP Group 6000
- SP Group 7000
- SP Group 8000
- Input and Output Check
- Printer SP Mode
- Scanner SP Mode

Firmware Update (SD Card)

Overview

In order to update the firmware of this machine, it is necessary to download the latest version of firmware to an SD card.

Insert the SD card into SD card slot 2 beside the rear left of the controller box.

Types of firmware update files, supported update methods:

	SFU	SD Card	RFU	ARFU
Individual firmware	N/A	Available	Available	N/A
Package firmware	Available	Available	Available	Available

Firmware Types

Firmware type	Firmware location	Message Display
System/Copy	Controller Board	CHAC2a_system
Engine	BICU	
Operation Panel	Operation Panel	
ADF	ADF	
FCU	FCU	
Network Support	Operation Panel	CHAC2a_net
BIOS	BICU	
HDD format option	Controller Board	GW2a_zoffyxonb
RPCS	Controller Board	CHAC2eprtRPCS
PS	Controller Board	
PCL	Controller Board	CHAC2eprtPCL
PCLXL	Controller Board	CHAC2eprtPCL
PDF	Controller Board	CHC2eprtPDF
PictBridge	Controller Board	
MediaPrint: JPEG	Controller Board	CHAC2eprinter
MeidaPrint: TIFF	Controller Board	CHAC2eprinter
XPS	Controller Board	
FONT	Controller Board	GW13eprtSAMf
FONT1	Controller Board	GW3a_pcl_fntl
FONT2	Controller Board	GW2eprt_psfnt8
Copy	Operation Panel	
NetworkDocBox	Operation Panel	CHAC2a_netfile
Fax apl	Operation Panel	CHAC2a_fax
Printer apl	Operation Panel	CHAC2eprinter

5. System Maintenance

Firmware type	Firmware location	Message Display
Scanner apl	Operation Panel	CHAC2a_scn
RemoteFax apl	Operation Panel	
Websupport	Operation Panel	CHCA2a_web
WebUapl	Operation Panel	CHAC2a_webua

What is Included in the Firmware Package

Modules included in the firmware package are indicated by ticks (✓).

Firmware not included in the package require updating by SD cards, etc.

Included	Firmware
-	aics
✓	animation
✓	Application Site
✓	BluetoothService
✓	CheetahSystem
-	CSPF
-	Data Erase Onb
-	EcoInfoWidget
✓	Engine
-	External Auth
✓	Fax
-	FaxInfoWidget
✓	GWFCU3.8-9(WW)

Procedure

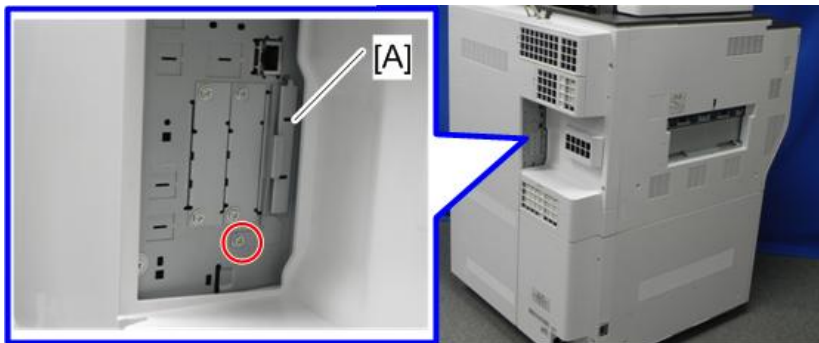
★ Important

- An SD card is a precision device, so when you handle an SD card, respect the following.
- When the power is switched ON, do not insert or remove a card.
- During installation, do not switch the power OFF.
- Since the card is manufactured to high precision, do not store it in a hot or humid location, or in direct sunlight.
- Do not bend the card, scratch it, or give it a strong shock.
- Before downloading firmware to an SD card, check whether write-protection of the SD card is canceled. If write-protection is enabled, an error code (error code 44, etc.) will be displayed during download, and the download will fail.
- Before updating firmware, remove the network cable from this machine.
- If SC818 is generated during software update, switch the power OFF -> ON, and complete the update which was interrupted.

- During software update, disconnect network cables and interface cables, remove wireless boards, etc., (so that they are not accessed during the update).

Update procedure

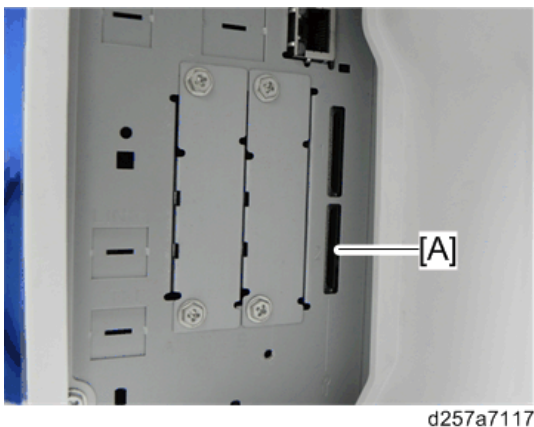
- 1.** First download the new firmware to the SD card.
- 2.** Turn OFF the main power.
- 3.** Remove the SD card slot cover [A].



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- 4.** Insert the SD card into SD card slot 1 [A: Lower Slot].



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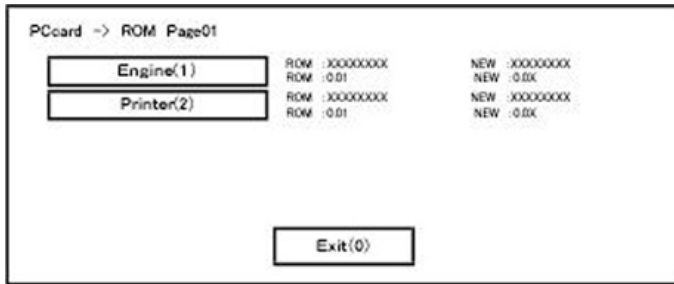
Note

- Check whether the card is properly in the SD card slot. When a SD card is inserted, a click is heard, and it is locked.
- To remove the card, release by pressing once.

- 5.** Turn ON the main power.
- 6.** Wait until the update screen starts (about 45 seconds).
When it appears, "Please Wait" is displayed.

5. System Maintenance

7. Check whether a program installation screen is displayed. (English display) When the SD card contains two or more software modules, they are displayed as follows.



<<When two or more software names are displayed>>

1. Press the module selection button or [1] - [5] on the 10-key pad.
2. Choose the appropriate module. (If already selected, cancel the selection)

Operation of keys or buttons

Keys or buttons to press	Contents
[Exit] or 10-key pad [0]	Returns to normal screen.
[Start] Key	Select all modules.
[Clear/Stop] key	Cancel all selections.

Display contents

On the above screen, two programs, i.e., engine firmware and printer application are displayed. (The screen may change depending on the firmware or application).

The display contents are as follows:

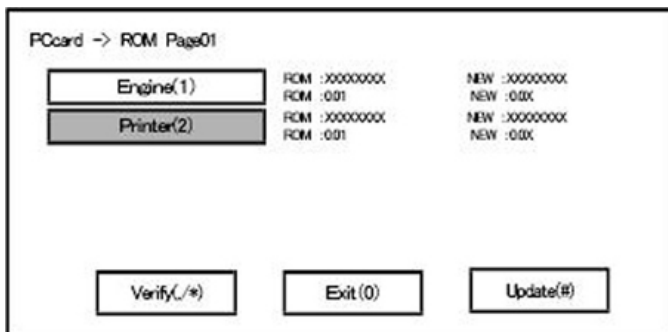
Display	Contents
ROM:	Display installed module number / version information.
NEW:	Display module number / version information in the card.

The upper row corresponds to the module name, the lower row corresponds to the version number.

8. Select the module with the module selection button or 10 key pad operation. The selected module is highlighted, and [Verify] and [Update] are displayed.

Note

- Depending on the combination of modules to update, it may not be possible to select all of them simultaneously.



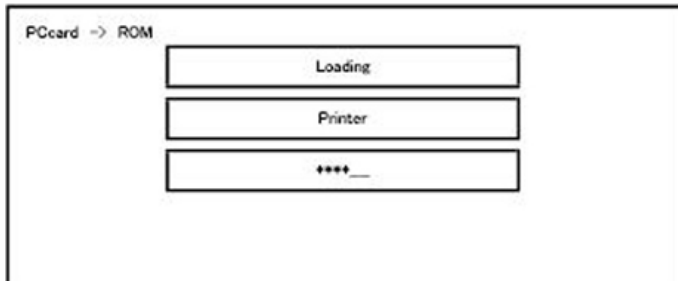
<<Key or button operations>>

Keys or buttons to press	Contents
[Update] or [#] key	Update the ROM of the selected module.

Keys or buttons to press	Contents
[Verify] button or [./*] key	Perform verification of the selected module.

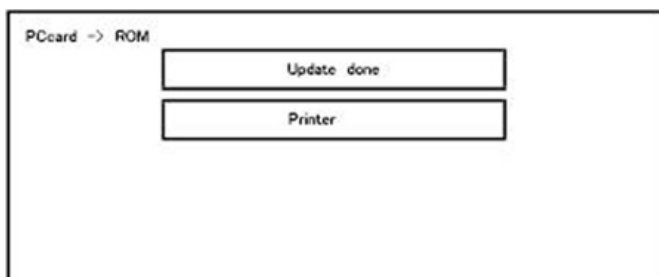
9. Press the [Update] or [#] key, and perform software update.

10. During firmware update, a "firmware update/ verification progress screen" is displayed. When firmware update is complete, a "firmware update end screen" is displayed.



- In the middle row, the name of the module currently being updated is displayed. (in this case, the printer module is being updated)
- In the lower row, a progress bar is displayed in ten steps. (The more *, the more the progress.)

<<Firmware update end screen>>



- This screen is displayed when all selected firmware modules are to be updated. "Printer" in the second row shows that the module updated last is the printer. (When more than one were updated simultaneously, only the module that was updated last is displayed.)
- When Verify has completed normally, the Update done display of the above screen is "Verify done." If "Verify Error" is displayed, reinstall the software of the application displayed in the lower row.

11. After turning the main power OFF, remove the SD card.

12. Turn the main power ON again, and check whether the machine is operating normally.

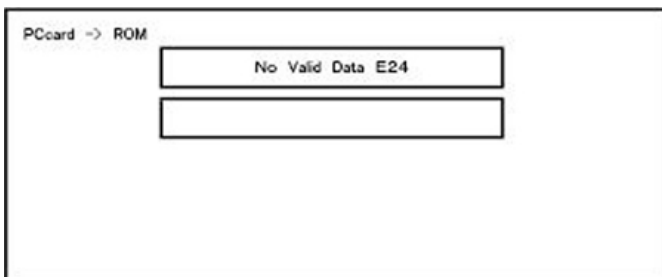
13. Return the SD card slot cover to the original position.

↓ Note

- When the power supply is switched OFF during firmware update, update is interrupted, and the power is switched ON again, normal operation cannot be guaranteed.
- To guarantee operation, an update error continues to be displayed until update is successful.
- In this case, insert the SD card again, switch the power ON, and continue download of firmware from the SD card automatically.
- The PS3 firmware program is included in the preinstalled PDF firmware. In the default state, although the PS3 firmware program is hidden in the disabled state, the function is enabled by installing the PS3 card. (The program installed in the PS3 card is a dongle (key) for enabling the PS3 function).
- Due to the above specification, the self-diagnosis result report shows the ROM module number /

software version of the PDF firmware at the PS location.

Error Screens During Updating



EXX shows an error code.

For error codes, refer to the following table:

Error Code List

Code	Contents	Solutions
20	Physical address mapping cannot be performed.	<ul style="list-style-type: none"> Switch the main power supply off and on to try again. Re-insert the SD card to reboot it. Replace the controller board if the above solutions do not solve the problem.
21	Insufficient memory for the download	<ul style="list-style-type: none"> Switch the main power supply off and on to try again. Replace the controller board if the updating cannot be done by switching the power off and on.
22	Decompression of compressed data failed.	<ul style="list-style-type: none"> Switch the main power supply off and on to try again. Replace the SD card used for the update. Replace the controller board if the above solutions do not solve the problem.
24	SD card access error	<ul style="list-style-type: none"> Re-insert the SD card. Switch the main power supply off and on to try again. Replace the SD card used for the update. Replace the controller board if the above solutions do not solve the problem.
32	The SD card used after download suspension is incorrect. SD cards are different between the one which was inserted before power interruption and the one which was inserted after power	<ul style="list-style-type: none"> Insert the SD card containing the same program as when the firmware update was suspended, and then switch the main power supply off and on to try again. There is a possibility that the SD card is damaged

Code	Contents	Solutions
	interruption.	<p>if the update cannot be done after the correct SD card has been inserted. In this case, try again with a different SD card.</p> <ul style="list-style-type: none"> • Replace the controller board if the above solutions do not solve the problem. <p>Replace all relevant boards if the update is done for the BICU and FCU.</p> <p>Replace the operation panel unit if the update is done for the operation panel.</p>
33	Card version error. The wrong card version is downloaded.	<ul style="list-style-type: none"> • Install the correct ROM update data for each version in the SD card.
34	Destination error. A card for the wrong destination is inserted.	<ul style="list-style-type: none"> • Install the correct ROM update data for each destination (JPN/ EXP/ OEM) in the SD card.
35	Model error. A card for the wrong model is inserted.	<ul style="list-style-type: none"> • Install the correct ROM update data for each model in the SD card.
36	Module error. The program to be downloaded does not exist on the main unit. The download destination specified by the card does not match up to the destination for the main unit's program.	<ul style="list-style-type: none"> • Install the program to be updated in advance. • There is a possibility that the SD card containing the program to be updated has not been mounted. Check to confirm that the SD card has been correctly mounted. • The SD card is incorrect if the program to be updated has been correctly installed. In this case, insert the correct SC card.
38	The version of the downloaded program has not been authorized for the update.	<ul style="list-style-type: none"> • Make sure that the program to be overwritten is the specified version.
40	Engine download fails.	<ul style="list-style-type: none"> • Switch the main power supply off and on to try again. • If the download fails again, replace the controller board and the BICU.
41	Fax download fails.	<ul style="list-style-type: none"> • Switch the main power supply off and on to try again. • If the download fails again, replace the controller board and the FCU board.
42	Control panel / language download fails.	<ul style="list-style-type: none"> • Switch the main power supply off and on to try again. • If the download fails again, replace the controller board and the operation panel unit.
43	Printing download fails.	<ul style="list-style-type: none"> • Switch the main power supply off and on to try

5. System Maintenance

Code	Contents	Solutions
		<p>again.</p> <ul style="list-style-type: none"> The SD card is damaged if the update fails again. Replace the SD card.
44	The data to be overwritten cannot be accessed when controller-related programs are downloaded.	<ul style="list-style-type: none"> Switch the main power supply off and on to try again. Install the correct ROM update data in the SD card. Replace the controller board if the data to be overwritten is contained on the controller board.
49	Firmware updates are currently prohibited.	<ul style="list-style-type: none"> The setting of Update Firmware in the Administrator Tools has been set to [Prohibit] by an administrator. Amend the setting to [Do not Prohibit] and try again.
50	The results of the electronic authorization check have rejected the update data.	<ul style="list-style-type: none"> Install the correct ROM update data in the SD card.
57	@Remote is not connected at the date/time reserved for receiving the package firmware update from the network.	<ul style="list-style-type: none"> Check the @Remote connection.
58	Update cannot be done due to a reception route problem.	<ul style="list-style-type: none"> Check the @Remote connection.
59	HDD is not mounted.	<ul style="list-style-type: none"> Check the HDD connection.
60	HDD could not be used during the package firmware update.	<ul style="list-style-type: none"> Try again. Replace the HDD if the download fails again.
61	The module ID for the package firmware update is incorrect.	<ul style="list-style-type: none"> Prepare the correct package files.
62	The configuration of the package firmware update files is incorrect.	<ul style="list-style-type: none"> Prepare the correct package files.
63	Reception fails due to the power off at the reserved date/time of the remote firmware update from the network.	<ul style="list-style-type: none"> Update is to be done automatically when the next reception time has elapsed.
64	Reception fails due to the power off at the reserved date/time of the package firmware update from the network.	<ul style="list-style-type: none"> Reset the reservation date/time for the remote update.
65	Reception fails due to the status error of the machine at the reserved date/time of the remote firmware update from the network.	<ul style="list-style-type: none"> Update is to be done automatically when the next reception time has elapsed.
66	Reception failed due to the status error of the	<ul style="list-style-type: none"> Reset the reservation date/time for the remote

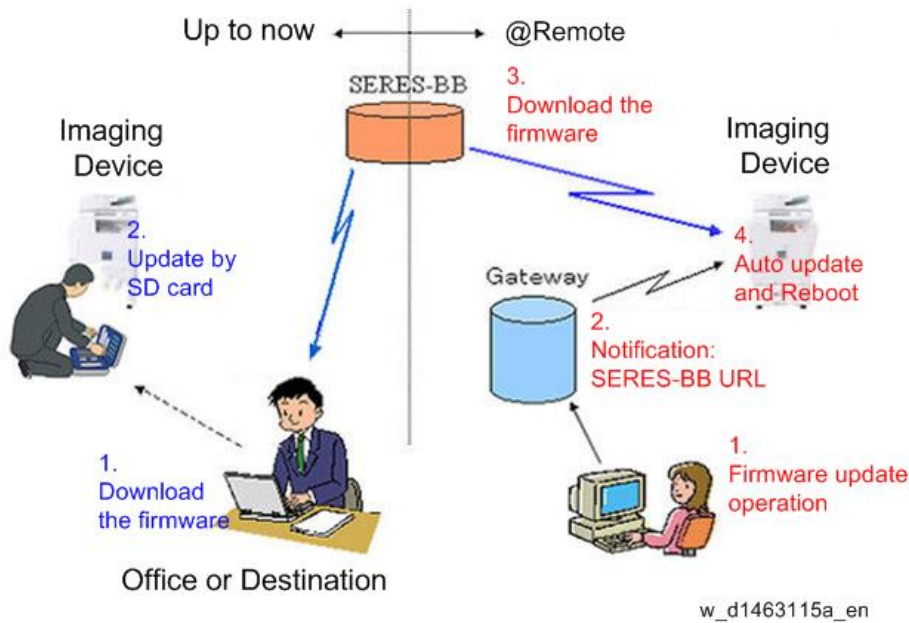
Code	Contents	Solutions
	machine at the reserved date/time of the package firmware update from the network.	update.
67	Acquisition of the latest version information from the Gateway fails at the reserved date/time of the remote firmware update from the network.	<ul style="list-style-type: none"> Check that the network is connected correctly.
68	Acquisition of the latest version information from the Gateway fails.	<ul style="list-style-type: none"> Check that the network is connected correctly.
69	Download fails at the reserved date/time of the remote firmware update from the network.	<ul style="list-style-type: none"> Check that the network is connected correctly.
70	Package firmware download from the network fails.	<ul style="list-style-type: none"> Check that the network is connected correctly.
71	Network communication error occurs at the reserved date/time of the package firmware update from the network.	<ul style="list-style-type: none"> Check that the network is connected correctly.
72	The setting of @Remote is invalid at the reserved date/time of the package firmware update from the network.	<ul style="list-style-type: none"> Set the setting of @Remote Service in the Administrator Tools to [Do not Prohibit].

 **Note**

- The PDF firmware installed as standard contains the program required to print PS3 data by default. However, this PS3 program is normally disabled.
- The PS3 firmware is a dongle (key) which enables PS3 data printing functions. When the PS3 firmware is installed, the PS3 program in the PDF firmware is enabled. Due to this specification, the self-diagnosis result report shows the ROM part number/software version of the PDF firmware contained in the PS3 program.

Firmware Update (Remote Firmware Update)

In this machine, software can be updated by remote control using @Remote.



Types of firmware update files, supported update methods:

	SFU	SD	RFU	ARFU
Individual firmware	N/A	Available	Available	N/A
Package firmware	Available	Available	Available	Available

RFU Performable Condition

RFU is performable for a device which meets the following conditions.

1. The customer consents to the use of RFU.
2. The device is connected to a network via TCP/IP for @Remote.

Firmware Update (Smart Firmware Update)

⚠ CAUTION

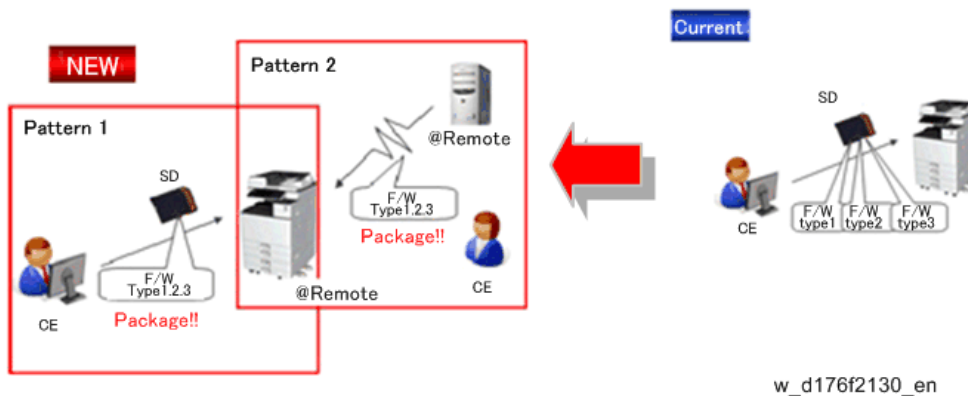
- A HDD unit must be installed on the machine to enable the SFU or the package firmware update via SD card.

Overview

Each firmware module (such as System/Copy, Engine, etc.) used to be updated individually. However, an all-inclusive firmware package (package_ALL) is now available.

There are two ways to update using the firmware package.

- Package Firmware Update via a network: SFU (Smart Firmware Update)
- Package Firmware Update with an SD card



Package Firmware Update via a network: SFU (Smart Firmware Update)

- There are two methods for SFU.
 - Immediate Update: To update the firmware when visiting
 - Update at the next visit: To set the date and time for downloading. The firmware will be automatically downloaded beforehand and updated at the following visit.
- "Update at the next visit" is recommended since firmware download may take some minutes due to the network condition.

ⓘ Note

- SFU requires the connection to @Remote via a device which has the embedded @Remote communicating function. When a machine is connected to @Remote via an intermediate device (RC Gate), the SFU function is disabled.

Package Firmware Update via an SD Card

Package firmware update can also be performed using the conventional SD card method by writing the package firmware directly to the SD card.

Types of firmware update files, supported update methods:

	SFU	SD Card	RFU	ARFU
Individual firmware	N/A	Available	Available	N/A
Package firmware	Available	Available	Available	Available

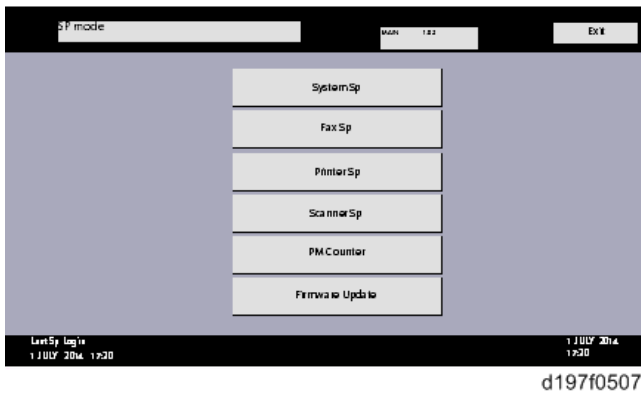
Immediate Update

Enter the [Firmware Update] menu in the SP mode and update the package firmware.

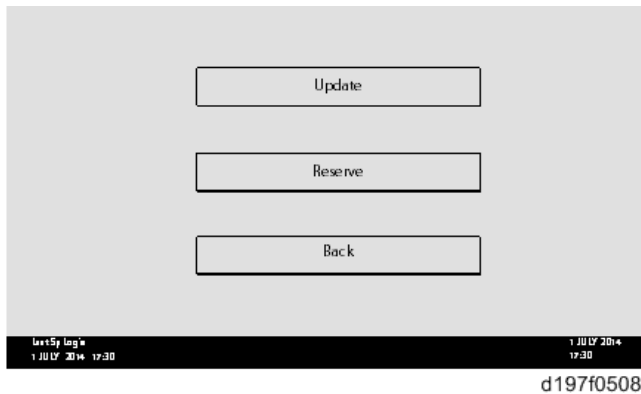
Note

- The [Firmware Update] button will appear even when a machine is connected to @Remote with a device which does not have an embedded @Remote communicating function.
- If an error code is displayed, refer to [Error Screens During Updating](#).

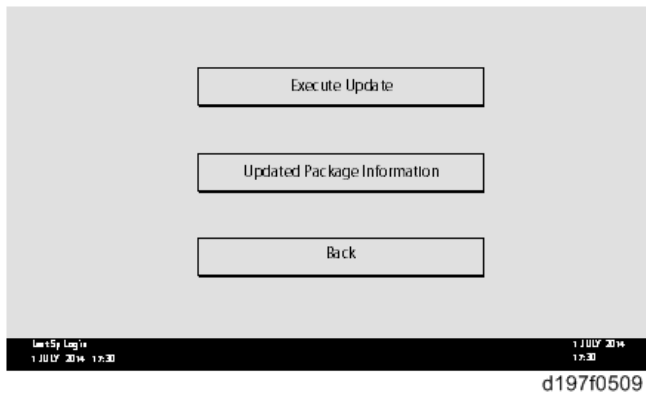
1. Enter the SP mode.
2. Touch [Firmware Update].



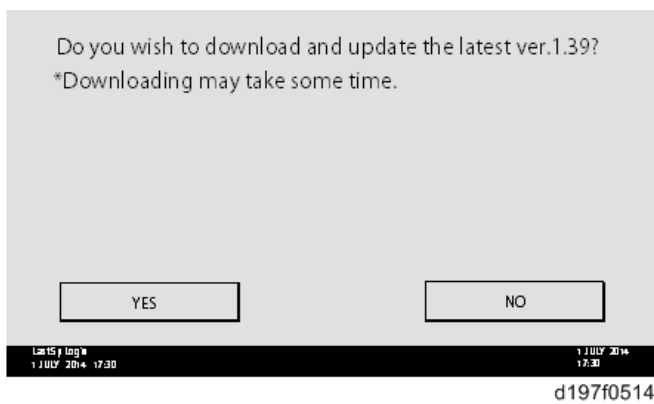
3. Touch [Update].



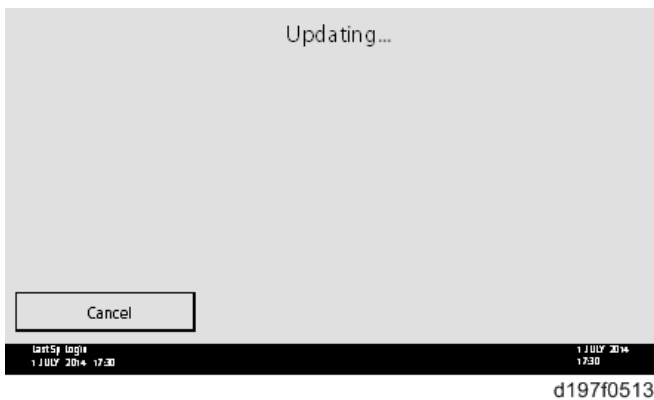
4. Touch [Execute Update].



5. Touch [YES].



6. The following will be displayed.

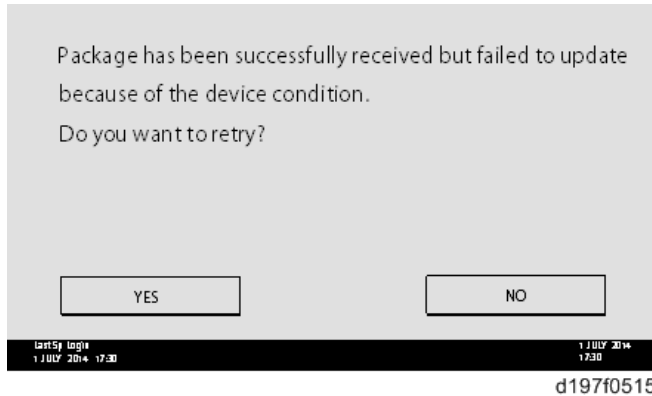


Note

- If the error code E66, which indicates that the download of the firmware has failed, is displayed, go back to step 1.
- Update will be started automatically after the download is finished.

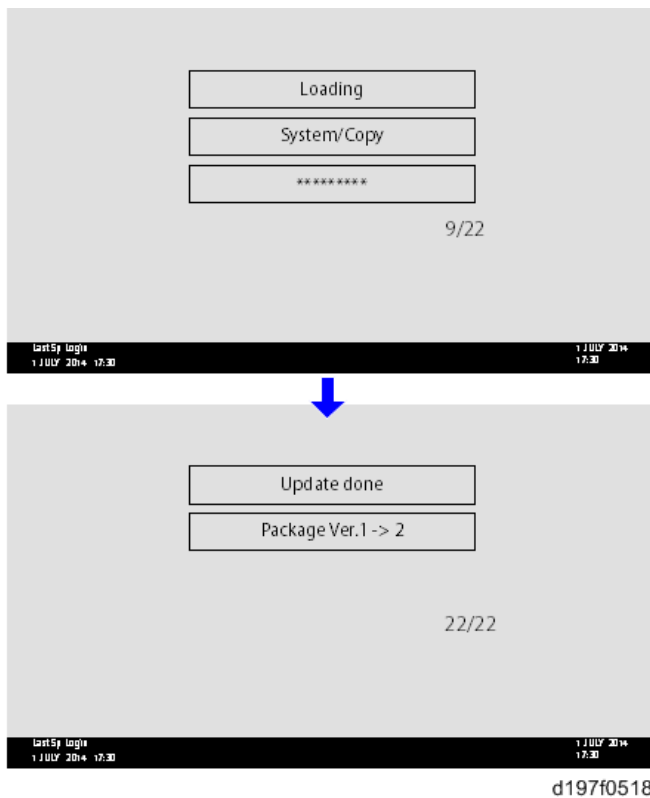
5. System Maintenance

- When the machine is in the update mode, the automatic update is suspended if a print job is started. After the print job is finished, touch [YES] on the display shown below to restart updating.



7. [Update done] is displayed.

- The machine will automatically reboot itself.



Note

- The figures at the lower right of the display indicate "Number of updated items/ All items to be updated".

Update at the Next Visit (Reserve)

It is possible to set the machine to download the package firmware which is necessary for SFU in advance, and then perform the actual installation at the next service visit. This saves waiting time for the firmware to download at the service visit.

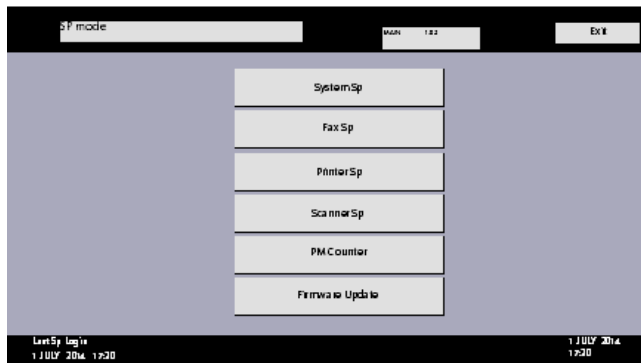
How to Set the Machine to Download Firmware Later (Reserve)

Enter the [Firmware Update] menu in the SP mode and update the package firmware.

Note

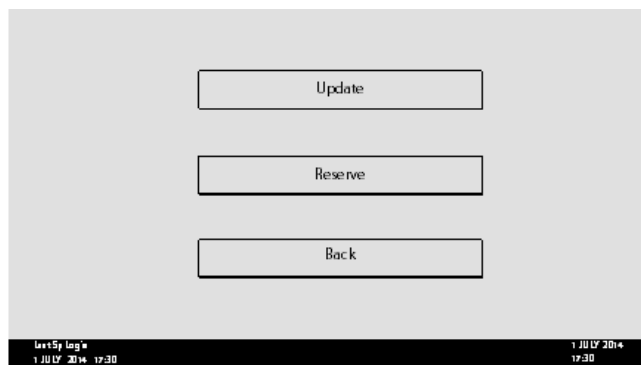
- The [Firmware Update] button will appear even when a machine is connected to @Remote with a device which does not have an embedded @Remote communicating function. If an error code is displayed, refer to [Error Screens During Updating](#).

1. Enter the SP mode.
2. Touch [Firmware Update].



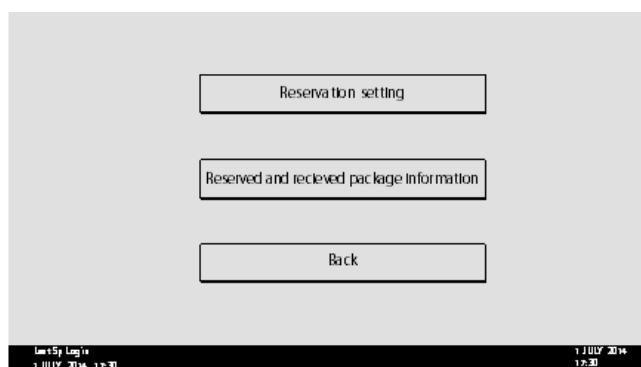
d197f0507

3. Touch [Reserve].



d197f0508

4. Touch [Reservation setting].



d197f0510

5. Enter the dates and times of the next visit and the start of receiving data.

- "Next time to visit this customer": The package firmware will be automatically downloaded by this

5. System Maintenance

time/date.

- "When to receive? (1-7)": The download of the package firmware will begin this number of days before the next visit.

Next time to visit this customer

2013 / 05 / 22 15 : 00
year month day hour minute

When to receive? (1-7) 1 day(s) before visit

Set Clear Cancel

Last Log 1 JULY 2014 17:30

d197f0512

Successful Download

In the two diagrams below, the firmware is set to be downloaded by the day before the next scheduled visit. In the first diagram, the download is successful on the first try. In the second diagram, the download fails three times and is successful on the fourth try.

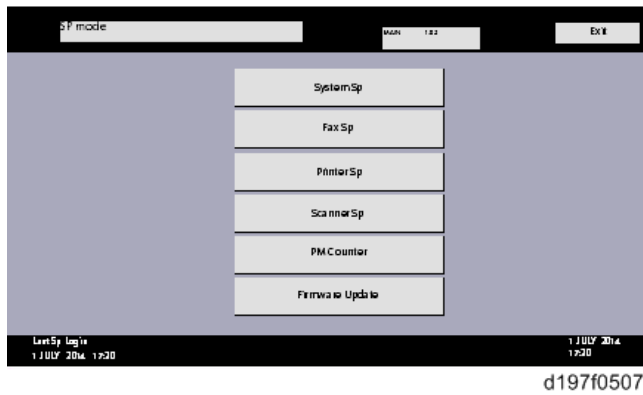


w_d197f0507_en

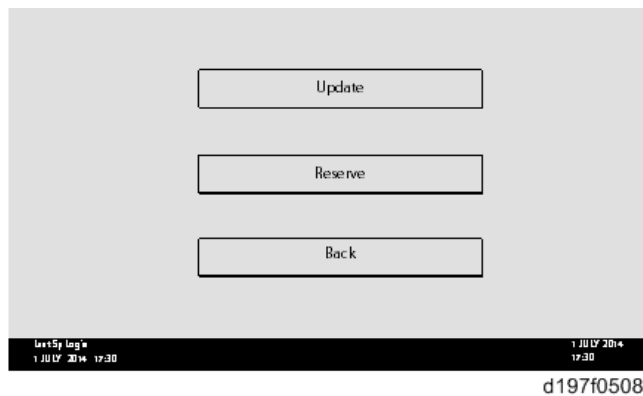
- If the firmware download fails or cannot be completed due to the network settings/condition, no power to the machine, or other reason, the machine will continue retrying every six hours until the scheduled deadline (up to a maximum of four tries). For example, if the download is set for the day before the next visit, the machine will attempt the download at 24 hours before the visit, and then continue trying every six hours (max. four tries total).
- The retry is only performed in cases when the firmware download has failed.
- If the machine is in Energy Saver mode when the download is scheduled to begin, the download will be performed in the background and the machine/panel will stay in Energy Saver mode.
- The download will continue uninterrupted even if the customer initiates a print job, copy job, fax receiving or other operation while the download is in progress.
- The download will be terminated if the customer turns the power off while the download is in progress.
- If the download cannot be completed successfully by the time of the next scheduled visit, the machine will stop trying to download the firmware.

How to Check if the Firmware Downloaded with Reserve

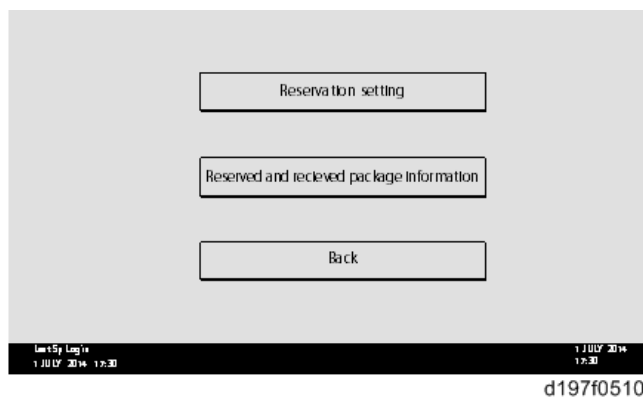
1. Enter the SP mode.
2. Touch [Firmware Update].



3. Touch [Reserve].



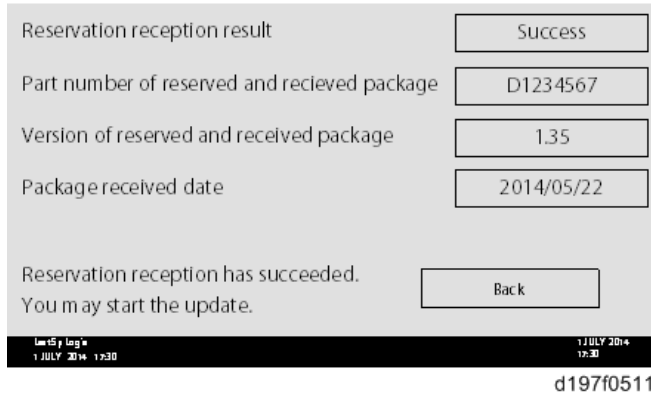
4. Touch [Reserve and received package information].



5. Check the information displayed.

When the package firmware was downloaded successfully, the details of the download result are displayed as the following picture shows.

5. System Maintenance

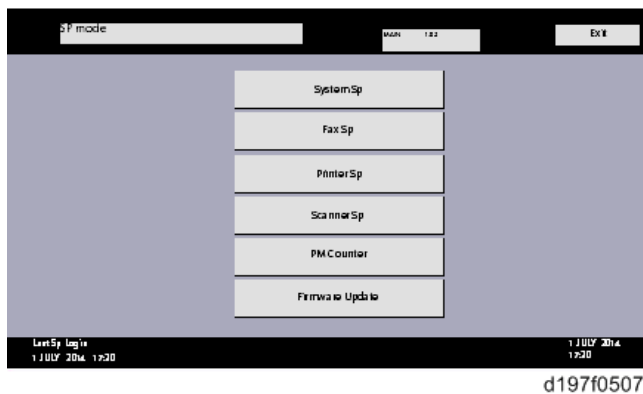


Note

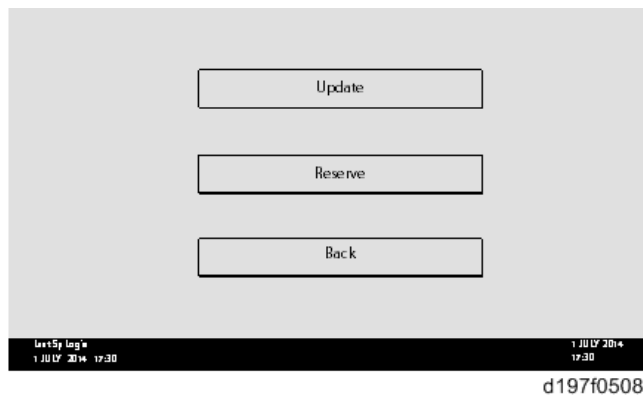
- This information will only be displayed if the reserved firmware has already been downloaded. If not, all the data items are indicated with "-".

How to Install Firmware Downloaded with Reserve

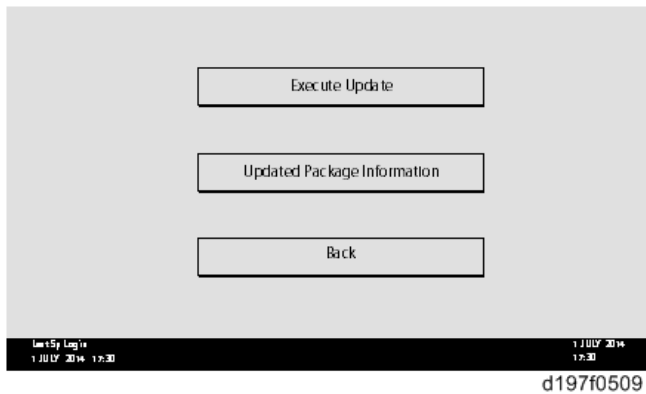
1. Enter the SP mode.
2. Touch [Firmware Update].



3. Touch [Update].

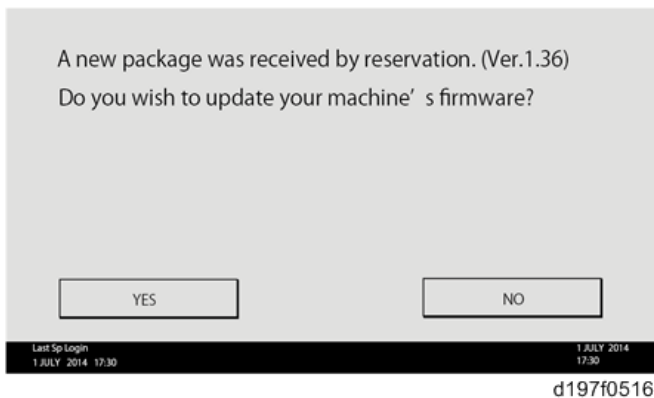


4. Touch [Execute Update].



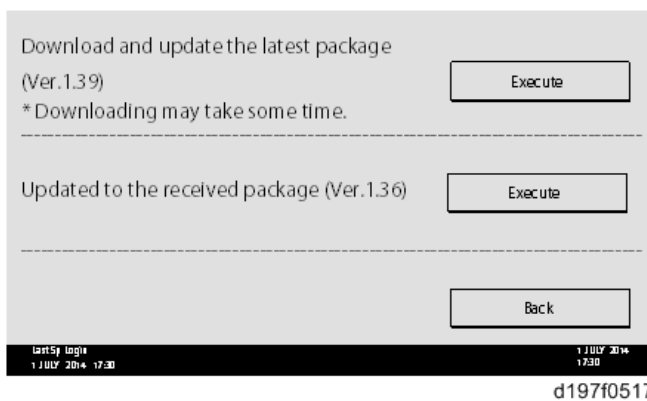
5. Check the version of the received package firmware, and then touch [YES].

- Update is started.



Note

- If the version of the reserved package in the HDD is older than the latest version, the messages shown in the following picture are displayed.

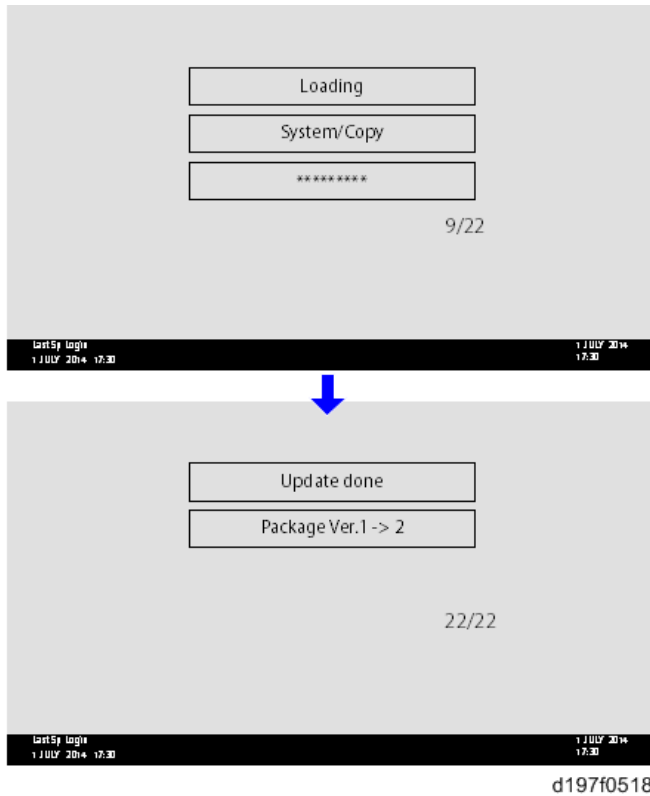


- If you wish to download the latest version, touch [Execute] beside the message "Download and update the latest package." Then update of the package firmware will be started.
- If you wish to update using the firmware in the HDD (old version), touch [Execute] beside the message "Update to the received package."

6. [Update done] is displayed.

5. System Maintenance

- The machine will automatically reboot itself.



Note

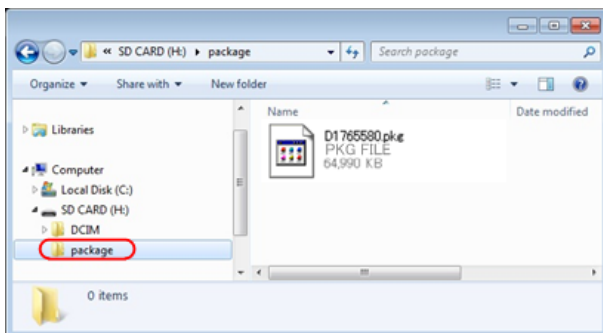
- The figures at the lower right of the display indicate "Number of updated items/ All items to be updated".

Update via SD card

Update with an SD card, which is the conventional method, is available if you write the package firmware to the SD card.

Note

- If an error code is displayed, refer to [Error Screens During Updating](#).
1. Create a new folder in the SD card, and then name it "package".
 2. Copy the package firmware (xxxxxxx.pkg) to this folder.

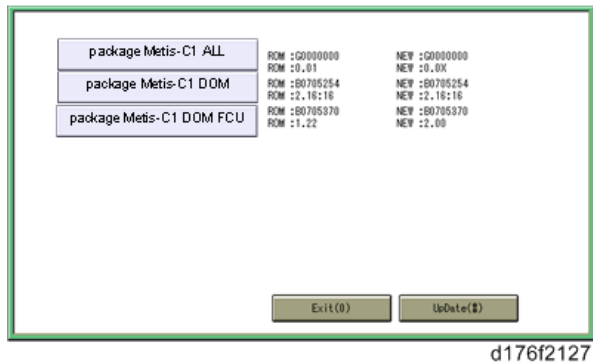


Important

- If you copy the package firmware into the conventional "romdata" folder, the update will not work.

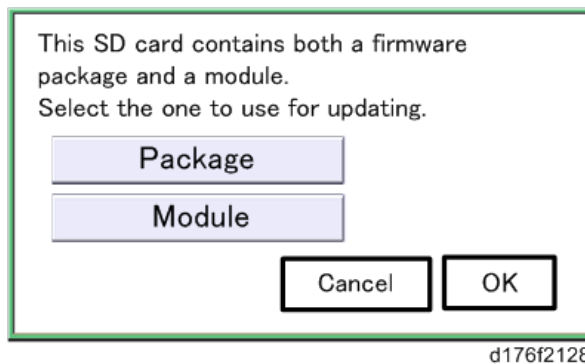
- Only one version of the package firmware should be copied into the folder. If you copy multiple versions of package firmware to the SD card, the machine will select only one version of the firmware randomly.

3. Turn the power OFF.
4. Insert the SD card which contains the package into SD card slot 2 (for service).
5. Turn the power ON and touch [Update].



Note

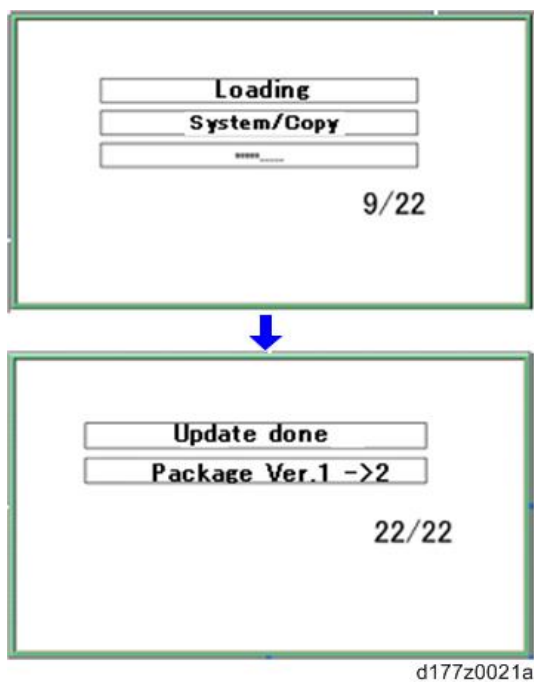
- When the SD card contains both a firmware package and one or more modules, the following display may show up. Select [Package] and touch [OK] to move to step 5 above.



6. Update is started automatically after the package firmware download to the HDD has been completed.

5. System Maintenance

7. When update is completed, "Update done" is displayed.



Note

- The figures at the lower right of the display indicate "Number of updated items/ All items to be updated".

8. Turn the main power switch OFF, and then pull out the SD card from SD card slot 2.

9. Turn the power ON.

Firmware Update (Auto Remote Firmware Update)

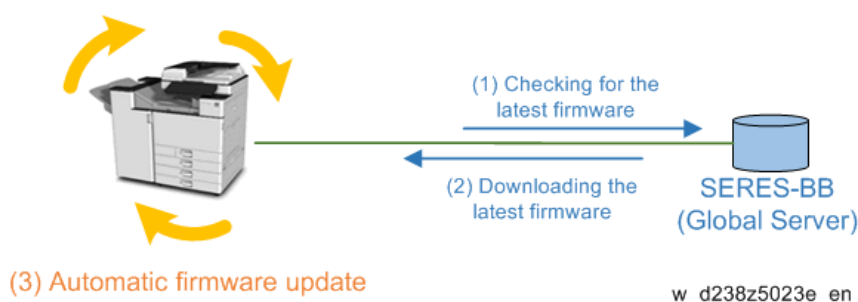
Note

- Auto remote firmware update (ARFU) requires connection to the Internet. Be sure to get permission from the customer before setting up this feature.

Overview

By Auto Remote Firmware Update (ARFU), the firmware is updated by checking the global server every 76 hours and downloading the latest package if it is newer than the one installed on the machine.

Function Overview



Types of firmware update files, supported update methods:

	SFU	SD Card	RFU	ARFU
Individual firmware	N/A	Available	Available	N/A
Package firmware	Available	Available	Available	Available

What is Included in the Firmware Package

Modules included in the firmware package are indicated by ticks (✓) in the firmware download web site.

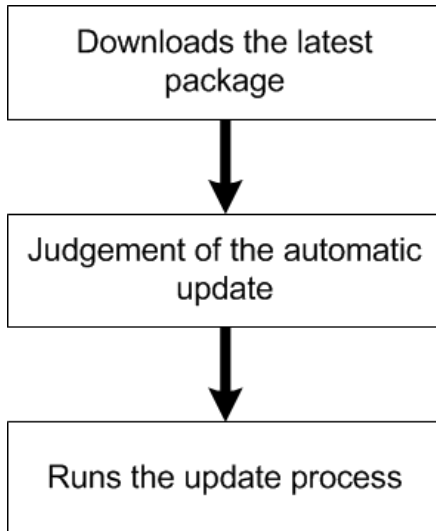
Firmware not included in the package require updating by SD cards, etc.

Included	Firmware
-	aics
✓	animation
✓	Application Site
✓	BluetoothService
✓	CheetahSystem
-	CSPF
-	Data Erase Onb
-	EcoInfoWidget
✓	Engine
-	External Auth
✓	Fax
-	FaxInfoWidget

5. System Maintenance

Included	Firmware
✓	GWFCU3.8-9(WW)

Downloading and Updating Process



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Downloads the latest package

The machine checks the server for the latest package version.

If the version of the package on the global server is later than that of the package installed on the machine, or if the machine has not downloaded the firmware package, the machine downloads the latest package in the background even when the customer is using the machine.

If download fails, the machine will retry downloading 76 hours later.

The downloaded package can also be used with SFU (Smart Firmware Update). A package downloaded with SFU (Smart Firmware Update) can be used with ARFU (Auto Remote Firmware Update) and vice versa.

When replacing the hard disk, the firmware package data becomes lost from the hard disk. Even if the latest firmware is on the new hard disk, be sure to receive the latest package data.

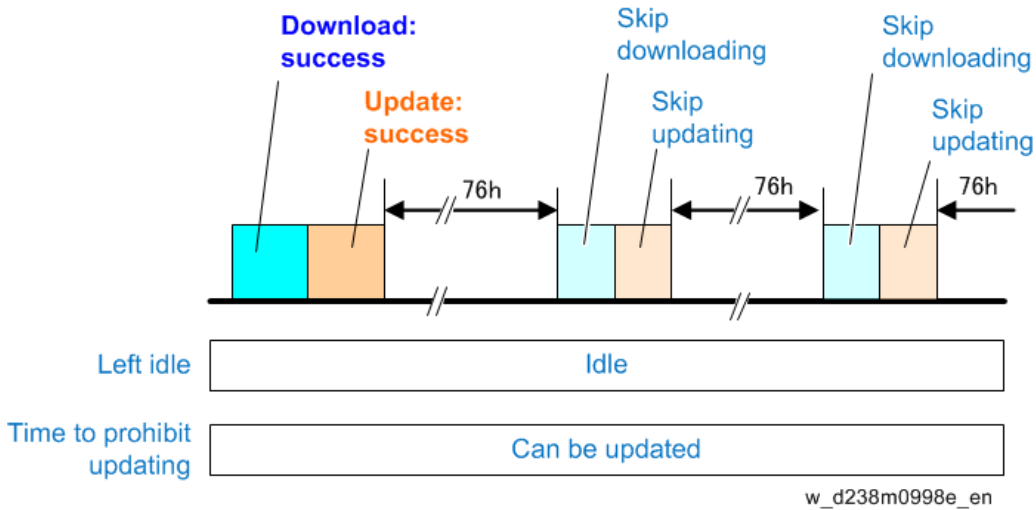
When the machine connects to the server where the package files are stored, the DNS settings and the name resolution by DNS are needed. The machine will still try to download the package even if the name cannot be resolved, but will fail because the name is not resolved.

The time and date to send the next inquiry to the global server can be checked with SP5-886-116 (Firm Update Setting: Auto Update Next Date).

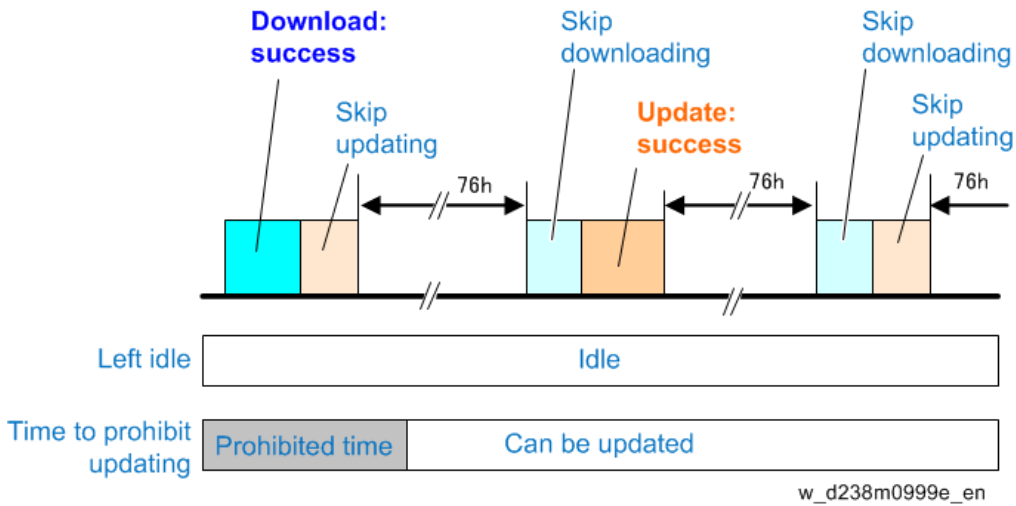
The auto remote firmware update is executed every 76 hours.

Judgement of ARFU

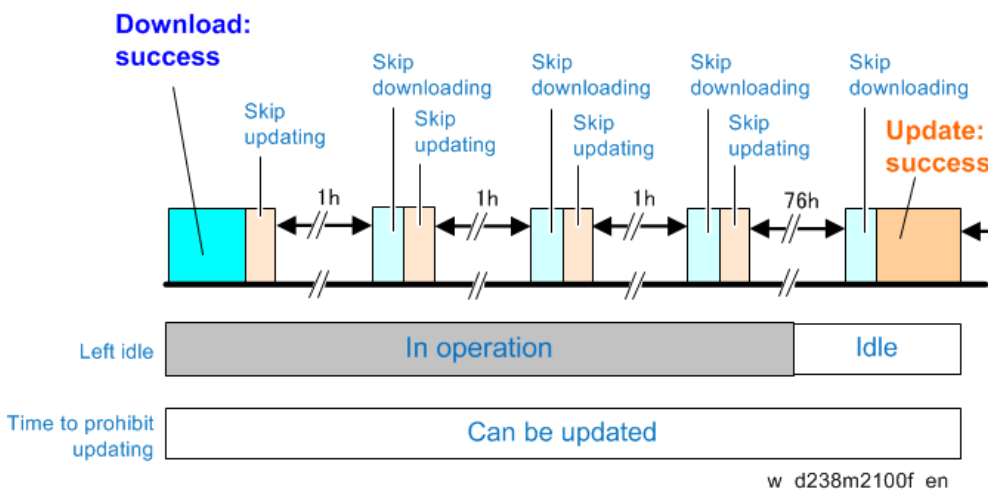
Update judgement is done when the latest update package is successfully downloaded, or the package has already been downloaded.



If the judgement timing is in the range of the update prohibited time or day set with SP or WIM, the machine will retry the update after 76 hours.



If the machine is in use when the judgement process runs, the process is retried. Retry is done up to three times every hour (can be changed with SP) and if the machine is in use for all three retries, the machine will retry the update after 76 hours.

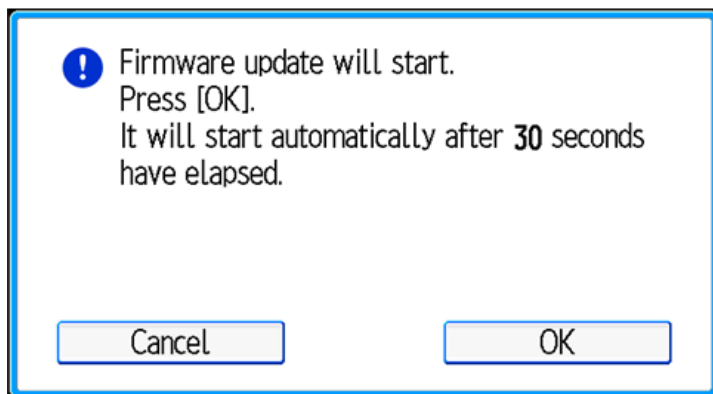


Situations judged as machine in use

No.	Situations judged as machine in use
1	When the control panel is used within 30 seconds
2	During firmware update
3	While firmware update is disabled
4	While printing (copy, printer, fax, re-printing via network)
5	While scanning (copy, scanner, fax)
6	Retrieving image data via network
7	While initial setting (User Tools settings) or SP is being set
8	While fax is transferring data
9	During on hook / on handset
10	During the PC-FAX process (from PC to machine data transfer to the end of the job)
11	While shifting to/from the energy server mode
12	When not being able to run firmware update due to the modules that are running e.g.) Waiting for DCS transfer (refer to appendix), accessing devices such as HDD/SD card, etc.
13	While displaying a preview
14	While the document server function is in use
15	Connecting to TWAIN
16	During the interrupt copy process
17	While displaying the printer menu
18	While updating the display for the document server function via WIM or for stored fax documents
19	While writing log information
20	While accessing the address book
21	During SC

Update Process

When the machine has decided to run the auto firmware update, the following message is displayed.



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The popup will have "Cancel" and "OK" buttons and the update process will start either when the "OK" button is selected or 30 seconds has passed.

When the "Cancel" button is selected, the machine will run the "Retry update" process.

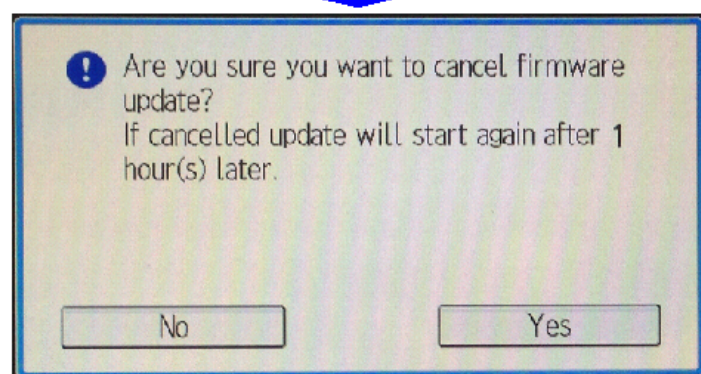
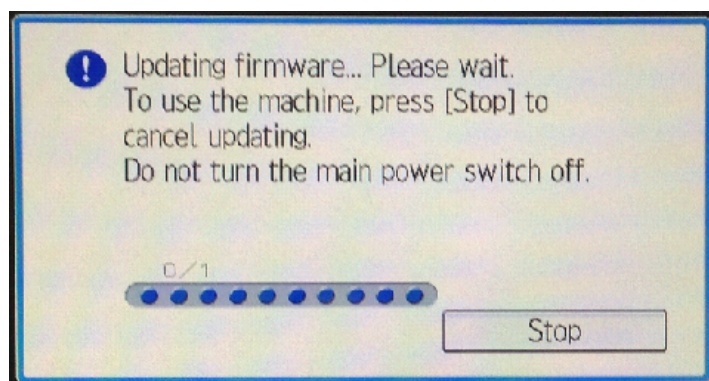
When the device update and three retries in recovery mode both fail, it is determined as a device defect and will display an SC for the defective device. If such an SC appears, replace the indicated board. In the case of SC845, the SC cannot be reported to the call center.

Device and corresponding SC number.

Device name	SC number
Engine board	SC845-01
Controller board	SC845-02
Operation panel (normal panel)	SC845-03
Operation panel (smart panel)	SC845-04
FCU	SC845-05

Canceling the update

It is possible to cancel the Auto Remote Firmware Update (ARFU) or update in recovery mode from the operation panel.



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But this is not possible while updating the operation panel itself. On the other hand, the update for the operation panel will run at the final stage of the update. Thus canceling the update at that stage has no real effect.

When the update is cancelled, the machine will reboot when updates for all modules of one of the following devices is done.

1. Engine Board
2. FCU

5. System Maintenance

3. Controller Board
4. Operation Panel

For example, when the update process is cancelled while updating the first module of the operation panel, the machine will reboot when all modules in the operation panel have been updated.

The firmware contents included in the package can be referred to in the release note in the SERES release of the package.

The next update will run 76 hours after the cancellation. The old (cancelled) package will be discarded if the package downloaded 76 hours later is the latest.

Checking the ARFU Result

- 1.** Enter the SP mode.
- 2.** Press [Firmware update].
- 3.** Press [Update].
- 4.** Press [Update Package Information].
- 5.** If the firmware package is the same as the one on the global server, the update was completed successfully. Otherwise, check the result using the logging date.
In SP7-520-041 to -045 (Update Log: Auto:Version), you can check the versions of the packages updated by ARFU. (-041 displays the latest result. It is also printed on the SMC sheet.)

Checking the Result Using the Logging Data

- 1.** Enter the SP mode.
- 2.** Press [System/Copy].
- 3.** Check the results for ARFU by SP7-520-051 to 060 (Update Log: Auto:Result)
"-051" is the latest update result. For details about the number of each result log, see the next section "Related SP."

Related SP

SP Number	Selection Def.	Overview
SP5-886-111	0: OFF 1: ON	Sets auto update by ARFU ON/OFF .
SP5-886-112	0: OFF 1: ON	Will not run the update when update prohibited time setting is ON and the current time is in the range of the time set.
SP5-886-113	0 to 23 9	<ul style="list-style-type: none">Start time < End time: Prohibited time is from the start time to the end time on the same day.
SP5-886-114	0 to 23 17	<ul style="list-style-type: none">Start time > End time: Prohibited time is from the start time to the end time on the next day.Start time == End time: Prohibited time setting is disabled. (Update will not be prohibited.)

SP Number	Selection Def.	Overview
SP5-886-115	0: OFF 1: ON	Even when the update function is disabled, downloading the package is allowed. The downloaded package can be used with SFU.
SP5-886-116	Display only	Displays when the latest package check will run.
SP5-886-117	1 to 24 1	Set time for the next version check after retry.
SP5-886-120	0x00	Update will not run if the corresponding bit for each day below is set to 1. <ul style="list-style-type: none"> • Prohibited at all times: bit 7 • Monday: bit 6 • Tuesday: bit 5 • Wednesday: bit 4 • Thursday: bit 3 • Friday: bit 2 • Saturday: bit 1 • Sunday: bit 0 <p>This setting is not changed by the prohibited time setting. e.g.) Prohibited on Mon., Fri., Sat., and Sun. : 0x47 (01000111)</p>
SP7-520-011 to 015	Display only	History of dates and times when update has started. The five most recent are recorded, the lowest number being most recent. If the last update failed, this is not recorded.
SP7-520-021 to 025	Display only	History of dates and times when update has finished. The five most recent are recorded, the lowest number being most recent. The record is created when the update has successfully finished. When the update is cancelled, no record is created.
SP7-520-031 to 035	Display only	History of the package numbers (including suffix) for which update has completed. The five most recent are recorded, the lowest number being most recent. The record is created when the update has successfully finished. When the update is cancelled, no record is created.
SP7-520-041 to 045	Display only	History of the package versions for which update has completed. The five most recent are recorded, the lowest number being most recent. The record is created when the update has successfully finished. When the update is cancelled, no record is created.
SP7-520-051 to 060	Display only	History of the results of the download and the update. Refer below for the numbers set.

Numbers set for the result history for SP7-520-051 to 060

No.	Result	Description
1	Downloading with SFU	Cannot download or update because the machine is now downloading the package for SFU.
2	HDD not installed	Cannot download or update because the machine has no HDD.
3	Updating with SFU	Cannot download or update because the machine is being updated with SFU.
4	HDD error	Cannot download or update because the HDD cannot be used.
5	Version information obtain error	Cannot download or update because the version information cannot be obtained.
6	Update download error	Cannot download or update because the update download failed. In the non @Remote method, this shows that the download failed because there was no proxy set.
7	Name resolution error	Cannot download or update because the name cannot be resolved upon downloading the update.
8	Auto update setting disabled	The package has been downloaded but will not run the update because SP5-886-111 (auto update setting) is disabled and SP5-886-115 (auto download setting for SFU) is enabled.
9	Update prohibited time	Cannot start to update because the auto update prohibited time setting (SP5-886-112) is enabled and the time update initiated was in the range of prohibited time (SP5-886-113 to 114). Or the day which update was initiated was a day for which update was prohibited (SP5-886-120).
10	Update postponed due to machine in use	Cannot start update due to the following conditions when update was initiated. <ul style="list-style-type: none"> • The machine is in use by a user (the panel was used within 30 seconds) • Machine offline for other reasons • Operation prohibited • Displaying SP/UP menu • Firmware update is running with another method • Configuration change prohibited • Verifying the operation panel (smart panel)
11	Update cancelled by user	Update was cancelled because a user selected "Cancel" in the popup shown before starting the update.
12	Offline failed	Cannot start to update because the machine is offline for other reasons.
13	Update successful	Update was started and successfully completed.

No.	Result	Description
14	Update failed	Update was started but failed.
15	Update deemed completed	Update was cancelled after the process was initiated because a user selected "Cancel". There is no need to resume the update due to one of the following reasons: <ul style="list-style-type: none"> • A newer update has been released and received. • When retrying ARFU, the update has already been completed by another method.
16	Update cancelled by user after update initiated	Update was cancelled after the process initiated because a user selected "Cancel" during the update.
17	Version information obtain error (communication error occurred for hostname)	Cannot download or update because the name cannot be resolved when obtaining version information.
18	Version information obtain error (proxy verification failure)	Cannot download or update because the proxy verification failed with proxy settings when obtaining version information.
19	Version information obtain error (other than proxy verification failure when proxy is set)	Cannot download or update because an error other than proxy verification with proxy settings occurred when obtaining version information.
20	Update download error (proxy verification failure)	Cannot download or update because the proxy verification failed with proxy settings when downloading the package.
21	Update download error (other than proxy verification failure when proxy is set)	Cannot download or update because an error other than proxy verification with proxy settings occurred when downloading the package.
22	Update by retry successful	After power failure, unsuccessful update, or rebooting, update by retry is executed successfully. However, this does not apply to the case where the update was cancelled after the process was initiated because a user selected "Cancel". In this case, the update is "successful" if the retry is not executed between the start and completion of the next update (76 hours after the cancellation).

Updating JavaVM

Creating an SD Card for Updating

1. Download the update modules from Firmware Download Center. As one of the model modules, "Java VM v11 UpdateTool" is available for download. (The version differs depending on the model.)
2. Unzip the downloaded file. Copy the whole "sdk" folder to the root of the SD card directly below.

 **Note**

- When unzipping the downloaded file, two subfolders ("update" and "sdk") exist in the "sdk" folder. Rather than just copying the subfolder "sdk", copy the whole folder "sdk".

Updating Procedure

CAUTION

- SD card can be inserted with the machine power off.
 - During the updating process, do not turn off the power.
 - If you turn off the power during the updating, the machine performance is not guaranteed. (There is a possibility that an SC and boot failure occurs.)
 - If you accidentally turn off the power during the updating, retry the updating procedure from the beginning. (If the update fails again, you will need to replace the controller board.)
1. If the boot priority application is set to the ESA application, switch to the copy application from "Function Priority".
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key. -> "System Settings" -> "General Features" -> "Function Priority"
 - When using the smart operation panel: Press the "User Tools" icon. -> "Screen Features" -> "SYSTEM" -> "Screen Device Settings" -> "Function Priority"
 - MP C6503/C8003: Press the "User Tools" icon. -> "Screen Features" -> "SYSTEM" -> "Screen Device Settings" -> "Function Priority"
 2. Insert the SD card you created into the service slot, and then turn ON the main power switch.
 3. Take a note of the current Heap size from Web Image Monitor. ("Extended Feature Settings" -> "Administrator Tools" -> "Heap Size")

You can check the Heap size after updating.
 4. Turn OFF the main power.
 5. Insert the SD card for update into the service slot.
 6. Turn ON the main power.
 7. After booting Java VM, update of the application is started. "Updating SDK/J" appears in the banner message of the touch panel display. (Estimated time: about 2 minutes)
 8. After completing the update and starting the Java VM, "Update SDK / J done SUCCESS" appear in the banner message of the touch panel display. After turning off the power, remove the SD card from the slot. When you fail to update, "Update SDK/J done FAIL" is displayed. You can confirm the cause of the error

message below.

9. Turn ON the main power.
10. Reconfigure the Heap size from Web Image Monitor. ("Extended Feature Settings" -> "Administrator Tools" -> "Heap Size")
See the manual for the ESA application to know what value to set for the heap size.
11. Return to the previous setting for the boot priority application.

List of Error Messages

Update results are output as a text file on the SD card called "sdkjversionup.log" in the "\sdk \update" folder.

Result	File contents	Description of the output
Success	script file = /mnt/sd0/sdk/update/bootscript 2012/08/22 17:57:47 start 2012/08/22 17:59:47 end SUCCESS	Boot script path Boot scripts processing start time End time boot script processing, the results
Failure	script file = /mnt/sd0/sdk/update/bootscript 2012/08/22 17:57:47 start XXXX Error 2012/08/22 17:57:57 end FAIL	Boot script path Boot scripts processing start time Error message (Possibly multiple) End time boot script processing, the results

Error Message	Cause	Remedy
PIECEMARK Error,machine=XXXXX	Applied the wrong updating tool (Using the updating tool of a different model)	Use the correct updating tool for this model.
pasePut() - error : The file of the copy origin is not found Put Error!	Inadequacy with the SD card for updating (Files are missing in the updating tool)	Re-create the SD card for updating.
paseCopy() - error : The file of the copy origin is not found. Copy Error!	Inadequacy SD card for updating (Files in the updating tool are missing)	Inadequacy SD card for updating (Files in the updating tool are missing)
[file name: XX] error,No space left on device pasePut() - error : The destination directory cannot be made. pasePut() - error : fileCopy Error. Put Error!	Writing destination is full. (The NAND flash memory on the controller board is full.)	Uninstall the unnecessary SDK applications. If you cannot uninstall it, implement escalation, stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
[file name: XX] error,No space	Writing destination is full.	Uninstall the unnecessary SDK applications.

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Error Message	Cause	Remedy
left on device paseCopy() - error : The destination directory cannot be made. paseCopy() - error : fileCopy Error. Copy Error!	(The NAND flash memory on the controller board is full.)	If you cannot uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
Put Error! *1	Error, not normally expected to occur	If you cannot uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file." *1 Without the foregoing error message, only "Put Error / Copy Error" will be displayed
Copy Error! *1		
Delete Error!		
[XXXXX] is an unsupported command.		
Version Error		

NVRAM Data Upload/Download

Uploading Content of NVRAM to an SD card

Do the following procedure to upload SP code settings from NVRAM to an SD card.

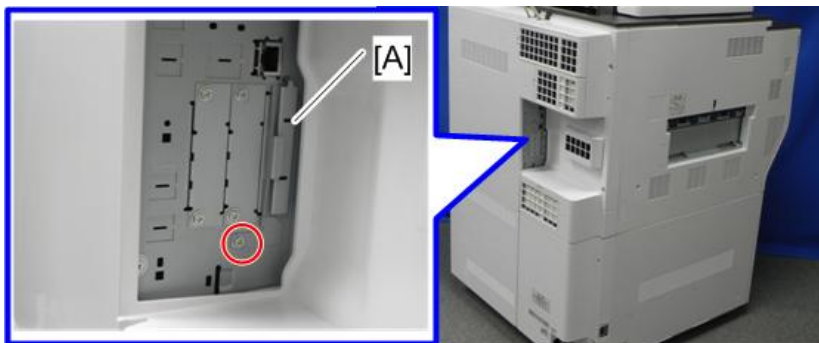
Note

- This data should always be uploaded to an SD card before the NVRAM is replaced.
- Make sure that the write protection of an SD card is unlocked.

1. Do SP5-990-001 (SP Print Mode: All(Data List)) before you switch the machine off. You will need a record of the NVRAM settings if the upload fails.

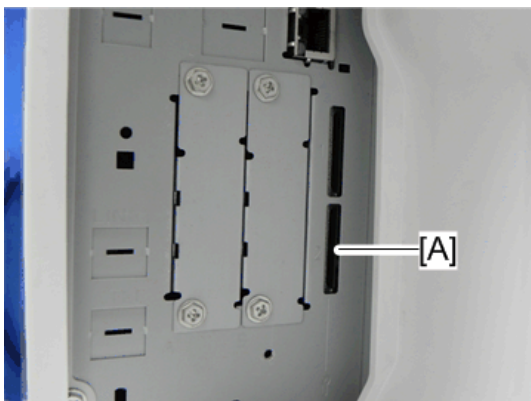
Make sure to shut down and reboot the machine once before printing the SMC. Otherwise, the latest settings may not be collected when the SMC is printed.

2. Turn OFF the main power.
3. Remove the SD card slot cover [A].



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4. Insert the SD card in Service Slot [A: Lower Slot].



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5. Turn ON the main power.
6. Execute SP5-824-001 (NVRAM Data Upload) and then press the "Execute" key.
7. The following files are copied to an NVRAM folder on the SD card when the upload procedure is finished.

The file is saved to the path and the following filename:

NVRAM\<serial number>.NV

Here is an example with Serial Number "K5000017114":

NVRAM\K5000017114.NV

8. In order to prevent an error during the download, be sure to mark the SD card that holds the uploaded data

5. System Maintenance

with the number of the machine from which the data was uploaded.

Note

- You can upload NVRAM data from more than one machine to the same SD card.

Downloading an SD Card to NVRAM

Do the following procedure to download SP data from an SD card to the NVRAM in the machine.

- The NVRAM data download may fail if the SD card with the NVRAM data is damaged, or if the connection between the controller and BICU is defective.
 - Do the download procedure again if the download fails.
 - Do the following procedure if the second attempt fails:
 - Enter the NVRAM data manually using the SMC print you created before uploading the NVRAM data.
- 1.** Turn OFF the main power.
 - 2.** Remove the SD slot cover.
 - 3.** Insert the SD card with the NVRAM data into SD Card Slot 2 (lower).
 - 4.** Switch ON the main power.
 - 5.** Do SP5-825-001 (NVRAM Data Download) and press the "Execute" key.

Note

- The serial number of the file on the SD card must match the serial number of the machine for the NVRAM data to download successfully. The download fails if the serial numbers do not match.

This procedure does not download the following data to the NVRAM:

- Total Count
- C/O, P/O Count

Address Book Upload/Download

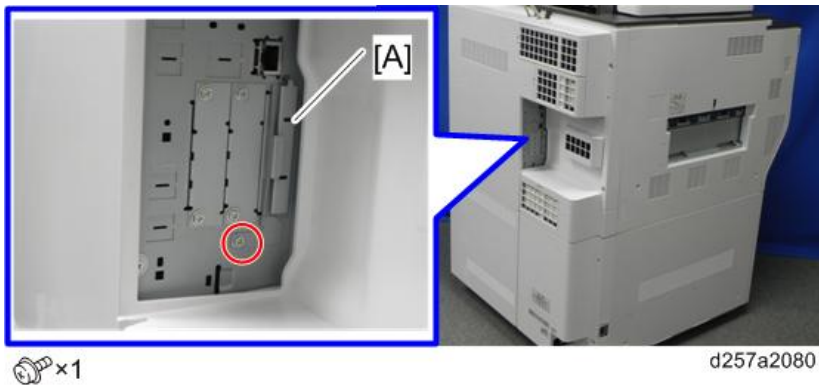
Information List

The following information is possible to be uploaded and downloaded.

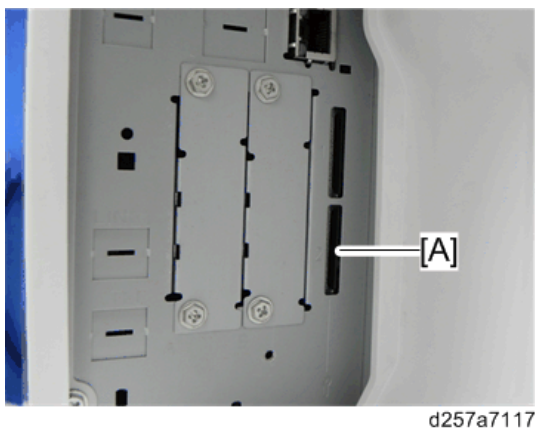
Information	
<ul style="list-style-type: none"> • Registration No. • User Code • E-mail • Protection Code • Fax Destination • Fax Option • Group Name • Key Display 	<ul style="list-style-type: none"> • Select Title • Folder • Local Authentication • Folder Authentication • Account ACL • New Document Initial ACL • LDAP Authentication

Download

- 1.** Prepare a formatted SD card.
- 2.** Make sure that the write-protection on the SD card is off.
- 3.** Turn OFF the main power.
- 4.** Remove the SD card slot cover [A].



- 5.** Insert the SD card in Service Slot [A: Lower Slot].



- 6.** Enter the SP mode.

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- 7.** Do SP5-846-051 (Backup All Addr Book).
- 8.** Exit the SP mode, and then turn OFF the main power switch.
- 9.** Remove the SD card from the SD card slot 2 (lower).
- 10.** Install the SD slot cover.

Note

- If the capacity of SD card is not enough to store the local user information, an error message is displayed.
- Carefully handle the SD card, which contains user information. Do not take it back to your location.

Upload

- 1.** Turn OFF the main power.
- 2.** Remove the SD slot cover at the left rear side of the machine.
- 3.** Install the SD card, which has already been uploaded, into the SD card slot 2 (lower).
- 4.** Turn ON the main power.
- 5.** Enter the SP mode.
- 6.** Do SP5-846-052 (Restore All Addr Book).
- 7.** Exit the SP mode, and then turn OFF the main power switch.
- 8.** Remove the SD card from the SD card slot 2 (lower).
- 9.** Install the SD slot cover.

Note

- The counter in the user code information is initialized after uploading.
- The information of an administrator and supervisor cannot be downloaded nor uploaded.
- If there is no data of address book information in the SD card, an error message is displayed.

SMC List Card Save Function

Overview

SMC List Card Save

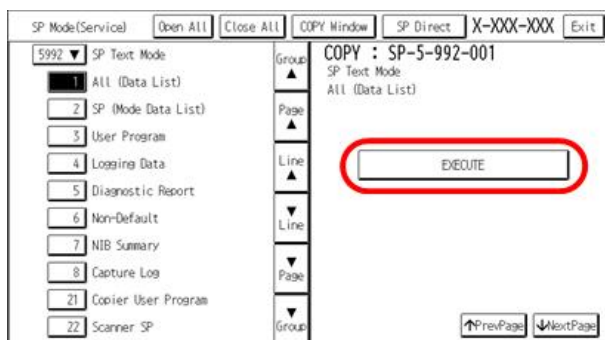
The SMC List Card Save (SP Text Mode) function is used to save the SMC list as CSV files to the SD card inserted into the operation panel SD card slot.

★ Important

- Make sure to shut down and reboot the machine once before exporting the SMC sheet data. Otherwise, the latest settings may not be collected when the SMC is exported.

Procedure

1. Turn OFF the main power.
2. Insert the SD card into the operation panel SD card slot, and then turn ON the main power.
3. Enter SP mode.
4. Select [System SP].
5. Select SP5-992-001 (SP Text Mode).



6. Select a third level SP number (Detail No.) from the table below to select what data to save on the SD card.
SP5-992-xxx (SP Text Mode)

Detail No.	SMC Categories to Save	Note
001	All (Data List)	
002	SP (Mode Data List)	
003	User Program	
004	Logging Data	
005	Diagnostic Report	
006	Non-Default	
007	NIB Summary	
008	Capture Log	
021	Copier User Program	
022	Scanner SP	

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Detail No.	SMC Categories to Save	Note
023	Scanner User Program	
024	SDK/J Summary	
025	SDK/J Application Info	
026	Printer SP	
027	Smart Operation Panel SP	Pro C5200S/C5210S (when using the smart operation panel) and
028	Smart Operation Panel UP	MP C6503/C8003 only

7. Press [EXECUTE].



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8. "It is executing it" is shown on the screen while executing.

Press [CANCEL] to cancel the saving.



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9. Wait for 2 to 3 minutes until "Completed" is shown.



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Note

- The SMC list saving may take from 2 to 3 minutes to complete.
- Press [CANCEL] to abort executing.

10. Press [Exit] to exit from SP mode.

File Names of the Saved SMC Lists

The SMC list data saved on the SD card will be named automatically. The file naming rules are as follows.

Example:

W801P999017_59921_20111011_53954.csv

[A]	[B]	[C]	[D]	[E]

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A:

Machine serial number (fixed for each machine)

B:

SP number saved in this file.

First four digits (5992) in this part are fixed. The other one or two digits are the detail SP number(s). In this case, it is one digit. Therefore, this file is of SP5-992-001 (All data list). See the upper SP table for the correspondence between SP detail numbers and the contents.

C:

File creation date

Year/Month/Day ("Zero" will be omitted if each is one digit.)

D:

File creation time

Hour/Minute/Second ("Zero" will be omitted if each is one digit.)

E:

File Extension CSV (Comma Separated Value)

This part is fixed.

Note

- A folder named by the machine serial number will be created on the SD card when this function is executed.
- This function can save the SMC list data only to an SD card inserted into the operation panel SD card slot.

Error Messages

SMC List Card Save error message:

- **Failed:**

FACTOR: Read-only file system, No space left on device.

If an error occurs, pressing "Exit" will cause the device to discard the job and return to the ready state.

UP/SP Data Import/Export

UP Data Import/Export

Data that can be imported and exported

- Copier / Document Server Features
- Printer Features
- Scanner Features
- Facsimile Features
- Browser Features
- Extended Feature Settings
- Program (Document Server)
- Program (Copier)
- Program (Scanner)
- Web Image Monitor Setting
- Web Service Settings
- System Settings

Data that cannot be imported or exported

- Some System Settings ^{*1 *2}
 - *1 The setting for the date, settings that require the device certificate, and settings that need to be adjusted for each machine (for example, image adjustment settings) cannot be imported or exported.
 - *2 Settings only for executing functions and settings only for viewing cannot be imported or exported.
- Extended Feature Settings
- Address book
- Programs (fax function)
- Programs (printer function)
- User stamp in Copier / Document Server Features
- Settings that can be specified via telnet
- @Remote-related data
- Counters
- EFI printer unit settings
- Settings that can only be specified via Web Image Monitor or Web Service (for example, Bonjour, SSDP setting)

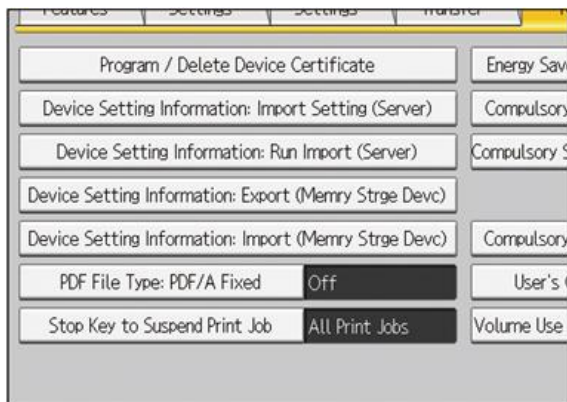
Exporting Device Information

This can be exported / imported by an administrator with all privileges.

When exporting SP device information from the control panel, the data is saved on an SD card.

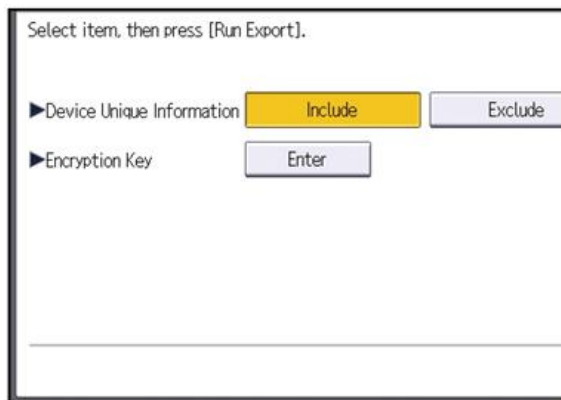
- 1.** Insert an SD card into the media slot on the side of the control panel.
- 2.** Log in from the control panel as an administrator with all privileges.

3. Display the "Machine Features" screen.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
 - MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".
4. Press [System Settings].
5. Press [Administrator Tools].
6. Press [Device Setting Information: Export (Memory Storage Device)].



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7. Set the export conditions.



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- Specify whether to [Include] or [Exclude] the "Device Unique Information". "Device Unique Information" includes the IP address, host name, fax number, etc.
 - Specify an encryption key.
8. Press [Run Export].
 9. Press [OK].
 10. Press [Exit].
 11. Log out.

Note

- If data export fails, the details of the error can be viewed in the log.
- When device Information is periodically imported, it is necessary to create the device setting information file with special software and store it on the web server.

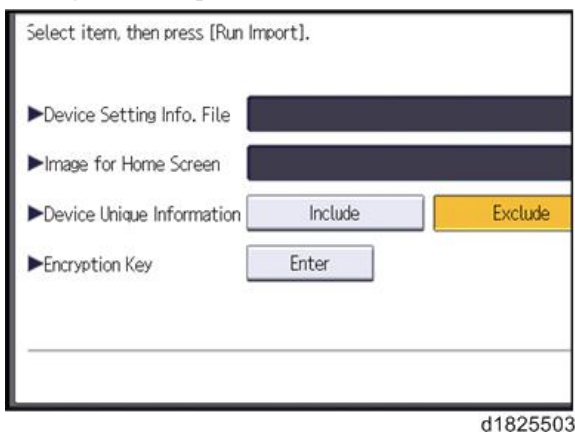
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Importing Device Information

This can be exported / imported by an administrator with all privileges.

Import device information saved on an SD card.

- 1.** Insert an SD card into the media slot on the side of the control panel.
- 2.** Log in from the control panel as an administrator with all privileges.
- 3.** Display the "Machine Features" screen.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
 - MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".
- 4.** Press [System Settings].
- 5.** Press [Administrator Tools].
- 6.** Press [Device Setting Information: Import (Memory Storage Device)].
- 7.** Configure the import conditions.



- Press [Select] of the "Device Setting Info. File" to select the file(s) to import.
 - When inserting a file into a home screen, press [Select] for the Image for Home screen and select the file. You cannot use this setting when using the Smart Operation Panel.
 - Specify whether to [Include] or [Exclude] the "Device Unique Information". "Device Unique Information" includes the IP address, host name, fax number, etc.
 - Enter the encryption key that was specified when the file was exported.
- 8.** Press [Run Import].
 - 9.** Press [OK].
 - 10.** Press [Exit].

The machine restarts.

Note

- If data export fails, the details of the error can be viewed in the log.

SP Data Import/Export

Data that can be imported and exported

- System SP
- Printer SP
- Fax SP
- Scanner SP

Exporting Device Information

When exporting SP device information from the control panel, the data is saved on an SD card.

- 1.** Insert an SD card into the media slot on the side of the control panel.
- 2.** Enter SP mode.
- 3.** Press SP5-749-001 (Import/Export: Export)
- 4.** Select "Target" SP settings (System/Printer/Fax/Scanner/Smart Operation Panel) to be exported.
- 5.** Select "Option" settings (Unique/Secret).

Item	Specification	Note
Unique	Unique information of the machine is included in the exported file if you select "Unique" setting.	<p>Unique information that can be updated</p> <p>#1. Items that are to be used to identify the machine. Example: Network Information/ Host name / Information related to fax number /Mail address assigned to the machine</p> <p>#2. Items for specifying the options equipped on the machine. Example: Lot number for developer</p> <p>Unique information that cannot be updated</p> <p>#1. Items that may cause a problem if imported Example: Serial number / Information related to @Remote</p> <p>#2. Items for managing the history of the machine Example: Time and date / Counter information / Installation date</p> <p>#3. Setting values for the Engine</p>
Secret	Secret information is exported if you select "Secret" setting.	<p>Secret information</p> <p>#1. Data that cannot be exported without being encrypted. (Exported data is encrypted.) Example: Password / Encryption key / PIN code</p> <p>#2. Confidential information for the customer</p>

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Item	Specification	Note
		Example: User name / User ID / Department code / Mail address / Phone number #3. Personal information Example: Document name / Image data #4. Sensitive information for the customer Example: MAC address / Network parameters

* The IP address is exported when both 'Unique' and 'Secret' are selected.

6. Select "Crpt config" setting (Encryption).

Encryption	Select whether to encrypt or not when exporting. If you push the "Encryption" key, you can export secret information.	If the encryption function is used, setting of an encryption key is required by direct input. <ul style="list-style-type: none"> Type the arbitrary password using the soft keyboard Can enter up to 32 characters
------------	--	--

7. Press [Execute].

8. Press [OK].

↓ Note

- If data export fails, the details of the error can be viewed in the log.

Importing Device Information

Import device information saved on an SD card.

1. Insert an SD card into the media slot on the side of the control panel.
2. Enter SP mode.
3. Press SP5-749-101 (Import/Export: Import)
4. Select a unique setting.
5. Press [Encryption Key], if the encryption key was created when the file was exported.
6. Select an encryption setting.

Unique	If you want to apply the unique information to the target machine, select the "Unique" key.	Refer to the above information.
Encryption	If an encrypted file is selected as the import file, this setting is required.	

7. Press [Execute].

8. Press [OK].

↓ Note

- If data export fails, the details of the error can be viewed in the log.

Possible solutions for import/export problems

The access log file is created when export/import is executed. The file is stored in the same location as the exported device setting information file.

If an error occurs, check the log's result code in the access log file first. Values other than 0 indicate that an error occurred.

The result code will appear in the circled area illustrated below.

- Example of a log file

```
*1.0.0*
*ExecType*, *Date*, *SerialNo*, *PnP*, *Model*, *Destination*, *IP*, *Host*, *Storage*, *FileName*, *FileID*, *TotalItem*, *NumOfOkItem*, *ResultCode*, *ResultName*, *Identifier*
*IMPORT*
*2012-07-05T15:29:16+09:00*
*3C35-7M0014*
*Brand Name*
*Product Name*
*0*
*10*
*10.250.155.125*
*RNP00267332582D*
*SD*
*201207051519563C35-710220.csv*
*201207051519563C35-710220*
* 0*
* 2*
*INVALID REQUEST*
*TargetID*, *ModuleID*, *PrefixID*, *Item*, *NgCode*, *NgName*
```

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If you cannot solve the problem or do not know how to solve it after checking the code, note down the error log entry, then contact your supervisor.

Result Code	Cause	Solutions
2 (INVALID REQUEST)	A file import was attempted between different models or machines with different device configurations.	Import files exported from the same model with the same device configurations.
4 (INVALID OUTPUT DIR)	Failed to write the device information to the destination device.	Check whether the destination device is operating normally.
7 (MODULE ERROR)	An unexpected error occurred during import or export.	Switch the power off and then back on, and then try the operation again. If the error persists, contact your supervisor.
8 (DISK FULL)	The available storage space on the external medium is insufficient.	Execute the operation again after making sure there is enough storage space.
9 (DEVICE ERROR)	Failed to write or read the log file.	Check whether the path to the folder for storing the file or the folder in which the file is stored is missing.
10 (LOG ERROR)	The hard disk is faulty.	Contact your supervisor.
20 (PART FAILED)	Failed to import some settings.	The reason for the failure is logged in "NgCode". Check the code. Reason for the Error (Ng-Name) 2. INVALID VALUE The specified value exceeds the allowable

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Result Code	Cause	Solutions
		<p>range.</p> <p>3. PERMISSION ERROR The permission to edit the setting is missing.</p> <p>4. NOT EXIST The setting does not exist in the system.</p> <p>5. INTERLOCK ERROR The setting cannot be changed because of the system status or interlocking with other specified settings.</p> <p>6. OTHER ERROR The setting cannot be changed for some other reason.</p>
21 (INVALID FILE)	Failed to import the file because it is in the wrong format in the external medium.	<p>Check whether the file format is correct.</p> <p>The import file should be a CSV file.</p>
22 (INVALID KEY)	The encryption key is not valid.	Use the correct encryption key.

Note

- When exporting device information from the control panel, the data can be saved only on an SD card.
- The file format for exports is CSV.

Capturing the Device Logs

Overview

With this feature, you can save device logs that are stored in the machine (HDD or operation panel) on an SD card. It allows the Customer Engineer to save and retrieve error information for analysis.

The Capturing Log feature saves device logs for the following four.

- Controller device log including operation log
- Engine device log
- FCU device log
- Operation panel log

★ Important

- In older models, a technician enabled the logging tool after a problem occurred. After that, when the problem had been reproduced, the technician was able to retrieve the device log.
- However, this new feature saves the device logs at the time that problems occur. Then you can copy the logs to an SD card.
- You can retrieve the device logs using a SD card without a network.
- Analysis of the device log is effective for problems caused by the software. Analysis of the device log is not valid for the selection of defective parts or problems caused by hardware.
- Make sure to shut down and reboot the machine once before retrieving the Debug Logs. Otherwise, the latest settings may not be collected when the debug logs are retrieved.

Types of device logs that can be saved

Type	Storage Timing	Destination (maximum storage capacity)
Controller device log including operation log	<ul style="list-style-type: none"> • Saved at all times 	HDD (4 GB) or SD card connected to the service slot. When the data gets over 4.0 GB, the older data is deleted.
Engine device log	<ul style="list-style-type: none"> • When an engine SC occurs • When paper feeding/output stop because of a jam • When the machine doors are opened during normal operation 	HDD or SD card connected to the service slot (Up to 300 times)
FCU device log	<ul style="list-style-type: none"> • When a specified amount of FCU device log is stored in the FCU. If fax application is unavailable (e.g. not installed), the machine does not transfer the log. 	HDD or SD card connected to the service slot
Operation panel log	<ul style="list-style-type: none"> • When an error related to the operation panel occurs. 	Memory in the operation panel.

Note

- **Device logs are not saved in the following conditions:**
- While erasing all memory
- While data encryption equipment is installed
- While changing the firmware configuration
- Forced power OFF (accidentally disconnecting the outlet)
- Engine device log while the machine is shutting down
- When the power supply to the HDD is off because of energy saving (engine OFF mode/STR mode)
- When one of the following SCs occurs: SC672, SC816, SC819, SC878, SC899, SC859, SC860, SC861, SC863, or SC864

Note

- **The following logs are not saved:**
- Logs related to the energy saver mode (Engine-off, suspend-mode, or other cases)
Network communication log
Logs related to NRS
IP-FAX log
Access log for unauthorized users (guests)
- HTTP session timeout log
- Auto log-out log
- IC card related log
- Authorization for Fax

Security of the Operation Log

The following operation logs related to security are not saved.

- User ID
- Password
- IP address
- Telephone number
- Encryption key
- Transition to SP mode

Retrieving the Device Logs via Operation Panel

Important

- Retrieve device logs to identify the date of occurrence of the problems and to find details of the problems
- e.g.: At around 8:00 am on March 10, an engine stall occurred. The operation panel does not respond. Turn the main power supply off / on.
- Analysis of the device log is effective for problems caused by the software. Analysis of the device log is not valid for the selection of defective parts or problems caused by hardware.

Procedure for Retrieving the Device Log with SD Card

1. Insert the SD card into the slot on the side of the operation panel or the service slot.

★ Important

- It is recommended to use the SD card (2 GBs* or 8 GBs**) provided as a service part. This is because the log data can be acquired much faster than when using commercially available SD cards.
- Format the SD card by using SD Formatter from Panasonic before copying the logs:
https://www.sdcard.org/downloads/formatter_3/ (free software)
- Insert the SD card into the machine's service slot instead of the SD slot on the side of the operation panel.

* The part number of the SD card with 2 GBs that is registered as a service part is "B6455030".

** The part number of the SD card with 8 GBs that is registered as a service part is "B6455040".

2. Turn ON the main power.

3. Enter SP mode.

4. Specify the date that the problem occurred in SP5-858-101 (Start Date) by setting it to the year-month-day calendar format.

- For example, if a problem occurred on February 1, 2015, the date should be set to "20150201", as shown above.
- Be sure to confirm the date when the problem occurred before obtaining the logs.

5. Specify the number of days to collect the logs in SP5-858-102 (Days of Tracing).

- "2" is set by default, which is the minimum needed for investigating the problem.
- A value of "1" to "180" can be set.

6. Execute SP5-858-111 (Acquire All Info & Logs) to copy all of the log types to an SD card.

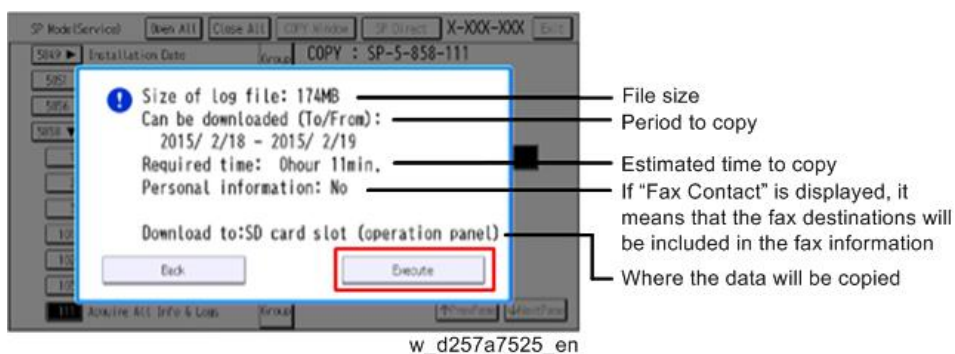
It is possible to obtain the logs separately by the following SPs.

SP	Collectable Information and/or Logs
SP5-858-111	All of the information and logs that are collected by executing the SPs from SP5-858-121 to SP5-858-145, and SMC.
SP5-858-121	Configuration page
SP5-858-122	Font page
SP5-858-123	Print settings list
SP5-858-124	Error log
SP5-858-131	Fax information (whether the fax destinations are included or not depends on the setting of SP5-858-103.)
SP5-858-141	Controller log, engine log, operation panel log, FCU, and SMC.

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SP	Collectable Information and/or Logs
SP5-858-142	Controller log
SP5-858-143	Engine log
SP5-858-144	Operation panel log
SP5-858-145	FCU log
SP5-992-001	SMC

7. After executing the SP for copying the information and/or logs, a confirmation screen will appear. To proceed with obtaining the information and/or logs, tap "Execute"

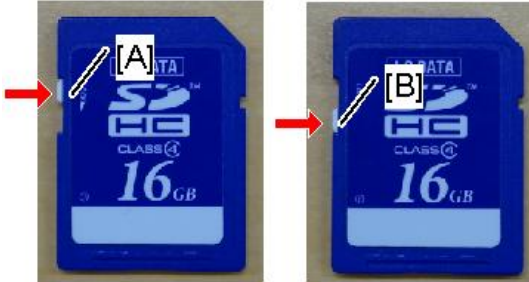


Note

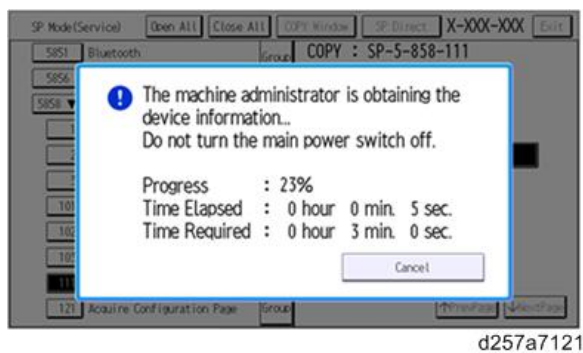
- The approximate time it takes to transfer the debug log is as follows. Transfer time may be affected by the type or format of the SD card.
 Controller device log (GW device log): 2 - 20 minutes
 Engine device log: 2 minutes
 Operation panel device log: 2 - 20 minutes

If the estimated time is not calculated due to an error, an error code will be displayed.

Error Code	Description
-1	Other.
-2	No SD card is inserted in the service slot or in the SD slot on the side of the operation panel. In this case, insert an SD card into either of the SD slots.
-3	The SD card is locked. In this case, unlock the SD card, as shown below.

Error Code	Description
	 <p style="text-align: center;">d238m0750</p> <p>[A]: Unlocked, [B]: Locked</p>

- 8.** Wait for the information and/or logs to be copied to the SD card.



- 9.** After a message stating that the process has completed appears on the operation panel, confirm that the LED light next to the SD card slot is not flashing and then remove the SD card.
- 10.** Make sure that the SD card access LED is off, then remove the SD card.

Note

- The process of obtaining logs fails in the following cases:
 - When the size of the logs to obtain exceeds the amount of space available on the SD card.
 - When the SD card is removed while the logs are being copied to it.
 - When the SD card is not formatted.
- If 'failed' appears on the touch panel display, turn the power off, and then recover from step 1 again.

Retrieving the Device Logs via Web Image Monitor

The device logs can be retrieved via the Web Image Monitor.

- 1.** Access the following URL and logon as an administrator:
[http://\[IP address or host name\]/web/entry/df/websys/direct/getSysInfo.cgi](http://[IP address or host name]/web/entry/df/websys/direct/getSysInfo.cgi)

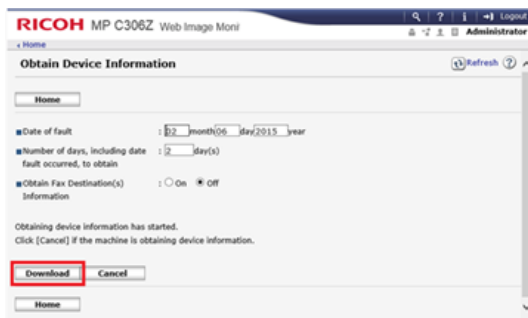
5. System Maintenance



The image shows the login page for the RICOH Web Image Monitor. It features the RICOH logo at the top left, followed by the title "Web Image Monitor". Below the title are two input fields: "Login User Name" and "Login Password". A "Login" button is positioned to the right of the password field. At the bottom left, there is a "Cancel" button.

d238m0884

2. Specify the date that the problem occurred and the number of days to download the logs. If the fax destinations need to be included in the fax information, set "On" as "Obtain Fax Destination(s) Information". Then click "Download".



The image shows the "Obtain Device Information" screen in the RICOH Web Image Monitor. The page title is "RICOH MP C306Z Web Image Monitor". The main heading is "Obtain Device Information". There are three configuration sections: "Date of fault" with a date picker set to "02 month 06 May 2015 year"; "Number of days, including date fault occurred, to obtain" with a dropdown set to "2 day(s)"; and "Obtain Fax Destination(s) Information" with radio buttons for "On" and "Off", where "Off" is selected. Below these sections, a message states "Obtaining device information has started. Click [Cancel] if the machine is obtaining device information." At the bottom, there are "Download" and "Cancel" buttons, with the "Download" button highlighted by a red box.

d238m0885

Note

- "3" is set by default for "Number of days, including date fault occurred, to obtain". However "2", which is the minimum needed for investigating the problems, is recommended for reducing the downloading time.
- "Obtain Fax Destination(s) Information" is set to "Off" by default.

3. The confirmation screen will appear and the information and/or logs will start downloading. To proceed to download the information and/or logs, wait for the open-or-save dialog to appear.



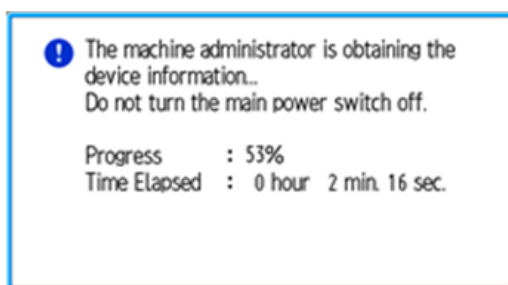
The image shows the confirmation screen for the "Obtain Device Information" process. The page title is "RICOH MP C306Z Web Image Monitor". The main heading is "Obtain Device Information". There is an information icon (i) followed by the text "Confirm". Below this, a message states "Obtaining device information has started. To cancel obtaining device information, click [Cancel]. Note that the screen does not change when obtaining device information is complete." The configuration sections are repeated: "Date of fault" (02 month 06 day 2015 year), "Number of days, including date fault occurred, to obtain" (2 day(s)), and "Obtain Fax Destination(s) Information" (Off). At the bottom, there is a "Cancel" button. Below the "Cancel" button, there are "Home" and "Download again" buttons.

d238m0886

Note

- To cancel downloading, click "Cancel".
- To reconfigure some settings, click "Download again".

- Operation panel when downloading the logs:



d238m0887

4. After a while, the open-or-save dialog will appear. Specify where to download and save the file.



d238m0888

Note

- The debug logs are saved with the following file names. These names are the same as the files downloaded with SD card.

The device logs are saved with the following file names.

Controller log (mmsg)	/LogTrace/[the model number]/watching/[yyyymmdd_hhmmss]_[a unique value].gz
Engine device log	/LogTrace/[Machine Serial]/engine/[yyyymmdd_hhmmss].gz
Operation panel log	/LogTrace/[the model number]/opepanel/[yyyymmdd_hhmmss].tar.gz
SMC	/LogTrace/[the model number]/smc/[the model number]_[5992XXX]_[yyyymmdd]_[hhmmss].csv
Configuration page	/LogTrace/[the model number]/gps/ConfigurationPage/ConfigurationPage_[yyyymmdd_hhmmss].csv
Font page	<ul style="list-style-type: none"> • /LogTrace/[the model number]/gps/FontPage/FontPage_PCL_[the page number]_[yyyymmdd_hhmmss].jpg • /LogTrace/[the model number]/gps/FontPage/FontPage_PDF_[the page number]_[yyyymmdd_hhmmss].jpg • /LogTrace/[the model number]/gps/FontPage/FontPage_PS_[the page number]_[yyyymmdd_hhmmss].jpg
Print settings list	<ul style="list-style-type: none"> • /LogTrace/[the model number]/gps/PrintSettingList/PrintSettingList_RPGL_[yyyymmdd_hhmmss].txt • /LogTrace/[the model number]/gps/PrintSettingList/PrintSettingList_RTIFFF_[yyyymmdd_hhmmss].csv
Error log	/LogTrace/[the model number]/gps/ErrorLog/[yyyymmdd_hhmmss].csv

5. System Maintenance

Fax information	/LogTrace/[the model number]/faxreport/[yyyymmdd_hhmmss].csv
FCU debug log	/LogTrace/[Machine Serial]/fcuLog/[yyyymmdd_hhmmss].gz

Card Save Function

Overview

Card Save:

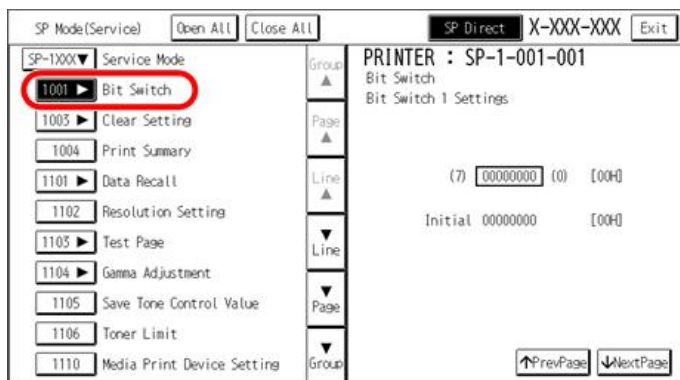
- The Card Save function is used to save print jobs received by the printer on an SD card with no print output. Card Save mode is toggled using printer Bit Switch #1 bit number 4. Card Save will remain enabled until the SD card becomes full, or until all file names have been used.
- Captures are stored on the SD card in the folder /prt/cardsave. File names are assigned sequentially from PRT00000.prn to PRT99999.prn. An additional file PRT.CTL will be created. This file contains a list of all files created on the card by the card save function.
- Previously stored files on the SD card can be overwritten or left intact. Card Save SD has "Add" and "New" menu items.
 - **Card Save (Add):** Appends files to the SD Card. Does not overwrite existing files. If the card becomes full or if all file names are used, an error will be displayed on the operation panel. Subsequent jobs will not be stored.
 - **Card Save (New):** Overwrites files in the card's /prt/cardsave directory.

Limitation:

- Card Save cannot be used with PJL Status Read Back commands. PJL Status Read Backs will not work. In addition they will cause the Card Save to fail.

Procedure

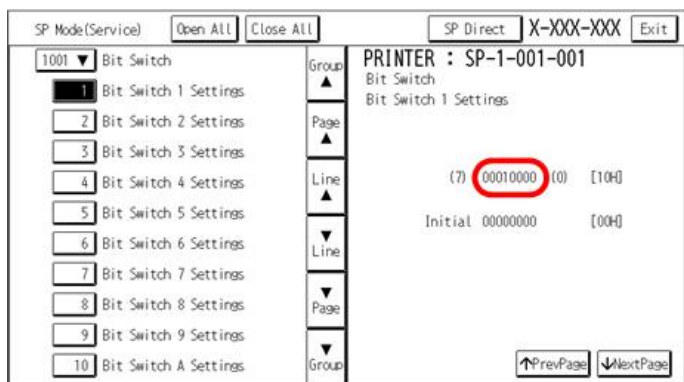
1. Turn OFF the main power.
2. Insert the SD card into the operation panel SD card slot, and then turn ON the main power.
3. Enter SP mode.
4. Select the "Printer SP".
5. Select SP-1001 "Bit Switch".



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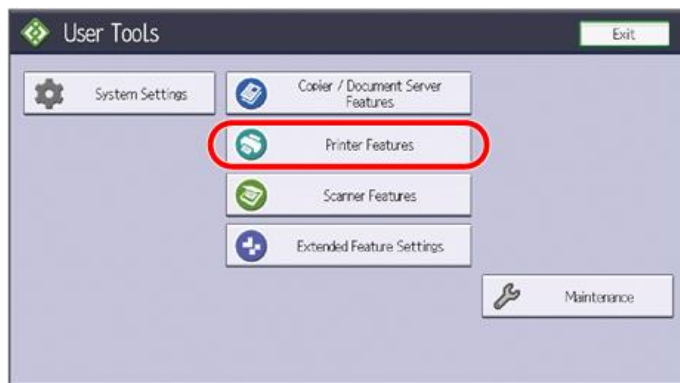
5. System Maintenance

6. Select "Bit Switch 1 Settings" and use the numeric keypad to turn bit 4 ON and then press the "#" to register the change. The result should look like: 00010000. By doing this, Card Save option will appear in the "List/Test Print" menu.



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7. Press "Exit" to exit SP Mode.
8. Display the "Machine Features" screen.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
 - MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".
9. Select "Printer Features".



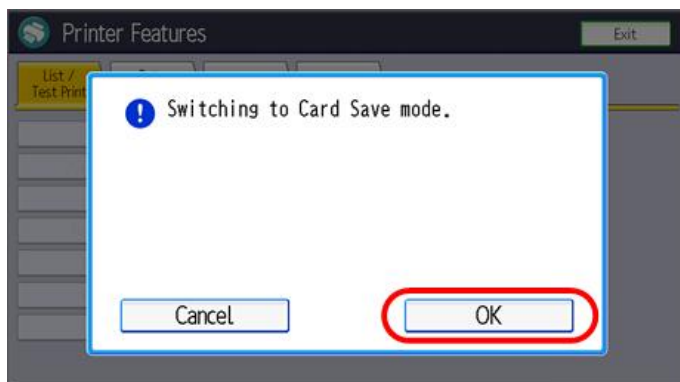
d257a7530

- 10.** Card Save (ADD) and Card Save (NEW) should be displayed on the screen. Select Card Save (ADD) or Card Save (NEW).



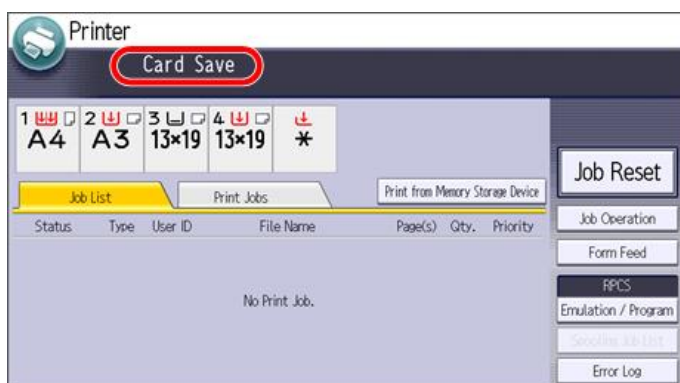
d257a7532

- 11.** Press "OK" and then return to Home screen.



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- 12.** Open the "Printer" screen.
- Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "Printer" icon.
 - When using the smart operation panel: Press the "Printer (Classic)" icon.
 - MP C6503/C8003: Press the "Printer (Classic)" icon.
- 13.** "Card Save" is displayed in the top left of the display panel.



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- 14.** Send a job to the printer. The Communicating light should start blinking.
- 15.** As soon as the printer receives the data, it will be stored on the SD card automatically with no print output. Nothing is displayed on the screen, indicating that a Card Save operation was successful.

5. System Maintenance

- 16.** Press "Reset" to exit Card Save mode.
- 17.** Change the Bit Switch Settings back to the default 00000000, then press the "#" in the numeric keypad to register the changes.
- 18.** Remove the SD card after the main power switch is turned OFF.

Error Messages

Card Save error messages:

- **Init error:** A card save process (e.g. card detection, change to kernel mode) failed to initialize.
- **Card not found:** Card cannot be detected in the slot.
- **No memory:** Insufficient working memory to process the job.
- **Write error:** Failed to write to the card.
- **Other error:** An unknown error occurred.

If an error occurs, pressing "OK" will cause the device to discard the job and return to the ready state.

6. Troubleshooting

Self-Diagnostic Mode

Service Call Conditions

The 'SC Table' section shows the SC codes for controller errors and other errors. The latter are put into four types. The type is determined by their reset procedures. The table shows the classification of the SC codes.

Type	Display	How to reset	SC call or SC alarm in customer support system
A	The SC is immediately displayed on the operation panel when SC occurs. The error involves the fusing unit. The machine operation is disabled. The user cannot reset the error.	Reset the SC (set SP5-810-1) and then cycle the main power off and on.	Occurrence & alarm count ↓ Immediate alarm
B	When a function is selected, the SC is displayed on the operation panel. The machine cannot be used (down-time mitigation).	Turn the operation switch off and on.	Occurrence & alarm count ↓ Power OFF and ON ↓ Alarm count and alarm only if recurrence
C	No display on the operation panel. The machine operates as usual.	Only the SC history is updated.	Occurrence ↓ Logging count & alarm count
D	The SC is displayed on the operation panel. The machine cannot be used (machine-error SC).	Turn the main power switch off and on.	Occurrence & alarm count ↓ Power OFF and ON ↓ Alarm count and alarm only if recurrence

↓ Note

- When an ordinary SC (type D) is generated, an automatic reboot is performed. When an event is reported by the customer support system, even in the event of an ordinary SC, reboot is not performed. During automatic reboot, a confirmation screen is displayed after the reboot.

6. Troubleshooting

- When automatic reboot occurs twice continuously, an SC is displayed without rebooting, and logging count is performed. Also, when an SMC print is output, an * mark is added alongside the SC number for clarity.
- Automatic reboot can be enabled or disabled with SP5-875-001 (SC automatic reboot setting) (default value: OFF).

SP descriptions

- **SP5-875-001 (SC automatic reboot: Reboot Setting)**

Enables or disables the automatic reboot function when an SC error occurs.

0: The machine reboots automatically when the machine issues an SC error and logs the SC error code. If the same SC occurs again, the machine does not reboot.

1: The machine does not reboot when an SC error occurs.

The reboot is not executed for the pattern A or C.

SC Logging

When an SC is generated, the "total count value when the SC is generated" and the "SC code" are logged.

However, if the total count value during the SC is the same as last time, logging is not performed.

Logged data can be checked by outputting an administrative report (SMC print). The SC history is logged up to the last 10 entries, and if there are more than 10 entries, data are progressively deleted starting from the oldest.

SC Automatic Reboot

When an ordinary SC (pattern D) is generated, automatically reboot is performed. Automatic reboot or reboot by user operation can be set by SP5-875-001 (SC automatic reboot setting out) (default value: 1 "OFF").

When a type D occurs, automatic reboot is done or the machine display asks the customer if it can reboot.

However, when the SC occurs twice in a short time, the machine sends a report to the @Remote server without rebooting. This is because just rebooting may not be a good solution if an SC occurs twice.

When an automatic reboot is performed, a confirmation screen is displayed after reboot. The confirmation screen can be cancelled by pressing the [OK] key (display is not cancelled only when the main power switch is switched OFF to ON).

Screen display during reboot

- Status display on the current screen
 - Post-processing Post-processing during printing, etc.
 - Automatic reboot After operation end

Post-processing

■ ■ □ □ □ □ □ □ □ □

Until automatic reboot

□ □ □ □ □ □ □ □ □ □

- Reset key (Reboot key)
Key to perform reboot

Cancel key is not displayed.

- Turn ON spanner LED (same as when an SC is generated).

Operation during SC reboot

- Timing of SC reboot

When @Remote is enabled, and when a NRS alarm*1 is not generated, the corresponding SC is the object of an automatic reboot.

*1 NRS alarm: Issued when an ordinary SC (type D) is generated twice while the total counter counts 10 times.

- Time to automatic reboot

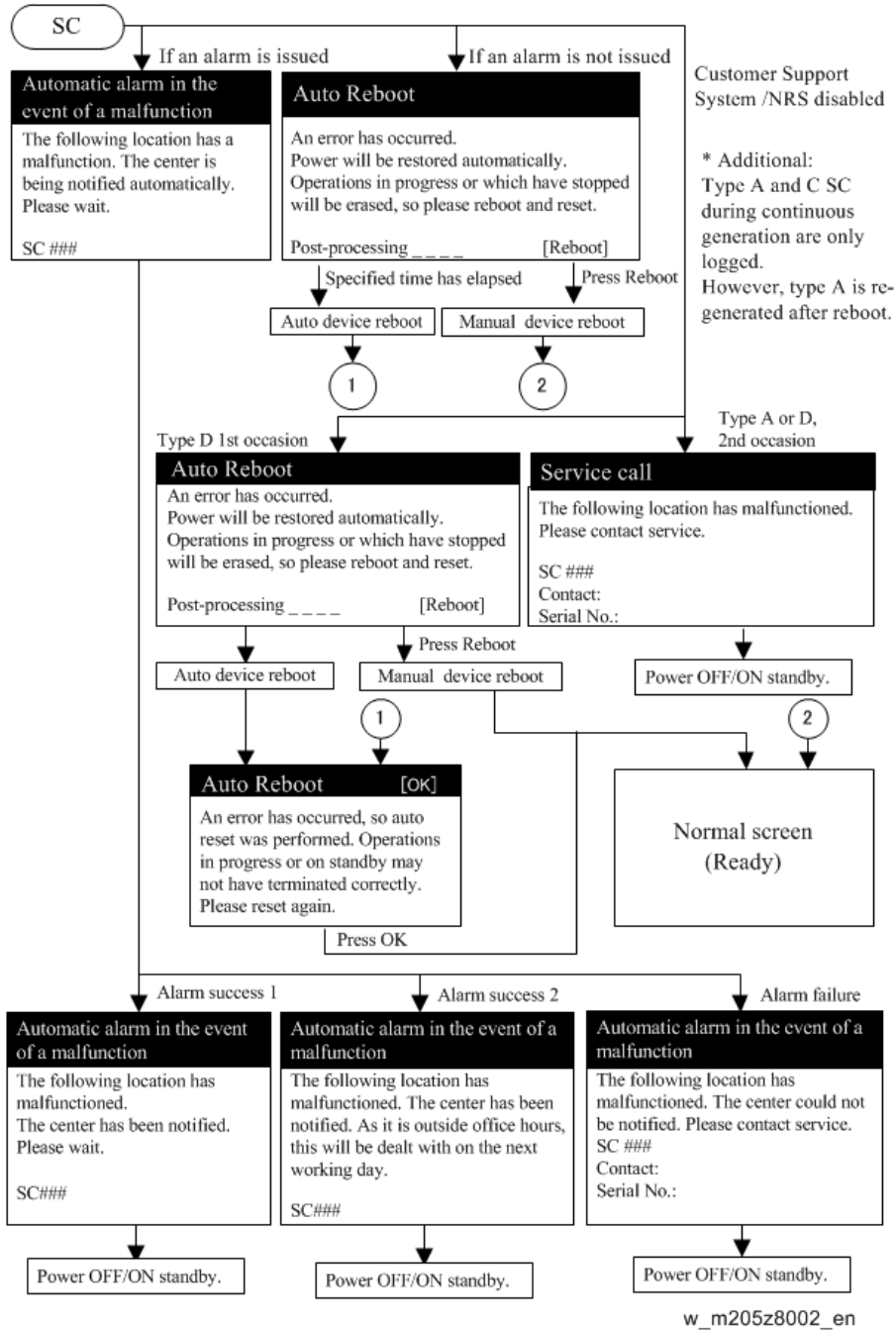
Reboot is performed 30 seconds after an engine reboot is possible, after the end of post-processing during printing, etc.

At that time, a reboot is performed even if the MFP is operating. The engine does not start process control when a reboot is possible.

- Automatic reboot

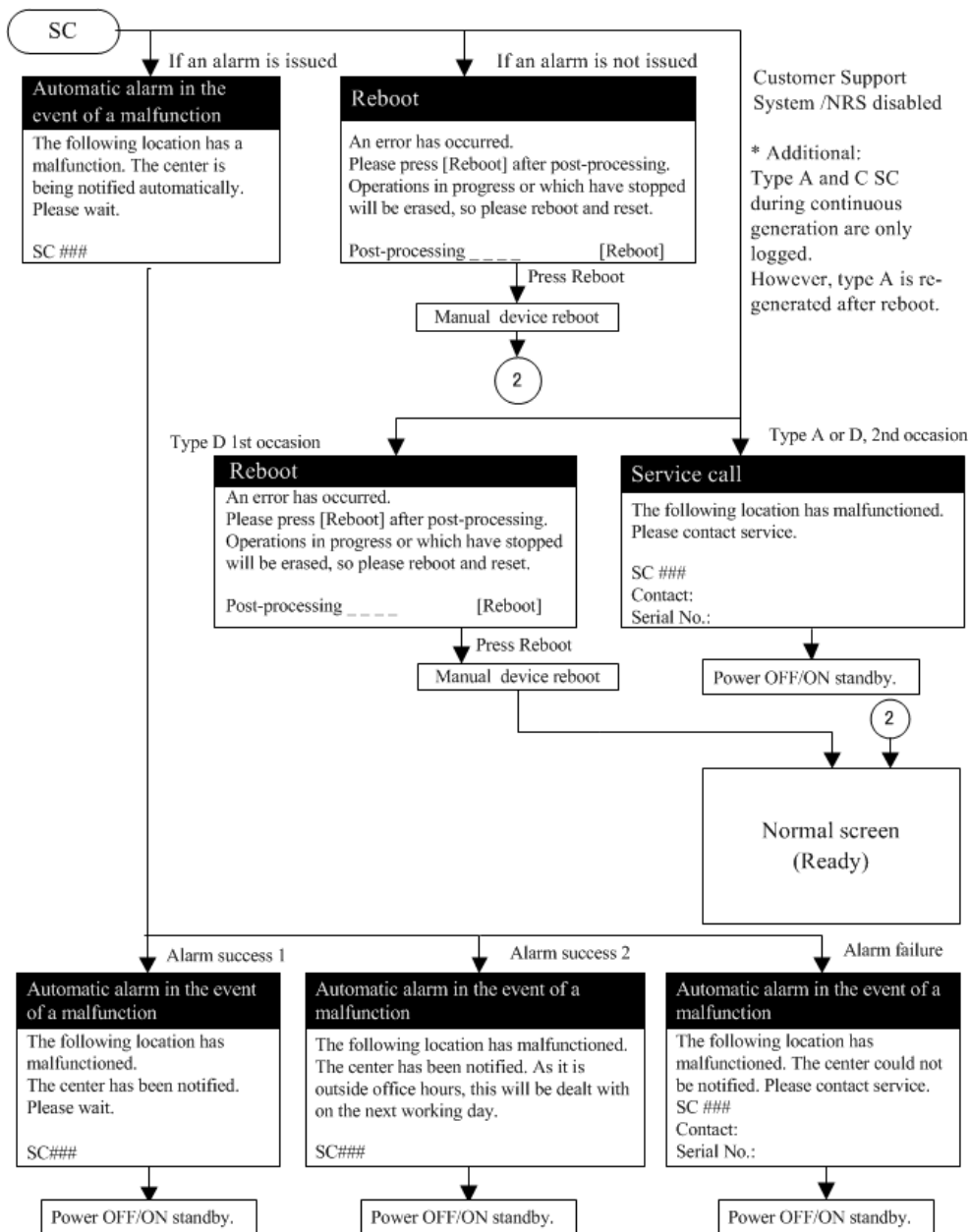
See the flowchart below.

6.Troubleshooting



SC Manual Reboot

When the automatic reboot is disabled in SP5-875-001 (SC automatic reboot setting), the user reboots the machine manually. See the flowchart below.



w_m205z8003_en

SC100 (Engine: Scanning)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-01	D	Lamp Error (Scanning) (Front)
		A part or all of the LED board does not light up when scanning. This error is detected if the level peak of the white plate or ADF background board did not reach the prescribed threshold, when the white plate or ADF background board was scanned.
		<ul style="list-style-type: none"> • LED board defective • SBU defective • BICU defective • Power/signal harness defective • Condensation in the scanner unit • Mirrors or lenses dirty or positioned incorrectly • White plate dirty or installed incorrectly • ADF background board dirty
		<ul style="list-style-type: none"> • Clean the ADF background board. • Cycle the machine off/on. <p>-> If SC101-02/-05/-06 is occurred, refer to the each SC solution.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-02	D	Lamp Error (Initial Illumination Adjustment) (Left and Right Side)
		A part or all of the LED board on both left and right sides do not light up. This error is detected if the white level peak did not reach the prescribed threshold when the white plate was scanned.
		<ul style="list-style-type: none"> • LED board defective on both sides • SBU defective • BICU defective • Power/signal harness defective • Condensation in the scanner unit • Mirrors or lenses dirty or positioned incorrectly • White plate dirty or installed incorrectly
		<ul style="list-style-type: none"> • Clean the mirrors and white plate. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Reconnect the power/signal harness. • Replace the LED board on both sides. • Replace the lens block. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-05	D	<p>Lamp Error (Initial Illumination Adjustment) (Left Side)</p> <p>A part or all of the LED board on the left side does not light up.</p> <p>This error is detected if the white level peak did not reach the prescribed threshold when the white plate was scanned.</p> <ul style="list-style-type: none"> • LED board defective on the left side • SBU defective • BICU defective • Power/signal harness defective • Condensation in the scanner unit • Mirrors or lenses dirty or positioned incorrectly • White plate dirty or installed incorrectly <ul style="list-style-type: none"> • Clean the mirrors and white plate. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Reconnect the power/signal harness. • Replace the LED board on the left side. • Replace the lens block. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-06	D	<p>Lamp Error (Initial Illumination Adjustment) (Right Side)</p> <p>A part or all of the LED board on the right side does not light up.</p> <p>This error is detected if the white level peak did not reach the prescribed threshold when the white plate was scanned.</p> <ul style="list-style-type: none"> • LED board defective on the right side • SBU defective • BICU defective • Power/signal harness defective • Condensation in the scanner unit • Mirrors or lenses dirty or positioned incorrectly • White plate dirty or installed incorrectly <ul style="list-style-type: none"> • Clean the mirrors and white plate. • Cycle the machine off/on.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Reconnect the power/signal harness. • Replace the LED board on the right side. • Replace the lens block. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC102-00	D	<p>LED Illumination Adjustment Error (Front)</p> <p>The LED illumination cannot be adjusted.</p> <p>This error is detected if the white level peak reached the prescribed threshold when the white plate was scanned after a specified number of adjustments.</p> <ul style="list-style-type: none"> • LED board defective • SBU defective • BICU defective • Power/signal harness defective <ul style="list-style-type: none"> • Reconnect the power/signal harness. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Replace the LED board. • Replace the lens block. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC120-00	D	<p>Scanner Home Position Error 1</p> <p>The scanner home position sensor does not go OFF.</p> <p>Details:</p> <p>Error detection timing</p> <ul style="list-style-type: none"> • During homing (when the machine is turned ON or when it returns from energy save mode) • During an automatic adjustment (when the machine is turned ON or when it returns from energy save mode) • During a scan from the ADF or exposure glass. <p>After an error occurs</p> <ul style="list-style-type: none"> • Stop process, Operation panel display, LED indication, Logging • Scanner is not usable (Copier/Scanner/Document Server applications) • Printer is usable.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Scanner drive motor driver defective Scanner drive motor defective Scanner home position sensor defective Harness defective Timing belt, pulley, wire, or carriage not installed correctly
		<ul style="list-style-type: none"> Cycle the machine off/on. Replace the parts.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC121-00	D	Scanner Home Position Error 2
		The scanner home position sensor does not go ON. Details: Error detection timing
		<ul style="list-style-type: none"> During homing During an automatic adjustment During a scan from the ADF or exposure glass.
		After an error occurs
		<ul style="list-style-type: none"> Stop process, Operation panel display, LED indication, Logging Scanner is not usable (Copier/Scanner/Document Server applications). Printer is usable.
		<ul style="list-style-type: none"> Scanner drive motor driver defective Scanner drive motor defective Scanner home position sensor defective Harness defective Timing belt, pulley, wire, or carriage not installed correctly
		<ul style="list-style-type: none"> Cycle the machine off/on. Replace the part.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC141-00	D	Black level detection error (Front)
		The black level cannot be adjusted when the initial adjustments of the CMOS sensor. This error is detected if the black level did not coverage within prescribed threshold after a specified number of adjustments.
		<ul style="list-style-type: none"> SBU defective BICU defective Power/signal harness defective
		<ul style="list-style-type: none"> Reconnect the power/signal harness.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Replace the lens block. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC142-00	D	<p>White level detection error (Front)</p> <p>The white level cannot be adjusted when the initial adjustments of the CMOS sensor. This error is detected if the white level did not coverage within prescribed threshold after a specified number of adjustments.</p> <ul style="list-style-type: none"> • SBU defective • LED defective • BICU defective • Power/signal harness defective • Scanner drive error • Condensation in scanner unit • Mirrors or lenses dirty or positioned incorrectly • White plate dirty or installed incorrectly <ul style="list-style-type: none"> • Clean the mirrors/white plate • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Reconnect the power/signal harness. • Reattach/clean the mirrors/lenses. • Reattach/clean the white plate. • Replace the lens block. • Replace the LED board. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC144-00	D	<p>Scanner Communication Error (Front)</p> <ul style="list-style-type: none"> • Connection to SBU cannot be confirmed. (Connection detection error) <p>This error is detected if the releasing of the SBU reset did not confirmed after a specified time had passed.</p> <ul style="list-style-type: none"> • Cannot communicate with the SBU, or the communication result is abnormal. <p>This error is detected if the normal status was not responded in a specified number of communication.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • SBU defective • BICU defective • Power/signal harness defective
		<ul style="list-style-type: none"> • Reconnect the power/signal harness. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Replace the lens block. • Replace the BICU. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC151-00	D	Black level detection error (Back)
		<p>The black level detection error of the back side scanning sensor (CIS unit). This error is detected if even one pixel of the black level of the CIS unit did not coverage within prescribed threshold. The first and second consecutive occurrences of each constitute jams. The third occurrence constitutes an SC.</p>
		<ul style="list-style-type: none"> • CIS unit defective
		<ul style="list-style-type: none"> • Replace the CIS unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC152-00	D	White level detection error (Back)
		<p>The white level detection error of the back side scanning sensor (CIS unit). This error is detected if there were no shading data of the CIS unit in prescribed threshold. The first and second consecutive occurrences of each constitute jams. The third occurrence constitutes an SC.</p>
		<ul style="list-style-type: none"> • CIS unit defective • CIS background white roller/white plate dirty, positioned incorrectly • Power/signal harness defective
		<ul style="list-style-type: none"> • Clean the CIS background white roller. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Replace the CIS unit. • Replace the CIS background white roller. • Replace the power/signal harness.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC154-00	D	Scanner Communication Error (Back)
		Serial communication error between the CIS unit and the DF board. This error is detected when the value scanned in the ASIC on the CIS was differ from the expectation, or when the FROM data in CIS unit did not scanned normally. The first and second consecutive occurrences of each constitute jams. The third occurrence constitutes an SC.
		<ul style="list-style-type: none"> • Connector or harness between ADF control board and CIS board defective • CIS unit defective
		<ul style="list-style-type: none"> • Reconnect the power/signal harness. • Cycle the machine off/on. <p>If the SC showed up again, try the following.</p> <ul style="list-style-type: none"> • Replace the CIS unit. • Replace the ADF control board. • Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC161-02	D	BICU error (LSYNC abnormal) (Back)
		This error is detected in the BICU self-diagnostic test before the back side scanning.
		<ul style="list-style-type: none"> • CIS and BICU not connected correctly or defective • CIS unit/back side relay board defective • BICU defective
		<ul style="list-style-type: none"> • Perform the SC auto rebooting. • Cycle the machine off/on. • Reconnect the connectors. • Replace the harness. • Replace the CIS unit. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC161-20	D	BICU error (DRAM initial error)
		This error is detected in the DDR-PHY initialization and Training status confirming when the machine is turned on, or returns to full operation from energy save mode.
		<ul style="list-style-type: none"> • BICU defective • DRAM devise defective
		<ul style="list-style-type: none"> • Perform the SC auto rebooting. • Cycle the machine off/on. • Reconnect the connectors.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the harness. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC195-00	D	Machine serial number error
		Comparison of the product identification code in the machine serial number (11 digits).
		The product identification code in the machine serial number (11 digits) does not match.
		Re-enter the machine serial number.

SC200 (Engine: Image Writing)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC202-01	D	Polygon Motor: ON Timeout Error: Bk
SC202-03	D	Polygon Motor: ON Timeout Error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> The motor did not rotate normally when the polygon motor turned ON, or when the rpm had changed. <p>Error Detection:</p> <ul style="list-style-type: none"> Turned ON the polygon motor (started printing) Changed the rpm (changed the speed of printing) <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the motor did not detect READY within 10 sec after the polygon motor turned ON.
		<ul style="list-style-type: none"> Polygon motor or polygon motor driver defective Polygon harness defective BICU defective PSU defective (Polygon power supply, fuse defective) AC power supply/voltage abnormal (nonstandard)
		<ul style="list-style-type: none"> Cycle the machine off/on. Remove/Install the connectors. (Laser unit relay) Check the polygon power supply 24V of the PSU. Replace the laser unit of the applicable color. Replace the harness between the BICU and polygon. Replace the BICU. Replace the PSU (replace the fuse).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC203-01	D	Polygon Motor: OFF Timeout Error: Bk
SC203-03	D	Polygon Motor: OFF Timeout Error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> The motor did not stop in a specified time after the polygon motor went OFF. <p>Error Detection:</p> <ul style="list-style-type: none"> Turned OFF the polygon motor (stopped printing) <p>Details:</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> The SC occurs when the XSCRDY signal (polygon ready) never became inactive (H) after 3 seconds had passed from turning OFF the polygon motor.
		<ul style="list-style-type: none"> Polygon motor or polygon motor driver defective Polygon harness defective BICU defective PSU defective (Polygon power supply, fuse defective)
		<ul style="list-style-type: none"> Cycle the machine off/on. Remove/Install the connectors. (laser unit relay) Check the polygon power supply 24V of the PSU. Replace the laser unit of the applicable color. Replace the harness between the BICU and the polygon motor. Replace the BICU. Replace the PSU (replace the fuse).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC204-01	D	Polygon Motor: XSCRDY Signal Error: Bk
SC204-03	D	Polygon Motor: XSCRDY Signal Error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> The polygon motor did not rotate normally while printing. <p>Error Detection:</p> <ul style="list-style-type: none"> Pre-rotating before printing Printing <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the latched interruption signals were detected twice consecutively.
		<ul style="list-style-type: none"> Polygon motor or polygon motor driver defective Polygon harness defective BICU defective PSU defective (Polygon power supply, fuse defective) AC power supply/voltage abnormal (nonstandard)
		<ul style="list-style-type: none"> Cycle the machine off/on. Remove/Install the connectors. (laser unit relay) Check the polygon power supply 24V of the PSU. Replace the laser unit of the applicable color. Replace the harness between the BICU and polygon motor. Replace the BICU.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Replace the PSU (replace the fuse).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC210-01	C	Trailing Edge Beam Error: Bk
SC210-02	C	Trailing Edge Beam Error: Cy
SC210-03	C	Trailing Edge Beam Error: Ma
SC210-04	C	Trailing Edge Beam Error: Ye
		<p>Error Condition:</p> <ul style="list-style-type: none"> When the main scan auto magnification rate adjustment (measuring between 2 points) did not operate normally. <ul style="list-style-type: none"> Trailing edge synchronization detection does not operate. Measuring between 2 points goes to abnormal. Measuring between 2 points does not finish. <p>Error Detection:</p> <ul style="list-style-type: none"> Printing (operating the main scan auto magnification adjustment) <p>Details:</p> <ul style="list-style-type: none"> When a trailing edge beam detection error flag is asserted to VTEC status register. When a measuring between 2 points start flag is still asserted after measuring one rotation of the polygon motor. When a value of measuring between 2 points is out of specification. <hr/> <ul style="list-style-type: none"> Main scan magnification setting abnormal Laser unit defective Synchronization/LDB harness defective <hr/> <ul style="list-style-type: none"> Cycle the machine off/on. Replace the laser unit. Check the condensation. Check the rate setting values. The settings should be as follows. <ul style="list-style-type: none"> SP2-184-006 through 009 = initial value SP2-102-001,007 = 123 SP2-102-016 through 025 = 0 Adjust SP2-184-006 through 009 while checking the images until the values become appropriate. Replace the laser unit of the applicable color.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC220-01	D	Leading Edge: LD1 synchronization detection error: Bk
SC220-02	D	Leading Edge: LD1 synchronization detection error: Cy
SC220-03	D	Leading Edge: LD1 synchronization detection error: Ma
SC220-04	D	Leading Edge: LD1 synchronization detection error: Ye
		<p>Error Condition:</p> <ul style="list-style-type: none"> The synchronization detection signal (writing scan period signal) did not output. <p>Error Detection:</p> <ul style="list-style-type: none"> Starting the machine after turned ON the main power Printing <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the CPU monitored for synchronization detection monitor flags in 100 ms cycles and detected errors twice consecutively.
		<ul style="list-style-type: none"> Large main scan magnification rate Laser unit defective (Synchronization detection board defective) LDB defective Synchronization/LDB harness defective
		<ul style="list-style-type: none"> Cycle the machine off/on. Replace the laser unit. Check the condensation. Check the rate setting values. The settings should be as follows. <ul style="list-style-type: none"> SP2-184-006 through 009 = initial value SP2-102-001,007 = 123 SP2-102-016 through 025 = 0 Adjust SP2-184-006 through 009 while checking the images until the values become appropriate. Replace the laser unit of the applicable color.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC230-01	D	FGATE ON error: Bk
SC230-02	D	FGATE ON error: Cy
SC230-	D	FGATE ON error: Ma

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
03		
SC230-04	D	FGATE ON error: Ye
		<p>Error Condition:</p> <ul style="list-style-type: none"> The FGATE signal did not turn ON after the writing process started. <p>Error Detection:</p> <ul style="list-style-type: none"> Printing <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the PFGATE (generated from the writing controller ASIC) did not assert up to 3.5 sec after the printing start trigger signal (Strig signal).
		<ul style="list-style-type: none"> Connection between BICU and controllers defective BICU defective (Macaron defective) LDB defective (VTEC defective) LEB harness defective
		<ul style="list-style-type: none"> Cycle the machine off/on. Check the connection between the BICU and controllers. Disconnect/reconnect the harnesses between the BICU and the laser unit. Replace the BICU. Replace the laser unit of the applicable color. Replace the harness between the BICU and the LDB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC231-01	D	FGATE OFF error: Bk
SC231-02	D	FGATE OFF error: Cy
SC231-03	D	FGATE OFF error: Ma
SC231-04	D	FGATE OFF error: Ye
		<p>Error Condition:</p> <ul style="list-style-type: none"> The FGATE signal did not turn OFF after the writing process ended. <p>Error Detection:</p> <ul style="list-style-type: none"> Printing <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the PFGATE signal did not negate up to 8.3 sec after the PFGATE signal (generated by the writing control ASIC) had asserted.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connection between the BICU and controllers defective • BICU defective (Macaron defective) • LDB defective (VTEC defective)
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Check the connection between the BICU and controllers. • Disconnect/reconnect the harnesses between the BICU and the laser unit. • Replace the BICU. • Replace the laser unit of the applicable color. • Replace the harness between the BICU and the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC240-01	D	LD error: Bk
SC240-03	D	LD error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> • The VTEC LD error flag was detected twice consecutively when the LD turned on after initialization. <p>Error Detection:</p> <ul style="list-style-type: none"> • Starting the machine after turned ON the main power • Printing <p>Details:</p> <ul style="list-style-type: none"> • The SC occurs when the VTEC LD error flag was detected while LD driver initialization, and it was detected again after re-initialization. • The SC occurs when the VTEC LD error flag was detected twice consecutively while lighting the LD.
		<ul style="list-style-type: none"> • Large main scan magnification rate • LD degradation (LD broken, degradation of output characteristics etc.) • Laser unit defective
		<ul style="list-style-type: none"> • Cycle the main power off/on. • Check the rate setting values. The settings should be as follows. <ul style="list-style-type: none"> • SP2-184-006 through 009 = initial value • SP2-102-001,007 = 123 • SP2-102-016 through 025 = 0 • Adjust SP2-184-006 through 009 while checking the images until the values become appropriate. • Replace the laser unit of the applicable color.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC260-01	C	Laser Thermistor Error: Bk
SC260-03	C	Laser Thermistor Error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> The laser thermistor has disconnected or shorted out. <p>Error Detection:</p> <ul style="list-style-type: none"> Turned ON the machine Returned from energy save mode <p>Details:</p> <ul style="list-style-type: none"> The SC occurs when the thermistor voltage was less than 10 °C (50 °F), indicating that the thermistor has disconnected. The SC occurs when the thermistor voltage was more than 80 °C (176 °F), indicating that the thermistor has shorted out.
		<ul style="list-style-type: none"> Thermistor defective Harness of the laser unit defective IOB defective (IO-ASIC defective)
		<ul style="list-style-type: none"> Disconnect/reconnect the harness between the laser unit and the IOB. Replace the laser unit of the applicable color. Replace the IOB Replace the harness between the laser unit and the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC265-02	C	Skew correction error: Cy
SC265-03	C	Skew correction error: Ma
SC265-04	C	Skew correction error: Ye
		<p>The skew control pulse total is not within range.</p> <ul style="list-style-type: none"> Image skew correction motor defective Harness defective Optical system defective
		<ul style="list-style-type: none"> Cycle the machine off/on. Replace the laser unit. Replace the harness of the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-01	D	LD ASIC communication error: Bk

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-03	D	LD ASIC communication error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> • The CPU and the VTEC did not communicate normally. <p>Error Detection:</p> <ul style="list-style-type: none"> • Turned ON the machine • Returned from energy save mode • Printing <p>Details:</p> <ul style="list-style-type: none"> • On startup: Data 0x5A5A and 0xA5A5 are written to a predetermined register. Then the register is read and the read data is compared to the are compared • VTEC communication: If it does not match when monitoring parity, retries up to three times. The SC occurs when the error was detected three times consecutively.
		<ul style="list-style-type: none"> • BICU defective • LDB defective • Harness between the LDB and BICU defective
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Disconnect/reconnect the harness between the BICU and the laser unit. • Replace the BICU board. • Replace the laser of the applicable color. • Replace the harness between the BICU and the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-10	D	LD ASIC communication error: Startup
		<p>Error Condition:</p> <ul style="list-style-type: none"> • LD ASIC power supply was abnormal. <p>Error Detection:</p> <ul style="list-style-type: none"> • Turned ON the machine • Returned from energy save mode • Opened/Closed the door
		<ul style="list-style-type: none"> • BICU defective (LD5V power supply defective) • LDB defective • Harness between the LDB and BICU defective • Interlock defective
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Disconnect/reconnect the harness between the BICU and the laser unit. • Replace the BICU. • Replace the laser unit of the applicable color.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the harness between the BICU and the laser unit. • Replace the interlock switch.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-20	D	LD ASIC communication error: BICU
		<p>Error Condition:</p> <ul style="list-style-type: none"> • On startup: SER setting exit flag of the Brunt did timeout. <p>Error Detection</p> <ul style="list-style-type: none"> • Turned ON the machine • Returned from energy save mode <p>Details:</p> <ul style="list-style-type: none"> • On startup: SER_INI_DONE (SER setting exit flag) of the Brunt did not put up (timeout).
		<ul style="list-style-type: none"> • BICU defective (Brut defective)
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC274-01	D	Image transfer error: Bk
SC274-03	D	Image transfer error: Ma
		<p>Error Condition:</p> <ul style="list-style-type: none"> • The image transfer cable between the BICU and the LDB is disconnected. • The image transfer from the BICU to the LDB did not work normally. <p>Error Detection</p> <ul style="list-style-type: none"> • Turned ON the machine • Returned from energy mode • Opened/Closed the door • Printing <p>Details:</p> <ul style="list-style-type: none"> • Following VTEC flags were detected: <ul style="list-style-type: none"> • On detection of lane abnormality • On detection of elastic buffer overflow/underflow • On detection of STP error • On detection of END error
		<ul style="list-style-type: none"> • Laser USB cable defective • BICU defective (Macaron, Brunt defective)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • LDB defective (VTEC defective)
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Disconnect/reconnect the USB cable between the laser unit and the BICU. • Replace the USB cable. • Replace the BICU. • Replace the laser unit of the applicable color.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC276-01	D	Microcomputer communication error: Bk
SC276-03	D	Microcomputer communication error: Ma
		Error Condition: <ul style="list-style-type: none"> • Writing microcomputer did not work normally. Error Detection: <ul style="list-style-type: none"> • All the time (Turned ON to OFF the machine) Details: <ul style="list-style-type: none"> • The SC occurs when detected the VTEC error status (interruption signal).
		<ul style="list-style-type: none"> • LDB defective (VTEC defective, writing microcomputer defective)
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Replace the laser unit of the applicable color.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC285-00	D	MUSIC error
		The results of MUSIC pattern reading failed 4 times while the machine is turned ON. Details: <ul style="list-style-type: none"> • When MUSIC fails 4 times while the machine is turned ON. (The count is cleared when the machine is turned OFF e.g. when entering sleep mode.) • ID/MUSIC sensor sampling error • ID/MUSIC sensor LED adjustment error • Patch number error • Image Transfer belt flaw error • Main registration error • Sub registration error • Main scan magnification ratio error • Main scan magnification ratio deviation error
		<ul style="list-style-type: none"> • Belt flawed or smudged • ID/MUSIC sensor smudged or defective

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Pattern density defection • Writing skew motor operation defective • SP value defective <ol style="list-style-type: none"> <u>1.</u> Check the SC496-XXXX which occurred before. <ul style="list-style-type: none"> • Branch numbers 11 to 13: execute step 2. • Branch numbers 21 to 30: execute step 3. • Branch numbers 41 and more: execute steps 2, 3, and 4. <u>2.</u> Check the image density. (Execute Density Adjustment) <u>3.</u> Check the ITB belt. (Cleaning and replacement) <u>4.</u> Check the ID/MUSIC sensor. (Cleaning and replacement) <u>5.</u> Replace the laser unit of the applicable color.

SC300 (Engine: Charge, Development)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC300-01	D	Combined High-Voltage Power Supply Board (Charge) Output Error (K)
SC300-02	D	Combined High-Voltage Power Supply Board (Charge) Output Error (C)
SC300-03	D	Combined High-Voltage Power Supply Board (Charge) Output Error (M)
SC300-04	D	Combined High-Voltage Power Supply Board (Charge) Output Error (Y)
		<p>The interrupt that checks the status of the combined high-voltage power supply board (charge) power pack every 10 ms detected SC signals 15 times consecutively.</p> <p>Details:</p> <p>In case of an overcurrent, the charge power pack outputs SC signals. The machine monitors it, and issues an SC when an error occurs.</p> <ul style="list-style-type: none"> • High voltage harness shorted. • Leakage around the charge roller caused by a conductive object. • Remove the cause of leakage.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC312-01	D	Charge FB Voltage Error (K)
SC312-02	D	Charge FB Voltage Error (C)
SC312-03	D	Charge FB Voltage Error (M)
SC312-04	D	Charge FB Voltage Error (Y)
		<p>On plotter startup, the charge FB (feed-back) voltage was 0.3V or less for 15 consecutive readings.</p> <p>Details:</p> <p>SC issued when electric current does not pass after charge bias is applied, which can be caused when a harness is disconnected or damaged, or when the charge roller or the drum is not installed.</p> <ul style="list-style-type: none"> • High-voltage harness damaged or not connected correctly. • Charge roller or OPC drum not installed • Fix the problem.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC320-01	D	Combined High-Voltage Power Supply Board (Development) Output Error (K)
SC320-02	D	Combined High-Voltage Power Supply Board (Development) Output Error (C)
SC320-03	D	Combined High-Voltage Power Supply Board (Development) Output Error (M)
SC320-04	D	Combined High-Voltage Power Supply Board (Development) Output Error (Y)
		<p>When SC signals are detected 25 times consecutively in 20 ms intervals (500 msec).</p> <p>Details:</p> <p>When the combined high-voltage power supply board (development) is shorted, the combined high-voltage power supply board (development) detects it by means of an SC signal (HIGH level). The IOB monitors the SC signals as explained above.</p> <ul style="list-style-type: none"> • Development power pack shorted <p>Disconnect the high voltage cable from the output terminal of the combined high-voltage power supply board (development) of the corresponding color, and check the following points.</p> <ul style="list-style-type: none"> • PWM: Check the signal of the corresponding color. • If the signal is fixed to HIGH during photocopying process, replace the harness or the IOB. • Check the output of the combined high-voltage power supply board (development) of the corresponding color. <p>If the output is fixed to HIGH during photocopying process, replace the combined high-voltage power supply board (charge/development).</p> <p>If the output is normal during photocopying process, test the resistance between the highvoltage cable and the ground. If resistance is “0” or nearly “0”, replace the high-voltage harness or PCDU.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC325-00	D	<p>Development motor: Bk: Lock</p> <p>When the unlocked status is detected 20 times in total by referring the status register of the development motor in 100 ms intervals while the development motor is on, the machine recognizes that the development motor does not rotate correctly. When turning OFF the machine or locking the development motor, the total count will be cleared.</p> <p>Details:</p> <p>When the development motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times in total, the machine determines that the development motor is not running correctly. The machine issues an SC and stops the development motor.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Development motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the development motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the development unit. • Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC326-00	D	Development motor: C: Lock
		<p>When the unlocked status is detected 20 times in total by referring the status register of the development motor in 100 ms intervals while the development motor is on, the machine recognizes that the development motor does not rotate correctly. When turning OFF the machine or locking the development motor, the total count will be cleared.</p> <p>Details:</p> <p>When the development motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times in total, the machine determines that the development motor is not running correctly. The machine issues an SC and stops the development motor.</p>
		<ul style="list-style-type: none"> • Development motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the development motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the development unit. • Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC327-00	D	Development motor: M: Lock
		<p>When the unlocked status is detected 20 times in total by referring the status register of the development motor in 100 ms intervals while the development motor is on, the machine</p>

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>recognizes that the development motor does not rotate correctly. When turning OFF the machine or locking the development motor, the total count will be cleared.</p> <p>Details:</p> <p>When the development motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times in total, the machine determines that the development motor is not running correctly. The machine issues an SC and stops the development motor.</p>
		<ul style="list-style-type: none"> • Development motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the development motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the development unit. • Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC328-00	D	<p>Development motor: Y: Lock</p> <p>When the unlocked status is detected 20 times in total by referring the status register of the development motor in 100 ms intervals while the development motor is on, the machine recognizes that the development motor does not rotate correctly. When turning OFF the machine or locking the development motor, the total count will be cleared.</p> <p>Details:</p> <p>When the development motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times in total, the machine determines that the development motor is not running correctly. The machine issues an SC and stops the development motor.</p>
		<ul style="list-style-type: none"> • Development motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the development motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the development unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-01	D	Toner supply motor error (K): bottle
SC332-02	D	Toner supply motor error (C): bottle
SC332-03	D	Toner supply motor error (M):bottle
SC332-04	D	Toner supply motor error (Y): bottle
		<p>Detected a lock signal which indicates overcurrent in the toner supply motor.</p> <p>Error Condition:</p> <ul style="list-style-type: none"> The toner supply motor current prescribed threshold: 600 mA The lock detection counter <ol style="list-style-type: none"> When a toner supply motor is on, it is checked every 1s (100 milliseconds) for motor current value. If the value is exceeds the prescribed threshold, the lock counter increases by one. <ul style="list-style-type: none"> When the motor current value exceeds the prescribed threshold in one sampling: increase the lock counter by one When the lock signal is not detected in one sampling: clear the counter The lock detection counter is cleared when the machine is turned OFF/ON (also when the machine enters sleep mode, in which the plotter is turned off), when the screen of the cartridge re-installation is displayed, or when the SC is issued. <ul style="list-style-type: none"> The lock number counter <ol style="list-style-type: none"> The lock number counter increases by one when the lock detection counter exceeds 6 (in case of default value is 0), and when the machine determines <ul style="list-style-type: none"> If the lock number counter value is 1 to 4, the counter is cleared at the time of the toner end sensor detect the presence of the toner. The lock number counter is cleared when the machine is turned OFF/ON (also when the machine enters sleep mode, in which the plotter is turned off), and when the SC is issued. <p>SC Condition:</p> <ul style="list-style-type: none"> When the lock number counter is more than 5, the machine issues the following SC.
		<ul style="list-style-type: none"> Toner bottle not set correctly or the torque is large. Toner bottle broken or defective Toner supply motor defective
		<ul style="list-style-type: none"> Toner bottle not set correctly, toner bottle broken, or large torque: After the machine

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>stops, ask the user to remove the toner bottle, shake it and set it again. Then cycle the machine off/on to return from SC status.</p> <ul style="list-style-type: none"> • Toner bottle broken or defective: Ask the user to remove the toner bottle and set a normal bottle. Then cycle the machine off/on to return from SC status. • Toner supply motor defective: Turn OFF the machine and replace the toner supply motor. Then cycle the machine off/on to return from SC status.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC336-01	D	Developer Set Error (K)
SC336-02	D	Developer Set Error (C)
SC336-03	D	Developer Set Error (M)
SC336-04	D	Developer Set Error (Y)
		<p>When the TD sensor control voltage (Vtcnt) is 4.3V, the TD sensor output (Vt) is less than 0.7V.</p> <p>Details:</p> <p>When executing TD sensor initialization (SP3-030), the machine checks the development unit for the presence of developer. If the error condition is detected at this point, the machine determines that there is no developer and issues the SC.</p> <ul style="list-style-type: none"> • There is an extremely low amount of developer. • Check the developer.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC348-01	D	Toner supply error (K)
SC348-02	D	Toner supply error (C)
SC348-03	D	Toner supply error (M)
SC348-04	D	Toner supply error (Y)
		<p>K:</p> <p>Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-001) is less than the lower threshold (SP3-301-023) and accumulated toner clutch ON time (SP3-</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>301-041) is greater than the upper threshold (SP3-301-031).</p> <p>CMY:</p> <p>Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-002 to 004) is less than the lower threshold (SP3-301-024) and accumulated toner clutch ON time (SP3-301-042 to 044) is greater than the upper threshold (SP3-301-031).</p> <p>Details:</p> <p>This SC is issued when the toner end sensor continues detecting the presence of toner falsely.</p> <ul style="list-style-type: none"> • Toner end sensor cleaner spring broken • Toner end sensor cleaner spring not set correctly • Toner end sensor defective <ul style="list-style-type: none"> • Replace the toner supply unit.

SC300 (Engine: Around the Drum)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC360-01	D	TD sensor calibration error (K)
SC360-02	D	TD sensor calibration error (C)
SC360-03	D	TD sensor calibration error (M)
SC360-04	D	TD sensor calibration error (Y)
		<p>1. If the μ count value is more than the threshold of the no developer detection.</p> <p>2. If the μ count value cannot reach to the following target range for three times consecutively.</p> <ul style="list-style-type: none"> • Upper threshold • Lower threshold <p>Adjustment flow:</p> <ol style="list-style-type: none"> 1. Developer presence detection 2. Developer not detected. OK: Proceed to μ count measurement. NG: Save the result and exit -> SC360-01. 3. The μ count measurement 4. The μ count measurement result judgment OK: TD sensor initial setting succeeded. NG: Proceed to the error processing. <p>Error processing:</p> <ol style="list-style-type: none"> 1. Judge after increase the error count by one. Error count is less than 3: Execute the μ count measurement again Error count is 3 and over: SC360-01
		<ul style="list-style-type: none"> • TD sensor defective • Loose connection • Harness broken • Development unit defective (Developer is not new)
		<ul style="list-style-type: none"> • Replace the TD sensor or the development unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC361-01	D	TD sensor output error: Upper Limit (K)
SC361-	D	TD sensor output error: Upper Limit (C)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
02		
SC361-03	D	TD sensor output error: Upper Limit (M)
SC361-04	D	TD sensor output error: Upper Limit (Y)
		The TD sensor output (Vt) (SP3-210-001 to 004) exceeded 4.7 V 20 times consecutively.
		<ul style="list-style-type: none"> • Toner density extremely low • Check the sub hopper connection. When the connectors are disconnected, supply toner forcibly and execute manual process control. • Check the TD sensor connection. When the connectors are disconnected, execute manual process control. • Replace the development unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC362-01	D	TD sensor output error: Lower limit (K)
SC362-02	D	TD sensor output error: Lower limit (C)
SC362-03	D	TD sensor output error: Lower limit (M)
SC362-04	D	TD sensor output error: Lower limit (Y)
		The TD sensor output (Vt) (SP3-210-001 to 004) fell below 0.5 V 10 times consecutively.
		<ul style="list-style-type: none"> • TD sensor not connected correctly • TD sensor defective • Check the TD sensor connection. When the connectors are disconnected, execute the manual process control. • Replace the development unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC370-01	D	ID sensor calibration error (F)
SC370-02	D	ID sensor calibration error (C)
SC370-03	D	ID sensor calibration error (R)
		The voltage reading during process control for Vsg_reg was not within the correct range

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>(4.0 ± 0.5 V).</p> <p>Details:</p> <p>Vsg_reg is the voltage reading of the light reflected directly from the bare surface of the ITB. ID sensor calibration adjusts the LED current so that Vsg_reg becomes 4.0 ± 0.5 V.</p> <p>Adjustment flow:</p> <ol style="list-style-type: none"> Vsg_reg confirmation If Vsg_reg is smaller than 0.5V, SC371-0X is issued and process control ends. ID sensor calibration Fluctuates the LED current and measures Vsg_reg. LED current upper limit check OK: Proceeds to Vsg upper/lower limit check NG: SC372-0X is issued; proceeds to Vsg upper/lower limit check Vsg upper/lower limit check OK: Process control continued NG: SC370-0X is issued and process control ends. <ul style="list-style-type: none"> ITB deformed, out of position or damaged Wipe the ID/MUSIC sensor window with a damp cloth if dirty (never use a dry cloth). Replace the ID/MUSIC sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC371-01	D	ID sensor output error (F)
SC371-02	D	ID sensor output error (C)
SC371-03	D	ID sensor output error (R)
		<p>The ID sensor voltage reading of the light reflected directly (Vsg_reg) is below 0.5 V.</p> <ul style="list-style-type: none"> ID sensor connector disconnected/loose connection ID sensor defective Check if the ID/MUSIC sensor connector is connected. Replace the ID/MUSIC sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC373-01	D	ID Sensor Pattern Density High Error (K)
SC373-02	D	ID Sensor Pattern Density High Error (C)
SC373-03	D	ID Sensor Pattern Density High Error (M)
SC373-	D	ID Sensor Pattern Density High Error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
04		
		<p>K: The density of the Black reading in the ID sensor patterns created between pages (SP3-300-001) is greater than the threshold value set by SP3-301-021.</p> <p>CMY: The density of the Cyan/Magenta/Yellow reading in the ID sensor patterns created between pages (SP3-300-002 to o004) is greater than the threshold value set by SP3-301-022.</p> <ul style="list-style-type: none"> • Excessive toner supply • Replace the toner supply unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC374-01	D	ID Sensor Pattern Density Low Error (K)
SC374-02	D	ID Sensor Pattern Density Low Error (C)
SC374-03	D	ID Sensor Pattern Density Low Error (M)
SC374-04	D	ID Sensor Pattern Density Low Error (Y)
		<p>K: The density of the Black reading in the ID sensor patterns created between pages (SP3-300-001) was less than the threshold value set by SP3-301-023 three times consecutively.</p> <p>CMY: The density of the Cyan reading in the ID sensor patterns created between pages (SP3-300-002 to 004) is less than the threshold value set by SP3301-24 three times consecutively.</p> <ul style="list-style-type: none"> • Abnormal development bias (Continuity fault) • Image transfer error • Check development bias continuity. • Check the ITB unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC381-01	D	Potential sensor output high error (K)
SC381-02	D	Potential sensor output high error (C)
SC381-03	D	Potential sensor output high error (M)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC381-04	D	Potential sensor output high error (Y)
		<p>Vd(700) greater than 950[-V]</p> <p>Details:</p> <p>In Vd detection, which is done at the beginning of process control, the measured potential (Vd) is converted to the potential when -700 V is applied to the drum (Vd700) and used to check the potential sensor.</p> <ul style="list-style-type: none"> • Potential sensor dirty (foreign object, such as toner, entering the probe window) • Disconnect and reconnect the connector on the sensor side of the potential sensor board. • Use a blower brush to clean the potential sensor if dirty. • Replace the potential sensor board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC382-01	D	Potential sensor output low error (K)
SC382-02	D	Potential sensor output low error (C)
SC382-03	D	Potential sensor output low error (M)
SC382-04	D	Potential sensor output low error (Y)
		<p>Vd(700) lesser than 50[-V]</p> <p>Details:</p> <p>In Vd detection, which is done at the beginning of process control, the measured potential (Vd) is converted to the potential when -700 V is applied to the drum (Vd700) and used to check the potential sensor.</p> <ul style="list-style-type: none"> • Potential sensor defective (probe, board, or connector pins disconnected) • Disconnect and reconnect the connectors on the machine side/IOB side of the potential sensor board. • Replace the potential sensor board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-01	D	Drum motor (K) Lock: Encoder 1 error
SC395-02	D	Drum motor (K) Lock: Encoder 2 error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective • Black drum encoder sensor smudged • Black drum encoder sensor defective • Black drum encoder sensor connector not set correctly
		<ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the black drum encoder sensor. • Replace the harnesses. • Replace the drive unit of the black drum. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-03	D	Drum motor (K) Lock: Encoder 1/2 error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Black PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective • Black drum encoder sensor smudged • Black drum encoder sensor defective • Black drum encoder sensor connector not set correctly
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the drum encoder sensor (upper/lower) of the black drum. • Replace the harnesses. • Replace the black drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-04	D	Drum motor (K) Lock: Hole error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Drum motor defective

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the harnesses. • Replace the black drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-05	D	Drum motor (K) Lock: Overload error
		<p>Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Black PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the black drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-01	D	Drum motor (C) Lock: Encoder 1 error
SC396-02	D	Drum motor (C) Lock: Encoder 2 error
		<p>Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Drum tor defective • Connectors disconnected • Harness broken • IOB defective • Cyan drum encoder sensor smudged • Cyan drum encoder sensor defective • Cyan drum encoder sensor connector not set correctly
		<ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the drum encoder sensor (lower) of the cyan drum. • Replace the harnesses.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the drive unit of the cyan drum. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-03	D	Drum motor (C) Lock: Encoder 1/2 error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <ul style="list-style-type: none"> • Cyan PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective • Cyan drum encoder sensor smudged • Cyan drum encoder sensor defective • Cyan drum encoder sensor connector not set correctly <ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the drum encoder sensor (upper/lower) of the cyan drum. • Replace the harnesses. • Replace the drive unit of the cyan drum. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-04	D	Drum motor (C) Lock: Hole error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective <ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the harnesses. • Replace the drive unit of the cyan drum. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-05	D	Drum motor (C) Lock: Overload error

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Cyan PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the drive unit of the cyan drum. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-01	D	Drum motor (M) Lock: Encoder 1 error
SC397-02	D	Drum motor (M) Lock: Encoder 2 error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective • Magenta drum encoder sensor smudged • Magenta drum encoder sensor defective • Magenta drum encoder sensor connector not set correctly
		<ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the drum encoder sensor (lower) of the magenta drum. • Replace the harnesses. • Replace the magenta drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-03	D	Drum motor (M) Lock: Encoder 1/2 error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Magenta PCDU torque defective • Drum motor defective • Connectors disconnected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Harness broken • IOB defective • Magenta drum encoder sensor smudged • Magenta drum encoder sensor defective • Magenta drum encoder sensor connector not set correctly
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the encoder sensor (upper/lower) of the magenta drum. • Replace the harnesses. • Replace the magenta drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-04	D	Drum motor (M) Lock: Hole error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the harnesses. • Replace the magenta drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-05	D	Drum motor (M) Lock: Overload error
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p>
		<ul style="list-style-type: none"> • Magenta PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the magenta drum drive unit.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-01	D	Drum motor (Y) Lock: Encoder 1 error
SC398-02	D	Drum motor (Y) Lock: Encoder 2 error
SC398-03	D	Drum motor (Y) Lock: Encoder 1/2 error
		<p>Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective • Yellow drum encoder sensor smudged • Yellow drum encoder sensor defective • Yellow drum encoder sensor connector not set correctly <ul style="list-style-type: none"> • Check the PCPU and replace the PCPU if needed. • Check the harness connection and re-connect the harness. • Replace the drum encoder sensor (upper/lower) of the yellow drum. • Replace the harnesses. • Replace the yellow drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-04	D	Drum motor (Y) Lock: Hole error
		<p>Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <ul style="list-style-type: none"> • Drum motor defective • Connectors disconnected • Harness broken • IOB defective <ul style="list-style-type: none"> • Check the harness connection and re-connect the harness. • Replace the harnesses. • Replace the yellow drum drive unit. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-05	D	Drum motor (Y) Lock: Overload error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Yellow PCDU torque defective • Drum motor defective • Connectors disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Check the PCDU and replace the PCDU if needed. • Check the harness connection and re-connect the harness. • Replace the yellow drum drive unit. • Replace the IOB.

ASAP Command: SC detection notification (TDCU to Engine): (SC395-01 to SC398-05)

SC No.	ASAP Command: SC detection notification
SC395-01	0x55_0x08_0x01 0x55_0x08_0x02 0x55_0x08_0x03 0x55_0x08_0x04
SC395-02	0x55_0x08_0x05 0x55_0x08_0x0a 0x55_0x08_0x0f 0x55_0x08_0x14
SC395-03	0x55_0x08_0x06 0x55_0x08_0x07 0x55_0x08_0x08 0x55_0x08_0x09 0x55_0x08_0x0b 0x55_0x08_0x0c 0x55_0x08_0x0d 0x55_0x08_0x0e 0x55_0x08_0x10 0x55_0x08_0x11 0x55_0x08_0x12 0x55_0x08_0x13 0x55_0x08_0x15 0x55_0x08_0x16 0x55_0x08_0x17 0x55_0x08_0x18
SC395-04	0x55_0x02_0x29

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SC No.	ASAP Command: SC detection notification
	0x55_0x02_0x2a 0x55_0x02_0x2b 0x55_0x02_0x2c
SC395-05	0x55_0x02_0x34
SC396-01	0x55_0x02_0x01 0x55_0x02_0x02 0x55_0x02_0x03 0x55_0x02_0x04
SC396-02	0x55_0x02_0x05 0x55_0x02_0x0a 0x55_0x02_0x0f 0x55_0x02_0x14
SC396-03	0x55_0x02_0x06 0x55_0x02_0x07 0x55_0x02_0x08 0x55_0x02_0x09 0x55_0x02_0x0b 0x55_0x02_0x0c 0x55_0x02_0x0d 0x55_0x02_0x0e 0x55_0x02_0x10 0x55_0x02_0x11 0x55_0x02_0x12 0x55_0x02_0x13 0x55_0x02_0x15 0x55_0x02_0x16 0x55_0x02_0x17 0x55_0x02_0x18
SC396-04	0x55_0x02_0x29 0x55_0x02_0x2a 0x55_0x02_0x2b 0x55_0x02_0x2c
SC396-05	0x55_0x02_0x34
SC397-01	0x55_0x04_0x01 0x55_0x04_0x02 0x55_0x04_0x03 0x55_0x04_0x04
SC397-02	0x55_0x04_0x05

SC No.	ASAP Command: SC detection notification
	0x55_0x04_0x0a 0x55_0x04_0x0f 0x55_0x04_0x14
SC397-03	0x55_0x04_0x06 0x55_0x04_0x07 0x55_0x04_0x08 0x55_0x04_0x09 0x55_0x04_0x0b 0x55_0x04_0x0c 0x55_0x04_0x0d 0x55_0x04_0x0e 0x55_0x04_0x10 0x55_0x04_0x11 0x55_0x04_0x12 0x55_0x04_0x13 0x55_0x04_0x15 0x55_0x04_0x16 0x55_0x04_0x17 0x55_0x04_0x18
SC397-04	0x55_0x04_0x29 0x55_0x04_0x2a 0x55_0x04_0x2b 0x55_0x04_0x2c
SC397-05	0x55_0x04_0x34
SC398-01	0x55_0x01_0x01 0x55_0x01_0x02 0x55_0x01_0x03 0x55_0x01_0x04
SC398-02	0x55_0x01_0x05 0x55_0x01_0x0a 0x55_0x01_0x0f 0x55_0x01_0x14
SC398-03	0x55_0x01_0x06 0x55_0x01_0x07 0x55_0x01_0x08 0x55_0x01_0x09 0x55_0x01_0x0b 0x55_0x01_0x0c

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SC No.	ASAP Command: SC detection notification
	0x55_0x01_0x0d 0x55_0x01_0x0e 0x55_0x01_0x10 0x55_0x01_0x11 0x55_0x01_0x12 0x55_0x01_0x13 0x55_0x01_0x15 0x55_0x01_0x16 0x55_0x01_0x17 0x55_0x01_0x18
SC398-04	0x55_0x01_0x29 0x55_0x01_0x2a 0x55_0x01_0x2b 0x55_0x01_0x2c
SC398-05	0x55_0x01_0x34

SC300 (Engine: Transfer/Separation, Cleaning, etc.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC390-00	C	Black drum drive FF control error.
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: 0x58_0x08</p>
		<ul style="list-style-type: none"> • Black drum motor defective • Black drum encoder sensor connector disconnected or harness broken • Black drum encoder sensor defective • Black drum encoder sensor smudged or defective
		<ul style="list-style-type: none"> • Replace the black drum encoder sensor. • Replace the black drum drive unit. • Replace the black drum motor. • Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC391-00	C	Cyan drum drive FF control error.
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: 0x58_0x02</p>
		<ul style="list-style-type: none"> • Cyan drum motor defective • Cyan sensor connector disconnected or harness broken • Cyan drum encoder sensor defective • Cyan drum encoder sensor smudged or defective
		<ul style="list-style-type: none"> • Replace the cyan drum encoder sensor. • Replace the cyan drum drive unit. • Replace the cyan drum motor. • Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC392-00	C	Magenta drum drive FF control error.
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: 0x58_0x04</p>
		<ul style="list-style-type: none"> • Magenta drum motor defective • Magenta sensor connector disconnected or harness broken • Magenta drum encoder sensor defective • Magenta drum encoder encoder sensor smudged or defective

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the magenta drum encoder sensor. • Replace the magenta drum drive unit. • Replace the magenta drum motor. • Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC393-00	C	Yellow drum drive FF control error.
		<p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: 0x58_0x01</p>
		<ul style="list-style-type: none"> • Yellow drum motor defective • Yellow sensor connector disconnected or harness broken • Yellow drum encoder sensor defective • Yellow drum encoder sensor smudged or defective
		<ul style="list-style-type: none"> • Replace the yellow drum encoder sensor. • Replace the yellow drum drive unit. • Replace the yellow drum motor. • Reconnect the connector or replace the harness.

SC400 (Engine: Around the Drum)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC400-01	D	Development Gamma High Error (K)
SC400-02	D	Development Gamma High Error (C)
SC400-03	D	Development Gamma High Error (M)
SC400-04	D	Development Gamma High Error (Y)
		<p>Development gamma > 3.0</p> <p>Details:</p> <p>This SC is issued when the development gamma measured during process control was greater than 3.0</p> <ul style="list-style-type: none"> • Toner density too high • Condensation
		<ul style="list-style-type: none"> • Replace the developer. • If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC401-01	D	Development Gamma Low Error (K)
SC401-02	D	Development Gamma Low Error (C)
SC401-03	D	Development Gamma Low Error (M)
SC401-04	D	Development Gamma Low Error (Y)
		<p>Development gamma > 3.0</p> <p>Details:</p> <p>This SC is issued when the development gamma measured during process control was smaller than 3.0</p> <ul style="list-style-type: none"> • Toner density error • The dustproof glass is dirty. • Transfer power pack defective • PCPU set error
		<ul style="list-style-type: none"> • Check the toner supply system. • Clean the dustproof glass.

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the transfer power pack. • Check if the PCDU is installed correctly by looking at the lock levers. (PCDU)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC402-51	D	Development gamma calculation error: Insufficient data (K)
SC402-52	D	Development gamma calculation error: Insufficient data (C)
SC402-53	D	Development gamma calculation error: Insufficient data (M)
SC402-54	D	Development gamma calculation error: Insufficient data (KY)
		<p>The number of valid data that can be used for development gamma calculation is smaller than 2.</p> <ul style="list-style-type: none"> • Toner density error • Condensation • Replace the developer. • If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC402-61	D	Development gamma calculation error: LD unlit (K)
SC402-62	D	Development gamma calculation error: LD unlit (C)
SC402-63	D	Development gamma calculation error: LD unlit (M)
SC402-64	D	Development gamma calculation error: LD unlit (Y)
		<p>Unable to draw gradation pattern</p> <p>Details:</p> <p>This SC is issued when the potential sensor fails to detect the gradation pattern created during process control.</p> <ul style="list-style-type: none"> • LD unlit • Check the LD system and electric components.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC403-	C	Development Start Voltage (Vk) High Error (K)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		
SC403-02	C	Development Start Voltage (Vk) High Error (C)
SC403-03	C	Development Start Voltage (Vk) High Error (M)
SC403-04	C	Development Start Voltage (Vk) High Error (Y)
		Development Start Voltage (Vk) > 300 [-V] Details: This SC is issued when the development start voltage measured during process control exceeded 300[-V].
		<ul style="list-style-type: none"> • Toner density error • Replace the developer.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC404-01	C	Development Start Voltage (Vk) Low Error (K)
SC404-02	C	Development Start Voltage (Vk) Low Error (C)
SC404-03	C	Development Start Voltage (Vk) Low Error (M)
SC404-04	C	Development Start Voltage (Vk) Low Error (Y)
		Development Start Voltage (Vk) < 300 [-V] Details: This SC is issued when the development start voltage measured during process control was smaller than 300[-V].
		<ul style="list-style-type: none"> • Toner density error • Condensation • Replace the developer. • If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC410-01	C	Residual Voltage (Vr) Detection Error (K)
SC410-02	C	Residual Voltage (Vr) Detection Error (C)

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC410-03	C	Residual Voltage (Vr) Detection Error (M)
SC410-04	C	Residual Voltage (Vr) Detection Error (Y)
		Residual Voltage (Vr) > 200[-V] Details: This SC is issued when the residual voltage measured during process control exceeded 200 [-V].
		<ul style="list-style-type: none"> • Toner density error • Condensation
		<ul style="list-style-type: none"> • Replace the developer. • If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC411-01	C	Charge potential (Vd) Adjustment Error (K)
SC411-02	C	Charge potential (Vd) Adjustment Error (C)
SC411-03	C	Charge potential (Vd) Adjustment Error (M)
SC411-04	C	Charge potential (Vd) Adjustment Error (Y)
		Failed to adjust the DC charge bias to the target range: $Vd \pm 8V$. Details: This SC is issued when the machine fails to adjust the DC charge bias to the target range: $Vd \pm 8V$ during process control.
		<ul style="list-style-type: none"> • Charge roller dirty
		<ul style="list-style-type: none"> • Replace the charge roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC412-01	C	LD input current (Vpl) Adjustment Error (K)
SC412-02	C	LD input current (Vpl) Adjustment Error (C)
SC412-03	C	LD input current (Vpl) Adjustment Error (M)
SC412-04	C	LD input current (Vpl) Adjustment Error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
04		
		Failed to adjust the LD power to the target range: $V_{pl} \pm 5V$. Details: This SC is issued when the machine fails to adjust the LD power to the target range: $V_{pl} \pm 5V$ during process control.
		<ul style="list-style-type: none"> • OPC drum deteriorated (Filming etc.) • Charge roller dirty
		<ul style="list-style-type: none"> • Replace the OPC drum. • Replace the charge roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC421-01	C	OPC home position signal detection error (K)
SC421-02	C	OPC home position signal detection error (C)
SC421-03	C	OPC home position signal detection error (M)
SC421-04	C	OPC home position signal detection error (Y)
		Failed to detect the home position signal within specified time.
		<ul style="list-style-type: none"> • Home position sensor defective/Loose connection/Harness broken/Connector disconnected • Home position sensor smudged
		<ul style="list-style-type: none"> • Check the home position sensor connector. • Check the home position sensor harness. • Replace the home position sensor if it is found to be defective. • Check the sensor for smudges. Blow it with air and check again.

SC400 (Engine: Transfer/Separation, Cleaning etc.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-11	D	Image Transfer Power Pack Error (low output) (K)
SC440-12	D	Image Transfer Power Pack Error (low output) (C)
SC440-13	D	Image Transfer Power Pack Error (low output) (M)
SC440-14	D	Image Transfer Power Pack Error (low output) (Y)
		<p>The resistance level of the image transfer roller was "R-3" during image transfer voltage detection, when the image transfer roller resistance FB control was running.</p> <ul style="list-style-type: none"> Image transfer power pack defective Problem with input harness to the image transfer power pack (loose connection, harness broken, or connector disconnected).
		<ul style="list-style-type: none"> Fix or replace the image transfer power pack. Check the input harness and connector of the image transfer power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC442-00	D	Image Transfer Belt Unit Lift Control Error
		<p>Even though the ITB lift motor rotates, the ITB lift sensor did not detect the actuator within specified time.</p> <p>Details:</p> <ul style="list-style-type: none"> During home-positioning (operation for fixing the separated status) (During the ITB separation movement) The ITB lift sensor status does not change from "interrupted" to "not interrupted" status within 2000 msec from the start of ITB lift motor rotation. During normal contact/separation movement (printing/process control/MUSIC/forced toner consumption) During the ITB contact movement: The ITB lift sensor status does not change from "not interrupted" to "interrupted" status within 2000 msec from the start of ITB lift motor rotation. During the ITB separation movement: The ITB lift sensor status does not change from "interrupted" to "not interrupted" status within 2000 msec from the start of ITB lift motor rotation.
		<ul style="list-style-type: none"> During contact/separation movement under special conditions (paper jam, paper end etc.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>During the ITB separation movement: The ITB lift sensor status does not change from "interrupted" to "not interrupted" status within 2000 msec from the start of ITB lift motor rotation.</p> <p>Detection timing: During the ITB contact/separation movement Detection interval: 2 msec or more</p>
		<ul style="list-style-type: none"> • ITB lift sensor smudged • Motor/sensor defective • Harness broken or problem with connection (such as a disconnected connector)
		<ul style="list-style-type: none"> • If smudged: cleaning • If defective or broken: replacement • Problem with connection: reconnection

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-01	C	ITB unit control error: driven shaft FB
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC. • ASAP command: 0x58_0x40
		<ul style="list-style-type: none"> • ITB motor defective • ITB unit set error • Connector disconnected or harness broken • ITB driven shaft encoder sensor defective • ITB driven shaft encoder smudged or damaged
		<ul style="list-style-type: none"> • Replace the ITB unit. • Replace the ITB motor. • Set the ITB unit again. • Replace the ITB driven shaft encoder. • Reconnect the connectors • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-02	C	ITB unit control error: driven shaft eccentricity correction control
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC. • ASAP command: 0x58_0x20
		<ul style="list-style-type: none"> • ITB motor defective • ITB unit set error • Connector disconnected or harness broken

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> ITB driven shaft encoder sensor defective ITB driven shaft encoder smudged or damaged ITB drive shaft encoder sensor defective ITB drive shaft encoder smudged or damaged
		<ul style="list-style-type: none"> Replace the ITB unit. Replace the ITB motor. Set the ITB unit again. Replace the ITB driven shaft encoder sensor. Replace the ITB driven shaft encoder. Replace the ITB drive shaft encoder sensor. Replace the ITB drive shaft encoder. Reconnect the connectors or replace the harness. Replace the ITB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-03	C	ITB unit control error: dancing control
		<ul style="list-style-type: none"> Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x10
		<ul style="list-style-type: none"> ITB motor defective ITB unit set error Connector disconnected or harness broken ITB driven shaft encoder sensor defective ITB driven shaft encoder smudged or damaged ITB drive shaft encoder sensor defective ITB drive shaft encoder smudged or damaged
		<ul style="list-style-type: none"> Replace the ITB unit. Replace the ITB motor. Set the ITB unit again. Replace the ITB driven shaft encoder sensor. Replace the ITB driven shaft encoder. Replace the ITB drive shaft encoder sensor. Replace the ITB drive shaft encoder. Reconnect the connectors or replace the harness. Replace the ITB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-	D	ITB motor: Lock: ITB drive shaft encoder sensor error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • IOB/TDRB defective • Unit torque increased • ITB drive shaft encoder sensor smudged • ITB drive shaft encoder sensor defective • ITB drive shaft encoder sensor connector not set correctly
		<p>This error is caused by the encoder sensor of the ITB drive shaft. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the harness connection, and re-connect the harness. <u>2.</u> Clean the ITB drive shaft encoder sensor and ITB drive shaft encoder. <u>3.</u> Replace the ITB drive shaft encoder sensor (including the drive gear). <u>4.</u> Replace the harness. <u>5.</u> Replace the ITB motor. (The ITB motor defective is a low possibility, because the brunch number 0.3 should be stood.) <u>6.</u> Replace the TDRB. <u>7.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-02	D	ITB motor : Lock: ITB driven shaft encoder sensor error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Connector disconnected • Harness broken • IOB/TDRB defective • ITB driven shaft encoder sensor smudged • ITB driven shaft encoder sensor defective • ITB driven shaft encoder sensor connector not set correctly
		<p>This error is caused by the encoder sensor of the ITB driven shaft. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the harness connection, and re-connect the harness. <u>2.</u> Clean the encoder sensor and encoder of the driven shaft.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"> <u>3.</u> Replace the encoder sensor and encoder. <u>4.</u> Replace the harness. <u>5.</u> Replace the TDRB. <u>6.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-03	D	ITB motor: Lock: ITB drive/driven shaft encoder sensor error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • IOB/TDRB defective • Unit torque increased • ITB drive shaft encoder sensor smudged • ITB driven shaft encoder sensor smudged • ITB drive shaft encoder sensor defective • ITB driven shaft encoder sensor defective • ITB drive shaft encoder sensor connector not set correctly • ITB driven shaft encoder sensor connector not set correctly
		<p>This error is caused by the encoder sensor of the ITB drive/idle shaft. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the ITB unit and ITB cleaning unit (such as blade rolled-in). Check the motor by rotating with your hand. <u>2.</u> Check the harness connection, and re-connect the harness. <u>3.</u> Check the gear of the ITB drive unit. (Replace the gear and encoder if needed.) <u>4.</u> Replace the ITB motor. <u>5.</u> Replace or clean the ITB drive/drive shaft encoder sensor and encoders. <u>6.</u> Replace the harness. <u>7.</u> Replace the TDRB. <u>8.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-04	D	ITB motor: Lock: Hole error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • ITB Motor defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connector disconnected • Harness broken • IOB defective <p>This error is caused by the ITB motor. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the harness connection, and re-connect the harness. <u>2.</u> Replace the ITB motor. <u>3.</u> Replace the harness. <u>4.</u> Replace the TDRB. <u>5.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-05	D	ITB motor: Lock: Overload error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC. <ul style="list-style-type: none"> • ITB motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased <p>This error is caused by the overload of the ITB motor. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the ITB unit and ITB cleaning unit (such as blade rolled-in). Check the motor by rotating with your hand. <u>2.</u> Check the harness connection, and re-connect the harness. <u>3.</u> Replace the harness. <u>4.</u> Replace the ITB drive unit. <u>5.</u> Replace the TDRB. <u>6.</u> Replace the IOB.

ASAP Command: SC detection notification (TDCU to Engine): (SC446-01 to SC446-05)

SC No.	ASAP Command: SC detection notification
SC446-01	0x55_0x40_0x01 0x55_0x40_0x02 0x55_0x40_0x03 0x55_0x40_0x04
SC446-02	0x55_0x40_0x05 0x55_0x40_0x0a 0x55_0x40_0x0f

6.Troubleshooting

SC No.	ASAP Command: SC detection notification
	0x55_0x40_0x14
SC446-03	0x55_0x40_0x06 0x55_0x40_0x07 0x55_0x40_0x08 0x55_0x40_0x09 0x55_0x40_0x0b 0x55_0x40_0x0c 0x55_0x40_0x0d 0x55_0x40_0x0e 0x55_0x40_0x10 0x55_0x40_0x11 0x55_0x40_0x12 0x55_0x40_0x13 0x55_0x40_0x15 0x55_0x40_0x16 0x55_0x40_0x17 0x55_0x40_0x18
SC446-04	0x55_0x40_0x29 0x55_0x40_0x2a 0x55_0x40_0x2b 0x55_0x40_0x2c
SC446-05	0x55_0x40_0x34

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-01	D	transfer/separation power pack (DC): error detection (leak)
SC450-02	D	AC Transfer Power Pack (AC): error detection (leak)
		<ul style="list-style-type: none"> When operate the samplings every 10 ms during the transfer/separation power pack (AC), the SC is issued if an error is detected 50 times (500 ms) consecutively. When operate the samplings every 10 ms during the AC transfer power pack (DC), the SC is issued if an error is detected 100 times (1000 ms) consecutively. <p>*The SC is masked when the inter lock is released.</p> <p>MP C6503/C8003</p> <ul style="list-style-type: none"> The SC signal (SC450-02) of the AC output is masked all the time. <p>Pro C5200S/C5210S</p> <ul style="list-style-type: none"> The SC signal (SC450-01) of the DC output is masked when the AC output is ON. The SC signal (SC450-02) of the AC output is masked when the AC output is OFF.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> The power pack output current is leaking.
		<p>Remove the high voltage cable from the output terminal of the transfer/separation power pack or the AC transfer power pack, and then check the following items.</p> <ul style="list-style-type: none"> PWM signal check <ul style="list-style-type: none"> If signal is fixed during image transfer, replace the cable or the IOB. Check the output of the transfer/separation power pack or the AC transfer power pack <ul style="list-style-type: none"> If output is fixed during image transfer, replace the power pack. If output is normal during image transfer, replace the high voltage cable, ITB or the paper transfer belt.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-11	D	Transfer/Separation Power Pack Error (low output)
		<p>The resistance level of the ITB roller was "R-3" during ITB roller voltage detection, when the ITB roller resistance FB control was running.</p> <ul style="list-style-type: none"> Transfer/separation power pack defective Problem with input harness to the transfer/separation power pack (loose connection, harness broken, or connector disconnected).
		<ul style="list-style-type: none"> Fix or replace the transfer/separation power pack. Check the input harness and connector of the transfer/separation power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC452-00	D	Paper Transfer Belt Lift Error
		<p>Even though the paper transfer belt separation motor rotates, the paper transfer belt separation sensor status does not change to the specified status within specified time.</p> <p>Details:</p> <ul style="list-style-type: none"> During home-positioning (operation for fixing the separated status) (During the paper transfer belt separation movement) <p>The paper transfer belt separation sensor status does not change from "not interrupted" to "interrupted" status within 2000 msec from the start of paper transfer belt separation motor rotation.</p> During normal contact/separation movement (printing/process control/MUSIC/forced toner consumption) <p>During the paper transfer belt contact movement:</p> <p>The paper transfer belt separation sensor status does not change from "interrupted" to</p>

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>"not interrupted" status within 2000 msec from the start of paper transfer belt separation motor rotation.</p> <p>During the paper transfer belt separation movement:</p> <p>The paper transfer belt separation sensor status does not change from "not interrupted" to "interrupted" status within 2000 msec from the start of paper transfer belt lift motor rotation.</p> <ul style="list-style-type: none"> • During contact/separation movement under special conditions (paper jam, paper end etc.) <p>During the paper transfer belt separation movement:</p> <p>The paper transfer belt separation sensor status does not change from "not interrupted" to "interrupted" status within 2000 msec from the start of paper transfer belt lift motor rotation.</p> <p>Detection timing: During contact/separation movement</p> <p>Detection interval: 2 msec or less</p>
		<ul style="list-style-type: none"> • Paper transfer belt separation sensor smudged • Paper transfer belt separation motor defective • Paper transfer belt separation sensor defective • Harness broken or problem with connection (such as a disconnected connector)
		<ul style="list-style-type: none"> • If smudged: cleaning • If defective or broken: replacement • If defective or broken: replacement • Problem with connection: reconnection

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-01	D	Paper transfer belt motor: Lock: Encoder 1 error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Paper transfer belt motor defective • Connector disconnected • Harness broken • IOB defective • Paper transfer belt encoder sensor smudged • Paper transfer belt encoder sensor defective • Paper transfer belt encoder sensor connector not set correctly
		<p>This error is caused by the paper transfer belt encoder sensor (lower). Restore the error with the following procedures.</p> <ol style="list-style-type: none"> 1. Check the harness connection, and re-connect the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"> <u>2.</u> Replace the paper transfer belt encoder sensor (lower). <u>3.</u> Replace the harness. <u>4.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-02	D	Paper transfer belt motor (K) Lock: Encoder 2 error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Paper transfer belt motor defective • Connector disconnected • Harness broken • IOB defective • Paper transfer belt encoder sensor smudged • Paper transfer belt encoder sensor defective • Paper transfer belt encoder sensor connector not set correctly
		<p>This error is caused by the paper transfer belt encoder sensor (upper). Restore the error with the following procedures.</p> <ol style="list-style-type: none"> <u>1.</u> Check the harness connection, and re-connect the harness. <u>2.</u> Replace the paper transfer belt encoder sensor (upper). <u>3.</u> Replace the harness. <u>4.</u> Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-03	D	Paper transfer belt motor (K) Lock: Encoder 1/2 error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Paper transfer belt motor defective • Connector disconnected • Harness broken • IOB defective • Paper transfer belt encoder sensor smudged • Paper transfer belt encoder sensor defective • Paper transfer belt encoder sensor connector not set correctly
		<p>This error is caused by the paper transfer belt encoder sensor (upper/lower). Restore the error with the following procedures.</p>

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"> 1. Check the paper transfer belt unit. (If any defect is found, refer to the replacement procedures of the paper transfer belt unit.) 2. Check the ITB cleaning unit. (If any defect is found, refer to the replacement procedures of the ITB cleaning unit.) 3. Check the paper transport belt unit. (If any defect is found, refer to the replacement procedures of the paper transport belt unit.) 4. Check the waste toner collection path. (If any defect is found, refer to the replacement procedures of the waste toner collection path.) 5. Check the paper transfer belt drive parts. (Replace the parts if needed, such as a broken gear.) 6. Check the harness connection, and re-connect the harness. 7. Replace the paper transfer belt encoder sensor (upper/lower). 8. Replace the harness. 9. Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-04	D	Paper transfer belt motor (K) Lock: Hole error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Paper transfer belt motor defective • Connector disconnected • Harness broken • IOB defective
		<p>This error is caused by the paper transfer belt motor. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> 1. Check the harness connection, and re-connect the harness. 2. Replace the harness. 3. Replace the paper transfer belt motor. 4. Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-05	D	Paper transfer belt motor (K) Lock: Overload error
		<ul style="list-style-type: none"> • Error detected by the TDCU. • If a command sent from the TDCU indicates an error, the engine issues an SC.
		<ul style="list-style-type: none"> • Paper transfer belt motor defective • Connector disconnected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Harness broken • IOB defective
		<p>This error is caused by the overload of the paper transfer belt drive unit. Restore the error with the following procedures.</p> <ol style="list-style-type: none"> 1. Check the paper transfer belt unit. (If any defect is found, refer to the replacement procedures of the paper transfer belt unit.) 2. Check the ITB cleaning unit. (If any defect is found, refer to the replacement procedures of the ITB cleaning unit.) 3. Check the paper transport belt unit. (If any defect is found, refer to the replacement procedures of the paper transport belt unit.) 4. Check the waste toner collection path. (If any defect is found, refer to the replacement procedures of the waste toner collection path.) 5. Check the paper transfer belt drive parts. (Replace the parts if needed, such as a broken gear.) 6. Check the harness connection, and re-connect the harness. 7. Replace the harness. 8. Replace the IOB.

ASAP Command: SC detection notification (TDCU to Engine): (SC465-01 to SC465-05)

SC No.	ASAP Command: SC detection notification
SC465-01	0x55_0x80_0x01 0x55_0x80_0x02 0x55_0x80_0x03 0x55_0x80_0x04
SC465-02	0x55_0x80_0x05 0x55_0x80_0x0a 0x55_0x80_0x0f 0x55_0x80_0x14
SC465-03	0x55_0x80_0x06 0x55_0x80_0x07 0x55_0x80_0x08 0x55_0x80_0x09 0x55_0x80_0x0b 0x55_0x80_0x0c 0x55_0x80_0x0d 0x55_0x80_0x0e 0x55_0x80_0x10 0x55_0x80_0x11 0x55_0x80_0x12

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SC No.	ASAP Command: SC detection notification
	0x55_0x80_0x13 0x55_0x80_0x15 0x55_0x80_0x16 0x55_0x80_0x17 0x55_0x80_0x18
SC465-04	0x55_0x80_0x29 0x55_0x80_0x2a 0x55_0x80_0x2b 0x55_0x80_0x2c
SC465-05	0x55_0x80_0x34

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC480-00	D	Drum cleaning motor: Bk: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x08 Details: When the drum cleaning motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the drum cleaning motor.
		<ul style="list-style-type: none"> • Drum cleaning motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the drum cleaning motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the drum cleaning unit. • Replace the drum cleaning drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC481-00	D	Drum cleaning motor: C: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x02</p> <p>Details: When the drum cleaning motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the drum cleaning motor.</p>
		<ul style="list-style-type: none"> • Drum cleaning motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the drum cleaning motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the drum cleaning unit. • Replace the drum cleaning drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC482-00	D	<p>Drum cleaning motor: M: Lock</p> <p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x04</p> <p>Details: When the drum cleaning motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the drum cleaning motor.</p>
		<ul style="list-style-type: none"> • Drum cleaning motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the drum cleaning motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the drum cleaning unit.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Replace the drum cleaning drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC483-00	D	<p>Drum cleaning motor: Y: Lock</p> <p>Error detected by the TDCU.</p> <p>If a command sent from the TDCU indicates an error, the engine issues an SC.</p> <p>ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B</p> <p>ASAP command: SC detection notification (TDCU to engine): 0x57_0x01</p> <p>Details:</p> <p>When the drum cleaning motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the drum cleaning motor.</p> <ul style="list-style-type: none"> Drum cleaning motor defective Connector disconnected Harness broken IOB defective Unit torque increased. <ul style="list-style-type: none"> Replace the drum cleaning motor. Reconnect the connector. Replace the harness. Replace the IOB. Replace the drum cleaning unit. Replace the drum cleaning drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC486-00	D	<p>Waste Toner Bottle Sensor Detection Error</p> <p>For the waste toner control, the waste toner full processing runs when all of the following conditions are fulfilled.</p> <ul style="list-style-type: none"> The waste toner bottle is "no toner" or "not nearly full". Signals sent from the waste toner bottle sensor were either ON or OFF 50 times consecutively. <p>The SC is issued when all of the above conditions are fulfilled after the waste toner bottle is removed/installed.</p> <ul style="list-style-type: none"> Physical obstruction is blocking waste toner transport path Waste toner transport motor defective Waste toner bottle sensor defective Harness broken Connection fault

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Physical obstruction is blocking waste toner transport path: Replace or clean the waste toner transport section. Waste toner transport motor defective: Replace the motor. Waste toner bottle sensor defective: Replace the sensor. Harness broken: Replace the harness. Connection fault: Reconnect it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC488-00	D	Waste Toner Lock Sensor Detection Error
		The intervals of signals sent from the machine waste toner lock sensor (normally 64.68 msec) became either less than 30 msec or more than 81 msec.
		<ul style="list-style-type: none"> Physical obstruction is blocking waste toner transport path Waste toner collection motor defective Waste toner lock sensor defective Harness broken Connection fault
		<ul style="list-style-type: none"> Physical obstruction is blocking waste toner transport path: Replace or clean the waste toner transport section. Waste toner lock sensor defective or harness broken: Replace parts. Connection fault: Reconnect it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC496-11	C	MUSIC Sensor Error: Poor patch number (Front)
SC496-12	C	MUSIC Sensor Error: Poor patch number (Center)
SC496-13	C	MUSIC Sensor Error: Poor patch number (Rear)
SC496-21	C	MUSIC Sensor Error: Belt scratched, smudged (Normal) (Front)
SC496-22	C	MUSIC Sensor Error: Belt scratched, smudged (Normal) (Center)
SC496-23	C	MUSIC Sensor Error: Belt scratched, smudged (Normal) (Rear)
SC496-30	C	MUSIC Sensor Error: Belt scratched, smudged (Normal) (Multi ch)
SC496-	C	MUSIC Sensor Error: Sub registration error (C)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
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SC496-42	C	MUSIC Sensor Error: Sub registration error (M)
SC496-43	C	MUSIC Sensor Error: Sub registration error (Y)
SC496-51	C	MUSIC Sensor Error: Main registration error (C)
SC496-52	C	MUSIC Sensor Error: Main registration error (M)
SC496-53	C	MUSIC Sensor Error: Main registration error (Y)
SC496-61	C	MUSIC Sensor Error: Main scan magnification ratio error (C)
SC496-62	C	MUSIC Sensor Error: Main scan magnification ratio error (M)
SC496-63	C	MUSIC Sensor Error: Main scan magnification ratio error (Y)
SC496-71	C	MUSIC Sensor Error: Main scan magnification ratio error (Left/Right) (C)
SC496-72	C	MUSIC Sensor Error: Main scan magnification ratio error (Left/Right) (M)
SC496-73	C	MUSIC Sensor Error: Main scan magnification ratio error (Left/Right) (Y)
SC496-81	C	MUSIC Sensor Error: Bend error (C)
SC496-82	C	MUSIC Sensor Error: Bend error (M)
SC496-83	C	MUSIC Sensor Error: Bend error (Y)
		<p>Error Condition:</p> <p>The SC is issued when one of the following errors is occurred.</p> <ul style="list-style-type: none"> • Poor patch number (-11: Front, -12: Center, -13: Rear) • Belt scratched, smudged (-21: Front, -22: Center, -23: Rear, -30: Multi ch) • Sub scan registration error (-41: Cyan, -42: Magenta, -43: Yellow)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Main scan registration error (-51: Cyan, -52: Magenta, -53: Yellow) • Main scan magnification ratio error (-61: Cyan, -62: Magenta, -63: Yellow) • Main scan magnification ratio error (Left/Right) (-71: Cyan, -72: Magenta, -73: Yellow) • Bend error (-81: Cyan, -82: Magenta, -83: Yellow) <p>Error Detection:</p> <ul style="list-style-type: none"> • Executing MUSIC <p>Details:</p> <p>Each branch number error determines as follows.</p> <ul style="list-style-type: none"> • Poor patch number -> When the patch number is lower than specified. • Belt scratched, smudged -> When the belt is scratched or smudged in multiple parts. • Sub scan registration error -> When the correction amount is as follows; fine adjustment: ± 1.4 or more, rough adjustment: ± 20mm or more. • Main scan registration error -> When the correction amount is as follows; fine adjustment: ± 1.4 or more, rough adjustment: ± 15mm or more. • Main scan magnification ratio error -> When the ratio is $\pm 0.7\%$ or more (outside of the correction table). • Main scan magnification ratio error (Left/Right) -> When the correction amount is ± 32 dot or above. • Bend error -> When the correction amount is \pm (the value of the SP2-190-011) or more. <hr/> <ul style="list-style-type: none"> • Pattern density abnormal • ITB scratched or smudged • MUSIC sensor smudged or defective • Writing skew motor defective • SP value defective <hr/> <p>1. Check the SP2-181-001 (Alignment result: General).</p> <ul style="list-style-type: none"> • Branch numbers 11 to 13: execute step 2. • Branch numbers 21 to 30: execute step 3. • Branch numbers 41 and more: execute step 2, 3, and 4. <p>2. Check the image density. (Execute Density Adjustment)</p>

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p><u>3.</u> Check the ITB belt. (Cleaning and replacement)</p> <p><u>4.</u> Check the ID/MUSIC sensor. (Cleaning and replacement)</p> <p><u>5.</u> Replace the laser unit of the applicable color.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC498-00	C	<p>ITB Temperature/Humidity Sensor Error</p> <p>One of the following occurred.</p> <ul style="list-style-type: none"> The temperature sensor output was less than 0.5V or more than 2.8V for three seconds (one second x 3), indicating a problem with the temperature sensor. The humidity sensor output was more than 2.4V for three seconds (one second x 3), indicating a problem with the humidity sensor. <p>Details:</p> <p>Detection is repeated after power off/on.</p> <p>If either of ITB temperature/humidity sensors works correctly, the working sensor will be used even after the SC is issued.</p> <p>The machine continues working with the assumption that the temperature is 23 degrees centigrade (if there is a problem with the temperature sensor) and/or the humidity is 50% (if there is a problem with the humidity sensor)</p> <ul style="list-style-type: none"> Connector disconnected or harness broken ITB temperature/humidity sensor defective <ul style="list-style-type: none"> Connector disconnected or harness broken: Revert connection. ITB temperature/humidity sensor defective: Replace the sensor.

SC500 (Engine: Paper transport 1: Paper Feed, Duplex, Transport)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-01	B	1st Tray Lift Error (A3 extended tray)
		1st tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • 1st tray lift motor disconnected/harness broken/defective • Paper tray upper limit sensor (1st tray) disconnected/defective/smudged • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray upper limit sensor/reconnect the tray upper limit sensor connector/clean the tray upper limit sensor/replace the tray upper limit sensor/replace the 1st tray. • Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the A3 extended tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-02	B	1st Tray Lowering Error (A3 extended tray)
		1st tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		<ul style="list-style-type: none"> • 1st tray lift motor disconnected/harness broken/defective • Tray upper limit (1st tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray lift sensor/reconnect the tray upper limit sensor connector/clean the tray upper limit sensor/replace the tray upper limit sensor/replace the 1st tray. • Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the A3 extended tray/replace the driven unit.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-11	B	1st Tray Lift Error (Tandem tray/tandem LCIT)
		1st tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • 1st tray lift motor disconnected/harness broken/defective • tray upper limit (1st tray) disconnected/defective/smudged • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray lift sensor/reconnect the tray upper limit sensor connector/clean the tray upper limit sensor/replace the tray upper limit sensor/replace the 1st tray. • Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-12	B	1st Tray Lowering Error (Tandem tray/Tandem LCIT)
		1st tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		<ul style="list-style-type: none"> • 1st tray lift motor disconnected/harness broken/defective • tray upper limit (1st tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray lift sensor/reconnect the tray upper limit sensor connector/clean the tray upper limit sensor/replace the tray upper limit sensor/replace the 1st tray. • Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-13	B	1st Tray Lower Limit Error (Tandem tray/Tandem LCIT)
		1st tray lift motor lower limit error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • 1st tray lift motor disconnected/harness broken/defective • Tray lower limit sensor disconnected/defective/smudged • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray lower limit sensor/reconnect the tray lower limit sensor connector/clean the tray lower limit sensor/replace the tray lower limit sensor. • Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-14	C	Tandem Transport Fence Error
		Rear fence return motor return error detected. Rear fence return motor home position error detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: User is instructed to set paper again and SC is recorded but not displayed. The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • Rear fence return motor disconnected/defective • Rear fence return sensor disconnected/defective/smudged • Rear fence home position sensor disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the rear fence return motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Replace the rear fence return motor/reconnect the connector/replace the harness/replace the PFB/replace the left tray/replace the driven unit. • Check the harness of the rear fence return sensor/reconnect the rear fence return sensor connector/clean the sensor/replace the sensor. • Check the harness of the rear fence home position sensor/reconnect the rear fence home position sensor connector/clean the rear fence home position sensor/replace the rear fence home position sensor.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Load paper again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-01	B	2nd Tray Lift Error
		<p>2nd tray lift motor lift error was detected.</p> <p>If detected for the first or second time: User is instructed to set paper again.</p> <p>If detected for the third time: SC displayed (only the corresponding tray)</p> <p>The count of detections is reset when successful operation is detected and at power off/on.</p>
		<ul style="list-style-type: none"> • 2nd tray lift motor disconnected/harness broken/defective • Paper tray upper limit sensor (2nd tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the tray upper limit sensor/reconnect the tray upper limit sensor connector/clean the tray upper limit sensor/replace the 2nd tray. • Replace the 2nd tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the 2nd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-02	B	2nd Tray Lowering Error
		<p>Tray lift motor lower error was detected.</p> <p>If detected for the first to fourth time: User is instructed to set paper again.</p> <p>If detected for the fifth time: SC displayed (only the corresponding tray)</p> <p>The count of detections is reset when successful operation is detected and at power off/on</p>
		<ul style="list-style-type: none"> • 2nd tray lift motor disconnected/harness broken/defective • Paper tray upper limit sensor (2nd tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the paper tray upper limit sensor/reconnect the paper tray upper limit sensor connector/clean the paper tray upper limit sensor/replace the 2nd tray. • Replace the 2nd tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the 2nd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-01	B	3rd Tray Lift Error
		3rd tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • 3rd tray lift motor disconnected/harness broken/defective • Paper tray upper limit sensor (3rd tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the paper tray upper limit sensor/reconnect the paper tray upper limit sensor connector/clean the paper tray upper limit sensor/replace the 3rd tray. • Replace the 3rd tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the 3rd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-02	B	3rd Tray Lowering Error
		Tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		<ul style="list-style-type: none"> • 3rd tray lift motor disconnected/harness broken/defective • Paper tray upper limit sensor (3rd tray) disconnected/defective/smudged • Paper overloaded • Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. • Paper set incorrectly.
		<ul style="list-style-type: none"> • Load paper again. • Check the harness of the paper tray upper limit sensor/reconnect the paper tray upper limit sensor connector/clean the paper tray upper limit sensor/replace the 3rd tray. • Replace the 3rd tray lift motor/reconnect the connector/replace the harness/replace the PFB/replace the 3rd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-	B	LCIT Tray Error (Paper Tray Upper Limit Sensor Error)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		The following status was detected 5 times consecutively: The paper tray upper limit sensor did not become on before pick-up solenoid is on at the start of tray initialization.
		<ul style="list-style-type: none"> • Pick-up solenoid defective/connector disconnected • Upper limit sensor defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the pick-up solenoid. • Replace or reconnect the lift sensor. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-02	B	LCIT Tray Error (Lift Timeout)
		During Tray initialization, the tray bottom plate was lifted but the upper limit sensor did not detect it after a specified time (30 seconds).
		<ul style="list-style-type: none"> • Upper limit motor defective/connector disconnected • Upper limit sensor defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the lift motor. • Replace or reconnect the upper limit sensor. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-03	B	LCIT Tray Error (Lowering Timeout)
		<ul style="list-style-type: none"> • During Tray initialization, the tray bottom plate was lowered for position check but the upper limit sensor was still on or none of lower limit sensor and paper sensors 1 to 4 became on after a specified time (30 seconds). • When paper has run out or when the down switch was pressed, the tray bottom plate was lowered but neither the stack sensor nor the lower limit sensor became on after a specified time (30 seconds).
		<ul style="list-style-type: none"> • Lift motor defective/connector disconnected • Upper limit sensor defective/connector disconnected • Lift sensor defective/connector disconnected • Lower limit sensor defective/connector disconnected • Either of paper remaining sensors 1 to 4 defective/connector disconnected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the lift motor. • Replace or reconnect the upper limit sensor. • Replace or reconnect the lift sensor. • Replace or reconnect the lower limit sensor. • Replace or reconnect the paper remaining sensors 1 to 4. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-04	B	LCIT Tray Error (Paper Overload Error)
		During tray initialization, the upper limit sensor and the lower limit sensor were both on for 5 times consecutively.
		<ul style="list-style-type: none"> • Paper overloaded. • Pick-up solenoid defective/connector disconnected • Upper limit sensor defective/connector disconnected • Lower limit sensor defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Reduce the amount of loaded paper. • Replace or reconnect the upper limit sensor. • Replace or reconnect the lower limit sensor. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-11	B	LCIT Tray Error (Upper Limit Detection Error): D710
		At the start of tray initialization, the upper limit sensor was detected as being off for 5 times before the pick-up solenoid was on.
		<ul style="list-style-type: none"> • Pick-up solenoid defective/connector disconnected • Upper limit sensor defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the pick-up solenoid. • Replace or reconnect the upper limit sensor. • Replace the corresponding harness.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-12	B	LCIT Tray Error (Lift timeout): D710
		During Tray initialization, the tray bottom plate was lifted but the upper limit sensor did not detect it after a specified time (27 seconds).
		<ul style="list-style-type: none"> • Lift motor defective/connector disconnected • Upper limit sensor defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the lift motor. • Replace or reconnect the upper limit sensor. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-16	B	LCIT Tray Error (front blower fan error): D710
		Started LD signal check one second after LCIT front blower fan became on and detected H level (abnormal) for 700 ms consecutively.
		<ul style="list-style-type: none"> • Front blower fan defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the front blower fan. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-17	B	LCIT Tray Error (rear blower fan error): D710
		Started LD signal check one second after LCIT rear blower fan became on and detected H level (abnormal) for 700 ms consecutively.
		<ul style="list-style-type: none"> • Rear blower fan defective/connector disconnected • Related harness broken • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the rear blower fan. • Replace the corresponding harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-01	B	Bypass tray lift error
		The bottom plate started CW but the paper tray upper limit sensor did not become blocked within 3 seconds. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • Bypass tray upper limit sensor defective/disconnected/harness broken • Bypass tray bottom lift motor defective/disconnected/harness broken • Circuit board (PFB) error • Bypass tray bottom plate/bottom plate drive unit does not move e.g. because physical obstacle (broken piece of the unit, etc.) is blocking operation.
		<ul style="list-style-type: none"> • Bypass tray lift motor and bypass tray upper limit sensor check/cleaning/replacement/harness reconnection/harness replacement • Check or replace the circuit board (PFB). • Check and/or replace the bypass tray bottom plate and bypass tray bottom plate lift drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-03	B	Bypass tray lower limit error
		The bottom plate started CCW but the bypass tray lower limit sensor did not become blocked within 3 seconds. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed The count of detections is reset when successful operation is detected and at power off/on.
		<ul style="list-style-type: none"> • Bypass tray lower limit sensor defective/disconnected/harness broken • Bypass tray lift motor defective/disconnected/harness broken • Circuit board (PFB) error • Bypass tray bottom plate/bypass tray bottom plate drive unit does not move e.g. because physical obstacle (broken piece of the unit, etc.) is blocking operation.
		<ul style="list-style-type: none"> • Bypass tray lift motor and bypass tray lower limit sensor check/cleaning/replacement/harness reconnection/harness replacement • Check or replace the circuit board (PFB). • Check and/or replace the bypass tray bottom plate and bottom plate lift drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-05	B	Bypass tray size detection error
		The paper size detected on the bypass tray is different from any of the pattern of automatic

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		size detection.
		<ul style="list-style-type: none"> • Bypass paper length sensor/bypass paper width sensor malfunction • Bypass paper length sensor/bypass paper width sensor harness disconnected
		<ul style="list-style-type: none"> • Replace the bypass paper length sensor/bypass paper width sensor. • Replace the harness for bypass paper length sensor/bypass paper width sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-02	C	Exit Motor: Lock
SC520-03	C	Duplex Inverter Entrance Motor: Lock
SC520-04	C	Exit Inverter Motor: Lock
		<p>While the exit motor is ON, the motor error notification register is monitored at 500 ms intervals. When a register indicates an error five times consecutively, the exit motor is assumed to be malfunctioning.</p> <ul style="list-style-type: none"> • Exit motor defective/connector disconnected • Harness broken/PFB defective • Unit torque increased • Remained paper in the unit <ul style="list-style-type: none"> • Remove the remaining paper. • Check the output. • Check the connections of the connector. • Replace the motor. • Replace the paper exit unit. • Replace the PFB. • Replace the harness between the PFB and the exit motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-01	C	Duplex Inverter Motor: Lock
SC521-02	C	Duplex Transport Motor: Lock
SC521-03	C	Duplex Exit Motor: Lock
		<p>During the duplex inverter motor is ON, the motor error notification register is monitored at 500 ms intervals. When a register indicates an error five times consecutively, the duplex</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		inverter motor is assumed to be malfunctioning.
		<ul style="list-style-type: none"> • Duplex inverter motor defective/connector disconnected • Harness broken/PFB defective • Unit torque increased • Remained paper in the unit
		<ul style="list-style-type: none"> • Remove the remaining paper. • Check the output. • Check the connections of the connector. • Replace the the motor. • Replace the paper exit unit. • Replace the PFB. • Replace the harness between the PFB and the duplex inverter motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC522-01	C	1st Paper Feed Motor: Lock
SC522-03	C	2nd Paper Feed Motor: Lock
SC522-04	C	3rd Paper Feed Motor: Lock
		During the paper feed motor is ON, the motor error notification register is monitored at 500 ms intervals. When a register indicates an error five times consecutively, the paper feed motor is assumed to be malfunctioning.
		<ul style="list-style-type: none"> • Paper feed motor defective/connector disconnected • Harness broken/PFB defective • Unit torque increased • Remained paper in the unit
		<ul style="list-style-type: none"> • Remove the remaining paper. • Check the output. • Check the connections of the connector. • Replace the paper feed motor. • Replace the paper feed unit. • Replace the PFB. • Replace the harness between the PFB and the paper feed motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-	C	1st Transport Motor: Lock

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		
SC523-02	C	2nd Transport Motor: Lock
SC523-03	C	3rd Transport Motor: Lock
SC523-04	C	4th Transport Motor: Lock
		<p>During the transport motor is ON, the motor error notification register is monitored at 500 ms intervals. When a register indicates an error five times consecutively, the transport motor is assumed to be malfunctioning.</p> <ul style="list-style-type: none"> • Transport motor defective/connector disconnected • Harness broken/PFB defective • Unit torque increased • Remained paper in the unit <ul style="list-style-type: none"> • Remove the remaining paper. • Check the output. • Check the connections of the connector. • Replace the transport motor. • Replace the vertical transport unit. • Replace the PFB. • Replace the harness between the PFB and the transport motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC524-01	C	Relay Motor: Lock
SC524-02	C	Registration Motor: Lock
SC524-03	C	Bypass Feed Motor: Lock
		<p>During the motor is ON, the motor error notification register is monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.</p> <ul style="list-style-type: none"> • Motor defective/connector disconnected • Harness broken/PFB defective • Unit torque increased • Remained paper in the unit <ul style="list-style-type: none"> • Remove the remaining paper.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check the output. • Check the connections of the connector. • Replace the motor. • Replace the registration unit. • Replace the PFB. • Replace the harness between the PFB and the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC525-01	D	Drawer Unit Lock Motor Error
		Lock sensor signal did not change for 3000 msec while the drawer unit lock motor was running.
		<ul style="list-style-type: none"> • Drawer unit lock motor defective • Drawer unit lock sensor defective • Connector disconnected • Harness broken • Circuit board defective • Paper transfer belt release mechanism defective
		<ul style="list-style-type: none"> • Replace the defective parts. • Reconnect the connector. • Replace the harness if broken.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC525-02	D	Drawer Unit Flapper Sensor Error
		The drawer unit flapper sensor was non-blocked for 90 seconds or longer.
		<ul style="list-style-type: none"> • Drawer unit sensor defective • Parts attached incorrectly • Drawer unit flapper lever defective/drawer unit lock released mechanism defective • Drawer unit flapper cover (flapper) defective
		<ul style="list-style-type: none"> • Replace the defective parts. • Check the attachment of parts. • Check the drawer unit lock released mechanism and active parts, and replace the defective parts.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC526-01	D	Transport Motor 1 Rotation Error
SC526-	D	Transport Motor 2 Rotation Error

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
02		
		2 seconds after the transport motor startup, the motor lock error signal (LOCK signal) was detected for 1200 msec or more.
		<ul style="list-style-type: none"> • Transport motor defective • Harness broken • Circuit board defective
		<ul style="list-style-type: none"> • Replace the transport motor. • Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC527-01	D	Cooling Fan Alarm 1
SC527-02	D	Cooling Fan Alarm 2
SC527-03	D	Cooling Fan Alarm 3
SC527-04	D	Cooling Fan Alarm 4
SC527-05	D	Exhaust Fan Alarm 1
SC527-06	D	Exhaust Fan Alarm 2
SC527-07	D	Exhaust Fan Alarm 3
SC527-08	D	Exhaust Fan Alarm 4
		If lock signal is missing 10 sec (10 times) consecutively, the machine determines that the motor is not running correctly.
		<ul style="list-style-type: none"> • Fan defective • Harness broken • Connector disconnected
		<ul style="list-style-type: none"> • Replace the fan. • Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-01	D	Fusing Pressure Roller Intake Fan Lock (Pro C5200S/C5210S only)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-02	D	Fusing Pressure Roller Exhaust Fan Lock (Pro C5200S/C5210S only)
SC530-03	D	Heat Pipe Panel Intake Fan Lock
SC530-04	D	Heat Pipe Panel Exhaust Fan Lock
SC530-05	D	Fusing Exit Exhaust Fan Lock
SC530-06	D	ITB Cleaning Intake Fan Lock
SC530-07	D	IH Coil Cooling Fan Lock
SC530-08	D	Paper Transfer Belt Fusing Exhaust Fan Lock
SC530-09	D	IH Coil Power Cooling Fan Lock
		When a fan is on, the lock sensor is checked. If lock signal is missing consecutively, the machine determines that the motor is not running correctly.
		<ul style="list-style-type: none"> • Fan defective • Connector disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Replace the fan. • Reconnect the connector. • Replace the harness. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-10	D	Copy Tray Cooling Fan Lock
		When a motor is on, the lock sensor is checked. If lock signal is missing consecutively, the machine determines that the motor is not running correctly.
		<ul style="list-style-type: none"> • Fan defective • Connector disconnected • Harness broken • IOB defective • Incorrect setting in SP1-907-001
		<ul style="list-style-type: none"> • Replace the fan.

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the harness. • Replace the IOB. • Set SP1-907-001 correctly.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-11	D	Paper Transfer Belt Cooling Fan (Front) Lock
SC530-12	D	Paper Transfer Belt Cooling Fan (Rear) Lock
		<p>When a motor is on, the lock sensor is checked. If lock signal is missing consecutively, the machine determines that the motor is not running correctly.</p> <ul style="list-style-type: none"> • Fan defective • Connector disconnected • Harness broken • IOB defective <ul style="list-style-type: none"> • Replace the fan. • Reconnect the connector. • Replace the harness. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC531-01	D	Development Intake Fan/Y Lock
SC531-02	D	Development Intake Fan/M Lock
SC531-03	D	Development Intake Fan/C Lock
SC531-04	D	Development Intake Fan/K Lock
SC531-05	D	Development Exhaust Fan/Right Lock
SC531-06	D	Development Exhaust Fan/Left Lock
SC532-02	D	Controller Exhaust Fan Lock
SC532-	D	PSU Fan/Right Lock

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
03		
SC532-04	D	PSU Fan/Left Lock
SC533-01	D	Laser Unit Cooling Fan/Right Lock
SC533-02	D	Laser Unit Cooling Fan/Left Lock
SC534-01	D	Duplex Exhaust Fan/Front Lock
SC534-02	D	Duplex Exhaust Fan/Rear Lock
SC534-03	D	Duplex Exhaust Fan/Middle Lock
SC535-02	D	Drive Exhaust Fan Lock
SC536-01	D	Fusing Heat Pipe Cooling Pipe Fan Lock
SC537-01	D	Ozone Exhaust Fan Lock
SC538-01	D	ID Sensor Cleaning Fan Lock
SC538-02	D	ITB Motor Cooling Fan Lock
SC539-01	D	PTB Fan/Front Lock
SC539-02	D	PTB Fan/Rear Lock
		When a fan is on, the lock sensor is checked. If lock signal is missing consecutively, the machine determines that the motor is not running correctly.
		<ul style="list-style-type: none"> • Fan defective • Connector disconnected • Harness broken • IOB defective
		<ul style="list-style-type: none"> • Replace the fan. • Reconnect the connector. • Replace the harness. • Replace the IOB.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC583-01	D	Upper Guide Plate Open Switch Error
SC583-02	D	Horizontal Feed Guide Plate Open Sensor Error
SC583-03	D	Paper Exit Upper Guide Plate Sensor Error
SC583-04	D	Paper Exit Left Guide Plate Sensor Error
		<p>The error is detected when the sensor is OFF after 200 msec from the drawer lock completion.</p> <p>The error is not detected while the drawer set sensor is ON.</p> <ul style="list-style-type: none"> • Sensor defective • Connector disconnected • Harness broken • Circuit board (DUB) error • Sensor does not work because of the guide plate broken. <ul style="list-style-type: none"> • Check/clean/replace the sensor. • Reconnect the harness. • Replace the harness. • Check and replace the DUB. • Check and replace the guide plate actuator. <p>(SC583-05: Check and replace the guide plate D2 lever.)</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC587-00	D	<p>Y Development Temperature Detection Error</p> <p>Machine Temperature Thermistor Output Error: 0.35V or lower (100 degrees centigrade or higher) or 3.07V or higher (-30 degrees centigrade or lower).</p> <p>Details:</p> <p>In case of a Machine Temperature Thermistor Output Error: 0.35V or lower (100 degrees centigrade or higher) or 3.07V or higher (-30 degrees centigrade or lower), the machine determines the thermistor is malfunctioning and assumes that the temperature is 100 degrees centigrade.</p> <p>If the machine temperature thermistor is determined as malfunctioning 3 times consecutively (3 outputs, each of which is an average of 6 readings), the machine issues the SC and no longer use the thermistor, using the assumed temperature "100 degrees centigrade" instead.</p> <p>However, the machine temperature thermistor is used again after power off/on.</p> <ul style="list-style-type: none"> • Connector disconnected or harness broken

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"><li>• Machine temperature thermistor defective<li>• Connector disconnected or harness broken: Revert connection.<li>• Machine temperature thermistor defective: Replace the thermistor.

SC500 (Engine: Paper Transport 2: Fusing, etc.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC540-00	A	Fusing Drive Motor: Lock
		The IOB detects the fusing drive motor lock error (rotation speed out of specification). Vodka assignment: GPIO26DATA[1] Details: When the fusing drive motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the fusing drive motor is not running correctly. The machine issues an SC and stops the fusing drive motor.
		<ul style="list-style-type: none"> • Fusing drive motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the fusing drive motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC541-00	A	Sensor 1: Heating Roller Center Disconnection
		0 degrees or lower was detected for (t11) seconds consecutively. NA: t11= 30 EU/AP/CHN: t11= 20 Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		<ul style="list-style-type: none"> • Thermopile (heating roller) disconnection • Connector contact failure
		<ul style="list-style-type: none"> • Replace the thermopile (heating roller). • Reconnect the connector. • Replace the connector. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-02	A	Sensor 1: Pressure Roller Center: Reload Failure: Timeout 1
		Failed to reach (T2) degrees centigrade after (t4) seconds from the start of heater control. MP C6503 SP (NA): T2= 113, t4= 59 MP C6503 SP (EU/AP/CHN): T2= 119, t4= 59 MP C8003 SP (NA): T2= 121, t4= 59 MP C8003 SP (EU/AP/CHN): T2= 119, t4= 59 Pro C5200S/Pro C5210S: T2= 139, t4 = 59 Monitored at: Startup (Power-on, when a cover is closed, when fusing heater is under control)
		<ul style="list-style-type: none"> • Thermopile (heating roller) lens smudged • Input voltage out of specification
		<ul style="list-style-type: none"> • Replace the thermopile (heating roller). • Use with supported input voltage • Replace the IH coil unit/IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-03	A	Sensor 1: Heating Roller Center: Reload Failure: Timeout 2
		Failed to reach reload temperature after (t23) seconds from reaching (T2) degrees of SC542-02. MP C6503 SP (NA): T2= 113, t23= 50 MP C6503 SP (EU/AP/CHN): T2= 119, t23= 40 MP C8003 SP (NA): T2= 34, t23= 34 MP C8003 SP (EU/AP/CHN): T2= 119, t23= 40 Pro C5200S/Pro C5210S: T2= 139, t23 = 18 Monitored at: Startup (Power-on, when a cover is closed, when fusing heater is under control)
		<ul style="list-style-type: none"> • IH malfunctioning • Overheating prevention device worked.
		<ul style="list-style-type: none"> • Replace the thermopile (heating roller). • Use with supported input voltage • Replace the IH coil unit/IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC543-00	A	Sensor 1: Heating Roller Center: Overheat detection (software)
		250 degrees centigrade or higher was detected for 1 second consecutively.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		<ul style="list-style-type: none"> • Triac shorted. • IOB defective.
		<ul style="list-style-type: none"> • Replace the IOB. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC544-00	A	Heating Roller Center: Overheat detection (hardware)
		Hardware detection of overheat condition. The thermopile (heating roller) was detected as the cause.
		<ul style="list-style-type: none"> • IOB defective • Fusing control software running out of control • Thermopile (heating roller) defective • IH inverter supplied continuously (software error or thermopile (heating roller) malfunctioning)
		<ol style="list-style-type: none"> 1. Check the SC history (SP: 7-403-xxx), and check whether multiple SCs occurred at the same time. <ul style="list-style-type: none"> • SCs occurred at the same time: Refer to the other SCs solution procedures. • SC did not occur at the same time: Go to step 2. 2. Check the thermopile (heating roller) value (SP: 1-106-001) to check the heater temperature. <ul style="list-style-type: none"> • 250 degrees and more: Go to step 3. • Less than 250 degrees: Go to step 5. 3. Replace the IOB 4. Replace the thermopile (heating roller). 5. Replace the fusing unit. 6. Replace the IOB. 7. Replace the IH inverter.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-01	D	Zero Cross Error (Relay contact welded)
		When this error occurs, machine stops with fusing relay off and displays the SC.
		<ul style="list-style-type: none"> • Fusing relay defective (contact welded) • Fusing relay drive circuit defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the fusing relay is damaged, replace the AC control board. • Check the connection between the AC control board and the IOB, and then replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-02	D	Zero Cross Error (Relay contact defective)
		When this error occurs, the fusing heater trigger turns off and then, after a specified time, machine stops with fusing relay off and displays the SC.
		<ul style="list-style-type: none"> • Fusing relay defective (contact welded) • Fusing relay drive circuit defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the fusing relay is damaged, replace the AC control board. • Check the connection between the AC control board and the IOB, and then replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-03	D	Zero Cross Error (low frequency error)
		When this error occurs, the fusing heater trigger turns off and then, after a specified time, machine stops with fusing relay off and displays the SC.
		<ul style="list-style-type: none"> • Unstable commercial power supply frequency
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the fusing relay is damaged, replace the AC control board. • Check the connection between the AC control board and the IOB, and then replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-04	D	AC drive board: Not connected
		After the interlock door is fixed to close, AC drive board: connection detecting signal (CNCON) is not detected.
		<ul style="list-style-type: none"> • Poor connection of the AC drive board connector • Poor connection of the IOB connector • Harness broken between the AC drive board and the IOB • Poor connection detecting circuit of the AC drive board on the IOB
		<ul style="list-style-type: none"> • Turn the main power off/on. • Reconnect the harness (check the connection of CN403 on the AC drive board to CN218 on the IOB).

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the AC drive board. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-11	D	Fusing relay contact welded (resulting from zero cross 2)
		After the interlock door is fixed to close, the zero cross 2 signal is detected before turning ON the fusing relay.
		<ul style="list-style-type: none"> • Fusing relay defective (contact welded) • Fusing relay drive circuit defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • Reconnect the harness (check the connection of CN403 on the AC drive board to CN218 on the IOB). • Replace the IOB. • Replace the PSU2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-12	D	Fusing relay contact defective (resulting from zero cross 2)
		After fusing relay is ON, the zero cross 2 signal is not detected.
		<ul style="list-style-type: none"> • Fusing relay broken (contact open) • Fusing relay drive circuit defective • Harness broken between the AC drive board and the IOB • Fuse (FU102) on the AC drive board broken
		<ul style="list-style-type: none"> • Turn the main power off/on. • Reconnect the harness (check the connection of CN403 on the AC drive board to CN218 on the IOB). • Replace the AC drive board. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC548-00	A	Fusing rotation detection
		Blocking/non-blocking signal of the heating roller rotation sensor was not received within specified time.
		<ul style="list-style-type: none"> • The feeler for heating roller rotation detection deformed or broken. • Fusing drive motor defective • Heating roller rotation sensor defective • IOB defective
		<ul style="list-style-type: none"> • Check the SC history (SP7-403-xxx).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check Input (SP: 5-803-024) • Check the coupling. • Replace the feeler for heating roller rotation detection. • Replace the fusing roller rotation sensor. • Replace the IOB. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC550-01	D	<p>Fusing belt smoothing roller drive motor: Lock</p> <p>The IOB detects the fusing belt smoothing drive motor lock error (rotation speed out of specification).</p> <p>Vodka assignment: GPIO28DATA[7]</p> <p>Details:</p> <p>When the fusing belt smoothing drive motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.</p> <ul style="list-style-type: none"> • Fusing belt smoothing drive motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased. <ul style="list-style-type: none"> • Replace the fusing belt smoothing drive motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the fusing drive motor. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC551-00	A	<p>Sensor 4: Pressure Roller Center Disconnection</p> <p>0 degrees or lower was detected for (t14) seconds consecutively.</p> <p>MP C6503 SP (NA): t14= 45</p> <p>MP C6503 SP (EU/AP/CHN): t14= 35</p> <p>MP C8003 SP: t14= 35</p> <p>Pro C5200S/Pro C5210S: t14 = 80</p> <p>Number of times: 10 or more</p> <p>Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the</p>

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		heater relay is off).
		<ul style="list-style-type: none"> • Thermistor (pressure roller) disconnection • Connector contact failure
		<ul style="list-style-type: none"> • Replace the thermopile (pressure roller). • Reconnect the connector. • Replace the connector. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-02	A	<p>Sensor 4: Heating Roller Center: Reload Failure: Timeout 1</p> <p>Failed to reach (T24) degrees centigrade after (t25) seconds from the start of heater control.</p> <p>MP C6503 SP (NA): T24= 81, t25= 48</p> <p>MP C6503 SP (EU/AP/CHN): T24= 96, t25= 48</p> <p>MP C8003 SP (NA): T24= 98, t25= 48</p> <p>MP C8003 SP (EU/AP/CHN): T24= 96, t25= 48</p> <p>Pro C5200S/Pro C5210S: T24= 46, t25= 63</p> <p>Monitored at: Startup (Power-on, when a cover is closed, when fusing heater is under control)</p>
		<ul style="list-style-type: none"> • Thermistor (heating roller) deformed or floating • Input voltage out of specification
		<ul style="list-style-type: none"> • Replace the thermopile (heating roller). • Use with supported input voltage • Replace the pressure roller fusing lamp. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-03	A	<p>Sensor 4: Heating Roller Center: Reload Failure: Timeout 2</p> <p>Failed to reach reload temperature after (t26) seconds from reaching (T24) degrees of SC552-02.</p> <p>MP C6503 SP (NA): T24= 81, t26= 16</p> <p>MP C6503 SP (EU/AP/CHN): T24= 96, t26= 10</p> <p>MP C8003 SP (NA): T24= 98, t26= 10</p> <p>MP C8003 SP (EU/AP/CHN): T24= 96, t26= 10</p> <p>Pro C5200S/Pro C5210S: T24= 46, t26= 80</p> <p>Monitored at: Startup (Power-on, when a cover is closed, when fusing heater is under control)</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Pressure roller fusing lamp malfunctioning • Overheating prevention device worked.
		<ul style="list-style-type: none"> • Replace the thermopile (heating roller). • Use with supported input voltage • Replace the pressure roller fusing lamp. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC553-00	A	Sensor 4: Pressure Roller Center: Overheat detection (software)
		220 degrees centigrade or higher was detected for 1 second consecutively. Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		<ul style="list-style-type: none"> • Triac shorted. • IOB defective.
		<ul style="list-style-type: none"> • Replace the IOB. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC554-00	A	Pressure Roller Center: Overheat detection (hardware)
		Hardware detection of overheat condition. The pressure roller center thermopile was detected as the cause.
		<ul style="list-style-type: none"> • IOB defective • Fusing control software running out of control • Triac damaged (shorted). • Thermopile (pressure roller) defective
		<ol style="list-style-type: none"> 1. Check the SC history (SP: 7-403-xxx), and check whether multiple SCs occurred at the same time. <ul style="list-style-type: none"> • SCs occurred at the same time: Refer to the other SCs solution procedures. • SC did not occur at the same time: Go to step 2. 2. Check the thermostat (heating roller) value (SP: 1-106-004) to check the heater temperature. <ul style="list-style-type: none"> • 230 degrees and more: Go to step 3. • Less than 230 degrees: Go to step 5. 3. Replace the IOB 4. Replace the thermopile (heating roller).

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		5. Replace the fusing unit. 6. Replace the IOB. 7. Replace the AC drive board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC555-00	A	Heater 2: Heater Continuously On (Sensor 4: Thermopile: Pressure Roller)
		The machine wait 25 seconds after the condition ([A] and [B]) is satisfied. After the 25 seconds is passed, the machine repeat the followings. 1. Wait for 20 seconds (detection time). 2. If the temperature difference between when the machine start waiting detection time and when the detection time is passed is 6 degree or lower, SC is issued. However, If [C] is satisfied, the SC is not issued until the condition ([A] and [B]) is satisfied again. Monitor interval [A]: Standby/Low power mode Monitor start trigger[B]: When the pressure roller fusing lamp is ON and the fusing drive is stop rotating Monitor end trigger [C]: When the pressure roller fusing lamp is OFF and the fusing drive is rotating
		<ul style="list-style-type: none"> Thermopile detection error Pressure roller fusing lamp disconnection Overheating prevention device worked.
		<ul style="list-style-type: none"> Replace the thermopile (pressure roller). Replace the pressure roller fusing lamp. Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC559-00	A	Fusing jam: 3 counts
		Fusing jam (fusing paper feed sensor late jam) was detected 3 times consecutively. Details: This SC can be set ON/OFF. The factory setting is OFF; set it ON when requested by the customer. SP1-142-001: 0: ON (set by service personnel at the request of customer) 1: OFF (factory setting) Conditions of the fusing jam counter reset: <ul style="list-style-type: none"> When paper is output successfully during consecutive fusing jam, the jam counter is reset. When SP1-142-001 is changed to "0" from "1", the jam counter is reset.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> When SC559 is issued and release the SC, the jam counter is reset.
		<ul style="list-style-type: none"> Paper jam in the fusing unit Fusing paper feed sensor defective
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC560-00	D	Cleaning web unit contact error
		Contact/separation control failed 3 times consecutively.
		Monitored when contact/separation mechanism is operating.
		<ul style="list-style-type: none"> Cleaning web contact motor defective/cleaning web contact sensor defective Feeler deformed or damaged Contact/separation mechanism defective
		<ul style="list-style-type: none"> Replace the cleaning web contact motor. Replace the cleaning web contact sensor. Replace the feeler. Replace the cleaning web unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC561-00	A	Sensor 2: Heating Roller Front Disconnection
		0 degrees or lower was detected for 50 seconds consecutively.
		Number of times: 10 or more
		Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		<ul style="list-style-type: none"> Thermistor disconnection Connector contact failure
		<ul style="list-style-type: none"> Replace the thermistor. Reconnect the connector. Replace the connector. Replace the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-02	A	Sensor 2: Heating Roller Front: Reload Failure: Timeout 1
		Failed to reach 45 degrees centigrade after 80 seconds from the start of heater control.
		Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)
		<ul style="list-style-type: none"> Thermopile lens smudged

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Thermistor deformed or floating • Input voltage out of specification
		<ul style="list-style-type: none"> • Replace the thermopile. • Use with supported input voltage • Replace the IH coil unit/IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-03	A	Sensor 2: Heating Roller Front: Reload Failure: Timeout 2
		Failed to reach reload temperature after 350 seconds from the start of heater control. Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)
		<ul style="list-style-type: none"> • IH malfunctioning • Overheating prevention device worked.
		<ul style="list-style-type: none"> • Replace the thermopile. • Use with supported input voltage • Replace the IH coil unit/IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC563-00	A	Sensor 2: Heating Roller Front: Overheat detection (software)
		250 degrees centigrade or higher was detected for 1 second consecutively. Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		<ul style="list-style-type: none"> • Triac shorted. • IOB defective.
		<ul style="list-style-type: none"> • Replace the IOB. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC564-00	A	Heating Roller Front: Overheat detection (hardware)
		Hardware detection of overheat condition. The heating roller front thermistor was detected as the cause.
		<ul style="list-style-type: none"> • IOB defective • Fusing control software running out of control

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Thermistor (heating roller) defective • IH inverter supplied continuously (software error or thermistor (heating roller) malfunctioning)
		<ul style="list-style-type: none"> • After removing the cause of the SC, Set "Fusing SC Clear" in the SP mode. • If necessary, replace: IOB/thermistor (heating roller)/IH coil unit/IH inverter.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-02	D	<p>Pressure Release Error: HP failed 3 times</p> <p>Pressure release/Home position/control failed 3 times consecutively.</p> <p>Monitored when the pressure release mechanism is operating.</p> <p>Pressure Change: SP1-151-001 1:On/0: Off</p> <p>When this SP is set to OFF, SC detection is disabled.</p>
		<ul style="list-style-type: none"> • Pressure release motor, pressure roller sensor (rear) defective • Feeler deformed or damaged • Pressure release mechanism defective
		<ul style="list-style-type: none"> • Replace the pressure release motor. • Replace the pressure roller sensor (rear). • Replace the feeler. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-03	D	<p>Pressure Release Error: Overrun</p> <p>When sensor A shows Low and Sensor B shows High.</p> <p>Except when home position is detected.</p> <p>Monitored when the pressure release mechanism is operating.</p> <p>Pressure Change: SP1-151-001 1:On/0: Off</p> <p>When this SP is set to OFF, SC detection is disabled.</p>
		<ul style="list-style-type: none"> • Pressure release motor, pressure roller sensor defective • Feeler deformed or damaged • Pressure release mechanism defective
		<ul style="list-style-type: none"> • Replace the pressure release motor. • Replace the pressure roller sensor. • Replace the feeler. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-	D	Pressure Release Error: Failed to pressure

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
04		When "Sensor A: Low" is not detected within 1000 msec from the start of pressure application. Monitored when the pressure release mechanism is operating. Pressure Change: SP1-151-001 1:On/0: Off When this SP is set to OFF, SC detection is disabled.
		<ul style="list-style-type: none"> • Pressure release motor, pressure roller sensor defective • Feeler deformed or damaged • Pressure release mechanism defective
		<ul style="list-style-type: none"> • Replace the pressure release motor. • Replace the pressure roller sensor. • Replace the feeler. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC570-00	D	Fusing Belt Smoothing Roller Contact Error
		Contact/separation/control failed 3 times consecutively. Monitored when the contact/separation mechanism is operating.
		<ul style="list-style-type: none"> • Fusing belt smoothing roller contact motor defective, fusing belt smoothing roller sensor defective • Feeler deformed or damaged • Contact/separation mechanism defective
		<ul style="list-style-type: none"> • Replace the fusing belt smoothing roller contact motor. • Replace the fusing belt smoothing roller sensor. • Replace the feeler. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC579-00	A	Sensor 7: Fusing Roller Core Disconnection
		0 degrees or lower was detected for 1000 seconds consecutively. Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off). Monitored only when SP1-107-024 is set to ON. SP1-107-024: 0: OFF (default) 1: ON

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Thermistor (hot roller shaft) disconnection • Connector contact failure
		<ul style="list-style-type: none"> • Replace the thermistor (hot roller shaft). • Reconnect the connector. • Replace the connector. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC580-03	A	Sensor 7: Fusing Roller Core: Reload Failure: Timeout 2
		Failed to reach reload temperature after 2700 seconds from the start of heater control. Monitored at: Startup (Power-on, when a cover is closed, when pressure roller fusing lamp is under control)
		<ul style="list-style-type: none"> • IH malfunctioning • Overheating prevention device worked.
		<ul style="list-style-type: none"> • Replace the thermopile. • Use with supported input voltage • Replace the IH coil unit/IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC582-01	A	IGBT Overvoltage Error
		Error notification from the IH inverter with a command (command: 0x64, response value: bit 0)
		<ul style="list-style-type: none"> • Input voltage abnormal • IH inverter malfunctioning • IOB defective • Fusing unit defective
		<ul style="list-style-type: none"> • Check the SC history. • Check the connection of the connector and harness. • Check the fan. • Replace the IH inverter. • Replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC582-02	D	<ul style="list-style-type: none"> • IH Input Voltage Error
		<ul style="list-style-type: none"> • Error notification from the IH inverter with a command (command: 0x64, response value: bit 1)

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Input voltage abnormal • Harness broken • IH inverter defective • IOB defective
		<ul style="list-style-type: none"> • Check the SC history. • Check what the power voltage value was when the SC occurred. • Check the power voltage supply to the machine. • Replace the IH inverter. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC583-05	D	Fusing Guide Plate Sensor Error
		The error is detected when the guide plate sensor is OFF after 200 msec from the drawer lock completion. The error is not detected while the drawer set sensor is ON.
		<ul style="list-style-type: none"> • Fusing exit guide plate open sensor defective • Connector disconnected • Harness broken • Circuit board (DUB) error • Fusing exit guide plate open sensor does not work because of the guide plate broken.
		<ul style="list-style-type: none"> • Check/clean/replace the fusing exit guide plate open sensor. • Reconnect the harness. • Replace the harness. • Check and replace the DUB. • Check and replace the guide plate D2 lever.

SC500 (Engine: Paper Transport 3: Feed, Duplex, Transport, Fusing)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC511-01	C	Paper Type Sensor Error
		During initial calibration of the paper type sensor, the number of times the sensor failed to output an appropriate value reached 3. The counter is reset at the start of initial calibration.
		<ul style="list-style-type: none"> • Paper type sensor harness broken/connector disconnected • Paper type sensor dirty with paper dust, etc. • Foreign object on the section of the roller which is used for paper thickness detection.
		<ul style="list-style-type: none"> • Check the harness and connector of the paper type sensor. • Clean or replace the paper type sensor. • Clean or replace the section of the roller which is used for paper thickness detection.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC511-02	C	Bypass Tray Paper Type Sensor Error
		During initial calibration of the bypass tray paper type sensor, the number of times the sensor failed to output an appropriate value reached 3. The counter is reset at the start of initial calibration.
		<ul style="list-style-type: none"> • Paper type sensor harness broken/connector disconnected • Paper type sensor dirty with paper dust, etc. • Foreign object on the section of the roller which is used for paper thickness detection.
		<ul style="list-style-type: none"> • Check the harness and connector of the paper type sensor. • Clean or replace the paper type sensor. • Clean or replace the section of the roller which is used for paper thickness detection.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC514-00	D	Inverter Junction Gate Motor Error
		Inverter junction gate home position sensor did not turn on or off within 150 msec from the start of home position detection operation (motor drive start). Details: If detected for the first or second time: <ul style="list-style-type: none"> • During paper transport, this is not handled as a jam/SC; paper is fed normally and the error counter increases. • Otherwise (during initialization), a jam alert is displayed to instruct the user to remove jammed paper, and the error counter increases.
		If detected for the third time: <ul style="list-style-type: none"> • Displays the SC No. on the operation panel. • Inverter junction gate motor defective/connector disconnected/harness broken

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Inverter junction gate home position sensor defective/connector disconnected/harness broken Circuit board (PFB, DUB) defective Junction gate/junction gate drive unit does not move e.g. because physical obstacle (piece of paper, etc.) is blocking operation.
		<ul style="list-style-type: none"> Inverter junction gate motor and inverter junction gate home position sensor check/cleaning/replacement/harness reconnection/harness replacement Check or replace the circuit board (PFB, DUB). Check and/or replace the inverter junction gate and inverter junction gate drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC515-01	B	<p>Duplex Transport Shift Motor 1 Error</p> <p>When an error occurs during duplex transport shift motor 1 home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel on the third consecutive occurrence.</p> <ul style="list-style-type: none"> Duplex transport shift motor 1 connector disconnected or defective Motor driver defective Duplex transport home position sensor 1 connector disconnected or defective Duplex transport shift motor 1 does not move because of overload which may be due to foreign objects, etc. Duplex transport home position sensor 1 deformed, damaged or connected incorrectly <ol style="list-style-type: none"> Turn the machine OFF\ON to see the SC. After turning the machine OFF\ON, feed 10 sheets of the duplex paper three times. Check whether SC515-01 occurs (JAM097 occurs up to two times). Check the driven parts. <ul style="list-style-type: none"> Rotate the duplex transport shift motor 1 by hand and check the load. If the load is too high due to foreign objects or jams, remove the foreign object or replace the part. Check and reconnect the connector and harness. <ul style="list-style-type: none"> Duplex transport shift motor 1 connector DUB board CN296 and CN303 Duplex transport home position sensor 1 connector Clean the duplex transport home position sensor. Execute Input check and Output check. <ul style="list-style-type: none"> Rotate the duplex transport shift motor 1 by hand and check whether the value of SP5-803-164 (Input check roller home detection sensor 1) changes to 0 or 1. If the value does not change, replace the duplex transport home position sensor. Reinstall the drawer, and execute SP5-806-195 (Output check duplex transport

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>shift motor 1: homing) to check if the duplex transport shift motor 1 moves.</p> <ul style="list-style-type: none"> If the duplex transport motor 1 does not move, replace the following motor and harness. <p>Duplex transport shift motor 1 Duplex transport shift motor 1 connector</p> <p>6. Replace the DUB and PFB.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC515-02	B	<p>Duplex Transport Shift Motor 2 Error</p> <p>When an error occurs during duplex transport shift motor 2 home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel on the third consecutive occurrence.</p> <ul style="list-style-type: none"> Duplex transport shift motor 2 connector disconnected or defective Motor driver defective Duplex transport home position sensor 2 connector disconnected or defective Duplex transport shift motor 2 does not move because of overload which may be due to foreign objects, etc. Duplex transport home position sensor 2 deformed, damaged or connected incorrectly <ol style="list-style-type: none"> Turn the machine OFF\ON to see the SC. After turning the machine OFF/ON, feed 10 sheets of the duplex paper three times. Check whether SC515-02 occurs (JAM097 occurs up to two times). Check the driven parts. <ul style="list-style-type: none"> Rotate the duplex transport shift motor 2 by hand and check the load. If the load is too high due to foreign objects or jams, remove the foreign object or replace the part. Check and reconnect the connector and harness. <ul style="list-style-type: none"> Duplex transport shift motor 2 connector DUB board CN296 and CN303 Duplex transport home position sensor 2 connector Clean the duplex transport home position sensor. Execute Input check and Output check. <ul style="list-style-type: none"> Rotate the duplex transport shift motor 2 by hand and check whether the value of SP5-803-165 (Input check roller home detection sensor 2) changes to 0 or 1. If the value does not change, replace the duplex transport home position sensor. Reinstall the drawer, and execute SP5-806-200 (Output check duplex transport shift motor 2: homing) to check if the duplex transport shift motor 2 moves. If the duplex transport shift motor 2 does not move, replace the following motor and harness.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Duplex transport shift motor 2</p> <p>Duplex transport shift motor 2 connector</p> <p>6. Replace the DUB and PFB.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC516-01	B	<p>Edge Detection Sensor Shift Motor Home Position Error</p> <p>When an error occurs during edge detection sensor shift motor home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel.</p> <ul style="list-style-type: none"> • Edge detection sensor shift motor connector disconnected or defective • Motor driver defective • Sensor shift home position switch connector disconnected or defective • Edge detection sensor shift motor does not move because of overload which may be due to foreign objects, etc. • Sensor shift home position switch deformed, damaged or connected incorrectly <ol style="list-style-type: none"> 1. Turn the machine OFF\ON to see the SC. After turning the machine OFF/ON, feed 10 sheets of the duplex paper to see the SC. 2. Check the driven parts. <ul style="list-style-type: none"> • Open the lower guide plate, and check the load by moving the edge detection sensor bracket. • If the load is too high due to foreign objects or jams, remove the foreign object or replace the part. 3. Check and reconnect the connector and harness. <ul style="list-style-type: none"> • Edge detection sensor shift motor connector • DUB board CN296 and CN303 • Sensor shift home position switch connector 4. Clean the sensor shift home position switch. 5. Execute Input check and Output check. <ul style="list-style-type: none"> • Open the guide plate and move the edge detection sensor bracket by hand, and check whether the value of SP5-803-166 (Input check sensor shift home position sensor) changes to 0 or 1. If the value does not change, replace the sensor shift home position switch. • Reinstall the drawer, and execute SP5-806-204 (sensor shift motor: low speed) to check if the edge detection sensor shift motor moves. • If the edge detection sensor shift motor does not move, replace the following motor and harness. Edge detection sensor shift motor Edge detection sensor shift motor connector

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		6. Replace the DUB and PFB.

SC500 (Engine: Others)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC581-00	D	Secondary Power Cord Not Connected
		The main power cord is connected but the secondary power cord is not connected.
		The secondary power cord is not connected.
		<ul style="list-style-type: none"> • Turn the machine off and plug in the secondary power cord again. • Replace the harness. • Replace the AC drive board/IOB.

SC600 (Engine: Communication and Others)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC620-01	D	ADF Communication Error
SC620-02	D	ADF Communication Error
		<p>Communication error between the main machine and ADF connected with ASAP.</p> <p>SC620-01: A BREAK was detected after a successful connection.</p> <p>SC620-02: Communication timeout after a successful connection.</p> <p>Details:</p> <ul style="list-style-type: none"> • SC is issued when an error is detected after ADF connection was recognized at power-on. • There will be no response either, if the ADF was not connected at power-on. In this case, however, SC is not issued and functions that do not use the ADF (copying from the exposure glass) are available. • SC620-02: SC is issued when a non-compliant ADF is connected (ADF model code is different from the specification).
		<ul style="list-style-type: none"> • ADF connection fault • ADF defective • BICU defective • Electrical noise on the line • SC620-02: Connection of a non-compliant ADF (ADF model code is different from the specification.)
		<ul style="list-style-type: none"> • Check ADF cable connection. • Replace the ADF. • Replace the BICU. • SC620-02: Replace the ADF to the correct model.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC620-03	D	ADF Communication Error
		<p>The CIS initialization completion command is not received after waiting for the prescribed time.</p>
		<ul style="list-style-type: none"> • ADF connection fault • ADF defective • BICU defective • Electrical noise on the line
		<ul style="list-style-type: none"> • Check ADF cable connection.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the ADF. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC621-00	D	Finisher/mail box communication error
		Detected an error when connecting the communication line. Received a communication error notification from the URAT.
		<ul style="list-style-type: none"> • Finisher control board defective. • BICU or IOB defective • Connection fault between finisher and main machine.
		<ul style="list-style-type: none"> • Reconnect the Finisher/mail box interface cable. • Replace the BICU or replace the finisher/mail box • Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC622-00	D	Paper bank communication error.
		Communication error between main machine and paper bank/LCIT.
		<ul style="list-style-type: none"> • Paper bank control board defective. • BICU or IOB defective • Paper bank-main machine connection fault.
		<ul style="list-style-type: none"> • Reconnect the paper bank connection cable. /Replace the BICU./Replace the paper bank. • Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC625-00	D	TDCU communication error.
		ASAP communication protocol error
		<ul style="list-style-type: none"> • A BREAK signal was detected at power-on. • Non-response (100 ms) was detected 3 times consecutively during normal operation. • NAK was received 3 times before ACK was received during normal operation. • A BREAK signal was detected during normal operation.
		<ul style="list-style-type: none"> • IOB defective
		<ul style="list-style-type: none"> • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-01	D	DUB communication error at power-on
SC626-02	D	DUB communication error during normal operation

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-03	D	DUB BREAK detection during normal operation
		<p>ASAP communication protocol error</p> <ul style="list-style-type: none"> • A BREAK signal was detected at power-on. • Non-response (100 ms) was detected 3 times consecutively during normal operation. • NAK was received 3 times before ACK was received during normal operation. • A BREAK signal was detected during normal operation.
		<ul style="list-style-type: none"> • DUB defective • PFB defective • Harness between DUB and PFB broken • Connector between DUB and PFB disconnected • Unintended electrical noise
		<ul style="list-style-type: none"> • Replace the DUB. • Replace the PFB. • Replace the harness between DUB and PFB. • Replace the connector between DUB and PFB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-04	D	TSB communication error at power-on
SC626-05	D	TSB communication error during normal operation
SC626-06	D	TSB BREAK detection during normal operation
		<p>ASAP communication protocol error</p> <ul style="list-style-type: none"> • A BREAK signal was detected at power-on. • Non-response (100 ms) was detected 3 times consecutively during normal operation. • NAK was received 3 times before ACK was received during normal operation. • A BREAK signal was detected during normal operation.
		<ul style="list-style-type: none"> • TSB defective • IOB defective • Harness between TSB and IOB broken • Connector between TSB and IOB disconnected • Unintended electrical noise
		<ul style="list-style-type: none"> • Replace the TSB. • Replace the IOB. • Replace the harness between TSB and IOB. • Replace the connector between TSB and IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC645-	C	Tonner Supply: ID Chip Communication Error (K)

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		
SC645-02	C	Tonner Supply: ID Chip Communication Error (M)
SC645-03	C	Tonner Supply: ID Chip Communication Error (C)
SC645-04	C	Tonner Supply: ID Chip Communication Error (Y)
		<p>Errors defined in I2C communication.</p> <p>Details:</p> <ul style="list-style-type: none"> • SC is issued when the I2C communication cannot be done between the BICU and ID chip. • SC is issued when opening the bus, closing the bus, reading the bus, and writing the bus.
		<ul style="list-style-type: none"> • Toner supply unit set error • ID chip defective • Harness broken • BICU damaged • IOB damaged • TSB damaged • TCB damaged • Unintended noise
		<ul style="list-style-type: none"> • Set the toner supply unit again. • Replace the ID chip. • Fix the harness. • Replace the BICU. • Replace the IOB. • Replace the TSB. • Replace the ID chip connector board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-01	D	VODKA SRAM program expansion error
SC664-02	D	
SC664-03	D	
		<p>VODKA1</p> <p>SC664-01: VODKA SRAM access permission error (Write permission denied)</p> <p>SC664-02: VODKA SRAM write error (write result abnormal)</p> <p>SC664-03: VODKA program startup error</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Electric noises and hardware defect
		<ul style="list-style-type: none"> • IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-11	D	VODKA SRAM program expansion error
SC664-12	D	
SC664-13	D	
		<p>VODKA2</p> <p>SC664-11: VODKA SRAM access permission error (Write permission denied)</p> <p>SC664-12: VODKA SRAM write error (write result abnormal)</p> <p>SC664-13: VODKA program startup error</p>
		<ul style="list-style-type: none"> • Electric noises and hardware defect
		<ul style="list-style-type: none"> • IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-21	D	VODKA SRAM program expansion error
SC664-22	D	
SC664-23	D	
		<p>VODKA3</p> <p>SC664-21: VODKA SRAM access permission error (Write permission denied)</p> <p>SC664-22: VODKA SRAM write error (write result abnormal)</p> <p>SC664-23: VODKA program startup error</p>
		<ul style="list-style-type: none"> • Electric noises and hardware defect
		<ul style="list-style-type: none"> • IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-31	D	VODKA SRAM program expansion error
SC664-32	D	
SC664-33	D	
		<p>VODKA4</p> <p>SC664-31: VODKA SRAM access permission error (Write permission denied)</p> <p>SC664-32: VODKA SRAM write error (write result abnormal)</p> <p>SC664-33: VODKA program startup error</p>
		<ul style="list-style-type: none"> • Electric noises and hardware defect
		<ul style="list-style-type: none"> • IOB replacement, harness check

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-41	D	VODKA SRAM program expansion error
SC664-42	D	
SC664-43	D	
		<p>VODKA5</p> <p>SC664-41: VODKA SRAM access permission error (Write permission denied)</p> <p>SC664-42: VODKA SRAM write error (write result abnormal)</p> <p>SC664-33: VODKA program startup error</p> <ul style="list-style-type: none"> • Electric noises and hardware defect • IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-02	D	<p>FFC set detection (Error between BICU and IOB)</p> <p>The HORUS port on the BICU is used for FFC connection detection to detect FFC (harness) disconnection and loose connection between BICU and IOB. By checking the voltage level of the AD terminal, the connection status can be checked.</p> <p>Details:</p> <ul style="list-style-type: none"> • When the harness between BICU and IOB becomes disconnected, the number of parallelly connected resistors changes and therefore the voltage input to the AD terminal changes. • FFC harness between BICU and IOB broken • FFC harness between BICU and IOB not connected fully • BICU damaged • IOB damaged • Replace the FFC harness between BICU and IOB. • Reconnect the FFC harness between BICU and IOB. • Replace the BICU. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-03	D	<p>FFC set detection (Error between IOB and PFB)</p> <p>The HORUS port on the BICU is used for FFC connection detection to detect FFC (harness) disconnection and loose connection between IOB and PFB. By checking the voltage level of the AD terminal, the connection status can be checked.</p> <p>Details:</p> <ul style="list-style-type: none"> • When the harness between IOB and PFB becomes disconnected, the number of parallelly connected resistors changes and therefore the voltage input to the AD terminal changes.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • FFC harness between IOB and PFB broken • FFC harness between IOB and PFB not connected fully • BICU damaged • IOB damaged • PFB damaged
		<ul style="list-style-type: none"> • Replace the FFC harness between IOB and PFB. • Reconnect the FFC harness between IOB and PFB. • Replace the BICU. • Replace the IOB. • Replace the PFB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-04	D	IOB does not start
		<p>The IOB_WAKE signal of the IOB and the PFB is not "WAKE". (Occurs when either 2 Vodkas in the IOB or 3 Vodkas in the PFB are in the reset status. Details:</p> <ul style="list-style-type: none"> • Detected when IOB_WAKE signal from the 2 Vodkas on the IOB (PIB function, FSB function) and 3 Vodkas on the FSB stay in the WAKE status. • IOB_WAKE signal is output from 5 Vodkas as explained above and if at least one of them is "WAKE", IOB_WAKE is not canceled.
		<ul style="list-style-type: none"> • IOB damaged • PFB damaged • BICU defective • Harness between BICU and IOB: Ground fault • Harness between IOB and PFB: Ground fault • PSU5V not output
		<ul style="list-style-type: none"> • Replace the harness between IOB and PFB. • Replace the harness between BICU and IOB. • Replace the IOB. • Replace the PFB. • Replace the BICU board. • Replace the PSU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669		EEPROM Communication Error
SC669-01	D	EEPROM OPEN: ID error

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-02	D	EEPROM OPEN: Channel error
SC669-03	D	EEPROM OPEN: Device error
SC669-04	D	EEPROM OPEN: Communication abort error
SC669-05	D	EEPROM OPEN: Communication timeout error
SC669-06	D	EEPROM OPEN: Operation stopped error
SC669-07	D	EEPROM OPEN: Buffer full
SC669-08	D	EEPROM OPEN: No error code
SC669-09	D	EEPROM CLOSE: ID error
SC669-10	D	EEPROM CLOSE: No error code
SC669-11	D	EEPROM Data write: ID error
SC669-12	D	EEPROM Data write: Channel error
SC669-13	D	EEPROM Data write: Device error
SC669-14	D	EEPROM Data write: Communication abort error
SC669-15	D	EEPROM Data write: Communication timeout error
SC669-16	D	EEPROM Data write: Operation stopped error
SC669-17	D	EEPROM Data write: Buffer full
SC669-18	D	EEPROM Data write: No error code
SC669-19	D	EEPROM Data read: ID error
SC669-	D	EEPROM Data read: Channel error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
20		
SC669-21	D	EEPROM Data read: Device error
SC669-22	D	EEPROM Data read: Communication abort error
SC669-23	D	EEPROM Data read: Communication timeout error
SC669-24	D	EEPROM Data read: Operation stopped error
SC669-25	D	EEPROM Data read: Buffer full
SC669-26	D	EEPROM Data read: No error code
SC669-27	D	EEPROM Device detection: ID error
SC669-28	D	EEPROM Device detection: Channel error
SC669-29	D	EEPROM Device detection: Device error
SC669-30	D	EEPROM Device detection: Communication abort error
SC669-31	D	EEPROM Device detection: Communication timeout error
SC669-32	D	EEPROM Device detection: Operation stopped error
SC669-33	D	EEPROM Device detection: Buffer full
SC669-34	D	EEPROM Device detection: No error code
SC669-36	D	SRAM expansion verify error
SC669-37	D	Malfunction detection error
		Received an error notification during EEPROM communication and does not resume after 3 retries.
		<ul style="list-style-type: none"> • Electrical noise • EEPROM not connected fully

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • EEPROM not installed • EEPROM damaged • BICU damaged
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Reconnect the EEPROM. • Replace the EEPROM. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC681		Toner Cartridge: ID Chip Communication Error
SC681-01	D	Toner Supply: ID Chip Communication Error (K_Invalid Device ID)
SC681-02	D	Toner Supply: ID Chip Communication Error (M_Invalid Device ID)
SC681-03	D	Toner Supply: ID Chip Communication Error (C_Invalid Device ID)
SC681-04	D	Toner Supply: ID Chip Communication Error (Y_Invalid Device ID)
SC681-05	D	Toner Supply: ID Chip Communication Error (K_Channel error (e.g. bus disconnection))
SC681-06	D	Toner Supply: ID Chip Communication Error (M_Channel error (e.g. bus disconnection))
SC681-07	D	Toner Supply: ID Chip Communication Error (C_Channel error (e.g. bus disconnection))
SC681-08	D	Toner Supply: ID Chip Communication Error (Y_Channel error (e.g. bus disconnection))
SC681-09	D	Toner Supply: ID Chip Communication Error (K_Device Error (No ID chip))
SC681-11	D	Toner Supply: ID Chip Communication Error (M_Device Error (No ID chip))
SC681-12	D	Toner Supply: ID Chip Communication Error (C_Device Error (No ID chip))
SC681-13	D	Toner Supply: ID Chip Communication Error (Y_Device Error (No ID chip))
SC681-14	D	Toner Supply: ID Chip Communication Error (K_Communication aborted (error during communication))
SC681-	D	Toner Supply: ID Chip Communication Error (M_Communication aborted (error during

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
16		communication))
SC681-17	D	Toner Supply: ID Chip Communication Error (C_Communication aborted (error during communication))
SC681-18	D	Toner Supply: ID Chip Communication Error (Y_Communication aborted (error during communication))
SC681-19	D	Toner Supply: ID Chip Communication Error (K_Communication timeout)
SC681-21	D	Toner Supply: ID Chip Communication Error (M_Communication timeout)
SC681-22	D	Toner Supply: ID Chip Communication Error (C_Communication timeout)
SC681-23	D	Toner Supply: ID Chip Communication Error (Y_Communication timeout)
SC681-24	D	Toner Supply: ID Chip Communication Error (K_Device stopped (logically stopped))
SC681-26	D	Toner Supply: ID Chip Communication Error (M_Device stopped (logically stopped))
SC681-27	D	Toner Supply: ID Chip Communication Error (C_Device stopped (logically stopped))
SC681-28	D	Toner Supply: ID Chip Communication Error (Y_Device stopped (logically stopped))
SC681-29	D	Toner Supply: ID Chip Communication Error (K_Requested buffer full)
SC681-31	D	Toner Supply: ID Chip Communication Error (M_Requested buffer full)
SC681-32	D	Toner Supply: ID Chip Communication Error (C_Requested buffer full)
SC681-33	D	Toner Supply: ID Chip Communication Error (Y_Requested buffer full)
SC681-34	D	Toner Supply: ID Chip Communication Error (K_Verify error)
SC681-35	D	Toner Supply: ID Chip Communication Error (M_Verify error)
SC681-36	D	Toner Supply: ID Chip Communication Error (C_Verify error)
SC681-37	D	Toner Supply: ID Chip Communication Error (Y_Verify error)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC681-38	D	Toner Supply: ID Chip Communication Error (K_Invalid Device ID)
SC681-39	D	Toner Supply: ID Chip Communication Error (M_Invalid Device ID)
		<p>Errors defined in I2C communication</p> <ul style="list-style-type: none"> • When abnormality occurs at cable connection • When error notification was received during communication with the tag and operation is not resumed after 3 retries.
		<p>There was an error during (wired) communication with the ID chip on the toner bottle.</p> <p>SC681-01 to 04: Device ID data corrupted.</p> <p>SC681-06 to 09: Contact fault (e.g. Bus disconnection)</p> <p>SC681-11 to 14: No ID chip</p> <p>SC681-16 to 19/21 to 24/26 to 39: Noise</p> <p>SC681-31 to 34/36 to 39: Software problem</p> <ul style="list-style-type: none"> • Toner supply unit set error • ID chip defective • Harness broken • BICU damaged • IOB damaged • TSB damaged • TCB damaged • Unintended noise
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Set the toner supply unit again. • Replace the ID chip. • Fix the harness. • Replace the BICU. • Replace the IOB. • Replace the TSB. • Replace the TCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682		PCU: ID Chip Communication Error
SC682-01	D	PCU: ID Chip Communication Error(K_Invalid Device ID)
SC682-02	D	PCU: ID Chip Communication Error(M_Invalid Device ID)
SC682-	D	PCU: ID Chip Communication Error(C_Invalid Device ID)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
03		
SC682-04	D	PCU: ID Chip Communication Error(Y_Invalid Device ID)
SC682-05	D	PCU: ID Chip Communication Error(K_Channel error (e.g. bus disconnection))
SC682-06	D	PCU: ID Chip Communication Error(M_Channel error (e.g. bus disconnection))
SC682-07	D	PCU: ID Chip Communication Error(C_Channel error (e.g. bus disconnection))
SC682-08	D	PCU: ID Chip Communication Error(Y_Channel error (e.g. bus disconnection))
SC682-09	D	PCU: ID Chip Communication Error(K_Device Error (No ID chip))
SC682-11	D	PCU: ID Chip Communication Error(M_Device Error (No ID chip))
SC682-12	D	PCU: ID Chip Communication Error(C_Device Error (No ID chip))
SC682-13	D	PCU: ID Chip Communication Error(Y_Device Error (No ID chip))
SC682-14	D	PCU: ID Chip Communication Error(K_Communication aborted (error during communication))
SC682-16	D	PCU: ID Chip Communication Error(M_Communication aborted (error during communication))
SC682-17	D	PCU: ID Chip Communication Error(C_Communication aborted (error during communication))
SC682-18	D	PCU: ID Chip Communication Error(Y_Communication aborted (error during communication))
SC682-19	D	PCU: ID Chip Communication Error(K_Communication timeout)
SC682-21	D	PCU: ID Chip Communication Error(M_Communication timeout)
SC682-22	D	PCU: ID Chip Communication Error(C_Communication timeout)
SC682-23	D	PCU: ID Chip Communication Error(Y_Communication timeout)
SC682-24	D	PCU: ID Chip Communication Error(K_Device stopped (logically stopped))

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682-26	D	PCU: ID Chip Communication Error(M_Device stopped (logically stopped))
SC682-27	D	PCU: ID Chip Communication Error(C_Device stopped (logically stopped))
SC682-28	D	PCU: ID Chip Communication Error(Y_Device stopped (logically stopped))
SC682-29	D	PCU: ID Chip Communication Error(K_Requested buffer full)
SC682-31	D	PCU: ID Chip Communication Error(M_Requested buffer full)
SC682-32	D	PCU: ID Chip Communication Error(C_Requested buffer full)
SC682-33	D	PCU: ID Chip Communication Error(Y_Requested buffer full)
SC682-34	D	PCU: ID Chip Communication Error(K_No error code)
SC682-35	D	PCU: ID Chip Communication Error(M_No error code)
SC682-36	D	PCU: ID Chip Communication Error(C_No error code)
SC682-37	D	PCU: ID Chip Communication Error(Y_No error code)
SC682-38	D	PCU: ID Chip Communication Error(K_Invalid Device ID)
SC682-39	D	PCU: ID Chip Communication Error(M_Invalid Device ID)
		<p>Errors defined in I2C communication</p> <ul style="list-style-type: none"> • When abnormality occurs at cable connection • When error notification was received during communication with the tag and operation is not resumed after 3 retries. <p>There was an error during (wired) communication with the ID chip on the toner bottle.</p> <ul style="list-style-type: none"> • PCU set error • TD sensor defective • Harness broken • BICU damaged • IOB damaged • Unintended noise

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Set the PCU again. • Replace the TD sensor. • Fix the harness. • Replace the BICU. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC687-00	D	PER Not Received Error
		<ul style="list-style-type: none"> • Unable to receive the PER command of the I/F commands from the controller. • Unable to prepare the image data with the controller.
		<ul style="list-style-type: none"> • Communication error • Inside of the controller defective
		<ul style="list-style-type: none"> • Cycle the machine off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC689-00	D	IH Inverter Communication Error
		IH inverter not responding to request
		IH inverter communication error (ASAP IV compliant)
		IH inverter response information unavailable
		<ul style="list-style-type: none"> • Harness broken • IH inverter defective • IOB defective
		<ul style="list-style-type: none"> • Remove the cause of the SC and then turn off/on the power or main power. • Replace the harness/IH inverter/IOB as required.

SC600 (Controller)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC632-00	D	Counter device error 1
		After 3 attempts to send a data frame to the optional counter device via the serial communication line, no ACK signal was received within 100 ms.
		Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged.
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the serial communication line.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC633-00	D	Counter device error 2
		After communication was established, the controller received the brake signal from the accounting device.
		Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged.
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the serial communication line.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC634-00	D	Counter device error 3
		A backup RAM error was returned by the counter device.
		Counter device control board or the backup battery of counter device defective
		<ul style="list-style-type: none"> • Replace the counter device control board. • Replace the backup battery.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC635-00	D	Counter device error 4
		A backup battery error was returned by the counter device.
		Counter device control board or the backup battery of counter device defective
		<ul style="list-style-type: none"> • Replace the counter device control board. • Replace the backup battery.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-01	D	IC Card Error (Expanded authentication module error)
		<p>Issued when expanded authentication management is set to "ON" but either of the following occur.</p> <ul style="list-style-type: none"> • There is no expanded authentication module in the machine.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> The SD card or the file of the expanded authentication module is broken. There is no DESS module in the machine.
		<ul style="list-style-type: none"> There is no DESS module in the machine (models on which the function is optional). There is no expanded authentication module in the machine. The SD card or the file of the expanded authentication module is broken.
		<ul style="list-style-type: none"> Set a working SD card/expanded authentication module file. Install the DESS module. In the SSP mode set SP5-401-160 to 0. In the SSP mode, set SP5-401-161 to 0. Replace the NVRAM.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-02	D	IC Card Error (Version error)
		The version of the expanded authentication module is not correct.
		Incorrect module version
		Install the correct file of the expanded authentication module.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC637-01	D	Tracking Information Notification Error (Tracking application error)
		Tracking information was lost.
		<ul style="list-style-type: none"> Tracking SDK application error Internal notification error
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC637-02	D	Tracking Information Notification Error (Management server error)
		Tracking information was lost.
		Communication with tracking management server failed.
		<ul style="list-style-type: none"> Network error Tracking management server error Tracking SDK application error
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC641-00	D	Communication error between BICU and Controller board.
		Controller board does not respond after BICU tries to communicate three times.
		<ul style="list-style-type: none"> Controller board software error

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connect error between BICU and Controller board • Engine board software error
		<ul style="list-style-type: none"> • Check connections between Controller board and BICU. • Turn the main switch off and on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-01	C	Remote Service Modem Communication Error (Dialup authentication failure)
		<ul style="list-style-type: none"> • An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. • Displayed only when an error is detected while RC Gate is operating. • SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Dialup authentication failure
		Check the following SPs. <ul style="list-style-type: none"> • SP5-816-156 • SP5-816-157

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-04	C	Remote Service Modem Communication Error (dialup failing because of incorrect modem configuration)
		<ul style="list-style-type: none"> • An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. • Displayed only when an error is detected while RC Gate is operating. • SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Dialup failing because of incorrect modem configuration
		Check if the setting of SP5-816-160 is correct. If it is correct, then there is a software bug.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-05	C	Remote Service Modem Communication Error (insufficient current or connection fault)
		<ul style="list-style-type: none"> • An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. • Displayed only when an error is detected while RC Gate is operating.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Insufficient current or connection fault
		The line is not supported and nothing can be done.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-13	C	Remote Service Modem Communication Error (RC Gate Type M was installed but modem is not present (detected during operation))
		<ul style="list-style-type: none"> An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. Displayed only when an error is detected while RC Gate is operating. SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		RC Gate Type M was installed but modem is not present (detected during operation)
		<ul style="list-style-type: none"> If a modem board is not installed, install it. Check again if the modem driver configurations (SP5-816-160, SP5-816-165 to 171) are correct. If the problem is not solved, replace the modem.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-14	C	Remote Service Modem Communication Error (RC Gate Type N was installed but modem is present or wired/wireless LAN is not working correctly)
		<ul style="list-style-type: none"> An error related to communication (dialup connection, modem board etc.) using the RC Gate was detected or an error that prevents RC Gate operation was detected at power on. Displayed only when an error is detected while RC Gate is operating. SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		RC Gate Type N was installed but modem is present or wired/wireless LAN is not working correctly
		<ul style="list-style-type: none"> If a modem board is attached, remove it. Check if wired/wireless LAN works.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC651-01	C	Illegal Remote Service Dial-up (Chat program parameter error)
		An unexpected error occurred when RC Gate Type M dialed up the NRS Center.

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Software bug
		Logging only.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC651-02	C	Illegal Remote Service Dial-up (Chat program execution error)
		An unexpected error occurred when RC Gate dialed up the NRS Center.
		Software bug
		Logging only.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC652-00	A	Remote service ID2 mismatching
		There was an authentication mismatch between ID2 for @Remote, the controller board, and NVRAM.
		<ul style="list-style-type: none"> Used controller board installed Used NVRAM installed (such action is not allowed.)
		<ul style="list-style-type: none"> If this occurs during RC Gate installation: Check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again. If this occurs after RC Gate installation: Clear the RC Gate install status, check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC653-00	A	Incorrect remote service ID2
		ID2 stored in the NVRAM has either of the following problems. <ul style="list-style-type: none"> Number of characters is not 17. Includes a character that cannot be printed. All spaces NULL
		Replace the NVRAM.
		Clear the RC Gate install status, write the common certificate, and then begin installation again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-01	D	Engine start up error when the machine boots up
		<ul style="list-style-type: none"> /ENGRDY signal was not asserted when the machine was turned on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • PCI I/F is not linked up when the machine returns from energy saver mode. • /IPURDY signal was not asserted when the machine was turned on or returned from energy saver mode. • EC/PC/SC response was not received within specified time from power on. • Writing to Rapi driver failed (the other party not found through PCI). • Connection defect between controller board and BICU. • BICU is down / unstable
		<ul style="list-style-type: none"> • BICU defective • PSU defective • Controller board defective
		<ul style="list-style-type: none"> • Replace the BICU. • Replace the PSU. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-02	D	Engine start up error when the machine is in operation
		<ul style="list-style-type: none"> • CPU reset by software • CPU reset by anomaly CPU • CPU reset by hardware defect / noise • Hardware defect
		Engine board reset unexpectedly.
		<ul style="list-style-type: none"> • Ask the customer to demonstrate the procedure that was used when the SC occurred. Try the same steps 10 times to check if the SC occurs more than one time. • Software bug. Update the firmware. • Check the connection of the engine board and the controller board. • Replace the BICU. • Replace the PSU. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-03	D	BICU start up error when the machine boots up
		VDET_EPCI signal was not asserted when the machine was turned on.
		<ul style="list-style-type: none"> • BICU, PSU, and/or controller board defective • Incorrect connection between controller board and BICU • Harness of BICU disconnected
		<ul style="list-style-type: none"> • Turn the main power off/on 10 times, and check if the SC occurs more than one time.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check the connection of the engine board and the controller board. • Disconnect/connect the harness between the engine board and the controller board. • Replace the BICU. • Replace the PSU. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-04	D	Communication error between the engine and controller
		Communication could not linked up.
		<ul style="list-style-type: none"> • BICU and/or controller board defective • Incorrect connection between controller board and BICU
		<ul style="list-style-type: none"> • Turn the main power off/on 10 times, and check if the SC occurs more than one time. • Check the connection of the engine board and the controller board. • Disconnect/connect the harness between the engine board and the controller board. • Replace the BICU. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-00	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established, or communication with controller was interrupted after a normal startup.
		<ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the operation panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-01	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the operation panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-02	D	Controller start up error
		Communication between the controller and the operation panel was interrupted after a normal startup.
		<ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the operation panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-03	D	Controller start up error
		For a reason except SC672-00 to 02 mentioned above, the controller down is detected on the operation panel.
		<ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the controller board.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the controller board. • Check the operation panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-10	D	Controller start up error
		<p>After the machine was powered on, communication between the controller and the operation panel was not established.</p> <ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late <ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the operation panel and the BICU. • Check the connection of the controller board. <p>When LED8 (red) on the controller board does not flicker:</p> <ul style="list-style-type: none"> • Check the connection of the memory (DIMM) on the controller board. • Replace the memory (DIMM). • Replace the controller board. <p>When LED8 (red) on the controller board flickers:</p> <ul style="list-style-type: none"> • Replace the harness between the operation panel and the BICU. • Replace the operation panel. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-11	D	Controller start up error
		<p>After the machine was powered on, communication between the controller and the operation panel was not established, or communication with controller was interrupted after a normal startup.</p> <ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late <ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the operation panel and the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check the connection of the controller board. <p>When LED8 (red) on the controller board does not flicker:</p> <ul style="list-style-type: none"> • Check the connection of the memory (DIMM) on the controller board. • Replace the memory (DIMM). • Replace the controller board. <p>When LED8 (red) on the controller board flickers:</p> <ul style="list-style-type: none"> • Replace the harness between the operation panel and the BICU. • Replace the operation panel. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-12	D	<p>Controller start up error</p> <p>Communication with controller was interrupted after a normal startup.</p> <ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late <ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the operation panel and the BICU. • Check the connection of the controller board. <p>When LED8 (red) on the controller board does not flicker:</p> <ul style="list-style-type: none"> • Check the connection of the memory (DIMM) on the controller board. • Replace the memory (DIMM). • Replace the controller board. <p>When LED8 (red) on the controller board flickers:</p> <ul style="list-style-type: none"> • Replace the harness between the operation panel and the BICU. • Replace the operation panel. • Replace the BICU

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-13	D	<p>Controller start up error</p> <p>The operation panel detected that the controller is down.</p> <ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the operation panel and the BICU. • Check the connection of the controller board. <p>When LED8 (red) on the controller board does not flicker:</p> <ul style="list-style-type: none"> • Check the connection of the memory (DIMM) on the controller board. • Replace the memory (DIMM). • Replace the controller board. <p>When LED8 (red) on the controller board flickers:</p> <ul style="list-style-type: none"> • Replace the harness between the operation panel and the BICU. • Replace the operation panel. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-99	D	Controller start up error
		The operation panel software ended abnormally.
		<ul style="list-style-type: none"> • Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		<ul style="list-style-type: none"> • Turn the main power off/on. • Check the connection of the operation panel and the BICU. • Check the connection of the controller board. <p>When LED8 (red) on the controller board does not flicker:</p> <ul style="list-style-type: none"> • Check the connection of the memory (DIMM) on the controller board. • Replace the memory (DIMM). • Replace the controller board. <p>When LED8 (red) on the controller board flickers:</p> <ul style="list-style-type: none"> • Replace the harness between the operation panel and the BICU. • Replace the operation panel. • Replace the BICU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC673-10	D	Flair connection error of Smart Operation Panel
		The SC is issued only when the Smart Operation Panel is installed. The main machine does not respond to the smart operation panel with the Flair communication.
		The SP setting for the smart operation panel is mismatched.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none">• Turn the main power off/on.• Set the SP5748-201 (OpePanel Setting) to [1: ON]. <p>Note for the phone number.</p> <p>There is a phone number column on the SC673-10 display, but the phone number is not displayed because of this SC feature.</p>

SC600 (Engine: System)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-01	D	24VS Power Supply Voltage Error
		Tracks for 2.5 second (timeout) from the time the +24VS1 converter ON/OFF turns ON (SWTRG1_PO=0 to 1).
		<ul style="list-style-type: none"> • PSU malfunctioning • IOB malfunctioning • Connector disconnected • Harness broken or ground fault • Load fault
		<ol style="list-style-type: none"> 1. Check whether the power supply LED (LED4) on the IOB is lit to orange. <ul style="list-style-type: none"> • LED4 is lit: execute step 2. • LED4 is not lit: execute step 2 and then step 3. 2. Check and replace the harnesses of the IOB and PSU1 if they are broken or have defective grounding. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 4 (or 3). 3. Reconnect the cables of the IOB and PSU1. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 4. Replace the IOB. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 5. Replace the PSU1. Then, turn the machine OFF/ON to check the SC occurrence.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-02	B	ADF 24V Power Supply Voltage Error
		Tracks for 2.5 second (timeout) from the time the machine turns ON or returns from energy save mode.
		<ul style="list-style-type: none"> • PSU malfunctioning • Connector disconnected • Harness broken or ground fault
		<ol style="list-style-type: none"> 1. Check whether the power supply LED (LED3) on the IOB is lit to yellow. <ul style="list-style-type: none"> • LED3 is lit: no treatment is necessary. • LED3 is not lit: execute step 2. 2. Check and replace the harness of the PSU2 if it is broken or has defective grounding. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 3.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		3. Replace the PSU2. Then, turn the machine OFF/ON to check the SC occurrence.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-03	B	DUB 24VS Power Supply Voltage Error
		Tracks for 1 second (timeout) from the time the cleaning web motor is turned ON on the software.
		<ul style="list-style-type: none"> • PSU malfunctioning • Connector disconnected • Harness broken or ground fault • Cleaning web motor malfunctioning • DUB malfunctioning
		<p>1. Check whether the power supply LED (LED5) on the DUB is lit to orange.</p> <ul style="list-style-type: none"> • LED5 is lit: execute step 2. • LED5 is not lit: execute step 2 and then step 3. <p>2. Check and replace the harnesses of the DUB and PSU1 if they are broken or have defective grounding. Then, turn the machine OFF/ON to check the SC occurrence.</p> <ul style="list-style-type: none"> • The SC occurred: execute step 4 (or 3). <p>3. Reconnect the cables of the DUB and PSU1. Then, turn the machine OFF/ON to check the SC occurrence.</p> <ul style="list-style-type: none"> • The SC occurred: execute step 5. <p>4. Replace the DUB. Then, turn the machine OFF/ON to check the SC occurrence.</p> <ul style="list-style-type: none"> • The SC occurred: execute step 5. <p>5. Replace the PSU1. Then, turn the machine OFF/ON to check the SC occurrence.</p> <ul style="list-style-type: none"> • The SC did not occur: check the cleaning web motor with the OUTPUT command in SP mode.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-04	B	IOB 24V Power Supply Voltage Error
		Tracks for 2.5 second (timeout) from the time the skew correction motor Y/M/C/K are turned ON on the software.
		<ul style="list-style-type: none"> • PSU malfunctioning • Connector disconnected • Harness broken or ground fault • Cleaning motor malfunctioning • Image skew correction motor (Y/M/C/K) malfunctioning

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"> 1. Check whether the power supply LED (LED3) on the IOB is lit to yellow. <ul style="list-style-type: none"> • LED3 is lit: execute step 2. • LED3 is not lit: execute step 2 and then step 3. 2. Check and replace the harnesses of the IOB and PSU1 if they are broken or have defective grounding. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 4 (or 3). 3. Reconnect the cables of the IOB and PSU1. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 4. Replace the IOB. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 5. Replace the PSU2. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC did not occur: check the image correction motor with the OUTPUT command in SP mode.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-05	B	PFB 24V Power Supply Voltage Error 1
		Tracks for 2.5 second (timeout) from the time the HAISHI_FAN_O is turns ON on the software.
		<ul style="list-style-type: none"> • PSU malfunctioning • Connector disconnected • Harness broken or ground fault • Fans for Booklet Finisher SR4130/Finisher SR4120 (Cooling Fan Unit Type M26) malfunctioning • PFB malfunctioning
		<ol style="list-style-type: none"> 1. Check whether the power supply LED (LED4) on the PFB is lit to yellow. <ul style="list-style-type: none"> • LED4 is lit: execute step 2. • LED4 is not lit: execute step 2 and then step 3. 2. Check and replace the harnesses of the PFB and PSU1 if they are broken or have defective grounding. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 4 (or 3). 3. Reconnect the cables of the PFB and PSU2. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 4. Replace the PFB. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> • The SC occurred: execute step 5. 5. Replace the PSU2. Then, turn the machine OFF/ON to check the SC occurrence.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> The SC did not occur: check the fan for Booklet Finisher SR4130/Finisher SR4120 (Cooling Fan Unit Type M26) with the OUTPUT command in SP mode.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-06	B	PFB 24V Power Supply Voltage Error 2
		Tracks for 2.5 second (timeout) from the time the CLTKSL_DRV_O is turns ON on the software.
		<ul style="list-style-type: none"> PSU malfunctioning Connector disconnected Harness broken or ground fault Left tray lock solenoid malfunctioning PFB malfunctioning
		<ol style="list-style-type: none"> Check whether the power supply LED (LED4) on the PFB is lit to yellow. <ul style="list-style-type: none"> LED4 is lit: execute step 2. LED4 is not lit: execute step 2 and then step 3. Check and replace the harnesses of the PFB and PSU1 if they are broken or have defective grounding. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> The SC occurred: execute step 4 (or 3). Reconnect the cables of the PFB and PSU2. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> The SC occurred: execute step 5. Replace the PFB. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> The SC occurred: execute step 5. Replace the PSU2. Then, turn the machine OFF/ON to check the SC occurrence. <ul style="list-style-type: none"> The SC did not occur: check the solenoid with the OUTPUT command in SP mode.

SC700 (Engine: Peripherals-1)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-01	D	ADF bottom plate lift motor error (SPDF)
		The bottom plate HP sensor does not detect the home position of the bottom plate after the ADF bottom plate lift motor switches on and lowers the bottom plate. Or, the bottom plate HP sensor does not detect the position of the plate after the ADF bottom plate lift motor switches on and raises the bottom plate. Details: The ADF notifies the main machine of the error. The first two occurrences are displayed as jams.
		<ul style="list-style-type: none"> • Bottom plate position sensor output error • Bottom plate HP sensor output error • ADF bottom plate lift motor error (does not rotate) • ADF control board defective
		<ul style="list-style-type: none"> • Check the connections of the sensor harnesses and motor harnesses. • Replace the sensor harnesses and motor harnesses. • Replace the sensor or motor. • Replace the ADF control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-02	D	Original pick up error (SPDF)
		The ADF pick-up roller lift motor is turned on but the pick-up roller HP sensor is not detecting it. Details: The SC is detected when the output of the pick-up roller HP sensor was not changed during the ADF pick-up roller lift motor driving. The first two occurrences are displayed as jams.
		<ul style="list-style-type: none"> • Pick-up roller HP sensor output error • ADF pick-up roller lift motor error (does not rotate) • ADF control board defective
		<ul style="list-style-type: none"> • Check the connections of the sensor harnesses and motor harnesses. • Replace the sensor harnesses and motor harnesses. • Replace the sensor or motor. • Replace the ADF control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-04	D	ADF feed motor error (SPDF)
		Error signal detected while the ADF feed motor is driven. Details:

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		When encoder channel A (B) error or overload error is detected among the ADF feed motor error notification registers. The first two occurrences, however, are displayed as jams.
		<ul style="list-style-type: none"> • ADF feed motor defective • Connector disconnected • Harness broken • Overload
		<ul style="list-style-type: none"> • Check the harness connection. • Replace the encoder harness. • Replace the ADF feed motor. • Replace the control board. • Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-05	D	ADF entrance motor error (SPDF)
		Error signal detected while the ADF entrance motor is driven. Details: When encoder channel A (B) error or overload error is detected among the ADF entrance motor error notification registers. The first two occurrences, however, are displayed as jams.
		<ul style="list-style-type: none"> • ADF entrance motor defective • Connector disconnected • Harness broken • Overload
		<ul style="list-style-type: none"> • Check the harness connection. • Replace the encoder harness. • Replace the ADF entrance motor. • Replace the control board. • Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-06	D	ADF transport motor error (SPDF)
		Error signal detected while the ADF transport motor is driven. Details: When encoder channel A (B) error or overload error is detected among the ADF entrance

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>motor error notification registers.</p> <p>The first two occurrences, however, are displayed as jams.</p>
		<ul style="list-style-type: none"> • ADF entrance motor defective • Connector disconnected • Harness broken • Overload
		<ul style="list-style-type: none"> • Check the harness connection. • Replace the encoder harness. • Replace the ADF entrance motor. • Replace the control board. • Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-07	D	<p>ADF Scanning motor error (SPDF)</p> <p>Error signal detected while the ADF scanning motor is driven.</p> <p>Details:</p> <p>When encoder channel A (B) error or overload error is detected among the ADF scanning motor error notification registers.</p> <p>The first two occurrences, however, are displayed as jams.</p>
		<ul style="list-style-type: none"> • ADF scanning motor defective • Connector disconnected • Harness broken • Overload
		<ul style="list-style-type: none"> • Check the harness connection. • Replace the encoder harness. • Replace the ADF scanning motor. • Replace the control board. • Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-09	D	<p>ADF Exit motor error (SPDF)</p> <p>Error signal detected while the ADF exit motor is driven.</p> <p>Details:</p> <p>When encoder channel A (B) error or overload error is detected among the ADF exit motor error notification registers.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The first two occurrences, however, are displayed as jams.
		<ul style="list-style-type: none"> • ADF exit motor defective • Connector disconnected • Harness broken • Overload
		<ul style="list-style-type: none"> • Check the harness connection. • Replace the encoder harness. • Replace the ADF exit motor. • Replace the control board. • Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC702-04	D	Protection device break error 4 (SPDF)
		The protection device of PSU2 broke the circuit with the 24V power supply on. Details: A motor defect or a short circuit occurred in either the ADF pick-up roller lift motor, transmission stamp, or ADF bottom plate lift motor. Then the protection device of PSU2 broke the circuit.
		<ul style="list-style-type: none"> • Motors controlled by PSU2 are defective. • Harnesses connected to PSU2 are broken.
		<ul style="list-style-type: none"> • Replace the broken parts. • Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC702-05	D	Protection device break error 5 (SPDF)
		The protection device of PSU1 broke the circuit with the 24V power supply on. Details: A motor defect or a short circuit occurred in either the ADF feed motor, ADF entrance motor, ADF transport motor, ADF scanning motor, or ADF exit motor. Then the protection device of PSU1 broke the circuit.
		<ul style="list-style-type: none"> • Motors controlled by PSU1 are defective. • Harnesses connected to PSU1 are broken.
		<ul style="list-style-type: none"> • Replace the broken parts. • Replace the board.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-07	D	Downstream device communication error (Buffer Pass Unit)
		<ul style="list-style-type: none"> Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. The port level of the downstream device does not become H level (break cancel) within specified time.
		<ul style="list-style-type: none"> Interface cable (downstream device side) connector disconnected or broken Board defective (Buffer pass unit or downstream device)
		<ul style="list-style-type: none"> Replace the interface cable between buffer pass unit and downstream device or reconnect the connectors. Replace the board (of the buffer pass unit or downstream device).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-08	D	Buffer pass unit_CTB_+24V_Power supply error
		Detected +24V power OFF of the buffer pass unit PCB: CTB.
		<ul style="list-style-type: none"> Buffer pass unit PSU defect Connecter disconnected Harness ground fault/broken 24V load (motor/fan) layer short PCB defective Fuse tripped (PSU, PCB)
		<ul style="list-style-type: none"> Replace the buffer pass unit PSU. Reconnect the connector. Replace the harness. Replace the motor/fan. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-09	D	Buffer pass unit_CTB_+24VINT_Power supply error
		Detected +24VINT power OFF of the buffer pass unit PCB: CTB.
		<ul style="list-style-type: none"> Buffer pass unit PSU defect Connecter disconnected Harness ground fault/broken 24V load (motor/fan) layer short PCB defective Fuse tripped (PSU, PCB) PCB relay defect
		<ul style="list-style-type: none"> Replace the buffer pass unit PSU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the harness. • Replace the motor/fan. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-01	D	Downstream device communication error (Finisher SR4120/SR4130)
		Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times.
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-03	D	Protection device break error 1 (Finisher SR4120/SR4130)
		Protection device break error (fuse tripped)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-04	D	Protection device break error 1 (Finisher SR4120/SR4130 with Mailbox)
		Protection device break error (fuse tripped)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-10	D	Entrance Transport Motor Error (Finisher SR4120/SR4130)
SC720-11	D	Horizontal Transport Motor Error (Finisher SR4120/SR4130)
SC720-13	B	Transport Motor Error (Finisher SR4120/SR4130)
SC720-15	D	Pre-Stack Transport Motor Error (Finisher SR4120/SR4130)
SC720-17	B	Exit Motor Error (Finisher SR4120/SR4130)
		Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-20	B	Lower Junction Gate Motor Error (Finisher SR4120/SR4130)
SC720-24	B	Paper Exit Guide Plate Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> • Motor driver detected an error (short-circuit or overheat). (SC from the first time)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-25	D	Punch Motor Error (Finisher SR4120/SR4130)
SC720-27	D	Punch Movement Motor Error (Finisher SR4120/SR4130)
SC720-28	D	Punch Registration Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulse). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-30	B	Jogger Motor Error (Finisher SR4120/SR4130)
SC720-33	B	Positioning Roller Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulse). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-34	B	Positioning Roller Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-35	B	Paper Stacking Holder Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC) When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-41	B	Feed-Out Belt Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC) When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-42	B	Corner Stapler Movement Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-44	B	Corner Stapler Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-50	B	Booklet Jogger Motor Error (Finisher SR4120/SR4130)
SC720-51	B	Booklet Jogging Pawl Movement Motor Error (Finisher SR4120/SR4130)
SC720-52	B	Press Fold Motor Error (Finisher SR4120/SR4130)
SC720-53	B	Booklet Bottom Fence Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (short-circuit or overheat). (SC from the first time) When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-54	B	Fold Transport Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (short-circuit or overheat). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-60	B	Booklet Stapler Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-70	B	Tray Lift Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor controller detected an error (overload). (The first time: jam display, the second time: SC) When descending, paper sensor is still detecting paper after the specified time (t0 sec). (The first time: jam display, the second time: SC) When ascending, paper sensor did not detect paper within specified time (t1 sec). (The

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-71	B	Shift Motor Error (Finisher SR4120/SR4130)
SC720-72	B	Front Fence Motor Error (Finisher SR4120/SR4130)
SC720-73	B	Rear Fence Motor Error (Finisher SR4120/SR4130)
SC720-74	B	Fence Lift Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (short-circuit or overheat). (SC from the first time) When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-75	B	Return Roller Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC) When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-80	B	Protection device break error 3 (Finisher SR4120/SR4130)
		Protection device break error (fuse tripped)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-81	B	Dynamic Roller Transport Motor Error (Finisher SR4120/SR4130)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-82	B	Leading Edge Guide Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-83	B	Paper Guide Motor Error (Finisher SR4120/SR4130)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-84	D	Protection device break error 2 (Finisher SR4120/SR4130 without Mailbox)
		<ul style="list-style-type: none"> Protection device break error (fuse tripped)
		For details about cause and solution, refer to " Troubleshooting for SC720-XX ".

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-01	D	Downstream device communication error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. The port level of the downstream device does not become H level (break cancel) within specified time.
		<ul style="list-style-type: none"> Interface cable (downstream device side) Connector disconnected or broken Downstream device board defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Controller board defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the connectors on the downstream device side. • Replace the down stream device board. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-03	D	Protection device break error 1 (Finisher SR5070/SR5080)
		24V_INT_1 power supply level error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Harness broken
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Replace the harness. • Replace the defective motor. It could be any of the following: Entrance Motor, Registration motor, Junction gate motor, Horizontal transport motor, Pre-stack motor, Stapler entrance motor, Leading edge stopper motor, Base fence movement motor, Base fence lift motor, Feed-out belt motor, Trailing edge press motor, Stapler movement motor, Corner stapler motor, Positioning roller lift motor, Positioning roller rotation motor, Jogger motor (front), Jogger motor (rear), Trimmings shutter solenoid, PSU cooling fan motor • Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-04	D	Protection device break error 2 (Finisher SR5070/SR5080)
		24V_INT_2 power supply level error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Harness broken
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Replace the harness. • Replace the defective motor. It could be any of the following: Stack transport motor, Booklet bottom fence motor, Booklet stapler side fence motor, Booklet stapler bottom fence motor, Turn guide motor, Stack transport motor, Fold roller motor, Fold plate motor, Punch movement motor, Booklet stapler motor, Punch junction gate motor, Booklet stapler motor • Replace the board.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-05	D	PSU Cooling Fan Error (Finisher SR5070/SR5080)
		The lock detection signal from the fan motor cannot be detected. (SC from the first time)
		<ul style="list-style-type: none"> • PSU cooling fan motor defective • Connector disconnected • Drive circuit defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Replace the harness. • Replace the PSU cooling fan motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-10	D	Transport Motor 1 Error (entrance/upper transport) (Finisher SR5070/SR5080)
SC721-11	D	Transport Motor 2 Error (proof tray vertical transport) (Finisher SR5070/SR5080)
SC721-12	D	Transport Motor 3 Error (after punch) (Finisher SR5070/SR5080)
SC721-13	D	Transport Motor 4 Error (registration) (Finisher SR5070/SR5080)
SC721-15	B	Transport Motor 6 Error (pre-stack) (Finisher SR5070/SR5080)
		DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-16	D	Exit Motor 1 Error (proof exit) (Finisher SR5070/SR5080)
SC721-17	B	Exit Motor 2 Error (shift tray exit) (Finisher SR5070/SR5080)
SC721-18	B	Exit Motor 3 Error (staple exit) (Finisher SR5070/SR5080)
		DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-20	D	Junction Gate Motor 1 Error (proof junction) (Finisher SR5070/SR5080)
SC721-21	D	Junction Gate Motor 2 Error (staple junction) (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-23	B	Pre-Stack Release Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Pre-stack release motor defective • Connector disconnected • Overload • Pre-stack sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and sensor connector. • Replace the pre-stack sensor. • Replace the pre-stack release motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-24	B	Junction Gate Transport Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		number of pulses (p0 pulses). (The first time: jam display, the second time: SC) <ul style="list-style-type: none"> When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Junction gate transport motor defective Connector disconnected Overload Junction gate home position sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and sensor connector. Replace the junction gate home position sensor. Replace the junction gate transport motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-25	D	Punch Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> After the punch motor was turned ON, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) After the punch motor was turned ON, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Punch motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and sensor connector. Replace the home position sensor. Replace the punch motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-26	D	Punch Switch Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Punch switch motor defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connector disconnected • Overload
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector. • Replace the punch switch motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-27	D	Punch Movement Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • After driving the punch movement motor, the motor did not back to the home position within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • After driving the punch movement motor, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Punch movement motor defective • Connector disconnected • Overload
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector. • Replace the punch movement motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-31	B	Jogger Fence Motor 2 (Front) Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Jogger fence motor (front) defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and sensor connector. • Replace the home position sensor. • Replace the jogger fence motor (front).

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-32	B	Jogger Fence Motor 3 (Rear) Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Jogger fence motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and sensor connector. Replace the home position sensor. Replace the jogger fence motor (rear).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-33	B	Positioning Roller Lift Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Positioning roller lift motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and sensor connector. Replace the home position sensor. Replace the positioning roller lift motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-34	B	Positioning Roller Rotation Motor Error (Finisher SR5070/SR5080)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		<ul style="list-style-type: none"> Positioning roller rotation motor defective Connector disconnected
		<ul style="list-style-type: none"> Turn the machine OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Reconnect the motor connector. • Replace the positioning roller rotation motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-35	B	Trailing Edge Press Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • The drive unit in the staple tray does not return to the home position within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When the drive unit in the staple tray was moving away from the home position, the home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. <ul style="list-style-type: none"> • During the initialization (after executing retry): the first time error is the jam display, the second time error is the SC. • Except the initialization: the SC is issued from the first time.
		<ul style="list-style-type: none"> • Increase in sliding load by dirt on the working shaft • Trailing edge press motor defective • Connector disconnected • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Check and remove the dirt (drive shaft of the trailing edge press motor). • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the trailing edge press motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-39	B	Leading Edge Stopper Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. <ul style="list-style-type: none"> • During the initialization: the first time error is the jam display, the second time error is the SC. • Except the initialization: the SC is issued from the first time.
		<ul style="list-style-type: none"> • Leading edge stopper motor defective

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the leading edge stopper motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-40	B	Base Fence Lift Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Base fence lift motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the base fence lift motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-41	B	Feed Out Belt Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. <ul style="list-style-type: none"> • During the initialization (after executing retry): the first time error is the jam display, the second time error is the SC. • Except the initialization: the SC is issued from the first time.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Feed out belt motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the feed out belt motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-42	B	Stapler Movement Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Stapler movement motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the stapler movement motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-43	B	Corner Stapler Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Corner stapler motor defective • Connector disconnected

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the corner stapler motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-44	B	Booklet Stapler Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • The staple drive unit does not complete operation within specified time (t0 ms). (The first time: jam display, the second time: SC) • When moving to the home position, home position was not detected within specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Overload due to staple jam or number of sheets exceeding the limit, etc. • Booklet stapler motor defective • Connector disconnected • Home position sensor defective
		<ol style="list-style-type: none"> 1. Removing the overload <ul style="list-style-type: none"> • Remove the staple jam. • Check the number of sheets 2. Checking the following <ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the booklet stapler motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-50	B	Booklet Stapler Jogger Motor Error (Finisher SR5070/SR5080)
SC721-51	B	Booklet Stapler Jog Pawl Motor Error (Finisher SR5070/SR5080)
SC721-52	B	Fold Plate Drive Motor Error (Finisher SR5070/SR5080)
SC721-53	B	Bottom Fence Movement Motor Error (Finisher SR5070/SR5080)
SC721-	B	Stack Transport Unit Motor Error (Finisher SR5070/SR5080)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
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SC721-55	B	Booklet Stapler Clamp Roller Motor Error (Finisher SR5070/SR5080)
SC721-56	B	Stack JG Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-60	B	Booklet Stapler Motor 1 Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • The booklet stapler did not stop within the specified time (t0 ms). (The first time: jam display, the second time: SC) • When moving to the home position, home position was not detected within specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Overload due to staple jam or number of sheets exceeding the limit, etc. • Motor defective • Connector disconnected • Home position sensor defective
		<ol style="list-style-type: none"> 1. Removing the overload <ul style="list-style-type: none"> • Remove the staple jam. • Check the number of sheets 2. Checking the following <ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-70	B	Tray 1 Lift Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When descending, paper sensor is still detecting paper after the specified time (t0 sec). (The first time: jam display, the second time: SC) When ascending, paper sensor did not detect paper within specified time (t1 sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Paper sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and the sensor connector. Replace the paper sensor. Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-71	B	Shift Motor 1 Error (tray/shift roller) (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Reconnect the motor connector and the sensor connector. Replace the home position sensor. Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-72	B	Paper Exit Jogger Motor 1 Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-74	B	Paper Exit Jogger Retraction Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-75	B	Stacking Roller Drag Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"> 1. Checking the paper jam 2. Checking the following <ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-76	B	Drag Roller Transport/Trailing Edge Pressure Plate Lever Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When the CW was rotating (return transporting), the motor driver detected an open circuit or short-circuit. (SC from the first time) • When moving to the home position while the CCW was rotating (pressuring), home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position while the CCW was rotating (pressuring), home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-77	B	Exit Fan Motor Error (Finisher SR5070/SR5080)
		Lock signal is missing 10 times consecutively.
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Drive circuit defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector. • Replace the drive circuit. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-80	D	Interlock Power Error (Finisher SR5070/SR5080)
		24V_INT power supply level error. (SC from the first time)
		<ul style="list-style-type: none"> • Controller board power circuit defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-81	D	Protection Device Break Error 3 (Finisher SR5070/SR5080)
		24V_POW power supply level error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Harness broken
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Replace the harness. • Replace the defective motor. It could be any of the following: Booklet stack tray motor, Proof tray exit motor, Shift exit motor, Shift tray lift motor, Shift jogger motor, Drag roller motor, Pre-stack release motor, Junction gate motor (proof/shift tray), Junction gate motor (shift/staple), Drag roller movement motor, Shift jogger fence retract motor, Exit guide motor, Shift motor • Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-82	B	Fence S-to-S Moving Motor Error (Finisher SR5070/SR5080)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the home position sensor.

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-83	B	Stack Transport Motor Error (Finisher SR5070/SR5080)
		DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-84	B	Fold Roller Motor Error (Finisher SR5070/SR5080)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the defective motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC721-85	B	Booklet Tray Motor Error (Finisher SR5070/SR5080)
		DCM drive software detected the motor drive error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Reconnect the motor connector and the sensor connector. • Replace the defective motor.

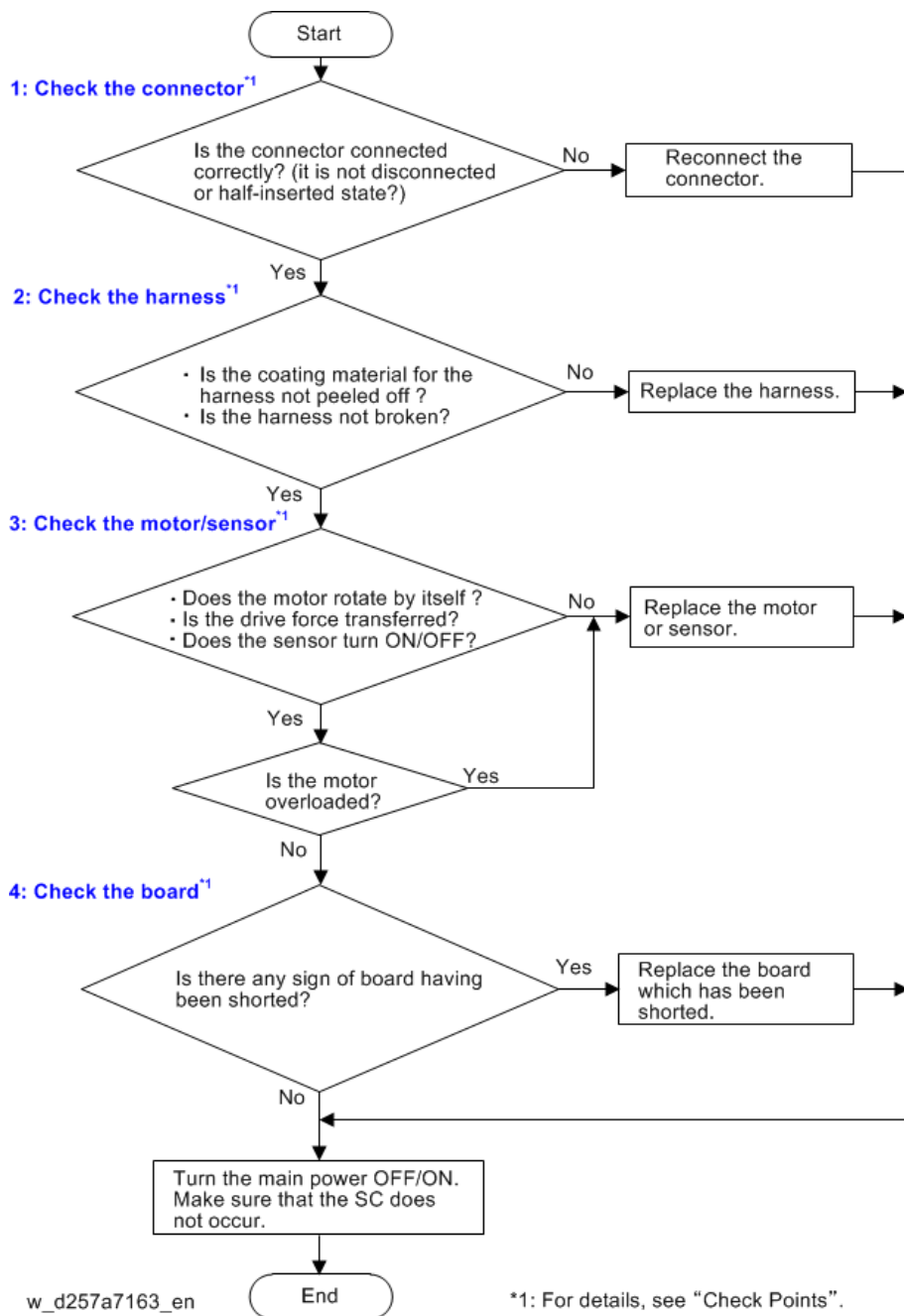
Troubleshooting for SC720-XX

Cause

Interface cable (downstream device side) connector disconnected or broken, PCB of downstream device defective,
1288

Controller PCB defective, Connector disconnected, Short-circuit, Overload, Motor defective, Solenoid defective, Home position sensor defective

Solution



Check Points

1. Check the connector

SC No.	Check Points
SC720-01	Connector which is connected to CN100 to CN101 of the main board

6.Troubleshooting

SC No.	Check Points
SC720-03	No need to check the connector
SC720-04	No need to check the connector
SC720-10	Connector between CN133 of the main board and the entrance transport motor
SC720-11	Connector between CN133 of the main board and the horizontal transport motor
SC720-13	Connector between CN118 of the main board and the transport motor
SC720-15	Connector between CN131 of the main board and the pre-stack transport motor
SC720-17	Connector between CN118 of the main board and the exit motor
SC720-20	Connector between CN128 of the main board and the lower junction gate motor
SC720-24	<ul style="list-style-type: none"> • Connector between CN128 of the main board and the paper exit guide plate motor • Connector between CN116 of the main board and the exit guide plate HP sensor
SC720-25	<ul style="list-style-type: none"> • Connector between CN130/CN132 of the main board and the punch unit control board • Connector between CN605 of the punch unit control board and the punch movement motor • Connector between CN604 of the punch unit control board and the punch motor rotation sensor • Connector between CN604 of the punch unit control board and the punch HP sensor
SC720-27	<ul style="list-style-type: none"> • Connector between CN130/CN132 of the punch unit control board and the punch unit control board • Connector between CN606 of the punch unit control board and the punch movement motor • Connector between CN606 of the punch unit control board and the punch unit HP sensor
SC720-28	<ul style="list-style-type: none"> • Connector between CN130/CN132 of the main board and the punch unit control board • Connector between CN607 of the punch unit control board and the punch registration motor • Connector between CN607 of the punch unit control board and the punch registration HP sensor
SC720-30	<ul style="list-style-type: none"> • Connector between CN127 of the main board and the jogger motor • Connector between CN117 of the main board and the jogger fence HP sensor
SC720-33	<ul style="list-style-type: none"> • Connector between CN128 of the main board and the positioning roller motor • Connector between CN116 of the main board and the positioning roller HP sensor
SC720-34	Connector between CN138 of the main board and the corner stapler movement motor

SC No.	Check Points
SC720-35	<ul style="list-style-type: none"> • Connector between CN122 of the main board and the paper stacking holder motor • Connector between CN115 of the main board and the holder HP sensor
SC720-41	<ul style="list-style-type: none"> • Connector between CN121 of the main board and the feed-out belt motor • Connector between CN117 of the main board and the feed-out belt HP sensor
SC720-42	<ul style="list-style-type: none"> • Connector between CN121 of the main board and the corner stapler movement motor • Connector between CN117 of the main board and the corner stapler move HP sensor
SC720-44	Connector between CN125 of the main board and the corner stapler motor
SC720-50	<ul style="list-style-type: none"> • Connector between CN113 of the main board and the booklet jogger motor • Connector between CN109 of the main board and the booklet jogging HP sensor
SC720-51	<ul style="list-style-type: none"> • Connector between CN113 of the main board and the booklet jogging pawl movement motor • Connector between CN108 of the main board and the booklet jogging pawl HP sensor
SC720-52	<ul style="list-style-type: none"> • Connector between CN112 of the main board and the press fold motor • Connector between CN118 of the main board and the fold plate HP sensor • Connector between CN109 of the main board and the fold plate cam HP sensor
SC720-53	<ul style="list-style-type: none"> • Connector between CN113 of the main board and the booklet bottom fence motor • Connector between CN109 of the main board and the booklet lower transport path paper sensor
SC720-54	Connector between CN112 of the main board and the fold transport motor
SC720-60	Connector between CN111 of the main board and the booklet stapler motor
SC720-70	<ul style="list-style-type: none"> • Connector between CN123 of the main board and the tray lift motor • Connector between CN115 of the main board and the shift paper height sensor
SC720-71	<ul style="list-style-type: none"> • Connector between CN127 of the main board and the shift motor • Connector between CN119 of the main board and the shift roller HP sensor
SC720-72	<ul style="list-style-type: none"> • Connector between CN102/CN137 of the main board and the output jogger unit • Connector between CN11 of the output jogger unit and the front fence motor • Connector between CN10 of the output jogger unit and the front fence sensor
SC720-73	<ul style="list-style-type: none"> • Connector between CN102/CN137 of the main board and the output jogger unit • Connector between CN4 of the output jogger unit and the rear fence motor • Connector between CN10 of the output jogger unit and the rear fence sensor
SC720-74	<ul style="list-style-type: none"> • Connector between CN102/CN137 of the main board and the output jogger unit • Connector between CN7 of the output jogger unit and the fence lift motor • Connector between CN5 of the output jogger unit and the lift sensor 2
SC720-75	<ul style="list-style-type: none"> • Connector between CN122 of the main board and the return roller motor • Connector between CN115 of the main board and the return roller HP sensor

6. Troubleshooting

SC No.	Check Points
SC720-80	Connector between CN102/CN137 of the main board and the output jogger unit
SC720-81	Connector between CN110 of the main board and the dynamic roller transport motor
SC720-82	<ul style="list-style-type: none"> Connector between CN127 of the main board and the leading edge guide motor Connector between CN115 of the main board and the leading edge guide HP sensor
SC720-83	<ul style="list-style-type: none"> Connector between CN182 of the main board and the paper guide motor Connector between CN139 of the main board and the paper guide HP sensor
SC720-84	No need to check the connector

2. Check the harness

SC No.	Check Points
SC720-01	All the harnesses
SC720-03	All the harnesses
SC720-04	The harness which is connected to CN105 of the main board.
SC720-10	Harness between CN133 of the main board and the entrance transport motor
SC720-11	Harness between CN133 of the main board and the horizontal transport motor
SC720-13	Harness between CN118 of the main board and the transport motor
SC720-15	Harness between CN131 of the main board and the pre-stack transport motor
SC720-17	Harness between CN131 of the main board and the pre-stack transport motor
SC720-20	Harness between CN128 of the main board and the lower junction gate motor
SC720-24	<ul style="list-style-type: none"> Harness between CN128 of the main board and the paper exit guide plate motor Harness between CN116 of the main board and the exit guide plate HP sensor
SC720-25	<ul style="list-style-type: none"> Harness between CN130/CN132 of the main board and the punch unit control board Harness between CN605 of the punch unit control board and the punch movement motor Harness between CN604 of the punch unit control board and the punch motor rotation sensor Harness between CN604 of the punch unit control board and the punch HP sensor
SC720-27	<ul style="list-style-type: none"> Harness between CN130/CN132 of the punch unit control board and the punch unit control board

SC No.	Check Points
	<ul style="list-style-type: none"> • Harness between CN606 of the punch unit control board and the punch movement motor • Harness between CN606 of the punch unit control board and the punch unit HP sensor
SC720-28	<ul style="list-style-type: none"> • Harness between CN130/CN132 of the main board and the punch unit control board • Harness between CN607 of the punch unit control board and the punch registration motor • Harness between CN607 of the punch unit control board and the punch registration HP sensor
SC720-30	<ul style="list-style-type: none"> • Harness between CN127 of the main board and the jogger motor • Harness between CN117 of the main board and the jogger fence HP sensor
SC720-33	<ul style="list-style-type: none"> • Harness between CN128 of the main board and the positioning roller motor • Harness between CN116 of the main board and the positioning roller HP sensor
SC720-34	Harness between CN138 of the main board and the corner stapler movement motor
SC720-35	<ul style="list-style-type: none"> • Harness between CN122 of the main board and the paper stacking holder motor • Harness between CN115 of the main board and the holder HP sensor
SC720-41	<ul style="list-style-type: none"> • Harness between CN121 of the main board and the feed-out belt motor • Harness between CN117 of the main board and the feed-out belt HP sensor
SC720-42	<ul style="list-style-type: none"> • Harness between CN121 of the main board and the corner stapler movement motor • Harness between CN117 of the main board and the corner stapler move HP sensor
SC720-44	Harness between CN125 of the main board and the corner stapler motor
SC720-50	<ul style="list-style-type: none"> • Harness between CN113 of the main board and the booklet jogger motor • Harness between CN109 of the main board and the booklet jogging HP sensor
SC720-51	<ul style="list-style-type: none"> • Harness between CN113 of the main board and the booklet jogging pawl movement motor • Harness between CN108 of the main board and the booklet jogging pawl HP sensor
SC720-52	<ul style="list-style-type: none"> • Harness between CN112 of the main board and the press fold motor • Harness between CN118 of the main board and the fold plate HP sensor • Harness between CN109 of the main board and the fold plate cam HP sensor
SC720-53	<ul style="list-style-type: none"> • Harness between CN127 of the main board and the jogger motor • Harness between CN117 of the main board and the jogger fence HP sensor
SC720-54	Harness between CN112 of the main board and the fold transport motor
SC720-60	Harness between CN111 of the main board and the booklet stapler motor
SC720-70	<ul style="list-style-type: none"> • Harness between CN123 of the main board and the tray lift motor • Harness between CN115 of the main board and the shift paper height sensor
SC720-71	<ul style="list-style-type: none"> • Harness between CN127 of the main board and the shift motor • Harness between CN119 of the main board and the shift roller HP sensor
SC720-	• Harness between CN102/CN137 of the main board and the output jogger unit

6. Troubleshooting

SC No.	Check Points
72	<ul style="list-style-type: none"> • Harness between CN11 of the output jogger unit and the front fence motor • Harness between CN10 of the output jogger unit and the front fence sensor
SC720-73	<ul style="list-style-type: none"> • Harness between CN102/CN137 of the main board and the output jogger unit • Harness between CN4 of the output jogger unit and the rear fence motor • Harness between CN10 of the output jogger unit and the rear fence sensor
SC720-74	<ul style="list-style-type: none"> • Harness between CN102/CN137 of the main board and the output jogger unit • Harness between CN7 of the output jogger unit and the fence lift motor • Harness between CN5 of the output jogger unit and the lift sensor 2
SC720-75	<ul style="list-style-type: none"> • Harness between CN122 of the main board and the return roller motor • Harness between CN115 of the main board and the return roller HP sensor
SC720-80	<ul style="list-style-type: none"> • Harness between CN102/CN137 of the main board and the output jogger unit • All the harnesses in the output jogger unit
SC720-81	Harness between CN110 of the main board and the dynamic roller transport motor
SC720-82	<ul style="list-style-type: none"> • Harness between CN127 of the main board and the leading edge guide motor • Harness between CN115 of the main board and the leading edge guide HP sensor
SC720-83	<ul style="list-style-type: none"> • Harness between CN182 of the main board and the paper guide motor • Harness between CN139 of the main board and the paper guide HP sensor
SC720-84	Harness which is connected to CN105 of the main board

3. Check the motor/sensor

SC No.	Check Points
SC720-01	No need to check the motors or sensors.
SC720-03	No need to check the motors or sensors.
SC720-04	No need to check the motors or sensors.
SC720-10	Entrance transport motor
SC720-11	Horizontal transport motor
SC720-13	Transport motor
SC720-15	Pre-stack transport motor
SC720-17	Pre-stack transport motor
SC720-20	Lower junction gate motor
SC720-24	Paper exit guide plate motor, Exit guide plate HP sensor
SC720-25	Punch unit control board, Punch movement motor, Punch motor rotation sensor, Punch HP sensor
SC720-27	Punch unit control board, Punch movement motor, Punch unit HP sensor
SC720-28	Punch unit control board, Punch registration motor, Punch registration HP sensor
SC720-30	Jogger motor, Jogger fence HP sensor

SC No.	Check Points
SC720-33	Positioning roller motor, Positioning roller HP sensor
SC720-34	Corner stapler movement motor
SC720-35	Paper stacking holder motor, Holder HP sensor
SC720-41	Feed-out belt motor, Feed-out belt HP sensor
SC720-42	Corner stapler movement motor, Corner stapler move HP sensor
SC720-44	Corner stapler motor
SC720-50	Booklet jogger motor, Booklet jogging HP sensor
SC720-51	Booklet jogging pawl movement motor, Booklet jogging pawl HP sensor
SC720-52	Press fold motor, Fold plate HP sensor, Fold plate cam HP sensor
SC720-53	Jogger motor, Jogger fence HP sensor
SC720-54	Fold transport motor
SC720-60	Booklet stapler motor
SC720-70	Tray lift motor, Shift paper height sensor
SC720-71	Shift motor, Shift roller HP sensor
SC720-72	Front fence motor and front fence sensor of the output jogger unit
SC720-73	Rear fence motor and rear fence sensor of the output jogger unit
SC720-74	Fence lift motor and lift sensor 2 of the output jogger unit
SC720-75	Return roller motor, Return roller HP sensor
SC720-80	No need to check the motors or sensors.
SC720-81	Harness between CN110 of the main board and the dynamic roller transport motor
SC720-82	Leading edge guide motor, Leading edge guide HP sensor
SC720-83	Paper guide motor, Paper guide HP sensor
SC720-84	No need to check the motors or sensors.

4. Check the board

SC No.	Check Points	SC No.	Check Points
SC720-01	All the boards	SC720-44	Main board
SC720-03	All the boards	SC720-50	Main board
SC720-04	Main board	SC720-51	Main board
SC720-10	Main board	SC720-52	Main board
SC720-11	Main board	SC720-53	Main board
SC720-13	Main board	SC720-54	Main board

6. Troubleshooting

SC No.	Check Points	SC No.	Check Points
SC720-15	Main board	SC720-60	Main board
SC720-17	Main board	SC720-70	Main board
SC720-20	Main board	SC720-71	Main board
SC720-24	Main board	SC720-72	Main board, Main board of the output jogger unit
SC720-25	Main board, Punch unit control board	SC720-73	Main board, Main board of the output jogger unit
SC720-27	Main board, Punch unit control board	SC720-74	Main board, Main board of the output jogger unit
SC720-28	Main board, Punch unit control board	SC720-75	Main board
SC720-30	Main board	SC720-80	Main board of the output jogger unit
SC720-33	Main board	SC720-81	Main board
SC720-34	Main board	SC720-82	Main board
SC720-35	Main board	SC720-83	Main board
SC720-41	Main board	SC720-84	Main board
SC720-42	Main board		

SC700 (Engine: Peripherals-2)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-10	D	Upper Transport Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> Motor pulse not detected for a specified time. (The first time: jam display, the second time: SC) The motor speed does not reach the specified value after a specified time (t1 msec) from motor startup.
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload
		<ul style="list-style-type: none"> Check motor connection. Replace the motor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-14	B	Lower Transport Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> Motor pulse not detected for a specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload
		<ul style="list-style-type: none"> Check motor connection. Replace the motor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-15	B	Pre-stack Transport Motor Error (Finisher SR4110)
SC722-16	D	Upper Tray Exit Motor Error (Finisher SR4110)
SC722-17	B	Shift Tray Exit Motor Error (Finisher SR4110)
SC722-18	B	Stapler Exit Motor Error (Finisher SR4110)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		<ul style="list-style-type: none"> Motor defective Connector disconnected
		<ul style="list-style-type: none"> Check motor connection. Replace the motor. Replace the PCB.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-20	D	Upper Tray Junction Gate Motor Error (Finisher SR4110)
SC722-21	D	Stapler Junction Gate Motor Error (Finisher SR4110)
SC722-22	B	Pre-stack Junction Gate Motor Error (Finisher SR4110)
SC722-23	B	Pre-stack Paper Stopper Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-24	B	Exit Guide Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-25	D	Punch Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> No change to the punch home position sensor after a specified time (t1 ms) from punch

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		operation. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> No change to the punch home position sensor within a specified number of pulses (p0 pulses) from punch operation. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-30	B	Jogger Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-33	B	Positioning Roller Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-34	B	Positioning Roller Transport Motor Error (Finisher SR4110)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Home position sensor defective
		<ul style="list-style-type: none"> • Check motor connection. • Replace the motor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-35	B	Stack Plate-Center Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • The drive unit in the staple tray does not return to the home position within a specified time (t0 ms). (The first time: jam display, the second time: SC) • When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-36	B	Stapler Plate-Front Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • The drive unit in the staple tray does not return to the home position within a specified time (t0 ms). (The first time: jam display, the second time: SC) • When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-37	B	Stapler Plate-Rear Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • The drive unit in the staple tray does not return to the home position within a specified time (t0 ms). (The first time: jam display, the second time: SC) • When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-39	B	Stapler Movement Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-40	B	Stapler Rotation Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		time (t0 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-41	B	Stack Feed-Out Belt Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-42	B	Stapler Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-43	B	<p>Stapler Rotation Motor Error (Finisher SR4110)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor defective • Connector disconnected • Overload • Home position sensor defective • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-44	B	<p>Stapler Hammer Motor Error (Finisher SR4110)</p> <ul style="list-style-type: none"> • The staple drive unit does not complete operation within specified time (t0 ms). (The first time: jam display, the second time: SC) • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • Overload due to staple jam or number of sheets exceeding the limit, etc. • Motor defective • Connector disconnected • Home position sensor defective • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-70	B	<p>Shift Tray Lift Motor Error (Finisher SR4110)</p> <ul style="list-style-type: none"> • When ascending, paper sensor did not detect paper within specified time (t0 sec). (The first time: jam display, the second time: SC) • When descending, paper sensor is still detecting paper after the specified time (t1 sec). (The first time: jam display, the second time: SC) • Overload due to staple jam or number of sheets exceeding the limit, etc.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-71	B	Shift Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Overload due to staple jam or number of sheets exceeding the limit, etc. • Motor defective • Connector disconnected • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-72	B	Shift Jogger Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Overload due to staple jam or number of sheets exceeding the limit, etc. • Motor defective • Connector disconnected • Home position sensor defective
		<ul style="list-style-type: none"> • Check the connections of the motor and home position sensor. • Replace the motor/home position sensor. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-	B	Shift Jogger Lift Motor Error (Finisher SR4110)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
74		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Overload due to staple jam or number of sheets exceeding the limit, etc. Motor defective Connector disconnected Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-75	B	Return Drive Motor Error (Finisher SR4110)
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> Overload due to staple jam or number of sheets exceeding the limit, etc. Motor defective Connector disconnected Home position sensor defective
		<ul style="list-style-type: none"> Check the connections of the motor and home position sensor. Replace the motor/home position sensor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-76	B	Stacking Roller Motor Error (Finisher SR4110)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		<ul style="list-style-type: none"> Motor defective Connector disconnected
		<ul style="list-style-type: none"> Check motor connection. Replace the motor. Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-	D	Downstream device communication error (Multi-Folding Unit)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		<ul style="list-style-type: none"> Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. The port level of the downstream device does not become H level (break cancel) within specified time.
		<ul style="list-style-type: none"> Interface cable (downstream device side) connector disconnected or broken PCB of downstream device defective Controller PCB defective
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Check the interface cable (downstream device side), connector, and harness. Replace the PCB of downstream device.
		<ul style="list-style-type: none"> Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-12	B	Reg. Roller Transport Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> Overcurrent to the motor. Motor drive overheat
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Check the motor, connector, and harness. Check the overload of the motor by rotating it by hand. Replace the controller board. Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-13	B	Dynamic Roller Transport Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> Overcurrent to the motor. Motor drive overheat
		<ul style="list-style-type: none"> Turn the machine OFF/ON. Check the motor, connector, and harness. Check the overload of the motor by rotating it by hand. Replace the controller board. Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-14	B	Z-fold top tray exit motor error (Multi-Folding Unit)
		<ul style="list-style-type: none"> Motor driver detected an error. (SC from the first time)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-30	B	Z-fold stopper 1 Motor error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the 1st stopper HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the 1st stopper HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-31	B	2nd Stopper Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check that the 2nd stopper HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the 2nd stopper HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-32	B	3rd Stopper Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the 3rd stopper HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the 3rd stopper HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-33	B	Jogger Fence Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the jogger fence HP sensor turns ON/OFF correctly (Input check).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check the motor, connector, and harness. • Replace the jogger fence HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-34	B	<p>Dynamic Roller Lift Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the dynamic roller HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the dynamic roller HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-35	B	<p>Registration Roller Release Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the registration roller HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the registration roller HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-36	B	<p>FM2 Direct-Send JG Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time) <ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected <ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the direct-send JG HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the direct-send JG HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-37	B	<p>FM6 Pawl Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time) <ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected <ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the FM6 pawl HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the FM6 pawl HP sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-38	B	<p>Fold Plate Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the fold plate HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the fold plate HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-39	B	<p>1st Fold Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-40	B	<p>2nd Fold Motor Error (Multi-Folding Unit)</p> <ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-41	B	Crease Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-71	D	Horizontal Transport Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-72	D	Horizontal exit motor error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-73	D	Horizontal exit motor error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check the motor, connector, and harness. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-74	D	Entrance JG Motor Error (Multi-Folding Unit)
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses (p1 pulses). (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		<ul style="list-style-type: none"> • Turn the machine OFF/ON. • Check that the entrance JG HP sensor turns ON/OFF correctly (Input check). • Check the motor, connector, and harness. • Replace the entrance JG HP sensor. • Check the overload of the motor by rotating it by hand. • Replace the controller board. • Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-01	D	Downstream device communication error (Cover Interposer Tray CI4020)
		<ul style="list-style-type: none"> • Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. • The port level of the downstream device does not become H level (break cancel)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		within specified time.
		<ul style="list-style-type: none"> • Interface cable (between inserter and downstream device) connector disconnected or broken • PCB (of inserter or downstream device) defective
		<ul style="list-style-type: none"> • Reconnect or replace the interface cable (between cover inserter and downstream device) connector disconnected or broken. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-03	D	Protection Device Break Error 1 (Cover Interposer Tray CI4040)
		Protection device break error (fuse tripped, 24V tripped)
		<ul style="list-style-type: none"> • Short-circuit • Overload • Motor defective • Connector disconnected • Connector broken
		<ul style="list-style-type: none"> • Check the connections of all the connectors. • Check if the coating material for the harnesses has peeled off. Replace any broken harness. • Check all the motors to see whether the drive force is transferred or the motor is overloaded. Replace any defective motor. • Check if there is any sign of boards having been shorted. Replace any shorted board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-10	B	Bottom Plate Lift Motor Error (Cover Interposer Tray CI4040)
		<ul style="list-style-type: none"> • The lift motor rotates in the ascending direction but the upper limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC) • The lift motor rotates in the descending direction but the lower limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Upper limit sensor defective • Lower limit sensor defective
		<ul style="list-style-type: none"> • Check the connections of the connector. • Check the defective sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the board. • Replace the motor. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-10	B	<p>1st Lift Motor Error (Cover Interposer Tray CI4020)</p> <ul style="list-style-type: none"> • The lift motor rotates in the ascending direction but the upper limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC) • The lift motor rotates in the descending direction but the lower limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Lift motor defective/Connector disconnected • Upper limit sensor defective/Connector disconnected • Lower limit sensor defective/Connector disconnected • Harness broken • PCB defective • Mechanical defect of the tray lift mechanism
		<ul style="list-style-type: none"> • Replace or reconnect the lift motor. • Replace or reconnect the upper limit sensor. • Replace or reconnect the lower limit sensor. • Replace the harness. • Replace the PCB. • Repair the tray lift mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-11	B	<p>1st Pick-Up Motor Error (Cover Interposer Tray CI4020)</p> <ul style="list-style-type: none"> • Home position is not detected within a specified number of pulses after the pick-up motor is driven. (The first time: jam display, the second time: SC) • Home position is still detected after the pick-up motor has been driven for a specified number of pulses. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Pick-up motor defective/connector disconnected • Home position sensor defective/connector disconnected • Harness broken • PCB defective • Mechanical defect of the pick-up mechanism
		<ul style="list-style-type: none"> • Replace or reconnect the pick-up motor. • Replace or reconnect the home position sensor. • Replace the harness.

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the PCB. • Repair the pick-up mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-20	B	2nd Lift Motor Error (Cover Interposer Tray CI4020)
		<ul style="list-style-type: none"> • The lift motor rotates in the ascending direction but the upper limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC) • The lift motor rotates in the descending direction but the lower limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Lift motor defective/Connector disconnected • Upper limit sensor defective/Connector disconnected • Lower limit sensor defective/Connector disconnected • Harness broken • PCB defective • Mechanical defect of the tray lift mechanism
		<ul style="list-style-type: none"> • Replace or reconnect the lift motor. • Replace or reconnect the upper limit sensor. • Replace or reconnect the lower limit sensor. • Replace the harness. • Replace the PCB. • Repair the tray lift mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-21	B	2nd Pick-Up Motor Error (Cover Interposer Tray CI4020)
		<ul style="list-style-type: none"> • Home position is not detected within a specified number of pulses after the pick-up motor is driven. (The first time: jam display, the second time: SC) • Home position is still detected after the pick-up motor has been driven for a specified number of pulses. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Pick-up motor defective/connector disconnected • Home position sensor defective/connector disconnected • Harness broken • PCB defective • Mechanical defect of the pick-up mechanism
		<ul style="list-style-type: none"> • Replace or reconnect the pick-up motor. • Replace or reconnect the home position sensor. • Replace the harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Repair the pick-up mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC745-03	D	Protection device break error 1 (Mailbox)
		Protection device break error (fuse tripped)
		<ul style="list-style-type: none"> • Short-circuit • Overload • Motor/solenoid defective
		<ul style="list-style-type: none"> • Check the harness. • Replace the PCB. • Replace the motor/solenoid.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-50	B	LCIT high efficiency controller communication error (LCIT RT4020/RT4050)
		An error was detected during read/write access in SPI communication between SPU and high-efficiency controller.
		<ul style="list-style-type: none"> • PCB defective • High-efficiency controller defective • High-efficiency controller system clock error
		<ul style="list-style-type: none"> • Replace the PCB.

SC800 (Controller)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816-**	[0x0000]	Energy save I/O subsystem error
SC816-01	D	Subsystem error
SC816-02	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-03	D	Transition to STR was denied.
SC816-04	D	Interrupt in kernel communication driver
SC816-05	D	Preparation for transition to STR failed.
SC816-07	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-08	D	Sysarch (LPUX_ENGINE_TIMERCTRL) error
SC816-09	D	Sysarch (LPUX_RETURN_FACTOR_STR) error
SC816-10 to 12	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-13	D	open() error
SC816-14	D	Memory address error
SC816-15 to 18	D	open() error
SC816-19	D	Double open() error
SC816-20	D	open() error
SC816-22	D	Parameter error
SC816-23, 24	D	read() error
SC816-25	D	write () error
SC816-26 to 28	D	write() communication retry error
SC816-29, 30	D	read() communication retry error
SC816-35	D	read() error
SC816-36 to 96	D	Subsystem error
SC816-98, 99		Subsystem error
		Energy save I/O subsystem detected some abnormality.
		<ul style="list-style-type: none"> • Energy save I/O subsystem defective • Energy save I/O subsystem detected a controller board error (non-response). • Error was detected during preparation for transition to STR. • SC816-99 occurs as a subsystem error except any error from -06 to 96.
		Check if the SC occurs by turning the power OFF then ON. If the SC occurs again, do

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>the following steps. Check if the SC reoccurs by cycling the power after each step.</p> <ol style="list-style-type: none"> 1. Update the "System/Copy" firmware and the other system firmware to the latest version. 2. Disable the STR shift function with SP5-191-001 (Power Str Set). 3. Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC817-00	D	Monitor error: File detection / Digital signature error
		<ul style="list-style-type: none"> • Boot loader cannot read any of diagnostic module, kernel, or root file system. • In a boot loader SD card, the digital signature checking for any of diagnostic module, kernel, or root file system is failed.
		<ul style="list-style-type: none"> • Any of the following items does not exist or is broken OS Flash ROM, Diagnostic module in SD card, Kernel, Root file system • Any of the following items is revised fraudulently: Diagnostic module in SD card, Kernel, Root file system
		<ul style="list-style-type: none"> • ROM update for controller system • Use another booting SD card having a valid digital signature

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC818-00	D	Watchdog timer error
		The system program fell into a bus-hold state or an endless loop of the program interruption occurred, causing other process to stop.
		<ul style="list-style-type: none"> • System program defective • Controller board defective • Optional board defective
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC819-00	D	Kernel halt error [xxxx]: Detailed error code
		Due to a control error, a RAM overflow occurred during system processing. One of the following messages was displayed on the operation panel.
	[0x5032]	<p>HAIC-P2 error</p> <p>HAIC-P2 decompression error (An error occurred in the ASIC compression/decompression module.)</p> <ul style="list-style-type: none"> • The code data saved in the HDD was broken for an unexpected reason. (HDD

6.Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>device defective)</p> <ul style="list-style-type: none"> • The code data saved to memory was broken for an unexpected reason. (Memory device defective) • ASIC defective • Data other than code data was unzipped due to a software malfunction.
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the HDD. • Replace the memory • Replace the controller board. • Fix the software
	[0x5245]	<p>Link up error</p> <p>Link up transaction between Engine ASIC and Veena was not completed within 100 ms.</p> <p>Either one of following message appears on console if Link up error occurs. RESUME:PCI-Express bus ROOT_DL status error RESUME:PCI-Express bus DETUP status error "0x53554D45" -> Link up error Also, error code "0x5245" and detail code ""0x53554D45" -> Link up error" appears on operation panel.</p>
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the controller board or the engine board (BICU)
	[0x5355]	<p>L2 status time out</p> <p>L2 status register between Engine ASIC and Veena was not reached the target value within 1 sec.</p> <p>Engine ASIC during operation was rebooted or shifted to energy saving mode. Machine reboots when SC23x, SC30x occurs. If Engine ASIC is working when rebooting (or shifting to the energy saving mode), L2 status value is not on target. The following message appears on console. SUSPEND:PCI-Express L2 Status Check Error SUSPEND:PCI-Express L2 Status Check Error Also, error code "0x5355" and detail code ""0x5350454E44" -> L2 status time out" appears on operation panel.</p>
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the controller board or the engine board (BICU)
	[0x6261]	<p>HDD defective</p> <p>Received file system data was broken even if the initialization succeeds and there was no error reply from the HDD.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Power supply disconnection during data writing to the HDD. Replace the HDD. This SC may occur when turning on the machine for the first time with a new HDD. In this case, turn the main power off/on.
	[0x696e]	gwinit processing end If the SCS process is ended for some reason If an unexpected error occurs at SCS processing end, gwinit processing also halts (this result is judged a kernel stop error, by gwinit specification) "0x69742064" -> "init died" Turn the main power OFF/ON.
	[0x766d]	VM full error Occurs when too much RAM is used during system processing "vm_pageout: VM is full" Turn the main power OFF/ON.
	Console string	Other error (characters on operation panel) System detected internal mismatch error <ul style="list-style-type: none"> • Software defective • Insufficient memory • Hardware driver defective (RAM, flash memory) <ul style="list-style-type: none"> • Replace with a larger capacity RAM, or flash memory. • Replace the controller board. • Replace the connected controller option with a new one.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC820-00	C	Self-diagnostics error: CPU [XXXX]: Detailed error code
		[0612]
		ASIC interrupt error Interrupt occurs in an ASIC. <ul style="list-style-type: none"> • ASIC device error • Peripherals device error
		<ul style="list-style-type: none"> • Replace the controller board • Replace the connected controller option with a new one.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC821-00	D	Self-diagnostics error: ASIC [xxxx]: Detailed error code
		[0B00]
		ASIC register check error

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The write-&-verify check has occurred in the ASIC.
		Defective ASIC device
		Replace the controller board.
	[0B06]	ASIC detection error
		Error in the I/O ASIC for system control detection
		<ul style="list-style-type: none"> Defective ASIC Defective North Bridge and PCII/F
		Replace the controller board.
	[0D05]	Comparison error of CPU and ASIC timer
		The CPU checks if the ASIC timer works correctly compared with the CPU timer. If the ASIC timer does not function in the specified range, this SC code is displayed.
		<ul style="list-style-type: none"> Defective ASIC timer device Defective CPU device
		Replace the controller board.
	[50A1]	Video bridge device detection error
		Video bridge device is not detected.
		<ul style="list-style-type: none"> Video bridge device ASIC (HARP or KLAVIER) defective. Connection error between PCI I / F of the controller ASIC and video bridge device ASIC.
		Replace the controller board
	[50A2]	Video bridge device (ASIC) register error
		The CPU detects the video bridge device, but detects error data from the video bridge device.
		Defective I/F between the video bridge device and the controller
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC822-00	D	Self-diagnostic error: HDD
		[xxxx]: Detailed error code
	[3003]	HDD timeout
		Check performed only when HDD is installed:
		<ul style="list-style-type: none"> HDD device busy for over 31sec. After a diagnostic command is set for the HDD, but the device remains busy for over 6sec.
	<ul style="list-style-type: none"> HDD defective HDD harness disconnected, defective Controller board defective 	

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace the HDD. • Replace the HDD connector. • Replace the controller board.
	[3004]	Diagnostic command error
		No response to the self-diagnostic command from the ASIC to the HDD.
		HDD defective
		Replace the HDD.
	[3013]	HDD timeout (first machine)
		HDD device busy for over 31 seconds.
		A diagnostic command is set for the HDD, but the device remains busy for over 6 seconds.
		<ul style="list-style-type: none"> • Defective HDD device • Defective HDD connector • Defective ASIC device
		<ul style="list-style-type: none"> • Replace or remove the HDD device. • Replace the HDD connector • Replace the controller board
	[3014]	Diagnostics command error (First machine)
		Result of the issuance of diagnostic command is error.
		Defective HDD device
		Replace the HDD device.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC823-00	B	Self-diagnostics error: NIC [XXXX]: Detailed error code
	[6101]	MAC address check sum error
		The result of the MAC address check sum does not match the check sum stored in ROM.
		<ul style="list-style-type: none"> • Defective SEEP ROM • Defective I2C bus (connection)
		Replace the controller board.
	[6104]	PHY IC error
		The PHY IC on the controller cannot be correctly recognized.
		<ul style="list-style-type: none"> • Defective PHY chip • Defective ASIC MII I/F
		Replace the controller board.
	[6105]	PHY IC loop-back error
		An error occurred during the loop-back test for the PHY IC on the controller.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> PHY chip Defective MAC of ASIC (SIMAC/COMIC/CELLO) Defective I/F with the PHY board Defective solder on the PHY board
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC824-00	C	Self-diagnostics error: NVRAM (resident) [XXXX]: Detailed error code
	[1401]	NVRAM verify error
		NVRAM device is missing or NVRAM device is damaged.
		<ul style="list-style-type: none"> The NVRAM device is missing. The NVRAM device is damaged. NVRAM backup battery exhausted NVRAM socket damaged
		Replace the NVRAM device.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC833-00	D	Self-diagnostic error: Engine I/F ASIC [XXXX]: Detailed error code
	[0F30]	Engine I/F ASIC detection error
		ASIC (Mandolin) for engine control could not be detected.
		ASIC (Mandolin) error
		Replace the Engine I/F board (mother board).
	[50B1]	Video device: clock generator detection error
		Could not initialize or read the bus connection.
		<ul style="list-style-type: none"> Defective connection bus Defective SSCG
		Replace the Engine I/F board (mother board).
	[50B2]	Video device: clock generator verify error
		Value of the SSCG register is incorrect.
		<ul style="list-style-type: none"> Defective connection bus Defective SSCG
Replace the Engine I/F board (mother board).		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC834-	D	Self-diagnostic error: Optional memory

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
00	[5101]	Engine I/F optional memory verify error
		An error occurs after write/verify check for optional RAM on the engine I/F board (mother board).
		Defective memory device
		Replace the Engine I/F board (mother board).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC835-00	B	Self-diagnostic error: Centronic device [xxxx]: Detailed error code
		[1102] Verify error The loopback connector is connected but check results is an error. <ul style="list-style-type: none"> • IEEE1284 connector error • Centronic loopback connector defective Replace the controller board.
	[110C]	DMA verify error The loopback connector is connected but check results is an error. <ul style="list-style-type: none"> • ASIC device error • IEEE1284 connector error • Centronic loopback connector is defective Replace the controller board.
		[1120] Loopback connector not detected Centronic loopback connector is not connected for detailed self-diagnostic test. <ul style="list-style-type: none"> • Centronic loopback connector not connected correctly • Centronic loopback connector is defective • ASIC device is defective <ul style="list-style-type: none"> • Connect the centronic loopback connector • Replace the centronic loopback connector • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC838-00	C	Self-diagnostic Error: Clock Generator [xxxx]: Detailed error code
		[2701] Verify error A verify error occurred when setting data was read from the clock generator via the I2C bus. <ul style="list-style-type: none"> • Defective clock generator • Defective I2C bus

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Defective I2C port on the CPU
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC839-00	D	Self-diagnostic Error: Serial Flash [xxxx]: Detailed error code
	[9001]	Serial Flash access error
		USB NAND Flash ROM cannot be read.
		Defective controller board
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC840-00	D	EEPROM access error
		<ul style="list-style-type: none"> During the I/O processing, a reading error occurred. The 3rd reading failure causes this SC code.
		<ul style="list-style-type: none"> During the I/O processing, a writing error occurred.
		<ul style="list-style-type: none"> Defective EEPROM
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC841-00	D	EEPROM read data error
		Mirrored data of the EEPROM is different from the original data in EEPROM.
		Data in the EEPROM is overwritten for some reason.
		-
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-00	C	Nand-Flash updating verification error
		SCS write error (verify error) occurred at the Nand-Flash module when remote ROM or main ROM was updated.
		Nand-Flash defective
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-01	C	Insufficient Nand-Flash blocks (threshold exceeded)
		At startup, or when machine returned from low power mode, the Nand-Flash status was read and judged that the number of unusable blocks had exceeded threshold, and then SCS generated the SC code.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Number of unusable blocks exceeded threshold for Nand-Flash
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-02	C	Number of Nand-Flash block deletions exceeded
		At startup, or when the machined returned from low power mode, the Nand-Flash was read and judged that the number of deleted blocks had exceeded threshold, and then SCS generated this SC code.
		Number of blocks deleted exceeded threshold for Nand-Flash
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC845		Hardware Error Detected when the automatic firmware update
SC845-01	D	Engine Board
SC845-02	D	Controller Board
SC845-03	D	Operation Panel (Normal)
SC845-04	D	Operation Panel (Smart Panel)
SC845-05	D	FCU
		When updating the firmware automatically (ARFU), the firmware cannot be read or written normally, and the firmware update cannot be completed even by 3 retries.
		Hardware abnormality of the target board
		Replace the target board
		For SC852-02, HDD and memory may cause the problem. Replace the HDD or memory if the SC cannot be recovered by replacing the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC855-01	B	Wireless LAN board error (driver attachment failure)
		Wireless LAN board error (wireless LAN card: 802.11 is covered)
		<ul style="list-style-type: none"> • Defective wireless LAN board • Loose connection
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the wireless LAN board

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC855-02	B	Wireless LAN board error (driver initialization failure)
		Wireless LAN board error (wireless LAN card: 802.11 is covered)
		<ul style="list-style-type: none"> Defective wireless LAN board Loose connection
		<ul style="list-style-type: none"> Turn the main power OFF/ON. Replace the wireless LAN board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC857-00	B	USB I/F Error
		The USB interface is unusable because of a driver error.
		USB driver error (There are three causes of USB error: RX error/CRC error/STALL. SC is issued only in the case of STALL.)
		<ul style="list-style-type: none"> Check the USB connection. Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-00	A	Data encryption conversion error (Key Setting Error)
		A serious error occurred during an attempt to update the encryption key.
		<ul style="list-style-type: none"> USB Flash, other data, corrupted Communication error caused by electrostatic noise Controller board defective
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-01	A	Data encryption conversion error (HDD Key Setting Error)
		A serious error occurred during an attempt to update the encryption key.
		<ul style="list-style-type: none"> USB Flash, other data, corrupted Communication error caused by electrostatic noise Controller board defective
		<ul style="list-style-type: none"> Turn the main power OFF/ON. If the error persists, replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-02	A	Data encryption conversion error (NVRAM Read/Write Error)
		A serious error occurred after data conversion during an attempt to update the encryption key.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		NVRAM defective
		<ul style="list-style-type: none"> • Replace the NVRAM. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-30	A	Data encryption conversion error (NVRAM Before Replace Error)
		A serious error occurred after data conversion during an attempt to update the encryption key.
		Software error such as conversion parameters being invalid.
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • If the error persists, replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-31	A	Data encryption conversion error (Other Error)
		A serious error occurred after data conversion during an attempt to update the encryption key.
		Controller board defective
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-00	B	Data encryption conversion HDD conversion error
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.
		<ul style="list-style-type: none"> • HDD conversion was set with the data encryption key update function, but the HDD was removed. • Machine lost power during data encryption key update • Electrostatic noise, or an HDD error occurred, during data encryption key update, and data was not encrypted.
		<ul style="list-style-type: none"> • Check the HDD connection. • Format the HDD (SP5-832: HDD formatting). • If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-01	B	Data encryption conversion HDD conversion error (HDD check error)
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		machine is cycled off/on.
		<ul style="list-style-type: none"> HDD conversion was set with the data encryption key update function, but the HDD was removed. Machine lost power during data encryption key update Electrostatic noise, or an HDD error occurred, during data encryption key update, and data was not encrypted.
		<ul style="list-style-type: none"> Check the HDD connection. Format the HDD (SP5-832: HDD formatting). If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-02	B	Data encryption conversion HDD conversion error (Power failure during conversion)
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.
		Details: NVRAM/HDD conversion is incomplete.
		Power failure occurred during encryption key update.
		None
		The display after restart instructs the user to format the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-10	B	Data encryption conversion HDD conversion error (Data read/write command error)
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.
		Details: Abnormal DMAC return value has been received two or more times (DMAC timeout, serial communication error etc.)
		HDD was not successfully converted during encryption key update due to HDD errors or cable noises.
		<ul style="list-style-type: none"> Check the HDD connection. Format the HDD (SP5-832: HDD formatting). If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC860-	B	HDD startup error at main power on (HDD error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
00		
		<ul style="list-style-type: none"> The HDD is connected but the driver detected the following errors. SS_NO.T_READY:/* (-2)HDD does not become READY*/ SS_BAD_LABEL:/* (-4)Wrong partition type*/ SS_READ_ERROR:/* (-5)Error occurred while reading or checking the label*/ SS_WRITE_ERROR:/* (-6)Error occurred while writing or checking the label*/ SS_FS_ERROR:/* (-7)Failed to repair the filesystem*/ SS_MOUNT_ERROR:/* (-8)Failed to mount the filesystem*/ SS_COMMAND_ERROR:/* (-9)Drive not responding to command*/ SS_KERNEL_ERROR:/* (-10)Internal kernel error*/ SS_SIZE_ERROR:/* (-11)Drive size too small*/ SS_NO_PARTITION:/* (-12)The specified partition does not exist*/ SS_NO_FILE:/* (-13)Device file does not exist*/ Attempted to acquire HDD status through the driver but there has been no response for 30 seconds or more.
		<ul style="list-style-type: none"> Unformatted HDD Label data corrupted HDD defective
		Format the HDD (SP5-832: HDD formatting) through SP mode.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC862-00	D	Number of the defective sector reaches the maximum count
		101 defective sectors are generated at the image storage area in the HDD.
		SC863 occurs during the HDD reading and defective sectors are registered up to 101.
		<ul style="list-style-type: none"> Format the HDD with SPSP5-832. Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-01	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in an area that does not belong to a partition, such as the disk label area.)
		Guide for when to replace the HDD
		1. When SC863 has occurred ten times or more <ul style="list-style-type: none"> The interval is short. Repeatedly occurs in the same situation (at power-on, etc.). Startup takes a long time when the main power is turned on.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>2. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-02 to 23	D	<p>HDD data read failure</p> <p>The data written to the HDD cannot be read normally.</p> <p>Bad sectors were generated during operation. (An error occurred in partition "a" (SC863-02) to partition "v" (SC863-23)).</p> <p>Guide for when to replace the HDD</p> <ol style="list-style-type: none"> When SC863 has occurred ten times or more <ul style="list-style-type: none"> The interval is short. Repeatedly occurs in the same situation (at power-on, etc.). Startup takes a long time when the main power is turned on. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-00	D	<p>HD data CRC error</p> <p>During HD operation, the HD cannot respond to a CRC error query. Data transfer did not execute normally while data was being written to the HD.</p> <p>HD defective</p> <p>-</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-01	D	<p>HDD data CRC error</p> <p>During HDD operation, the HDD cannot respond to a CRC error query. Data transfer did not execute normally while data was being written to the HDD.</p> <p>Bad sectors were generated during operation. (An error occurred in an area that does not belong to a partition, such as the disk label area.)</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Format the HDD. Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-02 to 23	D	<p>HDD data CRC error</p> <p>During HDD operation, the HDD cannot respond to a CRC error query. Data transfer did not execute normally while data was being written to the HDD.</p> <p>Bad sectors were generated during operation. (An error occurred in partition "a" (SC864-02) to partition "v" (SC864-23)).</p> <ul style="list-style-type: none"> Format the HDD. Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-00	D	<p>HD access error</p> <p>During HDD operation, the HDD returned an error.</p> <p>The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error).</p> <p>Replace the HDD.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-01	D	<p>HDD access error</p> <p>During HDD operation, the HDD returned an error.</p> <p>The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in an area that does not belong to a partition, such as the disk label area.)</p> <p>Replace the HDD.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-02 to 23	D	<p>HDD access error</p> <p>During HDD operation, the HDD returned an error.</p> <p>The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "a" (SC865-02) to partition "v" (SC865-23)).</p> <p>Replace the HDD.</p>

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-50 to 73	D	HDD time-out error
		The machine does not detect a reply from the HDD during the HDD operation.
		The HDD does not respond to the read/ write command from the machine.
		<ul style="list-style-type: none"> • Check the harness connections between the controller board and HDD. • Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC866-00	B	SD card authentication error
		A license error of an application that is started from the SD card was detected.
		Invalid program data is stored on the SD card.
		Store a valid program data on the SD card.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-00	C	SD card removed
		The SD card was removed while the machine is on.
		An application SD card has been removed from the slot (mount point of /mnt/sd0).
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-01	C	SD card removed
		The SD card was removed while the machine is on.
		An application SD card has been removed from the slot (mount point of /mnt/sd1).
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-02	C	SD card removed
		The SD card was removed while the machine is on.
		An application SD card has been removed from the slot (mount point of /mnt/sd2).
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC868- **		SD card access error
SC868- 00	D	The SD controller returned an error during operation. (An error occurred at the mount point of /mnt/sd0)
SC868- 01	D	The SD controller returned an error during operation. (An error occurred at the mount point of /mnt/sd1)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • SD card defective • SD controller defective
		<p>Slot number is displayed on the sub code.</p> <p>See the detail code on the SMC print to check the details of the error.</p> <ul style="list-style-type: none"> • -13 to -3: File system check error • Otherwise (no code, -2) : Device access error
		<p>SD card that starts an application</p> <ol style="list-style-type: none"> <u>1.</u> Turn the main power off and check the SD card insertion status. <u>2.</u> If no problem is found, insert the SD card and turn the main power on. <u>3.</u> If an error occurs, replace the SD card. <u>4.</u> If the error persists even after replacing the SD card, replace the controller board. <p>SD card for users</p> <ol style="list-style-type: none"> <u>1.</u> In the case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* <p>In case of a device access error</p> <ol style="list-style-type: none"> <u>1.</u> Turn the main power off and check the SD card insertion status. <u>2.</u> If no problem is found, insert the SD card and turn the main power on. <u>3.</u> If an error occurs, use another SD card. <u>4.</u> If the error persists even after replacing the SD card, replace the controller board.

* Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC869- **		Malfunction of the proximity sensor is detected
SC869- 01	C	Continuously detecting malfunction
		The proximity sensor keeps in a detection state and accumulated time exceeds 24 hours.
		The proximity sensor is disabled and is in the detection state at all times.
SC869- 02	C	Continuously non-detecting malfunction
		<p>In the non-detection state, the following operations are detected 20 times continuously.</p> <ul style="list-style-type: none"> • Pressing "energy saver" key or touching the operation panel • Opening/closing the plate cover or ADF • Setting the original • Opening the front cover • Opening the paper feed tray

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The proximity sensor is disabled and is in the non-detection state at all times.
		<ol style="list-style-type: none"> 1. Go to SP5-102-203 (input check SP for the proximity sensor). 2. Cover the proximity sensor with 10 sheets of plain paper, and then execute the SP to check if it becomes “0”. (Do not place your hand near the proximity sensor even over the paper when covering the sensor) 3. Remove the paper from the sensor and check if it becomes “1”. 4. If there is no issue after steps 2 and 3, check that there are no possible factors around the machine that may cause a temperature change such as a heater or fan. (Deal with the issue as necessary) 5. Replace the proximity sensors and proximity sensor board if the abnormal value is detected after steps 2 and 3. 6. Turn on the main power on and perform steps 1, 2, and 3 again. 7. If the SC is not resolved, turn the main power off and replace the harness which connects proximity sensors and proximity sensor board. 8. If the SC is still not resolved, there is a possibility that the other parts of the machine such as the connector at the controller side or the harness between proximity sensor board and BICU are broken.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-00	B	Address Book data error (Anytime: Address Book Error.) (The other errors except for the following branch numbers.)
SC870-01	B	Address Book data error (On startup: Media required for storing the Address Book is missing.)
SC870-02	B	Address Book data error (On startup: encryption is configured but the module required for encryption (DESS) is missing.)
SC870-03	B	Address Book data error (Initialization: Failed to generate a file to store internal Address Book.)
SC870-04	B	Address Book data error (Initialization: Failed to generate a file to store delivery sender.)
SC870-05	B	Address Book data error (Initialization: Failed to generate a file to store delivery destination.)
SC870-06	B	Address Book data error (Initialization: Failed to generate a file to store information required for LDAP search.)
SC870-07	B	Address Book data error (Initialization: Failed to initialize entries required for machine operation.)
SC870-08	B	Address Book data error (Machine configuration: HDD is present but the space for storing the Address Book is unusable.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-09	B	Address Book data error (Machine configuration: Inconsistency in the NVRAM area used for storing settings required for Address Book configuration.)
SC870-10	B	Address Book data error (Machine configuration: Cannot make a directory for storing the Address Book in the SD/USB Flash ROM.)
SC870-11	B	Address Book data error (On startup: Inconsistency in Address Book entry number.)
SC870-20	B	Address Book data error (File I/O: Failed to initialize file.)
SC870-21	B	Address Book data error (File I/O: Failed to generate file.)
SC870-22	B	Address Book data error (File I/O: Failed to open file.)
SC870-23	B	Address Book data error (File I/O: Failed to write to file.)
SC870-24	B	Address Book data error (File I/O: Failed to read file.)
SC870-25	B	Address Book data error (File I/O: Failed to check file size.)
SC870-26	B	Address Book data error (File I/O: Failed to delete data.)
SC870-27	B	Address Book data error (File I/O: Failed to add data.)
SC870-30	B	Address Book data error (Search: Failed to obtain data from cache when searching in the machine Address Book. delivery destination/sender.)
SC870-31	B	Address Book data error (Search: Failed to obtain data from cache during LDAP search.)
SC870-32	B	Address Book data error (Search: Failed to obtain data from cache while searching the WS-Scanner Address Book.)
SC870-41	B	Address Book data error (Cache: failed to obtain data from cache.)
SC870-50	B	Address Book data error (On startup: Detected abnormality of the Address Book encryption status.)
SC870-51	B	Address Book data error (Encryption settings: Failed to create directory required for conversion between plaintext and encrypted text.)
SC870-52	B	Address Book data error (Encryption settings: Failed to convert from plaintext to encrypted text.)
SC870-	B	Address Book data error (Encryption settings: Failed to convert from encrypted text to

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
53		plaintext.)
SC870-54	B	Address Book data error (Encryption settings: Detected data inconsistency when reading the encrypted Address Book.)
SC870-55	B	Address Book data error (Encryption settings: Failed to delete file when changing encryption setting.)
SC870-56	B	Address Book data error (Encryption settings: Failed to erase the file that records the encryption key during an attempt to change the encryption setting.)
SC870-57	B	Address Book data error (Encryption settings: Failed to move a file during an attempt to change the encryption setting.)
SC870-58	B	Address Book data error (Encryption settings: Failed to delete a directory during an attempt to change the encryption setting.)
SC870-59	B	Address Book data error (Encryption settings: Detected a resource shortage during an attempt to change the encryption setting.)
SC870-60	B	Address Book data error (Unable to obtain the on/off setting for administrator authentication (06A and later).)
		<p>When an error related to the Address Book is detected during startup or operation.</p> <ul style="list-style-type: none"> • Software bug • Inconsistency of Address Book source location (machine/delivery server/LDAP server) • Inconsistency of Address Book encryption setting or encryption key (NVRAM or HDD was replaced individually without formatting the Address Book) • Address Book storage device (SD/HDD) was temporarily removed or hardware configuration does not match the application configuration. • Address Book data corruption was detected. <p>Install the device that contains address book information properly, and turn the main power off/on. If SC occurs again, do the following steps.</p> <ol style="list-style-type: none"> 1. After installing the HDD, or SD/USB ROM, execute SP5-846-046 (UCS Setting). Wait more than 3 seconds, then execute SP5-832 (HDD Formatting). 1. Turn the main power OFF/ON. <p>Procedure after SC870 is cleared</p> <ol style="list-style-type: none"> 1. If there is backup data in the SD card or Web Image Monitor, restore the address book data. (To restore from an SD card, enter the encryption password which is the same as when you enter to backup.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC871-00	D	FCU error
		An error occurred when FCS detects FCU defective.
		<ul style="list-style-type: none"> • Time-out error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Abnormal Parameter
		<ul style="list-style-type: none"> Turn the main power OFF/ON. Update the firmware if more recent firmware was released.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC872-00	B	HDD mail reception error
		An error was detected on the HDD immediately after the machine was turned on.
		<ul style="list-style-type: none"> HDD defective Power was turned off while the machine used the HDD.
		<ul style="list-style-type: none"> Format the HDD (SP5-832-007: HDD Formatting: Mail RX Data). Replace the HDD. <p>When you do the above, the following information will be initialized.</p> <ul style="list-style-type: none"> Partly received partial mail messages. Already-read statuses of POP3-received messages (All messages on the mail server are handled as new messages).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC873-00	B	HDD mail sending error
		An error was detected on the HDD immediately after the machine was turned on.
		<ul style="list-style-type: none"> HDD defective Power was turned off while the machine used the HDD.
		<ul style="list-style-type: none"> Format the HDD (SP5-832-007: HDD Formatting: Mail RX Data). Replace the HDD. <p>When you do the above, the following information will be initialized.</p> <ul style="list-style-type: none"> Sender's mail text Default sender name/password (SMB/FTP/NCP) Administrator mail address Scanner delivery history

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC874-05	D	Delete all error (Delete data area) : Read error
SC874-06	D	Delete all error (Delete data area) : Write error
SC874-09	D	Delete all error (Delete data area) : No response from HDD
SC874-10	D	Delete all error (Delete data area) : Error in Kernel
SC874-12	D	Delete all error (Delete data area) : No designated partition
SC874-13	D	Delete all error (Delete data area) : No device file
SC874-14	D	Delete all error (Delete data area) : Start option error

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC874-15	D	Delete all error (Delete data area) : No designated sector number
SC874-16	D	Delete all error (Delete data area) : failure in performing hdderase
SC874-41	D	Delete all error (Delete data area) : Other fatal errors
SC874-42	D	Delete all error (Delete data area) : End by cancellation
SC874-61 to -65	D	Delete all error (Delete data area) : library error
SC874-66	D	Delete all error (Delete data area) : Unavailable
SC874-67	D	Delete all error (Delete data area) : Erasing not finished
SC874-68	D	Delete all error (Delete data area) : HDD format failure (Normal)
SC874-69	D	Delete all error (Delete data area) : HDD format failure (Abnormal)
SC874-70	D	Delete all error (Delete data area) : Unauthorized library
SC874-99	D	Delete all error (Delete data area) : other errors
		An error occurred while data was being erased on HDD or NVRAM.
		<ul style="list-style-type: none"> • Error detected in the HDD data delete program • Error detected in the NVRAM data delete program • The "Delete All" option was not set
		<ul style="list-style-type: none"> • Turn the main power switch off and back on, and then execute "Erase All Memory" under UP mode again. (However, if there is a defective sector or other problem with the hard disk, the error will persist even after trying the above.)
		<ul style="list-style-type: none"> • If the "Delete All" option is not installed when this error occurs, install the option.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC875-01	D	Delete all error (HDD erasure) (hddchack -i error)
SC875-02	D	Delete all error (HDD erasure) (Data deletion failure)
		An error was detected before HDD/data erasure starts. (Failed to erase data/failed to logically format HDD)
		<ul style="list-style-type: none"> • HDD logical formatting failed. • The modules failed to erase data.
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-00	D	Log Data Error
		An error was detected in the handling of the log data at power on or during machine operation.
		<ul style="list-style-type: none"> • Damaged log data file.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Log encryption is enabled but encryption module is not installed. Inconsistency of encryption key between NV-RAM and HDD. Software bug.
		<p>Try the SC876-01 to -99 solutions listed below. If it is not solved, do the following steps (for when only an HDD is replaced):</p> <ol style="list-style-type: none"> 1. Disconnect the HDD and turn ON the main power. 2. Execute SP5-801-019 (Memory Clear: LCS Memory Clr) to Initialize the LCS settings. 3. Turn OFF the main power. 4. Connect the HDD and turn ON the main power. 5. Execute SP5-832-004 (HDD Formatting (Job Log)). 6. Turn OFF the main power. <p>The following step is to configure the logging/encryption setting again.</p> <ol style="list-style-type: none"> 7. Turn ON the main power.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-01	D	Log Data Error 1
		An error was detected in the handling of the log data at power on or during machine operation.
		Damaged log data file
		Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-02	D	Log Data Error 2
		An error was detected in the handling of the log data at power on or during machine operation.
		Log encryption is enabled but encryption module is not installed.
		<ul style="list-style-type: none"> Replace or set again the encryption module. Disable the log encryption setting.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-03	D	Log Data Error 3
		An error was detected in the handling of the log data at power on or during machine operation.
		Inconsistency of encryption key between NV-RAM and HDD.
		<ul style="list-style-type: none"> Disable the log encryption setting. Initialize LCS memory (SP5801-019).

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-04	D	Log Data Error 4
		An error was detected in the handling of the log data at power on or during machine operation.
		<ul style="list-style-type: none"> Log encryption key is disabled but the log data file is encrypted. (NVRAM data corruption) Log encryption key is enabled but the log data file is not encrypted. (NVRAM data corruption)
		Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-05	D	Log Data Error 5
		An error was detected in the handling of the log data at power on or during machine operation.
		<ul style="list-style-type: none"> Only the NV-RAM has been replaced with one previously used in another machine. Only the HDD has been replaced with one previously used in another machine.
		<ul style="list-style-type: none"> Attach the original NV-RAM. Attach the original HDD. With the configuration that caused the SC, initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-99	D	Log Data Error 99
		An error was detected in the handling of the log data at power on or during machine operation.
		Other causes
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-00	D	TPM authentication error
		TPM electronic recognition failure
		<ul style="list-style-type: none"> Update of system module attempted without correct update path USB flash memory not operating correctly
		Replace the controller board.

Trusted Platform Module

- In computing, Trusted Platform Module (TPM) is both the name of a published specification detailing a

secure crypto processor that can store cryptographic keys that protect information, as well as the general name of implementations of that specification often called the "TPM chip" or "TPM Security Device" (as designated in certain Dell BIOS settings).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-01	D	USB flash error
		There is a problem in the file system of the USB flash memory.
		USB Flash system files corrupted
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-02	D	TPM error
		An error occurred in either TPM or the TPM driver
		TPM not operating correctly
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-03	D	TCSD error
		An error occurred in the TPM software stack.
		<ul style="list-style-type: none"> • TPM, TPM software cannot start • A file required by TPM is missing
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-20	D	Random number test error
		An error was detected when a random number table was generated during a self-test.
		TPM is defective
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the controller board if the SC occurs again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-21	D	DESS self-test error
		The power-on self-test for TPM failed at startup when the controller encryption software was tested.
		TPM firmware or CPU is defective
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Replace the controller board.

6. Troubleshooting

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC880-00	D	MLB error
		Reply to MLB access was not returned within a specified time.
		MLB defective
		<ul style="list-style-type: none"> • Replace the MLB. • Remove the MLB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC881-01	D	Management area error
		<ul style="list-style-type: none"> • A problem was detected in the software • This error may even occur is an IC card option is not installed.
		<ul style="list-style-type: none"> • This is caused by accumulation of abnormal authentication information in the software. (User operation will not directly cause it.) • At login Example: When a job is sent to the printer/when logged on from the operation panel/when logged on from a Web browser
		Turn the main power OFF/ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC899-00	D	Software performance error (signal reception end)
		Unknown software error occurred.
		Occurs when an internal program behaves abnormally.
		In the case of a hardware defect <ul style="list-style-type: none"> • Replace the hardware. In the case of a software error <ul style="list-style-type: none"> • Turn the main power OFF/ON. • Try updating the firmware.

SC900 (Controller)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC900-00	A	Electric counter error
		The electric total counter value is out of specification. Error is detected when increasing the total counter.
		<ul style="list-style-type: none"> • Unexpected NV-RAM is attached. • NV-RAM defective • NV-RAM data corrupted. • Data written to unexpected area because of external factor etc. • The count requested by the SRM on receiving PRT is not completed.
		Replace the NV-RAM.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC910-01	C	External controller error 1
SC910-02	C	External controller error 2
SC910-03	C	External controller error 3
		<p>-01 The external controller receives the unexpected command from the engine side.</p> <p>-02 The external controller wrongly receives the command from the engine side.</p> <p>-03 The external controller receives the engine status out of specification.</p> <p>Refer to the instructions for the external controller</p> <p>Turn the main power OFF/ON.</p>

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC910-10	C	External controller error 1
		The external controller error is detected due to other reason shown in SC910-01 to -03.
		Refer to the instructions for the external controller
		Turn the main power OFF/ON.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC919-00	D	External controller down
		While EAC (External Application Converter), the conversion module, was operating normally, the receipt of a power line interrupt signal from the FLUTE serial driver was detected, of BREAK signal from the other station was detected.
		External controller and the machine had been operating correctly (*) but the external controller was turned off or rebooted, or the video bus was disconnected.

6.Troubleshooting

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
		* Printing or scanning using the external controller.
		Turn the main power OFF/ON.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC925-00	B	NetFile function error
SC925-01	B	NetFile function error
		<p>The NetFile file management on the HDD cannot be used, or a NetFile management file is corrupted and operation cannot continue.</p> <ul style="list-style-type: none"> • HDD defective • HDD inconsistency caused by power failure during HDD access, etc. • Software bug <p>If another SC related to HDD errors (SC860 to SC865) is issued at the same time, the HDD is the cause. Solve the other SC.</p> <ul style="list-style-type: none"> • If SC860 to SC865 is not issued <ul style="list-style-type: none"> • Turn the main power off/on. • If this does not work, initialize the HDD NetFile partition (SP5-832-011: HDD Formatting (Ridoc I/F)). Approval by the customer is required because received fax messages waiting to be delivered and documents waiting to be captured will be lost. Procedure: <ol style="list-style-type: none"> 1. Go into the User Tools mode and do "Delivery Settings" to print all received fax documents that are scheduled for delivery. Then erase them. 2. In the User Tools mode, do Document Management> Batch Delete Transfer Documents. 3. Do SP5-832-011, then turn the machine power off and on. <ul style="list-style-type: none"> • If this does not solve the problem, initialize all partitions of the HDD (SP5-832-001: HDD Formatting (ALL)), then turn the machine power off and on. <p>Approval by the customer is required because documents and Address Book information in the HDD will be lost. Received fax messages stored are protected but the order may be changed.</p> <ul style="list-style-type: none"> • If this does not solve the problem, replace the HDD.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC990-00	D	Software operation error
		Software attempted an unexpected operation.
		<ul style="list-style-type: none"> • Parameter error

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Internal parameter error Insufficient work memory Operation error caused by abnormalities that are normally undetectable.
		<ul style="list-style-type: none"> Turn the main power off/on. Reinstall the software of the controller and BICU.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC991-00	C	Recoverable software operation error
		Software attempted an unexpected operation.
		SC991 covers recoverable errors as opposed to CS990.
		<ul style="list-style-type: none"> Parameter error Internal parameter error Insufficient work memory Operation error caused by abnormalities that are normally undetectable.
		Logging only

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC992-00	D	Undefined SC issued.
		An SC, that is not controlled by the system, occurred.
		<ul style="list-style-type: none"> An SC for the previous model was used mistakenly, etc. Basically a software bug.
		Turn the main power OFF/ON.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC994-00	C	Operation error caused by abnormalities that are normally undetectable.
		An error occurred because the number of records exceeded the limit for images managed in the service layer of the firmware.
		This can occur if there are too many application screens open on the operation panel.
		Logging only.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC997-00	D	Application function selection error
		The application selected by the operation panel key operated abnormally (No response, abnormal ending).
		Software bug (mainly the application)
		<ul style="list-style-type: none"> Check the optional RAM, DIMM, boards required by the application program. Check if the combination of downloaded programs are correct.

6. Troubleshooting

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC998-00	D	Application start error
		<ul style="list-style-type: none"> • No application was registered to system within a specified time after the main power was turned on. (No application starts/All applications have been terminated abnormally) • Application started but cannot be drawn now for some reason.
		<ul style="list-style-type: none"> • Software bug (mainly the application) • The optional RAM, DIMM, boards required by the application program. Are not installed correctly.
		<ul style="list-style-type: none"> • Turn the main power OFF/ON. • Check the optional RAM, DIMM, boards. • Check the combination of programs. • Replace the controller board.

SC900 (Engine: Others)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-01	D	CPM setting error 1
		Comparison of machine serial number (11 digits) and machine identification code. Details:
		<ul style="list-style-type: none"> Machine serial number cannot be identified because of BICU replacement or malfunctioning. Machine serial number cannot be identified because of NV-RAM replacement
		The machine serial number (11 digits) or machine identification code does not match.
		<ul style="list-style-type: none"> Enter the machine serial number using SP5-811, and then turn the power on/off. Attach the NV-RAM that was installed previously.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-02	D	CPM setting error 2
		Comparison of machine serial number (11 digits) and machine identification code. Details:
		Machine serial number cannot be identified because of NV-RAM replacement or malfunctioning.
		The machine serial number (11 digits) or machine identification code does not match.
		<ul style="list-style-type: none"> Attach the NV-RAM that was installed previously. Download data on the NV-RAM using SP5-825.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-03	D	CPM setting error 3
		Comparison of machine serial number (11 digits) and machine identification code. Details:
		Unable to recognize machine identification code because the controller was replaced incorrectly or is malfunctioning.
		The machine serial number (11 digits) or machine identification code does not match.
		Replace it with a specified controller.

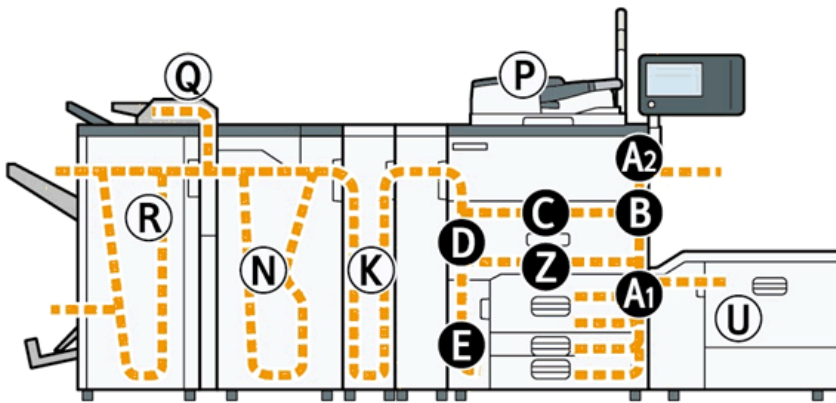
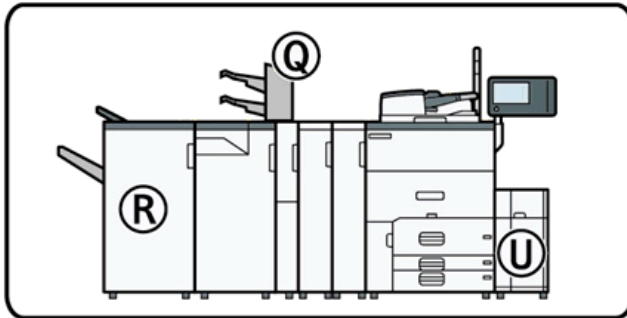
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-04	D	CPM setting error 4
		Comparison of machine serial number (11 digits) and machine identification code.
		The machine serial number (11 digits) or machine identification code does not match.
		Return the parts to the original configuration, and then replace them according to the manual.

Jam Detection

Jam Displays

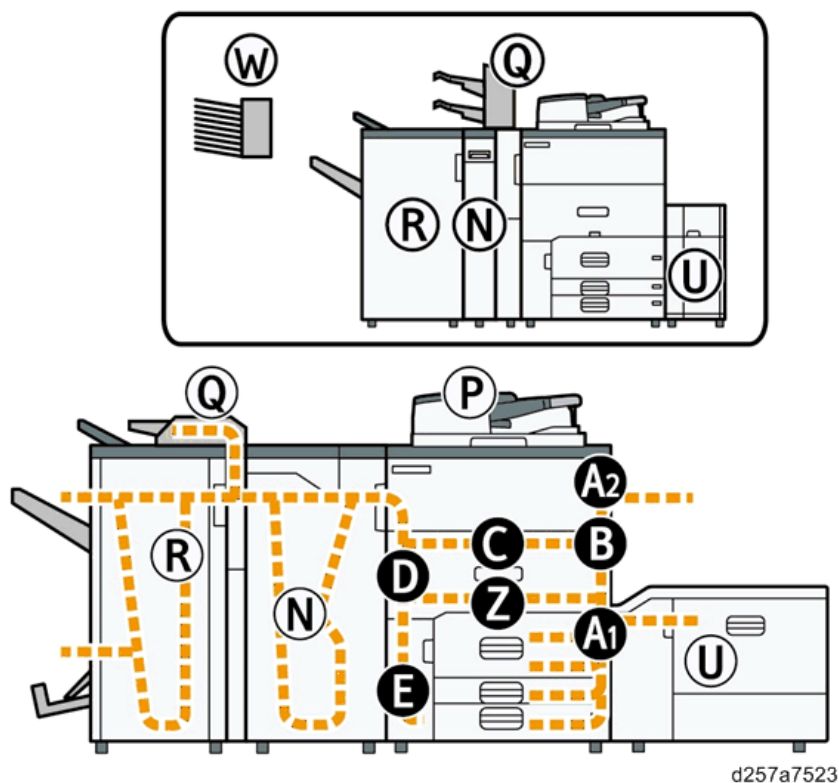
When a jam occurs, the location is displayed on the operation panel.

Pro C5200S/C5210S



d257a7524

MP C6503/C8003



Removing Jammed Paper

See the decals on the machine for how to remove jammed paper.

Printer Engine Jam History

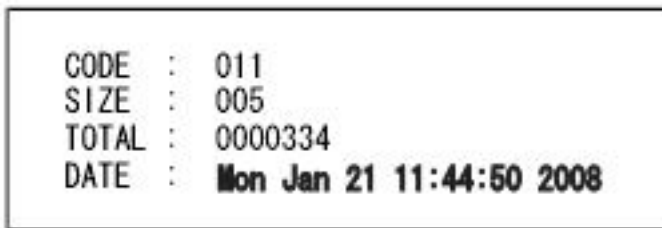
How to check

Plotter Jam History can be displayed using SP7-507.

- SP7-507-001 Plotter Jam History Latest
- SP7-507-002 Plotter Jam History Latest 1
- SP7-507-003 Plotter Jam History Latest 2
- SP7-507-004 Plotter Jam History Latest 3
- SP7-507-005 Plotter Jam History Latest 4
- SP7-507-006 Plotter Jam History Latest 5
- SP7-507-007 Plotter Jam History Latest 6
- SP7-507-008 Plotter Jam History Latest 7
- SP7-507-009 Plotter Jam History Latest 8
- SP7-507-010 Plotter Jam History Latest 9

6. Troubleshooting

Display



- CODE: Displays the jam code.
- SIZE: Displays the paper size code.
- TOTAL: Displays the total number of printer jams (SP7-502-001).
- DATE: Displays the date and time the jam occurred.

Note

- The 10 latest printer jams are displayed.
- Initial jams are not recorded.

Jam Codes and Position Codes

Note

- Jam code: Shows the cause of a jam. Appears in the log data.
- Position code: Shows the location of a jam. Appears on the operation panel.

These are lists of jam codes for the main machine and peripheral devices. Please note:

- **Late jam.** The paper has failed to arrive within the prescribed time due to a jam that has occurred upstream of the referenced sensor.
- **Lag jam.** The paper has failed to leave the location of the referenced sensor within the prescribed time due to a jam downstream of the referenced sensor.

ADF

Jam code	Jam description	Position code
13	Separation Sensor: Late Jam	P1
63	Separation Sensor: Lag Jam	P1
14	Skew Correction Sensor: Late Jam	P1
64	Skew Correction Sensor: Lag Jam	P1
15	Interval Sensor: Late Jam	P1
65	Interval Set Sensor: Lag Jam	P1
16	Original Registration Sensor: Late Jam	P2
66	Original Registration Sensor: Lag Jam	P2
17	Original Exit Sensor: Late Jam	P2
67	Original Exit Sensor: Lag Jam	P2
239	Misfeed: Original Removed	P1
1	Initial jam	P1

Jam code	Jam description	Position code
1	Overload jam	P1

Main Machine

Jam code	Jam description	Position code
1	Bypass Paper Feed Sensor	A2
1	1st Tray Transport Sensor	A1
1	Vertical Transport Sensor	A1
1	2nd Tray Transport Sensor	A1
1	3rd Tray Transport Sensor	A1
1	Relay Sensor	B
1	Registration Sensor	B
1	Paper Transport Belt Unit Set Sensor	D1
1	Fusing Entrance Sensor	D2
1	Fusing Paper Feed Sensor	D2
1	Inverter Feed-in Sensor	E
1	Inverter Exit Sensor	E
1	Purge Relay Sensor	E
1	Inverter Feed-out Sensor	E
1	Paper Exit Relay Sensor	E
1	Paper Exit Sensor	E
1	Duplex Invert Sensor	E
1	Duplex Unit Entrance Sensor	Z
1	Duplex Unit Sensor 3	Z
1	Duplex Unit Sensor 4	Z
1	Duplex Exit Sensor	Z
1	Purged Paper Sensor	E
3	Tray 1 No Feed	A1
5	Tray 2 No Feed	A1
6	Tray 3 No Feed	A1
8	Bypass Tray No Feed	A2
9	Duplex No Feed	Z
10	1st Tray Transport Sensor: Late Jam	A1
12	Vertical Transport Sensor: Late Jam	A1
13	2nd Tray Transport Sensor: Late Jam	A1
14	3rd Tray Transport Sensor: Late Jam	A1
18	Relay Sensor: Late Jam	B

6. Troubleshooting

Jam code	Jam description	Position code
19	Registration Sensor: Late Jam	B
22	Paper Transport Belt Unit Set Sensor: Late Jam	D1
24	Fusing Paper Feed Sensor: Late Jam	D2
25	Inverter Feed-in Sensor: Late Jam	E
26	Inverter Exit Sensor: Late Jam	E
28	Inverter Feed-out Sensor: Late Jam	E
29	Paper Exit Relay Sensor: Late Jam	E
30	Paper Exit Sensor: Late Jam	E
31	Duplex Invert Sensor: Late Jam	E
33	Duplex Unit Entrance Sensor: Late Jam	Z
36	Duplex Unit Sensor 3: Late Jam	Z
37	Duplex Unit Sensor 4: Late Jam	Z
38	Duplex Exit Sensor: Late Jam	Z
58	Bypass Paper Feed Sensor: Lag Jam	A2
60	1st Tray Transport Sensor: Lag Jam	A1
62	Vertical Transport Sensor: Lag Jam	A1
63	2nd Tray Transport Sensor: Lag Jam	A1
64	3rd Tray Transport Sensor: Lag Jam	A1
68	Relay Sensor: Lag Jam	B
69	Registration Sensor: Lag Jam	B
72	Paper Transport Belt Unit Set Sensor	D1
75	Inverter Feed-in Sensor: Lag Jam	E
76	Inverter Exit Sensor: Lag Jam	E
78	Inverter Feed-out Sensor: Lag Jam	E
79	Paper Exit Relay Sensor: Lag Jam	E
80	Paper Exit Sensor: Lag Jam	E
81	Duplex Invert Sensor: Lag Jam	E
83	Duplex Unit Entrance Sensor: Lag Jam	Z
86	Duplex Unit Sensor 3: Lag Jam	Z
87	Duplex Unit Sensor 4: Lag Jam	Z
88	Duplex Exit Sensor: Lag Jam	Z
95	Multi feed (front) detected	B
96	Timing lost	Only the location of remaining paper is displayed.
97	Shift over	Z
98	Paper thickness error	B

Jam code	Jam description	Position code
99	Multi feed (back) detected	B

LCIT RT4020 (D709)

Jam code	Jam description	Position code
1	Paper Feed Sensor	U2 to U3
1	Paper Transport Sensor	U2 to U3
7	LCIT No Feed	U1
17	Paper Transport Sensor: Late Jam	U1
57	Paper Feed Sensor: Lag Jam	U2 to U3
67	Paper Transport Sensor: Lag Jam	U2 to U3

LCIT RT4050 (D710)

Jam code	Jam description	Position code
1	LCIT Feed Sensor	U2 to U3
1	LCIT Transport Sensor	U4
1	LCIT Exit Sensor	U4
1	Relay Sensor	U4
7	LCIT No Feed	U4
15	LCIT Transport Sensor: Late Jam	U4
16	LCIT Exit Sensor: Late Jam	U4
17	Relay Sensor: Late Jam	U4
57	LCIT Feed Sensor: Lag Jam	U2 to U3
65	LCIT Transport Sensor: Lag Jam	U4
66	LCIT Exit Sensor: Lag Jam	U4
67	Relay Sensor: Lag Jam	U4

Finisher SR4120 (D3CG)

Jam code	Jam description	Position code
1	Entrance SN	R1 to R5
1	Horizontal Transport SN	R1 to R5
1	Switchback Transport SN	R1 to R5
1	Proof Tray Exit SN	R1 to R5
1	Shift Tray Exit SN	R1 to R5
150	Entrance SN: Late	R1 to R5
151	Entrance SN: Lag	R1 to R5
152	Horizontal Transport SN: Late	R1 to R5
153	Horizontal Transport SN: Lag	R1 to R5

6.Troubleshooting

Jam code	Jam description	Position code
154	Switchback Transport SN: Late	R1 to R5
155	Switchback Transport SN: Lag	R1 to R5
156	Proof Tray Exit SN: Late	R1 to R5
157	Proof Tray Exit SN: Lag	R1 to R5
158	Shift Tray Exit SN: Late	R1 to R5
159	Shift Tray Exit SN: Lag	R1 to R5
162	Entrance Motor Jam	R1 to R5
163	Horizontal Transport Motor Jam	R1 to R5
164	Pre-stack Transport Motor Jam	R1 to R5
165	Relay Transport Motor Jam	R1 to R5
166	Exit Motor Jam	R1 to R5
167	Trailing Edge Press Motor Jam	R1 to R5
168	Paper Exit Guide Plate Jam	R1 to R5
169	Punch Motor Jam	R1 to R5
170	Punch Movement Motor Jam	R1 to R5
171	Paper Position Movement Motor Jam	R1 to R5
172	Lower Junction Gate Motor Jam	R1 to R5
173	Jogger Motor Jam	R1 to R5
174	Positioning Roller Drive Motor Jam	R1 to R5
175	Stack Feed-out Motor Jam	R1 to R5
176	Booklet Stapler Movement Motor Jam	R1 to R5
177	Booklet Stapler Motor Jam	R1 to R5
185	Tray Lift Motor Jam	R1 to R5
186	Shift Motor Jam	R1 to R5
187	Shift Jogger Front Motor Jam	R1 to R5
188	Shift Jogger Rear Motor Jam	R1 to R5
189	Shift Tray Jogger Retraction Motor Jam	R1 to R5
190	Drag Roller Motor Jam	R1 to R5
191	Leading Edge Guide Motor Jam	R1 to R5
192	Positioning Roller Driver Motor Jam	R1 to R5
193	Paper Guide Motor Jam	R1 to R5
194	Main Machine Command Error Jam	R1 to R5

Booklet Finisher SR4130 (D3CH)

Jam code	Jam description	Position code
1	Entrance SN	R1 to R5
1	Horizontal Transport SN	R1 to R5

Jam code	Jam description	Position code
1	Switchback Transport SN	R1 to R5
1	Proof Tray Exit SN	R1 to R5
1	Shift Tray Exit SN	R1 to R5
1	Booklet Exit SN	R6 to R11
150	Entrance SN: Late	R1 to R5
151	Entrance SN: Lag	R1 to R5
152	Horizontal Transport SN: Late	R1 to R5
153	Horizontal Transport SN: Lag	R1 to R5
154	Switchback Transport SN: Late	R1 to 5
155	Switchback Transport SN: Lag	R1 to 5
156	Proof Tray Exit SN: Late	R1 to 5
157	Proof Tray Exit SN: Lag	R1 to 5
158	Shift Tray Exit SN: Late	R1 to 5
159	Shift Tray Exit SN: Lag	R1 to 5
160	Booklet Exit SN: Late	R6 to R11
161	Booklet Exit SN: Lag	R6 to R11
162	Entrance Motor Jam	R1 to R5
163	Horizontal Transport Motor Jam	R1 to R5
164	Pre-stack Transport Motor Jam	R1 to R5
165	Relay Transport Motor Jam	R1 to R5
166	Exit Motor Jam	R1 to R5
167	Trailing Edge Press Motor Jam	R1 to R5
168	Paper Exit Guide Plate Jam	R1 to R5
169	Punch Motor Jam	R1 to R5
170	Punch Movement Motor Jam	R1 to R5
171	Paper Position Movement Motor Jam	R1 to R5
172	Lower Junction Gate Motor Jam	R1 to R5
173	Jogger Motor Jam	R1 to R5
174	Positioning Roller Drive Motor Jam	R1 to R5
175	Stack Feed-out Motor Jam	R1 to R5
176	Booklet Stapler Movement Motor Jam	R1 to R5
177	Booklet Stapler Motor Jam	R1 to R5
178	Booklet Jogger Motor Jam	R6 to R11
179	Booklet Jogger Pawl Movement Motor Jam	R6 to R11
180	Booklet Bottom Fence Motor Jam	R6 to R11
181	Booklet Stapler Motor Jam	R6 to R11
182	Dynamic Roller Motor Jam	R6 to R11

6. Troubleshooting

Jam code	Jam description	Position code
183	Fold Transport Motor Jam	R6 to R11
184	Square Fold Motor Jam	R6 to R11
185	Tray Lift Motor Jam	R1 to R5
186	Shift Motor Jam	R1 to R5
187	Front Shift Jogger Motor Jam	R1 to R5
188	Rear Shift Jogger Motor Jam	R1 to R5
189	Shift Jogger Retraction Motor Jam	R1 to R5
190	Drag Roller Motor Jam	R1 to R5
191	Leading Edge Guide Motor Jam	R1 to R5
192	Position Roller Motor Jam	R1 to R5
193	Paper Guide Motor Jam	R1 to R5
194	Main Machine Command Error Jam	R1 to R5

Finisher SR4110 (D707) (MP C6503/C8003 only)

Jam code	Jam description	Position code
1	Entrance Sensor	R1 to R3
1	Proof Tray Exit Sensor	R1 to R3
1	Shift Tray Exit Sensor	R1 to R3
1	Stapler Exit Sensor	R4 to R8
1	Pre-Stack Sensor	R4 to R8
100	Entrance: Late Jam	R1 to R3
101	Entrance: Lag Jam	R1 to R3
102	Proof Tray Exit: Late Jam	R1 to R3
103	Proof Tray Exit: Lag Jam	R1 to R3
104	Shift Tray Exit: Late Jam	R1 to R3
105	Shift Tray Exit: Lag Jam	R1 to R3
106	Stapler Exit: Late Jam	R4 to R8
107	Stapler Exit: Lag Jam	R4 to R8
108	Pre-stack Tray: Late Jam	R4 to R8
109	Pre-Stack Tray: Lag Jam	R4 to R8
110	Output Jam	R4 to R8
111	Drive Mechanism Jam	R1 to R3
112	Tray Lift Motor Jam	R1 to R3
113	Jogger Motor Jam	R4 to R8
114	Shift Motor Jam	R1 to R3
115	Stapling Motor Jam	R8 to R10
116	Output Motor Jam	R4 to R8

Jam code	Jam description	Position code
117	Punch Motor Jam	R1 to R3
118	Z-Fold Motor Jam	R4 to R8
119	Pre-Stack Drive Mechanism Jam	R4 to R8
120	Main Machine Data Corrupt	R1 to R3

Finisher SR5070 (D3CB) / Booklet Finisher SR5080 (D3CA) (Pro C5200S/C5210S only)

Jam code	Jam description	Position code
1	Entrance Sensor	Rb1 to Rb5
1	Proof Tray Exit Sensor	Rb1 to Rb5
1	Shift Tray Exit Sensor	Rb1 to Rb5
1	Stapler Tray Exit Sensor	Rb10 to Rb17
1	Pre-stack Sensor	Rb6 to Rb9
1	Feed-out Belt Sensor	Rb10 to Rb17
1	Fold Unit Entrance Sensor	Rb10 to Rb17
1	Booklet Stapler Exit Sensor	Rb10 to Rb17
450	Entrance Sensor: Late Jam	Rb1 to Rb5
451	Entrance Sensor: Lag Jam	Rb1 to Rb5
452	Proof Tray Exit Sensor: Late Jam	Rb1 to Rb5
453	Proof Tray Exit Sensor: Lag Jam	Rb1 to Rb5
454	Shift Tray Exit Sensor: Late Jam	Rb1 to Rb5
455	Shift Tray Exit Sensor: Lag Jam	Rb1 to Rb5
456	Stapler Tray Exit Sensor: Late Jam	Rb6 to Rb9
457	Stapler Tray Exit Sensor: Lag Jam	Rb10 to Rb17
458	Pre-stack Sensor: Late Jam	Rb6 to Rb9
459	Pre-stack Sensor: Lag Jam	Rb6 to Rb9
460	Feed-out Belt Sensor	Rb10 to Rb17
461	Fold Unit Entrance Sensor: Late Jam	Rb10 to Rb17
462	Fold Unit Entrance Sensor: Lag Jam	Rb10 to Rb17
463	Booklet Stapler Exit Sensor: Late Jam	Rb10 to Rb17
464	Booklet Stapler Exit Sensor: Lag Jam	Rb10 to Rb17
465	Paper Transport Jam	Rb1 to Rb5
466	Tray Lift Jam	Rb1 to Rb5
467	Jogger Fence Jam	Rb10 to Rb17
468	Shift Operation Jam	Rb1 to Rb5
469	Stapling Jam	Rb10 to Rb17
470	Feed-out Belt Operation	Rb10 to Rb17
471	Punch Drive Jam	Rb1 to Rb5

6.Troubleshooting

Jam code	Jam description	Position code
472	Jogger Fence Error	Rb10 to Rb17
473	Pre-stack Operation	Rb6 to Rb9
474	Stack Transport Jam	Rb10 to Rb17
475	Center Stapler Jam	Rb10 to Rb17
476	Fold Jam	Rb10 to Rb17
477	Unidentified Jam	Rb1 to Rb5
478	Main Machine Command Error Jam	Rb1 to Rb5

Multi Folding Unit FD4000 (D615)

Jam code	Jam description	Position code
1	Entrance Sensor	N1 to N5
1	Horizontal Path Exit Sensor	N1 to N5
1	Top Tray Exit Sensor	N1 to N5
1	Top Tray Paper Path Sensor	N1 to N5
1	Registration Sensor	N6 to 22
1	1st Stopper Paper Sensor	N6 to 22
1	2nd Stopper Paper Sensor	N6 to 22
1	3rd Stopper Paper Sensor	N6 to 22
1	Horizontal Path Paper Sensor	N1 to N5
1	Bypass Entrance Paper	N6 to 22
1	Bypass Exit Paper Sensor	N6 to 22
200	Entrance Sensor: Late Jam	N1 to N5
201	Entrance Sensor: Lag Jam	N1 to N5
202	Top Tray Exit Sensor: Late Jam	N1 to N5
203	Top Tray Exit Sensor: Lag Jam	N1 to N5
204	Horizontal Path Exit Sensor: Late Jam	N1 to N5
205	Horizontal Path Exit Sensor: Lag Jam	N1 to N5
206	1st Stopper HP Sensor: Late Jam	N6 to N22
207	1st Stopper HP Sensor: Lag Jam	N6 to N22
208	2nd Stopper HP Sensor: Late Jam	N6 to N22
209	2nd Stopper HP Sensor: Lag Jam	N6 to N22
210	3rd Stopper HP Sensor: Late Jam	N6 to N22
211	3rd Stopper HP Sensor: Lag Jam	N6 to N22
212	Skew Correction Jam	N6 to N22
213	Folded Paper Path Jam	N1 to N5
214	Entrance JG Motor Jam	N1 to N5
215	1st Stopper Motor Jam	N6 to N22

Jam code	Jam description	Position code
216	2nd Stopper Motor Jam	N6 to N22
217	3rd Stopper Motor Jam	N6 to N22
218	Dynamic Roller Trans. Motor Jam	N6 to N22
219	Registration Roller Release Motor Jam	N6 to N22
220	Fold Plate Motor Jam	N6 to N22
221	Jogger Fence Motor Jam	N6 to N22
222	Direct-Send JG Motor Jam	N6 to N22
223	FM6 Pawl Motor Jam	N6 to N22
249	Main Machine Data Corrupt	N1 to N5,N6 to N22

Mail Box CS4010 (D708)

Jam code	Jam description	Position code
1	Transport Sensor 1	W
1	Transport Sensor 2	W
1	Transport Sensor 3	W
1	Transport Sensor 4	W
1	Transport Sensor 5	W
350	Transport Sensor 1: Late Jam	W
351	Transport Sensor 1: Lag Jam	W
352	Transport Sensor 2: Late Jam	W
353	Transport Sensor 2: Lag Jam	W
354	Transport Sensor 3: Late Jam	W
355	Transport Sensor 3: Lag Jam	W
356	Transport Sensor 4: Late Jam	W
357	Transport Sensor 4: Lag Jam	W
358	Transport Sensor 5: Late Jam	W
359	Transport Sensor 5: Lag Jam	W
360	Main Machine Data Corrupt	W

Cover Interposer Tray CI4040 (D3CN)

Jam code	Jam description	Position code
1	Feed Sensor	Q
1	Exit Sensor	Q
370	Feed Sensor: Late Jam or Lag Jam	Q
371	Exit Sensor: Late Jam or Lag Jam	Q
372	Bottom Plate Motor Jam	Q

6.Troubleshooting

Cover Interposer Tray CI4020 (D712)

Jam code	Jam description	Position code
1	1st Paper Feed Sensor	Q1
1	2nd Paper Feed Sensor	Q2
1	1st Transport Sensor	Q1
1	2nd Transport Sensor	Q2
1	1st Vertical Transport Sensor	Q1
1	2nd Vertical Transport Sensor	Q3 to Q4
1	Exit Sensor	Q3 to Q4
1	Entrance Sensor	Q3 to Q4
1	Exit Sensor	Q3 to Q4
300	1st Paper Feed Sensor: Late Jam	Q1
301	1st Paper Feed Sensor: Lag Jam	Q1
302	2nd Paper Feed Sensor: Late Jam	Q2
303	2nd Paper Feed Sensor: Lag Jam	Q2
304	1st Transport Sensor: Late Jam	Q1
305	1st Transport Sensor: Lag Jam	Q1
306	2nd Transport Sensor: Late Jam	Q2
307	2nd Transport Sensor: Lag Jam	Q2
308	1st Vertical Transport Sensor: Late Jam	Q1
309	1st Vertical Transport Sensor: Lag Jam	Q1
310	2nd Vertical Transport Sensor: Late Jam	Q3 to Q4
311	2nd Vertical Transport Sensor: Lag Jam	Q3 to Q4
312	Exit Sensor: Late Jam	Q3 to Q4
313	Exit Sensor: Lag Jam	Q3 to Q4
314	Entrance Sensor: Late Jam	Q3 to Q4
315	Entrance Sensor: Lag Jam	Q3 to Q4
316	Exit Sensor: Late Jam	Q3 to Q4
317	Exit Sensor: Lag Jam	Q3 to Q4
318	1st Lift Motor Jam	Q1
319	2nd Lift Motor Jam	Q2
320	1st Pick-up Motor Jam	Q1
321	2nd Pick-up Motor Jam	Q2
349	Main Machine Data Corrupt	Q3 to Q4

Decurl Unit DU5020 (D727) (Pro C5200S/C5210S only)

Jam code	Jam description	Position code
1	Entrance Sensor	K1 to K4

Jam code	Jam description	Position code
1	Exit Sensor	K1 to K4
380	Entrance Sensor: Late Jam	K1 to K4
381	Exit Sensor: Late Jam	K1 to K4

Buffer Pass Unit Type S6 (D3D0) (Pro C5200S/C5210S)

Jam code	Jam description	Position code
1	Transport Sensor 1	Kc1 to Kc9
1	Transport Sensor 2	Kc1 to Kc9
1	Transport Sensor 3	Kc1 to Kc9
1	Transport Sensor 4	Kc1 to Kc9
1	Transport Sensor 5	Kc1 to Kc9
1	Transport Sensor 6	Kc1 to Kc9
1	Transport Sensor 7	Kc1 to Kc9
1	Transport Sensor 8	Kc1 to Kc9
400	Transport Sensor 1: Late Jam	Kc1 to Kc9
401	Transport Sensor 1: Lag Jam	Kc1 to Kc9
402	Transport Sensor 2: Late Jam	Kc1 to Kc9
403	Transport Sensor 2: Lag Jam	Kc1 to Kc9
404	Transport Sensor 3: Late Jam	Kc1 to Kc9
405	Transport Sensor 3: Lag Jam	Kc1 to Kc9
406	Transport Sensor 4: Late Jam	Kc1 to Kc9
407	Transport Sensor 4: Lag Jam	Kc1 to Kc9
408	Transport Sensor 5: Late Jam	Kc1 to Kc9
409	Transport Sensor 5: Lag Jam	Kc1 to Kc9
410	Transport Sensor 6: Late Jam	Kc1 to Kc9
411	Transport Sensor 6: Lag Jam	Kc1 to Kc9
412	Transport Sensor 7: Late Jam	Kc1 to Kc9
413	Transport Sensor 7: Lag Jam	Kc1 to Kc9
414	Transport Sensor 8: Late Jam	Kc1 to Kc9
415	Transport Sensor 8: Lag Jam	Kc1 to Kc9
416	Main Machine Data Corrupt	Kc1 to Kc9

Plockmatic Bookletmaker

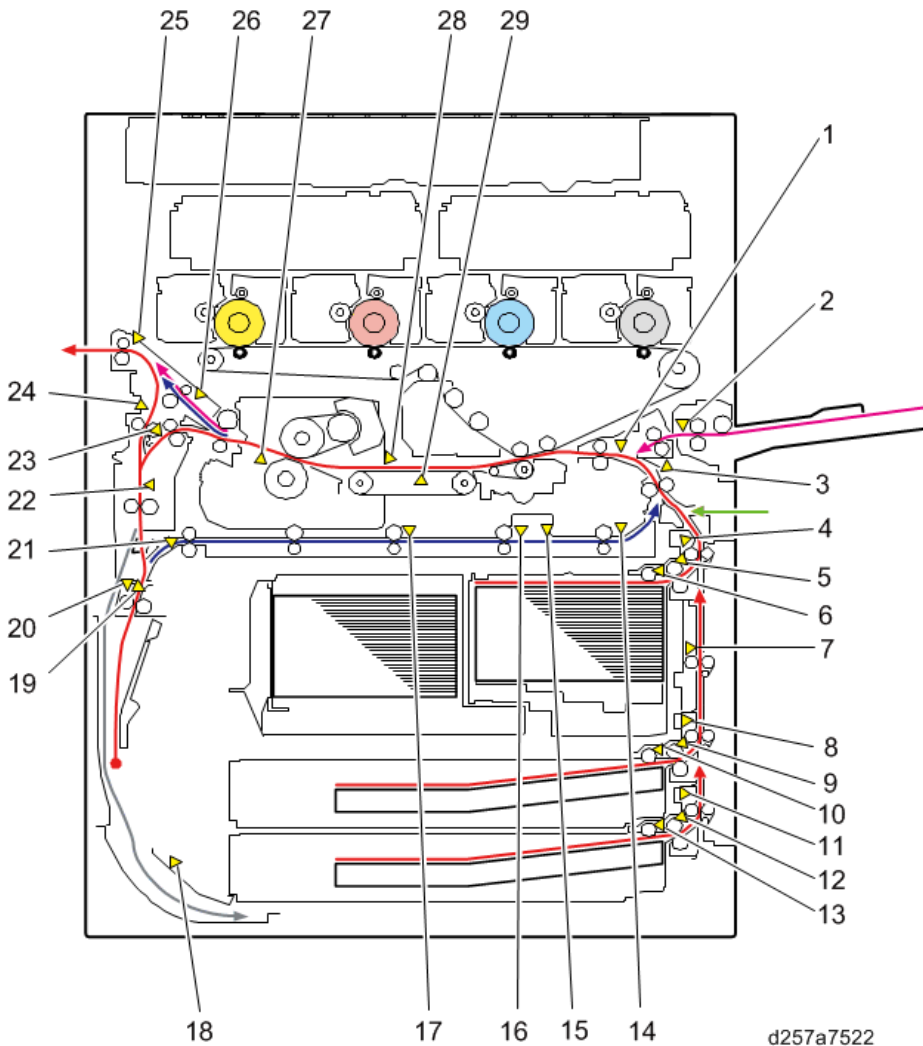
Jam code	Jam description	Position code
148	Plockmatic Bookletmaker Jam	Displayed by Plockmatic

6. Troubleshooting

GBC Stream Punch

Jam code	Jam description	Position code
149	GBC Stream Punch Jam	Displayed by GBC

Sensor Locations



No.	Description	No.	Description
1	Registration Sensor	16	Duplex Unit Sensor 3
2	Bypass Paper Feed Sensor	17	Duplex Unit Sensor 4
3	Relay Sensor	18	Purged Paper Sensor
4	Transport Sensor (Tray 1)	19	Duplex Invert Sensor
5	Paper Feed Sensor (Tray 1)	20	Purge Relay Sensor
6	Paper End Sensor (Tray 1)	21	Duplex Unit Entrance Sensor
7	Vertical Transport Sensor	22	Inverter Exit Sensor
8	Transport Sensor (Tray 2)	23	Inverter Feed-in Sensor
9	Paper Feed Sensor (Tray 2)	24	Inverter Feed-out Sensor

No.	Description	No.	Description
10	Paper End Sensor (Tray 2)	25	Paper Exit Sensor
11	Transport Sensor (Tray 3)	26	Paper Exit Relay Sensor
12	Paper Feed Sensor (Tray 3)	27	Fusing Paper Feed Sensor
13	Paper End Sensor (Tray 3)	28	Fusing Entrance Sensor
14	Duplex Exit Sensor	29	Paper Transport Belt Unit Set Sensor
15	Edge Detection Sensor		

Paper Size Codes

Paper size codes are as follows.

* The unit of Main Scan/Sub Scan Length is 0.1 mm.

Size Code	Paper Size Name	Orientation	Main Scan Length	Sub Scan Length
132(84H)	A3	SEF	2970	4200
005(05H)	A4	LEF	2970	2100
133(85H)	A4	SEF	2100	2970
006(06H)	A5	LEF	2100	1480
134(86H)	A5	SEF	1480	2100
135(87H)	A6	SEF	1050	1480
141(8DH)	B4	SEF	2570	3640
014(0EH)	B5	LEF	2570	1820
142(8EH)	B5	SEF	1820	2570
143(8FH)	B6	SEF	1280	1820
154(9AH)	SRA3	SEF	3200	4500
027(1BH)	SRA4	LEF	3200	2250
155(9BH)	SRA4	SEF	2250	3200
160(A0H)	11"x17"(DLT)	SEF	2794	4318
161(A1H)	11"x14"	SEF	2794	3556
162(A2H)	10"x15"	SEF	2540	3810
163(A3H)	10"x14"	SEF	2540	3556
164(A4H)	8 1/2"x14"(LG)	SEF	2159	3556
165(A5H)	8 1/2"x13"(Folioscape)	SEF	2159	3302
038(26H)	8 1/2"x11"(LT)	LEF	2794	2159
166(A6H)	8 1/2"x11"(LT)	SEF	2159	2794
167(A7H)	8 1/4"x14"	SEF	2096	3556
168(A8H)	8 1/4"x13"(Folio)	SEF	2096	3302
169(A9H)	8"x13"(F/GL)	SEF	2032	3302
171(ABH)	8"x10"(UK)	SEF	2032	2540
044(2CH)	5 1/2"x8 1/2"(HLT)	LEF	2159	1397

6.Troubleshooting

Size Code	Paper Size Name	Orientation	Main Scan Length	Sub Scan Length
172(ACH)	5 1/2"x8 1/2"(HLT)	SEF	1397	2159
045(2DH)	7 1/4"x10 1/2"(Exective)	LEF	2667	1842
173(ADH)	7 1/4"x10 1/2"(Exective)	SEF	1842	2667
175(AFH)	12" x 18"	SEF	3048	4572
177(B1H)	11"x15"	SEF	2794	3810
180(B4H)	13"x19"	SEF	3302	4826
181(B5H)	13"x19.2"	SEF	3302	4877
182(B6H)	13"x18"	SEF	3302	4572
194(C2H)	8K	SEF	2670	3900
067(43H)	16K	LEF	2670	1950
195(C3H)	16K	SEF	1950	2670
198(C6H)	12.6x18.5	SEF	3200	4699
199(C7H)	12.6x19.2	SEF	3200	4877
200(C8H)	8.5"x13.4"(Oficio)	SEF	2159	3404
080(50H)	No.10 (Com10)	LEF	2413	1048
208(D0H)	No.10 (Com10)	SEF	1048	2413
081(51H)	No.7 (Monarch)	LEF	1905	984
209(D1H)	No.7 (Monarch)	SEF	984	1905
083(53H)	C5	LEF	2290	1620
211(D3H)	C5	SEF	1620	2290
212(D4H)	C6	SEF	1140	1620
085(55H)	DL	LEF	2200	1100
213(D5H)	DL	SEF	1100	2200
121(79H)	226x310	LEF	3100	2260
249(F9H)	226x310	SEF	2260	3100
250(FAH)	310x432	SEF	3100	4320
251(FBH)	PostCard: Standard	SEF	1067	1397

Voltage of the Input Power Source

An SC can be caused by the supply voltage environment. This machine acquires the voltage of the input power source, and then stores it in SP mode. Therefore, when an SC is generated, first check the voltage of the input power source ([Checking the Voltage of the Input Power Source](#)). If there is no abnormality in the voltage of the input power source, repair the problem by referring to the SC tables ([SC100 \(Engine: Scanning\)](#)).

Checking the Voltage of the Input Power Source

When an SC is generated, the voltages of the input power source and the SC code can be displayed with the following SPs. When the SC is generated, the maximum and minimum voltages of the input power source within a predetermined period of time (5 seconds before the generation of the SC) are also stored in SP mode.

SP No.	SP Name	Range	Description
SP5-961-001	Power Supply Voltage: Disp – Power Supply Voltage	0 to 300V	The voltage during normal operation: The machine acquires the voltage every 0.5 seconds, and stores it in SP mode.
SP5-962-001 to 010	SC Number (Error) – SC Number (Error)1 to 10	0 to 99999	The SC code when the SC is generated: For example, "54702" is displayed when SC547-02 is generated. The newest 10 SC codes are stored in SP mode.
SP5-963-001 to 010*1	Max Power Supply Voltage – Max Power Supply Voltage1 to 10	0 to 300V	The maximum voltage when the SC is generated: Displays the maximum voltage value within a predetermined period of time (5 seconds before the generation of the SC). The most recent 10 maximum voltage values are stored in SP mode.
SP5-964-001 to 010*1	Min Power Supply Voltage – Min Power Supply Voltage1	0 to 300V	The minimum voltage value when the SC is generated: Displays the minimum voltage value within a predetermined period of time (5 seconds before the generation of the SC). The most recent 10 minimum voltage values are stored in SP mode.

*1 If the SC is generated before the machine acquires the voltage of the input power source, "1" or "2" is displayed.

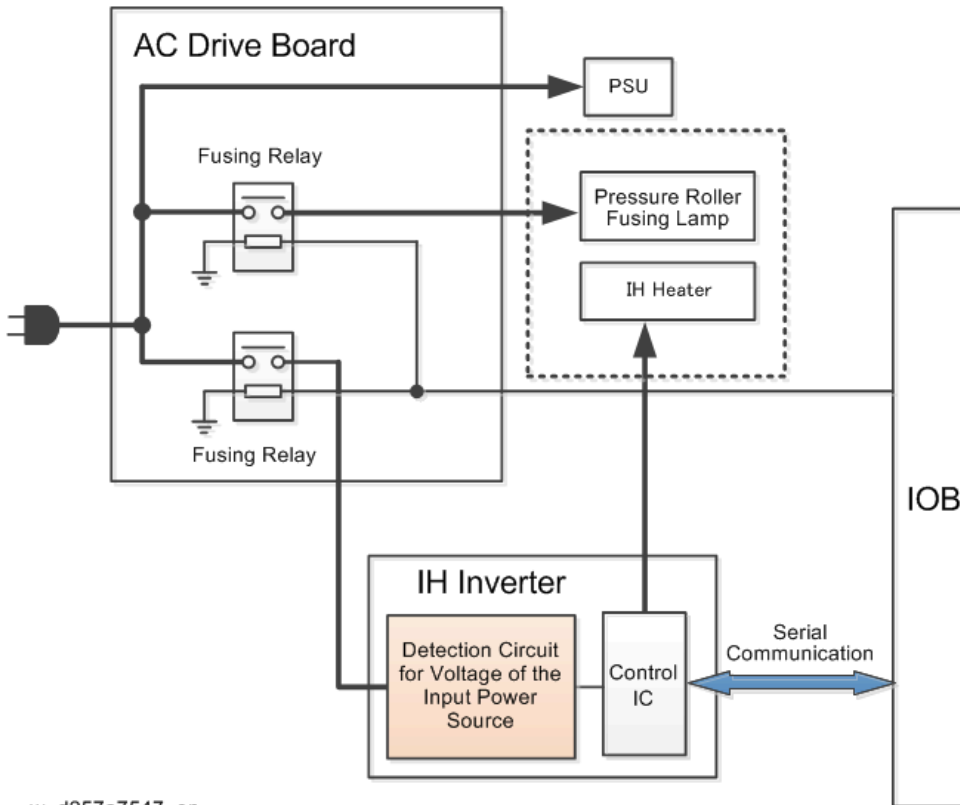
Note

- The voltage of the input power source displayed in SP mode has a $\pm 4\%$ deviation from the actual value.
- If you need to check the voltage of the input power source with the SMC output, execute SP5-990-002 (SP Print Mode – SP (Mode Data List)). The voltage of the input power source is not on the SMC output of SP5-990-004 (SP Print Mode – Logging Data).

Acquisition Control for Voltage of the Input Power Source

Components

Acquisition of the voltage of the input power source is controlled by the following components: AC drive board, IH inverter, and IOB



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AC Drive Board

The AC drive board receives AC power from the power cord. It controls cutoff of the AC power source by the fusing relay. The machine cannot acquire the voltage of the input power source when the fusing relay is off because the power supply for the IH inverter is cut off.

IH Inverter

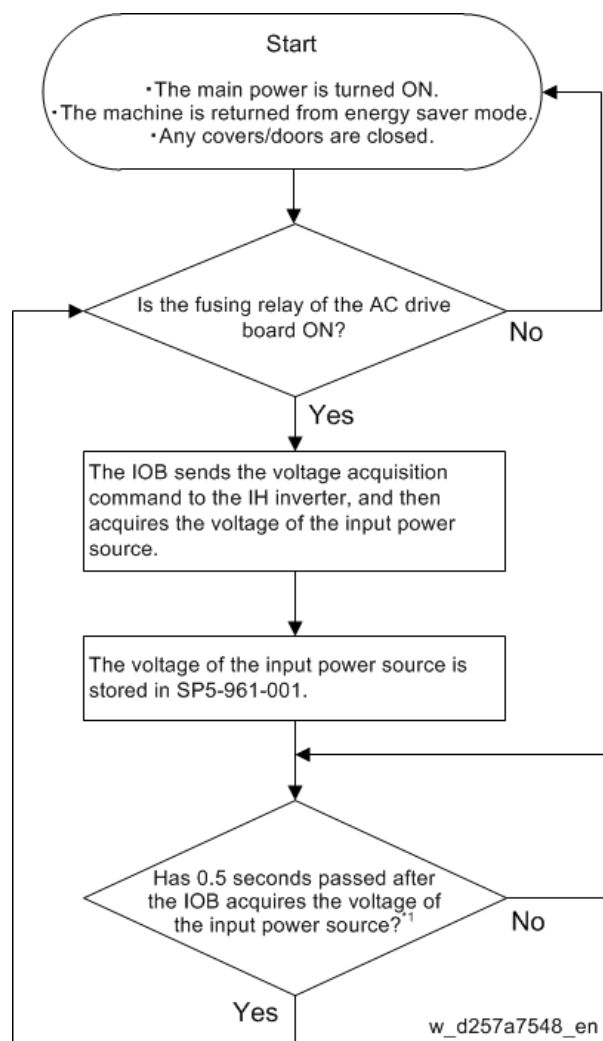
The IH inverter contains the detection circuit for the voltage of the input power source. The Control IC performs serial communications (start-stop synchronization type full-duplex serial communication) with the IOB and controls the IH heater.

IOB

The IOB controls the fusing relay on the AC drive board. It also controls the IH heater via the IH inverter.

Acquisition Control (During Normal Operation)

Acquisition of the voltage of the input power source is controlled by the following process.

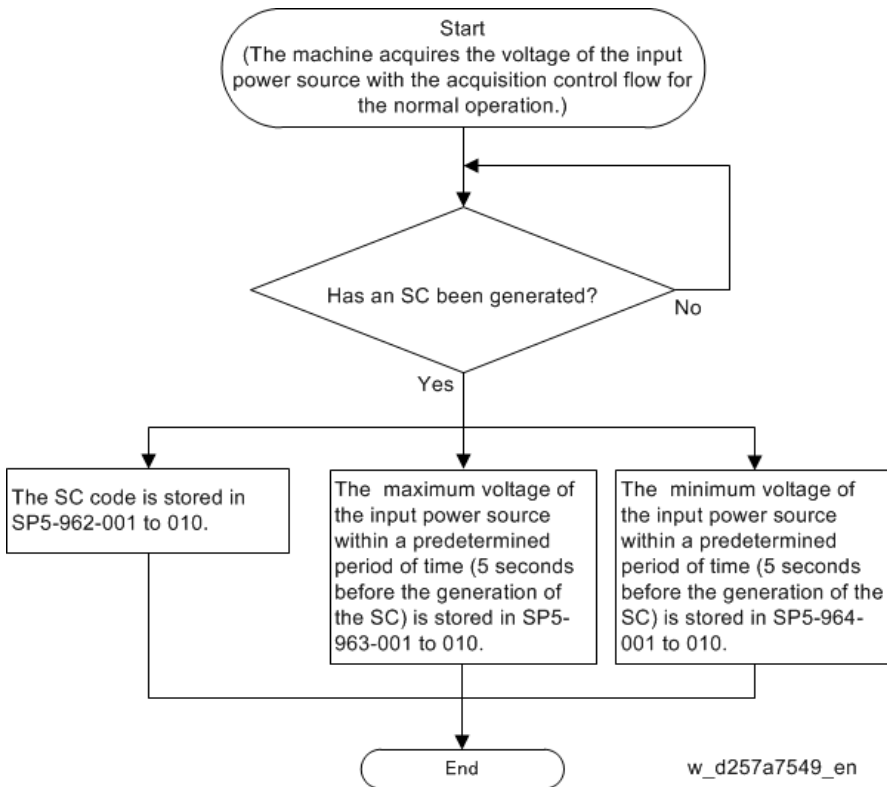


*1 A predetermined standby time (0.5 seconds) is provided after the voltage of the input power source is acquired. Therefore, the voltage of the input power source is acquired at 0.5 second intervals.

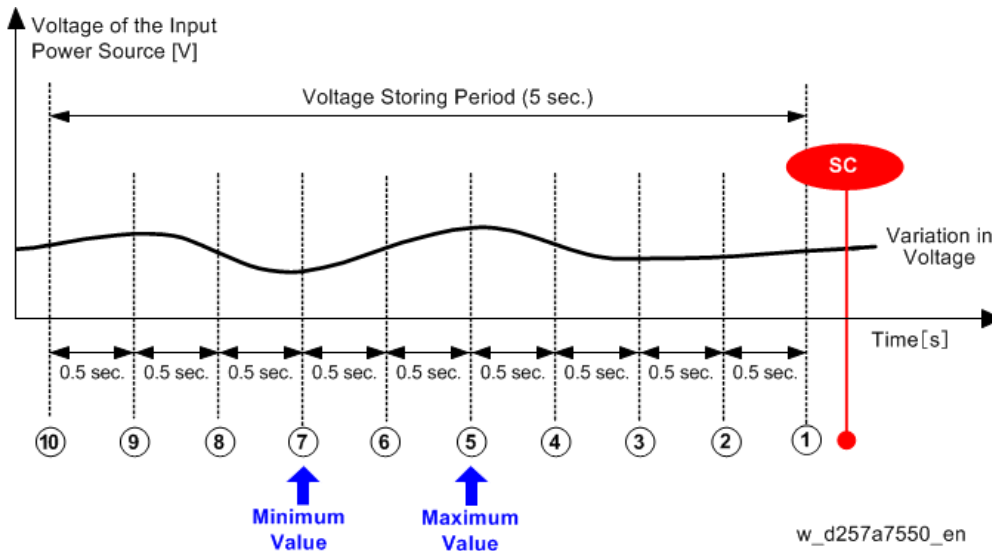
Acquisition Control (When an SC is Generated)

When an SC is generated, acquisition of the maximum and minimum voltages of the input power source is controlled by the following process.

6.Troubleshooting

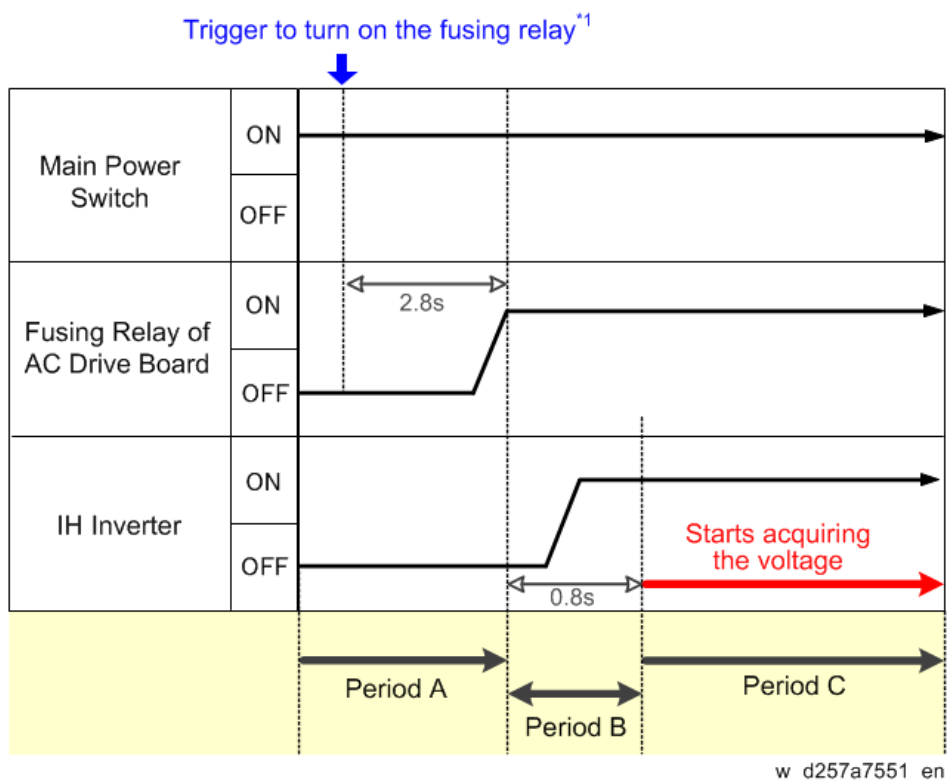


During normal operation, the voltage of the input power source is acquired at 0.5 second intervals. When an SC is generated, the maximum and minimum voltages of the input power source are obtained from the voltages which were acquired within a predetermined period of time (5 seconds before the generation of the SC).



The Period of Time when the Voltage cannot be Acquired

The voltage of the input power source cannot be acquired when the fusing relay on the AC drive board is OFF, because the power supply for the IH inverter is cut off. After the fusing relay turns ON and the power supply is provided to the IH inverter, the voltage acquisition is started. Therefore, when an SC is generated, the maximum and minimum voltages of the input power source can be acquired from Period C as shown below.



*1 The fusing relay is turned on when one of the following operations is performed.

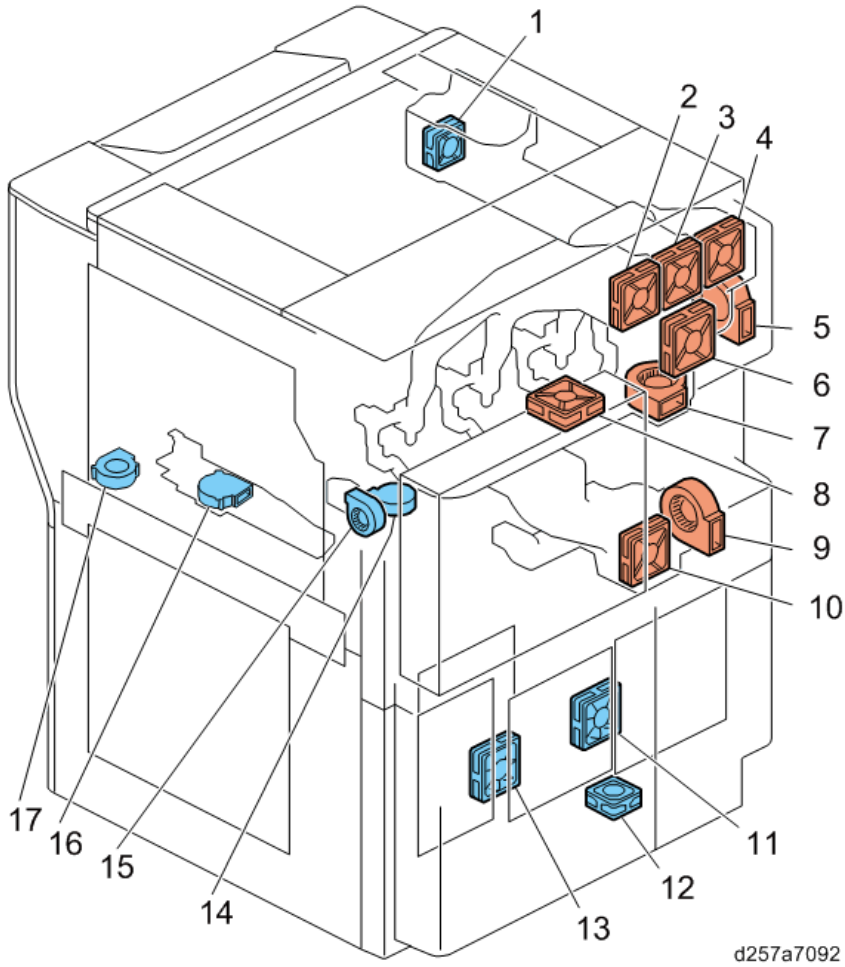
- The main power is turned ON.
- Any covers/doors are closed.
- The machine returns from the energy saver mode.

	Description
Period A	When the SC is generated before the fusing relay turns ON, "2" is displayed for the maximum voltage (SP5-963-001 to 010) and the minimum voltage (SP5-964-001 to 010).
Period B	When the SC is generated during a period after the fusing relay turns ON and before the IH inverter acquires the voltage, "1" is displayed for the maximum voltage (SP5-963-001 to 010) and the minimum voltage (SP5-964-001 to 010).
Period C	When the SC is generated after the IH inverter starts acquiring the voltage, the machine can display the correct maximum voltage (SP5-963-001 to 010) and the correct minimum voltage (SP5-964-001 to 010).

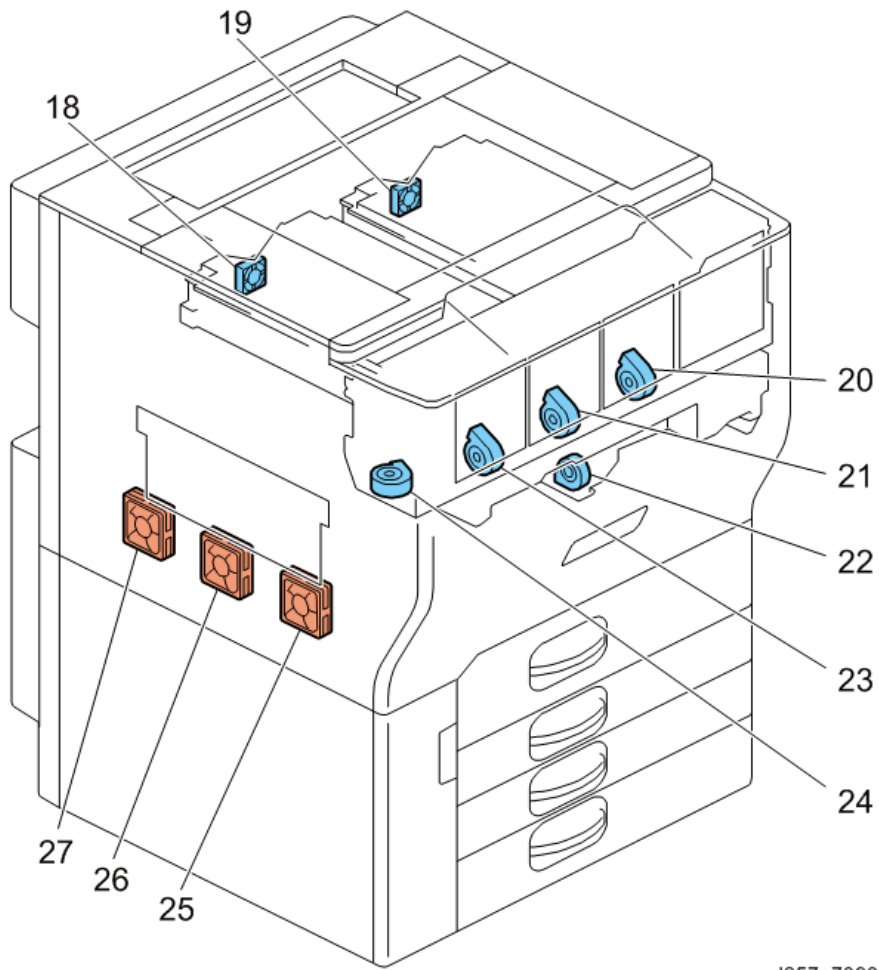
Fan Defect Detection

Fan Locations and Fan SC

Main Machine (Rear)



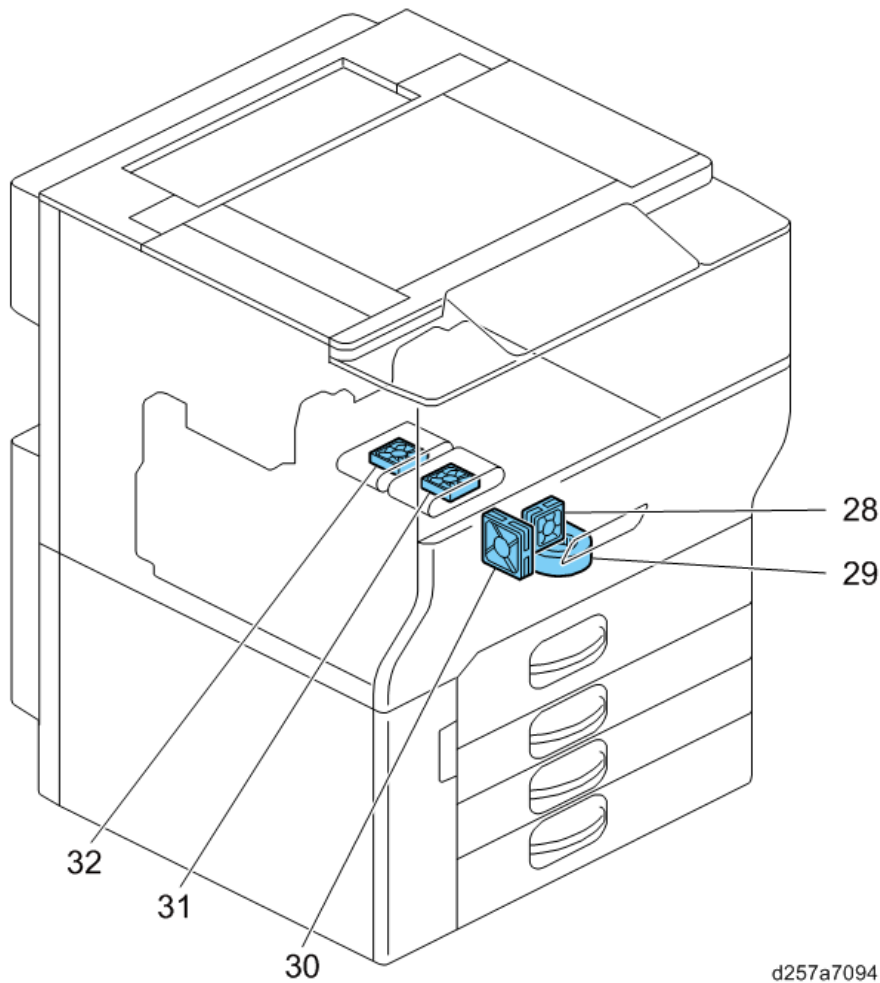
Main Machine (Front)



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6. Troubleshooting

Drawer (Inside)



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SC Code	SC Name	Fan where error was detected	Fan No.
SC531-01	Development Intake Fan (Y): Lock	Development Intake Fan (Y)	24
SC531-02	Development Intake Fan (M): Lock	Development Intake Fan (M)	23
SC531-03	Development Intake Fan (C): Lock	Development Intake Fan (C)	21
SC531-04	Development Intake Fan (K): Lock	Development Intake Fan (K)	20
SC531-05	Development Exhaust Fan (Right): Lock	Development Exhaust Fan (Right)	2
SC531-06	Development Exhaust Fan (Left): Lock	Development Exhaust Fan (Left)	3
SC530-	Fusing Pressure Roller Intake Fan: Lock	Fusing Pressure Roller Intake Fan	29

6.Troubleshooting

SC Code	SC Name	Fan where error was detected	Fan No.
01			
SC530-02	Fusing Pressure Roller Exhaust Fan: Lock	Fusing Pressure Roller Exhaust Fan	9
SC530-03	Heat Pipe Panel Intake Fan: Lock	Heat Pipe Panel Intake Fan	1
SC530-04	Heat Pipe Panel Exhaust Fan: Lock	Heat Pipe Panel Exhaust Fan	4
SC530-05	Fusing Exit Exhaust Fan: Lock	Fusing Exit Exhaust Fan	5
SC530-06	ITB Cleaning Intake Fan: Lock	ITB Cleaning Intake Fan	22
SC530-07	IH Coil Power Cooling Fan: Lock	IH Coil Cooling Fan	28
SC530-08	Paper Transfer Belt Fusing Exhaust Fan: Lock	Paper Transfer Belt Fusing Exhaust Fan	10
SC530-09	IH Coil Power Cooling Fan: Lock	IH Coil Power Cooling Fan	12
SC530-11	Paper Transfer Belt Cooling Fan (Front) Lock	Paper Transfer Belt Cooling Fan (Front)	16
SC530-12	Paper Transfer Belt Cooling Fan (Rear) Lock	Paper Transfer Belt Cooling Fan (Rear)	17
SC532-02	Controller Exhaust Fan: Lock	Controller Exhaust Fan	8
SC532-03	PSU Fan (Right): Lock	PSU Fan (Right)	13
SC532-04	PSU Fan (Left): Lock	PSU Fan (Left)	11
SC533-01	Laser Unit Cooling Fan (Right): Lock	Laser Unit Cooling Fan (Right)	19
SC533-02	Laser Unit Cooling Fan (Left): Lock	Laser Unit Cooling Fan (Left)	18
SC534-01	Duplex Exhaust Fan (Front): Lock	Duplex Exhaust Fan (Front)	25
SC534-02	Duplex Exhaust Fan (Rear): Lock	Duplex Exhaust Fan (Rear)	27
SC534-	Duplex Exhaust Fan (Middle): Lock	Duplex Exhaust Fan (Middle)	26

6.Troubleshooting

SC Code	SC Name	Fan where error was detected	Fan No.
03			
SC535-02	Drive Exhaust Fan: Lock	Drive Exhaust Fan	6
SC536-01	Fusing Heat Pipe Cooling Fan: Lock	Fusing Heat Pipe Cooling Fan	30
SC537-01	Ozone Exhaust Fan: Lock	Ozone Exhaust Fan	7
SC538-01	ID Sensor Cleaning Fan: Lock	ID Sensor Cleaning Fan	15
SC538-02	ITB Motor Cooling Fan: Lock	ITB Motor Cooling Fan	14
SC539-01	Paper Transport Belt Fan (Front): Lock	Paper Transport Belt Fan (Front)	32
SC539-02	Paper Transport Belt Fan (Rear): Lock	Paper Transport Belt Fan (Rear)	31

Blown Fuse Conditions

AC Drive Board

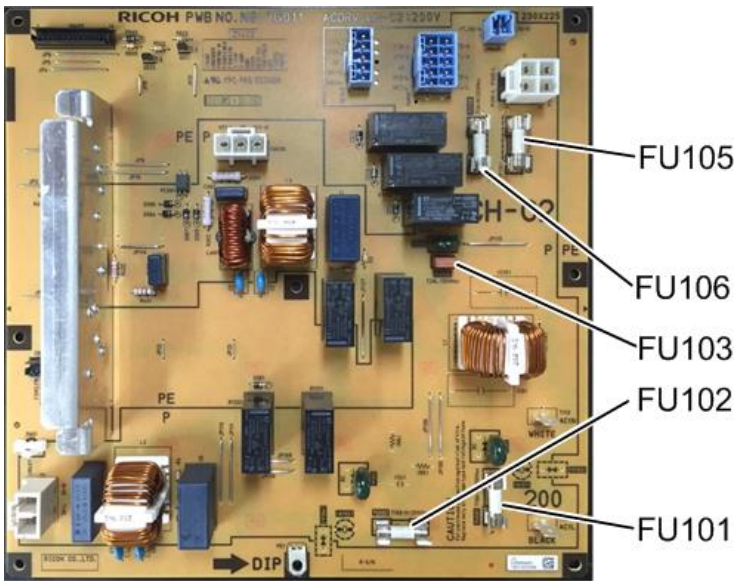
100V

FUSE	Output	Reason for Overcurrent	Action
FU101	AC	<ul style="list-style-type: none"> PSU1 PSU2 Pressure Roller Fusing Lamp (Input fuse) 	Replace AC board or harnesses
FU102	AC	IH Inverter (Input fuse)	Replace AC board or harnesses
FU103	AC	<ul style="list-style-type: none"> Tray Heater Scanner Heater 	Replace AC board or harnesses
FU105	AC	PSU1	Replace AC board or harnesses
FU106	AC	PSU2	Replace AC board or harnesses

200V

FUSE	Output	Reason for Overcurrent	Action
FU101	AC	<ul style="list-style-type: none"> PSU1 PSU2 Pressure Roller Fusing Lamp (Input fuse) 	Replace AC board or harnesses
FU102	AC	IH Inverter (Input fuse)	Replace AC board or harnesses
FU103	AC	<ul style="list-style-type: none"> Tray Heater Scanner Heater 	Replace AC board or harnesses
FU105	AC	PSU1	Replace AC board or harnesses
FU106	AC	PSU2	Replace AC board or harnesses

6. Troubleshooting



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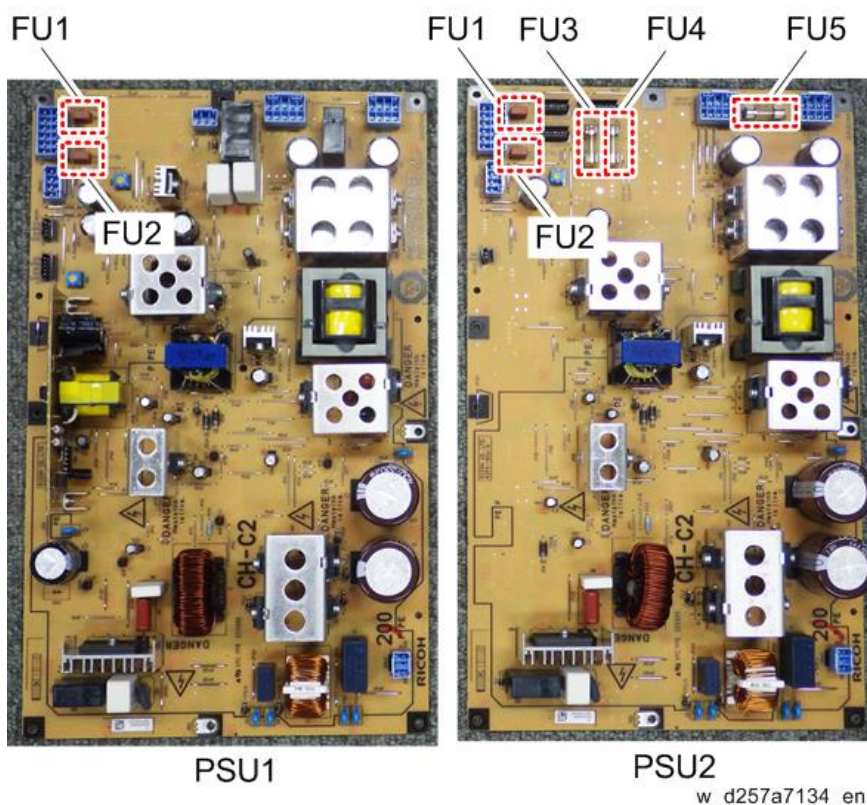
PSU

PSU1 (100V, 200V)

FUSE	Output	Reason for Overcurrent	Action
FU1	5V	Nothing	Replace PSU or Harnesses
FU2	5V	Nothing	Replace PSU or Harnesses

PSU2 (100V, 200V)

FUSE	Output	Reason for Overcurrent	Action
FU1	5V	<ul style="list-style-type: none"> • BICU • Peripheral devices 	Replace PSU or Harnesses
FU2	5V	<ul style="list-style-type: none"> • DUB • TDRB • TSB 	Replace PSU or Harnesses
FU3	24V	Peripheral devices	Replace PSU or Harnesses
FU4	24V	Peripheral devices	Replace PSU or Harnesses
FU5	24V	<ul style="list-style-type: none"> • TSB • PFB • IOB • BICU • Peripheral devices 	Replace PSU or Harnesses



DUB

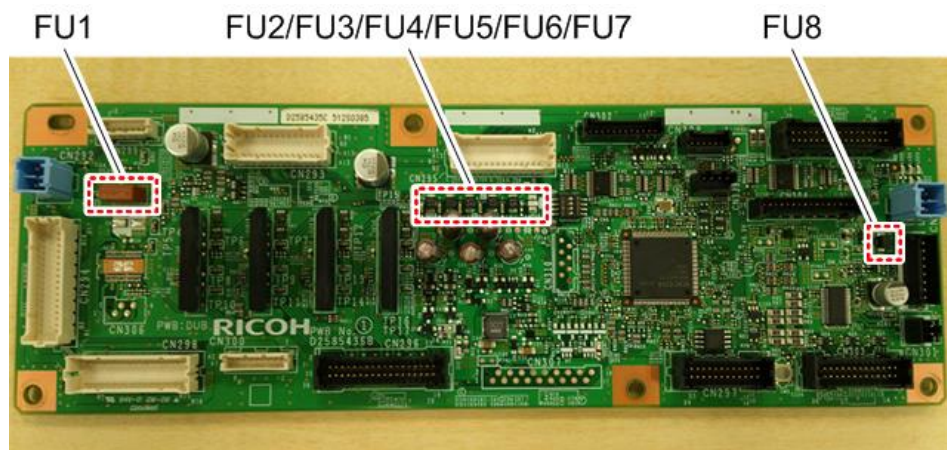
FUSE	Output	Reason for Overcurrent	Action
FU1	24VS_1	- Motors - <ul style="list-style-type: none"> • Duplex Transport Motor • Duplex Exit Motor • Exit Inverter Motor • Duplex inverter entrance motor • Exit Motor • Registration motor - STM - <ul style="list-style-type: none"> • Duplex Transport Shift Motor 1,2 • Edge Detection Sensor Shift Motor • Duplex inverter entrance motor • Cleaning Web Drive Motor*¹ • Cleaning Web Contact Motor*¹ 	Replace DUB or harnesses.
FU2	24VS_2	<ul style="list-style-type: none"> • Paper Transport Belt Fan (Front) • Paper Transport Belt Fan (Rear) 	Replace DUB or harnesses.
FU3	24VS_3	<ul style="list-style-type: none"> • Fusing Heat Pipe Cooling Fan • Paper Transfer Belt Cooling Fan (Front) • Paper Transfer Belt Cooling Fan (Rear) 	Replace DUB or harnesses.

6.Troubleshooting

FUSE	Output	Reason for Overcurrent	Action
FU4	24VS_4	IH Coil Cooling Fan	Replace DUB or harnesses.
FU5	24VS_5	Duplex Inverter Solenoid	Replace DUB or harnesses.
FU6	24VS_6	Duplex Invert Solenoid	Replace DUB or harnesses.
FU7	24VS_7	Cleaning Web Motor* ¹	Replace DUB or harnesses.
FU8	5V	<ul style="list-style-type: none"> • Drawer Unit LED • Upper Guide Plate LED • Paper Exit Upper Guide Plate LED • Paper Exit Left Guide Plate LED • Inverter Left Guide Plate LED • Fusing Guide Plate LED 	Replace DUB or harnesses.
		<ul style="list-style-type: none"> • Upper Guide Plate Open Switch • Paper Exit Upper Guide Plate Sensor • Paper Exit Left Guide Plate Sensor • Horizontal Feed Guide Plate Open Sensor • Duplex Exit Sensor • Paper Transport Belt Sensor • Drawer Unit Flapper Sensor 	Replace DUB or harnesses.
		<ul style="list-style-type: none"> • Cleaning Web Set Sensor*¹ • Cleaning Web End Sensor*¹ • Cleaning Web Contact Sensor*¹ • Drawer Unit Lock Sensor • Relay Sensor • Registration Sensor • Paper Exit Sensor 	Replace DUB or harnesses.
		<ul style="list-style-type: none"> • Paper Exit Relay Sensor • Inverter Exit Sensor • Inverter Feed-in Sensor • Inverter Feed-out Sensor • Duplex Unit Entrance Sensor • Duplex Exit Sensor • Duplex Invert Sensor • Duplex Unit Sensor 3/4 • Edge Detection Sensor • Purge Relay Sensor 	Replace DUB or harnesses.
		<ul style="list-style-type: none"> • Paper Transport Belt Unit Set Sensor • Sensor Shift Home Position Switch • Duplex Transport Home Position Sensor 1/2 • Inverter Junction Gate Home Position Sensor 	Replace DUB or harnesses.

FUSE	Output	Reason for Overcurrent	Action
		<ul style="list-style-type: none"> Bypass Tray Paper Type Sensor Paper Type Sensor 	

*1: Pro C5200S/C5210S only.



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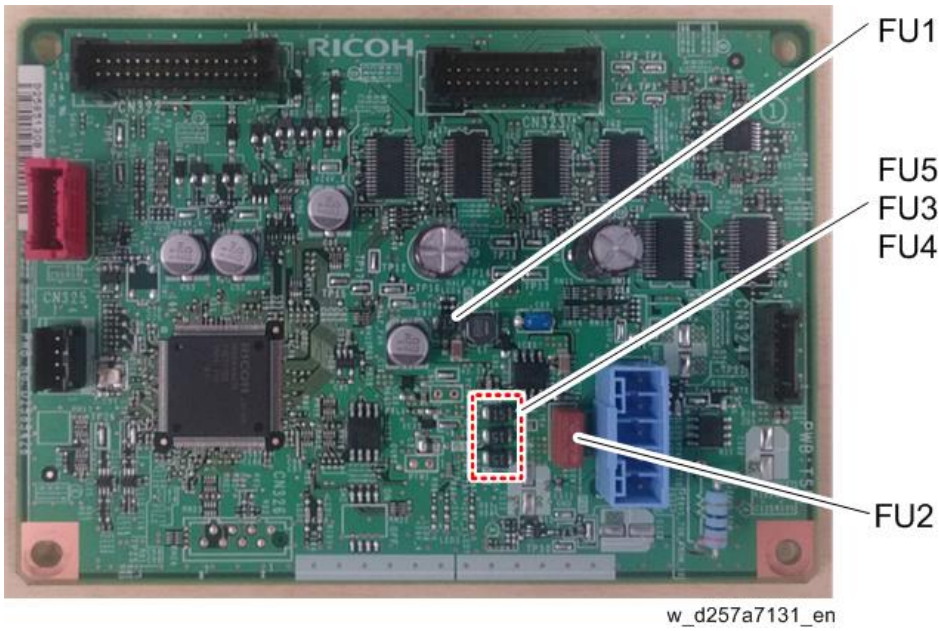
IH Inverter

FUSE	Output	Reason for Overcurrent	Action
FU1	AC	IH Inverter (fusing)	Replace IH inverter

Toner Supply Board (TSB)

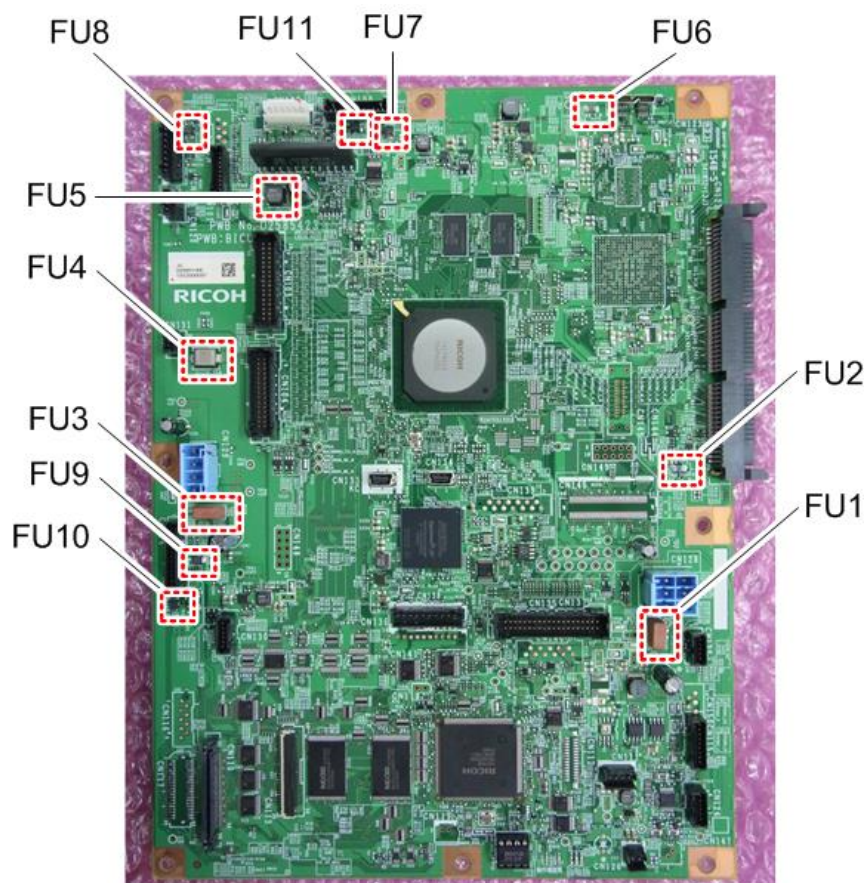
FUSE	Output	Reason for Overcurrent	Action
FU1	24V	<ul style="list-style-type: none"> Development Intake Fan (Y/M/C/K) ITB Cleaning Intake Fan 	Replace PCB or harnesses
FU2		Toner Supply Motor (Y/M/C/K)	Replace PCB or harnesses
FU3	24V	Development Intake Fan (Y/M)	Replace PCB or harnesses
FU4	24V	Development Intake Fan (C/K)	Replace PCB or harnesses
FU5	24V	ITB Cleaning Intake Fan	Replace PCB or harnesses

6. Troubleshooting



BICU

FUSE	Output	Reason for Overcurrent	Action
FU1	24VS	Internal circuit	Replace PCB or harnesses
FU2	5VX	<ul style="list-style-type: none"> SIO 	Replace PCB or harnesses
FU3	24V1	<ul style="list-style-type: none"> Polygon Motor FCU board 	Replace PCB or harnesses
FU4	24V	Operator Call Light	Replace PCB or harnesses
FU5	24V	Internal circuit	Replace PCB or harnesses
FU6	5VX	USB (operation part)	Replace PCB or harnesses
FU7	5V	SBU	Replace PCB or harnesses
FU8	5V	APS	Replace PCB or harnesses
FU9	5V	SDCU	Replace PCB or harnesses
FU10	5VX	SDCU	Replace PCB or harnesses
FU11	24V	SBU	Replace PCB or harnesses



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IOB

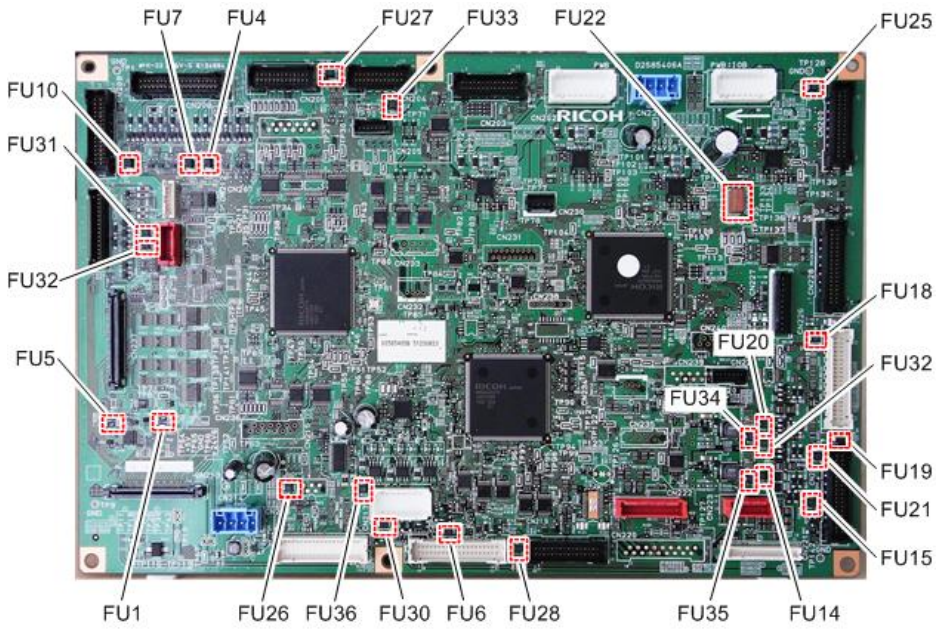
FUSE	Output	Reason for Overcurrent	Action
FU1	5V	<ul style="list-style-type: none"> ID Chip Connector Board (Y/M/C/K) Thermostat (Heating Roller) 	Replace the PCB
FU2	24V	Image Skew Correction Motor (Y)	Replace the PCB
FU3	24V	Image Skew Correction Motor (C)	Replace the PCB
FU4	24V	<ul style="list-style-type: none"> Laser Unit Cooling Fan (Left) Charge Roller Cleaning Roller Lift Solenoids (M) 	Replace the PCB
FU5	3.3V	TD Sensor (Y/M/C/K)	Replace the PCB
FU6	24V	<ul style="list-style-type: none"> PSU Fans (Right) PSU Fans (Left) IH Coil Power Cooling Fan Tray Heater Relay 	Replace the PCB
FU7	24V	<ul style="list-style-type: none"> Laser Unit Cooling Fan (Right) 	Replace the

6. Troubleshooting

FUSE	Output	Reason for Overcurrent	Action
		<ul style="list-style-type: none"> Charge Roller Cleaning Roller Lift Solenoids (Y) 	PCB
FU10	24V	<ul style="list-style-type: none"> ID Sensor Cleaning Fan Charge Roller Cleaning Roller Lift Solenoids (C) 	Replace the PCB
FU12	24V	<ul style="list-style-type: none"> Controller Exhaust Fan Drum PCL (Y/M/C/K) 	Replace the PCB
FU14	24V	Development Exhaust Fans (Right)	Replace the PCB
FU15	24VS	Duplex Exhaust Fans (Front/Middle/Rear)	Replace the PCB
FU16	24V	Image Skew Correction Motor (M)	Replace the PCB
FU17	24V	Image Skew Correction Motor (K)	Replace the PCB
FU18	24V	Development Motor (Y/M)	Replace the PCB
FU19	24V	Development Motor (C/K)	Replace the PCB
FU20	24V	<ul style="list-style-type: none"> Heat Pipe Panel Intake Fan Heat Pipe Panel Exhaust Fan Paper Transfer Belt Fusing Exhaust Fan 	Replace the PCB
FU21	24V	<ul style="list-style-type: none"> Ozone Exhaust Fan Fusing Exit Exhaust Fan Drive Exhaust Fan 	Replace the PCB
FU22	24VS	<ul style="list-style-type: none"> Fusing Pressure Roller Exhaust Fan (Pro C5200S/C5210S only) Fusing Belt Smoothing Roller Drive Motor (Pro C5200S/C5210S only) Fusing Release Motor Fusing Drive Motor 	Replace the PCB
FU25	24VS	Drum Cleaning Motor (Y/M/C/K)	Replace the PCB
FU26	24VS	<ul style="list-style-type: none"> AC Transfer Power Pack (Pro C5200S/C5210S only) Transfer Power Pack/Separation Power Pack 	Replace the PCB
FU27	24VS	Combined High-Voltage Power Supply Board (MY)	Replace the PCB
FU28	24V	<ul style="list-style-type: none"> Waste Toner Transport Motor Waste Toner Collection Motor 	Replace the PCB
FU30	24VS	AC Drive Board	Replace the

FUSE	Output	Reason for Overcurrent	Action
			PCB
FU31	24V	<ul style="list-style-type: none"> ITB Motor Cooling Fan Charge Roller Cleaning Roller Lift Solenoids (K) 	Replace the PCB
FU32	24V	Development Exhaust Fans (Left)	Replace the PCB
FU33	24VS	Combined High-Voltage Power Supply Board (KC)	Replace the PCB
FU34	11.5V	<ul style="list-style-type: none"> Heat Pipe Panel Intake Fan Heat Pipe Panel Exhaust Fan Paper Transfer Belt Fusing Exhaust Fan IH Coil Power Cooling Fan 	Replace the PCB
FU35	15.5V	<ul style="list-style-type: none"> Development Exhaust Fans (Right) Development Exhaust Fans (Left) 	Replace the PCB
FU36	24VS	Paper Transfer Belt Motor	Replace the PCB

6. Troubleshooting



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PFB

FUSE	Output	Reason for Overcurrent	Action
FU1	24V	Key Counter	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU2	24VS_SCT_A	<ul style="list-style-type: none"> 1st/2nd/3rd Paper Feed Motor 1st/2nd/3rd Transport Motor Vertical Transport Motor 	<ul style="list-style-type: none"> Restore harnesses Replace

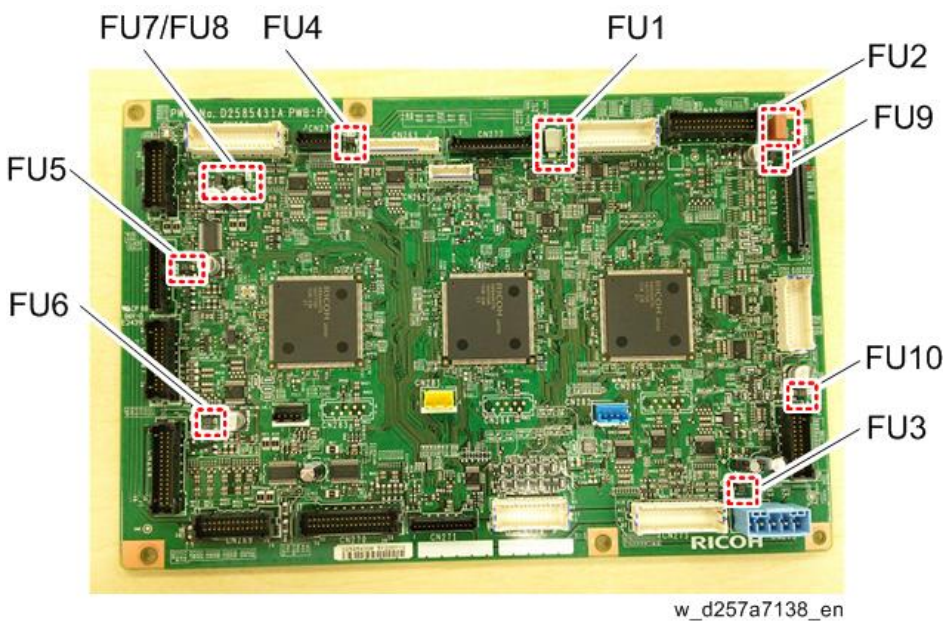
FUSE	Output	Reason for Overcurrent	Action
		<ul style="list-style-type: none"> Relay Motor Bypass Feed Motor Duplex Inverter Motor 	PFB (Replace fuse)
FU3	5V	<ul style="list-style-type: none"> LED Vertical Transport LED, 4th Tray LED, 3rd Tray LED, 2nd Tray LED, 1st Tray LED, Left Lower Door LED, Main Power Switch, Bypass Tray LED, Upper guide plate LED, Purge Tray LED 	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
		<ul style="list-style-type: none"> Sensor Right Tray Set Sensor, Paper Feed Sensor (Tray 1 to 3), Transport Sensor (Tray 1 to 3), Transport Sensor, Rear Fence Return Sensor, Rear Fence Home Position Sensor, Duplex Invert Sensor, Vertical Transport Door Open Sensor, Front Lower Cover SW, Front Lower Cover SW, Drawer Set Sensor 1/2, Drawer Unit Lock Sensor, Inverter Junction Gate Home Position Sensor, Original Exit Sensor, Duplex Unit Sensor 3/4, Edge Detection Sensor, Duplex Unit Entrance Sensor, Original Registration Sensor, Sensor Shift Home Position Switch, Inverter Feed-out Sensor, Inverter Feed-in Sensor, Relay Sensor, Paper Transport Belt Unit Set Sensor, Inverter Exit Sensor, Purge Relay Sensor, Purged Paper Sensor, Duplex Transport Home Position Sensor 1/2 	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
		<ul style="list-style-type: none"> Sensor Duplex Exit Sensor, Paper Exit Relay Sensor, Bypass Tray Upper Limit Sensor^{*1}, Bypass Tray Lower Limit Sensor^{*1}, Cleaning Web Contact Sensor^{*1}, Paper Height Sensors 1/2/3, Bypass Paper Length Sensor, Paper End Sensor (Tray 1 to 3), Paper Tray Upper Limit Sensor (Tray 1 to 3), Tray Lower Limit Sensor, Bypass Tray Paper End Sensor, Bypass Paper Feed Sensor, Bypass Paper Width Sensor, ITB Temperature/Humidity Sensor, Thermistor (M), Thermistor (K) 	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
		<ul style="list-style-type: none"> Decurl Unit Entrance Sensor, Exit Sensor, Decurler Roller HP Sensor, De-curl Roller Unit Set Sensor, De-curl Roller Set Direction Sensor, Front Door SW A3/11"x17" Tray Unit Type M26 	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace

6.Troubleshooting

FUSE	Output	Reason for Overcurrent	Action
		Paper Tray Set Sensor <ul style="list-style-type: none"> Accounting Device Option Key Card, Key Counter, Mechanical Counter	fuse)
FU4	24VS_CCP_G	Drawer Unit Lock Motor	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU5	24VS_CCP_A	<ul style="list-style-type: none"> Pick-up Solenoid (Tray 1) Pick-up Solenoid (Tray 2) 	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU6	24VS_C	Pick-up Solenoid (Tray 3)	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU7	24V_CCP_C	End Fence Rear Solenoid	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU8	24V_CCP_D	Left Tray Lock Solenoid	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)
FU9	24VS_CCP_F	Bypass Pick-up Solenoid	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace

FUSE	Output	Reason for Overcurrent	Action
			fuse)
FU10	24V_CCP_E	Cooling Fan Unit	<ul style="list-style-type: none"> Restore harnesses Replace PFB (Replace fuse)

*1; Pro C5200S/C5210S only



TDRB

FUSE	Output	Reason for Overcurrent	Action
FU1	24VS	<ul style="list-style-type: none"> ITB Motor Paper Transfer Belt Separation Motor 	Replace PCB or harnesses

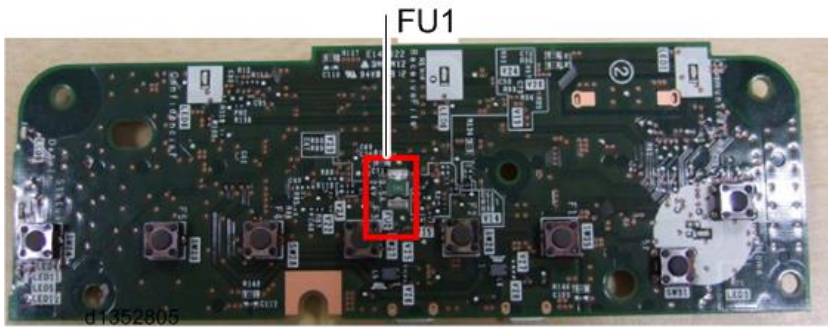


6.Troubleshooting

Operation Panel

OPR (Pro C5200S/C5210S: Standard Operation Panel)

FUSE	Output	Reason for Overcurrent	Action
FU1	3.3V	SD Card I/F	Replace OPR



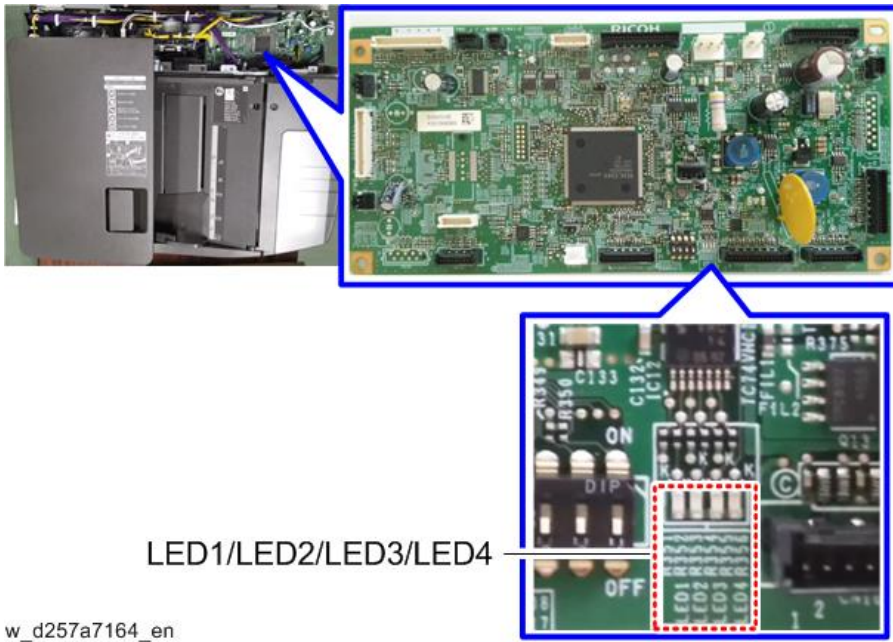
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LED Conditions

ADF Control Board

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Green	3.3V	Confirming download status	-	One of the followings; <ul style="list-style-type: none"> • Downloading the data from SD • Writing the data via the download cable 	Normal	-
LED2	Red	3.3V	Confirming machine status	-	One of the followings; <ul style="list-style-type: none"> • Downloading the data from SD • Writing the data via the download cable 	-	Blinking in cycles of 1 second: Normal Blinking in cycles of 0.5 second: Abnormal
LED3	Green	3.3V	Confirming download status	-	Writing the data via the download cable	Normal	
LED4	Red	3.3V	Confirming download status	-	Writing the data via the download cable	Normal	-

6.Troubleshooting

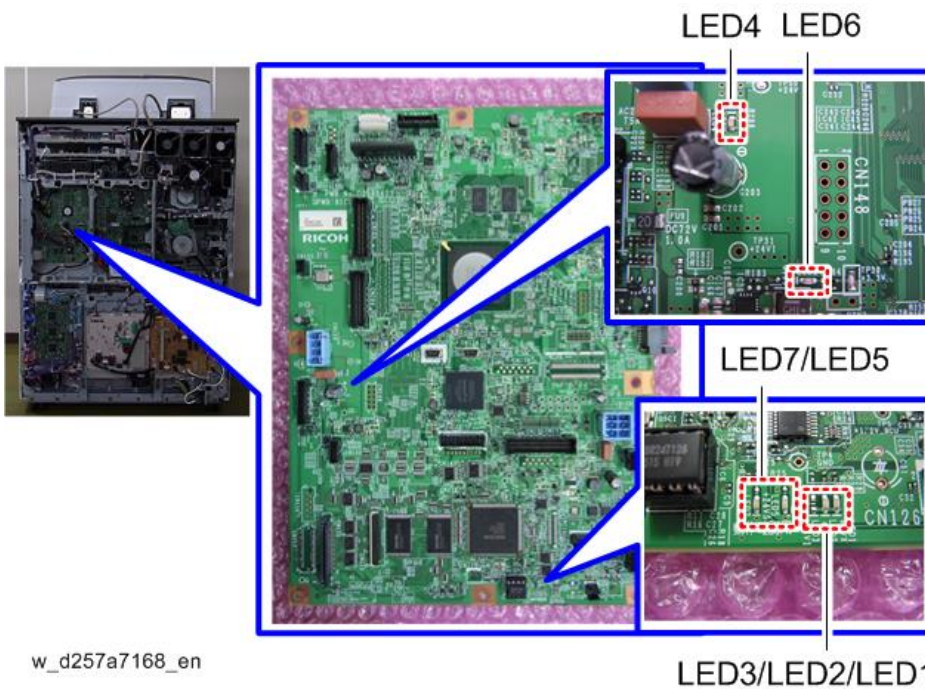


LED1/LED2/LED3/LED4

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BICU

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Red	5VX	Power Confirmation	-	Normal	Abnormal	-
LED2	Yellow	5V	Power Confirmation	-	Normal	Abnormal	-
LED4	Orange	24V	Power Confirmation	-	Normal	Abnormal	-
LED5	Orange	24VS	Power Confirmation	-	Normal	Abnormal	-
LED6	Green	3.3V	Power Confirmation	-	Normal	Abnormal	-
LED7	Red	3.3V	Operation Check	-	Abnormal	Abnormal	Normal



LED4 LED6

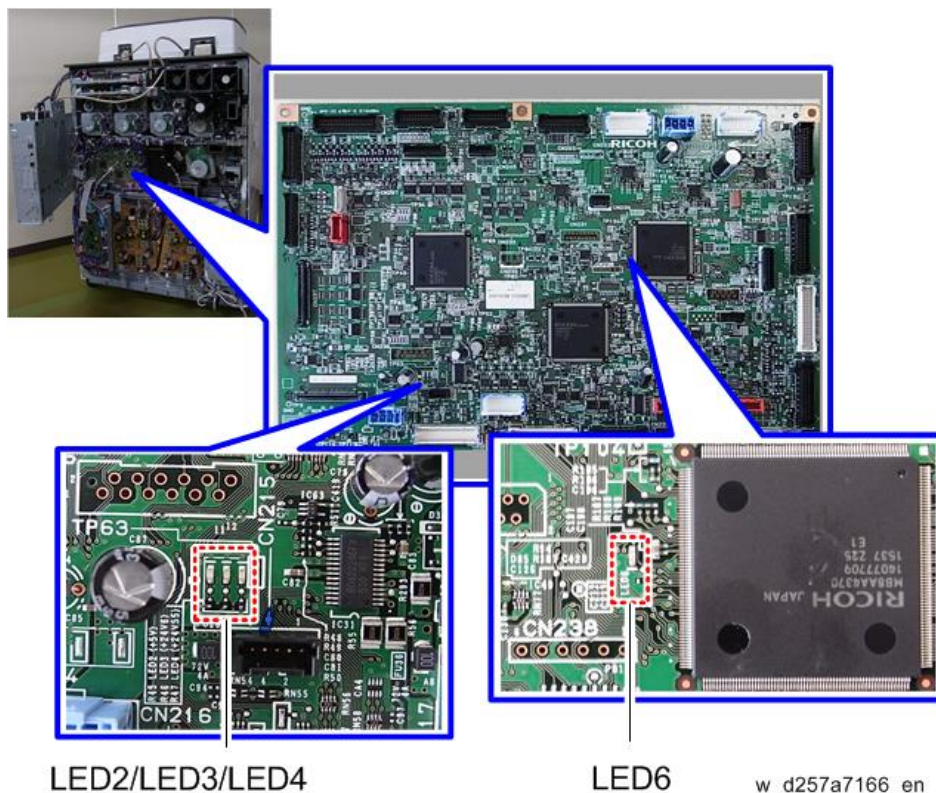
LED7/LED5

LED3/LED2/LED1

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IOB

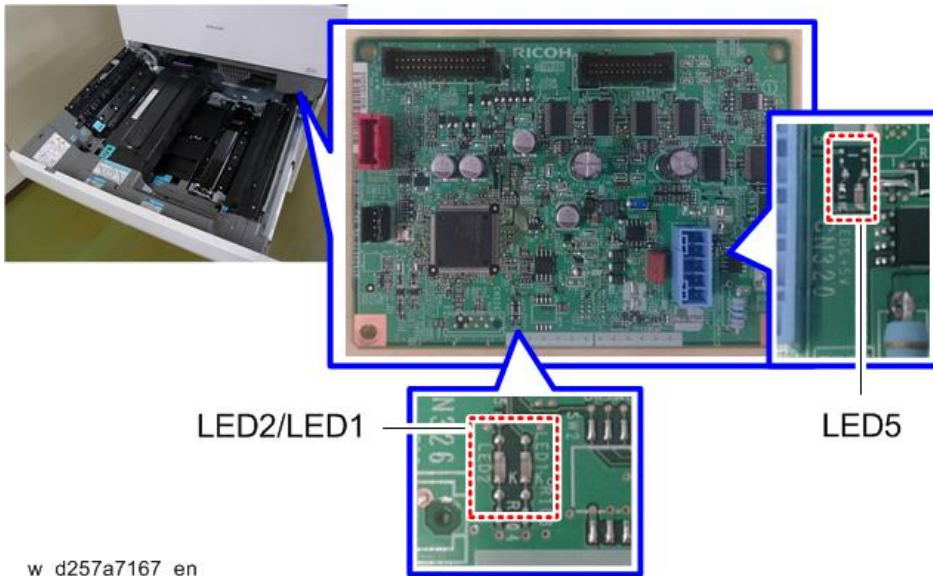
LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED2	Red	5V	Power Confirmation	-	Normal	Abnormal	-
LED3	Yellow	24V	Power Confirmation	-	Normal	Abnormal	-
LED4	Orange	24VS	Power Confirmation	-	Normal	Abnormal	-
LED6	Green	3.3V	Operation Check	-	Abnormal	Abnormal	Normal



Toner Supply Board (TSB)

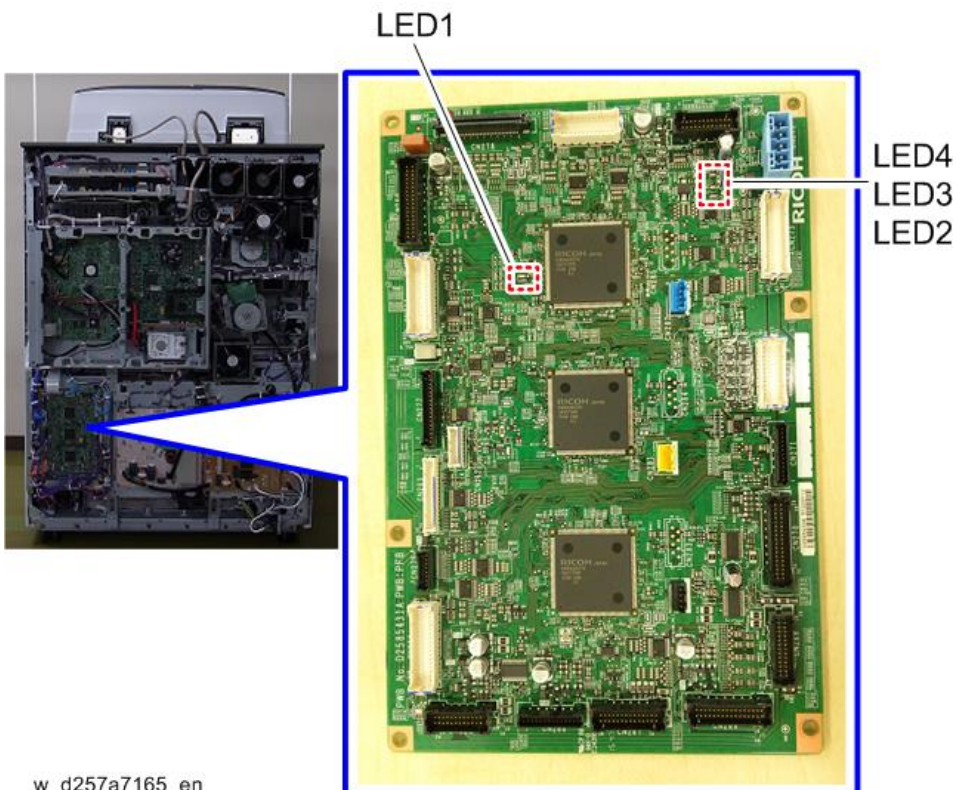
LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Green	3.3V	-	-	Abnormal	Normal	-
LED2	Orange	3.3V	Operation Check	-	Abnormal	Abnormal	Normal
LED5	Orange	24VS	Power Confirmation	FU2	Normal	Abnormal	-

6. Troubleshooting



PFB

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Green	3.3V	-	-	Abnormal	Normal	-
LED2	Red	5V	Power Confirmation	FU3	Normal	Abnormal	-
LED3	Yellow	24V	Power Confirmation	FU2	Normal	Abnormal	-
LED4	Orange	24VS	Power Confirmation	FU4	Normal	Abnormal	-

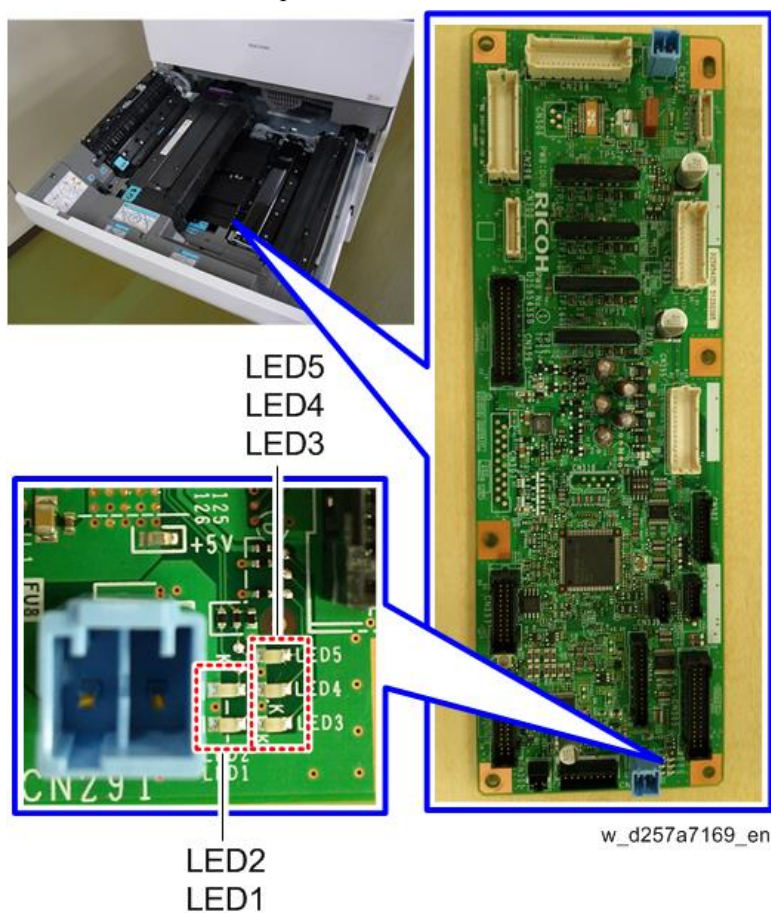


DUB

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Orange	3.3V	Operation Check	-	Abnormal	Abnormal	Normal
LED2	Green	3.3V	-	-	Abnormal	Normal	-
LED3	Green	5V	Power Confirmation	FU8	Normal	Abnormal	-
LED4*1	Yellow	24V	Power Confirmation	-	Normal	Abnormal	-
LED5*2	Orange	24VS	Power Confirmation	FU1	Normal	Abnormal	-

*1 The fuse is installed on the PFB.

*2 When the doors are open, LED5 is off.



SDCU

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Red	3.3V	Operation Check	-	Normal	Abnormal	-
LED2	Green	3.3V	Access Check of SD	-	SD is present	SD is absent	-

6.Troubleshooting



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Controller Board

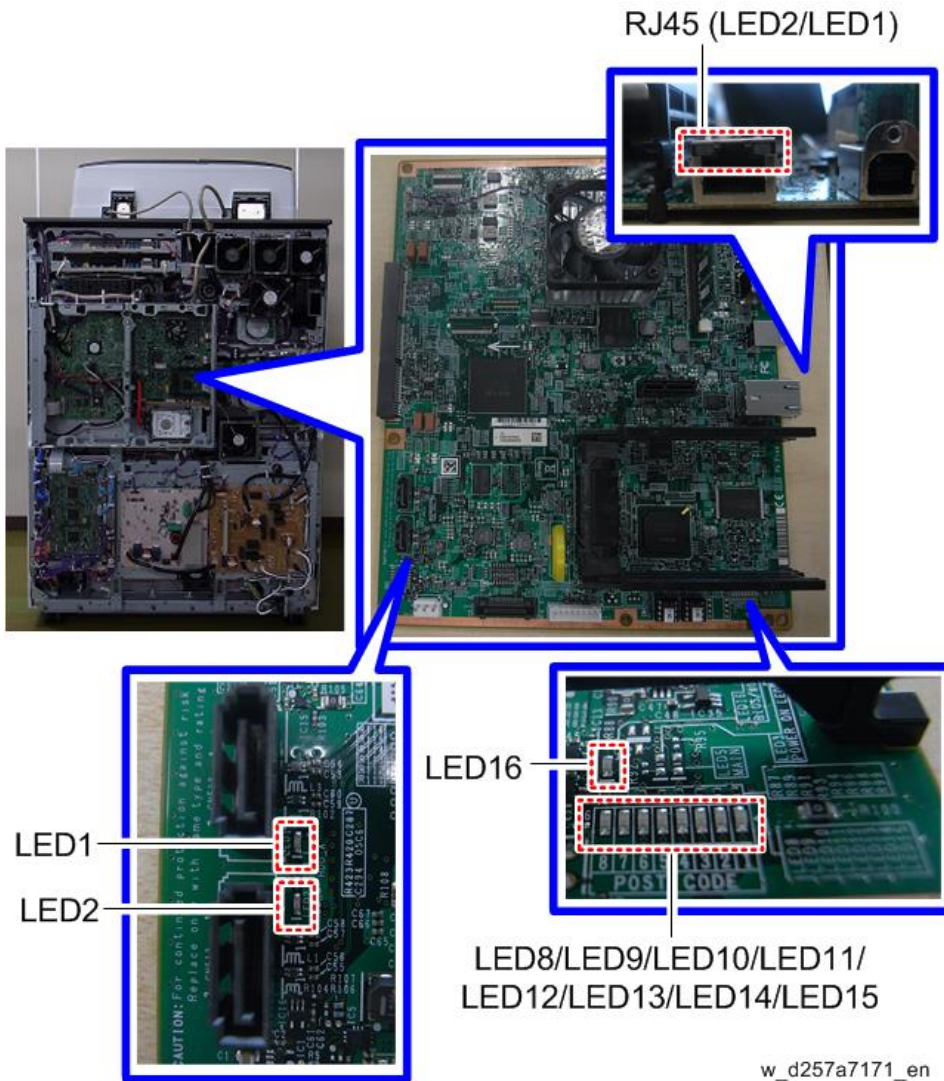
LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED1	Green	3.3VEP	LED lights during the controller board access to HDD	-	Accessing	Not Accessing	-
LED2	Green	3.3VEP	LED lights during the controller board access to HDD	-	Accessing	Not Accessing	-
LED16	Red	3.3VEP	Identify the BIOS/OS control	-	BIOS	OFF	OS
LED8	Red	3.3VEP	For POST code	-	Indicates the POST code		
LED9	Red	3.3VEP	For POST code	-			
LED10	Red	3.3VEP	For POST code	-			
LED11	Red	3.3VEP	For POST code	-			
LED12	Red	3.3VEP	For POST code	-			
LED13	Red	3.3VEP	For POST code	-			

LED					Function		
Address	Color	Power source voltage	Use	Fuse	Lighting	Off	Blinking
LED14	Red	3.3VEP	For POST code	-	<ul style="list-style-type: none"> • LED13: bit2 • LED14: bit1 • LED15: LSB bit0 		
LED15	Red	3.3VEP	For POST code	-			
RJ45	Red	3.3VE	Indicates Ethernet connecting status	-	See "LEDs of RJ45 (Ethernet Connector)".		
RJ45	Red	3.3VE	Indicates Ethernet connecting status	-			

LEDs of RJ45 (Ethernet Connector)

	LED1 (Orange)	LED2 (Green)
10BASE-T	OFF	ON
100BASE-TX	ON	OFF
1000BASE-T	ON	ON
STR	OFF	OFF

6. Troubleshooting



NICE Function (Pro C5200S/C5210S)

NICE stands for “Numerical Image Consistency Evaluation method” and is a software application for troubleshooting the following image quality issues:

- Front and back registration misalignment
- FR (front to rear) density inconsistency
- Banding
- Shock-jitter

Required Items

The following items are required for NICE.

No.	Item	Function
1	NICE SD card (software application for engine)	<ul style="list-style-type: none"> • Prints out test charts • Drives the embedded scanner (copier models) • Reads, writes and executes the engine SP • Generates tiff formatted files from scanned images
2	NICE software application for PC	<ul style="list-style-type: none"> • Analyses the scanned image and visualizes the problem through numeric conversions • Calculates the correction values
3	Embedded scanner on copier models	<ul style="list-style-type: none"> • Scans the test charts
4	Spectrophotometer (EFI: ES-1000 X-rite i1 Pro, ES-2000 X-rite i1 Pro2)	<ul style="list-style-type: none"> • Measures the colors on the test charts (used only for FR density adjustment)

The following service parts are provided for NICE.

No.	Item
1	NICE SD Card
2	Calibration chart

The following NICE applications and PC applications are provided for NICE.

No.	NICE Application	PC Application	Installer file name
1	FR density adjustment (Scanner)	Image View FR	NICE ImageView FR V2.1 Installer.7z
2	FR density adjustment (Spectrophotometer)	i1Profiler (Ver.1.5.6)	i1ProfilerSetup.exe
3	Banding Analysis	IQ Evaluation	NICE IQ Evaluation V2.0.zip
		Banding Analyzer	Setup NEW_COLOR_BANDING_ANALYZERv2.3.0.zip
4	Shock-jitter Finder	SJ Finder	<ul style="list-style-type: none"> • NICE SJ Finder V2.1 installer. 7z • SupportData.zip

6. Troubleshooting

Note

PC applications can be downloaded from the GKM website. GKM Answer ID is "210634".

PC Requirement

- Operating System: Microsoft Windows 7, 8.1, 10
- Application Soft: Microsoft Excel 2010 or 2013

Common Procedure for Scanning Test Chart

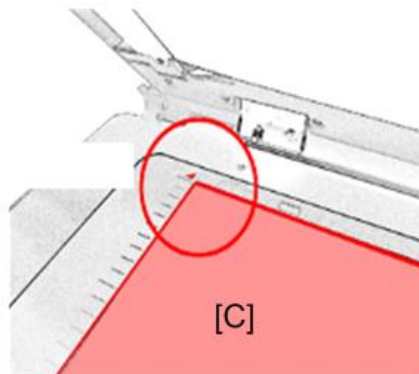
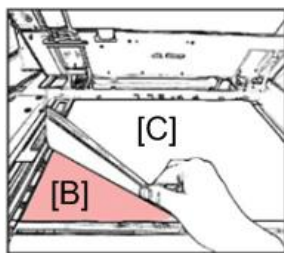
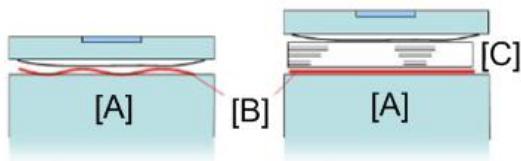
When the test chart needs to be scanned, follow the procedure below.

1. Clean the exposure glass and place the test chart so that the bar-code printed on the chart positions to the left.



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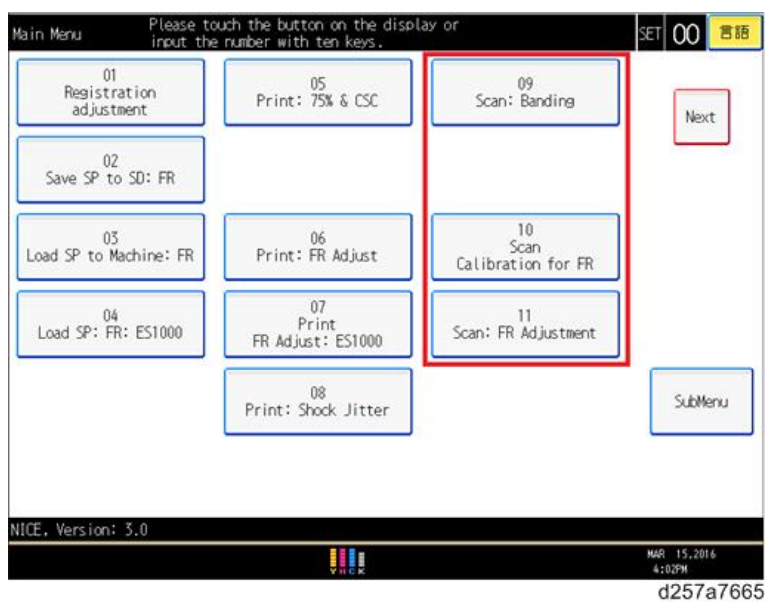
2. For secure contact between the exposure glass and chart, put approximately 20 sheets of paper on top of the chart. Make sure to match the corners of the paper and exposure glass.



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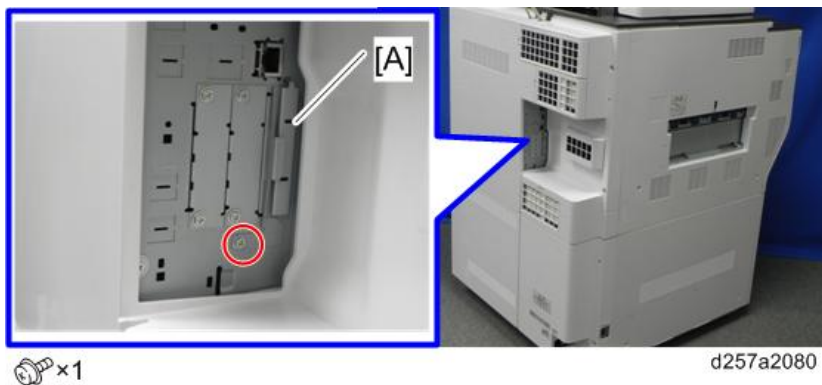
- [A]: Scanner
- [B]: Chart
- [C]: Paper

3. Press the Scan button for the adjustment required on the NICE main menu screen.

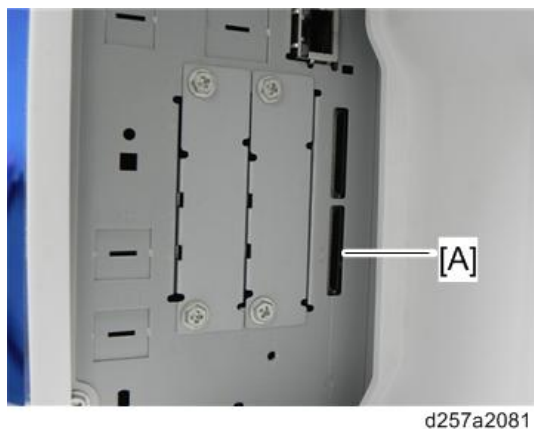


How to Activate NICE

1. Turn off the main power.
2. Remove the SD card slot cover [A].



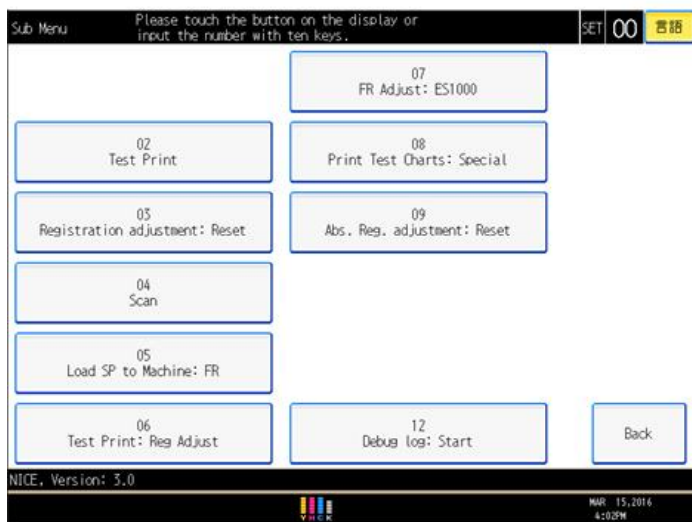
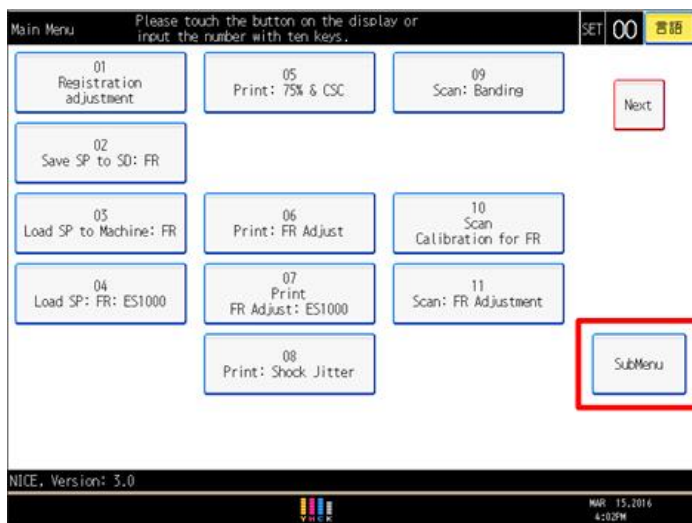
3. Insert the NICE SD card into the service slot [A].



4. Turn on the main power.

6. Troubleshooting

5. The NICE main menu is displayed. Press [SubMenu] to open the NICE sub menu.



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Reference Side Registration Adjustment

This is the precise registration adjustment of the reference side. Using this function together with [Front and Back Registration Adjustment](#) will achieve very precise registration.

↓ Note

- The registration side for this model is the front side.
- The following media sizes are supported: SRA3, A3, 13" x 19", 12" x 18", 11" x 17", 315mm x 450mm, 318mm x 469mm , custom paper sizes between A4 and 13"x19"

Preparation

Prepare the following in advance:

- a) The custom paper which is specified in the tray paper settings.
- b) Registration tool

The registration tool is made by combining the following sheets and covers, which are service parts. The

registration tool is different for each paper color and should be used in the following combinations.

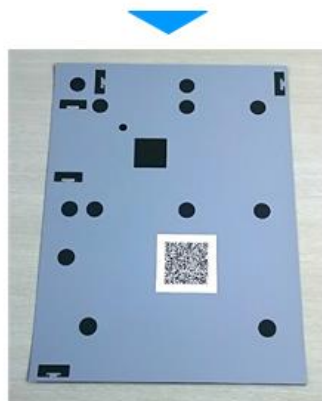
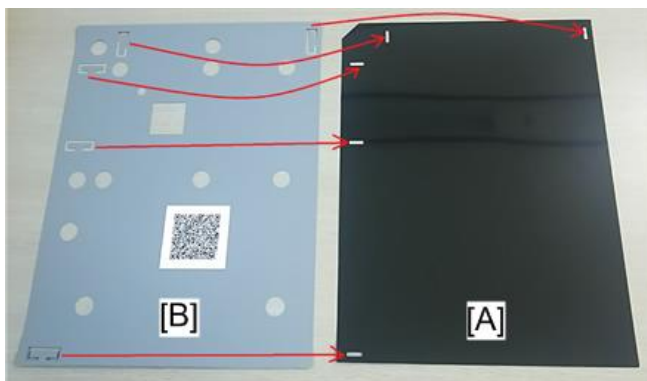
- For white paper: Gray Sheet, White Cover
- For color paper: Gray Sheet, White Cover
- For gray paper: Black Sheet, White Cover
- For black paper: Gray Sheet, White Cover

Note

- If an error occurs with color paper, redo the adjustment as follows.
 - If the color of the paper is closer to white (than black), use the registration tool for white paper.
 - If the color of the paper is closer to black (than white), use the registration tool for black paper.

How to Combine the Sheet and Cover

1. Match the 5 hooks to combine the sheet [A] and the cover [B] as shown below.



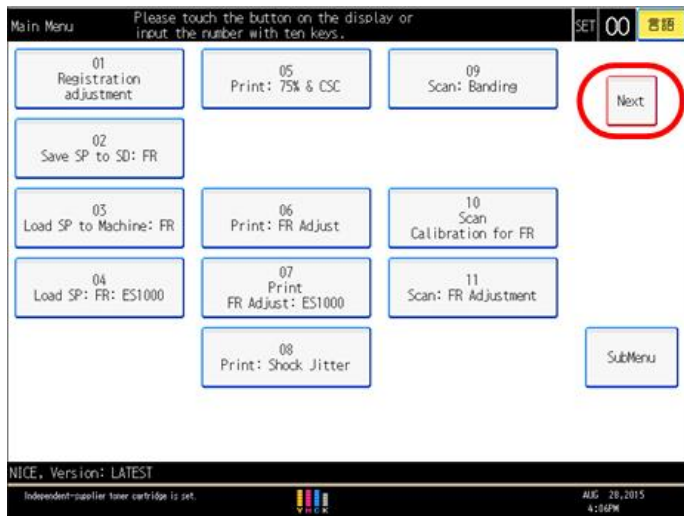
d257a7589

Adjustment Procedure

1. Display the NICE main menu. ([How to Activate NICE](#))

6. Troubleshooting

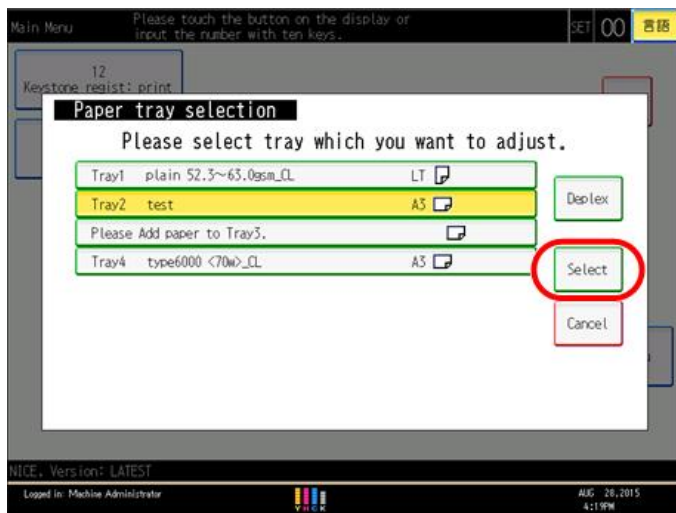
2. Press "Next" on the NICE main menu screen.



d257a7595

3. Press "Keystone regist: print".

4. Select the tray for the registration adjustment, and then press "Select".



d257a7591

Note

- The adjustment is done for each tray.
- Adjustment is available only for trays associated with the custom paper library. Trays used under manual settings are greyed out and cannot be adjusted for registration.
- Pressing "Duplex" will switch to "Simplex". The default is set to "Duplex". Switch to "Simplex" for precise registration of the first side.

5. Press "[Start] OK".

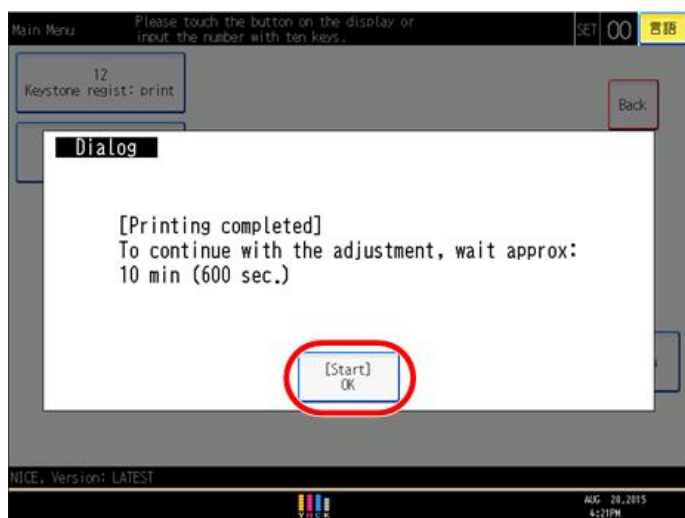


d257a7592

6. The machine makes the following printouts.

- Test chart (3 sheets)
- Black sheet (3 copies printed respectively before and after the test chart)

7. Press "[Start] OK".



d257a7593

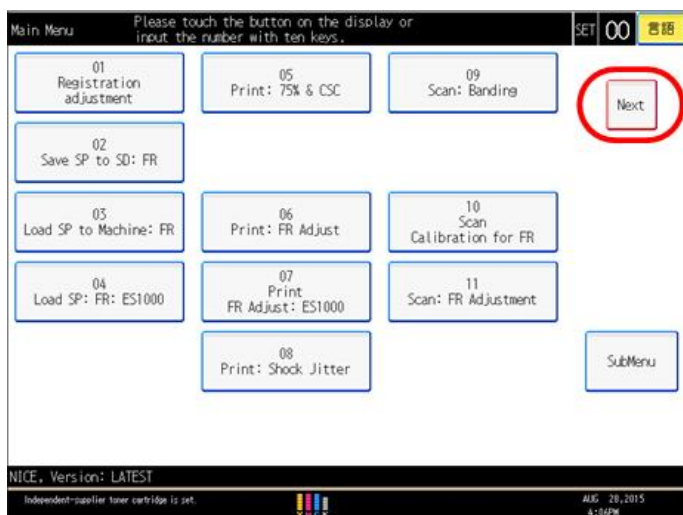
6.Troubleshooting

8. Press "[Start] OK".



d257a7594

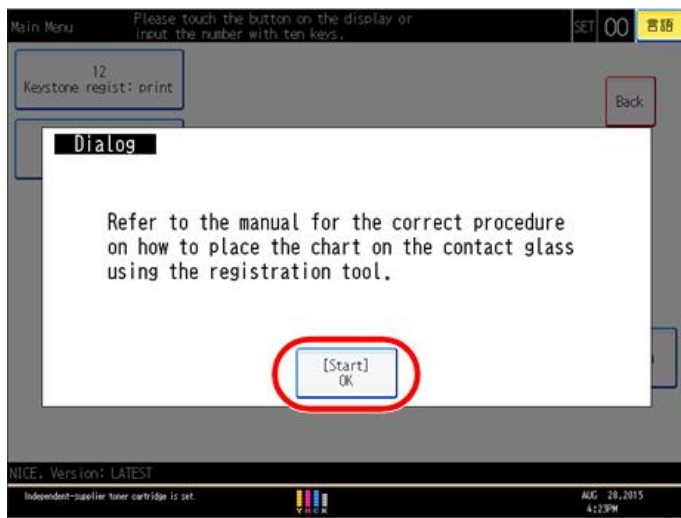
9. Press "Next" on the NICE main menu screen.



d257a7595

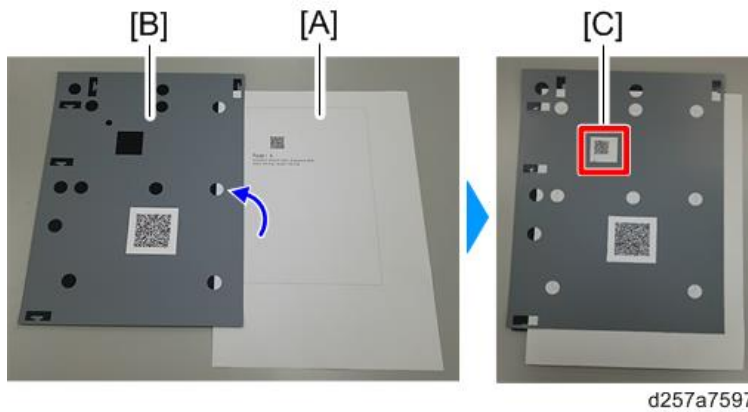
10. Press "Keystone regist: adjust".

11. Press "[Start] OK".



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12. Attach the test chart [A] to the registration tool [B], so that the QR code [C] appears through the cut-out.

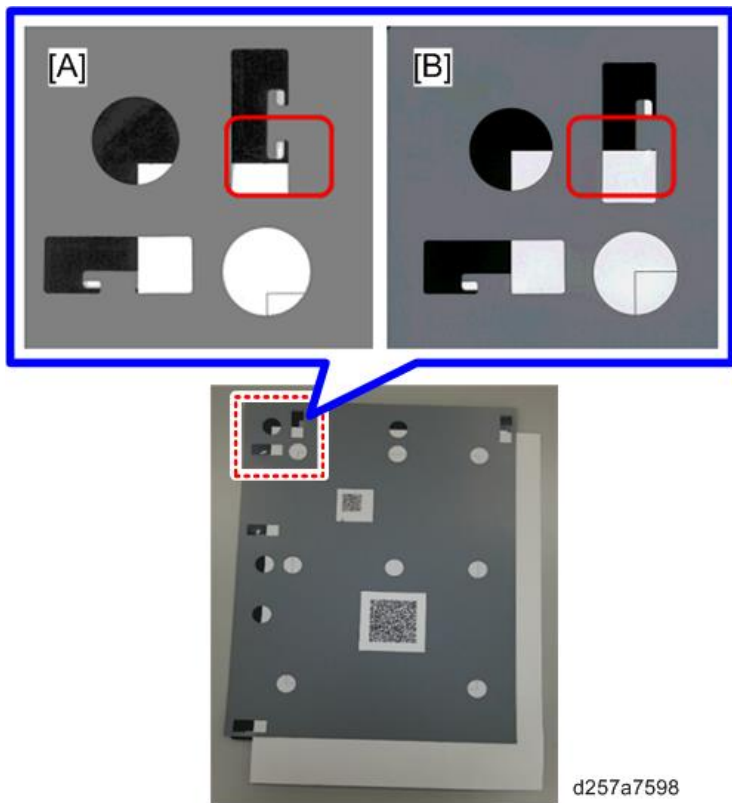


d257a7597

Note

Make sure that the edge of the test chart is inside the slit of the hook as shown below.

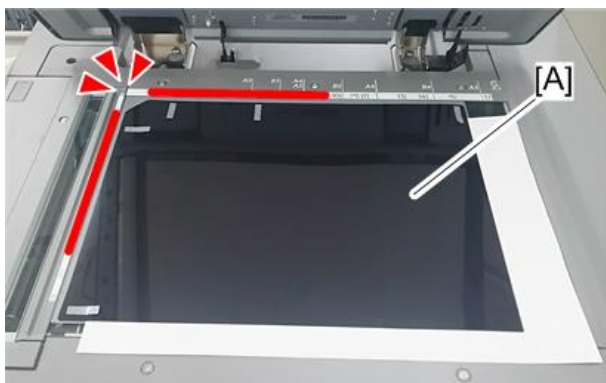
6.Troubleshooting



d257a7598

- [A]: Bad
- [B]: Good

13. Place the chart [A] and the attached registration tool on the exposure glass so that the side printed with the bar code faces down.



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Note

Make sure the top and left edges of the chart are set flush against the edges of the exposure glass.

14. Press "[Start] OK" to start the scan.**Note**

If 10 minutes have not elapsed since the test charts were printed, the following message will appear. Precise adjustment results may not be obtained if you do not wait for 10 minutes.



6. Troubleshooting

- 15.** After the scan is completed, remove the chart from the exposure glass. Then press "[Start] OK" on the following screen. Do the same for the 2 other charts.



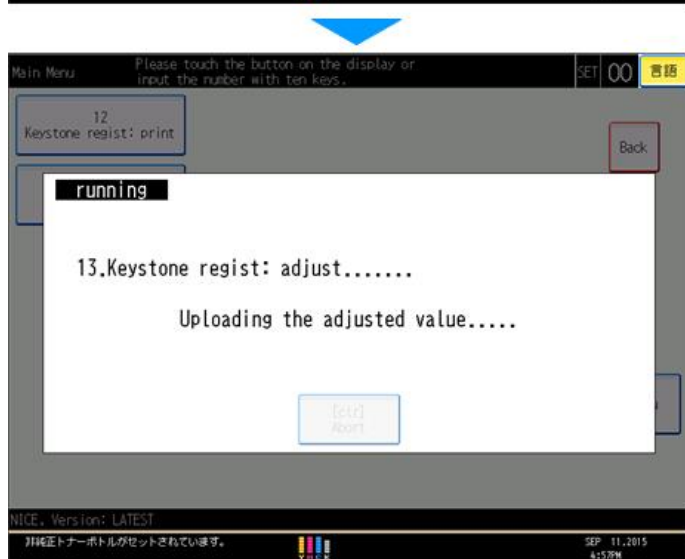
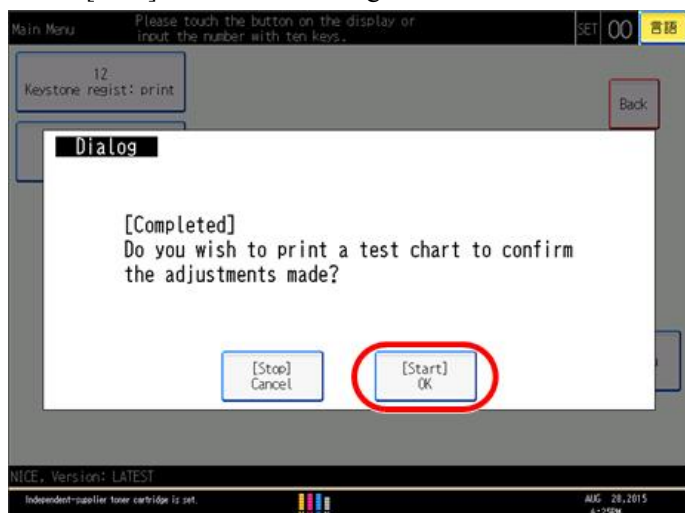
Note

- If the chart was scanned incorrectly as in the following list, an error message will appear.
 - The same chart was scanned.
 - The QR code was not scanned.
 - The chart was not placed correctly on the exposure glass.



- If the error message appears, press "[Start] Retry" and scan again to recover from the error.

16. Press "[Start] OK" after scanning all three charts to confirm that the adjustments were made.



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17. Press "[Start] OK" to finish.



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18. Turn OFF the machine power and remove the NICE SD card from the service card slot.

6.Troubleshooting

Front and Back Registration Adjustment

This adjustment method is faster and easier compared to the Skilled Operators menu. The front and back side registration adjustment is performed by NICE with the following method.

- For the registration adjustment, adjust the leading edge of the back side to match the front side.
- For the magnification adjustment, adjust the image size of the back side to match the front side.

Note

The following media sizes are supported: SRA3, A3, 13" x 19", 12" x 18", 11" x 17", 315mm x 450mm, 318mm x 469mm , custom paper sizes between A4 and 13"x19"

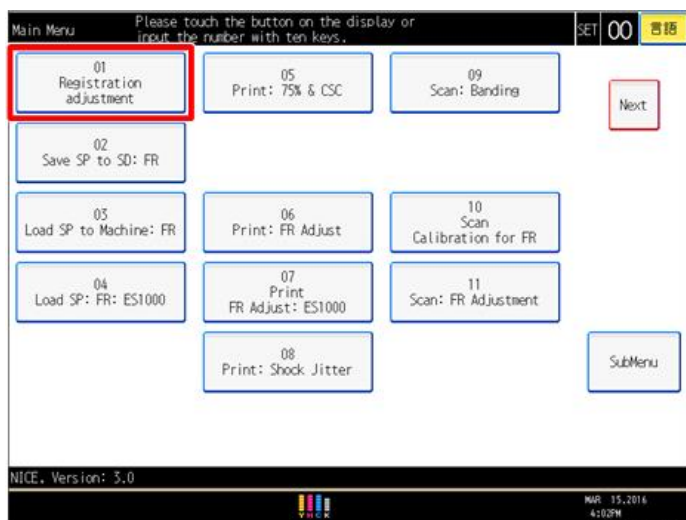
Preparation

Correct the image skew in advance.

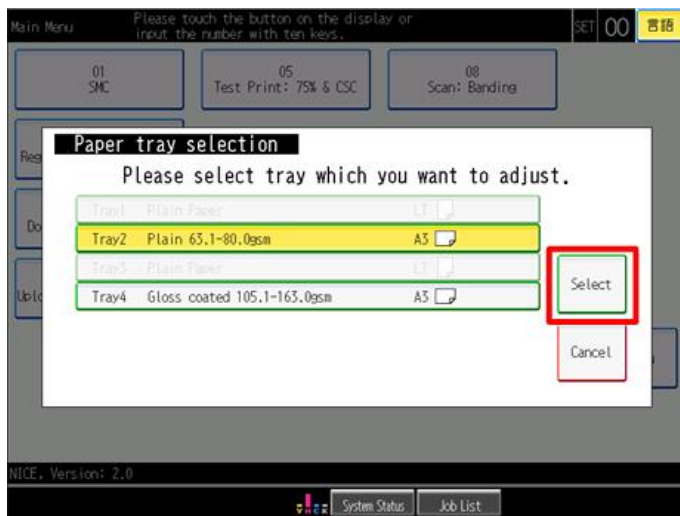
Prepare the custom paper which is specified in the tray paper settings.

Adjustment Procedure

- 1.** Display the NICE main menu. ([How to Activate NICE](#))
- 2.** Press "Registration Adjustment" on the NICE main menu.



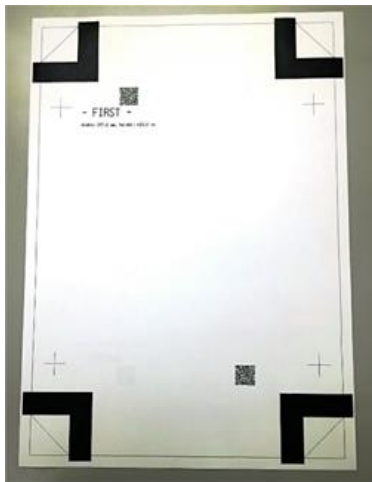
3. Press "Select" to print out the test charts.



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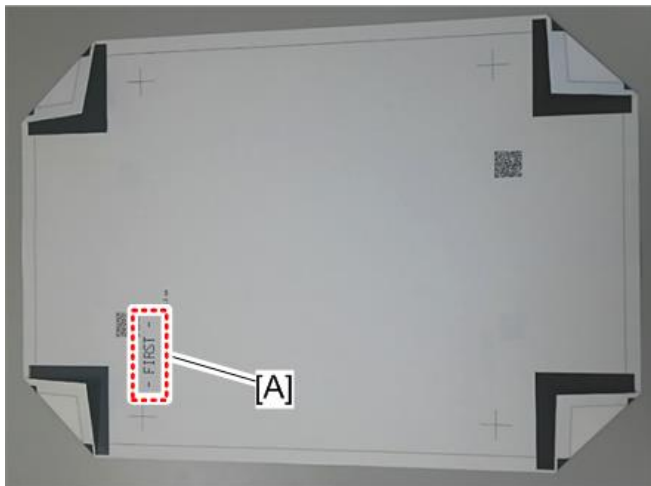
Note

3 copies of the following chart will be printed in duplex along with a few blank sheets.



d257a7608

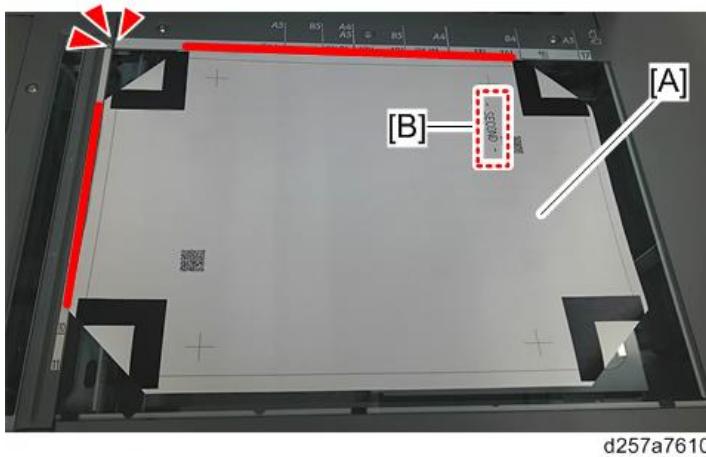
4. Place the chart on a table, so that the side indicated "FIRST" [A] faces up and fold the 4 corners along the dotted lines as shown below. Do the same for the remaining 2 charts.



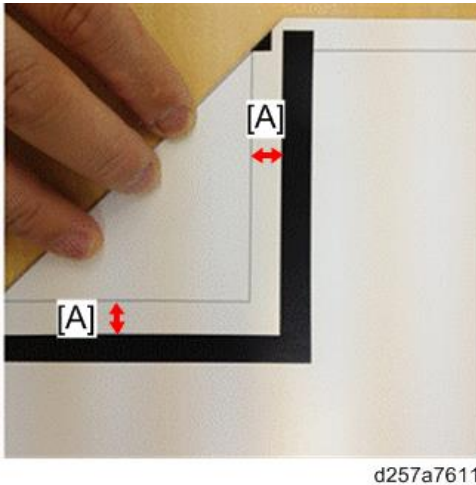
d257a7609

6. Troubleshooting

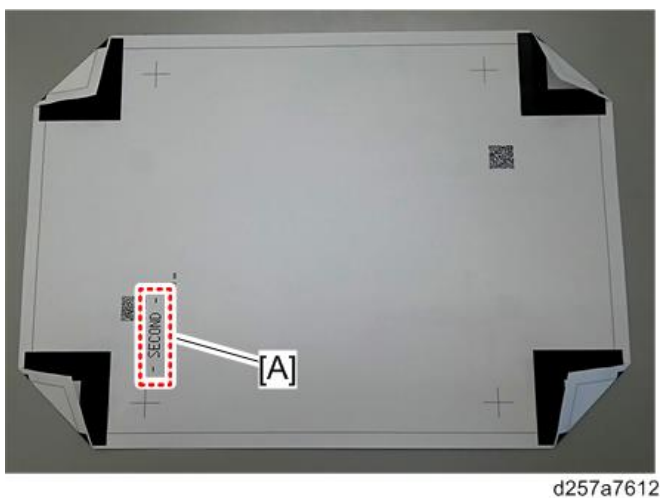
5. Place the chart [A] on the exposure glass, so that the side indicated "SECOND" [B] faces up.



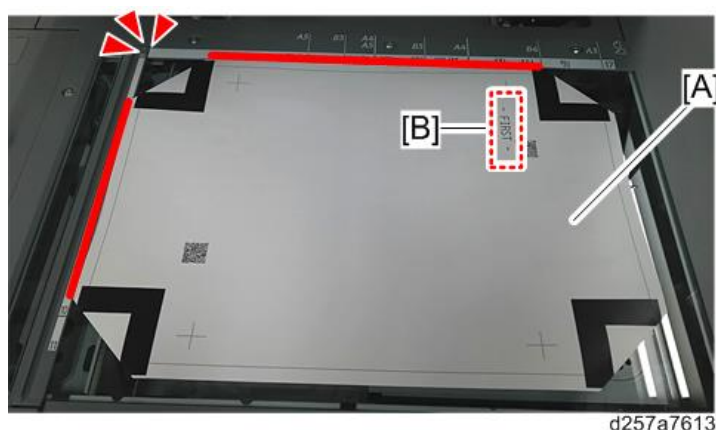
6. Scan the "FIRST" side of all 3 charts. From the scanned data, the software application contained in the NICE SD card reads the distance [A] between the dotted lines along the folded edges and the paper edge on all 4 corners.



7. On the table, fold the same 4 corners in reverse so that the corners appear on the side indicated "SECOND" [A]. Do the same for all 3 charts.



- 8.** Place the chart [A] on the exposure glass so that the side indicated "FIRST" [B] faces up.



- 9.** Scan the "SECOND" side of all 3 charts.

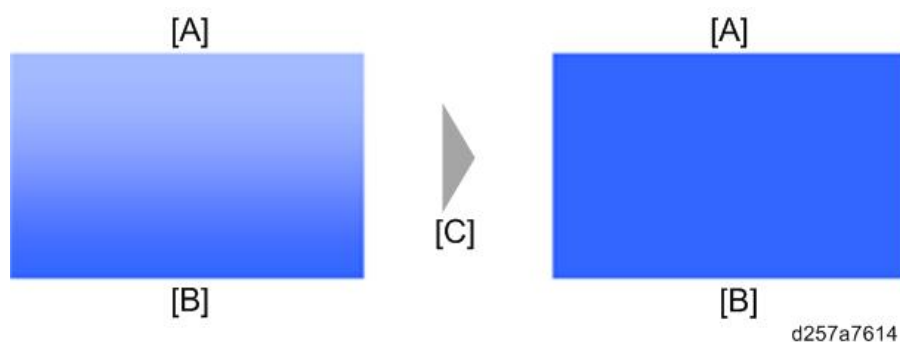
With the measurements obtained in steps 6 and 9, SP values for front and back registration are corrected.

- 10.** Print out the trimming chart to check the results.

- 11.** Turn OFF the machine power and remove the NICE SD card from the service card slot.

FR Density Adjustment

NICE calculates and corrects the shading value in the main scan direction and applies the corrections to the engine (SP).



- [A]: R (non-operator side)
- [B]: F (operator side)
- [C]: Adjusting the shading SP

Preparation

Take note of the following points before you begin the adjustment.

- Check if the uneven density can be corrected with "Adjust Density Difference Across Feed Direction" in the Adjustment Settings for Skilled Operators menu. The adjustments made in this menu take effect only after power cycling the machine. If there is no improvement, set the value(s) back to "0" and turn the main power off/on.
- Replace parts exceeding life, if any.
- Clean the dust shield glass of the laser unit.

6. Troubleshooting

- Clean the doctor gap.
- For adjustments using the scanner, unzip the installer zip file: "NICE ImageView FR V2.1 Installer.7z" and run "set up .exe". DO NOT apply changes to the file directory.
- For adjustments using the spectrophotometer, run "i1ProfilerSetup.exe" and install "i1 Profiler."
- Prepare A3 or DLT size coated paper.

Adjustment Procedure Using the Scanner

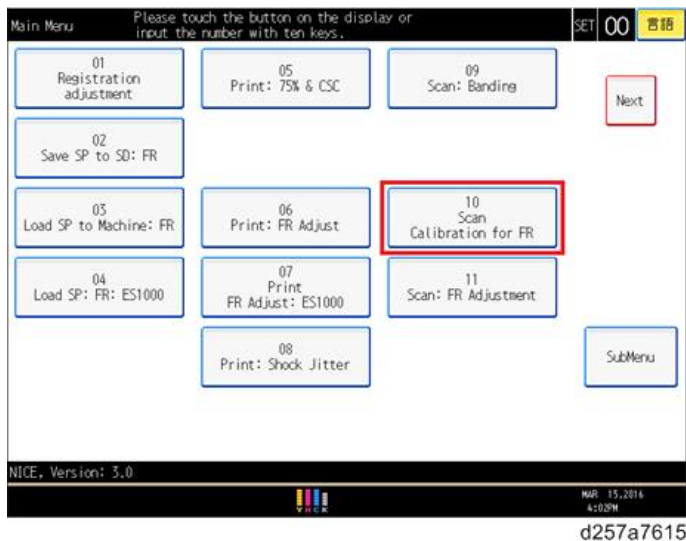
1. Scanner Calibration

1. Place a blank piece of A3/DLT coated paper on the exposure glass.

Note

For the correct scanning procedure, see "Common Procedure for Scanning Test Chart" in [NICE Function \(Pro C5200S/C5210S\)](#).

2. Display the NICE main menu. ([How to Activate NICE](#))
3. Press "Scan: Calibration for FR" on the NICE main menu screen.



4. Remove the blank piece of paper from the exposure glass.

Important

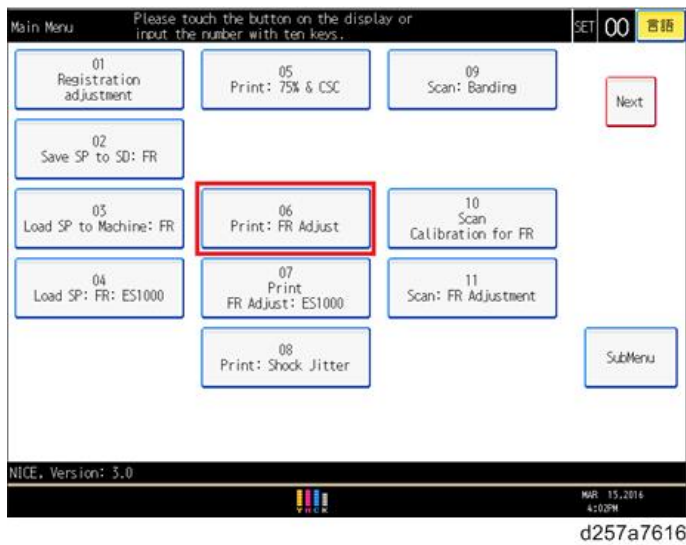
The blank paper must be of the same paper used for printing test charts.

Note

- Calibration data will be stored in the SD card.
- Scanner calibration is required only once for multiple FR density adjustments performed on the same day on the same machine.
- Following paper types are not recommended: Colored paper, textured paper, cast coated paper (Adjustment precision may decrease).

2. Adjustment Procedure

1. Press "Print: FR Adjust" on the NICE main menu screen.



2. 75%/60% (75U/60L) and 30%/15% (30U/15L) halftone charts will be printed in CMYK (total of 8 sheets).

Note

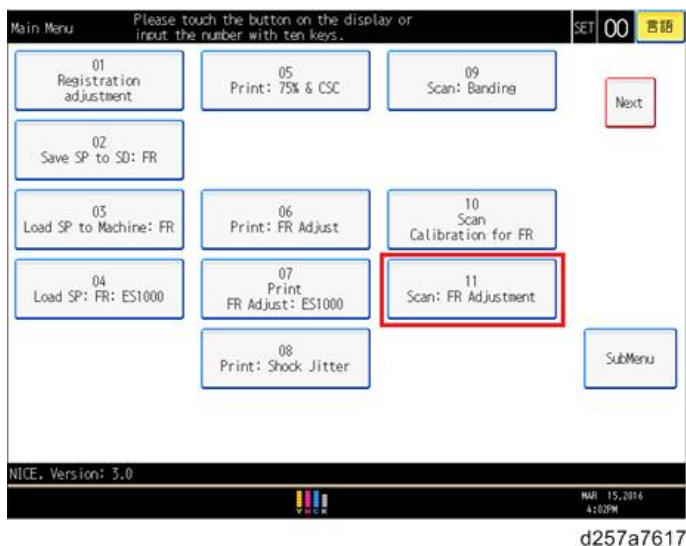
- 75%/60% (75U/60L) and 30%/15% (30U/15L) halftone charts will be printed in CMYK (total of 8 sheets).



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- This test chart can only be printed on A3 or DLT paper.

3. Place the 75U/60L and 30U/15L charts of the affected color on the exposure glass and press "Scan: FR Adjustment" to scan these charts.

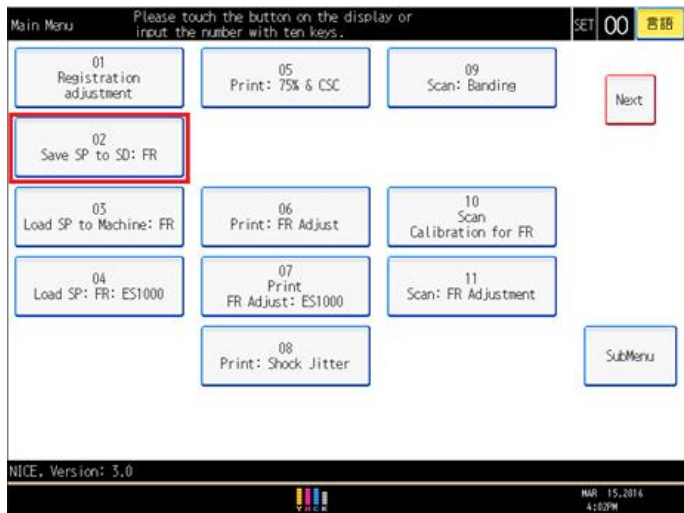


6. Troubleshooting

Note

For the correct scanning procedure, see "Common Procedure for Scanning Test Chart" in [NICE Function \(Pro C5200S/C5210S\)](#).

4. Press "Save SP to SD: FR" to copy the engine SP data onto the SD card.
SP data (SP2-152-xxx) will be saved as a csv file on the SD card.



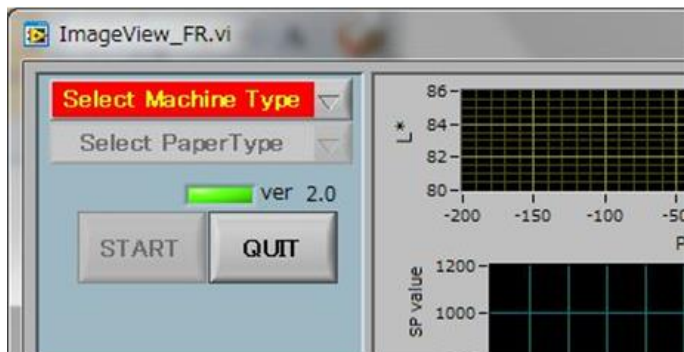
d257a7618

5. Turn off the main power and remove the SD card from the service slot and insert the SD card into your PC.
6. Start up the "Image View FR" and click "START".



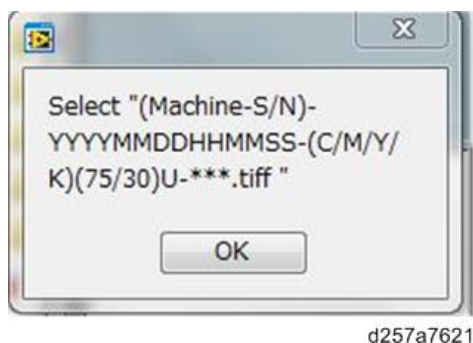
d257a7619

7. Select the machine type and paper size (A3 or DLT).

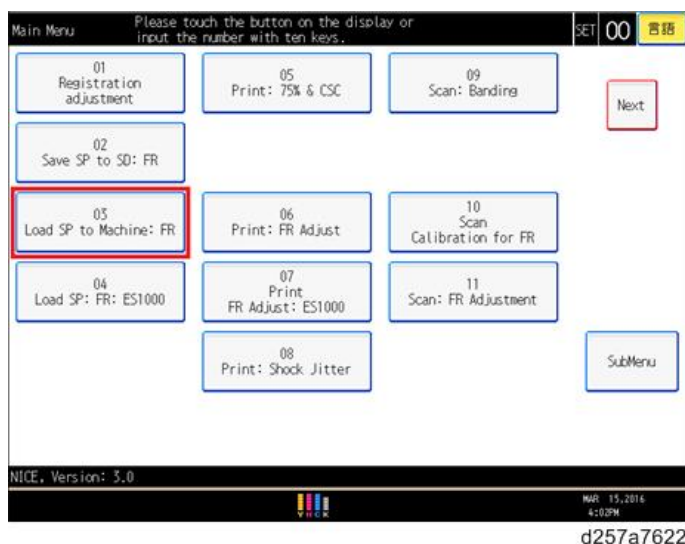


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- 8.** Click "START" and select the tiff files (75/30U tiff files) requiring the adjustment and csv file (s/n_shading_before.csv) saved on the SD card in step 4.



- 9.** Wait until the calculation process completes.
- File "s/n_shading_after_75/60/30/15.csv" will be saved on the SD card, which contains the modified shading SP value.
 - (S/N)_shading_after_75.csv: The adjustment result for 75% halftone chart.
 - (S/N)_shading_after_60.csv: The adjustment result for 60% halftone chart.
 - (S/N)_shading_after_30.csv: The adjustment result for 30% halftone chart.
 - (S/N)_shading_after_15.csv: The adjustment result for 15% halftone chart.
 - The original csv file will be renamed as "yyymmdd_hhmm_s/n_shading_xbefore.csv".
- 10.** Remove the SD card from the PC, and then insert it into the service slot of the main machine.
- 11.** Turn on the main power and press "Upload SP to Machine: FR" on the NICE main menu screen. The file "(S/N)_shading_after_60.csv" is uploaded to the machine.



- 12.** Turn the machine power off/on for the modified SP values to take effect.
- 13.** Repeat the above steps until the desired results are obtained.

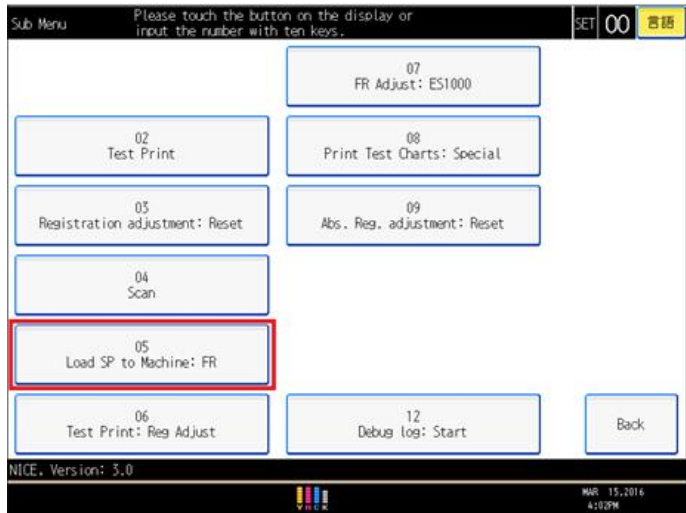
How to Retrieve the Original SP Value

If you need to retrieve the previous setting, do the procedure below.

- 1.** Select the " yyymmdd_hhmm_s/n_shading_xbefore.csv " file you wish to retrieve the original SP value for.

6. Troubleshooting

2. Delete "yymmdd_hhmm_" from the file name.
3. Replace the portion "xbefore" with "origin" so that the file is renamed "(S/N)_shading_origin.csv".
4. Remove the SD card from the PC, and then insert it into the service slot of the main machine.
5. Display the NICE sub menu. ([How to Activate NICE](#))
6. Press "Load SP to Machine: FR".



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7. Press "Origin".



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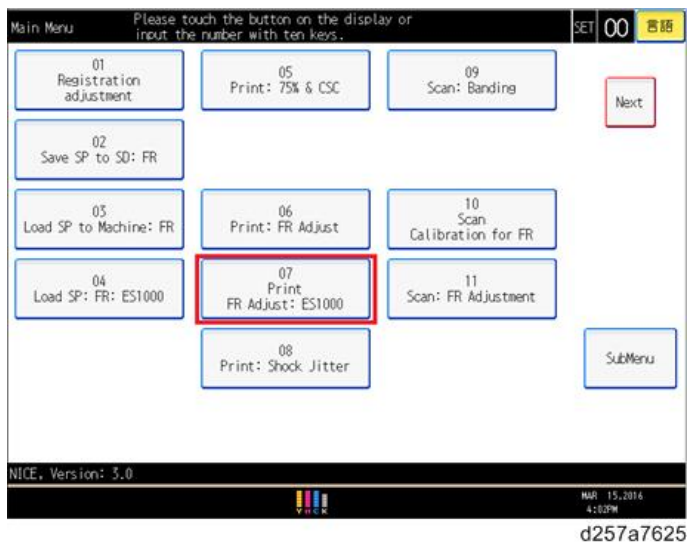
8. Turn off/on the main power for the original SP value to take effect.

Adjustment Procedure Using the Spectrophotometer

1. Printing the Test Chart

1. Display the NICE main menu screen. ([How to Activate NICE](#))

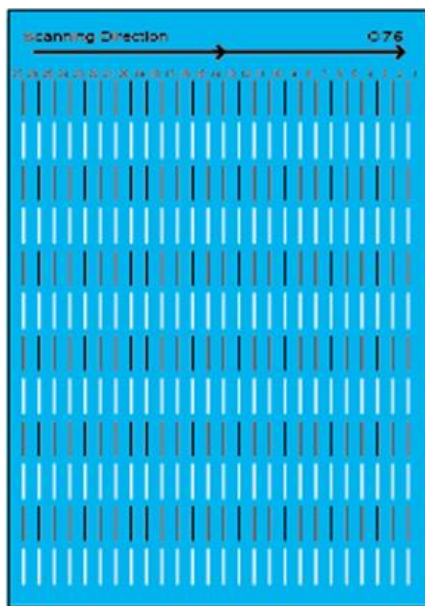
2. Press "Print: FR Adjust: ES1000" to print out the test chart.



Note

Use coated paper to print out the test chart.

3. Confirm that 4 copies of the test chart (K,C,M,Y) were printed out.



4. Turn off the main machine and remove the NICE SD card from the service slot.

2. Measuring the Charts with the Spectrophotometer

Note

Install the "Profiler Ver.1.5.6". After installing the i1 profiler, be sure to uncheck the checkbox "Check version and license status at startup." as shown here below. After unchecking the check box, "Check for update:" becomes "OFF".

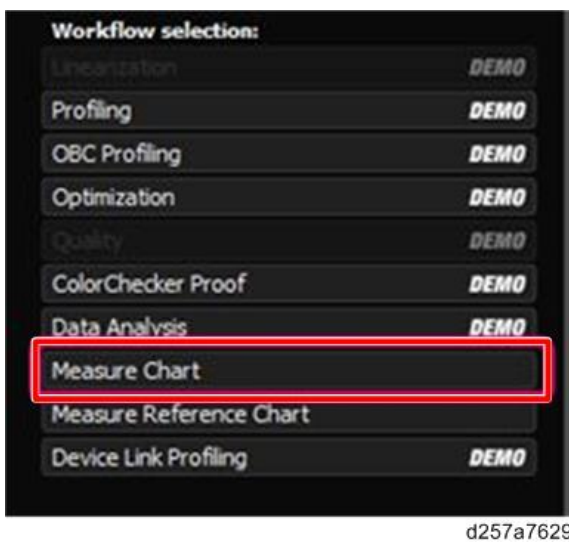
6. Troubleshooting



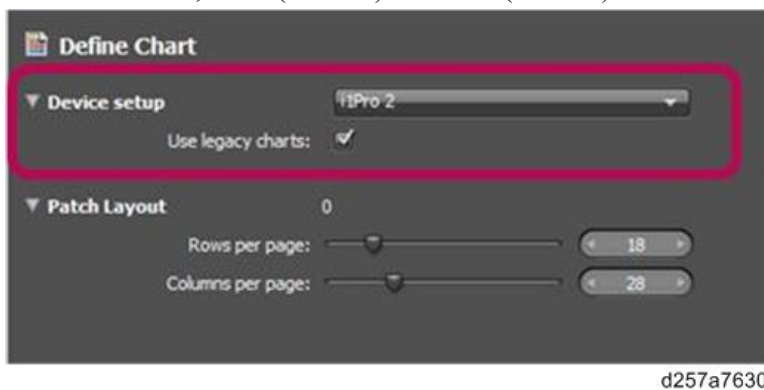
1. Insert the NICE SD card into the SD card slot on your PC.
2. Open the i1 Profiler and change the user mode to "Advanced".



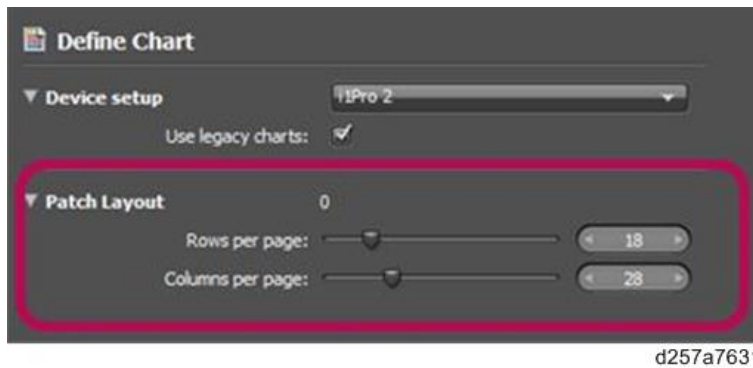
3. Select "Measure Chart" under "Workflow selection".



4. Select the device, i1Pro (ES1000) or i1Pro2 (ES2000). If the device is i1 Pro2, specify "Use Legacy Charts".



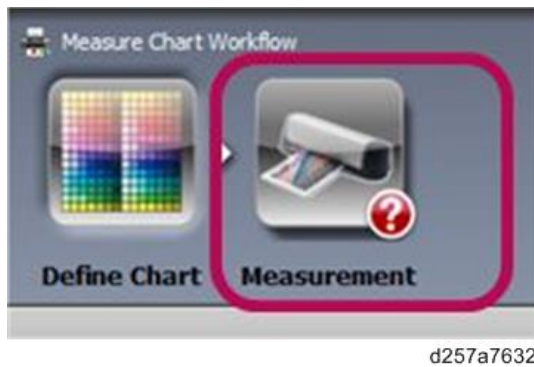
5. Specify the "Patch Layout" settings by referring to the table below.



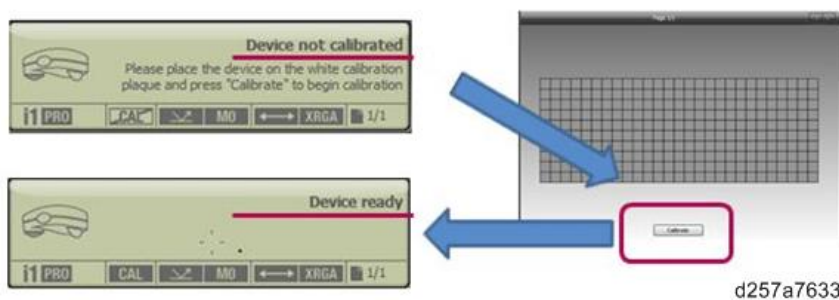
	A3	SRA3	11x17 (DLT)	12x18	13x19
Rows per page	10	10	10	10	10
Columns per page	27	29	25	27	29

6. Connect the spectrophotometer to your PC.

7. Click the "Measurement" icon.



8. If the message "Device not calibrated" appears, click "Calibration" and wait for the spectrophotometer to reach ready status.

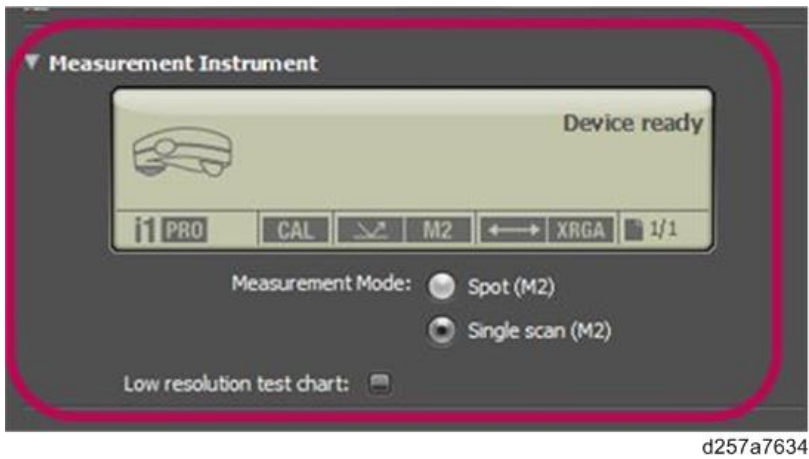


Note

- If the calibration fails as a result of insufficient power supply from the USB port, use a bus powered type USB hub.
- If the calibration fails due to deterioration of the light source, contact the vendor of the spectrophotometer.

6. Troubleshooting

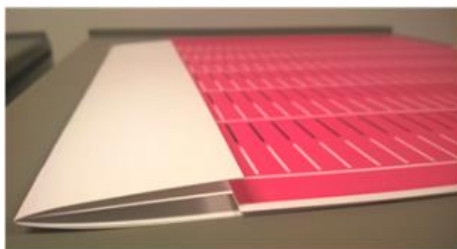
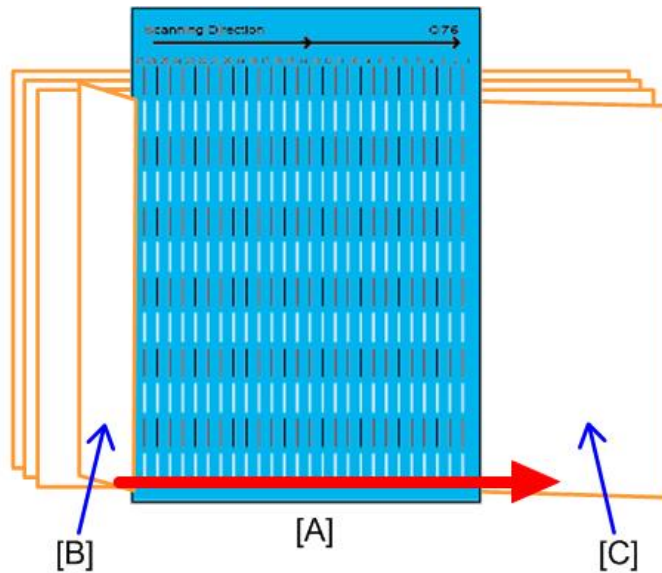
9. Select "Single scan" for "Measurement Mode".



10. Scan the test chart for the color requiring the adjustment.

Note

- Place the test chart on top of a stack of approximately 10 sheets as shown below.



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[A]: Scan Direction

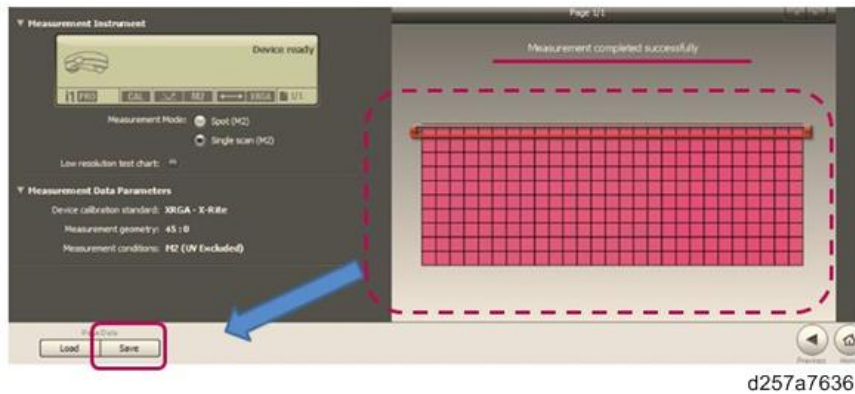
[B]: Fold along the margin

[C]: Set a stack of approximately 10 blank sheets from the same lot as the chart.

- Paper used for the chart and the stack should be from the same lot.
- Make sure to always scan 10 lines, no more or no less. However, if a band is observed in a line, avoid scanning that line.

- It is recommended to scan from the bottom line to avoid scratches caused by the cable of the spectrophotometer.
- Look at the PC screen and confirm that scanning has completed before scanning the next line.

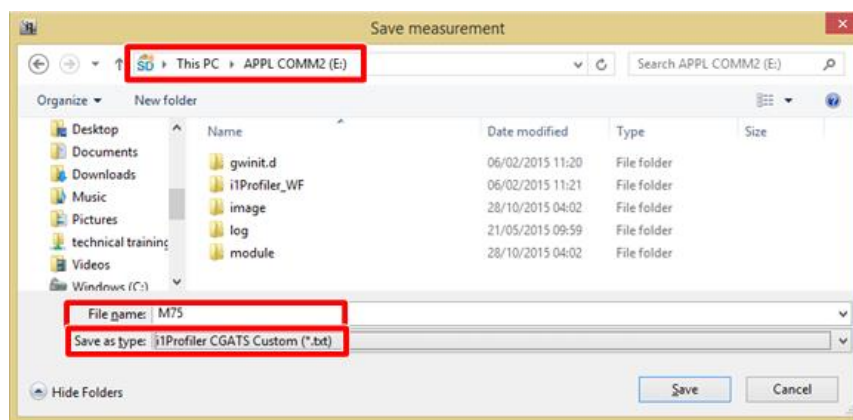
11. After scanning 10 lines, click "Save".



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12. Specify the following on the "Save measurement" Screen.

- Save location: Specify the root directory of the NICE SD card.
- File Name: Specify the name same as the chart name (K75, M75, C75, or Y75). The chart name is indicated on the top right corner of the test chart. Naming is critical: do not use lower case, do not add anything. Specify only the chart name.
- File Type: Select i1 Profiler CGATS Custom (*.txt)

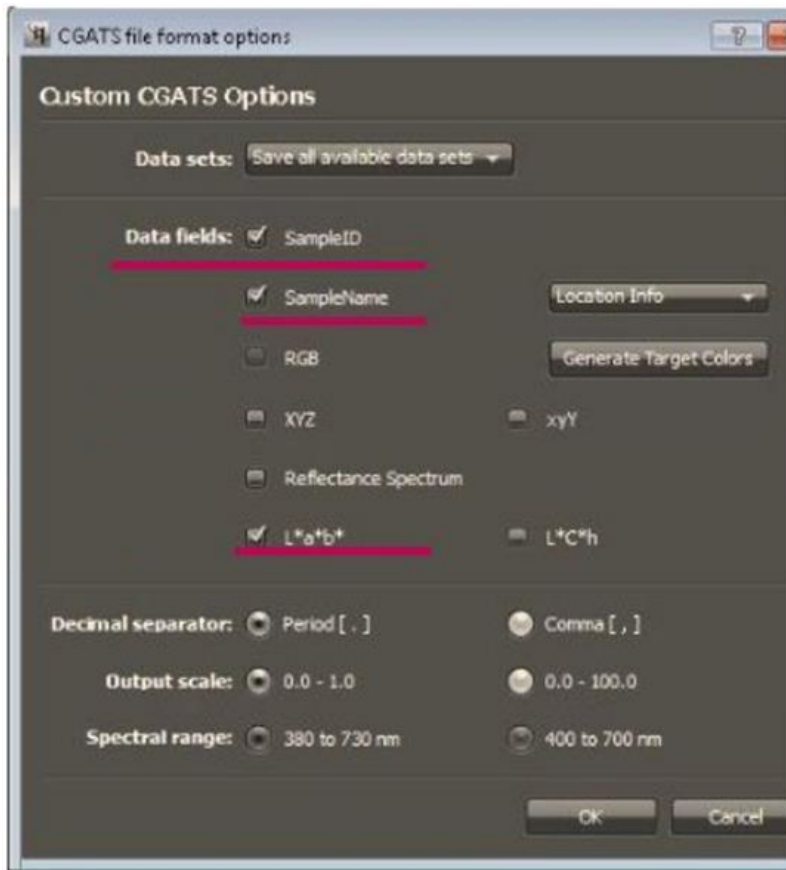


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13. Select the following check box on the "CGATS file format options" screen.

- Sample ID
- Asmple Name
- L*a*b*

6. Troubleshooting



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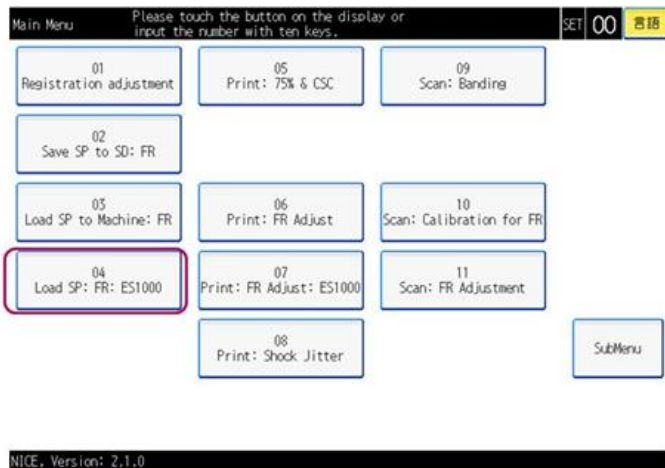
Note

- Do not select the "Reflectance Spectrum" check box.
- "Page Data" is saved in a text file format, for example, "M75_M*.txt".
- "_M*" is attached automatically when saving the file.

14. Go back to Step 7 to do the same for the remaining colors.

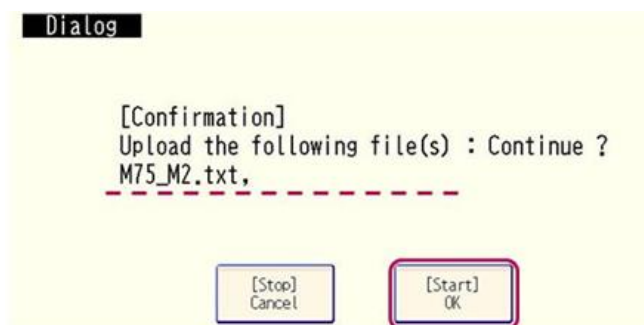
3. Applying the Correction

- 1.** Display the NICE main menu. ([How to Activate NICE](#))
- 2.** Press "Load SP: FR: ES1000" to print out the test chart.



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3. Confirm that the file which appears in the pop-up dialog matches the file saved in the NICE SD card, and press "[Start] OK". The corrected SP values (SP2-152-xxx) will be overwritten in the engine.

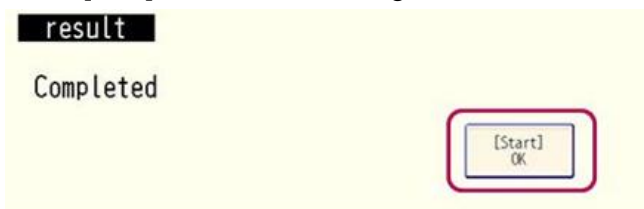


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Note

- After completing the adjustment, remove the files from the SD card.
- An arbitrary value is attached automatically after the 'M' in the file name.

4. Press "[Start] OK" on the following screen.



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5. Turn the main power off and on for the modified SP values to take effect.
6. From the NICE sub menu screen, press "TestPrint" to print out the "75%" test chart and check the image quality.

Note

It is not recommended to check the image quality with "Print: FR Adjust: ES1000" because the pattern is segmented and it is difficult to examine the entire image.

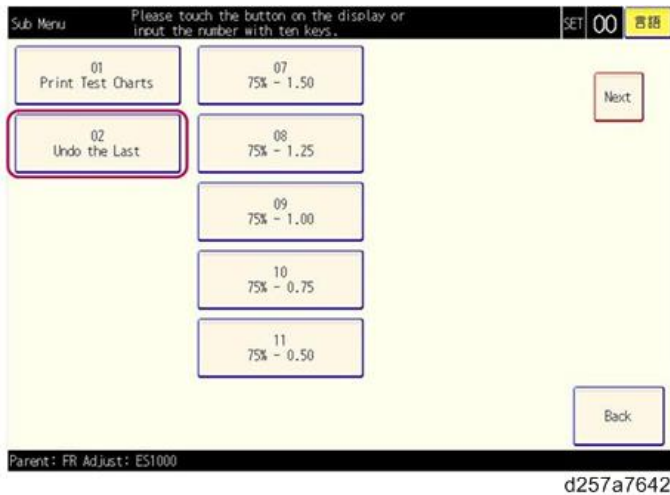
4. How to Retrieve the Original SP Value

If you need to retrieve the previous setting, do the procedure below.

1. Display the NICE sub menu screen. ([NICE Function \(Pro C5200S/C5210S\)](#))
2. Press "Print: FR Adjust: ES1000".

6. Troubleshooting

3. Press "Undo the Last". The previous SP values will be retrieved.



4. Press "[Start] OK" on the following screen.



5. Turn the main power off and on.

Banding Analysis

Banding analysis aims to identify and list the parts/units that could be causing the banding.

★ Important

- Make sure the paper and print parameters applied are always the same when running the banding analysis.
- Do "Process Setup" or "Manual ProCon (Density Adjustment)" before running the banding analysis.

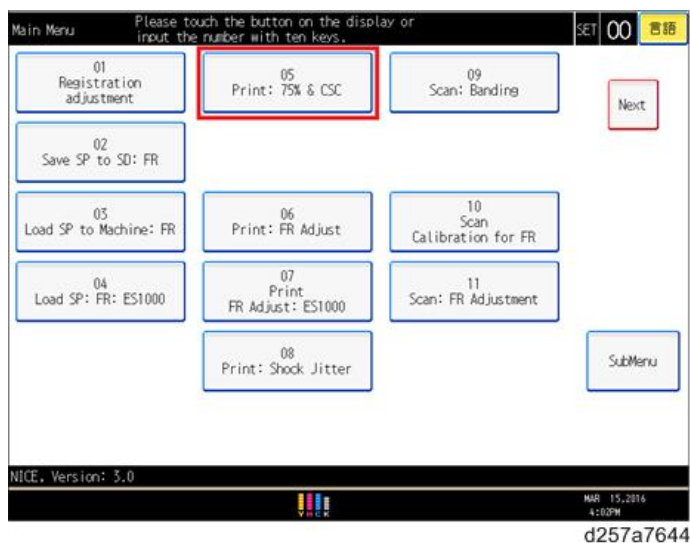
Overview

Banding analysis is performed in the following procedure.

1. Print and scan the 75% chart which is contained in the NICE SD card.
2. Define the current condition of the machine from the scan results with the Banding Analyzer application.
3. Results of the scanned calibration chart are compared against the color measurement data of the calibration chart (color measurement data is contained in the Banding Analyzer application) to generate an XML file, which defines the color shading calibration values.
4. Banding Analyzer identifies the parts/units possibly causing the problem from the current machine condition defined from the scanned 78% chart and the XML file.
5. Banding Analyzer displays the parts/units that should be inspected in the order of effectiveness on the PC screen.

Procedure

1. Display the NICE main menu screen. ([How to Activate NICE](#))
2. Press "Test Print: 75% & CSC".



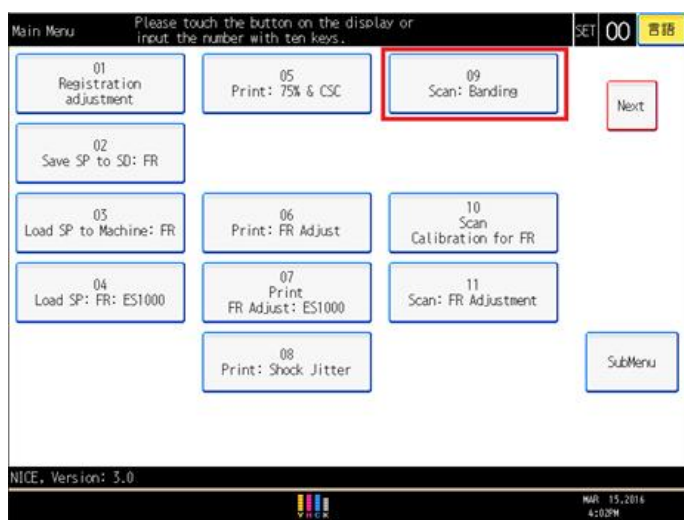
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3. Place the NICE Calibration Chart (service part) on the exposure glass and press "Scan: Banding" to scan the calibration chart.

Note

For the correct scanning procedure, see "Common Procedure for Scanning Test Chart" in [NICE Function \(Pro C5200S/C5210S\)](#).

4. Place the 75% chart for the color requiring analysis on the exposure glass and press "Scan: Banding" to scan the chart.



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Note

- 75% charts (Bk, C, M, Y) are used for analysis.
- 75% charts (R, G, B) are used for visual inspection.
- The CSC chart is used only for investigation by RCL Engineering.

5. Remove the SD card from the service slot and insert it into the SD card slot on your PC.

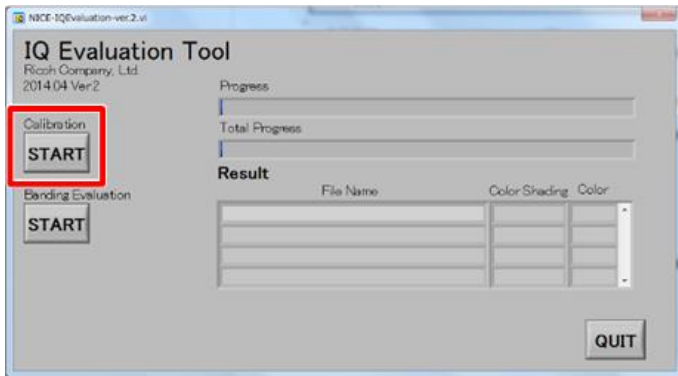
6. Troubleshooting

6. Launch the PC application "IQ Evaluation" and click "START".



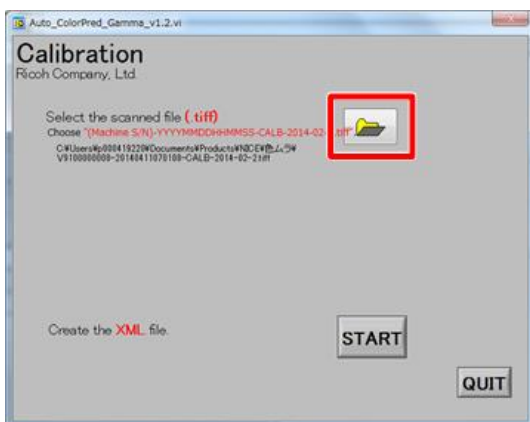
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7. In the main window under "Calibration", click "START" to display the "Calibration" window.



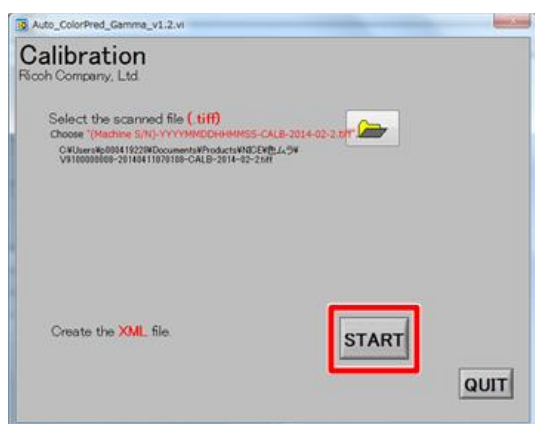
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8. In the "Calibration" window, click the folder and select the Calibration Chart scanned and saved in step 3.
File name: (Machine S/N)-YYYYMMDDHHMMSS-CALB-2014-02-2.tiff



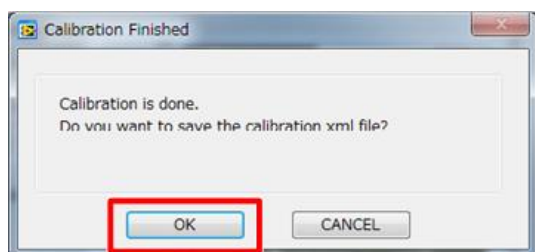
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- Click "START" to start the calibration.



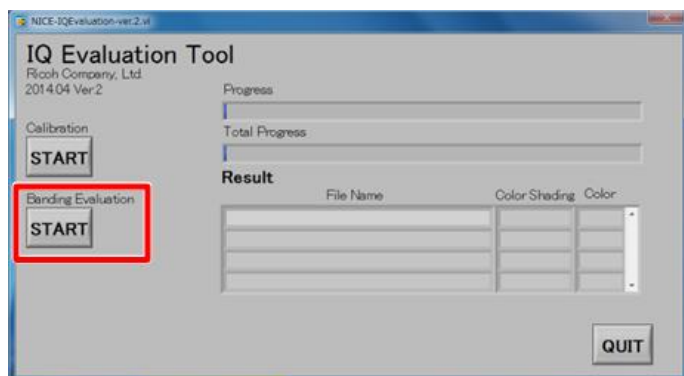
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- Several windows will appear during the calibration process. After the calibration completes, press "OK" in the following window and select the folder you wish to save the XML file, which contains the color shading correction values calculated from the calibration results.



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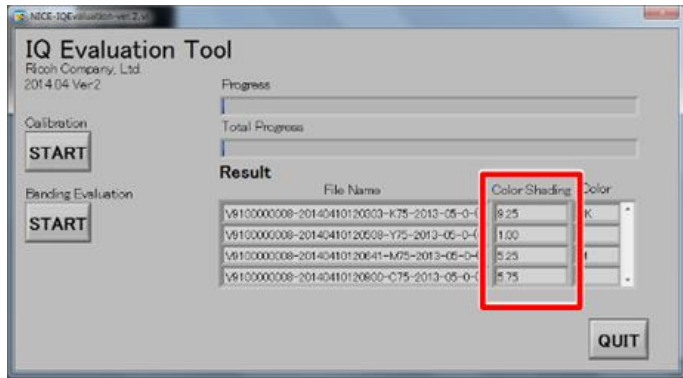
- In the main window under Banding Evaluation, click "START".



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- Select the 75% chart scanned and saved in Step 4.
File name: (Machine S/N)-YYYYMMDDHHMMSS-(CMYK)75-yyyyymm-0-(0)~(4).tiff
- Select the XML file saved in step 10. Evaluation will start automatically.
When the evaluation completes, the color shading values of each color will appear as shown below.

6. Troubleshooting



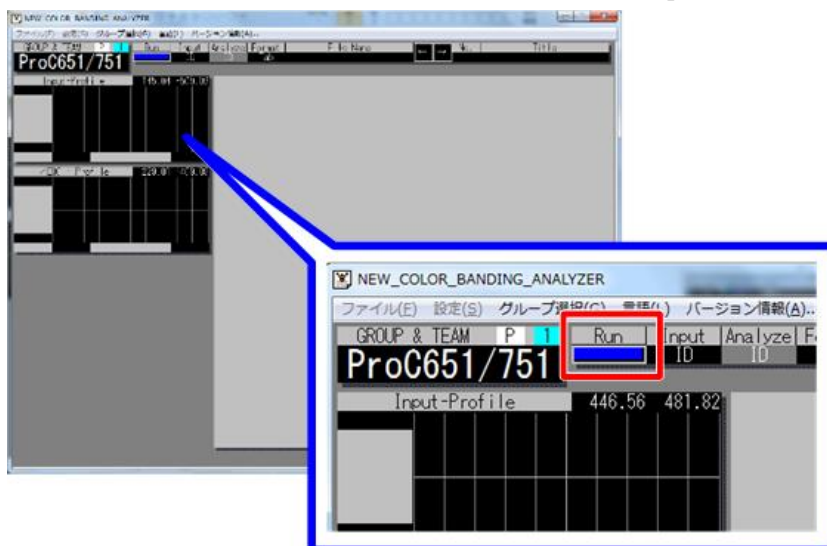
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Note

- The higher the color shading value, the worse the banding.
- Dat files are created in C:\jig\data (default) or a selected folder.

14. Wait for the Banding Analyzer window to appear. Select the product model from "Menu" -> "Group" -> "Products".

15. Click "Run", then select and save the dat file created in Step 13.



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16. Excel will launch automatically after the calculation completes to display the parts/units that should be inspected to resolve banding, in the order of effectiveness.

Note

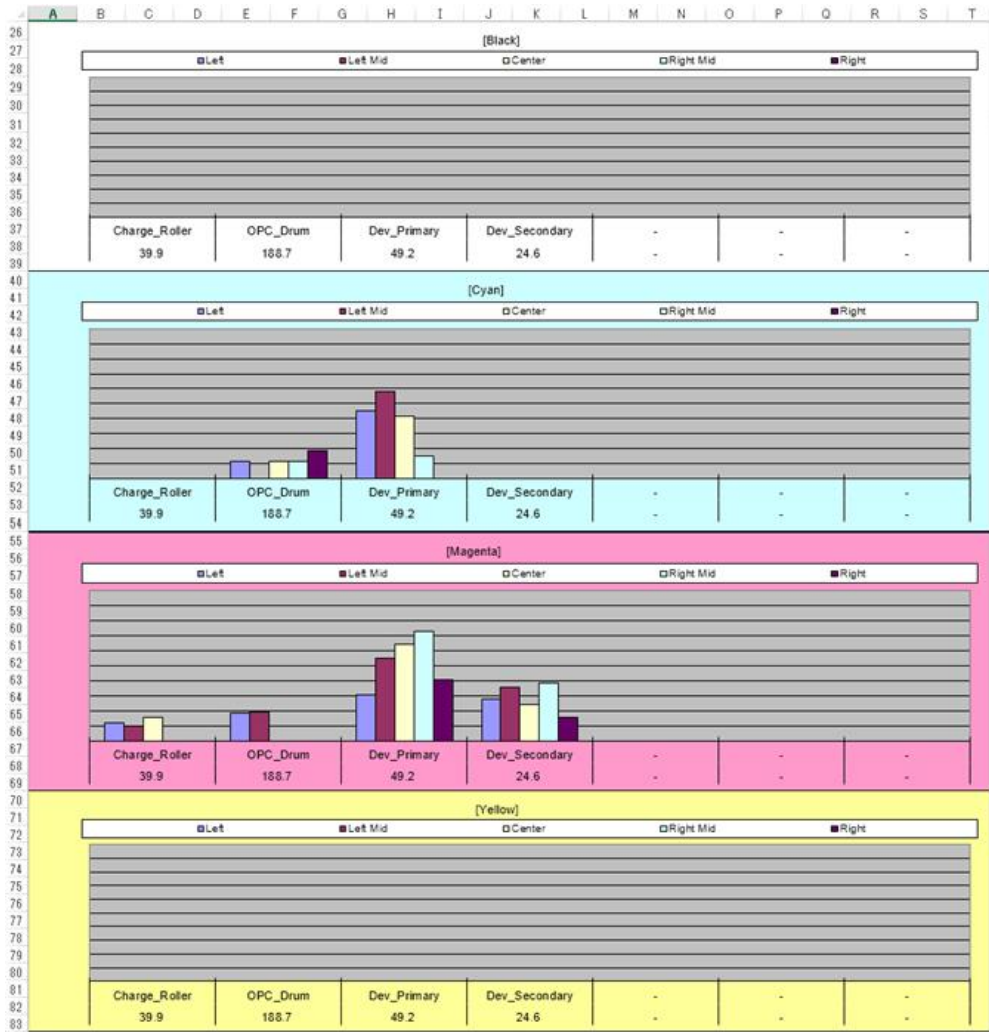
- The higher the bar, the higher the necessity of inspection.
- If the Banding Analyzer does not automatically start, select "Start" -> "All Programs" -> "NICE" -> "Banding Analyzer".

Color	K	C	M	Y
Color Shading : Reference Value	3.80	2.50	2.50	1.80
Color Shading : Measured Value		0.50	0.75	
Action?	#VALUE!	No Action	No Action	#VALUE!
This tool cannot be used to judge whether the banding level of the machine is within factory specification. This tool will use field reference values to help the engineer to determine action. Target: The measured value should not exceed the reference value with more than 0.2. (Lower = Better) Decision Engineer: The measured value is close to the reference value. The engineer has to decide to take action or not.				
Repair Priority	K	C	M	Y
High ↑	-	Dev_Primary	Dev_Secondary	-
	-	OPC_Drum	Dev_Secondary	-
	-	-	OPC_Drum	-
	-	-	Charge_Roller	-
	-	-	-	-
Low ↓	-	-	-	-
	-	-	-	-
Please ignore the following words: "Primary", "Secondary", "Third_order" and "Four_Next" when troubleshooting. For example: For both "Charge_Primary" and "Charge_Secondary" the action is the same: Replace the charger roller. "Primary", "Secondary", "Third_order", "Four_Next" means the number(s) of banding(s) made by 1 rotation of a roller or drum.				

ProC651 751 Format Ver2.0.xls
 File 2015_11_04 140921
 Date 2015/11/4 2:11 PM

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6. Troubleshooting



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Shock-jitter Finder

Shock-jitter Finder is a PC application that helps identify the problem causing the shock-jitter.

Installing the Shock-jitter Finder

1. Unzip the installer and check that the following 2 folders appear.



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2. Run the "Setup.exe" contained in the "Volume" folder.

3. After the installation completes, click "OK" in the window.



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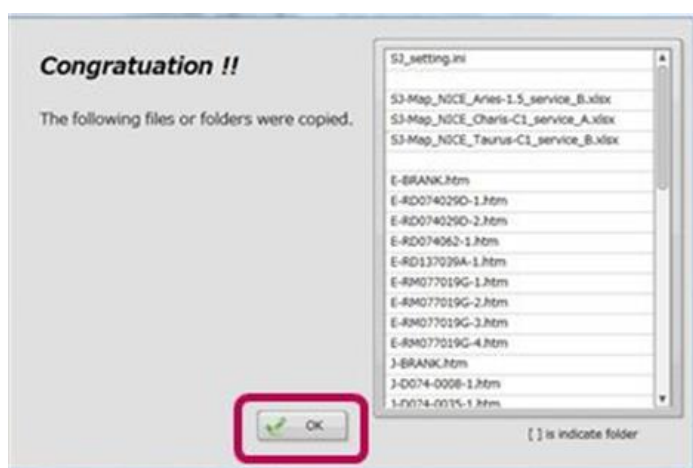
4. In the unzipped folder "NICE SJ Finder V2.1 installer", select "SupportData" and click "Select Folder".



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5. Wait for the message prompting to reboot your PC to appear. Then reboot your PC and activate the SJ Finder.

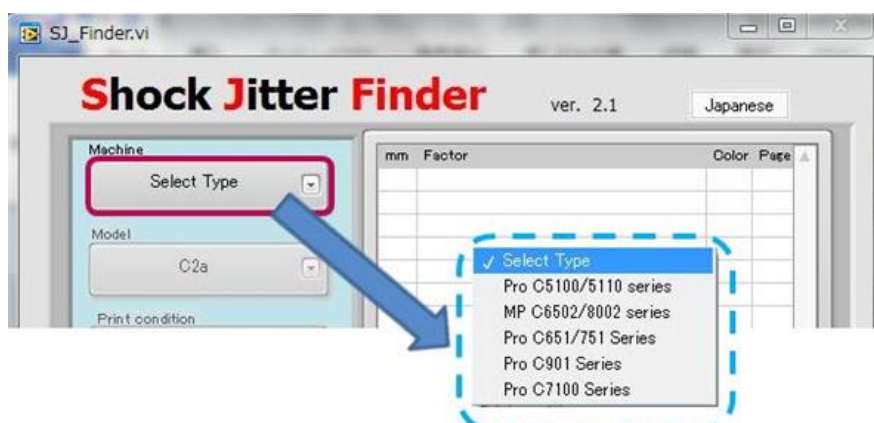
6. Click "OK" in the following window.



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7. To confirm successful installation, start the SJ Finder and see if "Pro C5200S/C5210S" appears in the list under "Machine".

If any models are missing, perform [Updating the Shock-jitter Finder](#).



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6. Troubleshooting

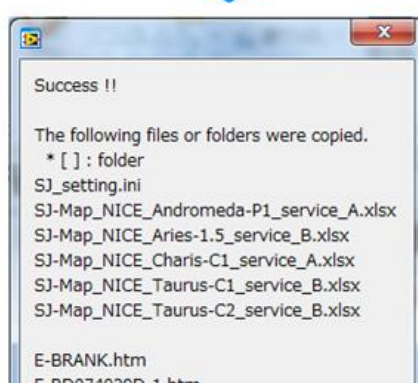
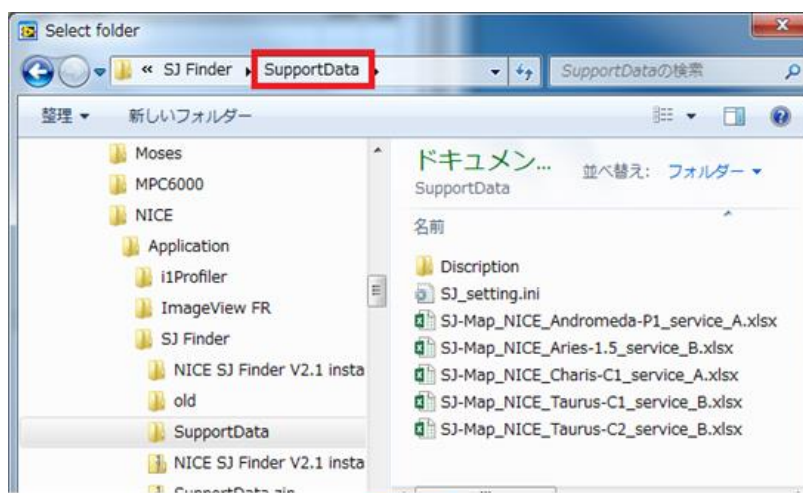
Updating the Shock-jitter Finder

1. Unzip the 'SupportData.zip' file obtained from the GKM.
Answer ID: 210634
2. Launch the SJ Finder and click "Import" icon, and then click "OK".



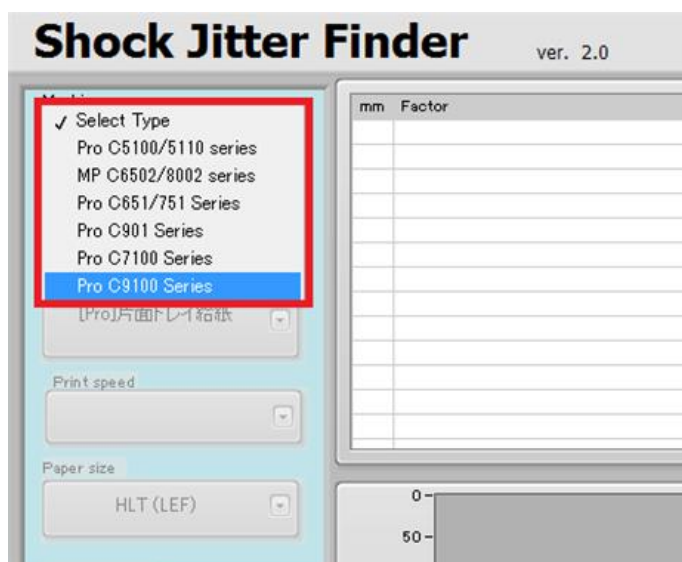
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3. Navigate to the "SupportData" folder unzipped in Step 1, and then click "Current folder".
The following message will appear to indicate that the files/folders have been copied successfully.



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4. Select "Select Type" and confirm "Pro C5200S/C5210S" appears in the list



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Operation Procedure

1. Launch the Shock-jitter Finder on your PC and specify the following information:

- Product model
- Simplex or Duplex
- Print speed

6. Troubleshooting

- Paper size and feed direction (SEF or LEF)
- Productivity (Required only if CPM has been modified)
- Color mode
- Page and position showing the symptom

2. The location where the streaks may appear caused by shock-jitter and the factor will be displayed.



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Note

- Troubleshooting instructions are available for items indicated with an asterisk "*".
- An error message will appear, if Microsoft Excel is active when launching the SJ Finder. Make sure to close all Excel files in advance.
- If a shock-jitter sample is not at hand and the location of the shock-jitter is unclear, press "Test Print: Shock Jitter" on the NICE main menu screen to print out a test chart. The number of test charts printed is different according to the product.

7. Detailed Descriptions

Guidance for Those Who are Familiar with Predecessor Products

This section shows the changes from the predecessor models (Pro C5100S/C5110S, MP C6502/C8002).

Unit	Items	Pro C5200S/C5210S MP C6503/C8003	Pro C5100S/C5110S MP C6502/C8002
Operation Panel	Smart Operation Panel, 2nd generation	Available, same as MP C3004 series Pro C5200S/C5210S: Provided as an option MP C6503/C8003: Provided as standard operation panel	Not available
Scanner Unit	SBU	3-line CMOS sensor, Resolution: 600dpi, same as MP 6503 series (Refer to Overview)	3-line CCD, Resolution: 600dpi
	IDB	Not available (The functions of this board are built into the SBU)	Available
	SIO	Not available (The functions of this board are built into the BICU)	Available
Laser Unit	Shutter Mechanism	Not available	Available
	Location of Photo Sensor	In the VCSEL package, same as Pro C7110S/C7100SX series (Refer to LD Unit Components)	On the LD board
PCDU	PCU Temperature/Humidity Sensor	Not available	Available
Drawer Unit	Drawer Unit Push Mechanism when a Jam Occurred	Available (Refer to Lock Mechanism)	Not available
	Drawer Set Sensor	Two sensors	A single sensor
ITB Cleaning Unit	Cover for ITB Cleaning Unit	Available (Refer to Component Layout)	Not available
Paper Transfer Belt Unit	Paper Transfer Method	Transfer Belt (Refer to Mechanism Descriptions)	Transfer Roller
	Paper Separation Mechanism	Not available	Available

7.Detailed Descriptions

Unit	Items	Pro C5200S/C5210S MP C6503/C8003	Pro C5100S/C5110S MP C6502/C8002
	Cleaning Method	Blade Cleaning Method (Refer to Paper Transfer Belt Cleaning)	Bias Cleaning Method
	Waste Toner Transport Mechanism	Available (Refer to Paper Transfer Belt Cleaning)	Not available
Fusing Unit	Diameter of Fusing Roller	φ57 (Refer to Fusing Mechanism)	φ50
	Hot Roller NC Sensor, ID Chip	Not available	Available
	Specification for Fusing Belt Smoothing Function*1	Yield: 260 minutes Near-End: Pro C5200S: 258 minutes, Pro C5210S: 254 minutes End: 266 minutes	Yield: 180 minutes Near-End: 168 minutes End: 180 minutes
Paper Feed Unit	Paper Feed Roller Drive - Gear or Timing belt	Gear Drive: Pro C5200S/C5210S: 2nd/3rd paper feed drive units Timing Belt Drive: Pro C5200S/C5210S: 1st paper feed drive unit MP C6503/C8003: All paper feed drive units	Timing Belt Drive: All paper feed drive units
	Mechanism for Improving Image Position Accuracy	Available (pressure plate, friction ball*2, side fence support plate*2 are installed) (Refer to Bank)	Not available
	Tray Release Mechanism	Only the 1st paper feed tray is available	All paper feed trays are available
Bypass Tray Unit	Mechanism for Improving Image Position Accuracy	Available (pressure plate, friction ball*2, side fence support plate*2 are installed) (Refer to Mechanism Details)	Not available
Paper Registration	Adjustment Plate for Registration Unit	Available	Not available
Paper Exit and Duplexing	Duplex Unit Sensor 1, 2	Not available	Available
	Heat Pipe Set Sensor Switch	Not available	Available
	Heat Pipe Guide Plate	Available (Refer to Inverter, Paper Exit)	Not available

7.Detailed Descriptions

Unit	Items	Pro C5200S/C5210S MP C6503/C8003	Pro C5100S/C5110S MP C6502/C8002
Paper Purge	Number of LED Switches for Paper Purge	One (Refer to Mechanism Descriptions)	Two
	Purge Tray LED	Available (Refer to Mechanism Details)	Not available
Waste Toner Collection	Waste Toner Transport from Paper Transfer Belt Cleaning Section	Available (Refer to Waste Toner Path)	Not available
PCBs	IPU, BCU	Not available (The functions of these boards are built into the BICU)	Available
	FDB-M, FDB-D, ACRY	Not available	Available* ³
	OKB, Paper Separation AC Power Pack	Not available	Available
Process Control	Type of TD Sensor	μ sensor, same as MP C3004 series (Refer to Sensors for Toner Supply)	HTS sensor
	Temperature / Humidity Sensors for Potential Control	ITB temperature/humidity sensor	ITB temperature/humidity sensor PCU temperature/humidity sensor
Others	Proximity Sensor	Available* ⁴ , same as MP C3004 series (Refer to Proximity Sensor (MP C6503/C8003 only))	Not available

*1 Pro C5100S/C5110S/C5200S/C5210S only

*2 Pro C5200S/C5210S only

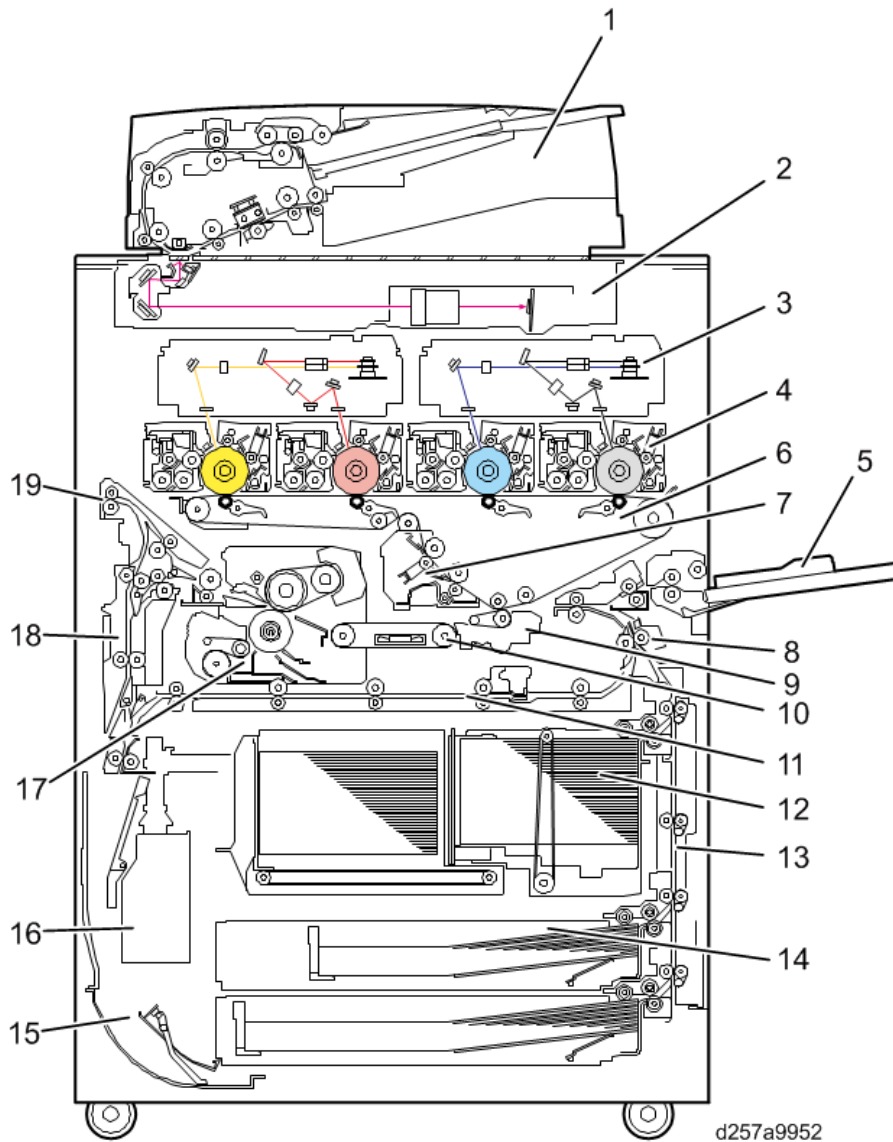
*3 Pro C5100S/C5110S only

*4 MP C6503/C8003 only

Product Overview

Component Layout

Component Layout

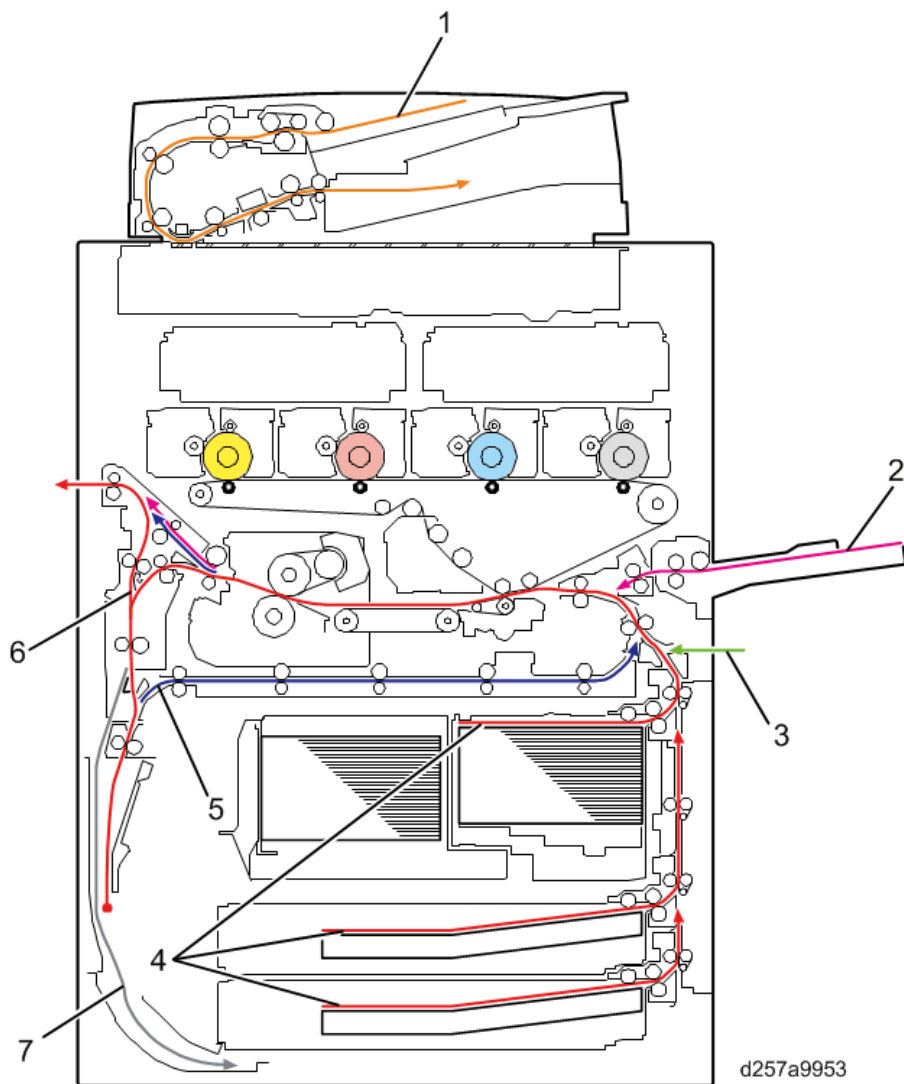


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No.	Description	No.	Description
1	ADF	11	Duplex Unit
2	Scanner Unit	12	Tray 1 (Tandem Tray)
3	Laser Unit	13	Vertical Transport Unit
4	PCDU	14	Tray 2, 3 (Universal Tray)
5	Bypass Tray Unit	15	Paper Purge Unit
6	Image Transfer Belt Unit	16	Waste Toner Collection
7	ITB Cleaning Unit	17	Fusing Unit
8	Relay Transport Section	18	Exit / Inverter Section

No.	Description	No.	Description
9	Paper Transfer Belt Unit	19	Exit Transport Section
10	Paper Transport Belt Unit		

Paper Paths

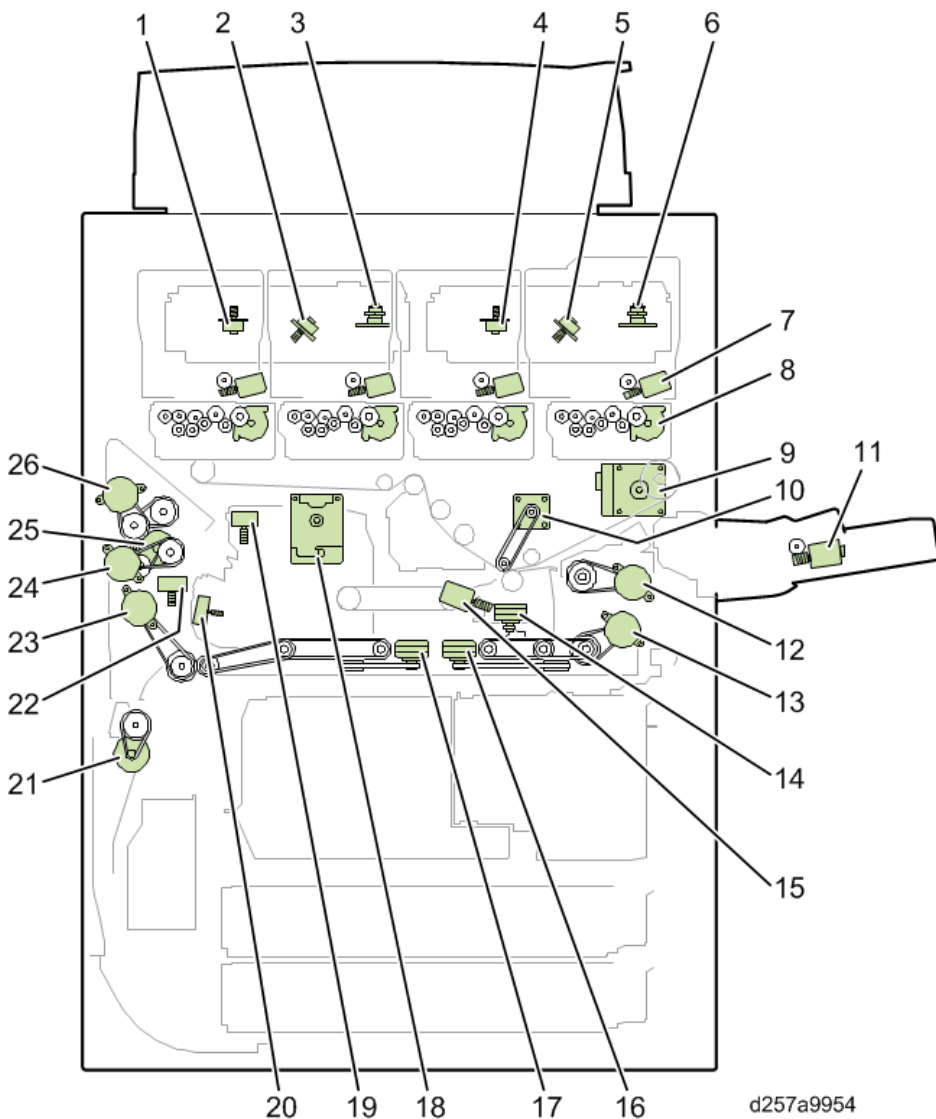


No.	Description	No.	Description
1	ADF Transport Path	5	Duplex Transport Path
2	Bypass Transport Path	6	Exit / Inverter Transport Path
3	Paper Feed Path (Optional LCIT)	7	Purge Transport Path
4	Paper Feed Path (Tray 1 to 3)		

7.Detailed Descriptions

Drive Layout

Front Side

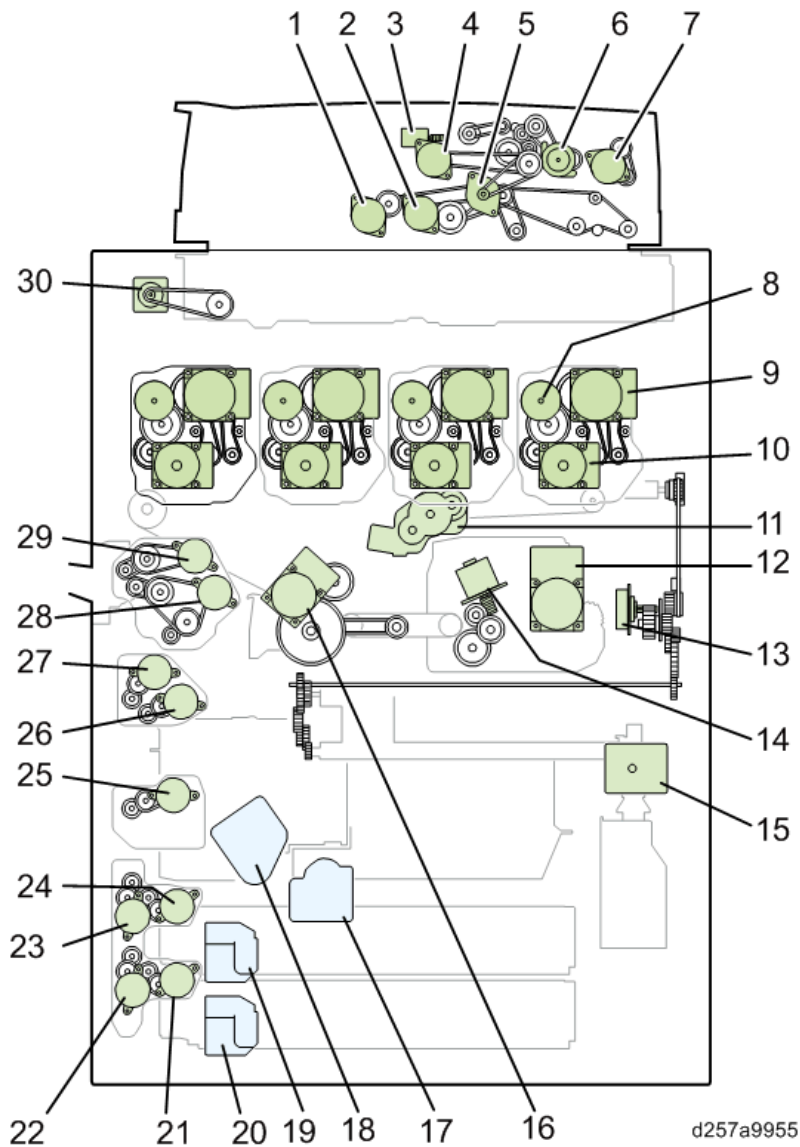


No.	Description	No.	Description
1	Image Skew Correction Motor (Y)	14	Edge Detection Sensor Shift Motor
2	Image Skew Correction Motor (M)	15	Drawer Unit Lock Motor
3	Polygon Motor (Y/M)	16	Duplex Transport Shift Motor 2
4	Image Skew Correction Motor (C)	17	Duplex Transport Shift Motor 1
5	Image Skew Correction Motor (K)	18	Fusing Belt Smoothing Roller Drive Motor ^{*1}
6	Polygon Motor (C/K)	19	Fusing Belt Smoothing Roller Contact Motor ^{*1}
7	Toner Supply Motor	20	Cleaning Web Motor ^{*1}
8	Sub Hopper Motor	21	Duplex Inverter Motor
9	ITB Motor	22	Cleaning Web Contact Motor ^{*1}
10	Paper Transfer Belt Separation Motor	23	Duplex Transport Motor
11	Bypass Tray Lift Motor ^{*1}	24	Duplex Inverter Entrance Motor

No.	Description	No.	Description
12	Registration Motor	25	Exit Inverter Motor
13	Duplex Exit Motor	26	Exit Motor

*1 Pro C5200S/C5210S only

Rear Side



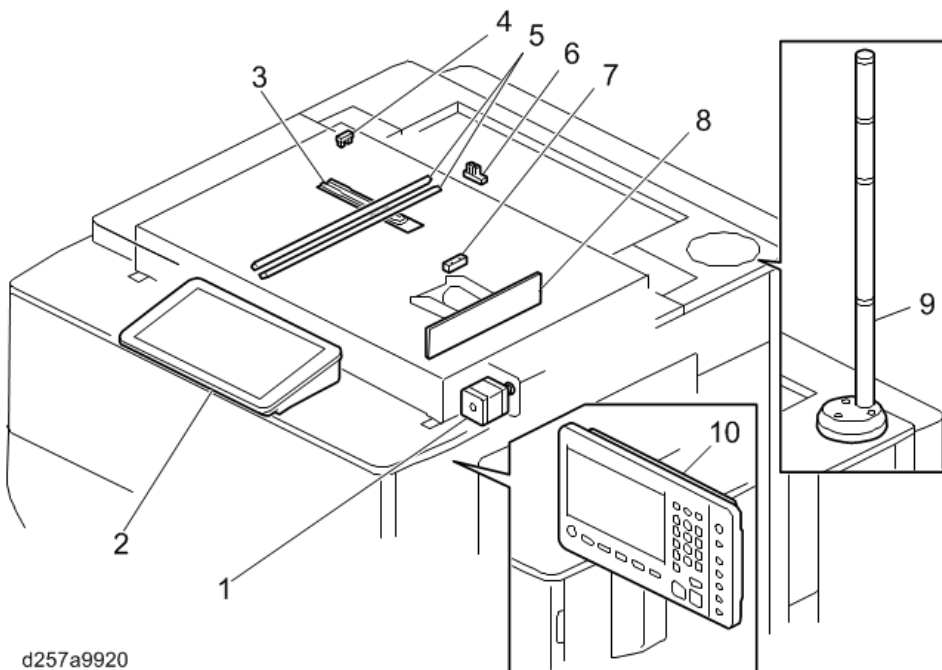
No.	Description	No.	Description
1	ADF Exit Motor	16	Paper Transfer Belt Motor
2	ADF Scanning Motor	17	Left Tray Back Fence Motor
3	ADF Bottom Plate Lift Motor	18	1st Tray Lift Motor
4	ADF Entrance Motor	19	2nd Tray Lift Motor
5	ADF Feed Motor	20	3rd Tray Lift Motor
6	ADF Pick-up Roller Lift Motor	21	3rd Paper Feed Motor
7	ADF Transport Motor	22	3rd Transport Motor
8	Drum Cleaning Motor	23	2nd Transport Motor

7.Detailed Descriptions

No.	Description	No.	Description
9	Development Motor	24	2nd Paper Feed Motor
10	Drum Motor	25	Vertical Transport Motor
11	ITB Lift Motor	26	1st Paper Feed Motor
12	Fusing Drive Motor	27	1st Transport Motor
13	Waste Toner Collection Motor	28	Relay Motor
14	Fusing Release Motor	29	Bypass Feed Motor
15	Waste Toner Transport Motor	30	Scanner Drive Motor

Electrical Components

Scanner Unit

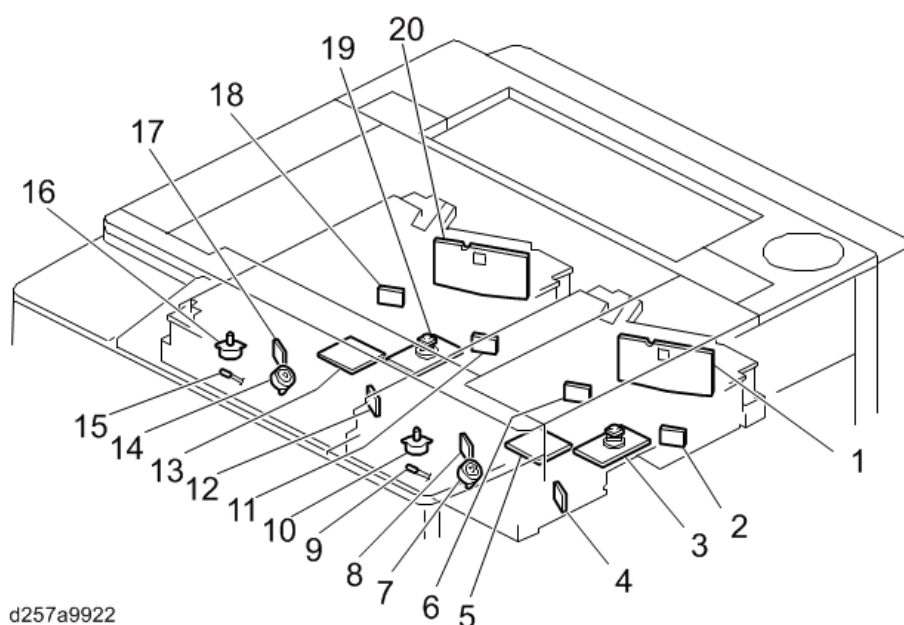


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No.	Description	No.	Description
1	Scanner Drive Motor	6	DF Position Sensor
2	Operation Panel (MP C6503/C8003)	7	Original Length Sensor
3	Scanner Anti-Condensation Heater	8	SBU
4	Scanner Home Position Sensor	9	Operator Call Light* ¹
5	Exposure Lamp (LED Array)	10	Operation Panel (Pro C5200S/C5210S)

*1 Pro C5200S/C5210S only

Laser Unit

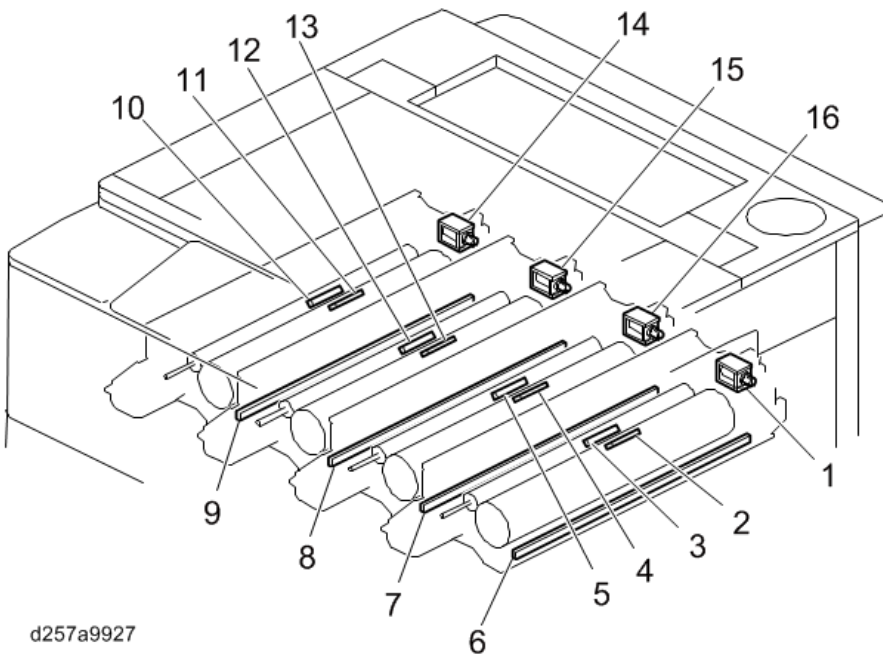


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No.	Description	No.	Description
1	LD Board (C/K)	11	Laser Synchronization Detector (M) [Rear edge]
2	Laser Synchronization Detector (K) [Rear edge]	12	Laser Synchronization Detector (M) [Front]
3	Polygon Motor (C/K)	13	Polygon Motor Control Board (Y/M)
4	Laser Synchronization Detector (K) [Front]	14	Image Skew Correction Motor (M)
5	Polygon Motor Control Board (C/K)	15	Thermistor (M)
6	Laser Synchronization Detector (C) [Rear edge]	16	Image Skew Correction Motor (Y)
7	Image Skew Correction Motor (K)	17	Laser Synchronization Detector (Y) [Front]
8	Laser Synchronization Detector (C) [Front]	18	Laser Synchronization Detector (Y) [Rear edge]
9	Thermistor (K)	19	Polygon Motor (Y/M)
10	Image Skew Correction Motor (C)	20	LD Board (Y/M)

7.Detailed Descriptions

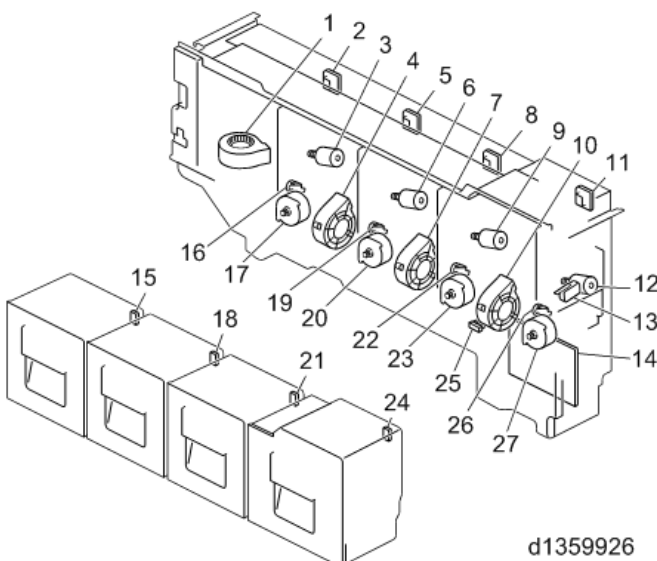
PCDU



d257a9927

No.	Description	No.	Description
1	Charge Roller Cleaning Roller Solenoid (K)	9	Quenching Lamp (Y)
2	TD Sensor (K)	10	Potential Sensor (Y)
3	Potential Sensor (K)	11	TD Sensor (Y)
4	TD Sensor (C)	12	Potential Sensor (M)
5	Potential Sensor (C)	13	TD Sensor (M)
6	Quenching Lamp (K)	14	Charge Roller Cleaning Roller Lift Solenoid (Y)
7	Quenching Lamp (C)	15	Charge Roller Cleaning Roller Lift Solenoid (M)
8	Quenching Lamp (M)	16	Charge Roller Cleaning Roller Lift Solenoid (C)

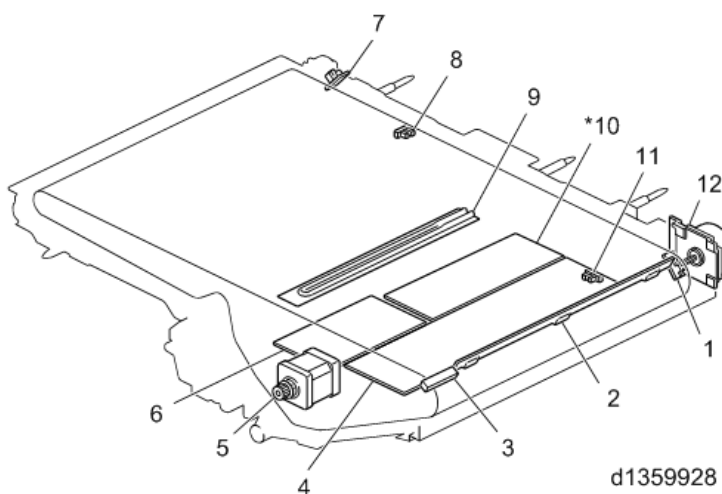
Toner Supply Unit



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No.	Description	No.	Description
1	Development Intake Fan (Y)	15	ID Chip (Y)
2	ID Chip Connector Board (Y)	16	Toner End Sensor (Y)
3	Toner Supply Motor (Y)	17	Sub Hopper Motor (Y)
4	Development Intake Fan (M)	18	ID Chip (M)
5	ID Chip Connector Board (M)	19	Toner End Sensor (M)
6	Toner Supply Motor (M)	20	Sub Hopper Motor (M)
7	Development Intake Fan (C)	21	ID Chip (C)
8	ID Chip Connector Board (C)	22	Toner End Sensor (C)
9	Toner Supply Motor (C)	23	Sub Hopper Motor (C)
10	Development Intake Fan (K)	24	ID Chip (K)
11	ID Chip Connector Board (K)	25	ITB Cleaning Unit Set Sensor
12	Toner Supply Motor (K)	26	Toner End Sensor (K)
13	Toner Supply Unit Front Cover Switch	27	Sub Hopper Motor (K)
14	Toner Supply Board (TSB)		

Image Transfer Belt Unit



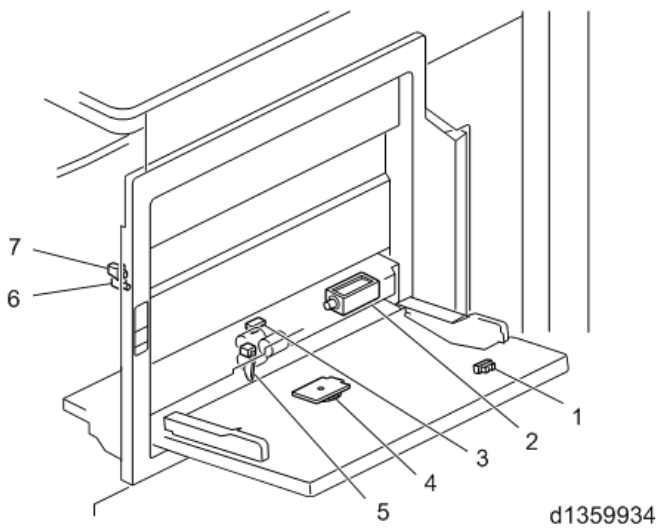
No.	Description	No.	Description
1	ITB Drive Shaft Encoder Sensor	7	ITB Driven Shaft Encoder Sensor
2	ID/MUSIC Sensors	8	ITB Lift (YMC) Sensor
3	ITB Home Position Sensor	9	Anti-condensation Heater
4	Transfer Power Pack/Separation Power Pack	10	AC Transfer Power Pack ^{*1}
5	Paper Transfer Belt Separation Motor	11	Paper Transfer Belt Separation Sensor
6	TDRB	12	ITB Motor

*1 Pro C5200S/C5210S only

7.Detailed Descriptions

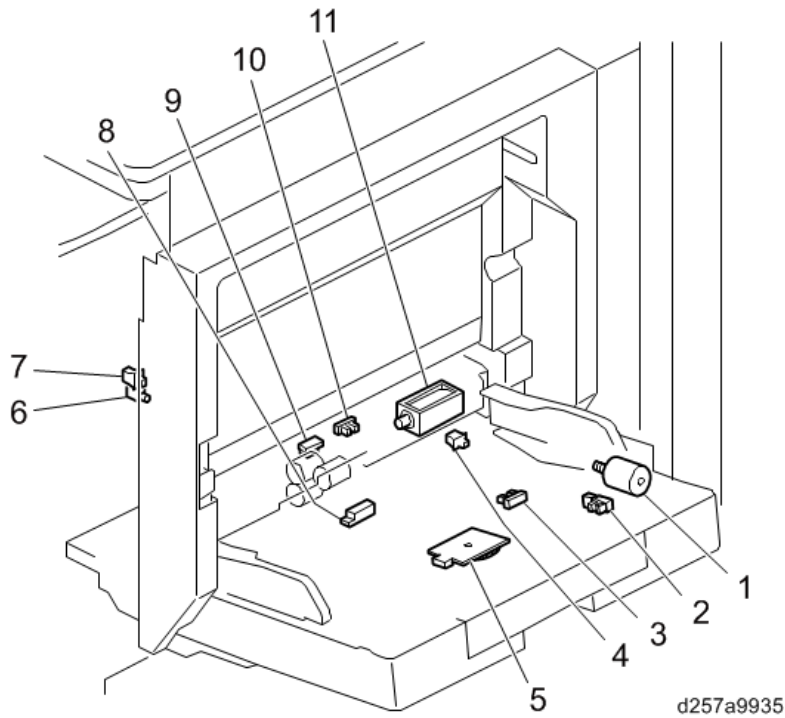
Bypass Tray Unit

Bypass Tray Unit (MP C6503/C8003)



No.	Description	No.	Description
1	Bypass Paper Length Sensor	5	Bypass Tray Paper End Sensor
2	Bypass Pick-up Solenoid	6	Bypass Tray LED
3	Bypass Paper Feed Sensor	7	Bypass Tray Open Switch
4	Bypass Paper Width Sensor		

Bypass Tray Unit (Pro C5200S/C5210S)



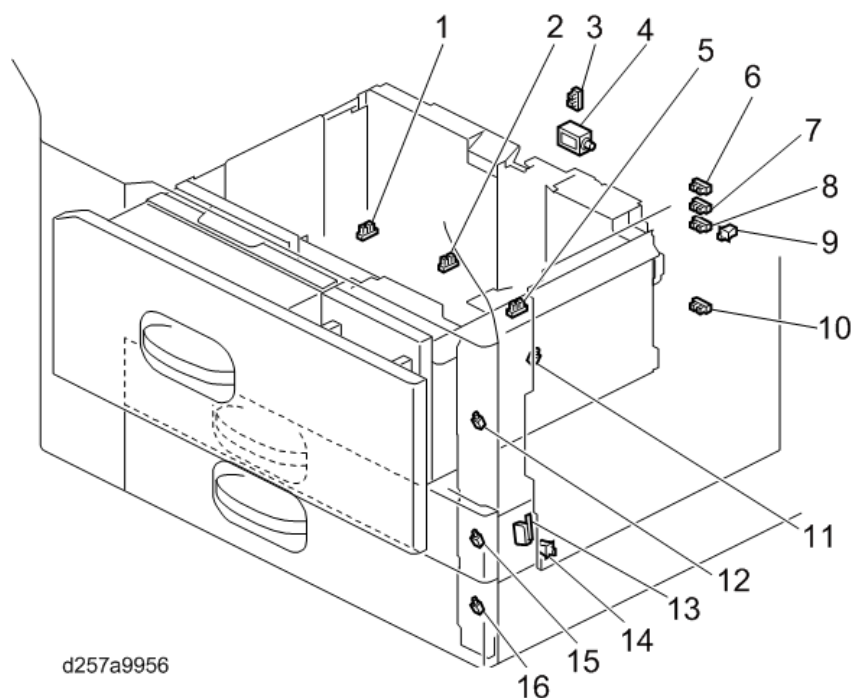
No.	Description	No.	Description
1	Bypass Tray Lift Motor* ¹	7	Bypass Tray Open Switch

No.	Description	No.	Description
2	Bypass Paper Length Sensor	8	Bypass Tray Paper End Sensor
3	Bypass Tray Lower Limit Sensor* ¹	9	Bypass Paper Feed Sensor
4	Bypass Tray Set Sensor* ¹	10	Bypass Tray Upper Limit Sensor* ¹
5	Bypass Paper Width Sensor	11	Bypass Pick-up Solenoid
6	Bypass Tray LED		

*1 Pro C5200S/C5210S only

Paper Feed Section

Paper Feed Section 1

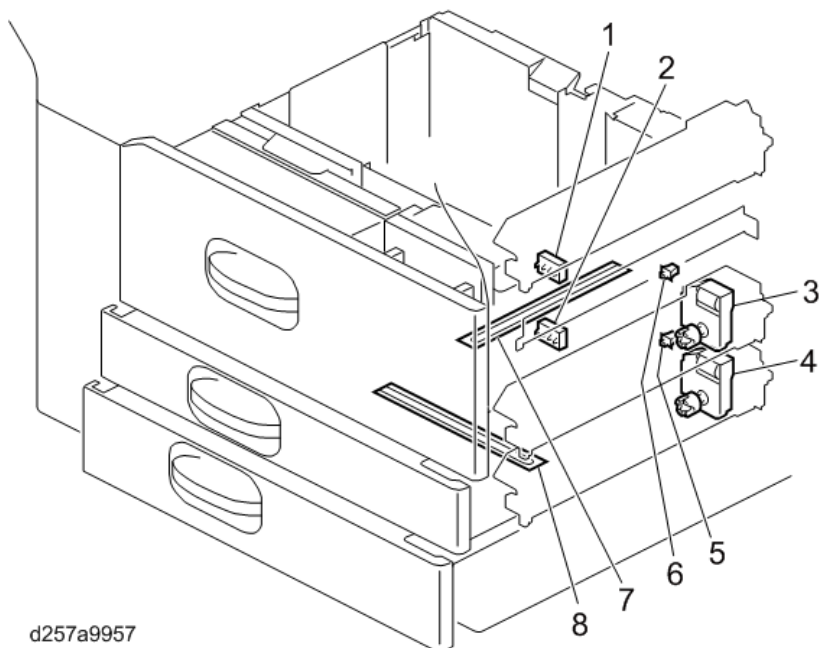


No.	Description	No.	Description
1	Rear Fence Home Position Sensor	9	Right Tray Set Sensor
2	Left Tray Paper Sensor	10	Tray Lower Limit Sensor
3	Rear End Fence Closed Sensor	11	Vertical Transport LED
4	End Fence Rear Solenoid	12	1st Tray LED* ¹
5	Rear Fence Return Sensor	13	Vertical Transport Door Set Switch
6	Paper Height Sensor 1	14	Vertical Transport Door Open Sensor
7	Paper Height Sensor 2	15	2nd Tray LED* ¹
8	Paper Height Sensor 3	16	3rd Tray LED* ¹

*1 Pro C5200S/C5210S only

7.Detailed Descriptions

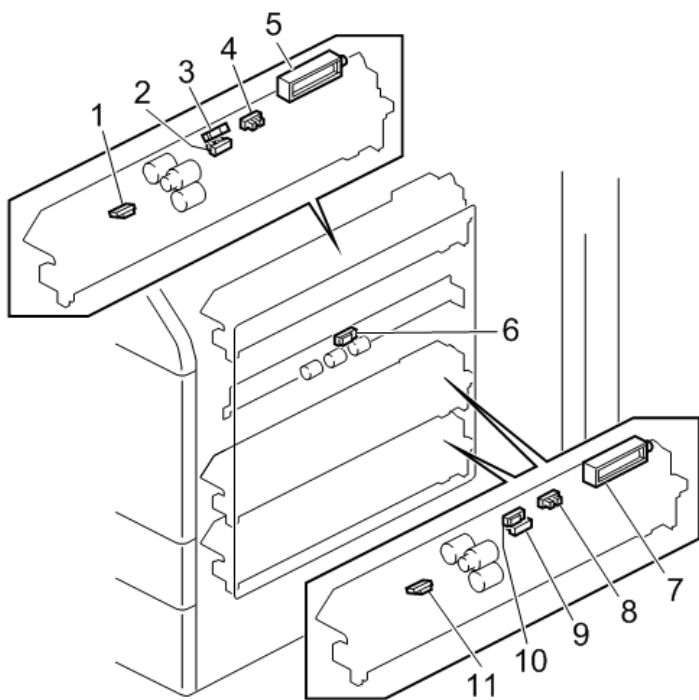
Paper Feed Section 2



d257a9957

No.	Description	No.	Description
1	2nd Tray Paper Size Sensor	5	3rd Tray Paper Tray Set Sensor
2	3rd Tray Paper Size Sensor	6	2nd Tray Paper Tray Set Sensor
3	2nd Tray Lift Motor	7	Lower Tray Heater
4	3rd Tray Lift Motor	8	Upper Tray Heater

Paper Feed Section 3

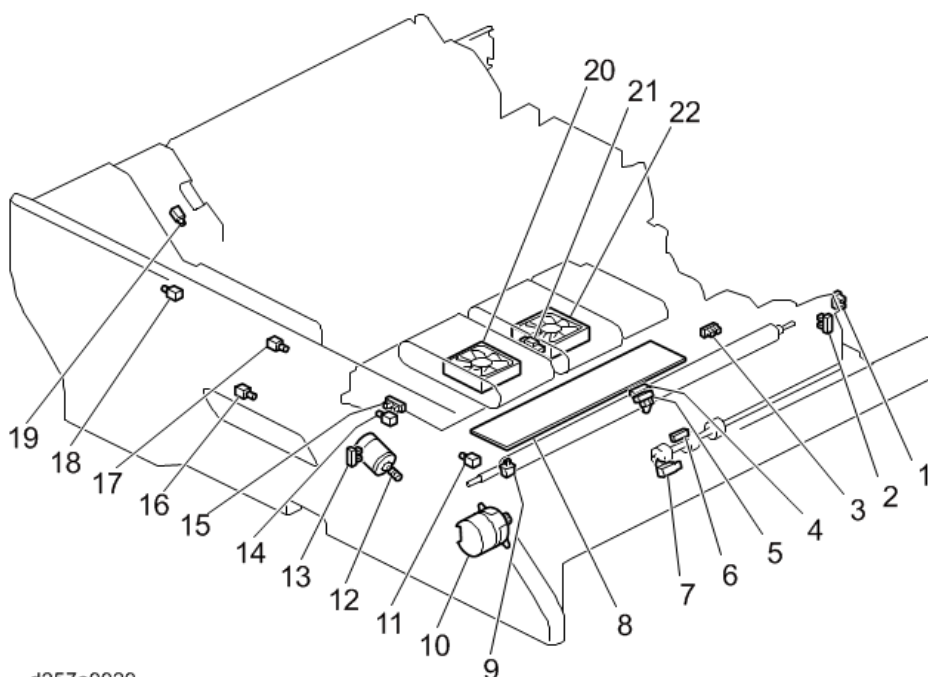


d257a9958

No.	Description	No.	Description
1	Paper Feed Sensor (Tray 1)	7	Pick-up Solenoid (Tray 2 to 3)
2	Paper End Sensor (Tray 1)	8	Paper Tray Upper Limit Sensor (Tray 2 to 3)
3	Transport Sensor (Tray 1)	9	Paper End Sensor (Tray 2 to 3)
4	Paper Tray Upper Limit Sensor (Tray 1)	10	Transport Sensor (Tray 2 to 3)
5	Pick-up Solenoid (Tray 1)	11	Paper Feed Sensor (Tray 2 to 3)
6	Vertical Transport Sensor		

Drawer Unit

Drawer Unit 1

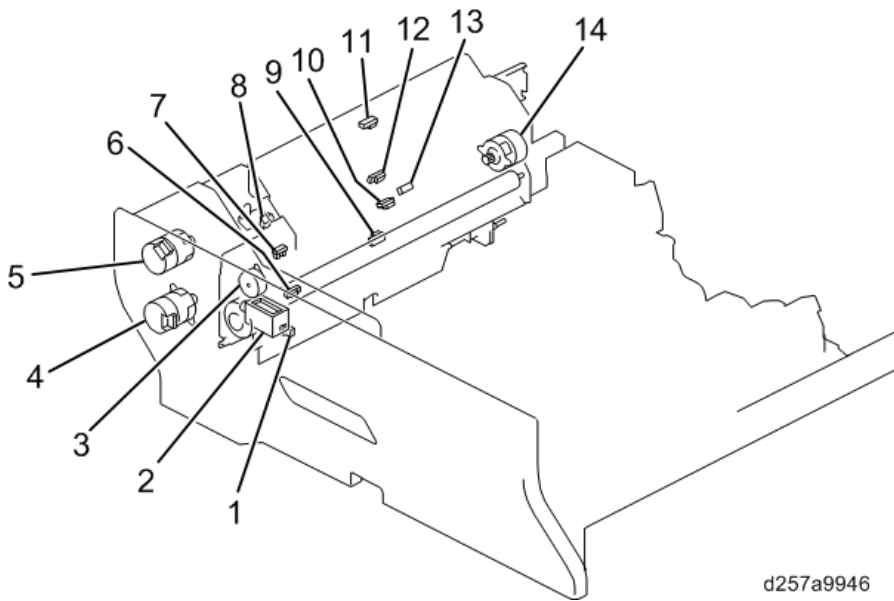


d257a9929

No.	Description	No.	Description
1	Drawer Set Sensor 1	12	Drawer Unit Lock Motor
2	Drawer Set Sensor 2	13	Drawer Unit Flapper Sensor
3	Drawer Unit Lock Sensor	14	Fusing Guide Plate LED
4	Registration Sensor	15	Paper Transport Belt Sensor
5	Bypass Tray Paper Type Sensor	16	Drawer Unit LED
6	Relay Sensor	17	Inverter Left Guide Plate LED
7	Paper Type Sensor	18	Paper Exit Upper Guide Plate Grip LED
8	DUB	19	Paper Exit Upper Guide Plate LED
9	Upper Guide Plate Open Switch	20	Paper Transport Belt Fan (Front)
10	Registration Motor	21	Paper Transport Belt Unit Set Sensor
11	Upper Guide Plate LED	22	Paper Transport Belt Fan (Rear)

7.Detailed Descriptions

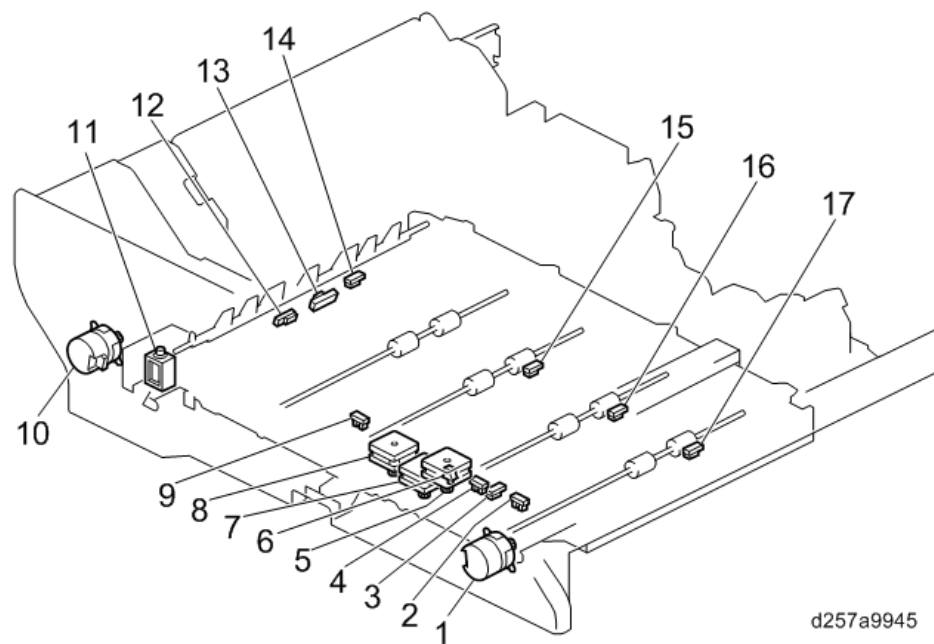
Drawer Unit 2



d257a9946

No.	Description	No.	Description
1	Paper Exit Left Guide Plate Sensor	8	Paper Exit Upper Guide Plate Sensor
2	Duplex Inverter Solenoid	9	Inverter Exit Sensor
3	Inverter Junction Gate Motor	10	Inverter Feed-in Sensor
4	Duplex Inverter Entrance Motor	11	Paper Exit Sensor
5	Exit Motor	12	Inverter Feed-out Sensor
6	Fusing Exit Guide Plate Open Sensor	13	Paper Exit Relay Sensor
7	Inverter Junction Gate Home Position Sensor	14	Exit Inverter Motor

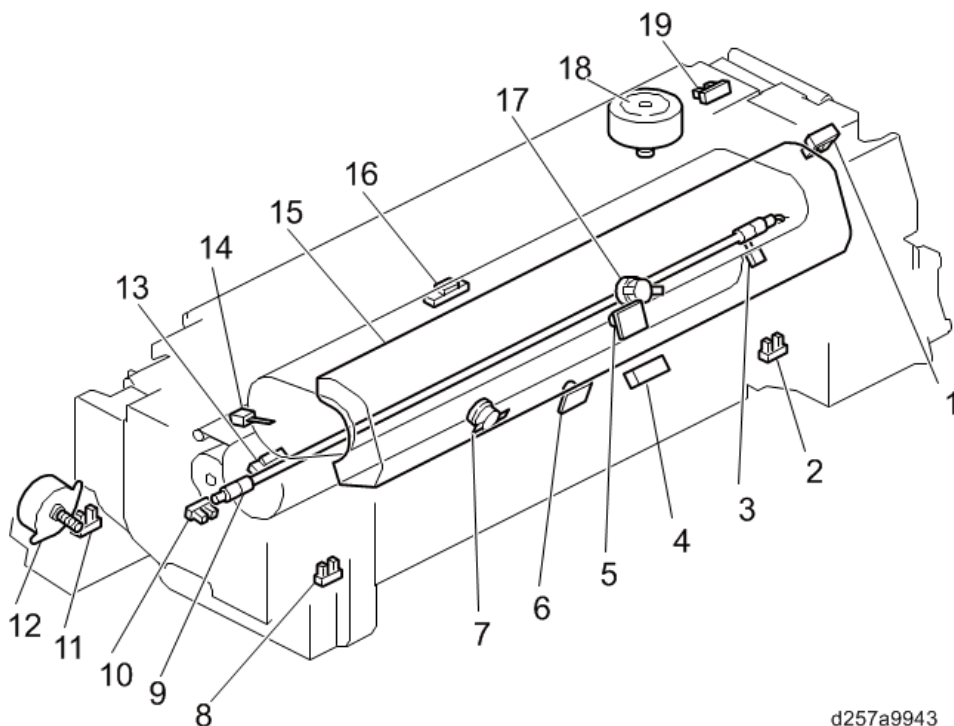
Drawer Unit 3



d257a9945

No.	Description	No.	Description
1	Duplex Exit Motor	10	Duplex Transport Motor
2	Duplex Transport Home Position Sensor 1	11	Duplex Invert Solenoid
3	Edge Detection Sensor	12	Purge Relay Sensor
4	Sensor Shift Home Position Switch	13	Duplex Invert Sensor
5	Edge Detection Sensor Shift Motor	14	Duplex Unit Entrance Sensor
6	Horizontal Feed Guide Plate Open Sensor	15	Duplex Unit Sensor 3
7	Duplex Transport Shift Motor 2	16	Duplex Unit Sensor 4
8	Duplex Transport Shift Motor 1	17	Duplex Exit Sensor
9	Duplex Transport Home Position Sensor 2		

Fusing Unit



d257a9943

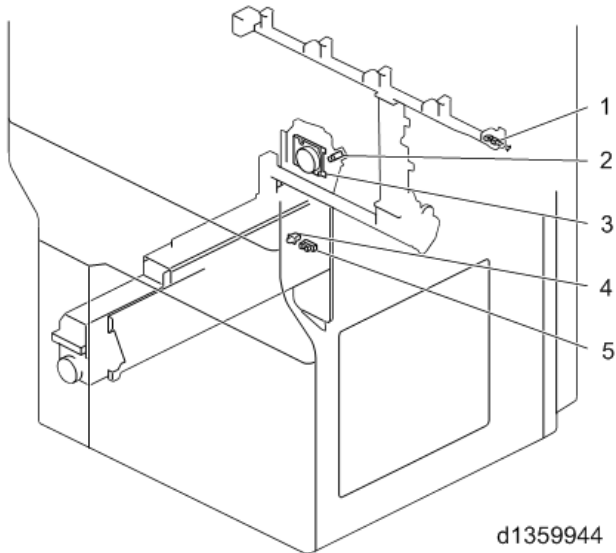
No.	Description	No.	Description
1	Heating Roller Rotation Sensor	11	Cleaning Web Contact Sensor* ¹
2	Pressure Roller Sensor (Rear)	12	Cleaning Web Motor* ¹
3	Thermistor (Fusing Belt)	13	Cleaning Web Set Sensor* ¹
4	Fusing Entrance Sensor	14	Thermistor (Hot Roller Shaft)* ¹
5	Thermopile (Heating Roller)	15	IH Coil Unit
6	Thermopile (Pressure Roller)	16	Fusing Paper Feed Sensor
7	Thermostat (Pressure Roller)	17	Thermostat (Heating Roller)
8	Pressure Roller Sensor (Front)	18	Cleaning Web Contact Motor* ¹
9	Pressure Roller Fusing Lamp	19	Fusing Belt Smoothing Roller Contact Sensor* ¹

7.Detailed Descriptions

No.	Description	No.	Description
10	Cleaning Web End Sensor* ¹		

*1 Pro C5200S/C5210S only

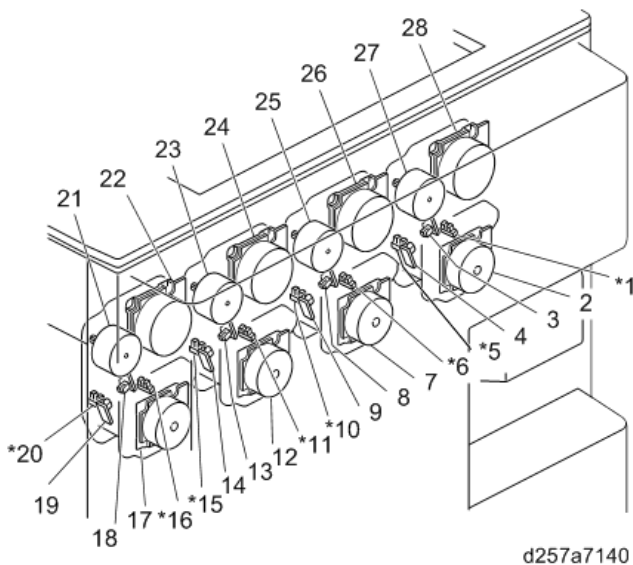
Waste Toner Collection



No.	Description	No.	Description
1	Waste Toner Path Thermistor	4	Waste Toner Bottle Set Sensor
2	Waste Toner Lock Sensor	5	Waste Toner Near Full Sensor
3	Waste Toner Bottle Motor Sensor		

Drive Unit

Drive Unit 1

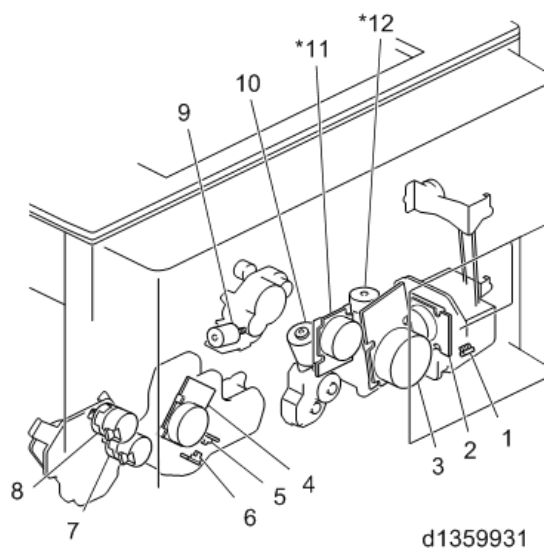


No.	Description	No.	Description
1	Development Roller Home Position Sensor (Y)* ¹	15	Drum Home Position Sensor (C)* ¹

No.	Description	No.	Description
2	Drum Motor (Y)	16	Development Roller Home Position Sensor (K)*1
3	Drum Encoder Sensor (Y2)	17	Drum Motor (K)
4	Drum Encoder Sensor (Y1)	18	Drum Encoder Sensor (K2)
5	Drum Home Position Sensor (Y)*1	19	Drum Encoder Sensor (K1)
6	Development Roller Home Position Sensor (M)*1	20	Drum Home Position Sensor (K)*1
7	Drum Motor (M)	21	Drum Cleaning Motor (K)
8	Drum Encoder Sensor (M2)	22	Development Motor (K)
9	Drum Encoder Sensor (M1)	23	Drum Cleaning Motor (C)
10	Drum Home Position Sensor (M)*1	24	Development Motor (C)
11	Development Roller Home Position Sensor (C)*1	25	Drum Cleaning Motor (M)
12	Drum Motor (C)	26	Development Motor (M)
13	Drum Encoder Sensor (C2)	27	Drum Cleaning Motor (Y)
14	Drum Encoder Sensor (C1)	28	Development Motor (Y)

*1 Pro C5200S/C5210S only

Drive Unit 2

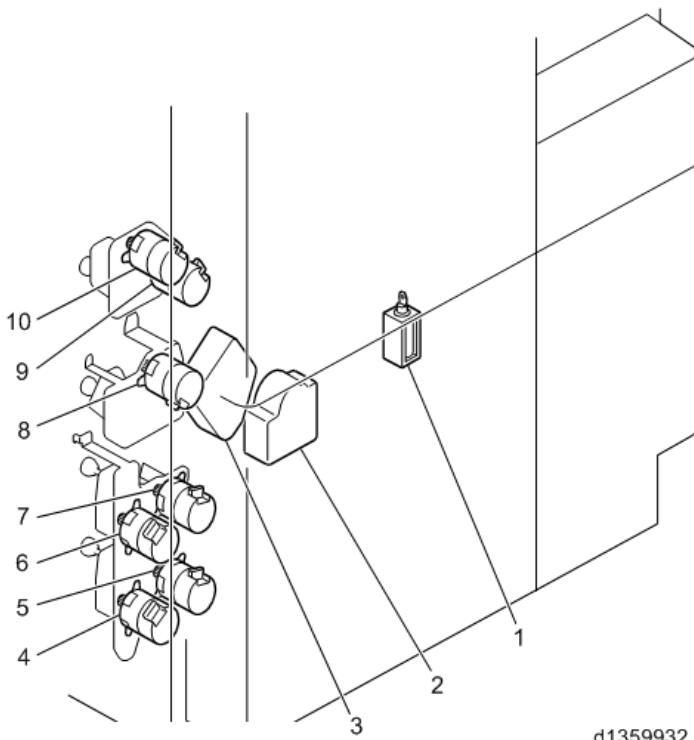


No.	Description	No.	Description
1	Waste Toner Lock Sensor	7	Relay Motor
2	Waste Toner Collection Motor	8	Bypass Feed Motor
3	Fusing Drive Motor	9	ITB Lift Motor
4	Paper Transfer Belt Motor	10	Fusing Release Motor
5	Paper Transfer Belt Encoder Sensor 2	11	Fusing Belt Smoothing Roller Drive Motor*1
6	Paper Transfer Belt Encoder Sensor 1	12	Fusing Belt Smoothing Roller Contact Motor*1

7.Detailed Descriptions

*1 Pro C5200S/C5210S only

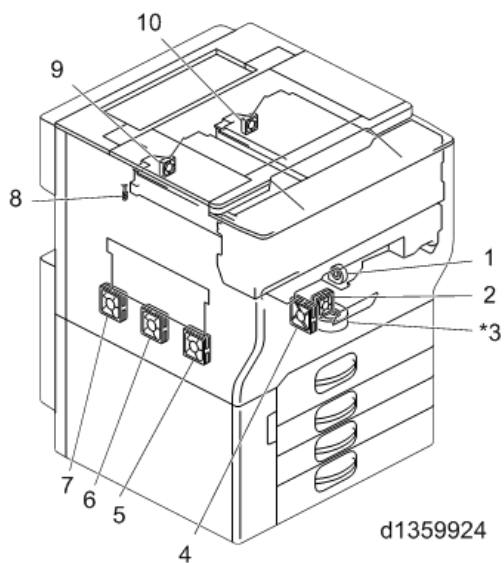
Drive Unit 3



d1359932

No.	Description	No.	Description
1	Left Tray Lock Solenoid	6	2nd Transport Motor
2	Rear Fence Drive Motor	7	2nd Paper Feed Motor
3	1st Tray Lift Motor	8	Vertical Transport Motor
4	3rd Transport Motor	9	1st Paper Feed Motor
5	3rd Paper Feed Motor	10	1st Transport Motor

Fans

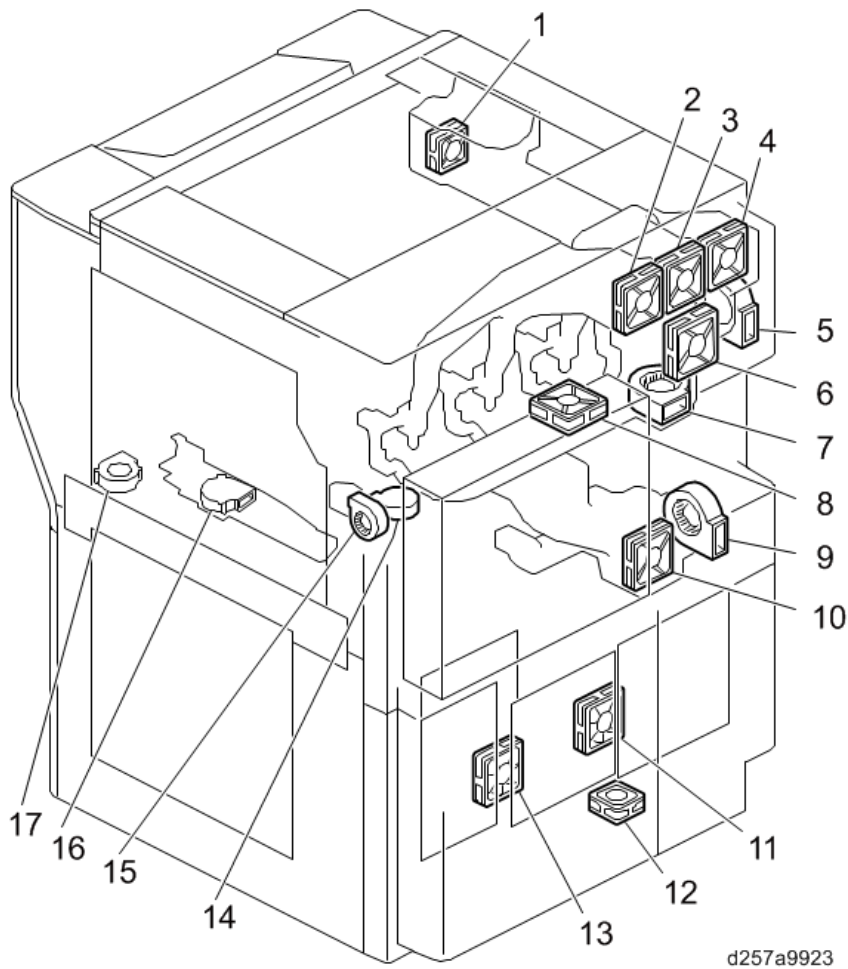
Fans 1

No.	Description	No.	Description
1	ITB Cleaning Intake Fan	6	Duplex Exhaust Fan (Middle)
2	IH Coil Cooling Fan	7	Duplex Exhaust Fan (Rear)
3	Fusing Pressure Roller Intake Fan ^{*1}	8	Machine Temperature Thermistor
4	Fusing Heat Pipe Cooling Fan	9	Laser Unit Cooling Fan (Left)
5	Duplex Exhaust Fan (Front)	10	Laser Unit Cooling Fan (Right)

*1 Pro C5200S/C5210S only

7.Detailed Descriptions

Fans 2

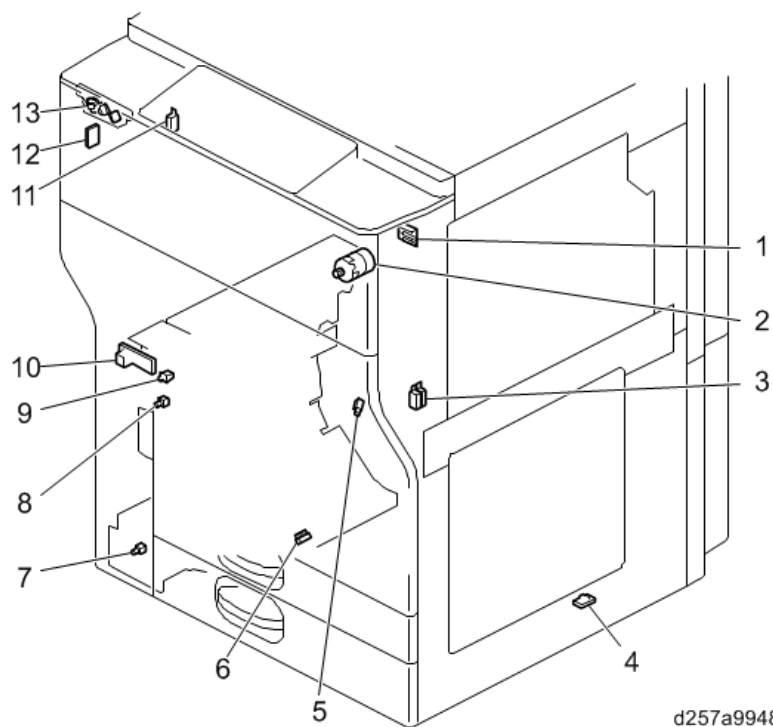


No.	Description	No.	Description
1	Heat Pipe Panel Intake Fan	10	Paper Transfer Belt Fusing Exhaust Fan
2	Development Exhaust Fan (Right)	11	PSU Fan (Left)
3	Development Exhaust Fan (Left)	12	IH Coil Power Cooling Fan
4	Heat Pipe Panel Exhaust Fan	13	PSU Fan (Right)
5	Fusing Exit Exhaust Fan	14	ITB Motor Cooling Fan
6	Drive Exhaust Fan	15	ID Sensor Cleaning Fan
7	Ozone Exhaust Fan	16	Paper Transfer Belt Cooling Fan (Front)
8	Controller Exhaust Fan	17	Paper Transfer Belt Cooling Fan (Rear)
9	Fusing Pressure Roller Exhaust Fan*1		

*1 Pro C5200S/C5210S only

Main Boards

Main Boards 1



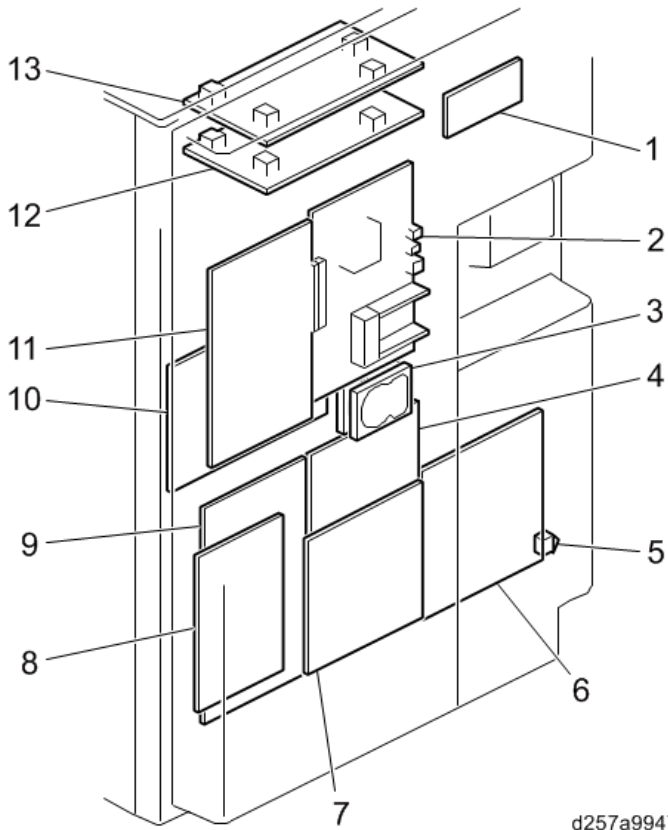
d257a9948

No.	Description	No.	Description
1	Toner Supply Unit Safety Switch 1/2 * ¹	8	Left Lower Door LED
2	Duplex Inverter Motor	9	Front Lower Cover SW
3	Drawer Safety Switch 1/2	10	LSB
4	ITB Temperature/Humidity Sensor	11	Faceplate Set Sensor* ¹
5	Purge Tray LED	12	Main Power Switch
6	Purged Paper Sensor	13	Proximity Sensor
7	Lower Guide Plate LED		

*1 Pro C5200S/C5210S only

7.Detailed Descriptions

Main Boards 2



d257a9947

No.	Description	No.	Description
1	Potential Sensor Board	8	PFB
2	Controller Board	9	PSU1
3	HDD Unit	10	IOB
4	PSU2	11	BICU
5	Anti-Condensation Heater Switch	12	Combined High-Voltage Power Supply Board (KC)
6	AC Drive Board	13	Combined High-Voltage Power Supply Board (MY)
7	IH Inverter		

ADF

Mechanism Descriptions

General Specifications

Items		Descriptions	Remarks
Type		Auto-duplex-scan sheet-through DF	Single-path duplex sheet-through DF
Supported Original Sizes	Simplex	A3 SEF - B6 SEF/LEF 11x17 SEF - 5 1/2x8 1/2 SEF/LEF	40 - 128 g/m ² (10.7 to 47.3 lbs)
	Duplex	A3 SEF - A5 SEF/LEF 11x17 SEF - 5 1/2x8 1/2 SEF/LEF	52.3 - 128 g/m ² (14.0 to 47.3 lbs)
Original Standard Position		Rear left corner, front side-up.	
Original Feed Order		From the top original.	
Separation Method		Feed belt and separation roller	
Scanning Method		Sheet pass method (Front: White guide plate, Back: Color CIS + white roller)	
Placable Original Capacity		220 sheets (80 g/m ² , 20 lbs) Stack height: 25 mm or less.	250 sheets
CPM		500 mm/s (BW) 310.5 mm/s (Color)	
Scanning Throughput	Simplex	Copy: MP C6503/Pro C5200S: 65 ipm MP C8003/Pro C5210S: 80 ipm	LT LEF, A4 LEF 1 to 1 (BW/Color)
		Scan: 120 ipm (200 / 300dpi)	LT LEF, A4 LEF 1 to 1 (Color)
	Duplex	Copy: MP C6503/Pro C5200S: 65 ipm MP C8003/Pro C5210S: 80 ipm	LT LEF, A4 LEF 1 to 1 (BW/Color)
		Scan: 220 ipm (200 / 300 dpi)	LT LEF, A4 LEF 1 to 1 (Color)
Dimensions (W x D x H, mm)		587mm x 520 mm x 175 mm	
Weight		13.9 kg or less	
Power Source		DC 24V, DC 12V, DC 5V	Supplied from the main machine.
Power Consumption		61.0 W or less	

7.Detailed Descriptions

Supported Original Sizes

Paper Thickness		35kg	40kg	45kg	55kg	70kg	90kg	110kg	Tracing paper
		40.7 g/m2	46.5 g/m2	52.8 g/m2	64 g/m2	81.4 g/m2	105 g/m2	128 g/m2	
		11lbs	12.5lbs	14lbs	17lbs	22lbs	28lbs	34lbs	TA, TE, TC
Quantity		250 Sheets		250 Sheets		220 Sheets	60 Sheets	50 Sheets	1 Sheet
Original Size	A3/A4	○		●		●	●	●	▲
	A5	○		●		●	●	●	-
	B4/B5	○		●		●	●	●	▲
	B6P	-		○		○	○	○	-
	DLT	○		●		●	●	●	-
	LT	○		●		●	●	●	-
	HLT	○		●		●	●	●	-
	F	○		●		●	●	●	-

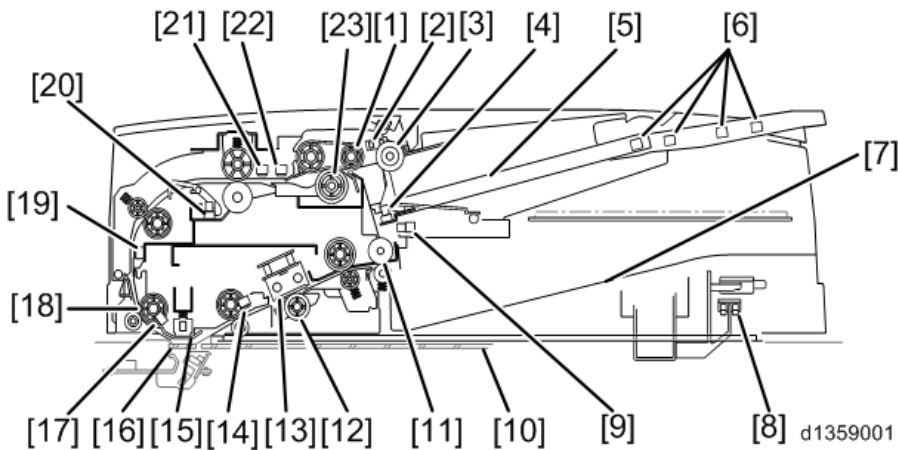
●: Possible in simplex and duplex

○: Simplex only

▲: SADF Simplex only

-: Not supported

Component Layout



1	Paper Feed Belt	13	CIS
2	Bottom Plate Position Sensor	14	Original Exit Sensor
3	Pick-up Roller	15	White Plate
4	Original Set Sensor	16	ADF Exposure Glass
5	Original Tray (Bottom Plate)	17	Original Registration

			Sensor
6	Original Length Sensors (A4 LEF/LT LEF Sensor, B5 Width Sensor, A4 Width Sensor, LG Width Sensor)	18	Pre-Scanning Entrance Roller
7	Exit Tray	19	Interval Sensor
8	Lift-Up Sensor	20	Original Width Sensor 1 to 5
9	Bottom Plate HP Sensor	21	Skew Correction Sensor
10	Exposure Glass (Book Mode)	22	Separation Sensor
11	Exit Roller	23	ADF Separation Roller
12	White Roller		

1. Original Pickup

The pick-up roller feeds the original in from the tray.

2. Original Feed and Separation

With the feed belt and the ADF separation roller, pages of the original are fed and separated.

3. Original Size Detection

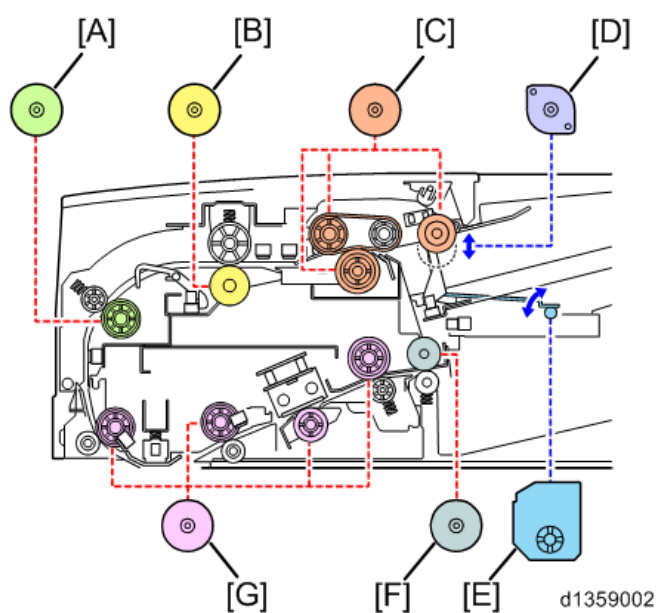
Five original width sensors and four original length sensors detect the size.

4. Duplex Original Scanning

A CCD (inside the scanner unit, below the ADF) scans the front side, and a CIS (inside the ADF) scans the back side.

Drive Components

The rollers in the ADF are driven by the following seven motors.



A	ADF Transport Motor	E	ADF Bottom Plate Lift Motor
B	ADF Entrance Motor	F	ADF Exit Motor
C	ADF Feed Motor	G	ADF Scanning Motor

D	ADF Pick-up Roller Lift Motor		
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Mechanism Details

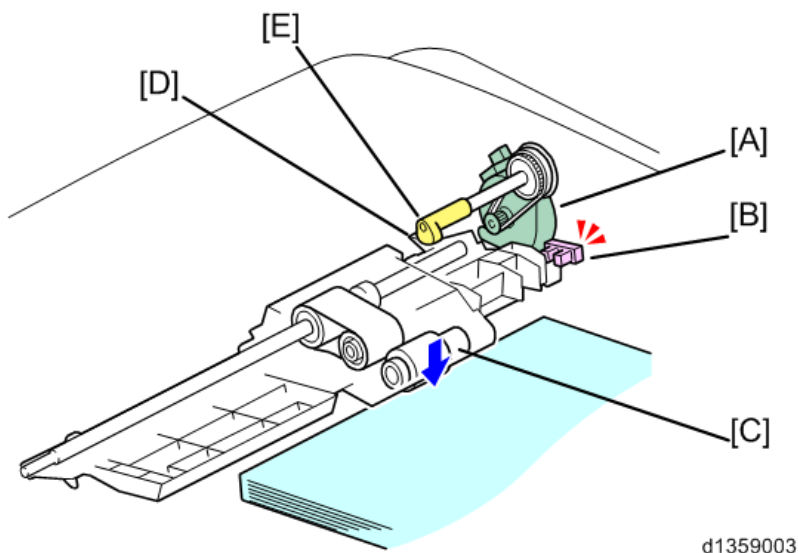
Original Pick-up

Original Detection

When an original is placed on the original tray correctly, the leading edge of the original pushes up the feeler of the original set sensor.

Pick-up Roller Shift up / down

When no original is placed, the pick-up roller [C] is in the upper position (released). When the original set sensor detects an original, the ADF pick-up roller lift motor [A] turns ON. When the lift cam [E] releases the pick-up lever [D], the pick-up roller [C] moves down. To lift the pick-up roller [C] away from the paper, the ADF pick-up roller lift motor [A] turns on until the bottom plate position sensor [B] turns off. Then the ADF pick-up roller lift motor [A] turns off.



Pick-up Roller Down Timing

- When the original set sensor detects that an original has just been placed
- When the trailing edge of an original passes the skew correction sensor (except for the final sheet of an original). For A4 LEF / LT LEF, when the trailing edge of the original passes the original registration sensor.

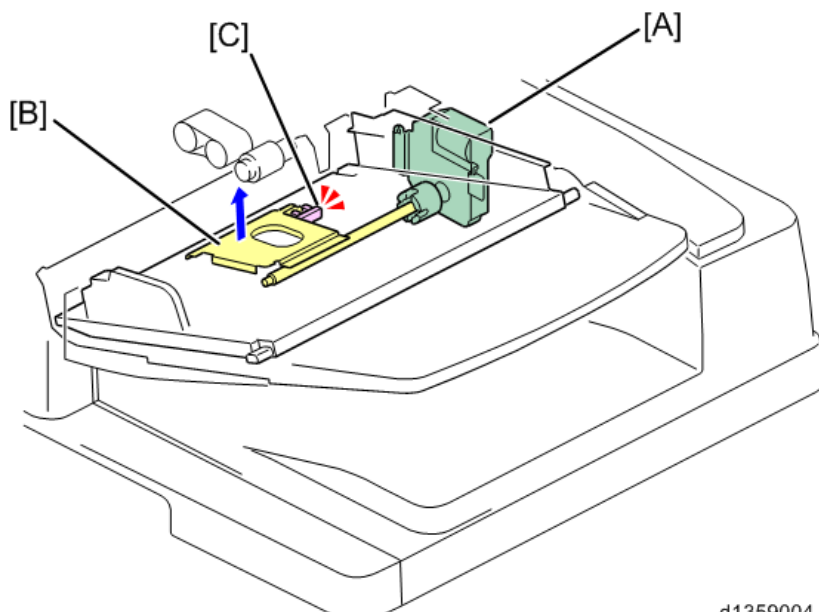
Pick-up Roller Lift Timing

- When the leading edge of an original passes the skew correction sensor
- Just after the main power switch turns on
- When the ADF feed cover is opened
- When there is an original jam

Bottom Plate Lift

When the original set sensor detects that an original has just been placed, the pick-up roller drops (the pick-up

roller HP sensor turns off), then the ADF bottom plate lift motor [A] turns ON, and the lift lever [B] lifts the bottom plate. The bottom plate HP sensor [C] (on the pick-up roller holder) detects when the bottom plate is at the correct position for original feed, and the ADF bottom plate lift motor [A] stops. When the bottom plate HP sensor [C] turns off during original feed, the ADF bottom plate lift motor [A] turns on until the bottom plate HP sensor [C] turns on again. This mechanism ensures that the top of the original is always at the correct height for feed, even when the maximum number of sheets [220 sheets (80 g/m², 20 lbs)] is stacked in the original tray. At the end of a job, the ADF bottom plate lift motor moves the bottom plate down until the bottom plate HP sensor detects it.



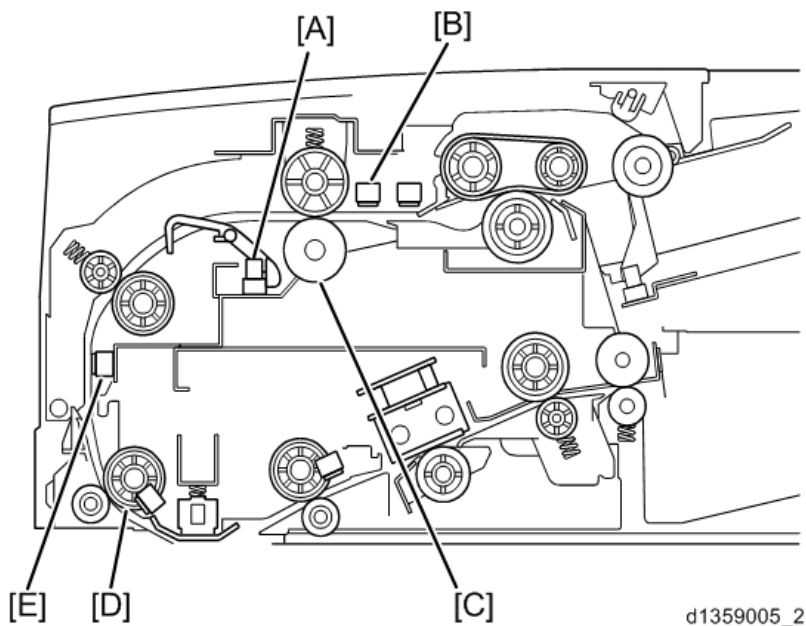
d1359004

Skew Correction

The skew correction sensor [B] detects the leading edge of the original after it passes through the separation area. When the leading edge reaches the entrance roller [C], the original is fed a bit more so that it bumps into the entrance roller [C], to make slack for skew adjustment.

For small paper (B6, A5, B5, HLT) or duplex printing, after detection by the interval sensor [E], the original bumps into the pre-scanning entrance roller [D] (this is a second skew correction, in addition to the entrance roller).

7.Detailed Descriptions



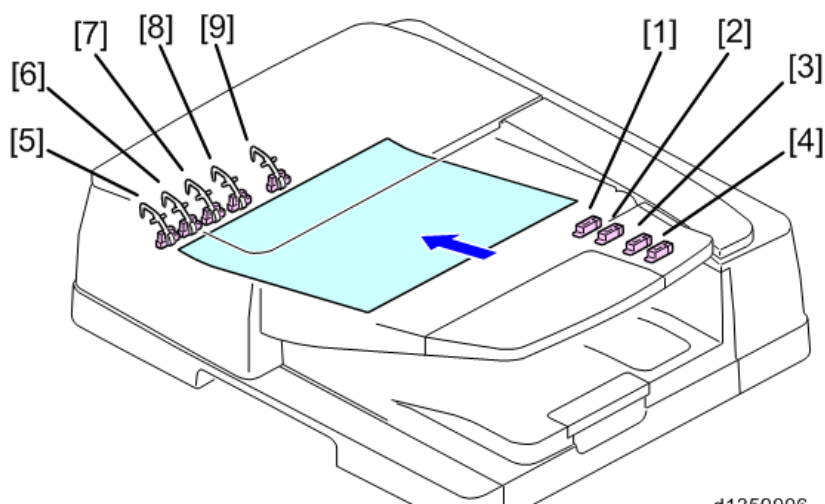
A	Original Width Sensor 1 to 5	D	Pre-Scanning Entrance Roller
B	Skew Correction Sensor	E	Interval Sensor
C	Entrance Roller		

With SP6-020-001, the 2nd skew correction can be enabled for all paper sizes. But if this is done, the process speed becomes slower as shown below.

Application	Model	Scanning Mode	Process Speed (ppm)		Process Speed Decreasing Rate (%)
			2nd Skew Correction: OFF	2nd Skew Correction: ON	
Copy	MP C6503/C8003	Simplex	66.0	64.9	1.7
		Duplex	56.6	54.3	4.1
	Pro C5200S/C5210S	Simplex	80.8	79.4	1.7
		Duplex	56.6	54.3	4.1
Scanner (600dpi)	MP C6503/C8003, Pro C5200S/C5210S	Simplex	105.8	97.3	8.0
		Duplex	79.2	75.2	5.1
Scanner (200dpi)		Simplex	130.0	118.3	9
		Duplex	114.6	103.9	9.3

Original Size Detection

Five original width sensors detect the width of the original just when the leading edge of the original passes the interval sensor. Four original length sensors on the original table detect the length. These two pieces of size information summarize the original size.



d1359006

1	Original Length Sensor (A4 LEF/LT LEF Sensor)	6	Original Width Sensor 4
2	Original Length Sensor (B5 Width Sensor)	7	Original Width Sensor 3
3	Original Length Sensor (A4 Width Sensor)	8	Original Width Sensor 2
4	Original Length Sensor (LG Width Sensor)	9	Original Width Sensor 1
5	Original Width Sensor 5		

Size (W x L)	Width Sensor					Length Sensor			
	1	2	3	4	5	A4 LEF/ LT LEF	B5	A4	LG
A3 (297×420)	ON	ON	ON	ON	ON	ON	ON	ON	ON
B4 (257×364)	ON	ON	ON	-	-	ON	ON	ON	ON
A4 SEF (210 x 297)	ON	ON	-	-	-	ON	ON	ON	-
A4 LEF (297 x 210)	ON	ON	ON	ON	ON	-	-	-	-
B5 SEF (182 x 257)	ON	-	-	-	-	ON	ON	-	-
B5 LEF (257 x 182)	ON	ON	-	-	-	-	-	-	-
B6 SEF (128 x 182)									
B6 LEF (182 x 128)	ON								
11" x 17" SEF (DLT)	ON	ON	ON	ON	-	ON	ON	ON	ON
11" x 15" SEF	ON	ON	ON	ON	-	ON	ON	ON	ON
8 2/1" x 11" SEF (LT)	ON	ON	-	-	-	ON	ON	-	-
11" x 8 1/2" LEF (LT)	ON	ON	ON	ON	-	-	-	-	-

Note: The machine cannot tell the difference between certain original sizes, such as DLT (11 x 17") and 11 x 15". The machine assumes such originals are 11 x 17". To change this, use SP6-016-001.

Original Feed/Transport Mechanism

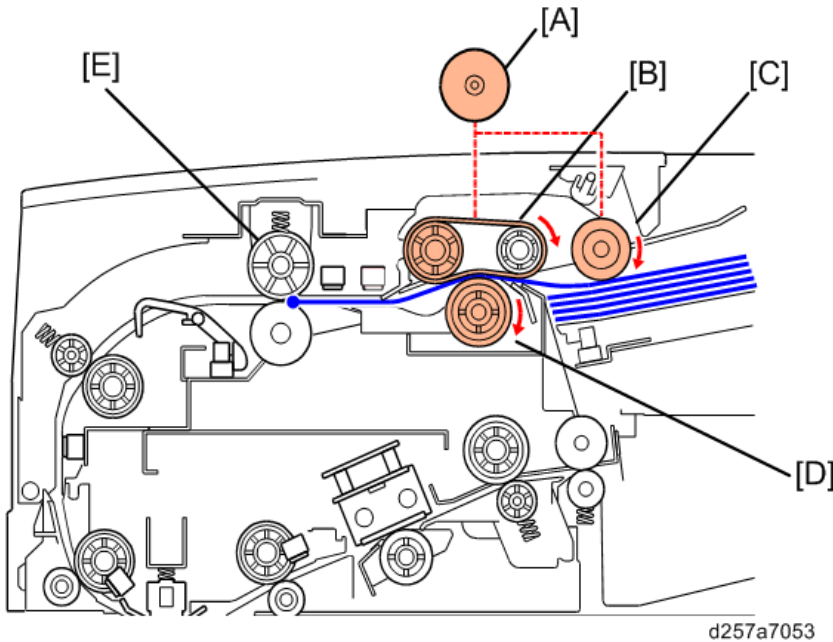
When the machine signals the ADF to start feeding, the ADF feed motor [A] drives the pick-up roller [C], the feed belt [B], and the ADF separation roller [D], and these rollers feed the original.

This machine uses the FRR method as the separation mechanism, with a feed belt [B] and ADF separation roller

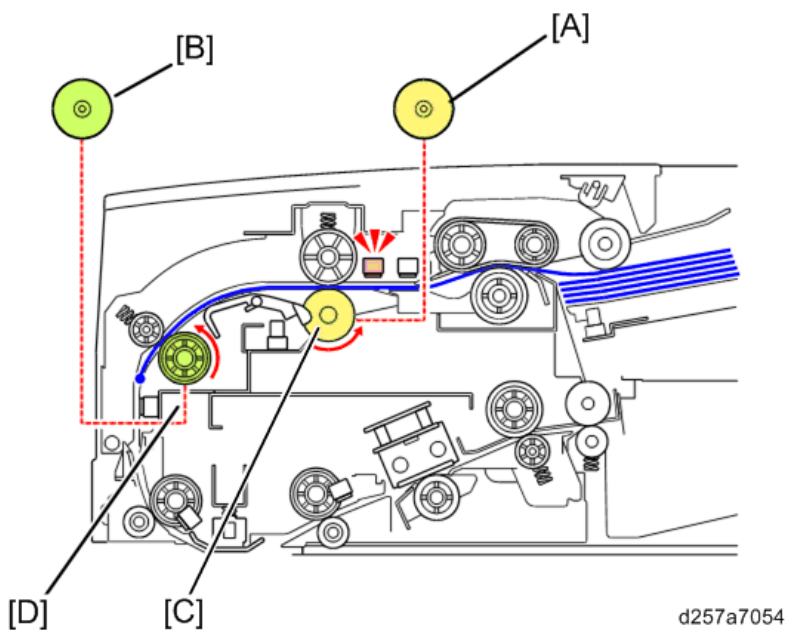
7.Detailed Descriptions

[D].

When the pick-up roller [C] feeds two or more sheets into the feed belt unit [B], the ADF separation roller [D] rotates backward to push all sheets back to the original tray except the top one. Then one sheet of the original remains and the ADF separation roller [D] rotates forward due to the torque from the torque limiter included in the ADF separation roller. Then the original is transferred by the feed belt [B] and bumps into the entrance roller [E] to correct the skew.

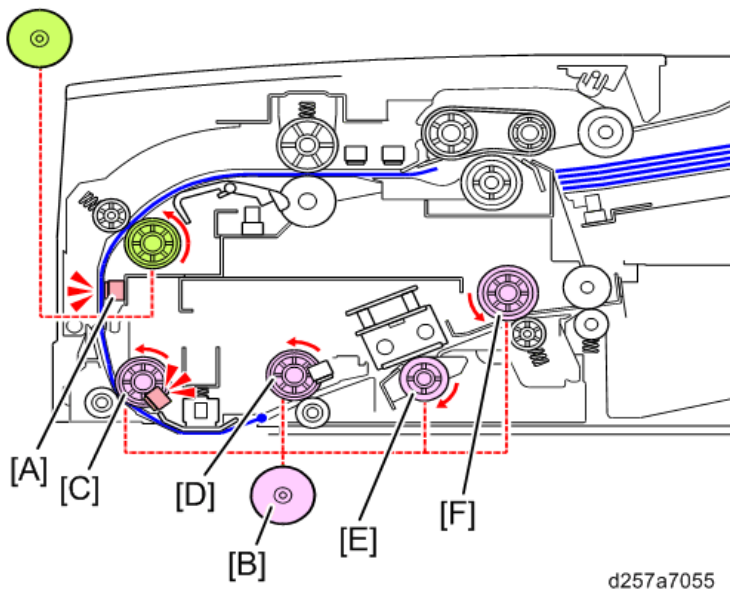


After skew correction at the entrance roller, the ADF entrance motor [A] and the ADF transport motor [B] drive the ADF entrance roller [C] and relay roller [D] to feed the original towards the exposure glass.

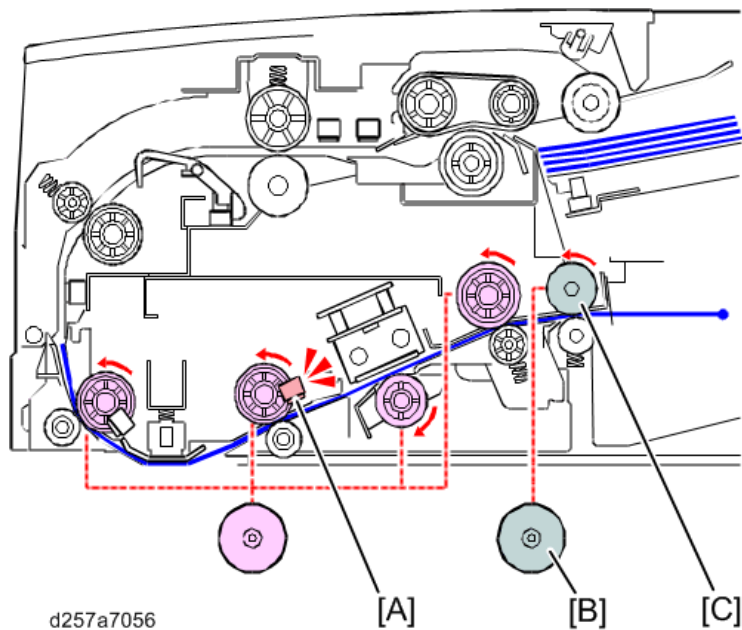


When the interval sensor [A] detects the original, the ADF scanning motor [B] drives the pre-scanning entrance roller [C], scanning relay roller [D], white roller [E], and ADF transport roller [F] in order to pass the original through the scanning area. (L: Original Registration Sensor)

After the pre-scanning entrance roller starts to rotate, the ADF entrance motor drives faster to make the space smaller between the former sheet (on the scanner) and the next sheet. However, if the sheet reaches the pre-scanning entrance roller [C] at this speed, original buckle may occur due to the disparity of roller rotation speeds. So when the interval sensor [A] detects the leading edge, original transport speed slows down so that the roller speeds match when the leading edge of the original reaches the pre-scanning entrance roller [C].



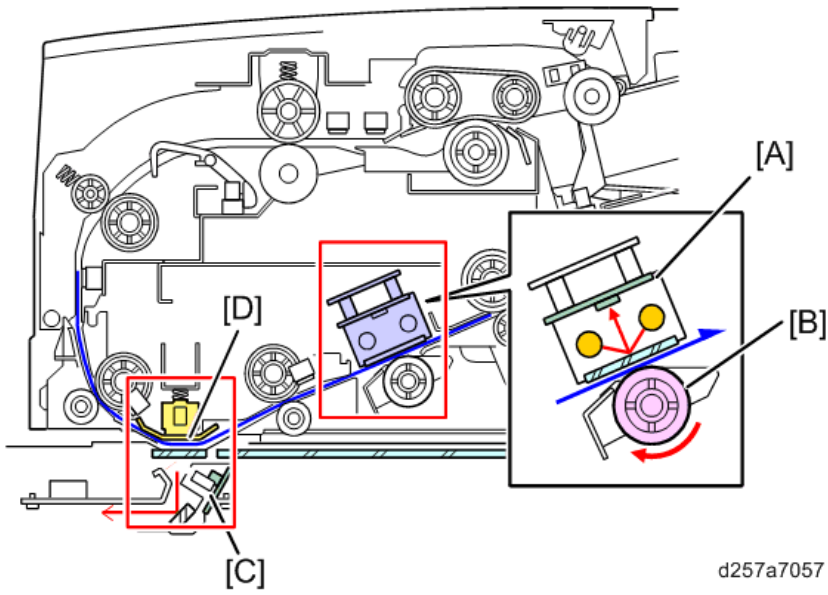
The ADF exit motor [B] drives the exit roller [C] to send original out to the exit tray when the original exit sensor [A] detects the original.



Duplex Scanning

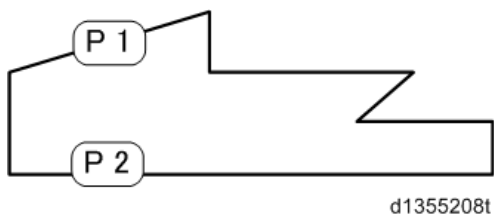
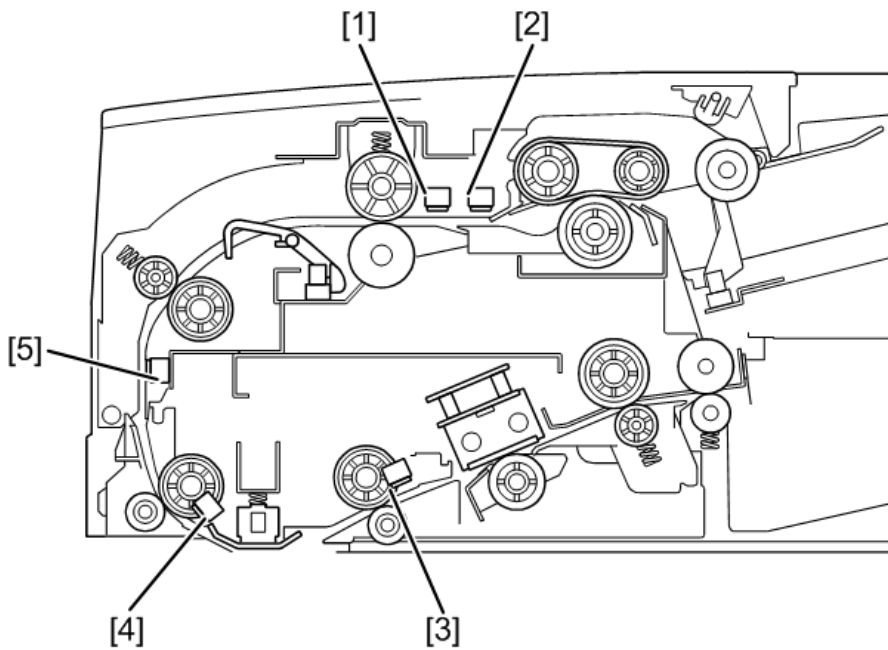
A CIS (Contact Image Sensor) [A] enables the machine to scan both faces of an original at once. The front side of the original is scanned by the scanner unit (LED) [C] and the back side of the original is scanned by the CIS [A] in the ADF.

7.Detailed Descriptions



- A: CIS
- B: White Roller
- C: Scanner Unit (LED)
- D: White Plate

Jam Detection



7.Detailed Descriptions

1	Skew Correction Sensor	4	Original Registration Sensor
2	Separation Sensor	5	Interval Sensor
3	Original Exit Sensor		

In jam detection, the following sensors are used. The detection triggers are also shown in the list below.

Jam Display	Jam Name	Detection Trigger
P1	Separation Sensor Late Jam	The leading edge cannot be detected even when the original is transported 224 mm after the feed roller starts
P1	Skew Correction Sensor Late Jam	The leading edge cannot be detected even when the original is transported 46 mm after the separation sensor detects the leading edge
P1	Interval Sensor Late Jam	The leading edge cannot be detected even when the original is transported 172 mm after the entrance roller starts
P1	Original Registration Sensor Late Jam	The leading edge cannot be detected even when the original is transported 96 mm after the interval sensor detects the leading edge
P2	Original Exit Sensor Late Jam	The leading edge cannot be detected even when the original is transported 130 mm after the original registration sensor detects the leading edge
P1	Separation Sensor Lag Jam	The trailing edge cannot be detected even when the original is transported xxx mm (the number comes out from the following equation) after the entrance roller starts. Equation: (“Standard Value”-35.3) x 1.5 See list 2 below about “Standard Value”; If the user designates an original length which is larger than “Standard Value”, the machine considers the designated length as “Standard Value”.
P1	Skew Correction Sensor Lag Jam	The trailing edge cannot be detected even when the original is transported 46 mm after the separation sensor detects the trailing edge.
P1	Interval Sensor Lag Jam	The trailing edge cannot be detected even when the original is transported 49 mm after the relay motor stops.
P2	Original Registration Sensor Lag Jam	The trailing edge cannot be detected even when the original is transported 93 mm after the interval sensor detects the trailing edge.
P2	Original Exit Sensor Lag Jam	The trailing edge cannot be detected even when the original is transported 130 mm after the original registration sensor detects the trailing edge.

List 2

A4 LEF/LT LEF Sensor	B5 Width Sensor	A4 Width Sensor	LG Width Sensor	Standard Value
Not detected	Not detected	Not detected	Not detected	226.8
Detected	Not detected	Not detected	Not detected	253.8
-	Detected	Not detected	Not detected	291
-	-	Detected	Not detected	320
-	-	-	Detected	432

7.Detailed Descriptions

Abnormal Detection

No.	Abnormal Name	To Release	Possible Trigger
700-01*	ADF Bottom Plate Lift Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Bottom plate position sensor abnormal (output abnormal) • Bottom plate HP sensor abnormal (output abnormal) • ADF bottom plate lift motor abnormal (cannot drive) • ADF control board defective
700-02*	Original Pick-up Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • ADF pick-up roller HP sensor abnormal (output abnormal) • ADF pick-up roller lift motor abnormal (cannot drive) • ADF control board defective
700-04*	ADF Feed Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • Overload
700-05*	ADF Entrance Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • Overload
700-06*	ADF Transport Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • Overload
700-07*	ADF Scanning Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • Overload
700-09*	ADF Exit Motor Abnormal (1-Path ADF)	Reboot the machine	<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • Overload
701-02	ADF Pick-up Roller Lift Motor Driver Abnormal (1-Path ADF)	Reboot the machine	ADF pick-up roller lift motor driver IC abnormal
702-	Protection-device	Reboot the	Motor defective or harness short in ADF pick-up roller

7.Detailed Descriptions

No.	Abnormal Name	To Release	Possible Trigger
04	Disconnection Abnormal 4 (1-Path ADF)	machine	lift motor, fax transmission stamp solenoid, or ADF bottom plate lift lift motor
702-05	Protection-device Disconnection Abnormal 5 (1-Path ADF)	Reboot the machine	Motor defective or harness short in ADF feed motor, ADF entrance motor, ADF transport motor, ADF scanning motor, or ADF exit motor
154-00*	Scanner Communication Error: Back Side	Reboot the machine	<ul style="list-style-type: none"> • Communication harness abnormal between ADF control board and CIS board • CIS defective
151-00*	Black-level Abnormal: Back Side	Reboot the machine	CIS defective
152-00*	White-level Abnormal: Back Side	Reboot the machine	<ul style="list-style-type: none"> • CIS defective • CIS background white roller or plate blemished / dirty / not installed correctly
620-01	ADF Communication Error 1	Reboot the machine	<ul style="list-style-type: none"> • ADF connection failure • ADF defective • BICU defective • Noise in the signal
620-02	ADF Communication Error 2	Reboot the machine	<ul style="list-style-type: none"> • ADF connection failure • ADF defective • BICU defective • Noise in the signal • The connected ADF is a non-compatible model (The ADF machine code does not meet specifications).
620-03	ADF Communication Error 3	Reboot the machine	<ul style="list-style-type: none"> • ADF connection failure • ADF defective • BICU defective • Noise in the signal

*Occurrence two times in a row issues an initial jam notice. But occurrence three or more times in a row issues an abnormal code notice.

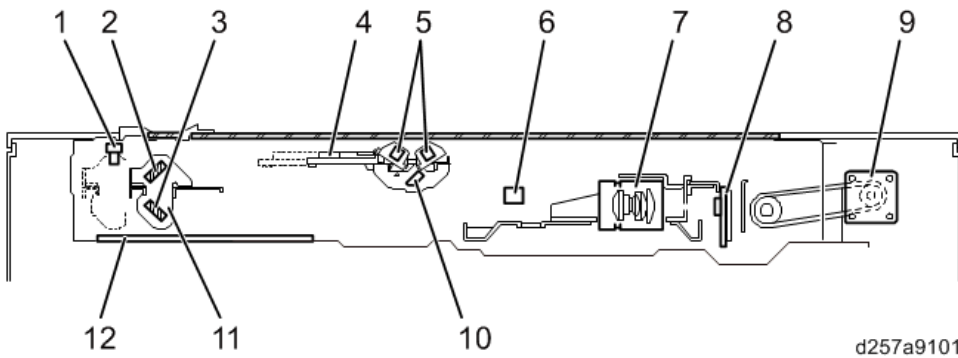
Scanner

Mechanism Descriptions

Component Layout

Light from the scanner LED passes to the sensor through the following route:

1st Mirror > 2nd Mirror > 3rd Mirror > Lens Block > Sensor (SBU)



No.	Descriptions	No.	Descriptions
1	Scanner Home Position Sensor	7	Lens Block
2	2nd Mirror	8	SBU
3	3rd Mirror	9	Scanner Drive Motor
4	1st Scanner Carriage	10	1st Mirror
5	Scanner LED	11	2nd Scanner Carriage
6	Original Length Sensor	12	Anti-Condensation Heater (optional)

Overview

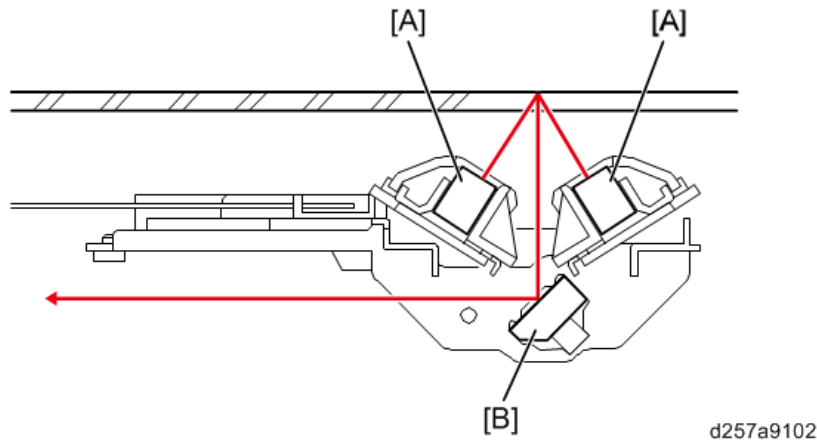
Scanner	Light source: Two LED lamps
	SBU (3-line CMOS sensor, Resolution: 600 dpi)
Drive	Scanner Drive Motor (Biphase Stepping Motor)
	Drive Wire
	Scanner home position Sensor
Original Size Detection	APS (Length Sensor x 2), CCD (Width detection)
Others	Anti-Condensation Heater (Service Option)

Mechanism Details

Scanner

Light from the LED lamps [A] passes to the sensor on the SBU board through the following route:

1st Mirror [B] > 2nd Mirror > 3rd Mirror > Lens Block > Sensor



- **LED Lamp**

LED lamps consume less power and provide better light at start-up so this machine employs LED lamps instead of xenon lamps. The power consumption is 30% of xenon lamps. To obtain the optimum light quantity, LED lamps are installed at an angle.

- **Sensor**

The sensor collects the light that was reflected from the original and converts it to three color digital signals (R, G, B).

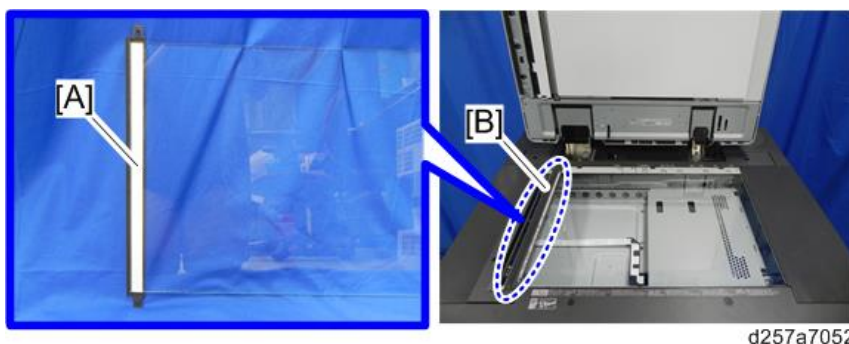
The resolution of this CMOS sensor is 600dpi.

- **Shading Adjustment**

A white plate for shading adjustment [A] is attached to the back of the scale [B]. Just after the power switch is turned on, the machine performs shading adjustment, during which the scanner unit moves to the white plate to emit LED light onto it in order to perform lamp modulation.

For normal (book mode) scanning, the machine performs shading every page regardless of BW or color.

For ADF scanning, the machine performs shading before the 1st sheet of the original is scanned regardless of BW or color, and then after that the machine performs shading for following sheets at regular intervals (one minute or more).



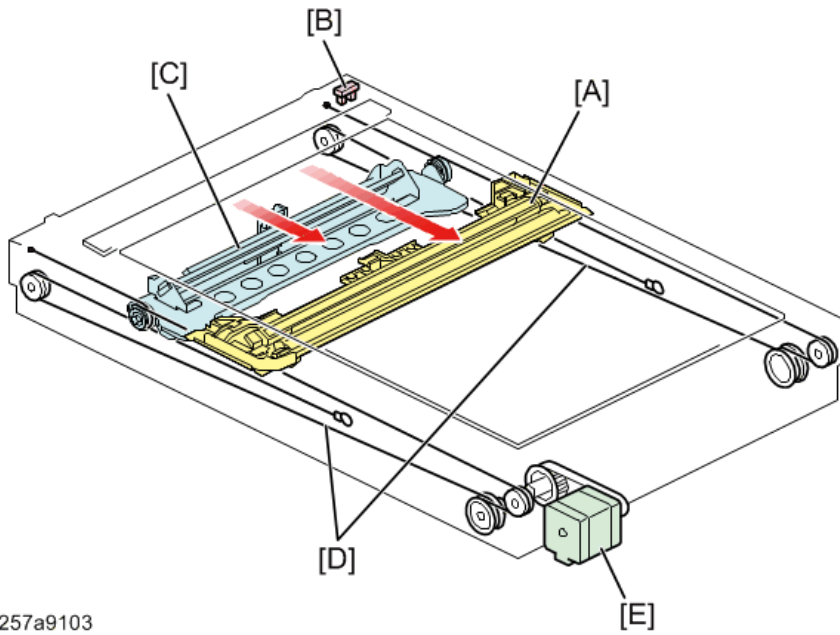
Drive

The scanner unit is driven with scanner wires [D] which are driven by the scanner drive motor [E]. Scanning is done with one run from left to right.

Scanner position control (for the 1st carriage [A]) uses the scanner home position sensor [B] as a reference point.

7.Detailed Descriptions

The scanner home position sensor is near the scan area of the ADF exposure glass.



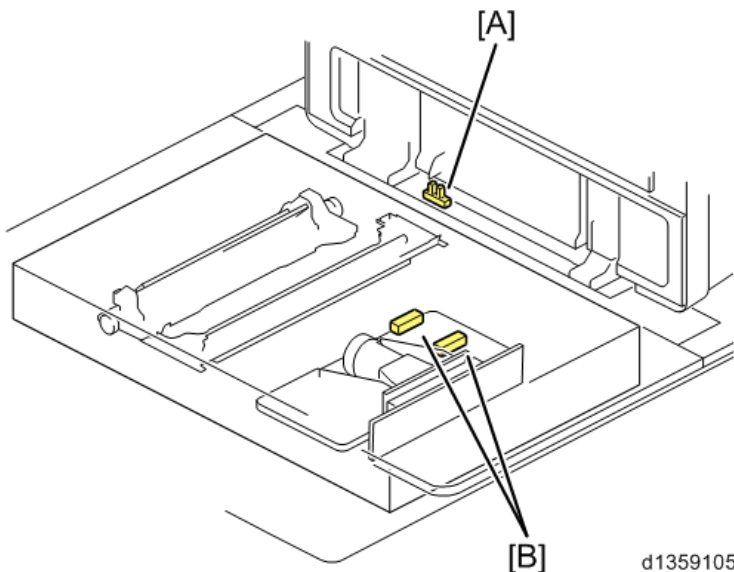
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No.	Description	No.	Description
[A]	1st Carriage	[D]	Scanner Wire
[B]	Scanner Home Position Sensor	[E]	Scanner Drive Motor
[C]	2nd Carriage		

Original Size Detection

Two reflective sensors [B] are used to detect the original length. The original width is detected by a 3-point pre-scan using the CCD.

The DF position sensor [A] is detecting the open/closed state of the ADF. The original length is determined when the sensor state changes from “not interrupted” to “interrupted” (when the ADF is closed). Then the machine starts pre-scanning. If the sensor state stays “not interrupted“, the detected data, that is read just after [Start] is pressed, is used as original length.



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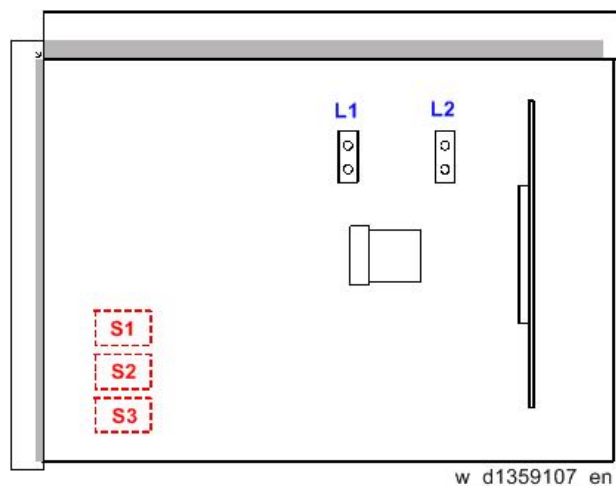
A	DF Position Sensor (APS)
B	Original Length Sensor

Original Sensor State

The original sensor states depending on original size can be seen with “SP4-301-001”.

The display in “SP4-301-001” varies as shown below.

Smaller paper than B5 cannot be detected because of the location of the sensors; the display shows “00000000” for all these sizes.



Size	L1	L2	Display in SP4301-001
A3	On	On	00000011
B4	On	On	00000011
A4: SEF	On	Off	00000001
A4: LEF	Off	Off	00000000
B5: SEF	On	Off	00000001
B5: LEF	Off	Off	00000000
A5: SEF	Off	Off	00000000
A5: LEF	Off	Off	00000000

For width detection, if the value detected by the CCD at any of the three detection locations (S1, S2, or S3) is 28 or more, the machine detects that an original has been placed. SP4-310-001 to -009 show the CCD readings at S1 to S3. The values shown are the latest detection results.

SP4-310-001: S1 point: R-value at CCD original size detection	If any of the values is 28 or larger, an original exists at the S1 point
SP4-310-002: S1 point: G-value at CCD original size detection	
SP4-310-003: S1 point: B-value at CCD original size detection	
SP4-310-004: S2 point: R-value at CCD original size detection	If any of the values is 28 or larger, an original exists at the S2 point

7.Detailed Descriptions

SP4-310-005: S2 point: R-value at CCD original size detection	If any of the values is 28 or larger, an original exists at the S3 point
SP4-310-006: S2 point: B-value at CCD original size detection	
SP4-310-007: S3 point: R-value at CCD original size detection	
SP4-310-008: S3 point: G-value at CCD original size detection	
SP4-310-009: S3 point: B-value at CCD original size detection	

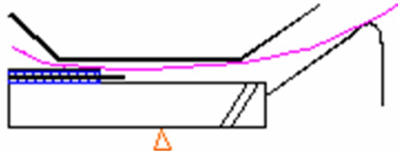
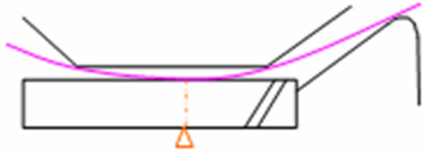
Size Name	Feed Direction	Size (Width x Length)	S1	S2	S3
A3	SEF	297 x 420	-	-	○
B4	SEF	257 x 364	-	○	-
A4	SEF	210 x 297	○	-	-
A4	LEF	297 x 210	-	-	○
B5	SEF	182 x 257	-	-	-
B5	LEF	257 x 182	-	○	-
A5	SEF	148 x 210	-	-	-
A5	LEF	210 x 148	○	-	-
B6	SEF	128 x 182	-	-	-
B6	LEF	182 x 128	-	-	-

"○": Either of the R, G, or B values is 28 or larger.

"-": The R, G, and B values are all smaller than 28.

Original Transport from ADF

There is a difference between MPC6503SP / C8003SP and Pro C5200S / C5210S in the method of original transport from the ADF.

	MP C6503SP / C8003SP	Pro C5200S / C5210S
Transport Method	Non-contact Transport	Contact Transport
Descriptions	 <p>Because of the film attached to the glass, the original does not contact the glass.</p>	 <p>While passing, the original contacts the glass.</p>
Merit	Sticky material does not normally transfer	Stripes in images caused by dust on the glass are

	MP C6503SP / C8003SP	Pro C5200S / C5210S
	from the surface of the originals to the surface of the glass.	rare, because the glass is cleaned by contact with the original as it passes over the glass.
Demerit	Compared with the contact method, dust is more likely to remain in the original feed path, and this causes stripes in the image.	More often than in the non-contact method, stripes in the image occur due to foreign substances that stick to the surface of an original and transfer to the exposure glass.
Aim	To improve prevention of stripes on images caused by sticky foreign substances on the surfaces of originals that transfer to the exposure glass.	Comparing to users of machines for office use, users of this machine tend not to use originals that have sticky substances on the surface. For the main users of this machine, it's more important to improve prevention of stripes on images caused by dust in the original feed path.
Note	<ol style="list-style-type: none"> 1. Be sure to replace the sheet-through glass with the film attached to the glass. 2. When you attach the film to the glass, you need to keep the left scale attached to the glass in order to ensure the correct location of the film. (ADF Exposure Glass, Gap Sheet (MP C6503/C8003)) 3. You can change the method (contact method to non-contact, or vice versa) by replacing the parts. (Modification Procedure for Original Transport) 	-

Dust Detection

- **General**

After an original is placed in the ADF and the [Start] key is pressed, dust detection starts.

The machine checks for dust on the ADF exposure glass before the first original of a job is fed by the ADF.

The operation flow varies depending on the SP mode setting.

- **Related SP codes**

SP4020-001: DF dust detection setting / Detection on/off setting (default "0" = "off")

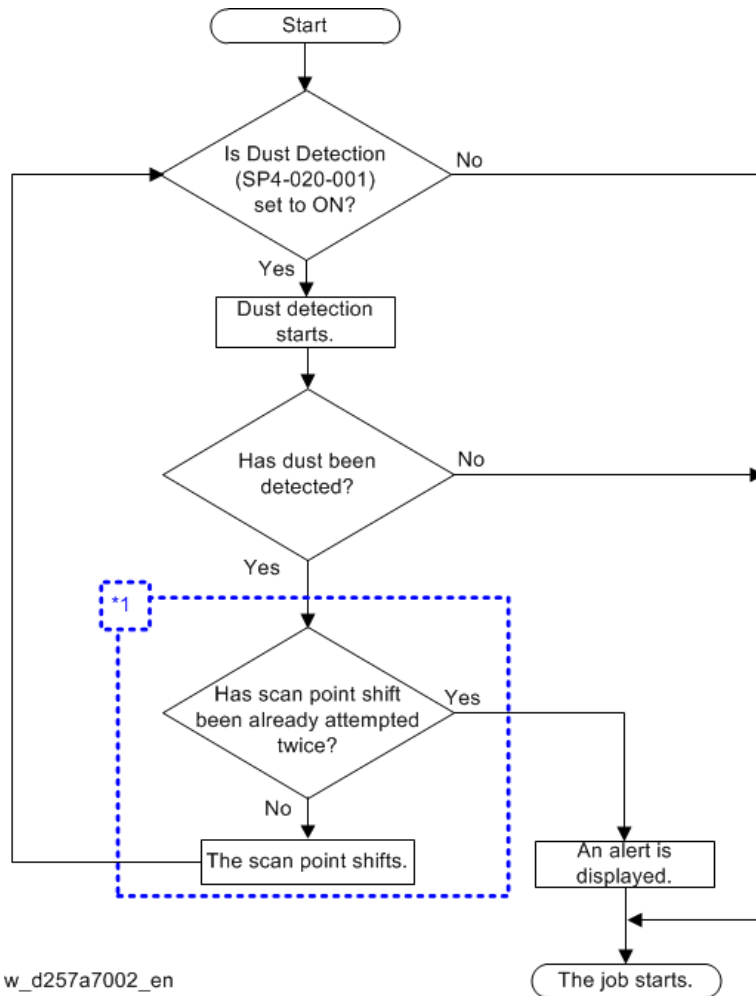
SP4020-002: DF dust detection setting / Detection level switch setting

SP4020-003: DF dust detection setting / Adjustment level switch setting

SP7852-001: DF contact glass / Dust detection counter

SP7852-002: DF contact glass / Dust clear counter

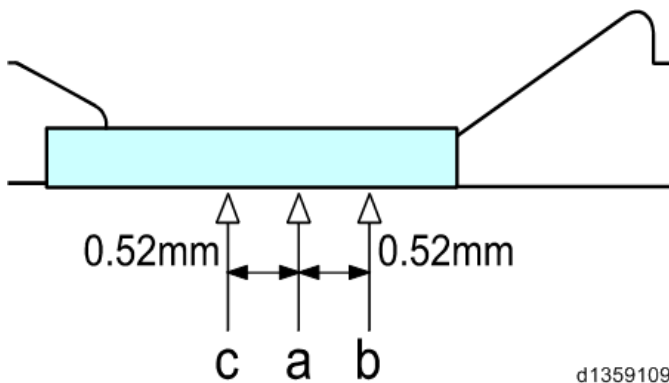
7.Detailed Descriptions



*1 For details, see "Scan Point Shift".

Scan Point Shift

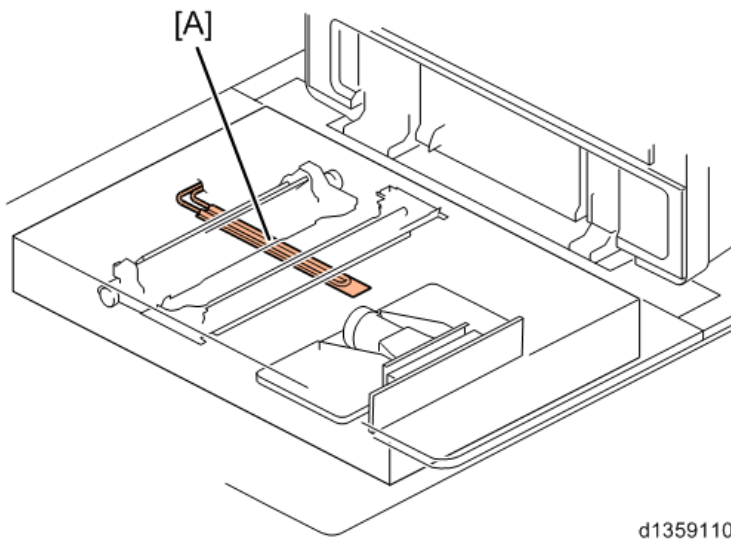
When dust detection determines that dust exists, the scan point shifts in order to avoid the dust. There are three scanning points; one is HP (Default), the others are 0.52 mm to the right (=b) from the HP and 0.52 mm to the left (=c) from the HP. The shift is always in the following order: "a > b > c > a > b".



Anti-Condensation Heater

Under low temperature conditions, optical parts (mirrors) may become moistened. This will cause "image deletion", "black out image", and "gray image". As a countermeasure against these problems, there is an anti-

condensation heater [A] that is an optional service part.



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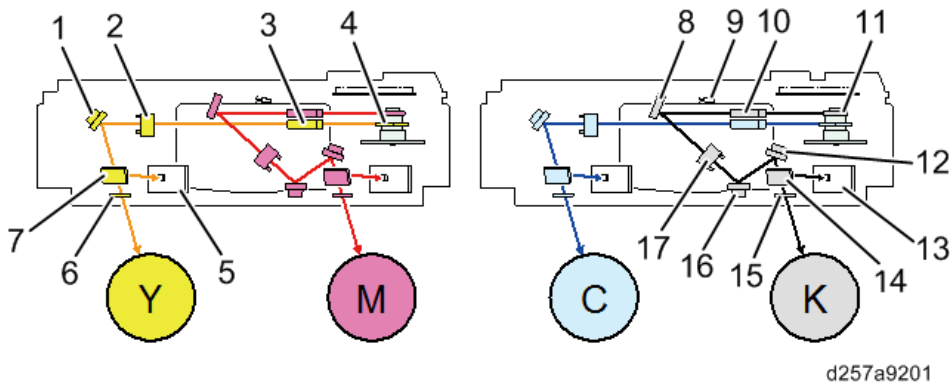
A	Anti-condensation heater
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Laser Unit

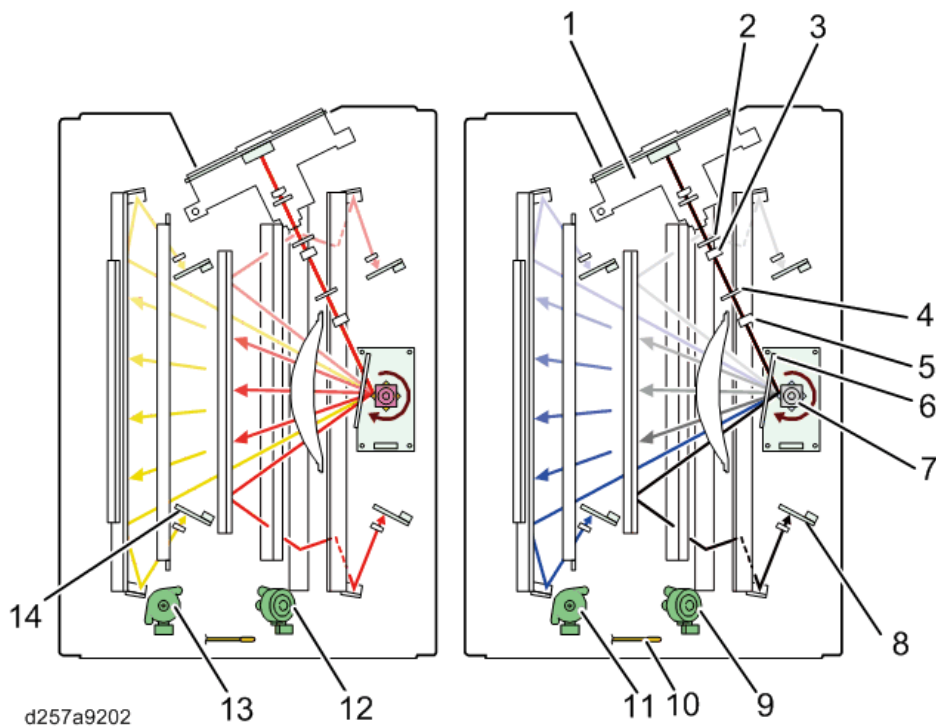
Mechanism Descriptions

This machine has two laser units (right: C, K / left: Y, M). Writing is done with a polygon motor, a LD board, and four synchronization detectors (front / back).

Component Layout



1. 1st Mirror (Y)
2. Scan Lens L2 (Y)
3. Scan Lens L1 (Y)
4. Polygon Motor
5. Laser Synchronization Detector (Y) [Rear edge]
6. Dust Shield Glass
7. Laser Synchronization Mirror (Rear edge)
8. 1st Mirror (K)
9. Thermistor
10. Scan Lens L1 (K)
11. Polygon Mirror
12. 3rd Mirror (K)
13. Laser Synchronization Detector (K) [Front Edge]
14. Laser Synchronization Mirror (Front Edge)
15. Dust Shield Glass
16. 2nd Mirror (K)
17. Scan Lens L2 (K)



1. LD Board
2. ND Filter
3. PBS
4. Quarter Wave Plate
5. Cylindrical Lens
6. Soundproof Glass
7. Polygon Mirror
8. Laser Synchronization Detector (K) [Front edge]
9. Skew Correction Motor (K)
10. Thermistor
11. Skew Correction Motor (C)
12. Skew Correction Motor (M)
13. Skew Correction Motor (Y)
14. Laser Synchronization Detector (Y) [Rear edge]

Mechanism Details

LD Unit Components

The VCSEL (Vertical Cavity Surface Emitting Laser) method is adopted in this machine, as in the ProC751 series, but the components are different.

In the ProC751 series, there are VCSELs for each color and hexagonal polygon mirrors. But this machine has two VCSELs (one for K/C and one for M/Y) [B] and two four-sided double-layered polygon mirrors [A].

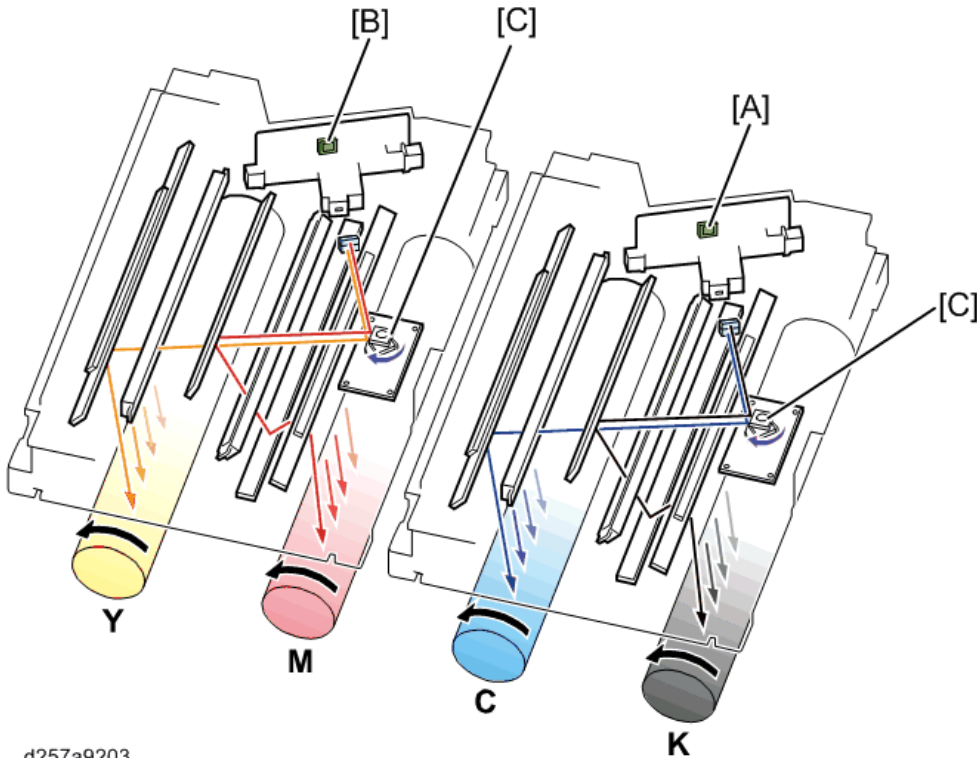
This machine uses VCSEL technology as ProC751 does, and realizes a high image quality (approx. 4800dpi x

7.Detailed Descriptions

4800dpi). But the components and the control method are different from those of the ProC751.

The polygon mirrors [C] of this machine are smaller than those of the ProC751 series. But this machine realizes not only the same image quality as the ProC751 series, but also a cost reduction because only two VCSELs are enough.

There is no shutter in the laser unit for K and C, unlike the previous models in this series (MP C6502/C8002, Pro C5100S/C5110S).



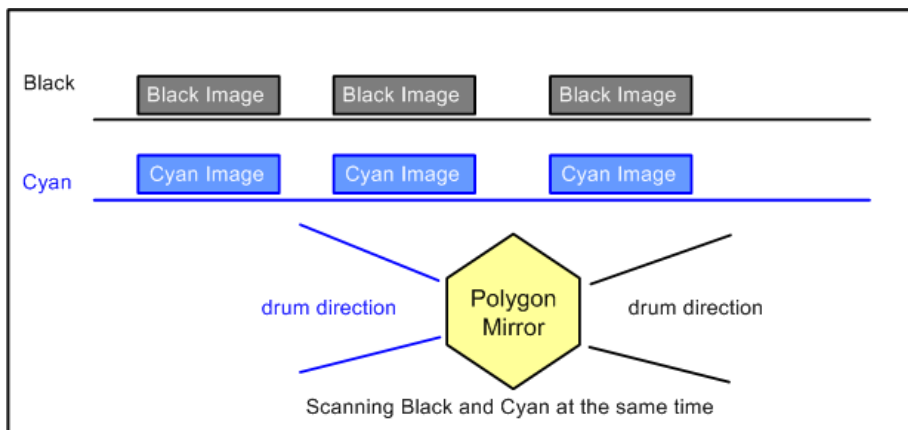
Writing Control Method Difference

In the ProC751EX, each VCSEL emits a beam for one color. While in this machine, with the PBS, one VCSEL can emit a beam for two colors.

In this machine, VCSEL emits beams alternately ($K > C > K > C$). A beam from VCSEL is divided into two beams with the PBS. One of the beams is used for K and heads to the upper polygon mirror; the other beam is used for C and heads to the lower polygon mirror. When the K beam heads to the drum, the C beam does not head to the drum because there are differences in reflective-surface directions between the upper polygon mirror and the lower polygon mirror. Likewise, the K beam doesn't head to the drum when the C beam heads to the drum. In the ProC751EX, each color has a separate VCSEL unit, but each polygon mirror handles two colors. Beams arriving at one side of the mirror are sent to one PCU, and the beams arriving at the other side of the mirror are sent to another PCU.

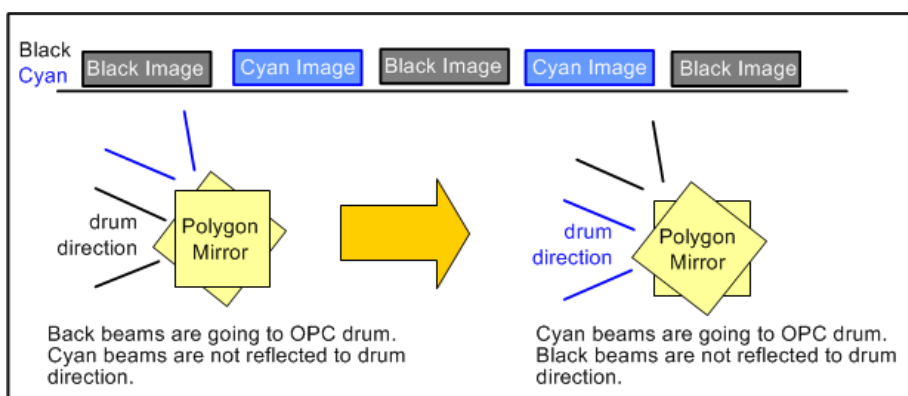
In this machine, each VCSEL unit handles two colors. Instead of just one polygon mirror for two colors, there is a stack of two mirrors (one mirror for each color). The PBS just after the exit from the VCSEL unit sends some beams to the top mirror and some to the bottom one.

Pro C751EX



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Pro C5200S/C5210S, MP C6503/C8003



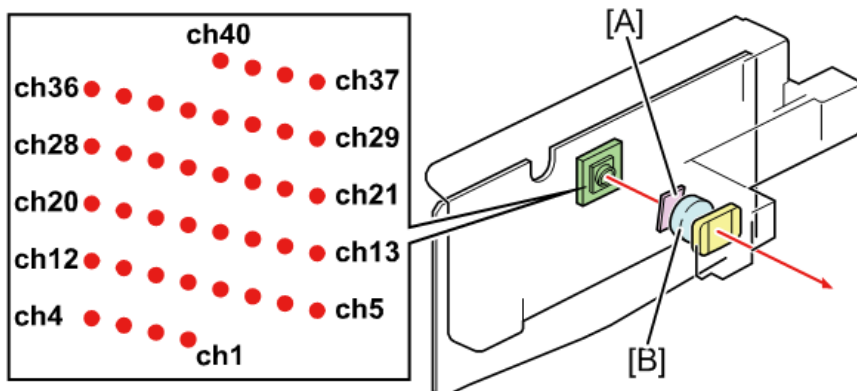
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The emitter generates 40 beams (ch1 to ch40).

In a VCSEL package, a photo sensor detects the laser output. Laser beams heading to the polygon motor pass through the emitter surface, the quarter wave plate [A] and the collimating lens [B]. And then the laser is emitted to the drum in a vertical array of lines.

The VCSEL method contributes to reducing the polygon motor speed, curbing heat emission significantly, and energy saving.

VCSEL: Vertical Cavity Surface Emitting Laser



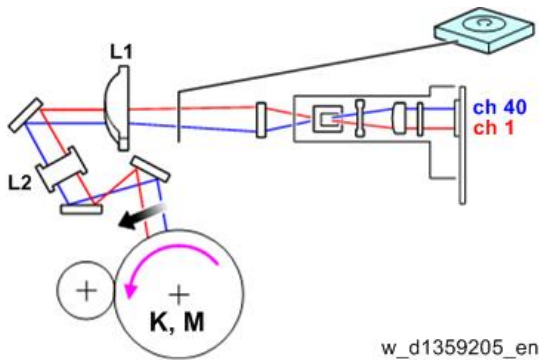
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Writing with 40 Beams

The VCSEL method has the following merits:

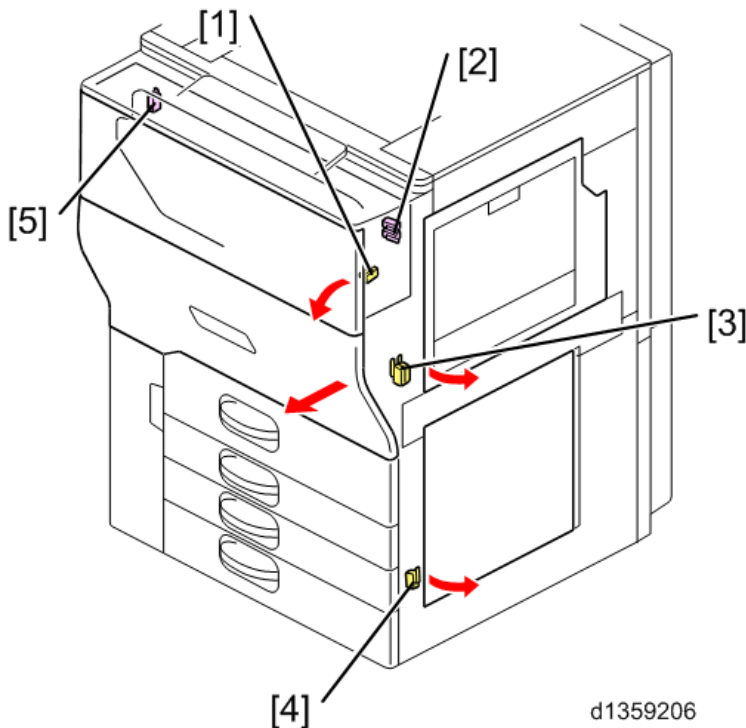
7.Detailed Descriptions

- Low current threshold / Low energy consumption
- High resolution for vertical writing (4800dpi)
- Polygon motor speed reduction (temperature reduction) / noise reduction, because 40 beams are writing



LD Safety Switch

The following diagram shows the LD safety switches.

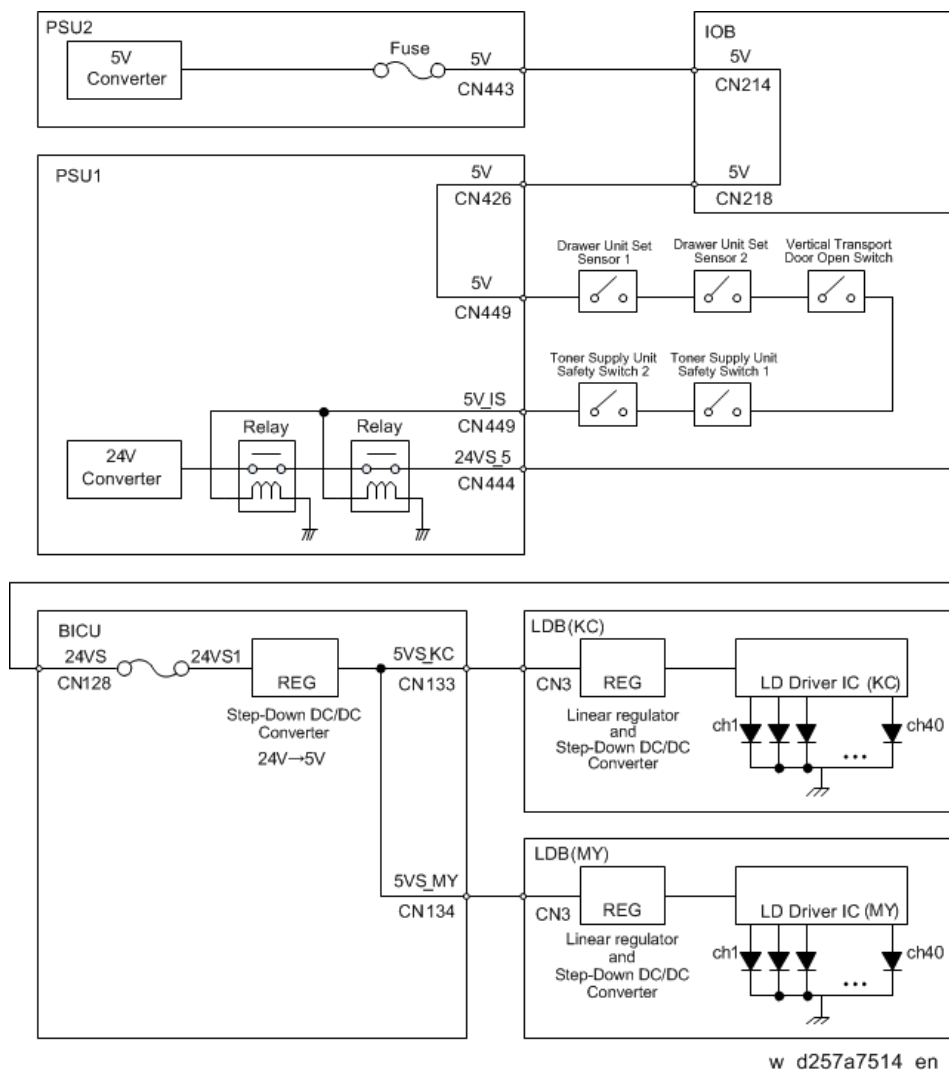


1	Toner Supply Unit Front Cover Switch	4	Vertical Transport Door Set Switch
2	Toner Supply Unit Safety Switch 1/2 (Pro C5200S/C5210S only)	5	Faceplate Set Sensor (Pro C5200S/C5210S only)
3	Drawer Set Sensor 1/2		

The LD safety switches prevent laser beams from being emitted when any of the following parts are open or not installed: bypass tray unit, vertical transport door, drawer unit cover, toner supply unit front cover, toner supply unit (Pro C5200S/C5210S only).

The LD safety switches are installed on the 5V line that connects the PSU to the LD. To prevent the LD from emitting, the power supply to the LD is cut when any of the parts described above are open or not installed.

LD Safety Switches



Line Scan

- **Mirror / Lens**

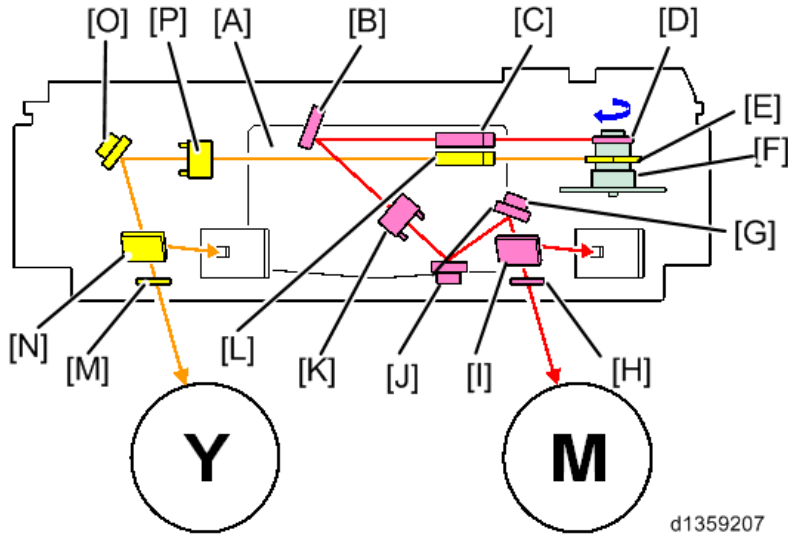
Each color LD board [A] emits light at the time of paper transfer, which heads to each color drum through the following parts; the cylinder lens (laser beam radial-adjustment), the polygon mirror (horizontal-line scan) [D], the scan lens (L1) [C], the 1st mirror [B], the scan lens (L2) [K], 2nd mirror [J], 3rd mirror [G], the laser synchronization mirror [I], the dust shield glass [H].

Lower layer (C, Y) beams go to each color drum through the following parts: the cylinder lens, polygon mirror [E], the scan lens (L1) [L], the scan lens (L2) [P], the 1st mirror [O], the synchronization mirror [N], the dust shield glass [M].

- **Polygon Motor**

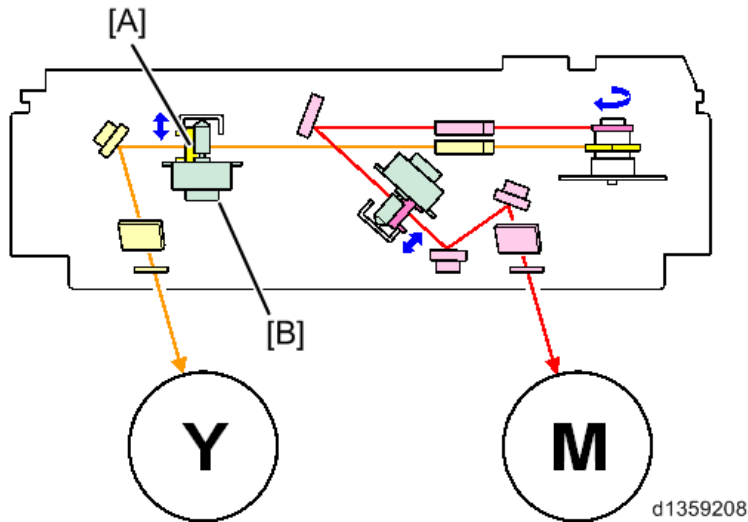
The polygon motor [F] is composed of a motor and two mirrors attached on a drive shaft (four-sided double-layered mirrors). Laser beams are emitted to the polygon mirrors [D], [E] to write two colors alternately.

7.Detailed Descriptions



- **Scan Lens Adjustment**

For each color, the scan lens (L2) [A] has an image skew correction motor [B] to correct skew. This corrects color registration errors in the main scan direction.

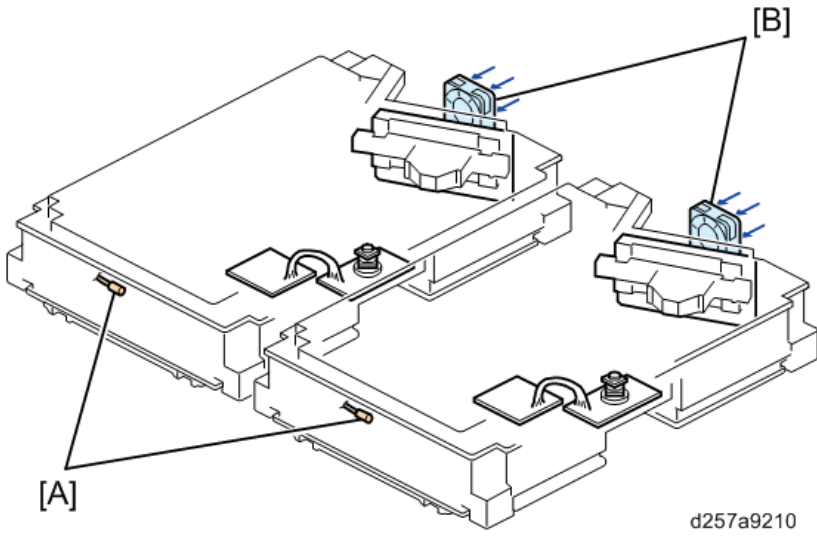


Thermal Control

The laser unit thermistor [A] in each laser unit monitors the temperature of each laser unit constantly. This sensor has the following role:

- Image location adjustment (adjusts the image location in response to changes in the internal temperature).

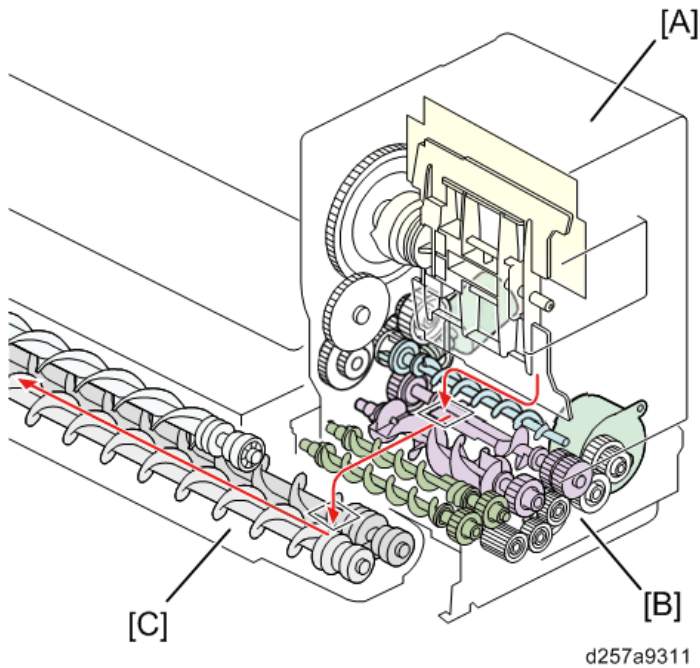
A fan [B] is installed at the back of the LD in order to cool each laser unit.



Toner Supply

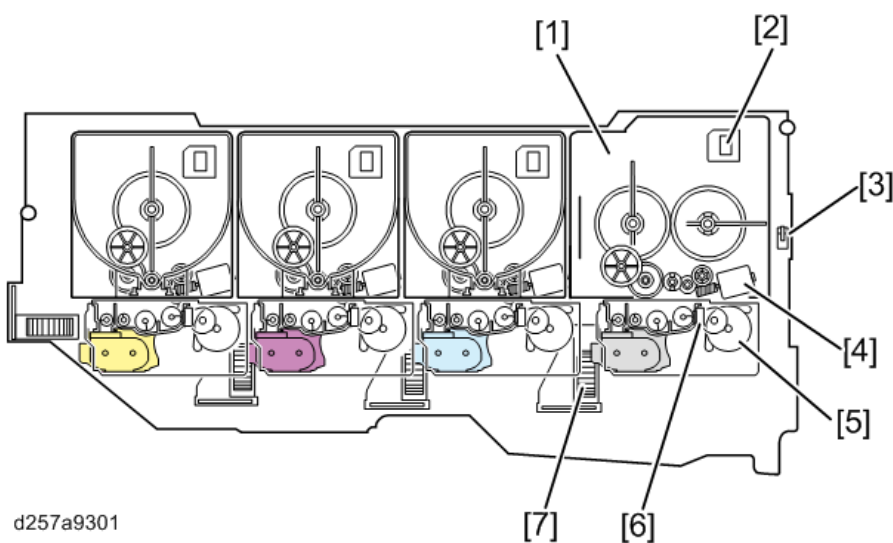
Mechanism Descriptions

The toner in the toner cartridge [A], that is installed in the toner supply unit, is transferred to the sub hopper unit [B]. The toner transferred to the sub hopper unit [B] is provided to the development unit [C] in the required quantity. Then the toner is mixed into the developer, and provided to the surface of the drum.



Component Layout

The diagram below is the MP C6503/C8003



1.	Toner Cartridge	5.	Sub Hopper Motor
2.	ID Chip Connector Board	6.	Toner End Sensor
3.	Toner Supply Unit Front Cover Switch	7.	Development Intake Fan

4.	Toner Supply Motor		
----	--------------------	--	--

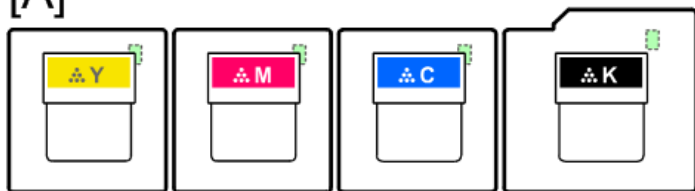
Difference between the MP C6503/C8003 and Pro C5200S/C5210S

One of the differences is the shape of the toner supply units as shown below. The shape of the toner supply units are different because the machine dimensions are different between MP C6503/C8003 and Pro C5200S/C5210S.

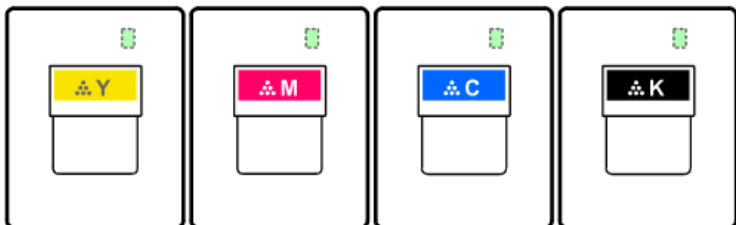
[A]: MP C6503/C8003

[B]: Pro C5200S/C5210S

[A]



[B]



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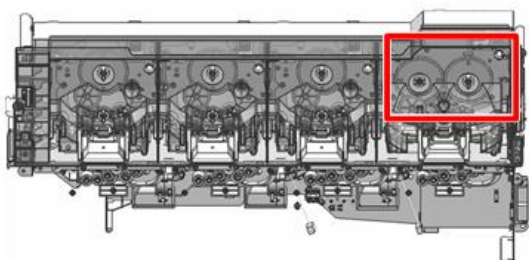
Note: For MP C6503/C8003, the toner supply unit for black is larger because the toner consumption for black is greater than for other colors.

The other difference is the number of the unit's agitators for black. MP C6503/C8003 has two agitators while Pro C5200S/C5210S has one agitator as shown below:

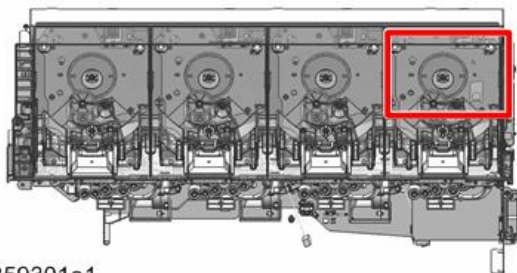
[A]: MP C6503/C8003

[B]: Pro C5200S/C5210S

[A]



[B]

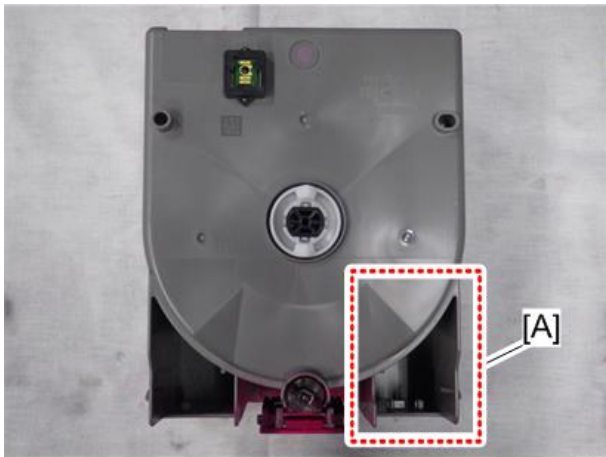


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Bottle Shape to Prevent Incorrect Installation

To prevent placing a bottle in the wrong place, the bottles for each color have a different shape at the rear [A].

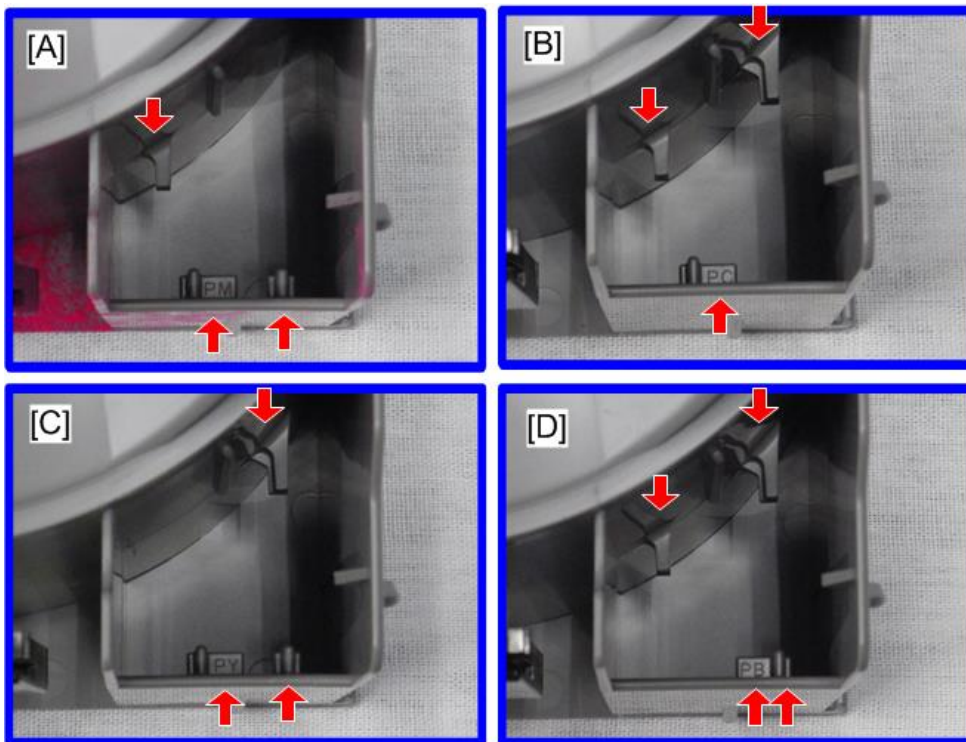
7.Detailed Descriptions



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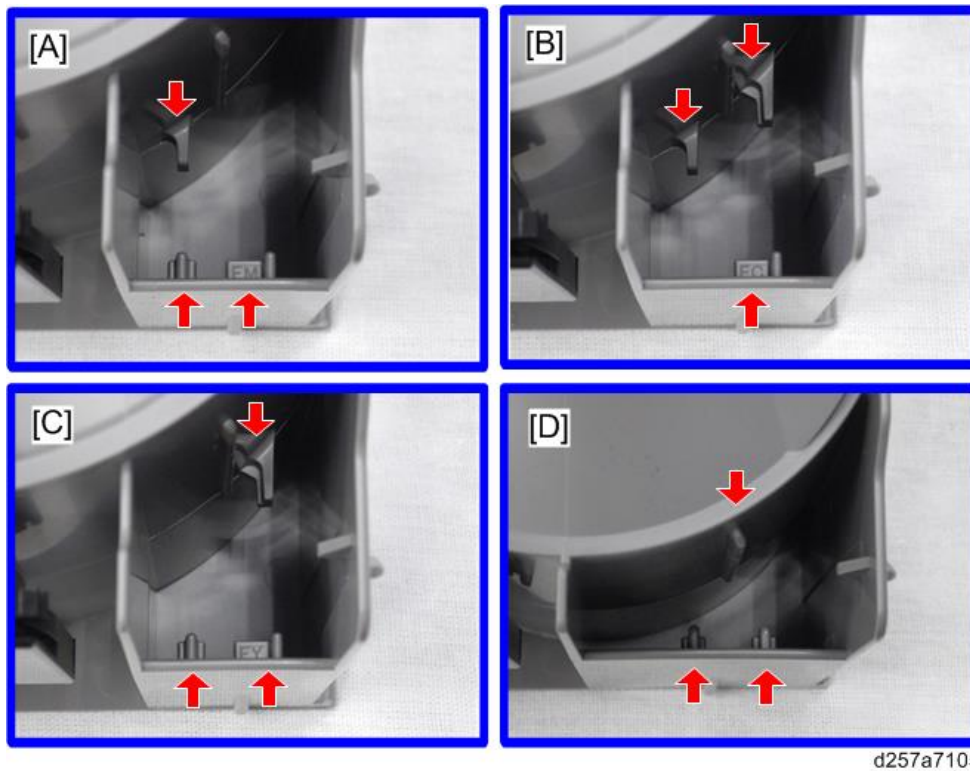
Arrows in the picture below show the differences for each color.

Pro C5200S/C5210S



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MP C6503/C8003



No.	Description	No.	Description
[A]	Magenta	[C]	Yellow
[B]	Cyan	[D]	Black

Mechanism Details

Toner Filling

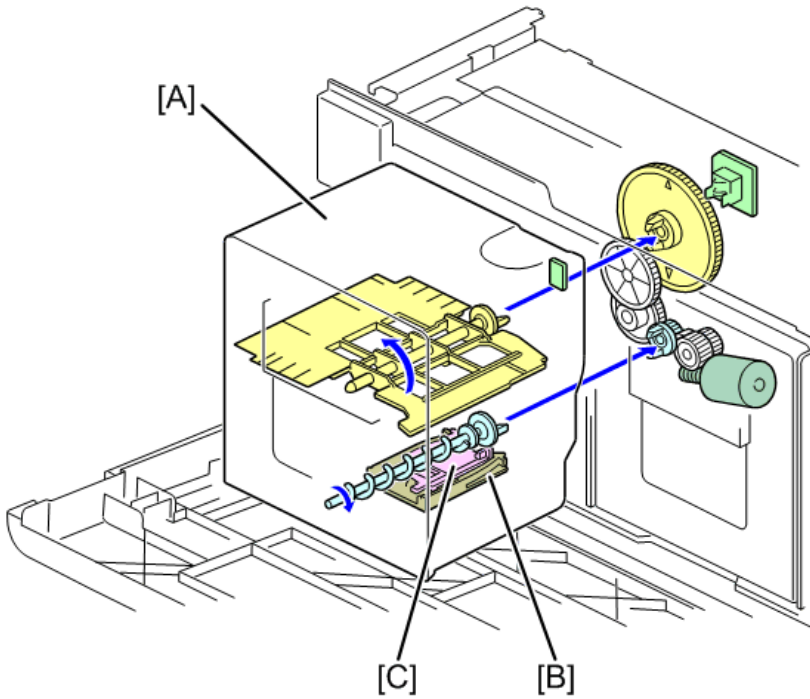
Toner filling means sending toner from the toner cartridge to the sub hopper.

The following pages contain descriptions of the toner filling mechanisms.

Toner Cartridge Drive

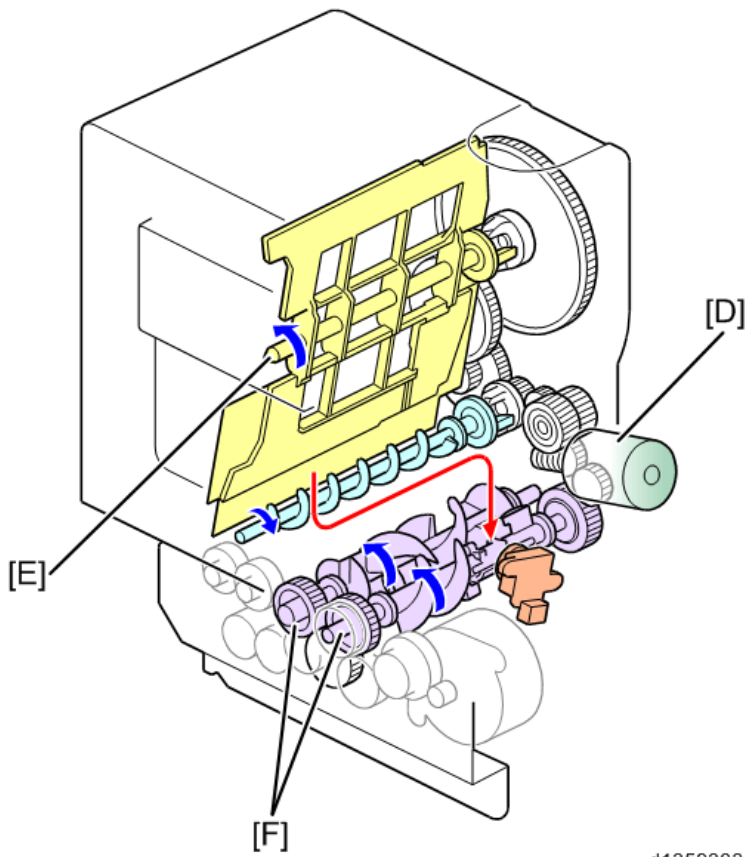
When a toner cartridge [A] is placed, the shutter [C] on the cartridge opens and then the toner transport port [B] also opens. When a toner cartridge [A] is removed, the shutter [C] on the cartridge closes and the toner transport port [B] also closes.

7.Detailed Descriptions



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Each toner cartridge has a toner supply motor [D] that drives the agitator [E] and toner transport coils [F].

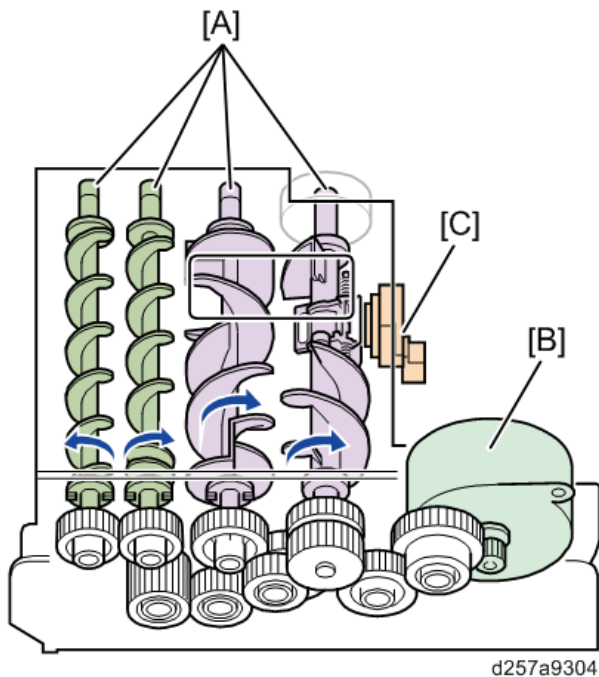


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Sub Hopper

The sub hopper contains 4 transport coils [A] (larger x 2, smaller x 2)

The larger coils agitate toner and the smaller coils transport toner to the downstream part of the sub hopper. The downstream part of the sub hopper is a toner transport path for supplying the development unit with toner. If the toner end sensor [C] in the sub hopper detects a toner shortage in the hopper, the toner cartridge supplies toner to the sub hopper. The 4 transport coils [A] are driven by the sub hopper motor [B] via the gears.



Toner Filling Timing

Toner filling takes place only when the ID chip and the interlock switch turn on.

- Sensor states and toner filling operations when a toner cartridge is replaced -

Bottle Replacement Procedure	ID Chip	Interlock	Supply Operation
Toner cartridge is placed	ON	ON	Driven
Toner cartridge replacement starts	ON	OFF	Not driven
After toner cartridge is removed (No toner cartridge is placed)	OFF	OFF	Not driven
During a toner cartridge replacement	OFF -->ON	OFF	Not driven
Replacement is completed	ON	ON	Driven

Toner Supply

Toner supply means sending toner from the sub hopper to the development unit.

Here are explanations about toner supply mechanisms.

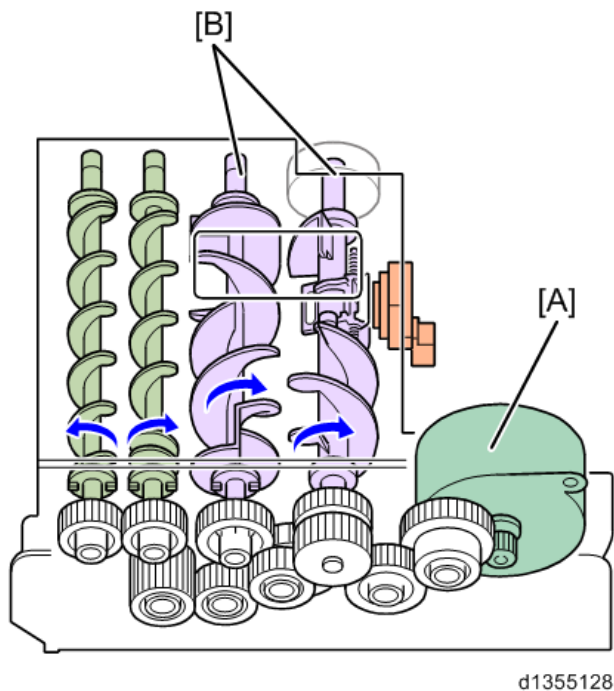
Sub Hopper Drive

For each color, the sub hopper motor (stepping motor) [A] controls toner supply to the development unit. When

7.Detailed Descriptions

the TD sensor in the development unit detects that toner is needed, the sub hopper motor turns on.

The two larger coils [B] drive and agitate toner that arrives from the toner cartridge.



Toner Transport / Supply

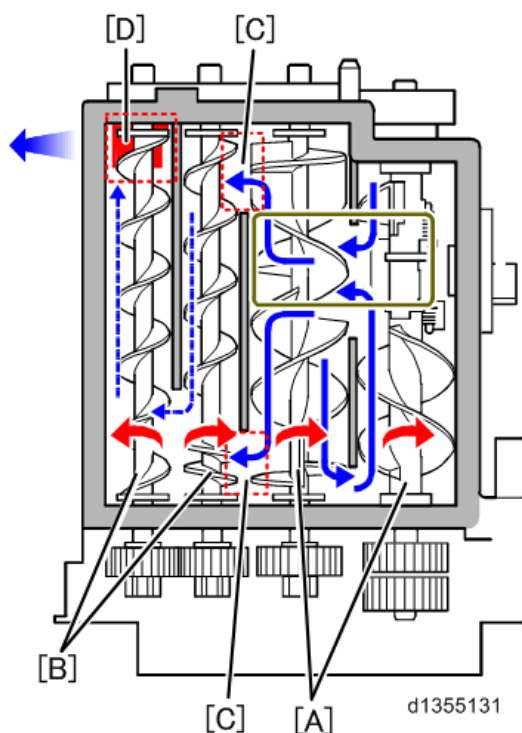
There are four transport coils in the sub hopper.

Toner from the toner cartridge is sent to the large transport coils [A] that agitate toner. Between the large transport coils [A] and small transport coils [B], there is an open port [C] from which toner moves to the small transport coils.

The small transport coils [B] do not agitate toner but send it to the development unit through the supply port [D] for the development unit.

The large transport coils and the small transport coils differ in their blade pitch. The large transport coils [A] have a larger pitch to agitate toner easily. The small transport coils [B] have a smaller pitch so as not to supply too much toner at one time; this also means that even when the toner end sensor detects toner end, there is more toner held in the bottom of the sub hopper than if the coils were larger. This means that even when the toner cartridge becomes empty, toner auto-supply from the sub hopper continues, and you can replace a toner cartridge even during operation, which leads to reduced downtime.

400 sheets (A4/5% chart) can be printed after near-end.



Toner End / Near-end Control

There are four remaining-toner states in this machine. This is almost the same as for the ProC751EX series.

Remaining-toner State	Descriptions
1. Sufficient Toner	Sufficient toner exists in the toner cartridge. The amount is estimated from the pixel count executed during the cartridge life.
2. Pre Toner Near-end	When the amount of toner estimated from the pixel count drops to a certain value (SP3110-011 to 014; Default = 10), the machine warns the user that the toner cartridge will be empty soon and a new one should be prepared. This function can be disabled with SP3-110-001. The default is '0: On'. This function enables an earlier notification before replacement is needed. "Toner runs out soon. Prepare a toner bottle for replacement." will be shown as a banner message.
3. Toner Near-end	The toner end sensor could not detect toner arriving from the toner cartridge. Remaining toner (%) in the bottle is zero. But there is toner in the sub-hopper. 400 sheets (A4/5% chart) can be printed with this toner after toner near end occurs. Toner remains only in the sub hopper. "The toner cartridge is empty. The machine will soon stop printing. Replace toner cartridge" is displayed as a banner message. You can replace the cartridge while the machine is operating.
4. Toner End	Either 400 sheets was printed since toner near-end, or the estimated pixel count indicates toner end, whichever comes first.

7.Detailed Descriptions

Remaining- toner State	Descriptions
	The machine stops and tells the user to replace the cartridge.

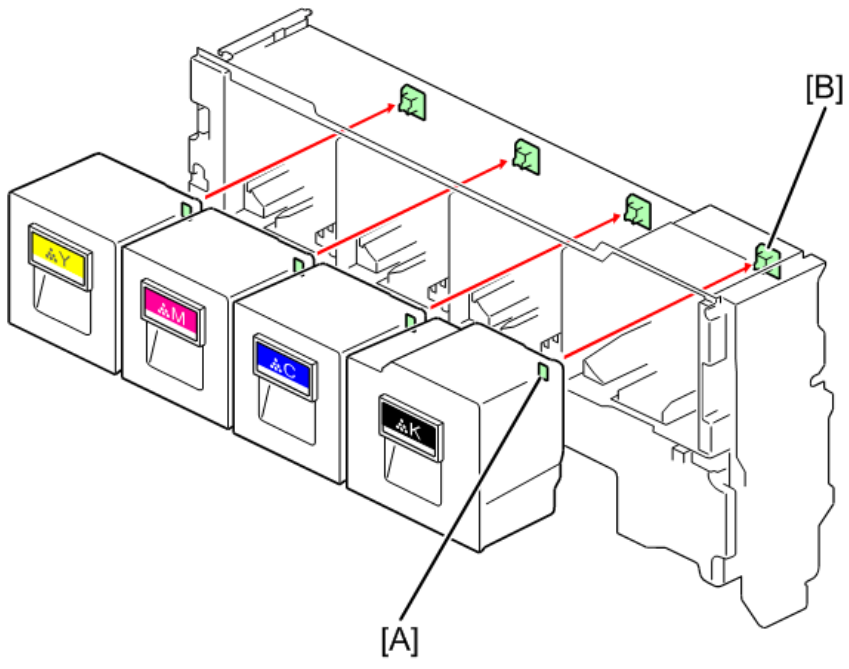
Here is a flow diagram of the toner end / near-end states, with explanations.

	Flow Diagram	Remarks
1. Toner Full		
2. Pre Toner Near-end	<pre> graph TD Start([START]) --> Process1[Print-image amount / toner consumption suggests the remaining amount (%) of toner] Process1 --> Decision1{Remaining toner(%) < Threshold} Decision1 --> Process2[The state of toner amount changes to [Pre Toner Near-end]] Process2 --> End1([END]) </pre>	Prerequisite: Toner full Switch enabled/disabled In SP3110-001 [0:ON / 1:OFF] Set the threshold in SP3110-011~014 [Default: 10%]
3. Toner Near-end	<pre> graph TD Start([Start]) --> Decision1{The toner end sensor detects a no full state of the sub hopper.} Decision1 -- No --> Process1[Toner supply to the sub hopper] Process1 --> Decision1 Decision1 -- Yes --> Process2[No full state is counted] Process2 --> Decision2{No full state times > Threshold} Decision2 -- Yes --> Process3[The state of toner amount changes to [Toner Near-end]] Process3 --> End1([End]) Decision2 -- No --> Process1 </pre>	Prerequisite: Toner full / Pre toner near-end The toner end sensor monitors the sub hopper but not the toner cartridge. The threshold for consecutive “Toner run out” detections is 41 (SP3120-001)
4. Toner End	<pre> graph TD Start([Start]) --> Process1[Check the counters for pages / printing-image] Process1 --> Decision1{Value of either counter > threshold} Decision1 --> Process2[The state of toner amount changes to [Toner End]] Process2 --> End1([End]) </pre>	Prerequisite: Toner Near-end Either 400 sheets was printed since toner near-end, or the estimated pixel count indicates toner end, whichever comes first.

Toner Cartridge Information Storage, Toner Cartridge Lock Detection

The toner cartridge has an ID chip [A] in which toner cartridge information is stored. ID chip information is read at the terminal (ID chip connector board) [B].

The ID chip helps to detect the toner cartridge placement. ID chip information includes the amount of toner filling, which is used to control toner end detection. The information also includes which factory produced the toner, toner type, and toner color.



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Drawer Unit

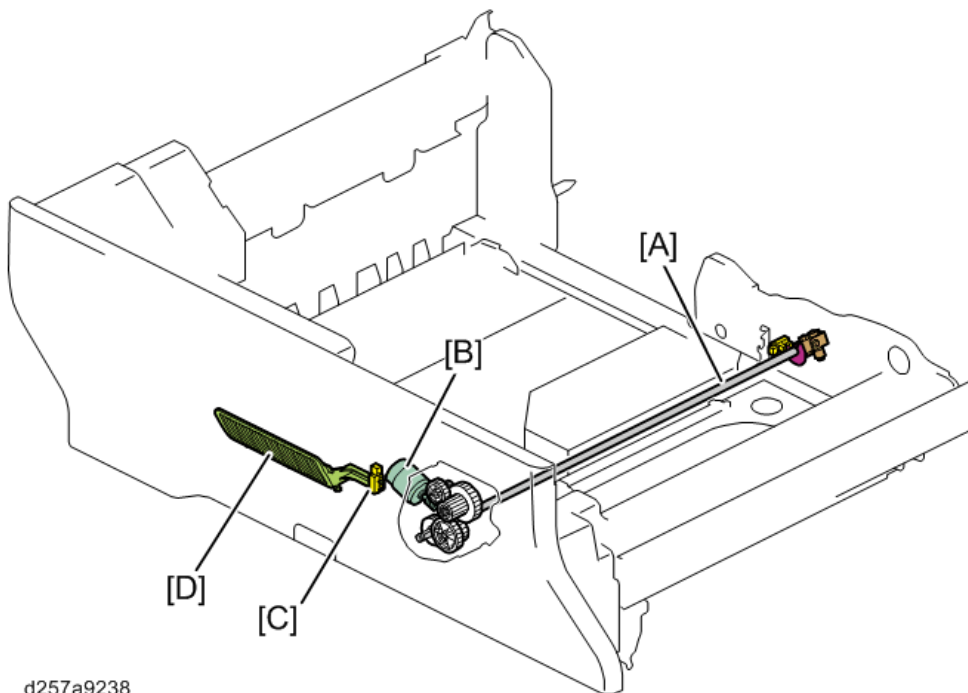
Mechanism Descriptions

The registration unit, the paper transfer belt unit, and the fusing unit are installed in the drawer unit.

This machine does not have a front cover like other series of machines have. To access the inner units of this machine, you must insert your hand into the flapper to pull the drawer unit out.

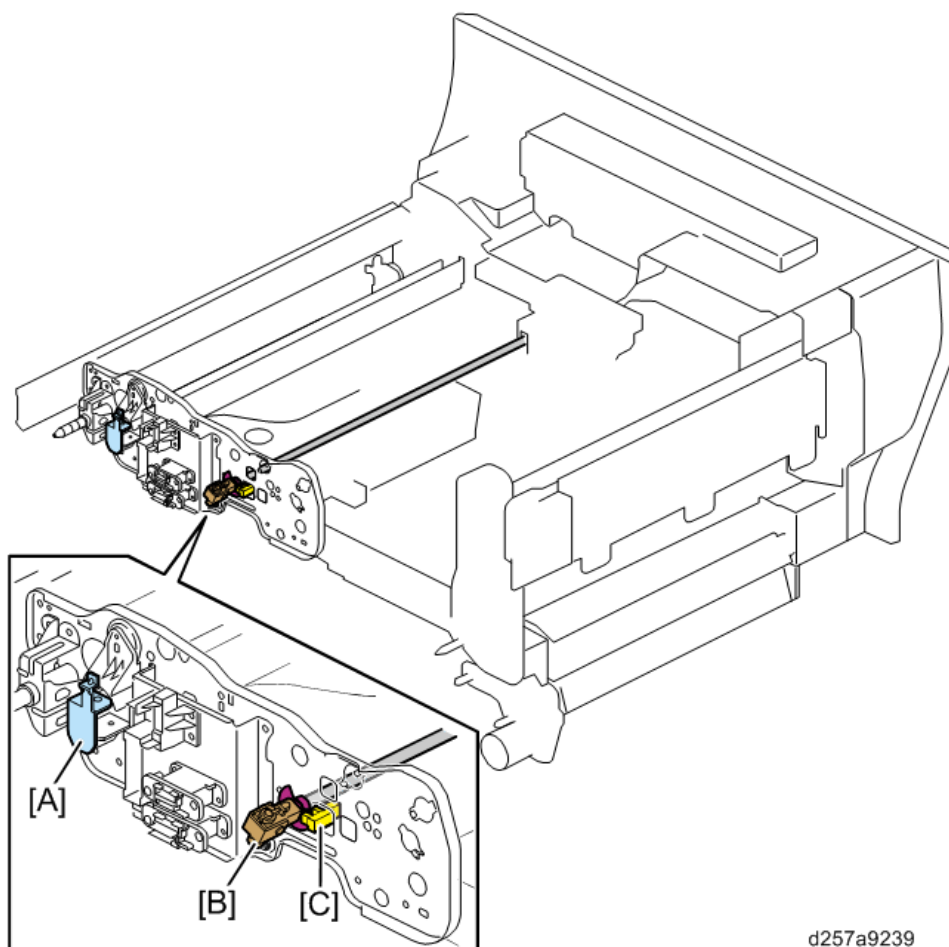
This machine has a lock mechanism that prevents paper from ripping when the drawer unit is pulled out.

Component Layout



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	Name
A	Drawer Unit Lock Shaft
B	Drawer Unit Lock Motor
C	Drawer Unit Flapper Sensor
D	Drawer Unit Flapper



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	Name
A	Curled Cord Guide
B	Drawer Unit Lock Shaft (End)
C	Drawer Unit Lock Sensor

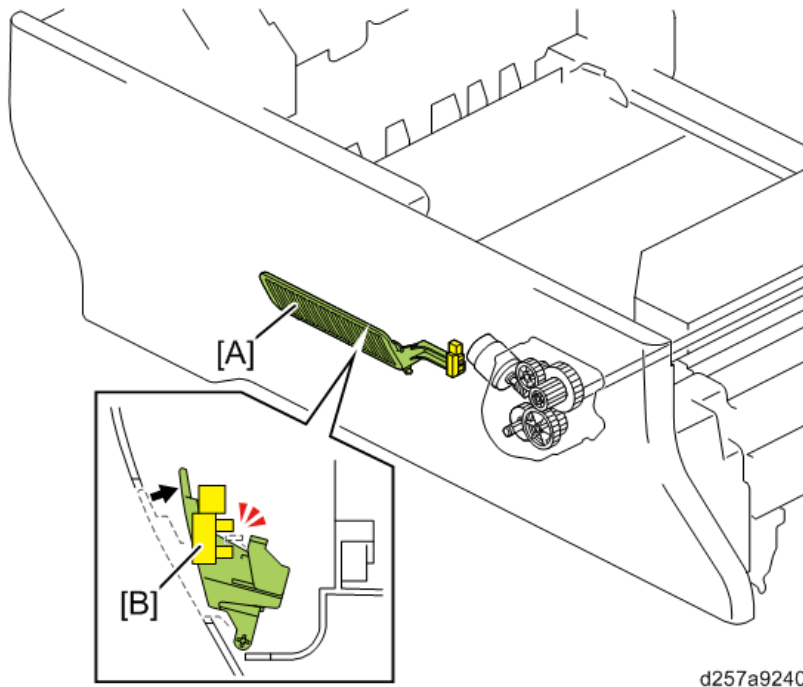
Mechanism Details

Lock Mechanism

This machine controls the drawer unit lock automatically. It also allows the locked drawer unit to open when it is necessary, in order to let users open doors in the correct order, to remove jammed paper without tearing it. The drawer unit lock motor also controls the paper transfer belt release mechanism, so that the paper transfer belt is always released when the drawer unit is ready to be opened.

When is the lock released?

- When the drawer unit flapper [A] is pushed in and the drawer unit flapper sensor [B] detects it.



- When a jam has occurred and the LED on the drawer unit blinks.
- When the main power is OFF.
- When a cover is open.

Note

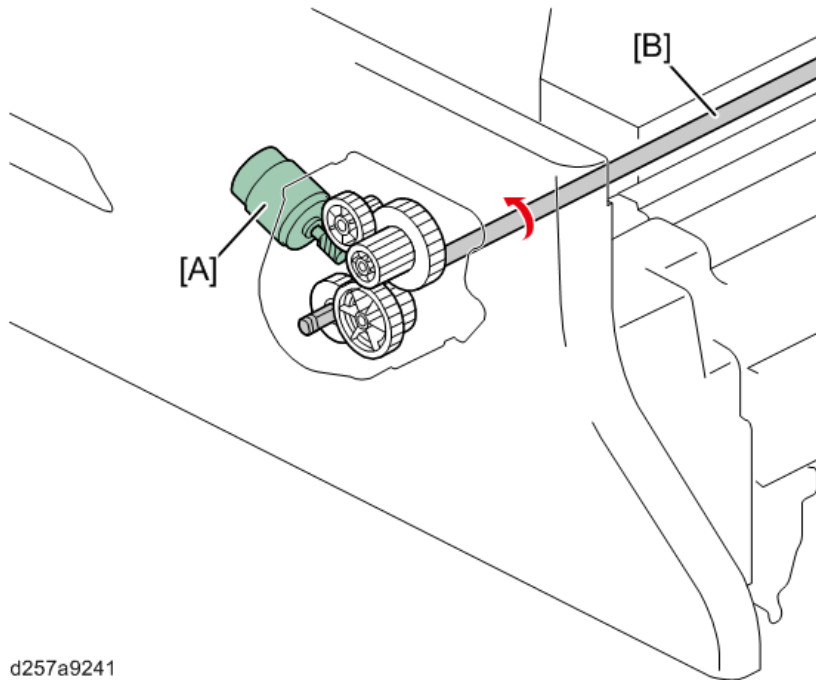
Even if a condition described above is met, the lock is not released when the machine is in sleep mode. If you want to release the lock, you must make the machine return from sleep mode by doing the following operation.

- Pro C5200S/C5210S: Press the [Energy Saver] key.
- MP C6503/C8003: Touch the operation panel screen.

The LED on the drawer unit blinks when the drawer unit can be pulled out without ripping jammed paper.

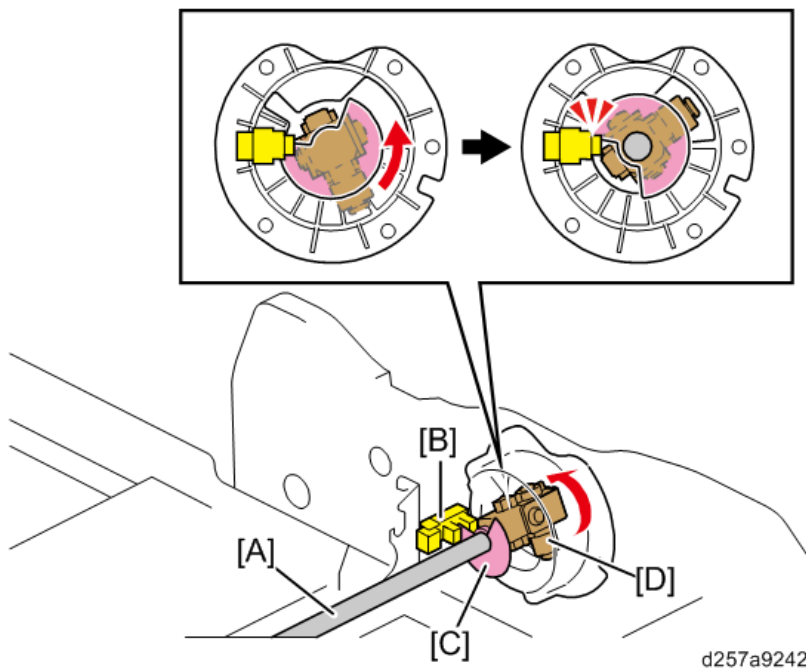
Lock Release Operation

1. The drawer unit lock motor [A] rotates the drawer unit lock shaft [B].



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2. The drawer unit lock shaft [A] rotates counterclockwise.
3. When the drawer unit lock sensor [B] detects the edge of the actuator [C] attached to the drawer unit lock shaft, the drawer unit lock motor stops. The end of the drawer unit lock shaft comes off the holder completely. The lock is released.



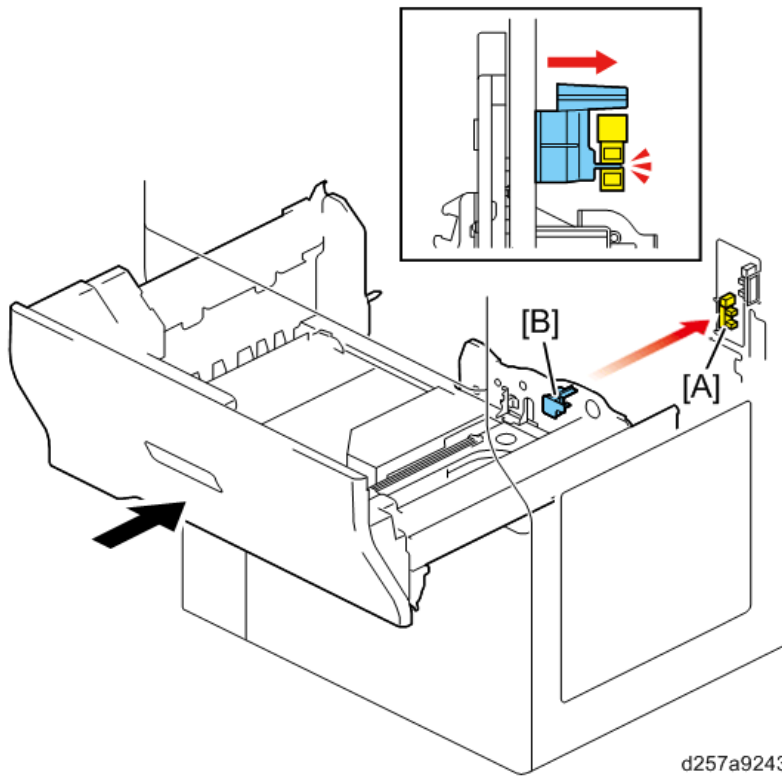
d257a9242

Lock Operation

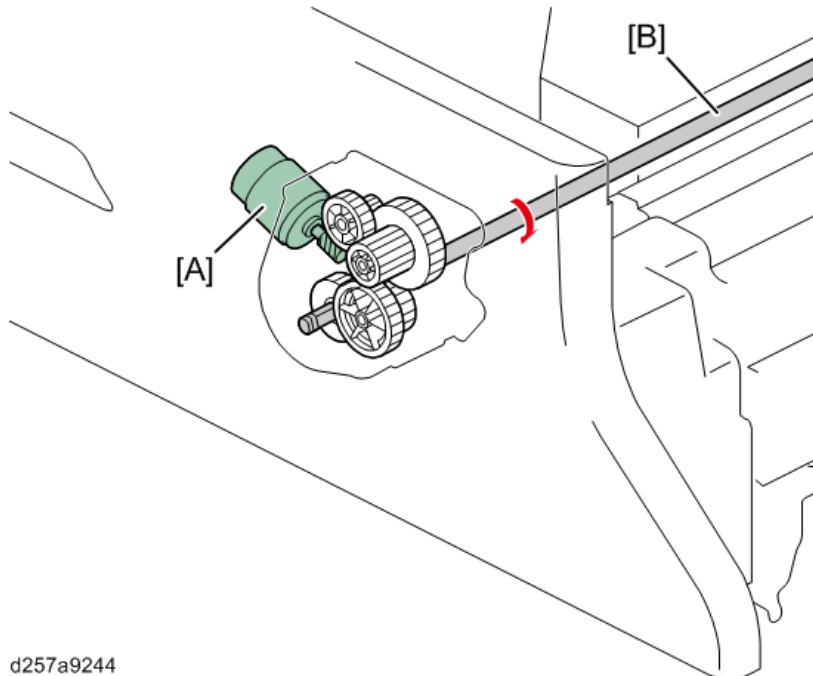
1. The drawer unit is pushed in completely.

7. Detailed Descriptions

2. The drawer set sensor 1 [A] detects the tab [B] on the rear of the drawer unit.

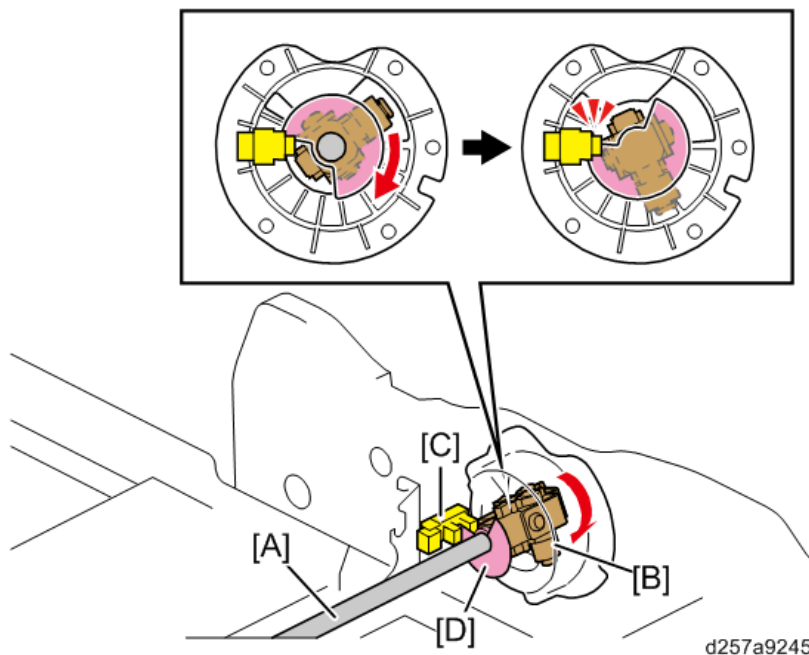


3. The drawer unit lock motor [A] turns on and the drawer unit lock shaft [B] rotates.



4. The drawer unit lock shaft [A] starts to rotate clockwise from the lock release position.

5. When the drawer unit lock sensor [C] detects the edge of the actuator [D], the drawer unit lock motor stops. The end of drawer unit lock shaft [B] is held by the holder. The drawer unit is locked.

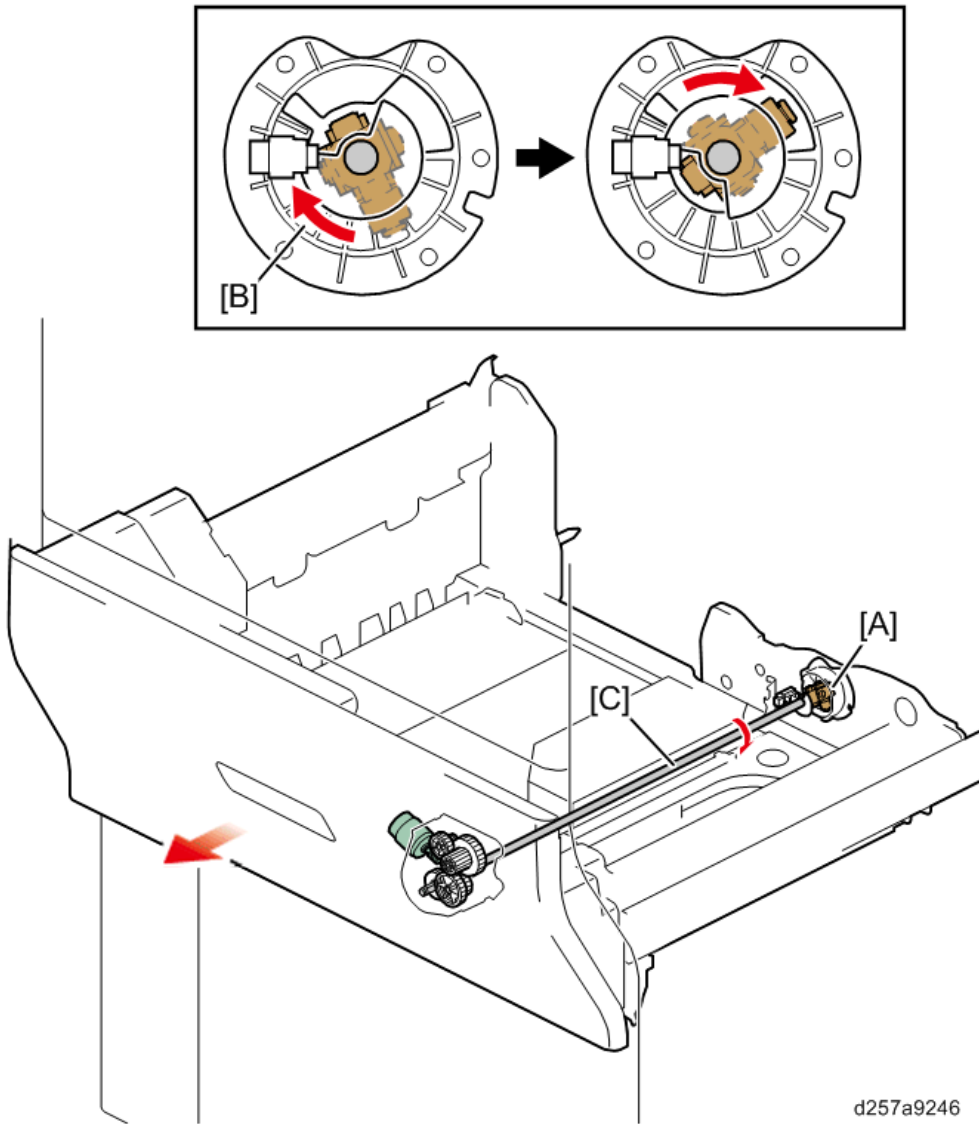


Drawer Unit Push Mechanism

When a paper jam occurs, the drawer unit is locked to prevent jammed paper from being ripped. The lock is released and the drawer unit can be pulled out after the paper sticking out from the drawer unit is removed. Also, only in the case of a paper jam, the drawer unit is pushed out 10 mm from the machine and the drawer unit LED blinks when the lock is released. The drawer unit push mechanism is done by changing the direction of drawer unit lock shaft rotation.

The holder [B] which locks the end of the drawer unit lock shaft [A] is sloped.

When the drawer unit lock shaft [C] rotates clockwise from the lock position (the end of the drawer unit lock shaft [A] is held by the holder), it climbs up the slope. Then it is released from the holder and the drawer unit is pushed out from the machine.

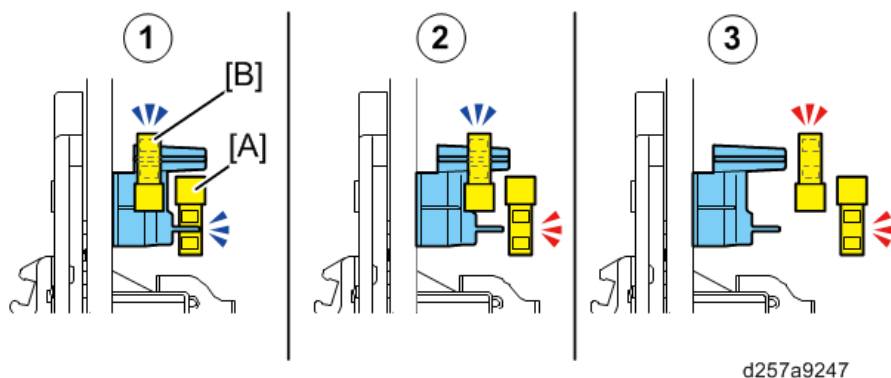


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Drawer Unit Set Detection Mechanism

The set condition of the drawer unit is detected by the drawer set sensor 1 [A] and the drawer set sensor 2 [B]. The set condition is detected when the actuator blocks the light.

The drawer set sensor 2 [B] detects when the drawer unit is pulled out completely. This is used to control the jam animation when there is jammed paper. The actuator of drawer set sensor 2 [B] is longer than that of drawer set sensor 1 [A]. The combination of signals from these sensors determines the condition of the drawer unit (locked/half open/fully open).



The condition of the drawer unit is determined as follows.

No.	Drawer set sensor 1 [A]	Drawer set sensor 2 [B]	Condition of the drawer unit
1	Blocked	Blocked	Locked (The drawer unit is pushed in completely.)
2	Not blocked	Blocked	Half open (The drawer unit has been pushed out by the drawer unit push mechanism.)
3	Not blocked	Not blocked	Fully open (The drawer unit is pulled out completely.)

Drawer Unit State List

There are two states of the drawer unit. The state of the unit varies depending on the machine state.

1. Not Withdrawable

Machine State	Remarks
Output	Including application output / fax output at night
Correcting, or Self-adjusting	Warming-up, Process Control, MUSIC, Toner Recovery, Web Cleaning
Sleep mode	The machine is in sleep mode and the operation panel display is off. The drawer unit can be withdrawn after returning from sleep mode
Forced Power off	Forced shutdown due to blackout / disconnection, or pressing and holding the power button Reboot allows you to withdraw the drawer unit
SC Issued	SC670 / SC672 occurs
*Straddling Jam	The drawer unit can be withdrawn after jammed paper is removed from vertical transport / bypass tray unit / purge unit.
Defective Drawer Unit Lock-related Parts	Cannot release the drawer unit lock correctly. SC525 occurs due to a problem with the drawer unit lock motor. To solve this problem, you need to remove some covers and the drawer unit lock motor to release the lock manually. (For details, see If the Drawer is Locked)

* In the case of a jam (such as the jams listed below) that straddles the drawer unit and another unit, jammed

7.Detailed Descriptions

paper will be torn if you pull out the drawer unit, and torn paper may remain in the machine.

- Jam between the bypass tray unit and the registration unit
- Jam between the relay unit and the vertical transport
- Jam between the paper exit section and the purge unit

So in this machine, the drawer unit is locked when a straddling jam occurs.

By following the directions on the display, the drawer unit can be withdrawn after you remove jammed paper from the vertical transport / the bypass tray unit / the purge unit.

2. Withdrawable

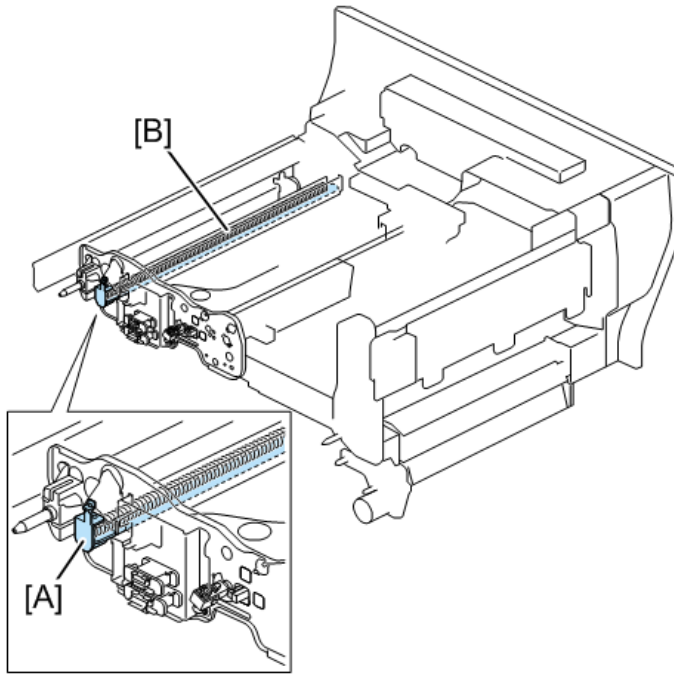
- When the drawer unit becomes withdrawable after you put your hand into the drawer unit handle:
The release operation of the drawer unit lock starts when you put your hand into the drawer unit handle. The drawer unit becomes withdrawable 8 seconds after you put your hand into the drawer unit handle, and then the message is displayed on the operation panel.

Machine State		Remarks
Ready	Low Power Mode	
Door or Cover Open	Cover or door opens	Any of the following opens: Upper Front Cover, Purge Door, Paper Feed Tray
Downtime	<ul style="list-style-type: none"> • SC other than those listed below occurs: <ul style="list-style-type: none"> • SC670 • SC672 • SC525 • When the waste toner bottle is full, for replacement of the toner bottle 	
Low Power	Energy Saving Mode	

- When the drawer unit is withdrawable immediately:
 - In cases that apply to neither “1. Not Withdrawable” nor “2. Withdrawable: When the waste toner bottle is full, for replacement of the toner bottle” mentioned above.
 - When SP1-040-001 is executed.

Electrical Supply

The curled cord [B] supplies electrical power (5V, 24V) to the drawer unit. The curled cord guide [A] holds the curled cord [B], which expands and contracts when the drawer unit is pulled out and pushed in.



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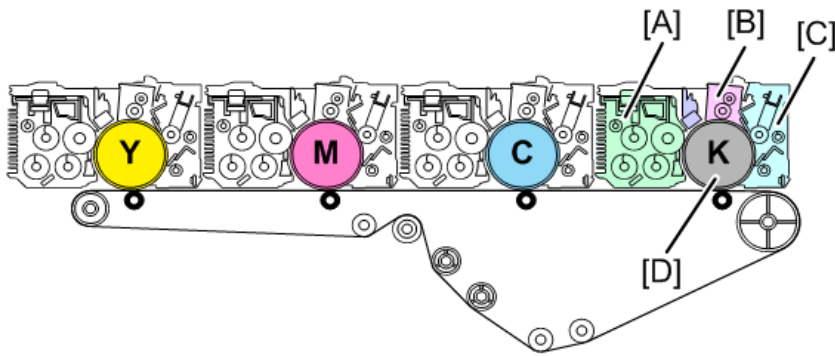
PCDU

Mechanism Descriptions

This machine uses four photoconductor units (PCDUs) in tandem (one PCDU for each color YMCK).

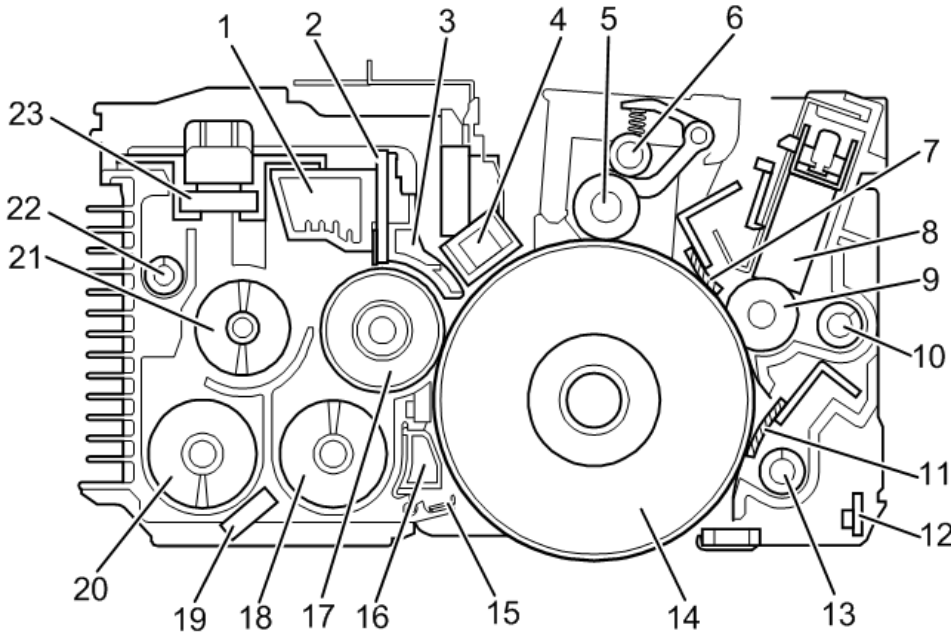
The PCDU is composed of the drum unit [D], the development unit [A], the drum cleaning unit [C], and the charge roller unit [B]. Each color PCDU can be drawn out of the machine.

In MP C6503/C8003, the parts in each color PCDU are exactly the same (a drum unit [D], a development unit [A], a drum cleaning unit [C], and a charge roller unit [B]) in order to minimize the cost of parts. In Pro C5200S/C5210S, the parts in the development unit [A] for K are different from the parts for YMC.



d1359401

Component Layout



d257a9402

1	Heat Sink	13	Primary Toner Collection Coil
2	Doctor Blade	14	Drum
3	Entrance Seal	15	Toner Catcher
4	Potential Sensor	16	Spill Duct
5	Charge Roller	17	Development Roller

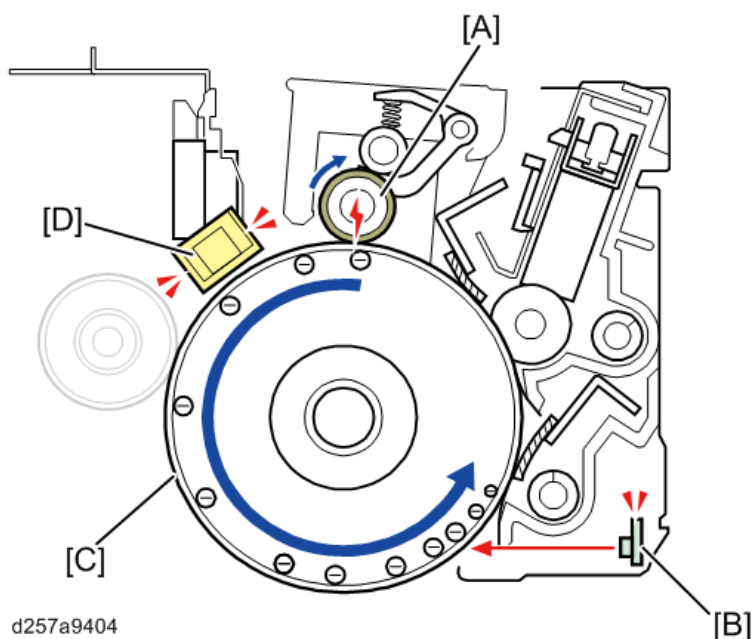
6	Charge Roller Cleaning Roller	18	Right Transport Auger
7	Lubricant Blade	19	TD Sensor
8	Lubricant Bar	20	Left Transport Auger
9	Lubricant Brush Roller	21	Upper Transport Auger
10	Secondary Toner Collection Coil	22	Developer Collection Coil
11	Drum Cleaning Blade	23	Development Filter
12	Quenching Lamp		

Mechanism Details

Charge

Charge, Discharge

The charge roller [A] evenly charges the drum for each color. The potential sensor [D] measures the charge on the surface of the drum. After transfer and before cleaning, LED emission from the quenching lamp [B] discharges the surface of the drum [C].



Charge Roller / Cleaning Roller

The charge roller [B] applies charge to the drum. The charge roller [B] is separated slightly from the drum surface and rotates in the opposite direction to the drum. The combined high-voltage power supply board supplies the charge roller shaft with the charge that is applied to the drum.

Uneven charge can occur if the charge roller [B] is dirty. The charge roller cleaning roller [A] cleans the charge roller to prevent this.

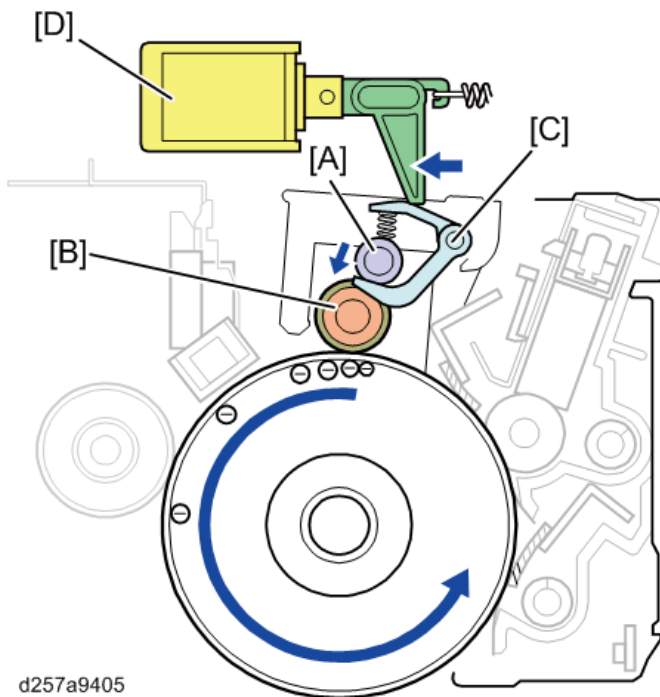
The charge roller cleaning roller [A] rotates in the opposite direction to the charge roller [B] in order to clean the surface of the charge roller.

The charge roller cleaning roller [A] is usually separated from the charge roller [B]. When the charge roller [B]

7.Detailed Descriptions

needs to be cleaned (such as between the sheets after the charge roller rotates in a certain distance), the charge roller cleaning roller [A] comes into contact with the charge roller [B]. The charge roller cleaning roller [A] is lifted by the actuator arm [C] when it is separated from the charge roller [B]. When the charge roller [B] needs to be cleaned, the charge roller cleaning roller solenoid [D] turns ON to compress the spring of the actuation arm. Then the charge roller cleaning roller [A] comes into contact with the charge roller [B].

Although the cleaning may be performed automatically at a specified number of pages, it can also be performed manually by executing SP2-222-001 (Chg Roll Cleaning: Execute all).



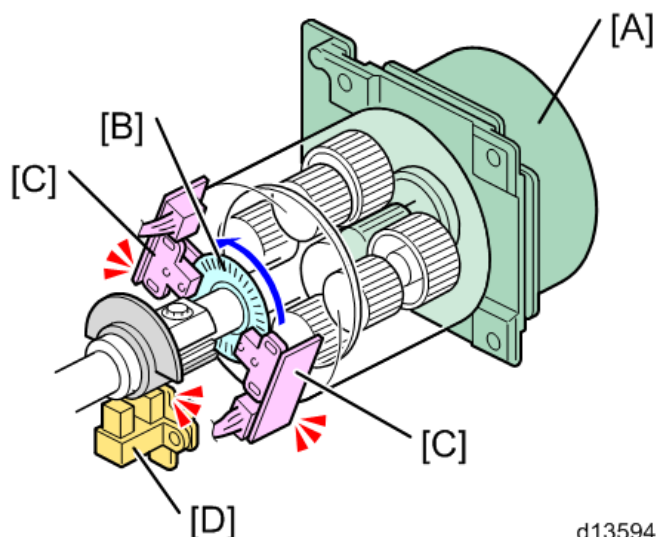
PCDU Drive

Each PCDU has two motors. The drum motor drives drum and the development motor drives development unit. For details about development drive, see [Development Unit Drive](#).

Each color drum has a drum motor [A], and the drum is driven by the drum motor through gears. The development unit has a different motor, to remove fluctuations in load in order to improve the precision of color registration.

Two encoder sensors [C] monitor the rotation of the encoder wheel [B] and the signals are fed back to the drum motor to control the motor speed.

Only Pro C5200S/C5210S has the drum home position sensor [D] which detects drum home position using an actuator.



d1359407

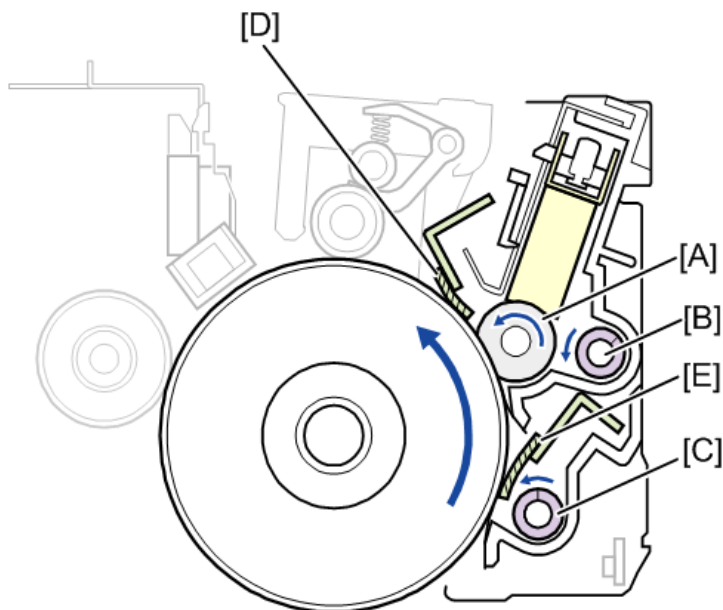
Drum Cleaning

The lubricant brush roller [A] and the primary [C] and secondary [B] toner collection coils are driven by the drum cleaning motor through gears.

A counter blade method is adopted for the lubricant blade [D] and the drum cleaning blade [E]. The lubricant brush roller [A] rotates in the same direction as the OPC drum in order to lubricate the drum surface. The lubricant blade [D] keeps lubricant on the surface flat.

Waste toner that is collected with the drum cleaning blade [E] and lubricant are sent to the used toner transport area by the primary toner collection coil [C].

Lubricant and used toner are sent to the rear side and expelled. The vibration plate prevents the lubricant from clumping together (which can lead to the exit clogging). This vibration plate shifts up and down in accordance with the rotation of the secondary toner collection coil [B] and prevents the exit from clogging.



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7.Detailed Descriptions

PPG-Drive

The drum motors in this machine use the planetary gear reduction mechanism (PPG-Drive: Precision Planetary Gear Drive), and they are more compact and cost less. With FB/FF Control (Feed-Back/Feed-Forward Control) which accurately suppress the speed variations, the rotation accuracy of PPG-Drive is almost the same level as earlier models, such as Pro C751EX/Pro C651EX.

This means that this machine is more cost effective, but almost as accurate as the earlier models.

Lubricant End Detection

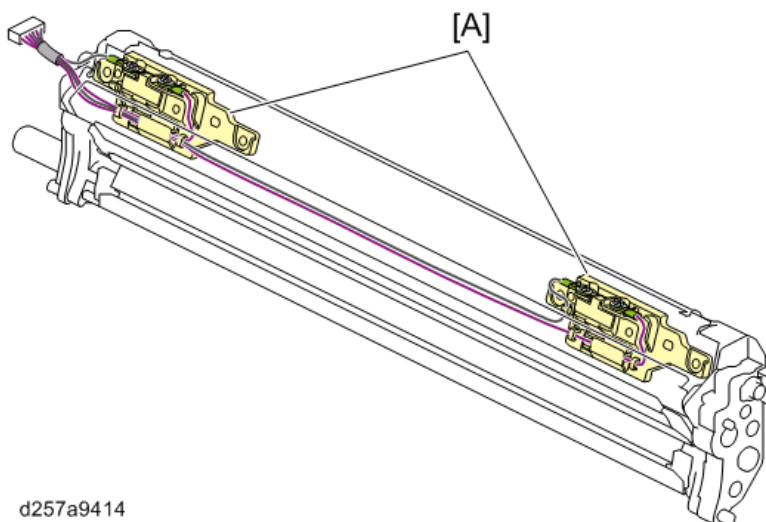
This machine has a detection mechanism for lubricant end in the drum cleaning unit, in order to prevent the drum cleaning unit from deteriorating due to lubricant depletion.

Lubricant End Detection Details

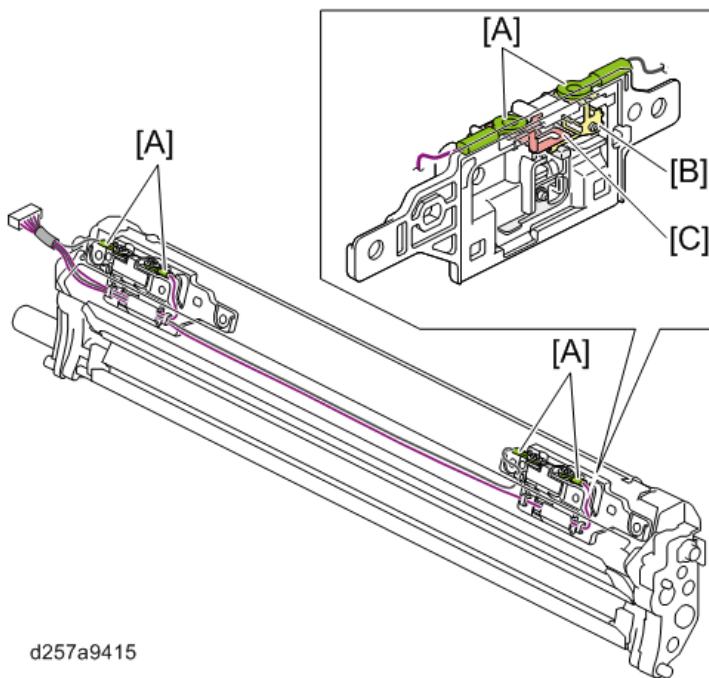
State	Descriptions
Lubricant Near-end	At each end of the lubricant bar, there is a near-end detection mechanism. As lubricant is consumed gradually, a tab in the lubricant holder shifts. When lubricant decreases to a certain amount, the tab touches the feeler and near-end is detected. When either of the lubricant end sensors is triggered, a "Near End" alert message is displayed. The machine can still be used, but a drum rotation counter begins.
Lubricant End	At 12 km of drum rotation after near-end detection, an "End" alert message is displayed. At this time, the machine stops and cannot be used until the lubricant bar is replaced. This corresponds to about 25.3k sheets (Black) / 22 sheets (Full Color) for MP C6503/C8003 (5P/J), or about 30.2k sheets (Black) / 29.9 sheets (Full Color) for Pro C5200S/C5210S (25P/J).

Lubricant End Detection Details

Lubrication end detectors [A] are on the rear of the lubricant blade on the upper side of the drum cleaning unit.



Two harnesses [A] from each lubrication end detector are connected to the drum cleaning unit. The drum cleaning unit is connected to the main machine with four harnesses. The harnesses of each detector come from electrode plate A [B] and electrode plate B [C] within each detector.

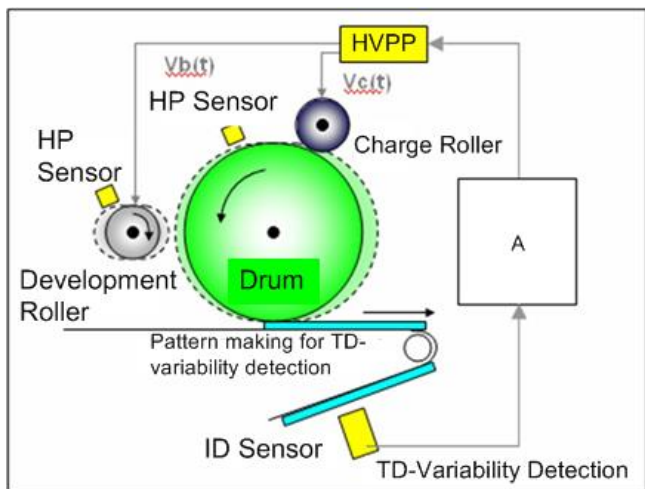


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DEMS (Development Electric-field Modulation System)

In the Pro C5200S/C5210S, DEMS (Development Electric-field Modulation System) reduces banding and color unevenness which result from the change of distance between the drum and the development roller.

Small eccentricities in the rotation of the drum, charge roller, and development roller cause variations in charge on the drum, and this causes uneven image density. To correct for this, the machine monitors the image density as the drum, charge roller, and development roller rotate. To do this, the machine makes a pattern, while monitoring the angle of rotation of the drum and development roller (using the drum home position sensor and development roller home position sensor). The ID sensor above the ITB monitors variations in density of the pattern. Then, during image creation, development bias and charge voltage are adjusted for different phases of drum and development roller rotation, based on the ID sensor. The amount of toner is adjusted and color unevenness is reduced. Because this works for periodical eccentricities of both the drum and the development roller, it reduces banding at 190-mm intervals (drum) and banding at 53-mm intervals (development roller).



w_dems-e_en

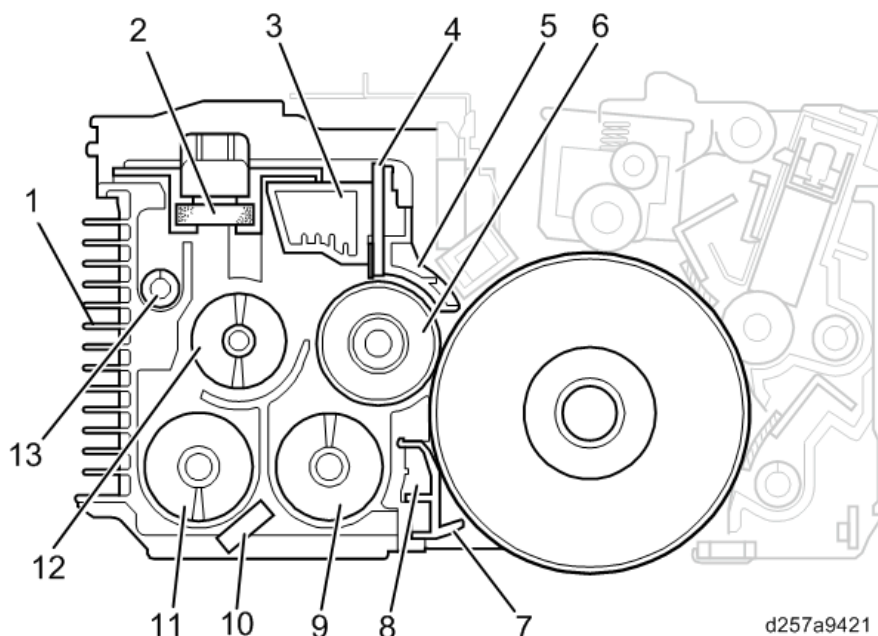
7.Detailed Descriptions

	Descriptions
A	Arithmetic Processing <ul style="list-style-type: none">• Average Processing• AC/DC Detection• Toner Attached Amount <--> Voltage Conversion

Development Unit

Mechanism Descriptions

Component Layout



1	AI Heat Sink	8	Spill Duct
2	Development Filter	9	Right Transport Auger
3	Heat Sink	10	TD Sensor
4	Doctor Blade	11	Left Transport Auger
5	Entrance Seal	12	Upper Transport Auger
6	Development Roller	13	Developer Collection Coil
7	Toner Catcher		

- Development Components

Development Method	Dry system 2-element magnetic brush development
Agitation Method	3-shaft agitation method
Development Unit Drive	Individual drive in each color with a development motor
Development Bias	Applied from the power pack

Mechanism Details

Toner Supply System (Pre-mix Development System)

To keep image density steady, this machine adopts a development system where toner is mixed with a certain amount of developer before writing and then used developer is replaced by new developer while operating.

Note

- With the conventional two-component developer, image quality varies gradually as the carrier ages, and

7.Detailed Descriptions

periodical developer replacement is essential to recover image quality. This has resulted in short replacement intervals and change in image quality each time the developer is replaced.

- The toner supply method used in this machine prevents carrier degradation in the developer unit by including a small amount of carrier in the toner bottle and using this to gradually replace the developer in the development unit. This also helps to keep the developer in good condition longer and to stabilize image quality. Toner contains some developer (the same proportion for all colors).

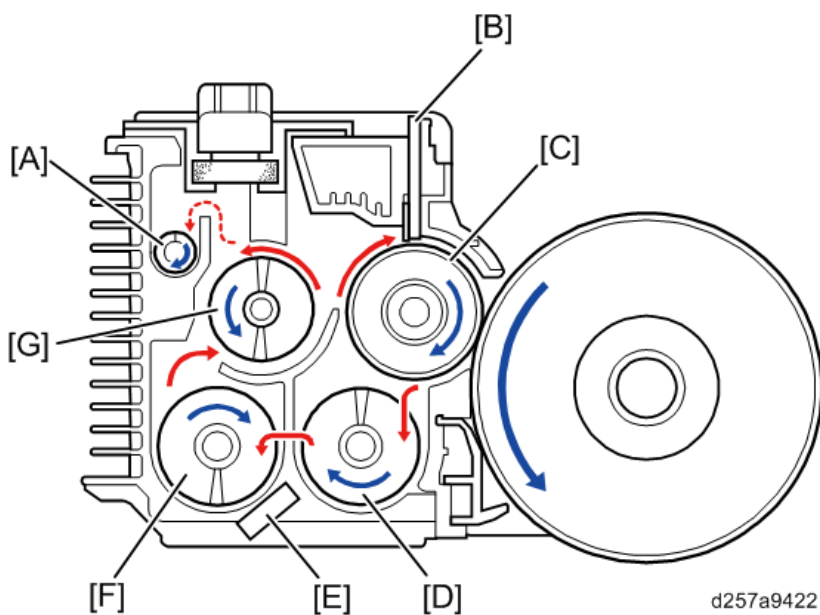
Agitation Method

A 3-shaft agitation method is adopted in this machine.

With three transport augers [D] [F] [G], toner that is transferred from the sub-hopper to the development unit is mixed into the developer, and then the mixed toner is transferred to the development sleeve [C]. The amount of mixed toner and developer on the development sleeve is regulated by the doctor blade, and the mixed toner and developer attaches to the surface of the drum.

If too much developer is supplied, excess developer is discharged by the developer collection coil [A].

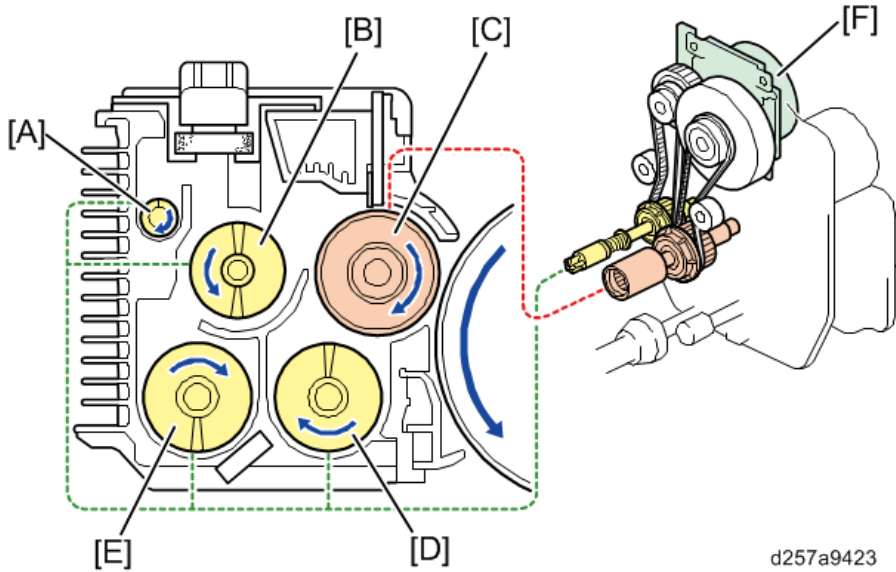
The TD sensor [E] under the left transport auger [F] detects toner density.



Development Unit Drive

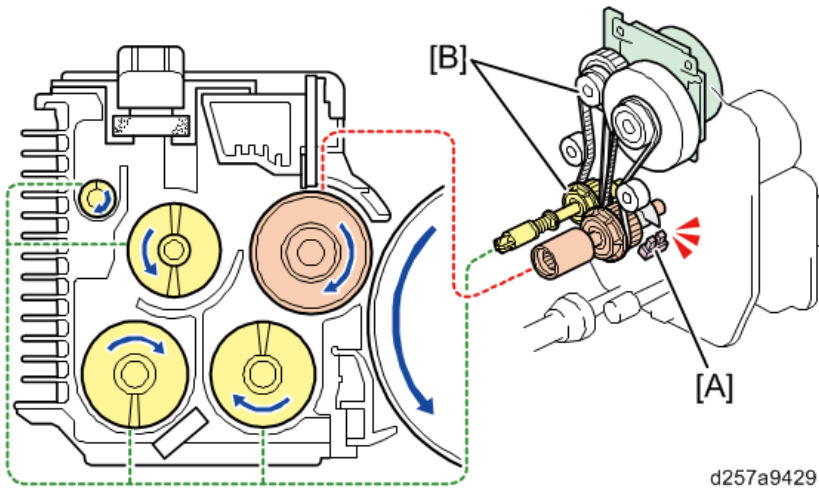
The development motor [F] drives the development sleeve [C], the three transport augers [B] [D] [E], and the developer collection coil [A] through couplings.

Each color development unit has a development motor [F] that drives each of the units.



d257a9423

Pro C5200S/C5210S has the development roller home position sensor [A] to counteract banding (DEMS). The number of teeth of the gears [B] for K is different from Y/M/C in Pro C5210S/C5200S.

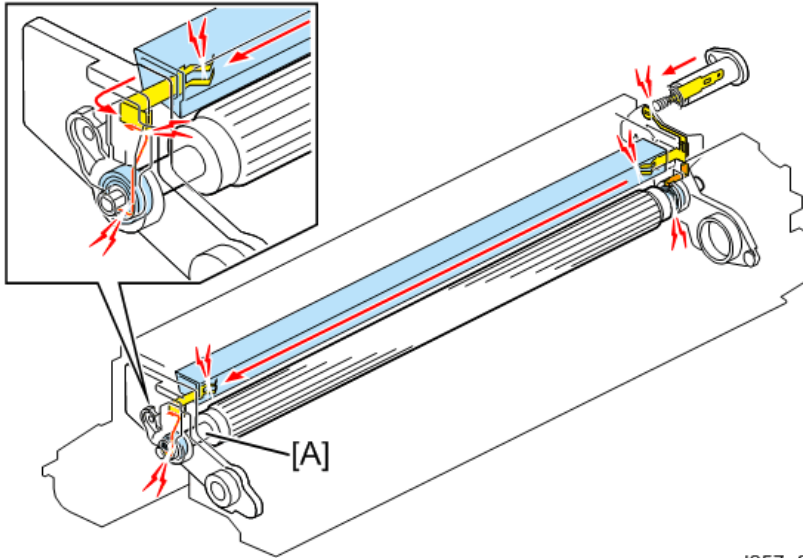


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Development Bias

Development bias is applied from the combined high-voltage power supply board to the development sleeve shaft [A].

7.Detailed Descriptions

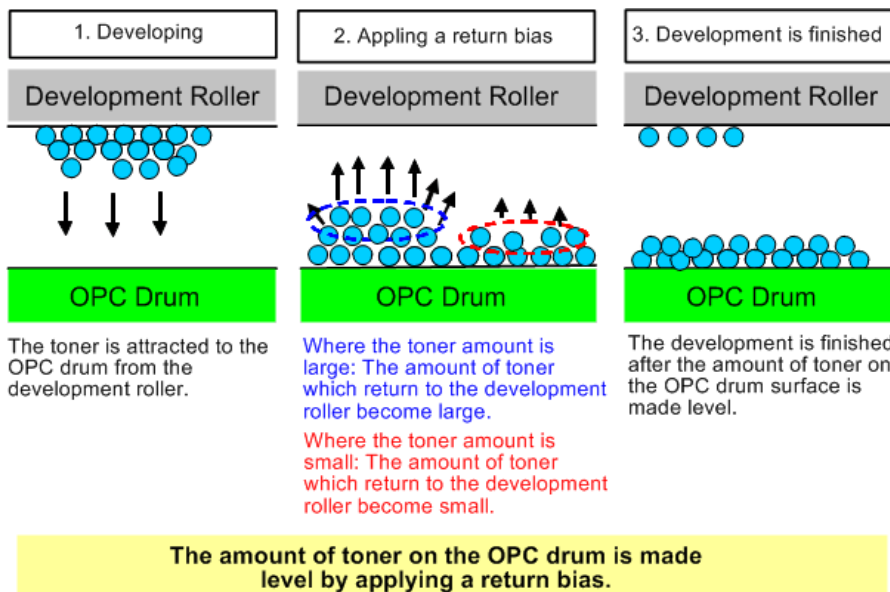


d257a9430

For MP C6503/C8003, the toner is developed by applying the DC bias as in previous models.

For Pro C5200S/C5210S, the development method differs depending on the colors. For K , the toner is developed by applying the DC bias in the same way as MP C6503/C8003.

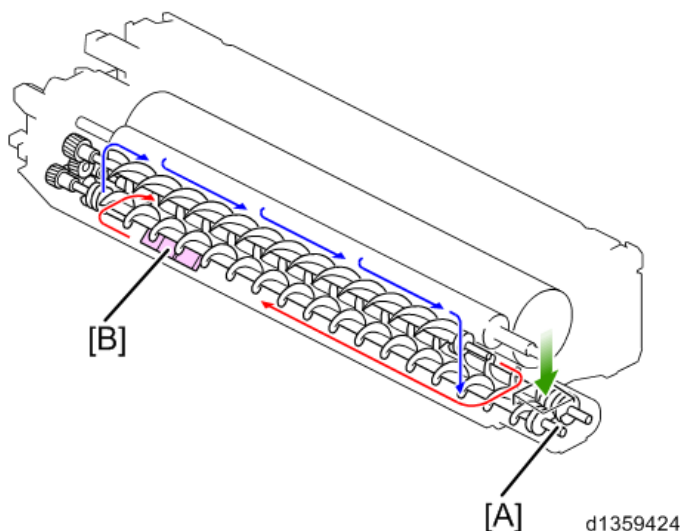
For Y/M/C colors, the toner is developed with the RP (Return Pulse) development method. The toner on the surface of the drum is made level by applying the return bias as shown below, so that the color/density unevenness problem, which appears at the same interval as the drum circumference, is improved.



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Toner Density

The TD sensor [B] installed below the left transport auger [A] detects the density of the developer mixture.

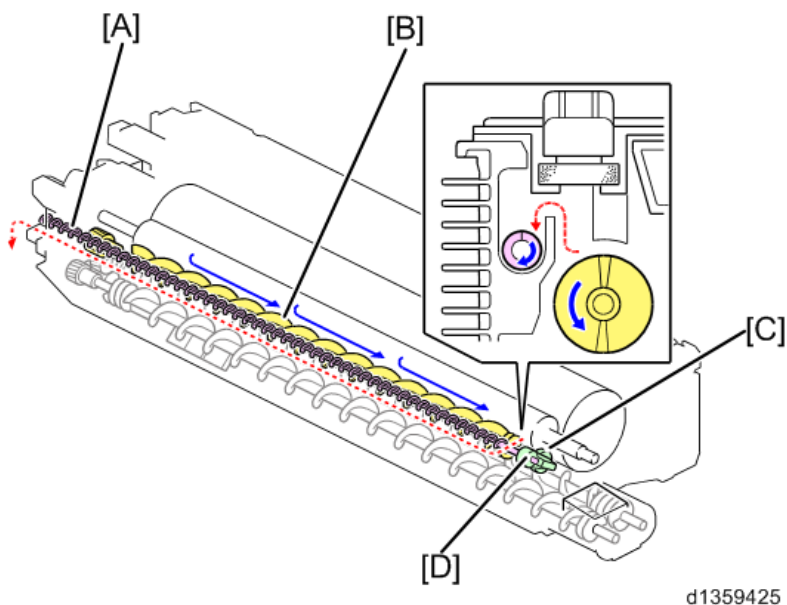


Developer Turnover

In this pre-mixed development system, toner and developer are supplied to the development unit.

If too much developer is supplied to the development unit, the extra amount of developer is discharged from the rear.

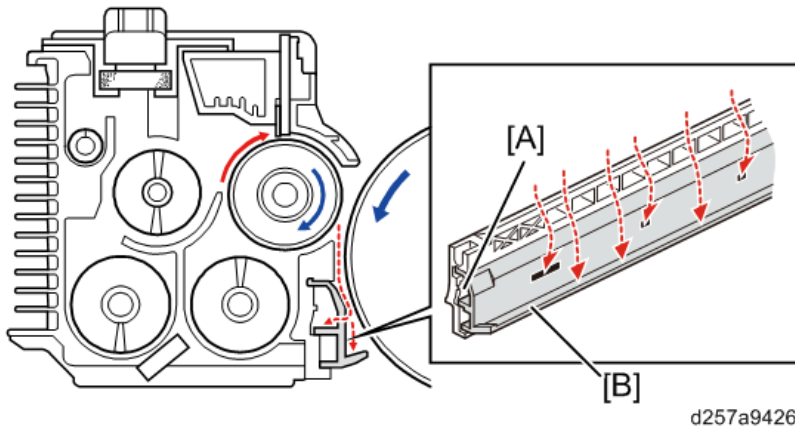
The cam [C] attached to the shaft of the upper transport auger [B] moves the lever [D] in order to rotate the developer collection coil [A] that discharges developer.



Dust Collection

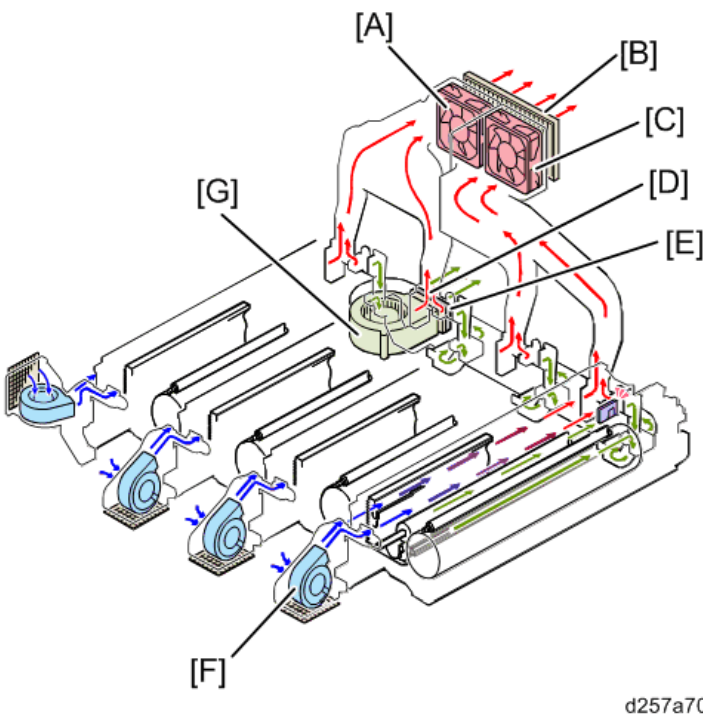
The spill duct [A] and the toner catcher [B] prevent toner scattering and developer leaks. The spill duct has holes that take scattered toner in with a fan ([F] in the drawing for the next section). The toner catcher under the spill duct receives scattered toner that cannot be taken in by the duct. The toner catcher must be cleaned every 300K.

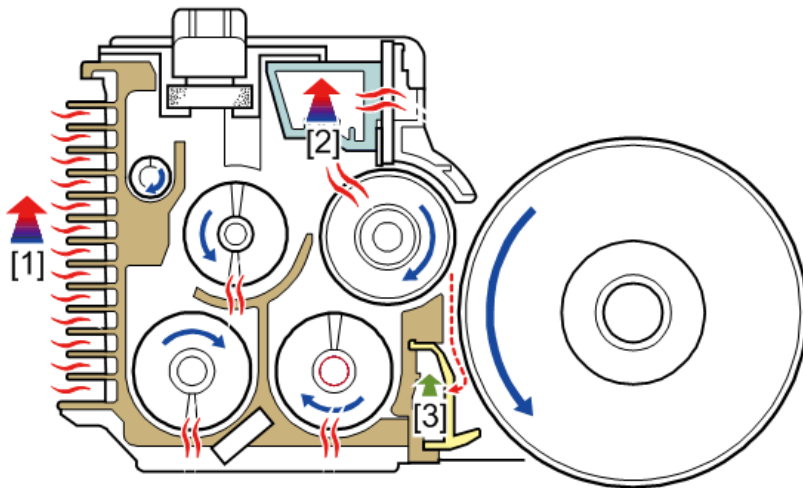
7.Detailed Descriptions



Ventilation

To remove dust and ozone from air going through the charge roller unit and expel it from the machine, the development intake fan [F] on the front of each PCDU blows air in, and the development exhaust fan (left) [A], the development exhaust fan (right) [C], and the ozone exhaust fan [G] expel it. The ozone exhaust fan [G] has a dust filter [D] and an ozone filter [E], and the development exhaust fan (left) [A] and the development exhaust fan (right) [C] have a dust filter [B].





d257a9428

[1]	Air drawn to the development exhaust fan (left) [A] or the development exhaust fan (right) [C]
[2]	Air from the development intake fan [F]
[3]	Air drawn to the ozone exhaust fan [G]

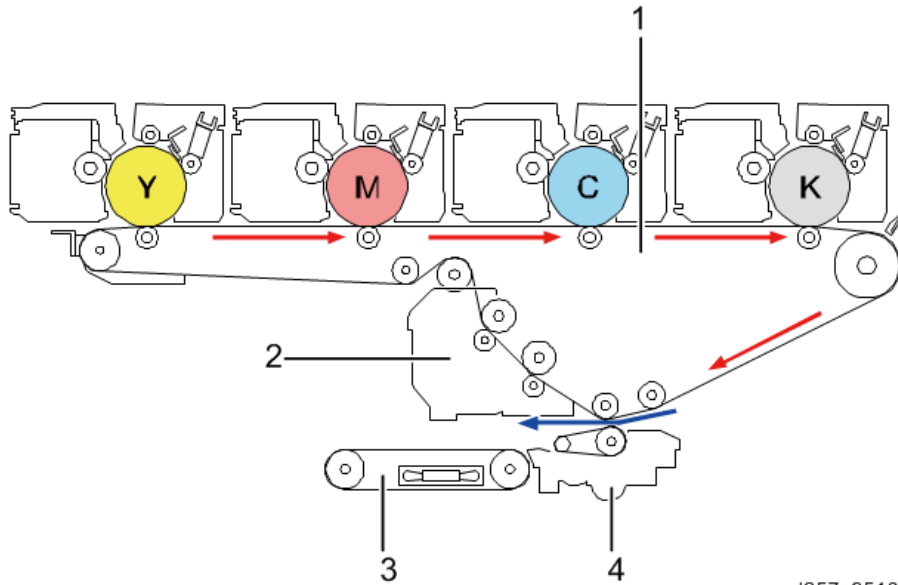
The machine prevents the following problems by expelling ozone around the PCDU.

- Uneven image density caused by ozone
- Toner adhesion caused by the increase in temperature
- Toner scattering
- Background stains caused by the increase in drum temperature
- Deterioration of the developer

Image Transfer Belt (ITB) Unit

Mechanism Descriptions

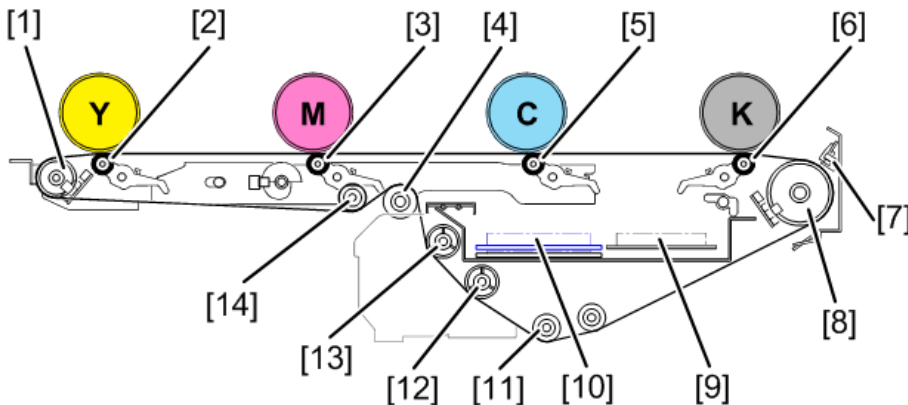
An image that is transferred from the drum to the ITB is carried to the paper transfer area by the ITB. The carried image is transferred to paper in the paper transfer belt unit, and then the paper with the image is separated from the ITB. The separated paper is transferred to the fusing unit through the paper transport belt unit.



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No.	Description	No.	Description
1	Image Transfer Belt Unit	3	Paper Transport Belt Unit
2	ITB Cleaning Unit	4	Paper Transfer Belt Unit

Component Layout



d1359501

1	ITB Driven Roller	8	ITB Drive Roller
2	Image Transfer Roller (Y)	9	Transfer Power Pack/Separation Power Pack
3	Image Transfer Roller (M)	10	AC Transfer Power Pack (Pro C5200S/Pro C5210 only)

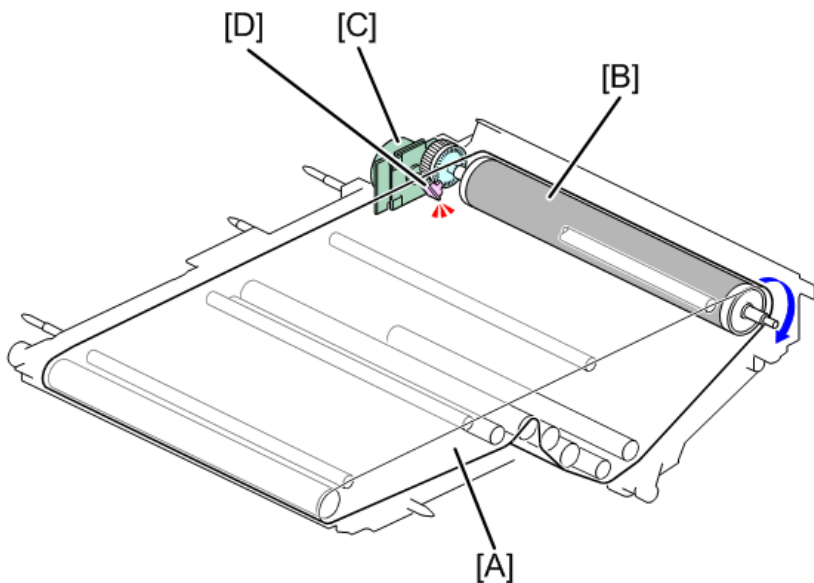
4	Tension Roller	11	ITB Bias Roller
5	Image Transfer Roller (C)	12	ITB Cleaning Blade Counter Roller
6	Image Transfer Roller (K)	13	ITB Lubricant Blade Counter Roller
7	ID/MUSIC Sensors	14	Back-up Roller

Mechanism Details

Drive

The ITB [A] is driven by the ITB motor [C] through a gear and the ITB drive roller [B].

The ITB drive shaft encoder sensor [D] detects the speed of the ITB motor.



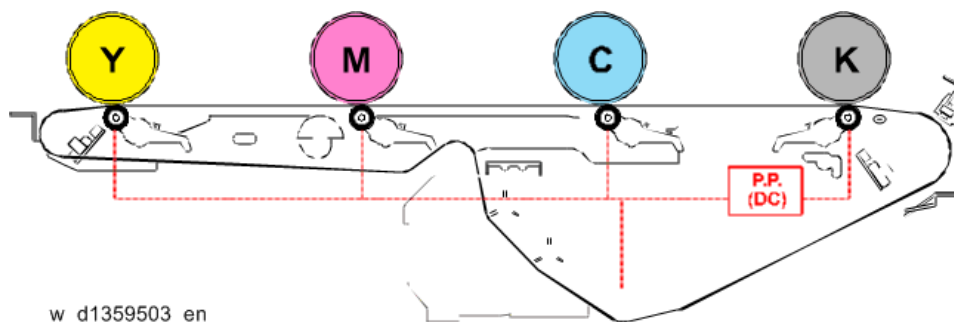
d1359502

Transfer Bias

Bias is applied to the back of the ITB through each image transfer roller. A negative bias is applied to the ITB bias roller in order to improve image transfer to damp paper (repulsive transfer method) The power pack installed in the ITB unit supplies each bias.

Only Pro C5200S/C5210S has the AC/DC transfer method. Toner transfer to paper that has indentations is improved by switching alternately between DC transfer and AC transfer.

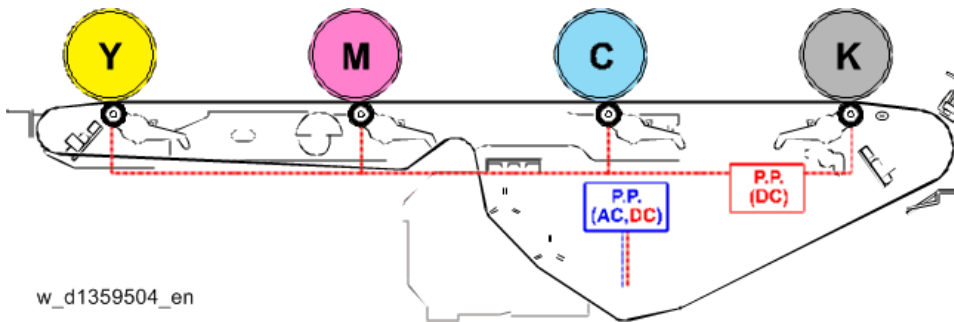
MP C6503/MP C8003



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Pro C5200S/C5210S

7.Detailed Descriptions



ITB Contact / Separation

The ITB is separated from the color drums during black-and-white printing in order to prevent color drum (PCU) degradation.

In a black-and-white / color mixed job, the ITB separates from the color drums for black pages.

In black-and-white printing, the Y, M, and C drums (color drums) do not contact the ITB.

The ITB contacts only the K drum (black) in the default position. In color printing, the ITB [C] is pushed up by the ITB lift motor [A] through the cam [B] in order to contact the color drums. In black-and-white printing, only the K drum contacts the ITB. The ITB lift sensors detect contact/separation status.

For color printing after black-and-white printing, black-and-white printed paper exits the ITB unit, and then the ITB lift motor [A] turns on and pushes up the ITB in order to contact the ITB against the color drums (feed timing is controlled to make the interval between the sheets longer).

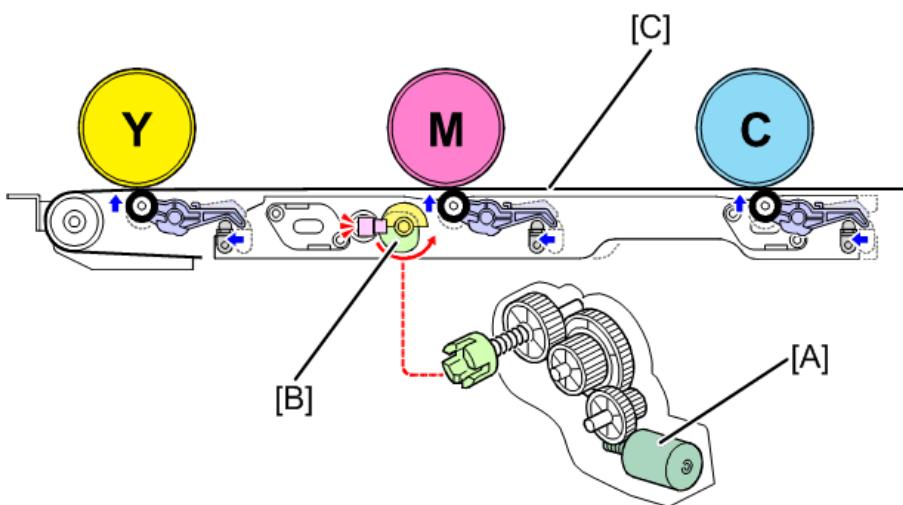


Image Transfer Speed / Belt HP

The feedback control of ITB speed is done during black-and-white printing, color printing, and MUSIC operation in order to improve color registration.

The ITB drive shaft encoder sensor [C] attached to the ITB drive shaft monitors the rotation speed of the ITB motor. The ITB driven shaft encoder sensor [B] attached to the ITB driven roller shaft monitors the rotation of that roller. Readings from both encoders are used to control the speed of the ITB motor. This process is known as CVEC (see below for more details).

The ITB home position sensor [A] detects the home position of the ITB.

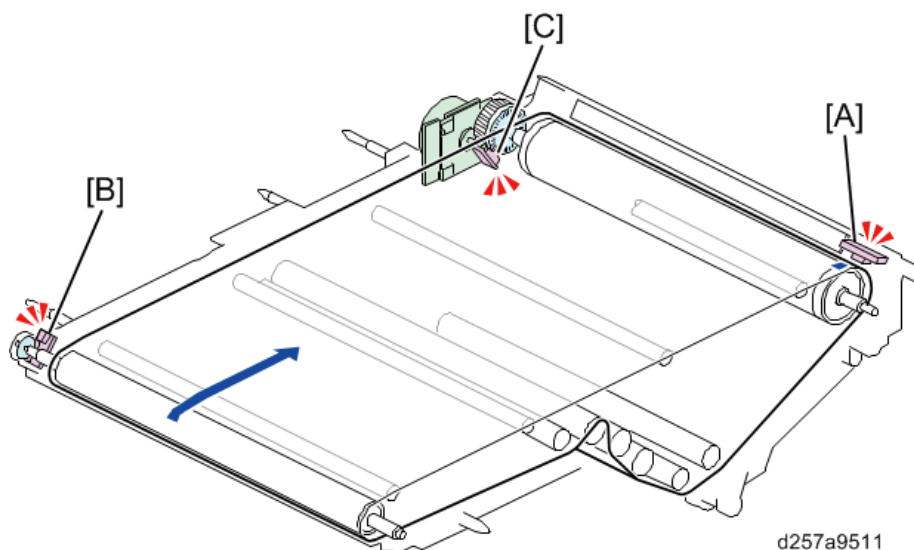
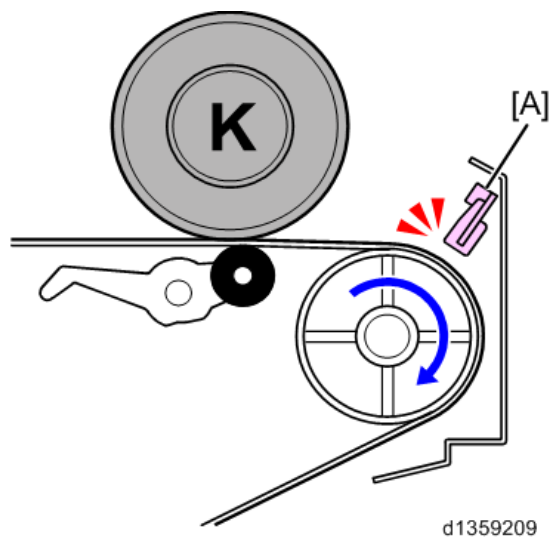


Image Location Correction

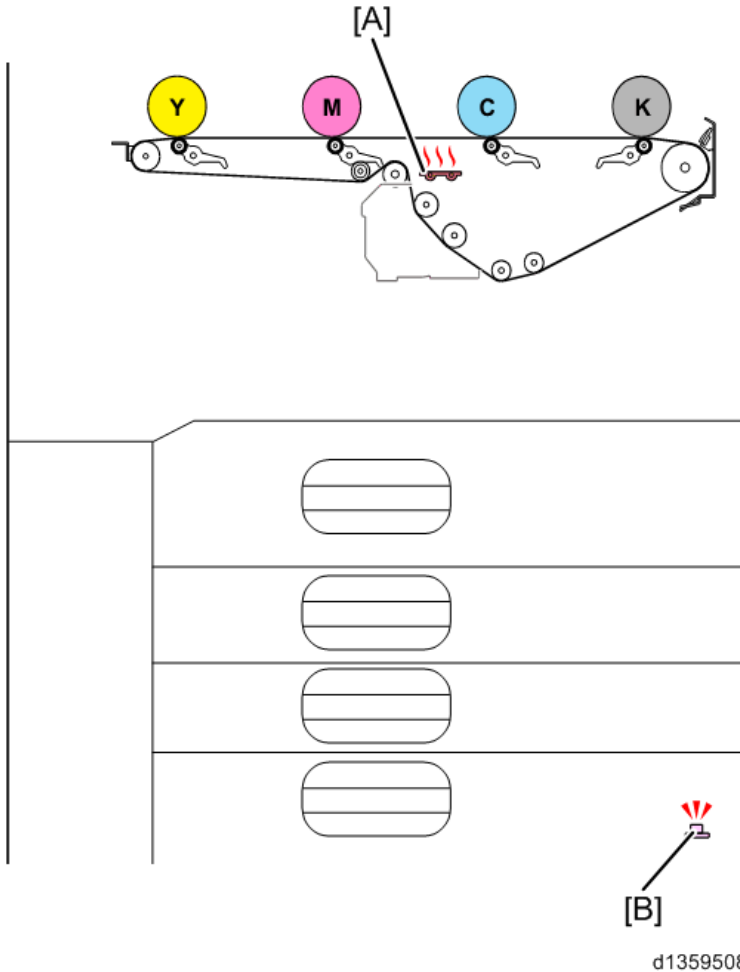
To prevent color registration errors, the machine makes a pattern on the ITB and reads it with the ID/MUSIC sensor [A] that is installed near the drive roller of the ITB.



Thermal Control

The anti-condensation heater [A] prevents condensation from forming on the ITB. It turns on when the main power switch is turned off.

The temperature/humidity sensor [B] is on the bottom of the machine (under the lowest PFU). It monitors the temperature and humidity inside the machine.



CVEC (Compensation function of belt speed Variation of Encoder roller Cycle)

CVEC (Compensation function of belt speed Variation of Encoder roller Cycle) is a technology designed to stabilize the positioning of the belt and control the speed fluctuation of the ITB.

In many older models, an encoder monitors the speed of the driven roller. But errors in speed detection could occur because of eccentricities in the encoder or vibrations of the roller shaft. Also, the conventional machines reduce color deviation by relating station pitches with the circumference of a driven roller, but it is difficult to eradicate the occurrence of belt speed fluctuation and position deviation completely.

In CVEC technology, two encoders control the speed of the ITB. From the difference between the detected values from the encoders on the drive roller and on the driven roller, the speed fluctuation of the driven roller is calculated. From this, the phase amplitude of the driven roller that affects the fluctuation rate is calculated. Then the ITB motor is controlled to counteract the phase differences. With CVEC, fluctuation in speed is reduced by more than half.

CVEC-related SC codes are shown below (Logging only)

SC Code	SC Name
SC445-01	ITB Control Abnormal : Driven Axis FB
SC445-02	ITB Control Abnormal : Driven Axis Eccentricity Adjustment Control
SC445-03	ITB Control Abnormal : ITB Control Abnormal : Dancing Control

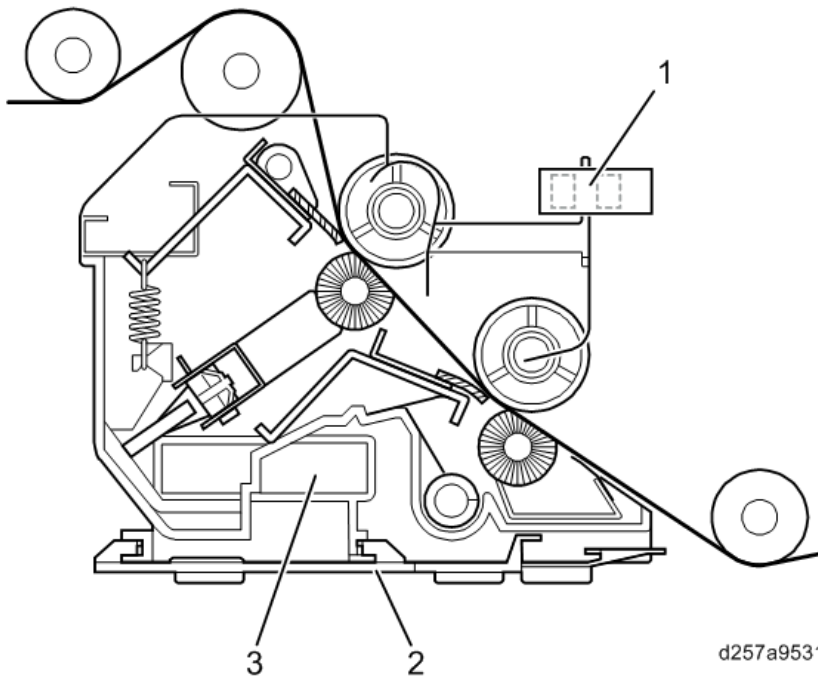
See “Troubleshooting” for finding possible causes and countermeasures.

ITB Cleaning Unit

Mechanism Descriptions

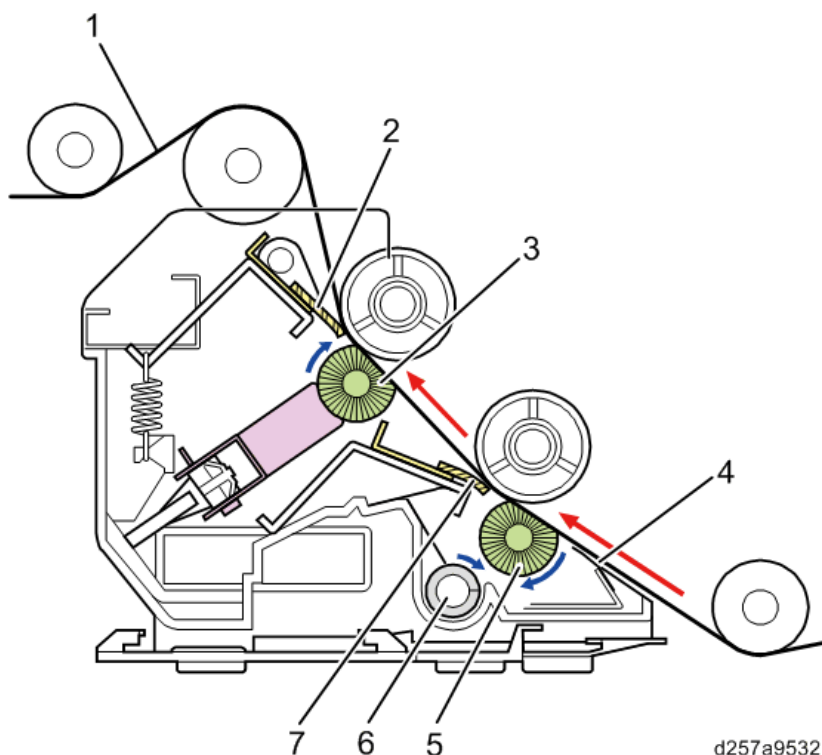
Component Layout

Front View



1	ITB Cleaning Unit Set Sensor
2	Cover
3	Duct

Cross-Sectional View



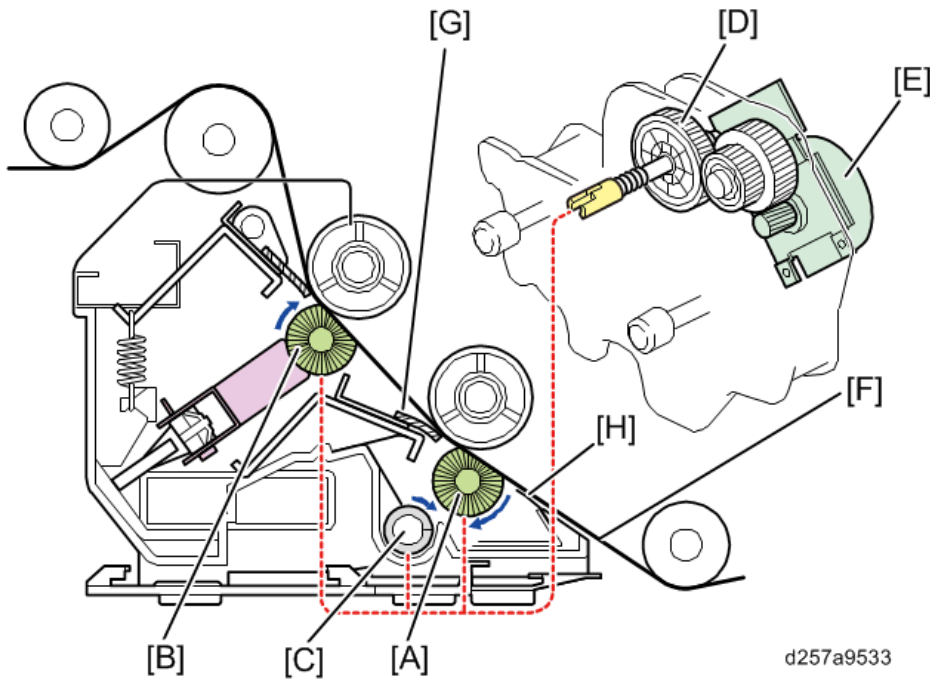
1	Image Transfer Belt (ITB)
2	ITB Lubricant Blade
3	ITB Lubricant Brush
4	Paper Dust Collection Scraper
5	ITB Cleaning Brush
6	Toner Collection Coil
7	ITB Cleaning Blade

Mechanism Details

ITB Cleaning Mechanism

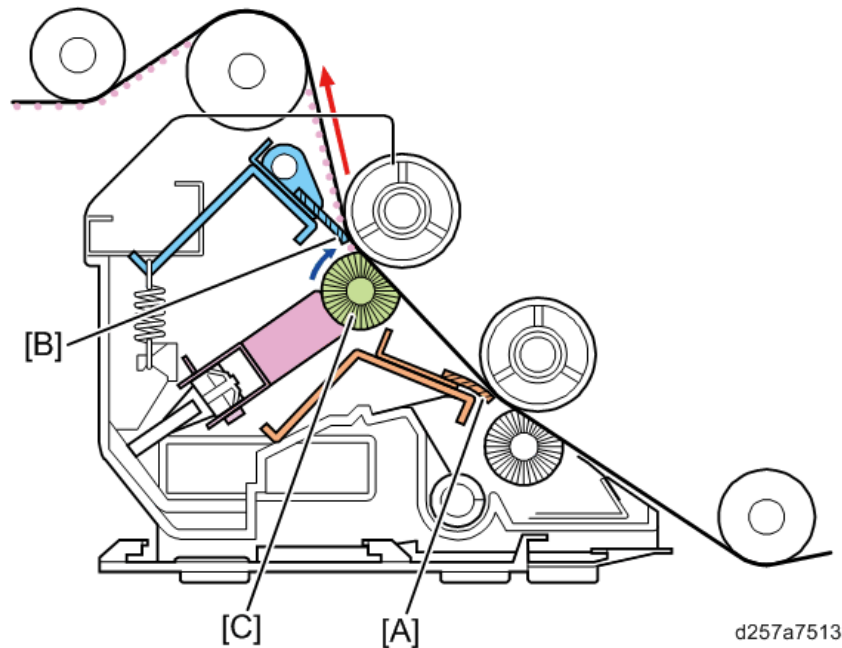
Belt Cleaning

The ITB cleaning brush [A], the ITB lubricant brush [B], and the toner collection coil [C] are driven by the paper transfer belt motor [E] through gears [D]. The ITB cleaning brush [A] removes paper dust on the ITB [F] and then the ITB cleaning blade [G] removes toner. The removed paper dust and waste toner are transported to the waste toner bottle by the toner collection coil [C]. The paper dust collection scraper [H] plucks paper dust and waste toner from the ITB cleaning brush, which sends it to the toner collection coil [C].



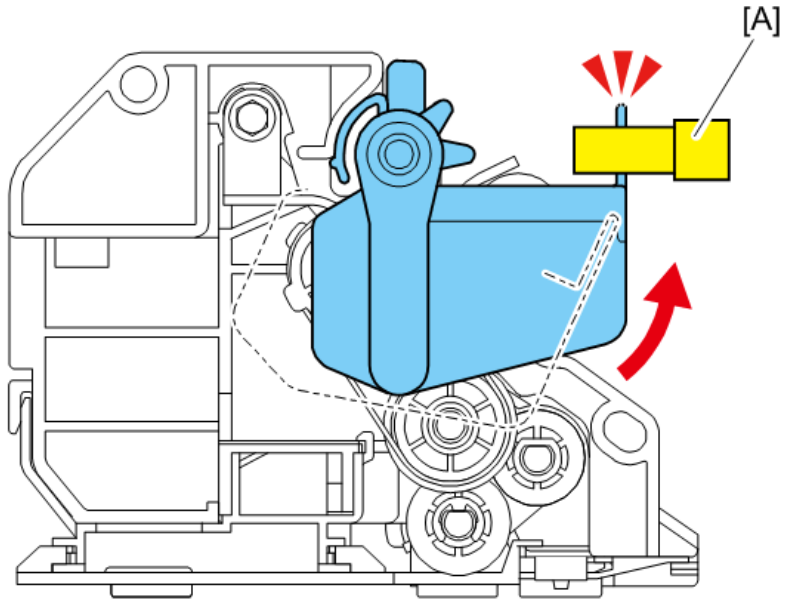
ITB Lubrication

The ITB cleaning blade [A] and the ITB lubricant blade [B] are installed against the belt movement (counter blade method). To enhance the efficiency of cleaning, lubrication is applied to the ITB by the ITB lubricant brush [C] and the ITB lubricant blade [B] spreads it evenly on the ITB.



ITB Cleaning Unit Set Sensor

When the ITB cleaning unit is inserted and the lock lever is turned, the ITB cleaning unit set sensor [A] detects the tip of the lever and the machine judges that the ITB cleaning unit is set.

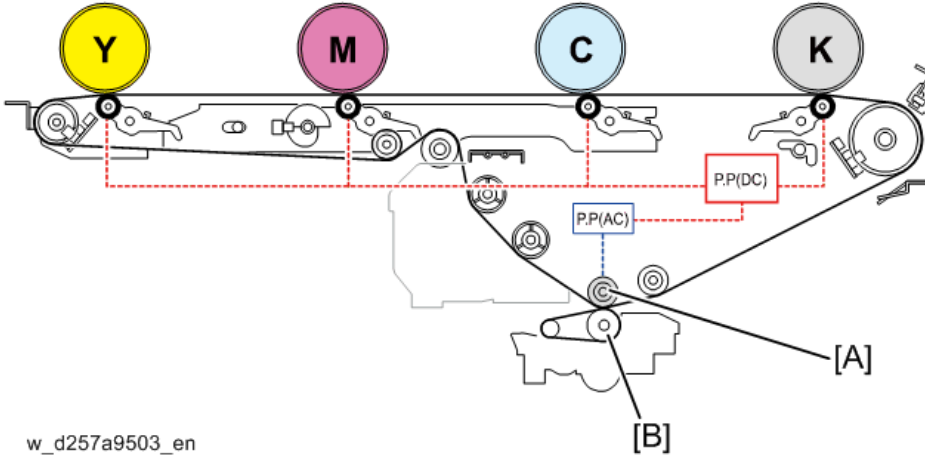


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Paper Transfer Belt Unit

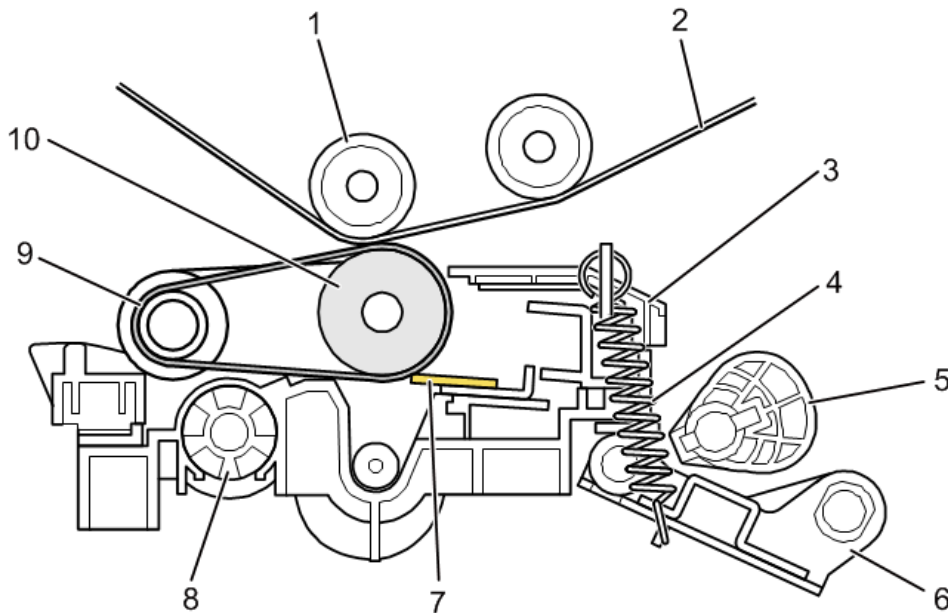
Mechanism Descriptions

The ITB unit has transfer power packs for belt transfer and paper transfer. These power packs supply charge to the image transfer rollers for each color and the ITB bias roller [A] (above the paper transfer roller) to transfer the image on the belt to the paper. The paper transfer roller [B] turns in accordance with the ITB bias roller [A].



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Component Layout



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1	ITB Bias Roller	6	Pressure Lever
2	Image Transfer Belt (ITB)	7	ITB Cleaning Blade
3	Entrance Guide	8	Paper Transfer Roller Drive Shaft
4	Pressure Spring (front / rear)	9	Paper Transfer Belt
5	Paper Transfer Roller Release Cam	10	Paper Transfer Roller

Mechanism Details

Paper Transfer Belt Lift

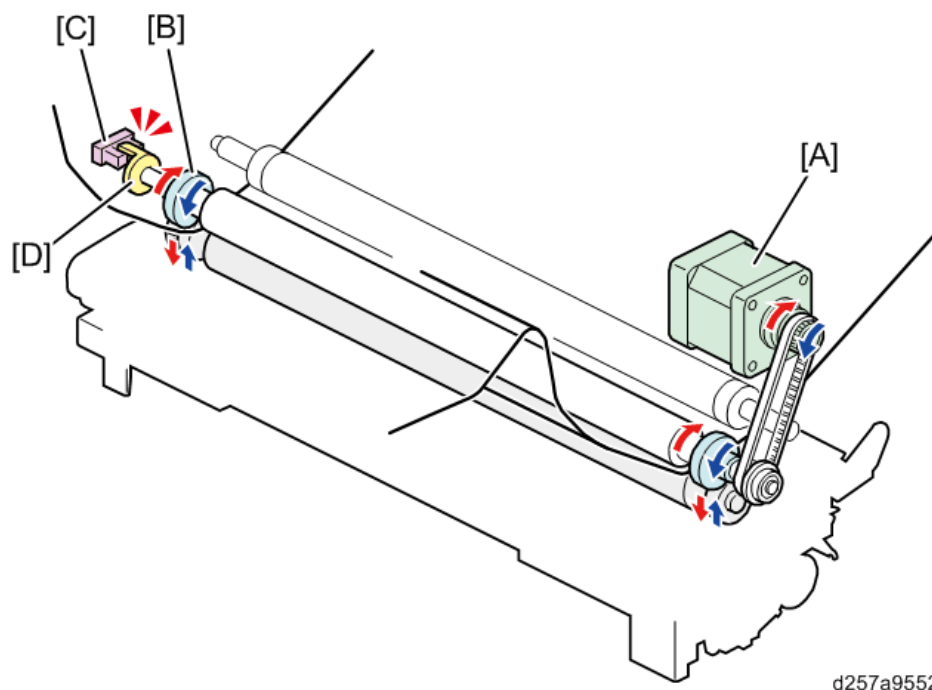
The ITB unit has a paper transfer belt lift control mechanism for the following reasons (this mechanism moves the ITB into contact with the paper transfer belt or separates them by a small distance, while pressure is applied to the paper transfer belt unit).

1. To secure paper transfer efficiency by preventing the ITB bias roller from becoming dented, which may result from the paper transfer belt and the ITB being always in contact.
2. To suppress the shock occurred when the paper enters the paper transfer section. (This machine is equipped with the shock jitter cancel mode. The state of paper transfer belt is shifted from the separated state to the contact state when the paper reaches the paper transfer section.)

Control Specifications

1. General

The paper transfer belt separation motor [A] drives the cam [B] of the ITB bias roller. The paper transfer belt separation sensor [C] detects the actuator [D]. With this sensor [C], the machine judges whether the paper transfer belt is in contact with the ITB or not. The detected result is fed back to paper transfer belt lift control.

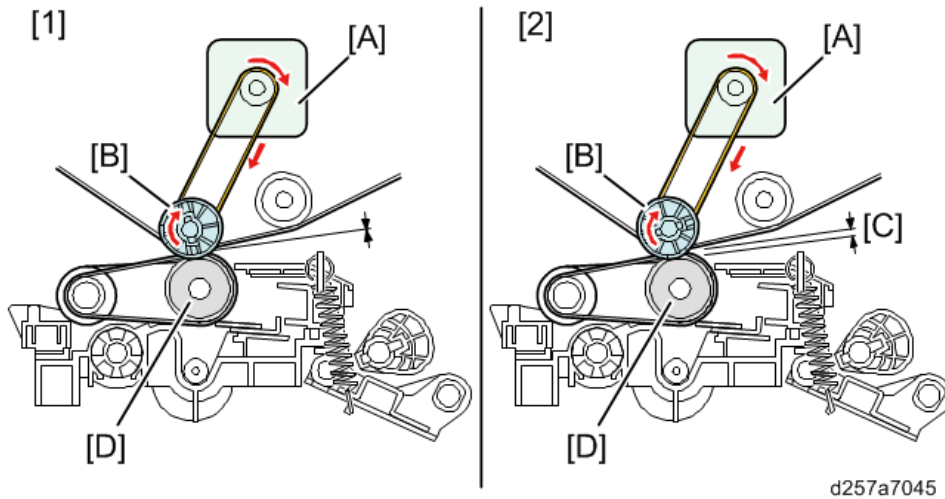


As shown below, The paper transfer belt separation motor [A] rotates clockwise in order to rotate the bias roller cam [B].

[1]: When the paper transfer belt separation motor [A] rotates clockwise, the long diameter part of the bias roller cam [B] contacts with the bearing [D]. The paper transfer belt contacts with the ITB in this state.

[2]: When the paper transfer belt separation motor [A] rotates clockwise more, the short diameter part of the bias roller cam [B] contacts with the bearing [D]. The paper transfer belt is separated from the ITB in this state.

7.Detailed Descriptions



Note

You can find whether the paper transfer belt is in contact or separated by seeing the direction of the flat face of the ITB bias roller shaft on which the bias roller cam [B] is attached.

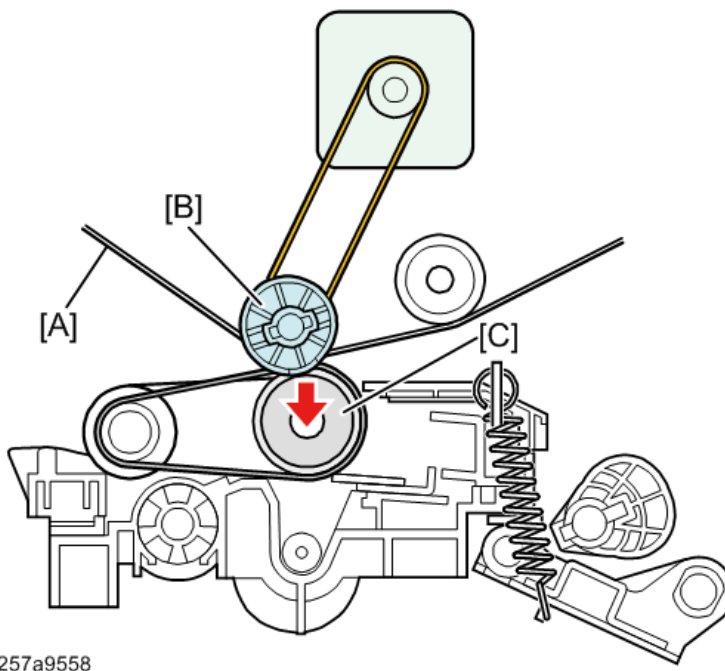
- [1]: Contact state → The flat face of the shaft points to the upper left.
- [2]: Separated state → The flat face of the shaft points to the lower right.

In the "separated" state, the separation space [C] (indicates the space between the paper transfer belt and the ITB) is 0.8 mm regardless of paper thickness.

2. The direction of the ITB bias roller cam

Separated state

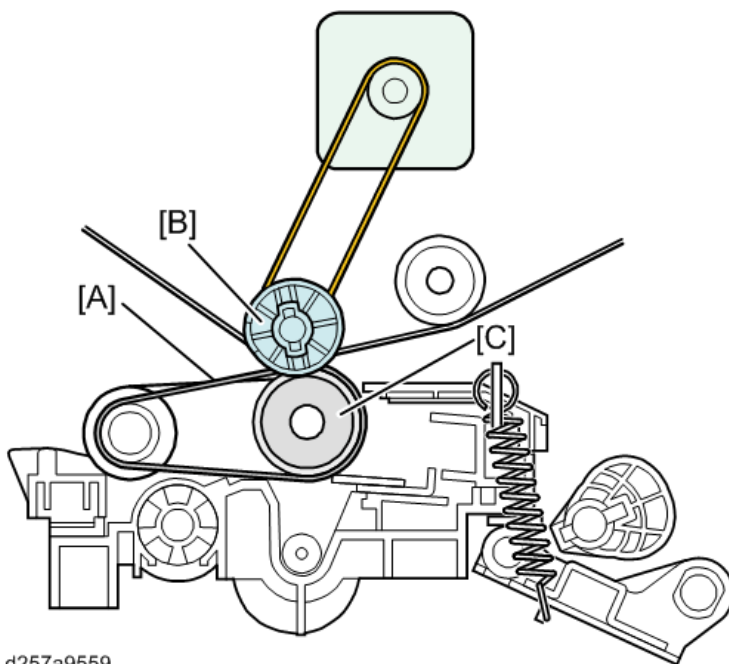
The ITB bias roller cam [B] (bulging part) pushes the bearing of the paper transfer roller [C] down to slightly separate the paper transfer belt from the ITB [A].



Contact state

The ITB bias roller cam [B] (flat part) contacts the bearing [C]. In this state, the paper transfer belt [A]

moves up slightly.



3. Sensor State

	State of Paper Transfer Belt
Interrupted	Contact
Not interrupted	Separated (Home position)

4. Contact / Separated State List

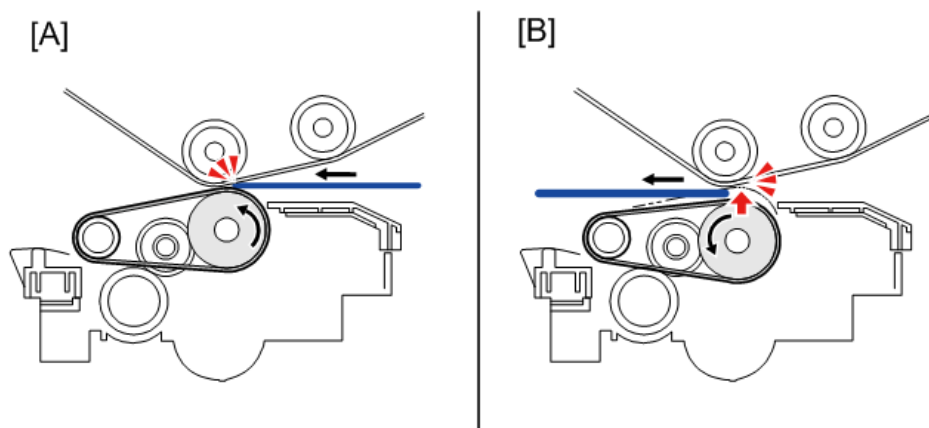
The list below shows when "contact / separation" operation is performed:

Machine State		Paper Transfer Belt State	Remarks
Ready		Separated	
While printing	Color	Contact	The belts are also in contact during intervals between sheets.
	BW	Contact	
Other States	Process Control	Separated	
	MUSIC	Separated	
	Forced Toner Consumption	Separated	
	Lubrication Mode	Contact	

5. Shock Jitter Cancel Mode

When the paper enters the nip between the ITB and the paper transfer belt [A] and when the paper exits the nip between the ITB and the paper transfer belt [B], shock will occur.

7.Detailed Descriptions



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This can cause jitter on the printout. To cancel this shock jitter, the ITB bias roller is away from the paper transfer belt at the start, then the ITB bias roller contacts the paper transfer belt after the leading edge arrives at the nip, and moves away before the trailing edge passes the nip.

With the default setting, however, shock jitter may occur when thin but hard paper goes between the ITB and the paper transfer belt. To prevent this, it is possible to configure the contact/separation timing for each paper type in SP1-023-001 to 099 (Shock Jitter Cancel). If the paper is custom paper, the contact/separation timing can be set for each paper type using IMSS (Pro C5200S/C5210S only).

Shock Jitter Cancel Mode: SP1-023-001 to 099

Change the setting value to "1: ON" ~ "5: LOW 3" for each paper type to adjust the contact/separation timing, so that the shock jitter is improved. (The Default settings are as follows. Thick 1 to 4: "OFF" / Thick 5 to 9 "ON")

Setting of SP1-023-001 to 099	Description
0 (OFF)	The belts are kept in contact while paper passes the nip area.
1 (ON)	The "contact / separation" operation is performed according to the following SP settings: <ul style="list-style-type: none"> • SP1-021-001 to 099 (Paper Transfer Belt Cont Timing): Contact timing • SP1-022-001 to 099 (Paper Transfer Belt Set Timing): Separation timing
2 (WEAK)*1	The nip pressure is lowered (decompression mode) according to the following SP settings: <ul style="list-style-type: none"> • SP1-025-001 to 099 (Paper Transfer Belt Cont: Depressure): Amount of depressurization (Pro C5200S/C5210S only) The machine keep the nip pressure according to the SP settings during printing, not between the sheets.
3 (LOW 1)	The machine reduces the separation speed to 85% based on the separation speed of the "1 (ON)" setting. This setting improves the shock jitter at the trailing edge.
4 (LOW 2)	The machine reduces the separation speed to 40% based on the separation speed of the

Setting of SP1-023-001 to 099	Description
	"1 (ON)" setting. This setting improves the shock jitter at the trailing edge better than the "3 (LOW 1)" setting.
5 (LOW 3)* ¹	The machine reduces the separation speed to 40% based on the separation speed of the "1 (ON)" setting, and adjusts the process speed at the same time. This setting is used when the next contact timing is delayed since the separation speed is too low* ² .

*1 When "2 (WEAK)" or "5 (LOW 3)" is selected, process speed is lowered according to the setting of SP1-023-250.

*2 If the separation is not finished until the next contact timing since the separation speed is too low, the next contact timing is delayed. The machine cannot apply the nip pressure until the target timing, then the transfer at the leading edge of the paper can be less effective.

When "1 (ON)", "3 (LOW 1)", "4 (LOW 2)", or "5 (LOW 3)" is selected, the timing of contact / separation can be adjusted in the SP mode. The thickness and stiffness differ between paper types even if they are in the same paper thickness classification. The adjustment is to compensate for this.

Contact Timing: You can adjust the contact timing when the shock jitter cancel mode (SP1-023-001 to 009) is set to "1 (ON)". Larger SP values mean slower contact timing. Shock jitter at the leading edge could diminish if you delay the contact. However, if the contact timing is delayed too much, transfer at the leading edge of the paper can be less effective.

Standard Paper: SP1-021-001 to 099 (Paper Transfer Belt Cont Timing)

Custom Paper (Pro C5200S/C5210S only): No.46 (Ppr Trns Gap: On Timing)

Separation Timing: You can adjust the separation timing when the shock jitter cancel mode (SP1-023-001 to 009) is set to "1 (ON)". Smaller SP values mean an earlier start of the separation. Shock jitter at the trailing edge could diminish if you make the separation earlier. However, if the separation timing is too early, transfer at the trailing edge of the paper can be less effective.

Standard Paper: SP1-022-001 to 099 (Paper Transfer Belt Set Timing)

Custom Paper (Pro C5200S/C5210S only): No.47 (Ppr Trns Gap: Off Timing), 045: (Ppr Trns Contact Mode)

Pressure Reduction Value: You can adjust the nip pressure when the shock jitter cancel mode (SP1-023-001 to 009) is set to "2 (WEAK)". Smaller SP values mean a lower nip pressure. Shock jitter could diminish if you make the nip pressure lowered. However, if the nip pressure is too low, transfer of the whole image can be less effective.

Standard Paper: SP1-025-001 to 099 (Paper Transfer Belt Cont: Depressure)

Custom Paper (Pro C5200S/C5210S only): No.49

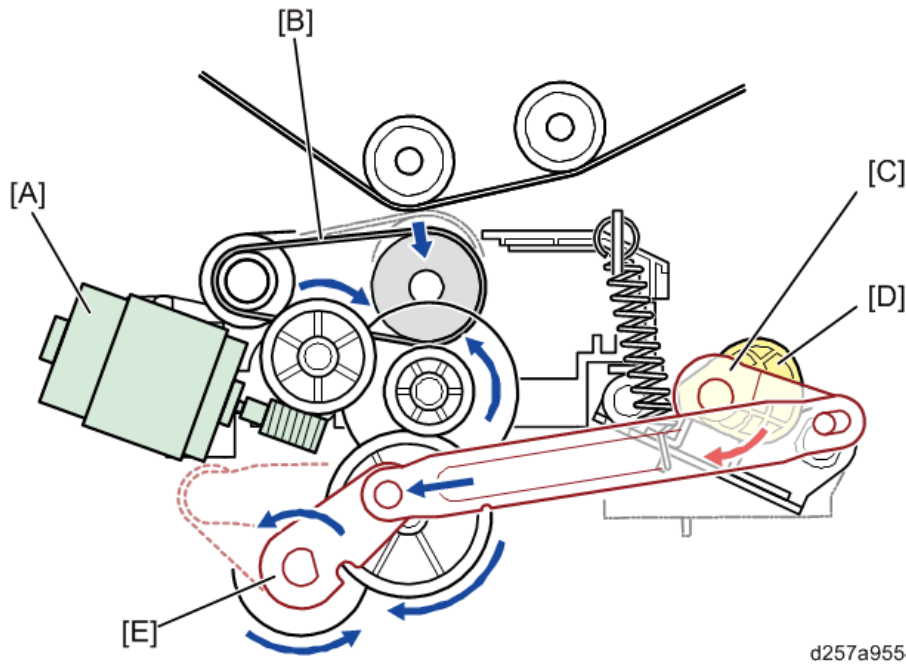
Paper Transfer Belt Release

The pressure of the paper transfer belt is released as follows when the drawer unit is withdrawn or inserted, so that it does not interfere with the image transfer belt unit.

1. The drawer unit lock motor [A] rotates the link (drive) [E].
2. The link (drive) [E] moves the link (driven) [C].

7.Detailed Descriptions

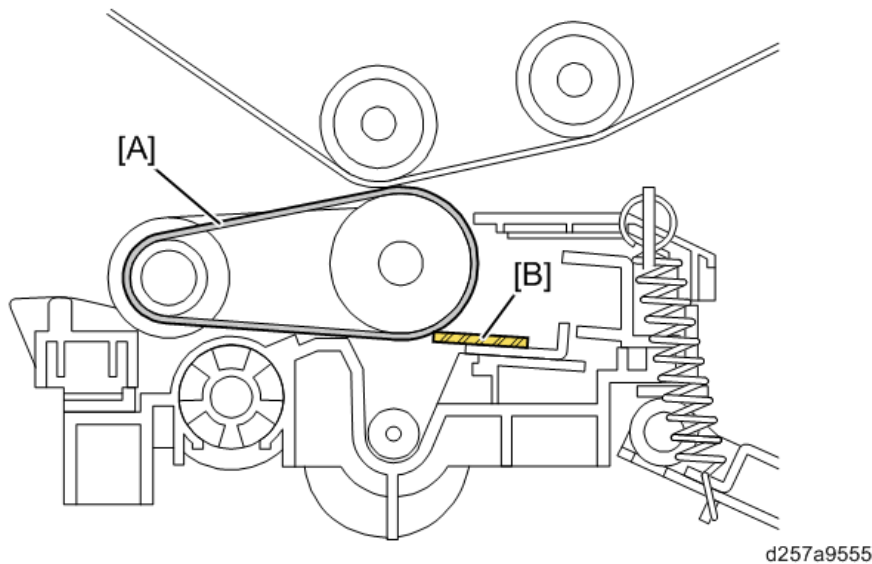
3. The paper transfer belt release cam [D] moves and the paper transfer belt [B] is released (separated from the ITB).



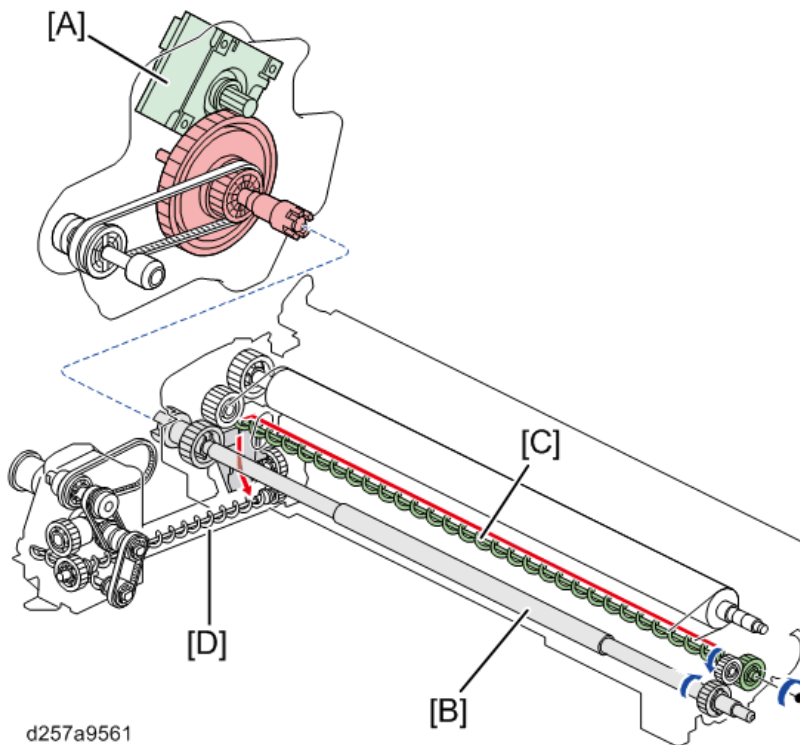
Note the difference between the effects of this motor and the paper transfer belt separation motor (described in the previous section). The paper transfer belt separation motor only moves the paper transfer belt a small distance from the ITB, to reduce shock jitter. The above mechanism moves the paper transfer belt completely away from the ITB.

Paper Transfer Belt Cleaning

Toner on the paper transfer belt [A] is scraped off by the cleaning blade [B].

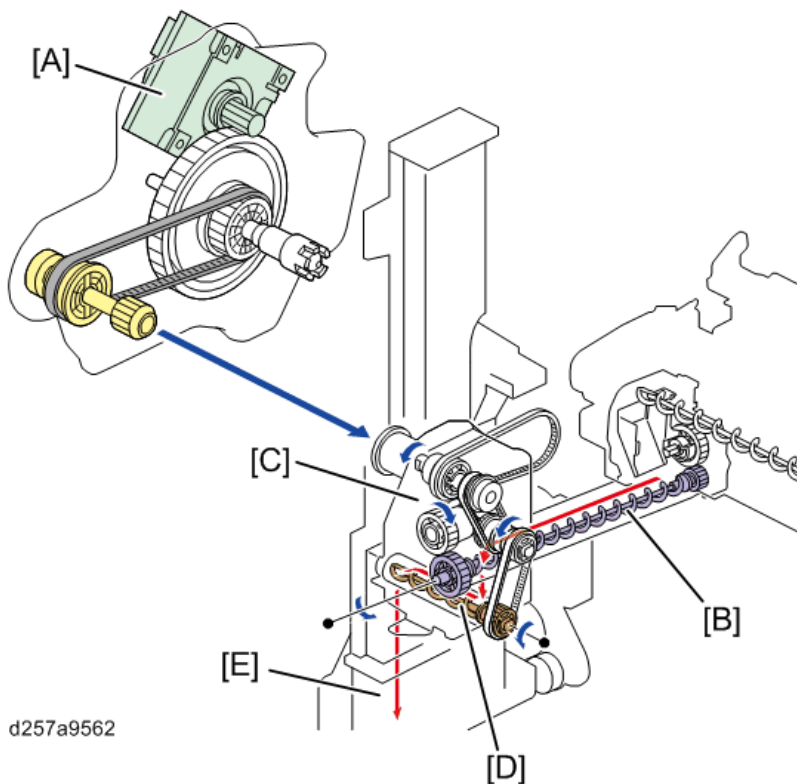


Toner that is scraped off the paper transfer belt is transported to the rear side [D] of the drawer unit by the transport coil [C] which is driven by the paper transfer belt motor [A] via the shaft [B].



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Toner that is transported to the paper transfer belt waste toner transport unit [C] at the rear of the drawer unit, is transported to the vertical waste toner path [E] by the transport coils [B] and [D]. Both of the transport coils [B] and [C] are driven by the paper transfer belt motor [A]. In the end, it is transported to the waste toner bottle with the waste toner from the drum cleaning unit and the used developer from the development unit through the vertical waste toner path [E].



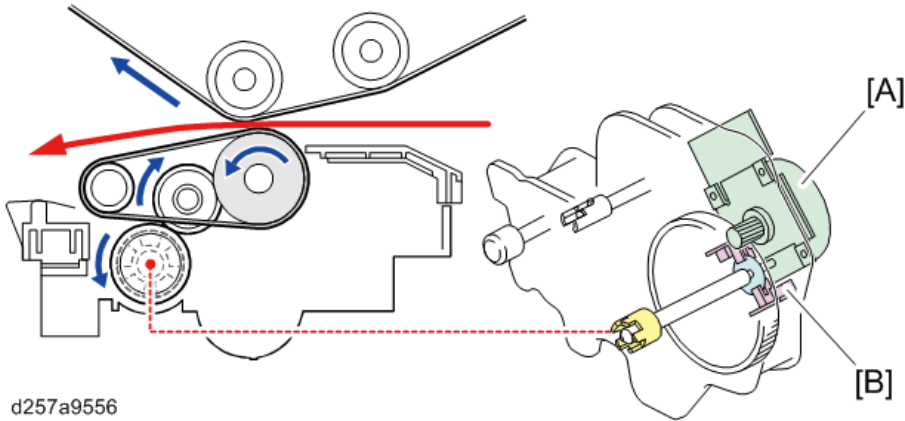
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7.Detailed Descriptions

Paper Transfer Belt Drive

The encoder sensor [B] detects the speed of the rotation for the feedback control to adjust the speed of the paper transfer belt.

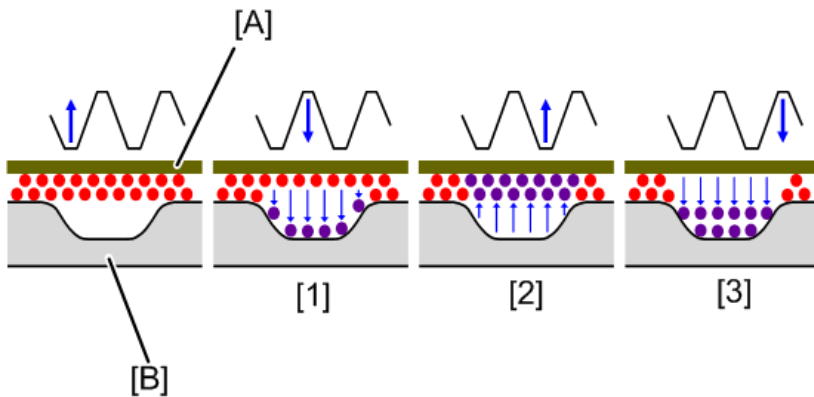
The paper transfer belt motor [A] drives not only the paper transfer roller but also the ITB cleaning and the paper transport belt.



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AC Transfer method (Pro C5200S/Pro C5210S only)

Pro C5200S/C5210S only: By changing the transfer method (DC or AC) alternately, toner transfer to paper that has indentations is improved. You need to turn this feature on if you wish to use it. The way to turn it on is explained later.



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A	Image Transfer Belt (ITB)
B	Indentation (Paper Surface)

	Descriptions	Applied Current
1	A portion of the toner is transferred.	DC
2	Toner returns and contacts the toner remaining on the ITB, which affects the attachment state of this toner.	AC
3	After the toner attachment state changes, the toner is more likely to be transferred.	DC

This mechanism turns on in the following conditions shown below:

In Copy Mode

- The tray that is used is linked with a paper type registered in the paper library as requiring AC*.

In Printer Mode

- The tray that is used is linked with a paper type registered in the paper library as requiring AC*.
- The tray that is used is linked with a paper type registered in the paper library as requiring AC*. Then you use the driver to select a paper type that requires AC.

Note

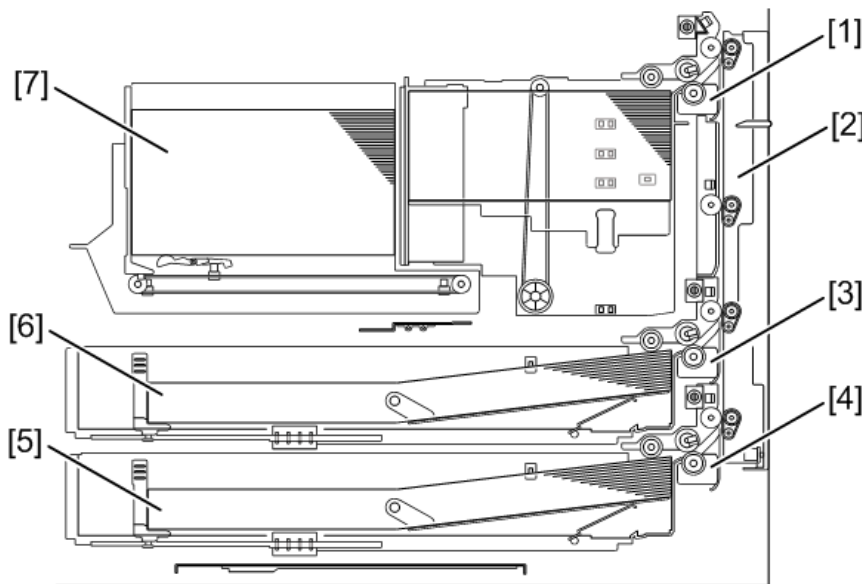
- With SP2-850-101 to 999, you can also turn on/off AC application for each paper thickness.
- But if AC is applied to a paper type that is registered as not requiring AC, problems such as vertical streaks may occur.

Paper Feed Unit

Mechanism Descriptions

Component Layout

The paper feed unit employs an FRR method that has a press-release function, with a hysteretic maintenance-free torque limiter. Each roller is driven by a DC motor.



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No.	Description	No.	Description
1	Paper Feed Unit for Tray 1	5	Tray 3
2	Vertical Transport	6	Tray 2
3	Paper Feed Unit for Tray 2	7	Tray 1 (Tandem Tray)
4	Paper Feed Unit for Tray 3		

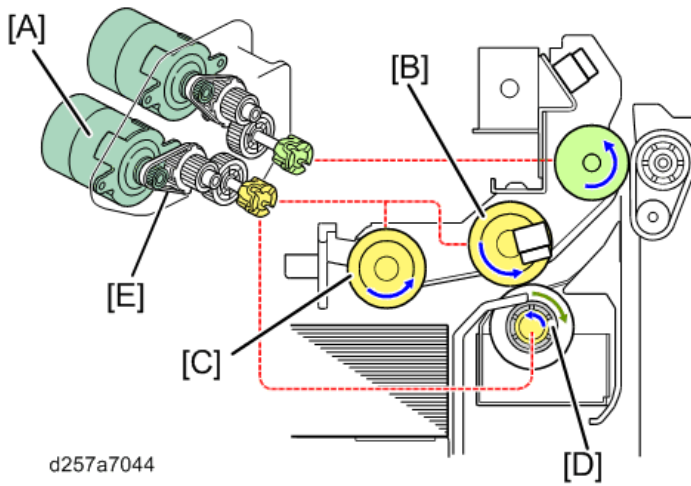
Mechanism Details

Bank

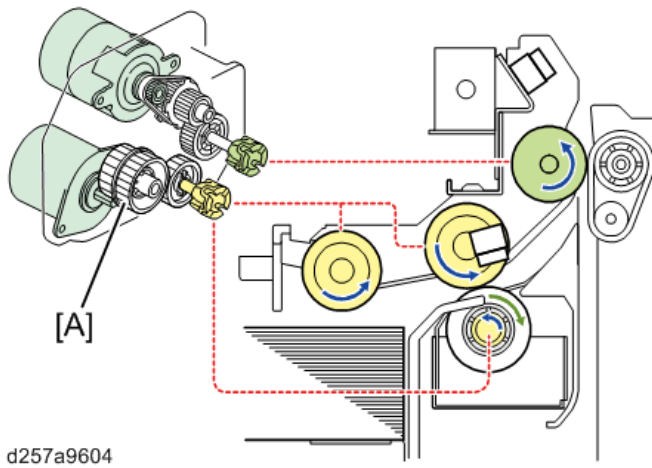
Feed/Separation

The paper feed motor [A] turns ON to drive the feed roller [B]. The feed roller rotates the pick-up roller [C] through the timing belt, and feeds the top sheet of paper. The paper feed motor also drives the separation roller [D], through the relay gear. The separation roller [D] rotates at the same time as the feed roller [B] due to the friction between the separation roller [D] and the feed roller [B].

The paper feed motor [A] drives the feed roller [B] via the timing belt [E].



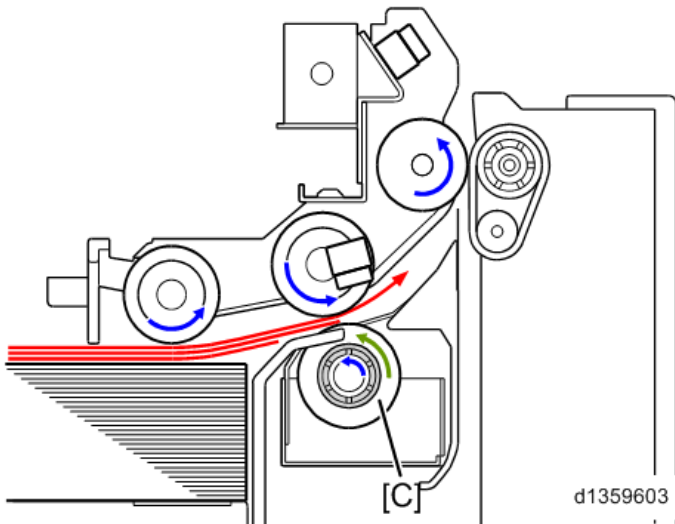
In the 2nd/3rd paper feed drive units of Pro C5200S/C5210S, the paper feed motor drives the feed roller via the gear [A] instead of the timing belt.



When two or more sheets of paper are fed, the separation roller [D] rotates in reverse to push back the lower sheet of paper to the tray.

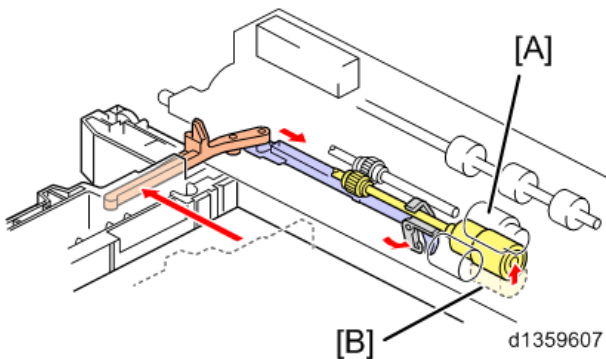
The fed paper is transported to the registration roller.

7.Detailed Descriptions



Separation Roller Contact

The separation roller [B] is separated from the feed roller [A] when the paper feed tray is removed. When the paper feed tray is installed, the separation roller [B] is pressed against the feed roller [A].

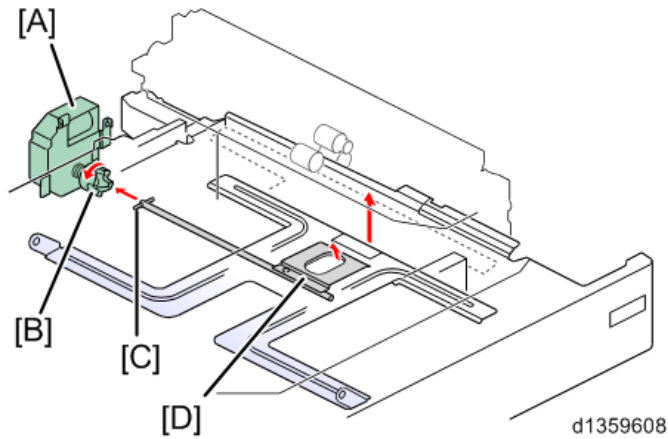


Tray Shift-up/down

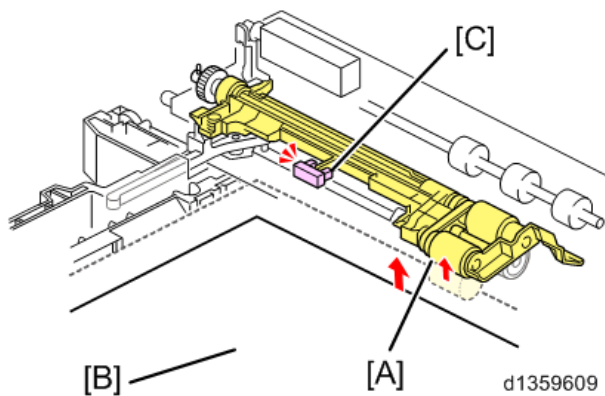
1. When the paper tray lift motor [A] on the rear side rotates, the coupling [B] engages with the pin [C] on the lift arm of the bottom plate, and then the arm rotates. The bottom plate [D] is raised by the rotation of the arm.

When the paper feed tray is removed, the engagement of the coupling [B] and the pin [C] is released. Then the bottom plate [D] falls down by its own weight.

The remaining amount of paper in the tray is detected by the angle of the paper tray lift motor rotation.

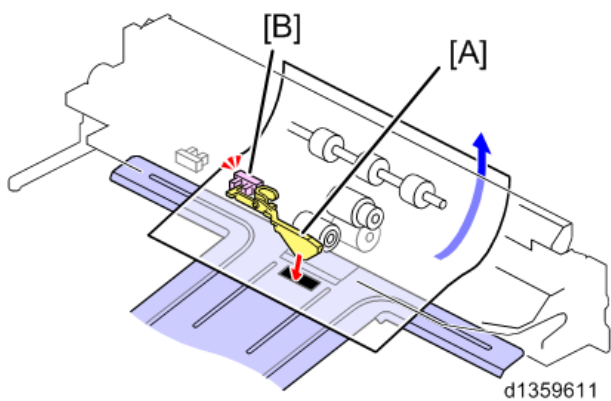


2. When the paper feed tray is installed, the pick-up roller [A] descends. If the bottom plate is raised in this state, the pick-up roller [A] is lifted by the top sheet of the paper in the tray. Then the actuator turns the paper tray upper lift sensor [C] OFF and the paper tray lift motor turns OFF. The top of the stack of paper in the tray lowers during copying/printing. When the paper tray upper lift sensor [C] is turned ON because of this, the paper tray lift motor turns ON again and lifts the paper [B].



Paper End Detection

When the paper in the paper feed tray runs out, the actuator [A] turns the paper end sensor [B] ON. Then paper end is detected.



Tandem Tray (1st Tray)

1. Paper Size Detection

The tandem tray cannot detect the size of the paper loaded in the tray. Therefore, you need to adjust the side fence and back fence, and then select the paper size in SP5-959-001.

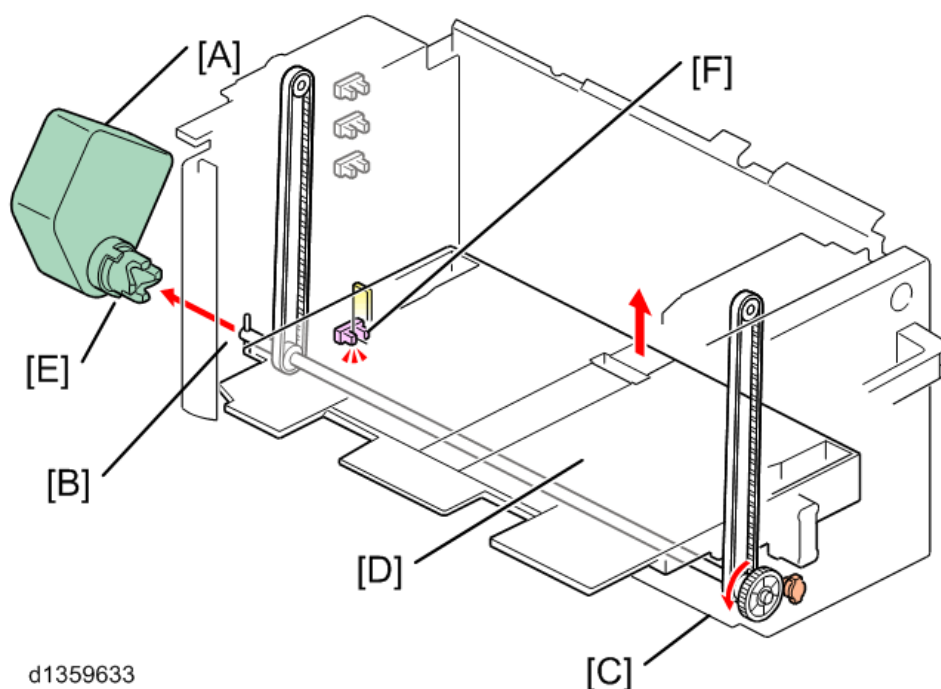
SP No.	SP Name	Default
SP5-959-001	Paper Size 1st Tray (Tandem)	NA: 0 (A4 LEF) EU, AP, CHN: 1 (8.5"x11" LEF)

2. Tray Shift-up/down

When the paper tray lift motor [A] on the rear side of the right tandem tray rotates, the coupling [E] engages with the pin [B] on the lift arm of the bottom plate, and then the arm rotates. Then the timing pulley [C] rotates and drives the timing belt. The bottom plate [D] is raised by the timing belt.

When the right tandem tray is withdrawn, the engagement of the coupling [E] and the pin [B] is released. Then the bottom plate [D] falls down by its own weight. A damper is installed to prevent the bottom plate from falling suddenly.

The upper limit of the bottom plate level is detected by the paper tray upper limit sensor attached to the pick-up roller assembly unit. The lower limit of the bottom plate level is detected by the paper tray lower limit sensor [F].

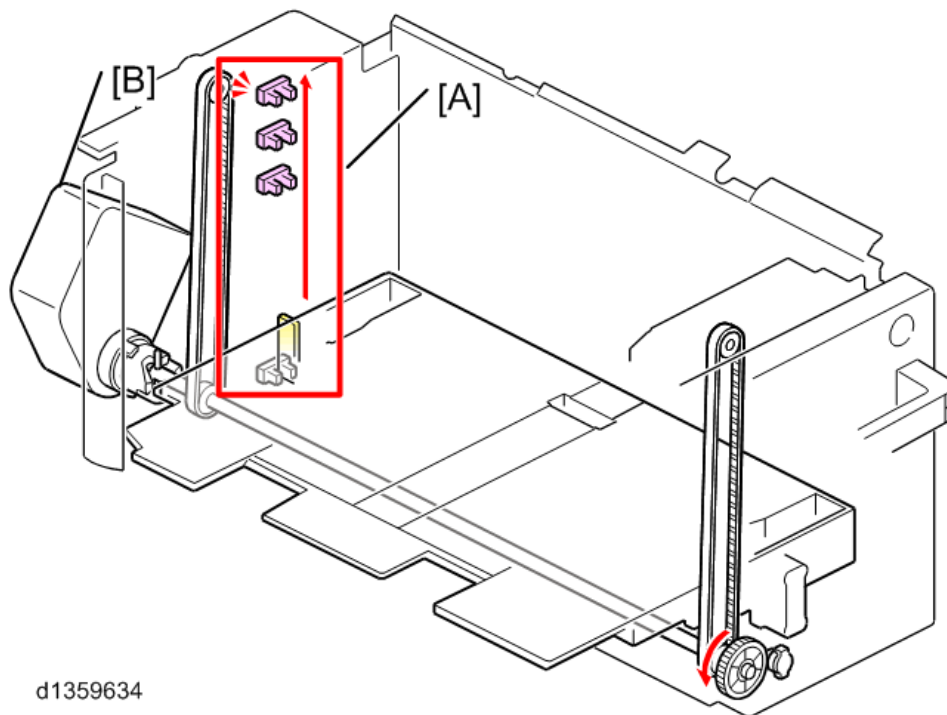


3. Remaining Paper Detection

The four sensors (paper height sensors 1,2,3 and paper tray lower limit sensor) [A] on the rear side of the tandem right tray detect the amount of paper remaining in the tray. After the paper tray lift motor [B] stops, the machine checks the sensors from the lower sensor to the upper sensor (remaining amount: 10%, 30%, 70%, and 100% in order). The determination of the remaining paper amount is made based on which sensor is interrupted first. Then the operation panel shows the remaining paper amount. If none of the four sensors

are interrupted, the panel shows that the remaining paper amount is 100%.

The paper end sensor detects when there is no paper in the right tray.



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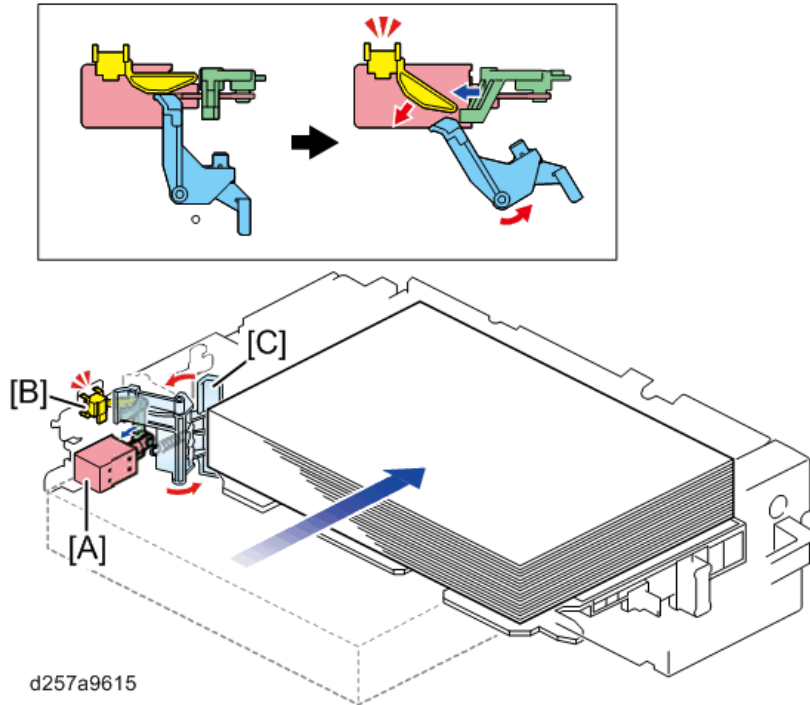
4. Right Tandem Tray End Fence Shift

When the paper in the right tandem tray runs out, the end fence rear solenoid [A] turns ON to open the rear end fence [C] if paper is set in the left tandem tray.

The paper is moved from the left tandem tray into the right tandem tray when the rear end fence [C] is opened. When the rear end fence [C] is completely opened, the rear end fence closed sensor [B] is turned OFF (interrupted). Then, after the paper is moved into the right tray, the end fence rear solenoid [A] turns OFF to close the rear end fence [C].

The rear end fence closed sensor [B] detects whether the rear end fence [C] is open or closed. If the rear end fence [C] is not closed, the operation panel asks the user to place the paper correctly in the tray.

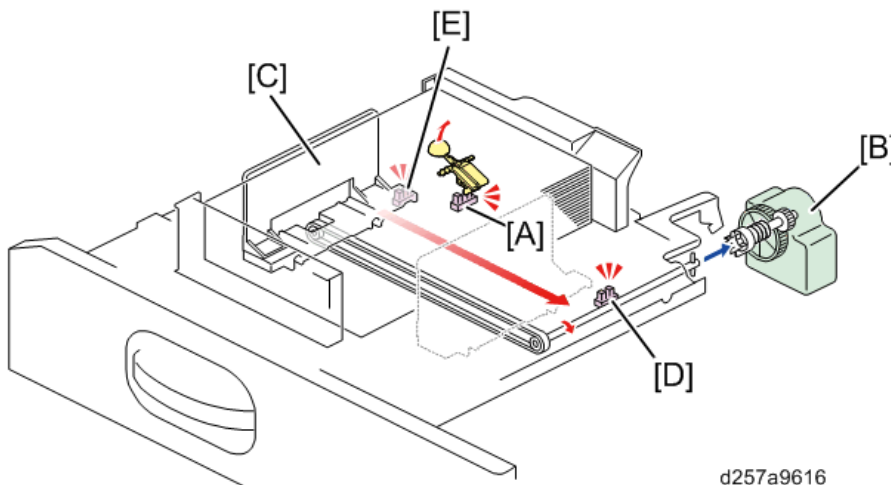
7.Detailed Descriptions



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5. Left Tandem Tray Back Fence Shift

When the paper end sensor in the right tandem tray detects paper end while the left tray paper sensor [A] in the left tandem tray detects that paper exists, the rear fence drive motor (DC motor) [B] turns ON at the same time as the rear end fence movement. Then the left tray back fence [C] pushes the stacked paper in the left tandem tray to the right tandem tray. When the rear fence return sensor [D] turns ON, the rear fence drive motor starts rotating in the reverse direction, until the rear fence home position sensor [E] detects the left tray back fence.

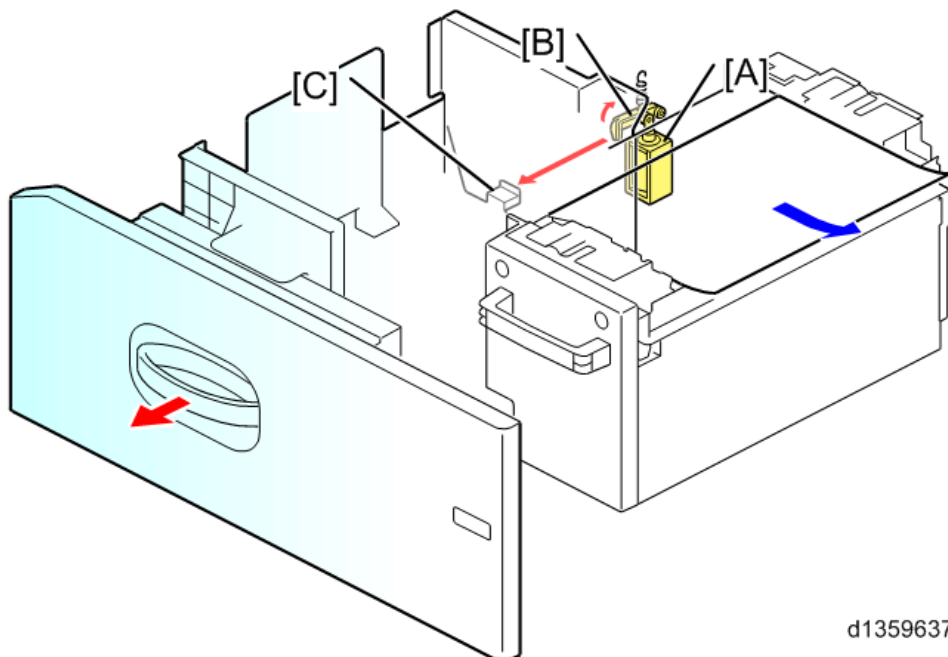


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6. Left Tray Lock

The left tandem tray cannot be withdrawn while the paper is being delivered from the left to the right tandem tray. When the machine starts delivering the paper from the left to the right tandem tray, the left tray lock solenoid [A] turns ON and the lock latch [B] hooks onto the hook [C] on the rear of the left tandem tray. After the paper has been delivered and the left tray back fence returns to the home position, the left tray lock solenoid [A] turns OFF and the latch [B] is released from the hook [C]. This mechanism prevents the tray

from being withdrawn while the paper is being delivered.

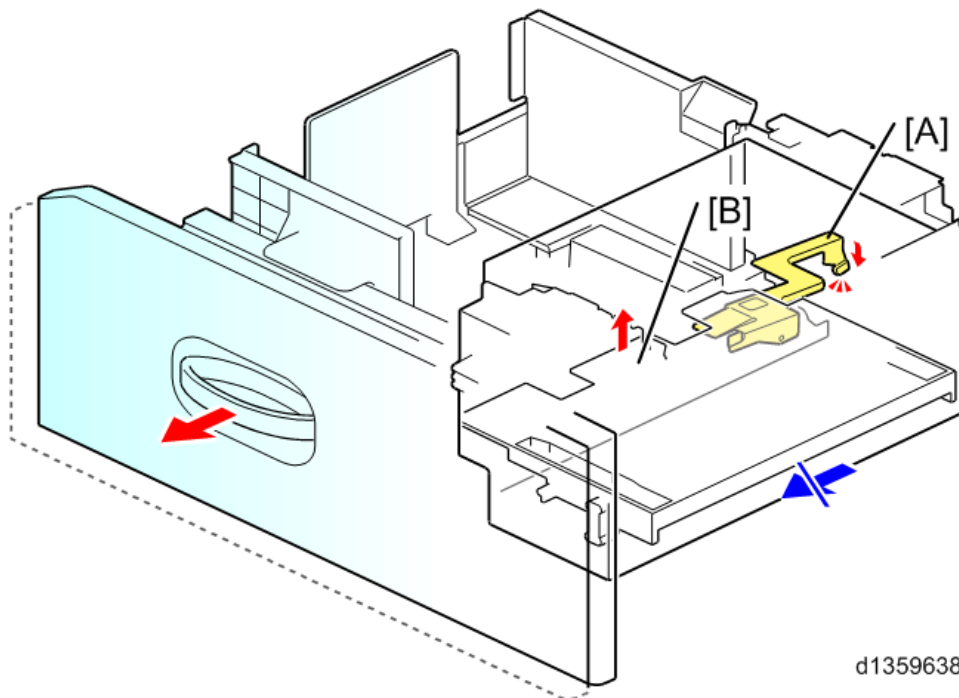


7. Right Tray Lock

When the bottom plate [B] of the right tray lifts from its lowest position, the joint lever [A] falls under its own weight and the right tray is locked.

When the bottom plate [B] is in the lowest position, the lock lever of the left tray latches onto the joint lever and both of the trays can be withdrawn at once.

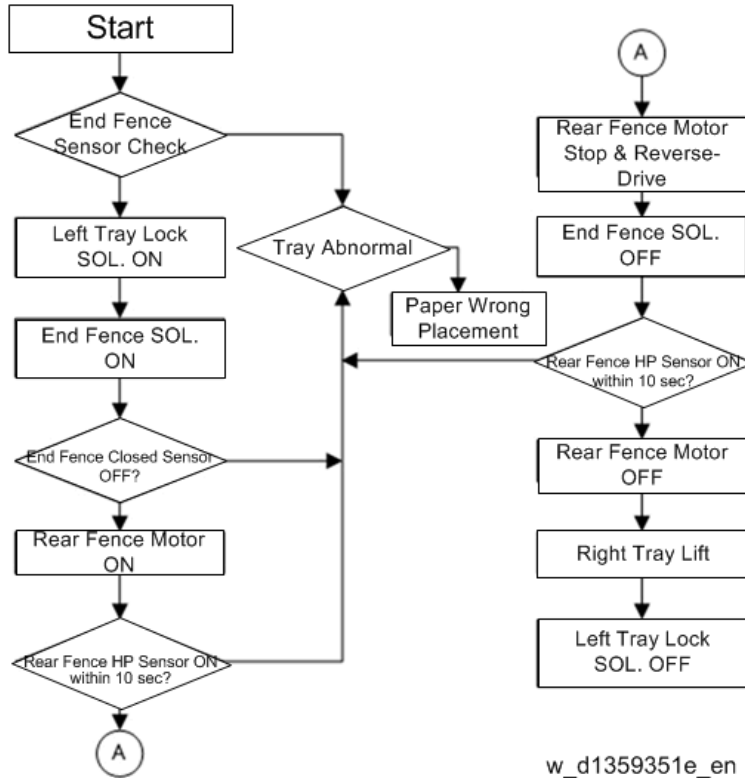
When the bottom plate [B] is being lifted or is at the feed position, the lock lever rises and only the left tray can be pulled out.



7. Detailed Descriptions

8. Tandem Operation

When the machine detects paper end in the right tandem tray during feeding or when lifting the bottom plate, the machine proceeds with the following operation after the bottom plate in the right tray reaches the lowest position, if there is paper in the left tandem tray.

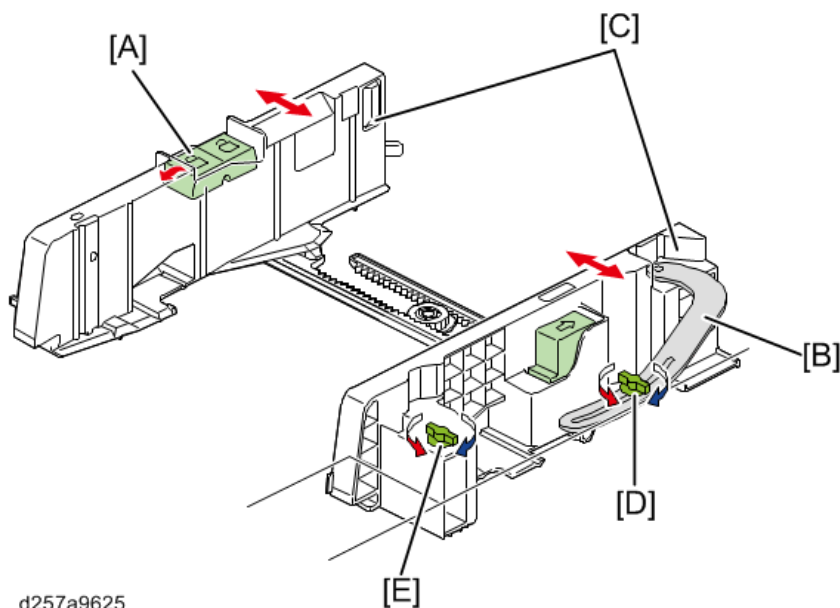


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Side Fence Lock Mechanism (2nd Tray-3rd Tray) (Pro C5200S/C5210S only)

Pro C5200S/C5210S has a lock lever [A] and a side fence support plate [B] to help feed the paper straight.

After adjusting the side fences [C] in accordance with the paper size, you need to lock the lock lever [A] to fix the side fence position. Furthermore, you can prevent the rattling of the side fences by tightening the shoulder screws [D] [E] of the side fence support plate [B].

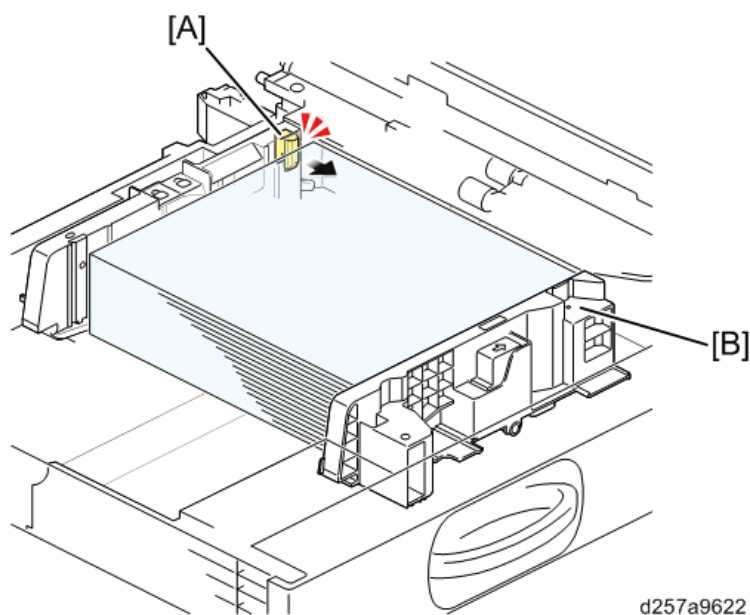


Note

- The side fence support plate [B] for MP C6503/C8003 is provided as a service part. For details about installing the side fence support plate for MP C6503/C8003, see "Link: 4. Replacement and Adjustment: Side Fence Support Plate"

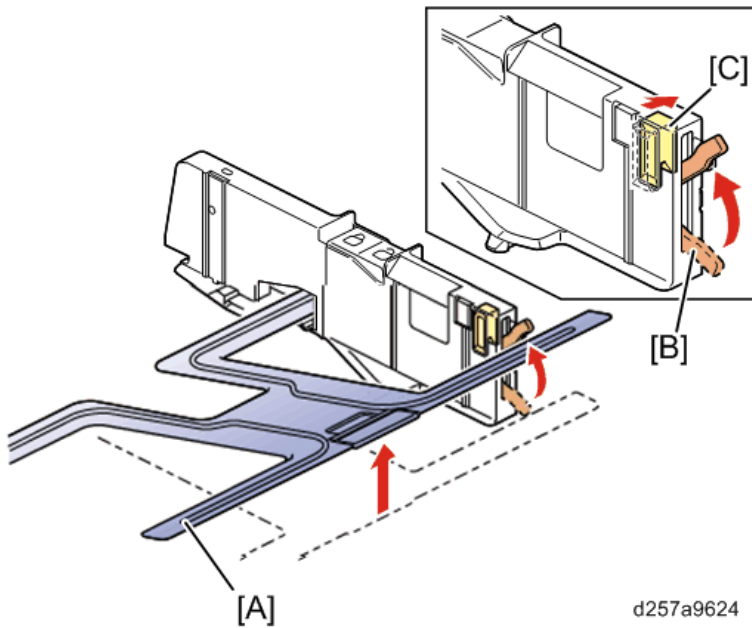
Paper Alignment (1st Tray-3rd Tray)

The paper feed tray has a pressure plate [A] on the rear side fence to help feed the paper straight. The pressure plate [A] pushes the paper towards the front side fence [B]. Therefore, the paper is drawn to the front side fence [B] and it is fed straight.



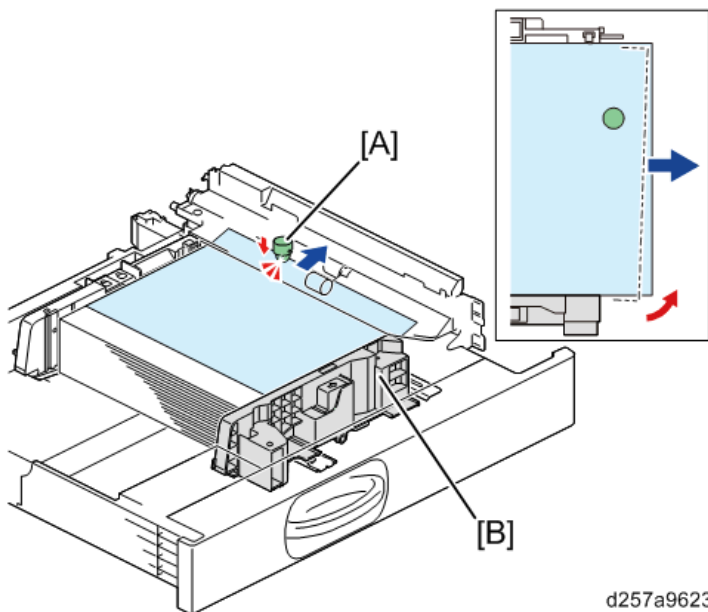
The bottom plate [A] is raised when the amount of remaining paper in the tray is reduced. In addition to this, Pro C5200S/C5210S has a lever [B] in the paper tray. When the bottom plate [A] rises, the lever [B] is pushed up, and the pressure from the pressure plate [C] is decreased.

7.Detailed Descriptions



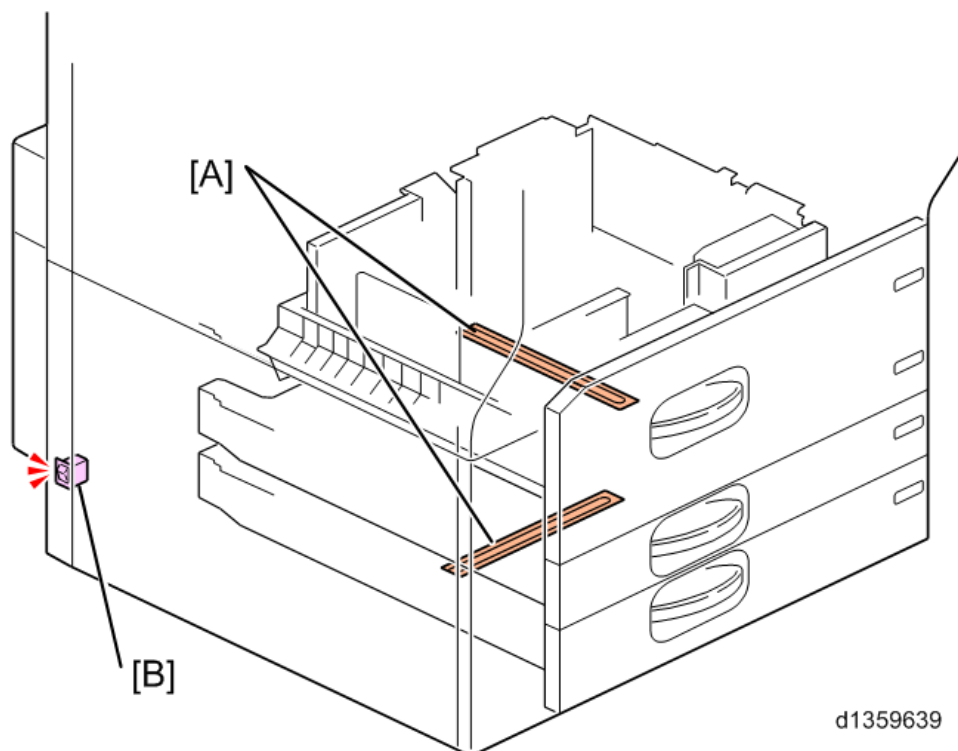
Friction Ball Mechanism (1st Tray-3rd Tray) (Pro C5200S/C5210S only)

Pro C5200S/C5210S has a friction ball [A] in the paper feed section to help feed the paper straight. The friction ball [A] applies a load to the upper side of the paper. The paper is drawn towards the front side fence [B] while the paper is feeding. This helps feed the paper straight.



Dehumidification Function

Tray heaters [A] are provided as service parts. They can be installed under the 3rd tray and the 1st tray. To use the heaters, turn on the heater switch [B] at the rear side of the machine. If SP5-965-001 is set to "0", the heaters are on independent of the ON/OFF status of the main power switch. If the scanner anti-condensation heater and the LCIT heaters (for RT4020 / RT4050) are also installed on the machine, those heaters are turned ON at the same time.



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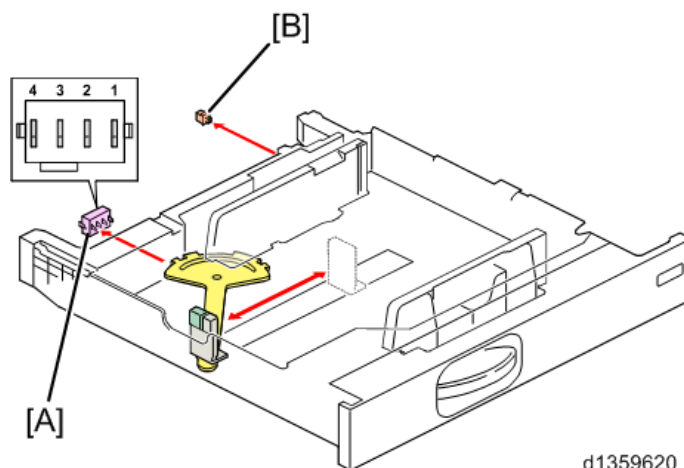
Note

For details about installing the heaters for paper feed trays, see [Tray Heater](#).

Paper Size Auto-detection

The machine detects the paper size automatically when the side fences and end fence are adjusted. The status of the side fences and end fence affect the paper size sensors [A]. The machine figures out the paper size from the switch combination of the paper size sensors, and then shows it on the operation panel. The relation between the switch combination and the detected size is shown below.

The machine has a paper tray set sensor [B] on the right rear side of the paper tray.



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0: Switch OFF (Sensor Output: H)

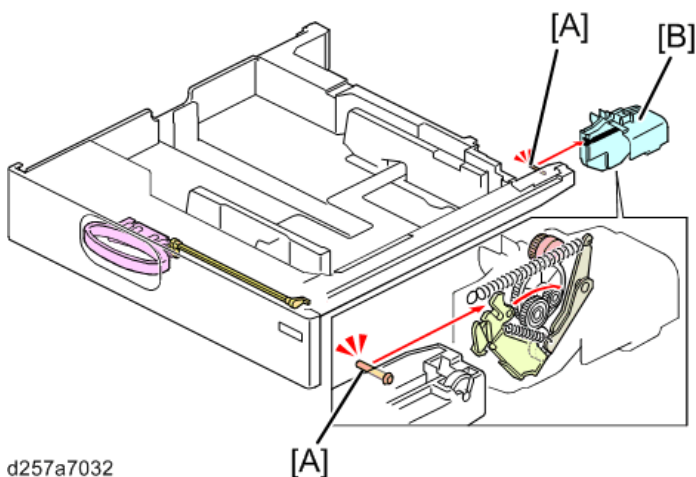
7.Detailed Descriptions

1: Switch ON (Sensor Output: L)

Destination				Board Information			
JPN	NA	EU	ASIA	Knob 4	Knob 3	Knob 2	Knob 1
13"×19"	13"×19"	13"×19"	13"×19"	1	1	0	1
SRA3 (12"×18")	12"×18" (SRA3)	SRA3 (12"×18")	SRA3 (12"×18")	1	0	1	0
A3 (DLT)	DTL (A3)	A3 (DLT)	A3 (DLT)	0	1	0	0
B4 (LG)	LG (B4)	B4 (LG)	B4 (LG)	0	0	1	1
				0	1	1	1
A4 SEF	A4 SEF	A4 SEF	A4 SEF	1	1	1	0
LT SEF	LT SEF	LT SEF	LT SEF	1	1	0	0
B5 SEF	B5 SEF	B5 SEF	B5 SEF	1	0	0	0
A4 LEF (LT LEF)	A4 LEF (LT LEF)	A4 LEF (LT LEF)	A4 LEF (LT LEF)	0	0	0	1
B5 LEF (Exe_LEF)	B5 LEF (Exe LEF)	B5 LEF (Exe LEF)	B5 LEF (Exe LEF)	0	0	1	0
A5 LEF (HLT LEF)	A5 LEF (HLT LEF)	A5 LEF (HLT LEF)	A5 LEF (HLT LEF)	0	1	0	1

Tray Pull-in Mechanism

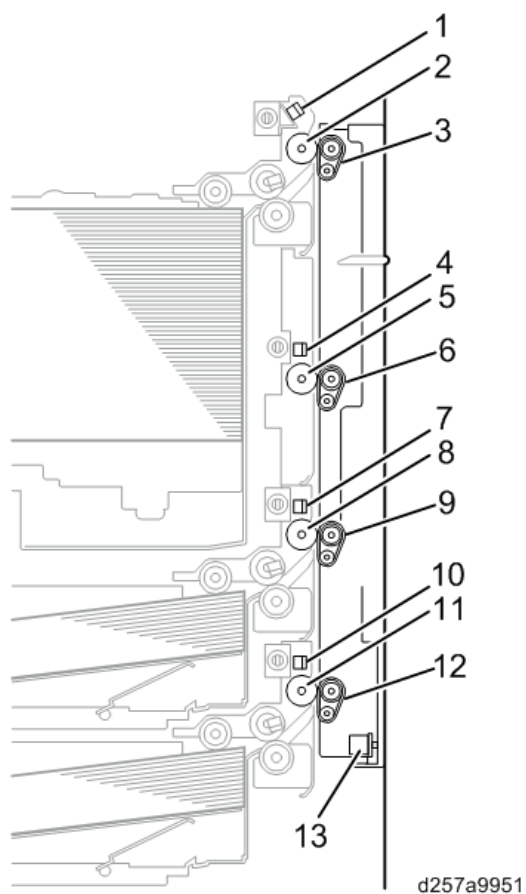
The pin [A] on the right rear side of a paper tray is pulled in by the pull-in lever in the lever unit [B] when the paper tray is inserted in the machine, and then the paper tray is pulled in.



Vertical Transport

Mechanism Descriptions

Component Layout

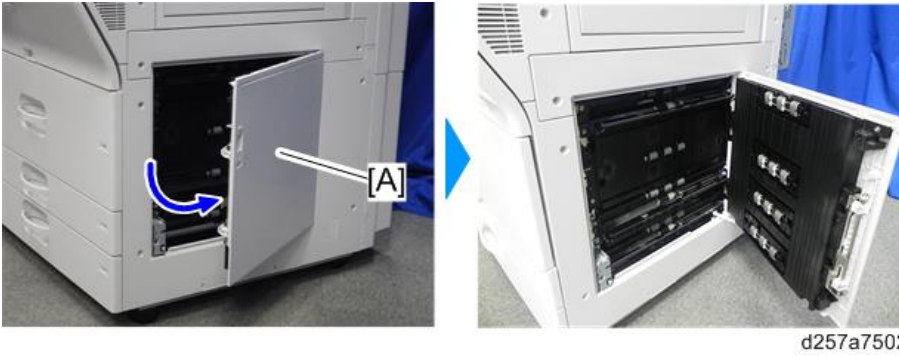


No.	Description	No.	Description
1	1st Transport Sensor	8	3rd Transport Roller
2	1st Transport Roller	9	3rd Driven Belt
3	1st Driven Belt	10	4th Transport Sensor
4	2nd Transport Sensor	11	4th Transport Roller
5	2nd Transport Roller	12	4th Driven Belt
6	2nd Driven Belt	13	Vertical Transport Door Switch
7	3rd Transport Sensor		

Mechanism Details

The vertical transport is integrated with the outer cover in this machine. This makes it easier to remove the jammed paper by opening the vertical transport door [A].

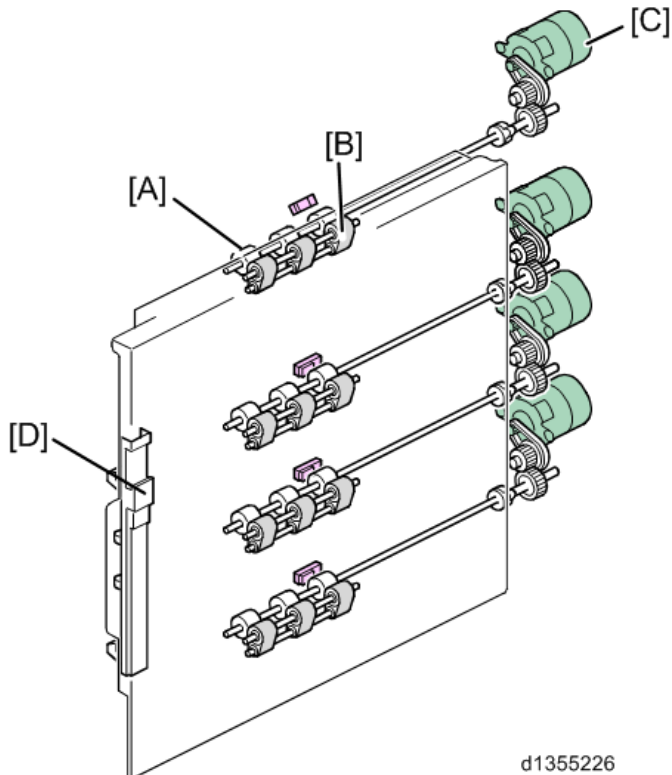
7.Detailed Descriptions



Each paper feed unit built into the main machine has vertical transport rollers [A]. The vertical transport motor [C] drives the vertical transport roller shaft.

The vertical transport door is held by the support pin. When the vertical transport door is closed, the vertical transport door lever [D] is locked.

Driven belts [B] are installed opposite each vertical transport roller [A]. A spring under pressure brings the driven belts [B] into pressure contact with the vertical transport rollers [A].



By-pass Tray Unit

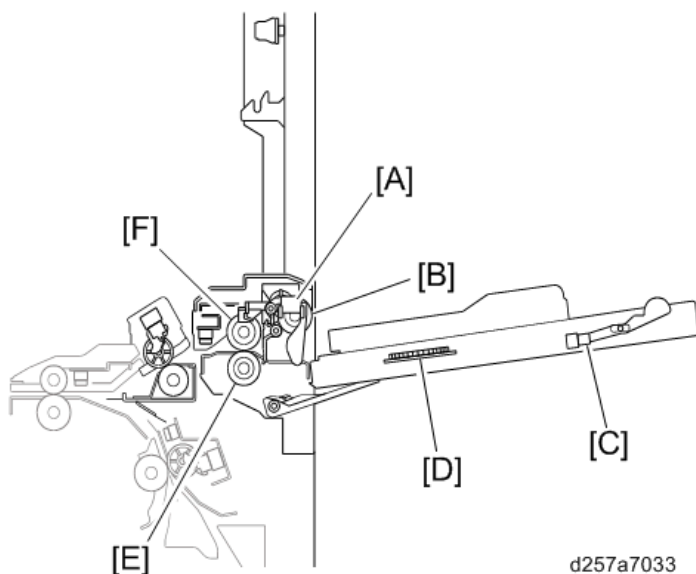
Mechanism Descriptions

Component Layout

The big differences between MP C6503/C8003 and Pro C5200S/C5210S are as follows.

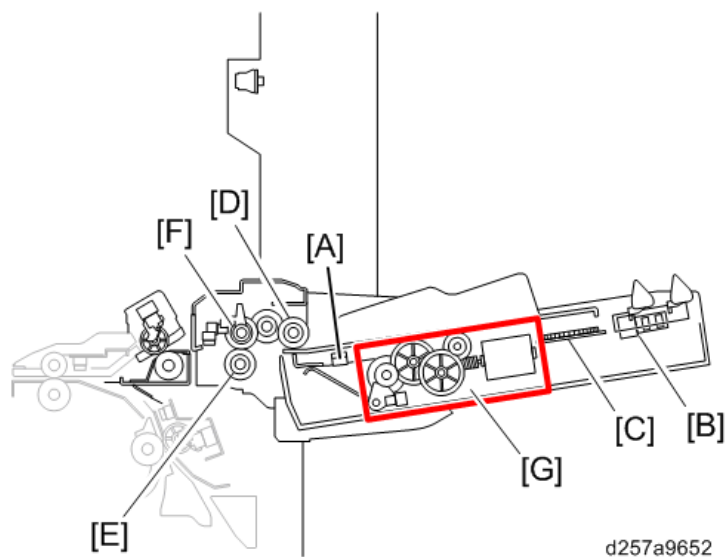
- The location of the bypass tray paper end sensor [A] is different.
- The bypass tray of Pro C5200S/C5210S has a bottom plate lift mechanism [G].

MP C6503/C8003



No.	Description	No.	Description
[A]	Bypass tray paper end sensor	[D]	Bypass paper width sensor
[B]	Bypass pick-up roller	[E]	Bypass separation roller
[C]	Bypass paper length sensor	[F]	Bypass feed roller

Pro C5200S/C5210S



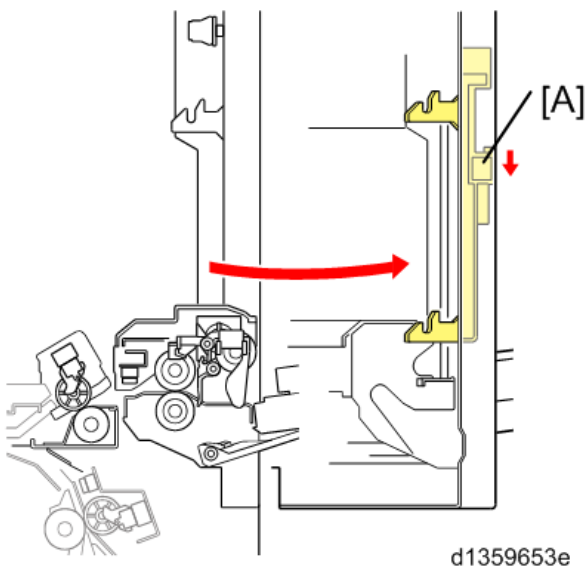
7.Detailed Descriptions

No.	Description	No.	Description
[A]	Bypass tray paper end sensor	[E]	Bypass separation roller
[B]	Bypass paper length sensor	[F]	Bypass feed roller
[C]	Bypass paper width sensor	[G]	Bottom plate lift mechanism
[D]	Bypass pick-up roller		

Mechanism Details

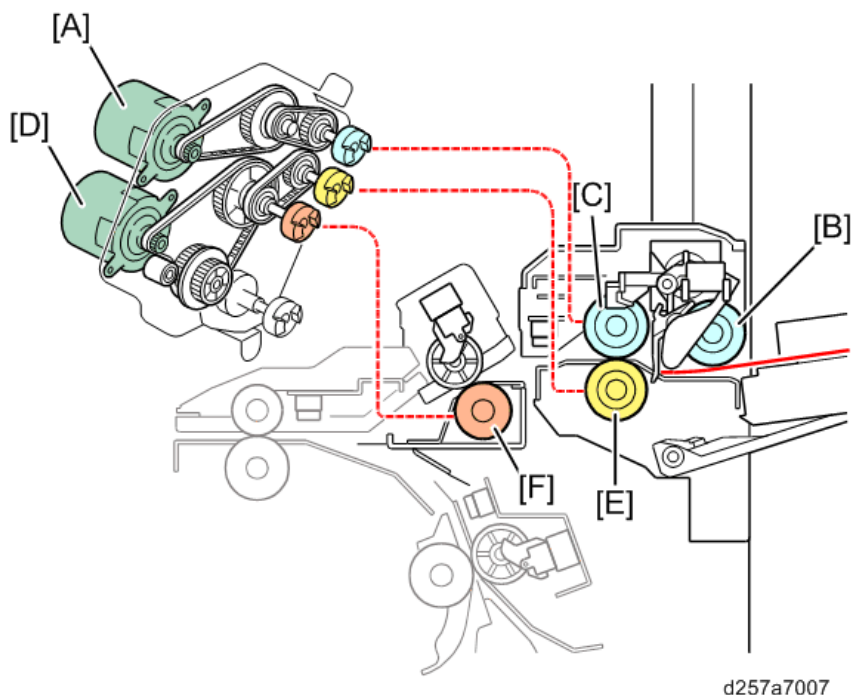
Bypass Tray Unit Open/Close

The bypass tray unit can be opened by pushing down the bypass release lever [A]. This mechanism prevents the jammed paper from tearing into pieces when removing the paper.



Paper Feed/Transport Drive

Feed and separation in the bypass tray are controlled by two motors. The bypass feed motor [A] drives bypass pick-up roller [B] and the bypass feed roller [C]. The relay motor [D] drives the bypass separation roller and the relay roller.



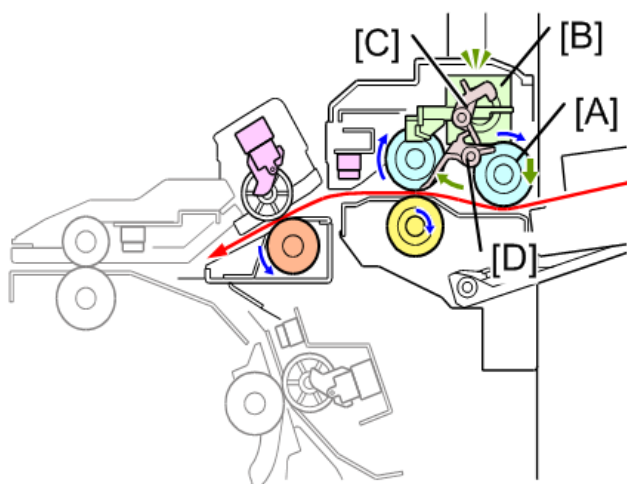
Pick-up/Feed

The FRR method is the paper separation method in this machine.

Only for MP C6503/C8003, the bypass pick-up roller [A] has a stopper [D]. The bypass pick-up roller [A] is shifted up/down by the bypass pick-up solenoid [B]. When the bypass pick-up solenoid [B] turns ON, the bypass pick-up roller [A] is shifted down. The lever [C] that locks the paper stopper [D] is moved and the paper stopper [D] is released. The paper can pass through between the bypass feed roller and the bypass separation roller in this state.

When the paper stopper [D] is locked, the paper cannot pass through between the bypass feed roller and the bypass separation roller.

The paper stopper [D] is released whenever the bypass pick-up roller [A] is shifted down and one sheet of paper is fed. The fed paper is transported between the bypass feed roller and the bypass separation roller without being interrupted by the paper stopper [D].

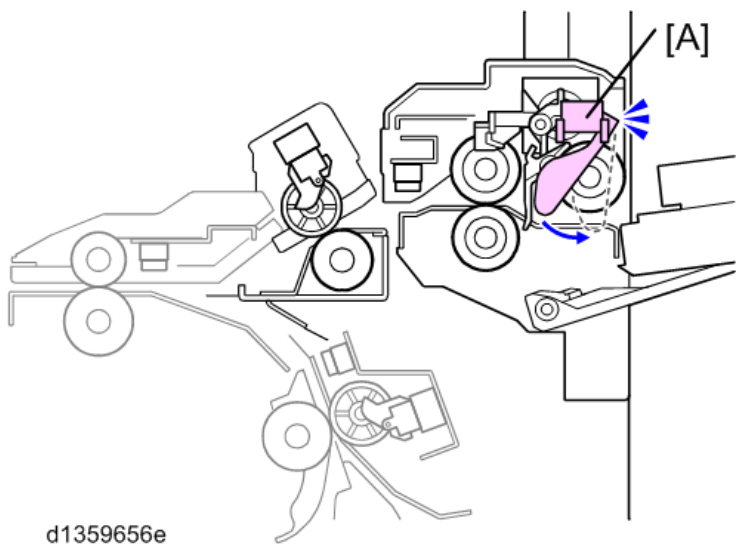


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Bypass Paper End Detection

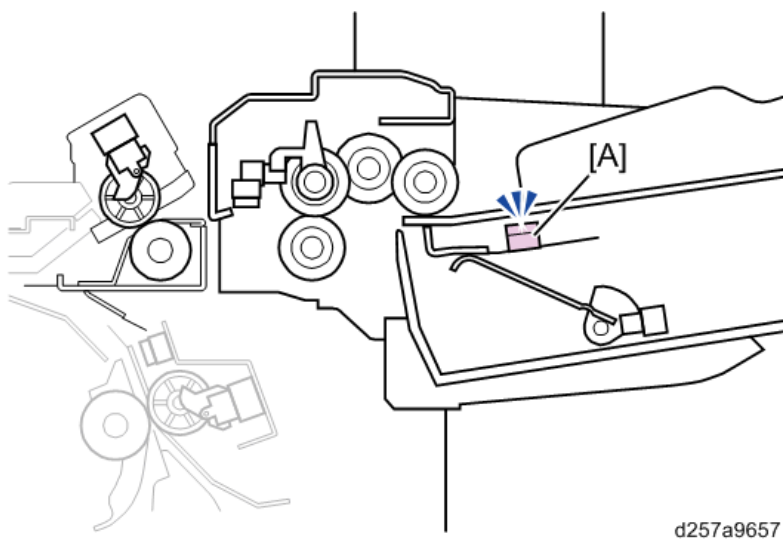
MP C6503/C8003

The bypass tray paper end sensor [A] has a feeler. When the paper in the bypass tray runs out, the feeler moves forward and its upper end interrupts the bypass tray paper end sensor [A]. Then the machine detects paper end.



Pro C5200S/C5210S

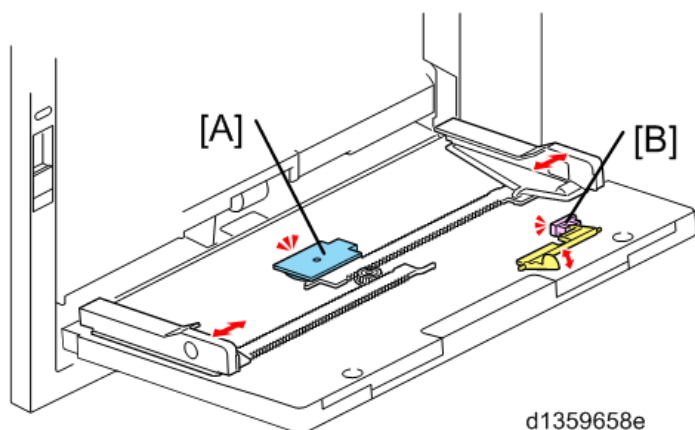
The bypass bottom plate has a bypass tray paper end sensor [A], which is a reflective photo sensor. When there is paper in the bypass tray, the bypass tray paper end sensor [A] is turned ON (interrupted). When the paper in the bypass tray runs out, the bypass tray paper end sensor [A] is turned OFF (not interrupted). Then the machine detects paper end.



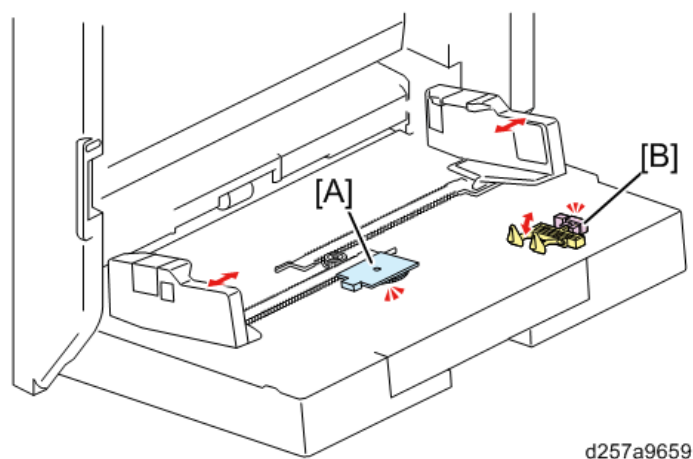
Paper Size Detection

The paper size is detected by the bypass paper width sensor [A] and the bypass paper length sensor [B].

MP C6503/C8003



Pro C5200S/C5210S



Detected Size			Sensor Output Signal					
JPN	NA	Except JPN/NA	Bypass Paper Width Sensor					Bypass Paper Length Sensor
			CN1	CN2	CN3	CN4	CN5	0N: 0 (Not interrupted) OFF: 1 (interrupted)
Letter SEF	HLT SEF	A6 SEF	0	1	1	1	1	0
B6 SEF		B6 SEF	0	0	1	1	1	1
A5 SEF		A5 SEF	1	0	1	1	1	0
B5 SEF	B5 SEF	B5 SEF	1	0	0	1	1	1
A4 SEF	LT SEF LG SEF	A4 SEF	1	1	0	1	1	0
A5 SEF		HLT LEF						
B4 SEF	DLT SEF	B4 SEF	1	1	0	0	1	0
B5 LEF	LT LEF	B5 LEF						
A3 SEF	DLT SEF	A3 SEF	1	1	0	0	0	0
A4 LEF	LT LEF	A4 LEF						

7.Detailed Descriptions

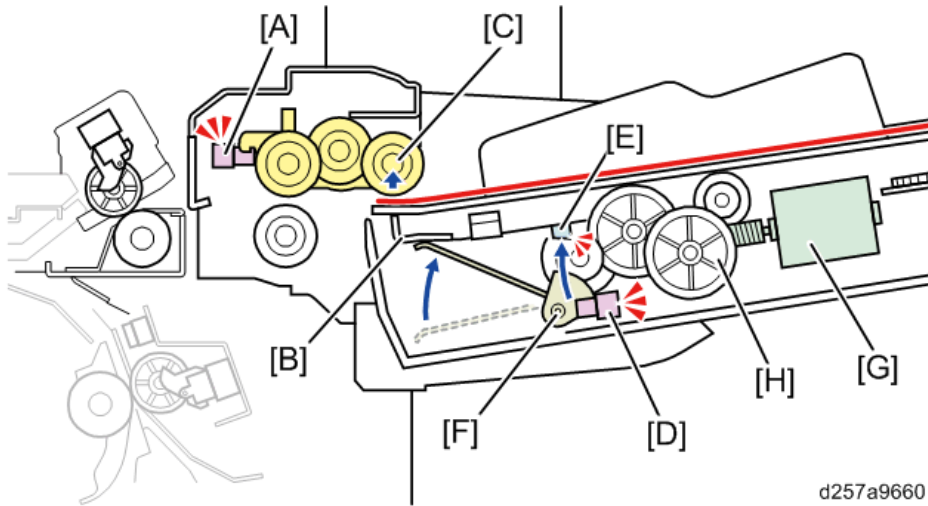
A3 SEF	12"×18" SEF	A3 SEF	1	1	1	0	0	0
A4 LEF	LT LEF	A4 LEF		1				
SRA3 SEF	SRA3 SEF	SRA3 SEF	1	1	1	0	1	0
A4 LEF	LT LEF	A4 LEF		1				
13"×19" SEF	13"×19" SEF	13"×19" SEF	1	1	1	1	1	0
A4 LEF	LT LEF	A4 LEF		1				

Bypass Bottom Plate Lift (Pro C5200S/C5210S only)

When the bypass pick-up roller [C] is lifted due to the elevation of the bottom plate [B], the actuator interrupts the bypass tray upper limit sensor [A]. Then the machine detects the elevation of the bottom plate [B].

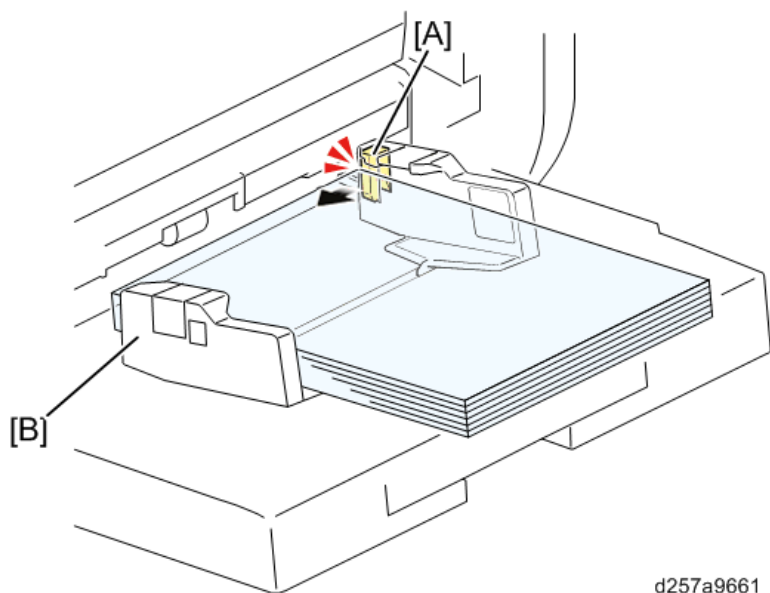
When the bottom plate [B] is lowered and returned to the home position, the projection [E] on the back of the bottom plate interrupts the bypass tray lower limit sensor [D]. Then the machine detects the lowering of the bottom plate [B].

The bottom plate is lifted and lowered by the bypass tray lift motor [G] via the gears [H] and the lever [F].



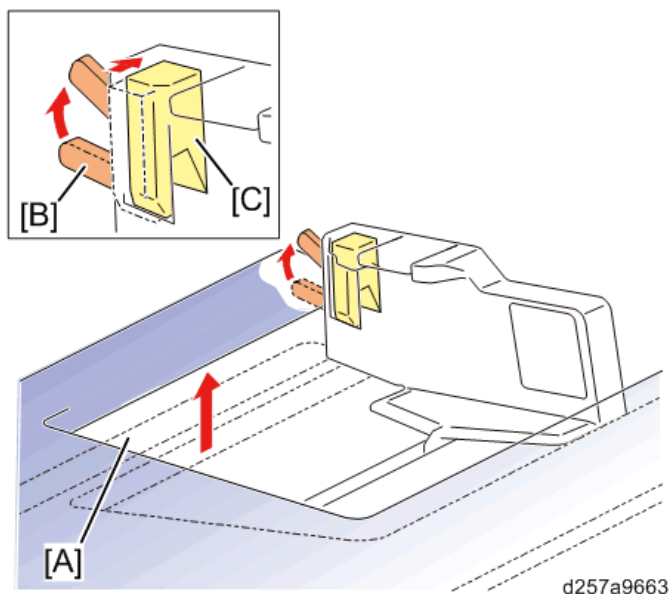
Paper Alignment

The pressure plate [A] on the rear side fence helps to feed the paper straight. The pressure plate [A] pushes the paper towards the front side fence [B]. Therefore, the paper is drawn to the front side fence [B] and it is fed straight.



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Pro C5200S/C5210S has the bottom plate [A] and the lever [B]. The bottom plate [A] is raised when the paper is used up. When the lever [B] is pushed up by the elevation of the bottom plate [A], the pressing force of the pressure plate [C] is decreased.



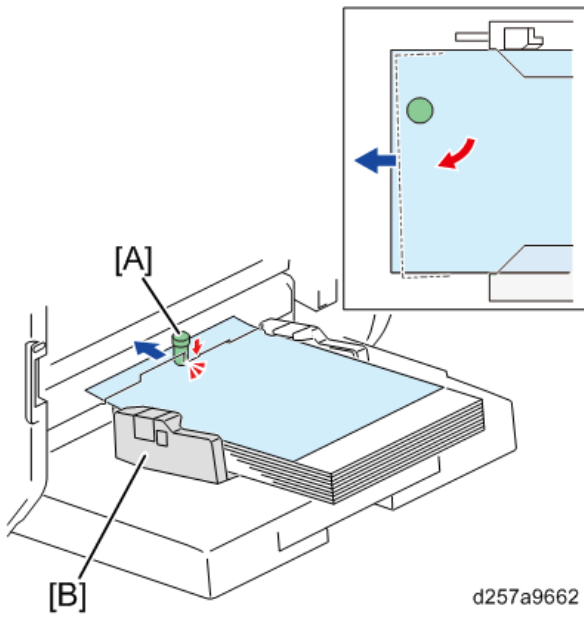
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Friction Ball Mechanism (Pro C5200S/C5210S only)

Pro C5200S/C5210S has a friction ball [A] in the bypass tray section to help feed paper straight. The friction ball [A] applies a load to the paper from above.

The paper rotates and is drawn towards the front side fence [B] since a load is applied from above while the paper is feeding. This mechanism helps feed the paper straight.

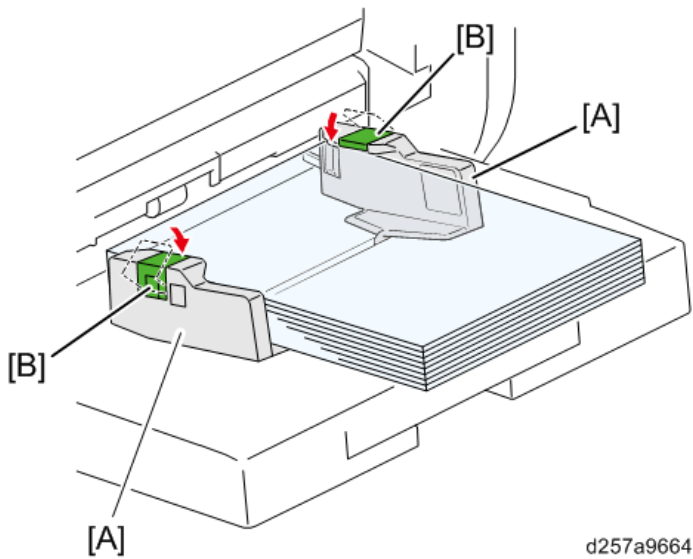
7.Detailed Descriptions



Side Fence Lock Mechanism (Pro C5200S/C5210S only)

Pro C5200S/C5210S has lock levers [B] on the side fences [A] in order to help feed paper straight.

After adjusting the side fences [A] in accordance with the paper size, you need to lock the lock levers [B] to fix the side fence position.

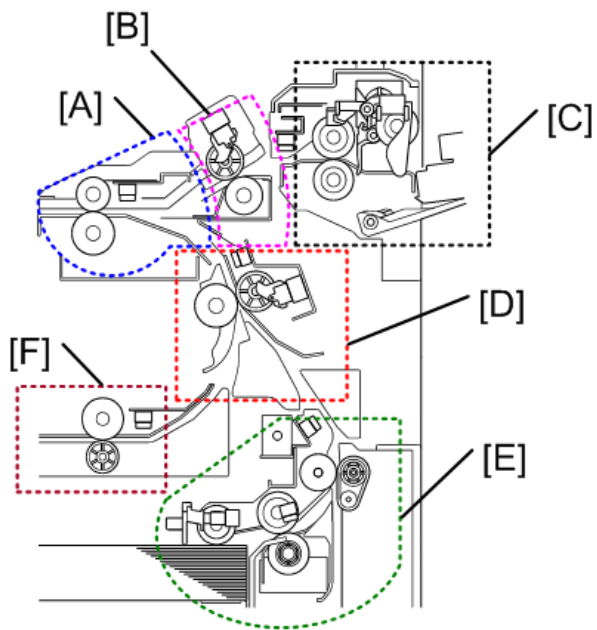


Paper Registration

Mechanism Descriptions

Component Layout

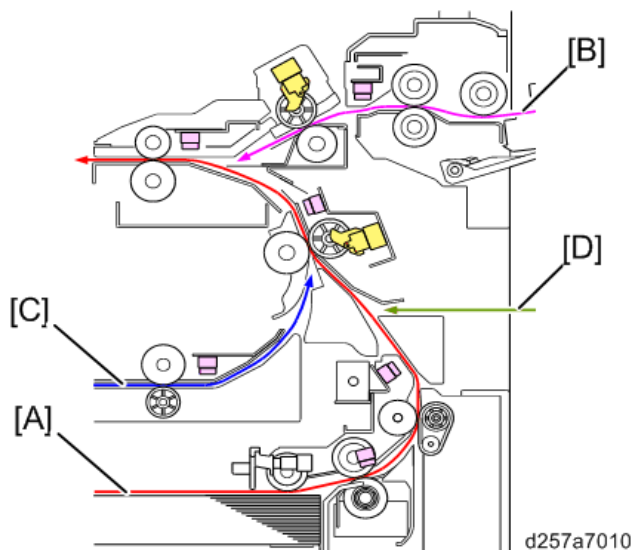
General Layout



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No.	Description	No.	Description
[A]	Registration Section	[D]	Relay Transport Section
[B]	Bypass Relay Transport Section	[E]	Bank Feed Section
[C]	Bypass Feed Section	[F]	Duplex Transport Section (horizontal transport path)

Transport Path Layout

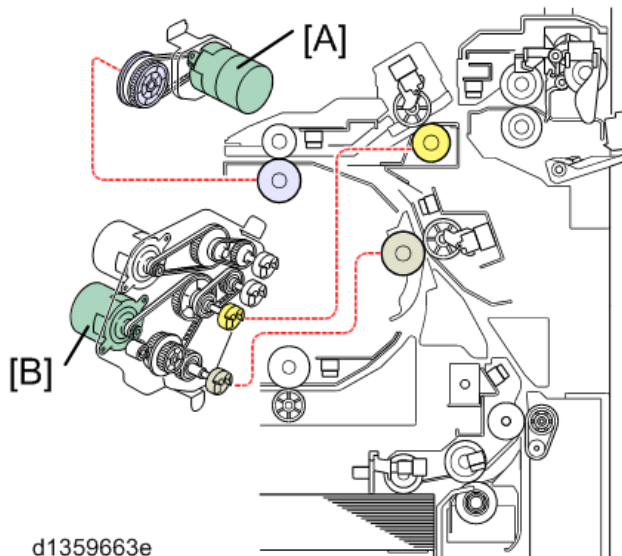


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7.Detailed Descriptions

No.	Description	No.	Description
[A]	Bank Paper Path	[C]	Duplex Paper Path
[B]	Bypass Paper Path	[D]	LCIT (option) Paper Path

Drive Layout



No.	Description	No.	Description
[A]	Registration Motor	[B]	Relay Motor

Mechanism Details

Registration

Registration Transport

The paper from the bank/LCIT (option)/duplex transport section is transported to the registration section through the relay transport section.

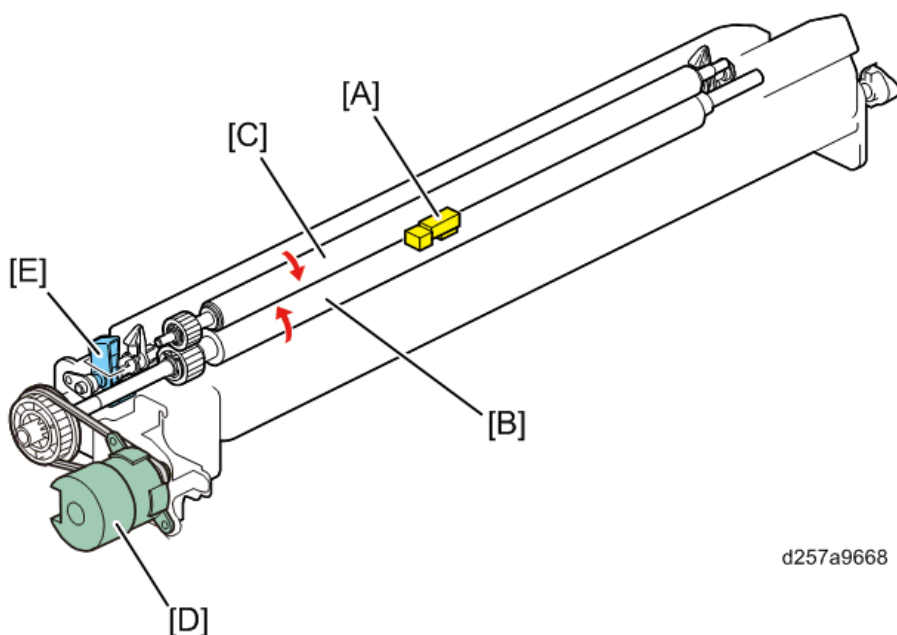
The paper from the bypass feed section is transported to the registration section through the bypass relay transport section. The bypass relay transport section is located in the registration unit.

When the registration sensor [A] detects the leading edge of the paper, the relay motor starts to slow down.

After the leading edge of the paper hits the registration rollers [B] [C] for the skew correction, the relay motor stops. Then the registration motor [D] starts to drive the registration rollers [B] [C], to feed the paper into the machine. (For details about the adjustment of the paper buckle, see "Skew Correction" in this section. For details about the adjustment of the transport timing, see "Leading Edge Registration" in this section.)

The registration mechanism is driven by a single motor [D], so this machine does not have a registration clutch. This prevents shock-jitter which occurs when a registration clutch turns ON.

When a paper jam occurs, lever [E] separates the upper registration roller (idle) [C] from the lower registration roller (drive) [B] to let the user easily remove the jammed paper.



Skew Correction

The leading edge of the paper is made to hit the registration rollers and the paper buckles in order to be aligned for the skew correction.

If the paper buckle is too small, the whole width of the paper leading edge does not hit the registration rollers.

Then the paper skew is not corrected completely. The paper buckle can be adjusted with SP1-004-001 to 012.

SP No.	SP Name	Value
SP1-004-001	Reg Buckle Adj: Tray1	-5 to 5 mm
SP1-004-002	Reg Buckle Adj: Bypass Tray	-5 to 5 mm
SP1-004-003	Reg Buckle Adj: Duplex	-5 to 5 mm
SP1-004-004	Reg Buckle Adj: LCIT	-5 to 5 mm
SP1-004-005	Reg Buckle Adj: Thick 1	-5 to 5 mm
SP1-004-006	Reg Buckle Adj: Thick 2	-5 to 5 mm
SP1-004-007	Reg Buckle Adj: Thick 3	-5 to 5 mm
SP1-004-008	Reg Buckle Adj: Thick 4	-5 to 5 mm
SP1-004-009	Reg Buckle Adj: Thick 5	-5 to 5 mm
SP1-004-010	Reg Buckle Adj: Tray2	-5 to 5 mm
SP1-004-011	Reg Buckle Adj: Tray3	-5 to 5 mm
SP1-004-012	Reg Buckle Adj: Tray4	-5 to 5 mm

Leading Edge Registration

The leading edge registration is made by adjusting the paper transport timing of the registration rollers. This registration method is same as that of MP C6000/C7000.

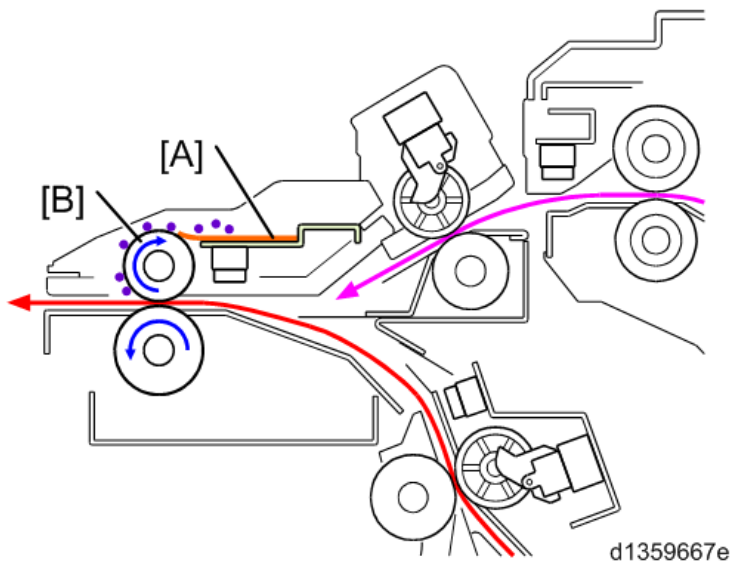
The registration rollers stop the paper and adjust the timing for feeding the paper into the machine order to match the positions of the paper and the image on the transfer belt. The leading edge registration can be adjusted by SP1-

7.Detailed Descriptions

001-001 to 016 (Lead Edge Reg).

Paper Dust Collection

The dust collection sheet [A] is attached to the upper registration roller (idle) [B]. The dust collection sheet [A] stays in contact with the upper registration roller (idle) all the time. This decreases the amount of paper dust that falls into the machine.



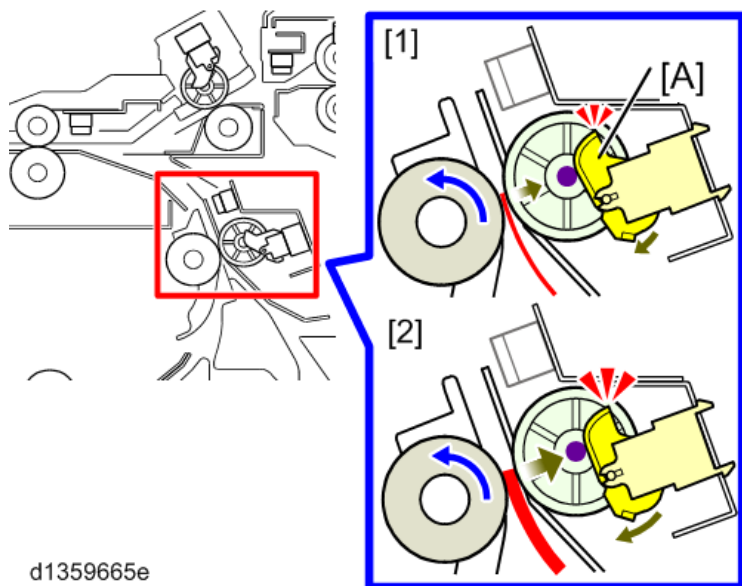
Paper Thickness, Double Feed Detection

The best conditions for image transfer and fusing depend on paper thickness and paper type. Therefore, it is important to select the correct paper thickness on the operation panel for high quality printing. Also, fusing failure or paper jam can occur if the paper thickness is different from the one selected on the operation panel.

For the above reasons, this machine has a paper thickness/double feed detection feature to prevent problems caused by selecting the wrong paper thickness on the operation panel.

Basic Operation

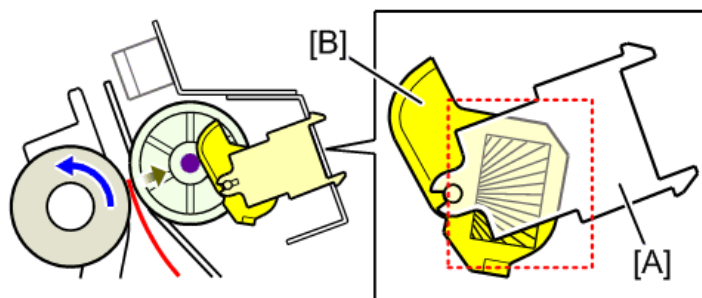
The paper type sensor (lever-type encoder sensor) [A] measures the thickness of the paper. Then the machine uses the measurement results to check that the paper thickness is correct and that there is no double feed. If the paper thickness is different or a double feed has occurred, the machine stops feeding the paper.



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No.	Description	No.	Description
[1]	When thin paper passes	[2]	When thick paper passes

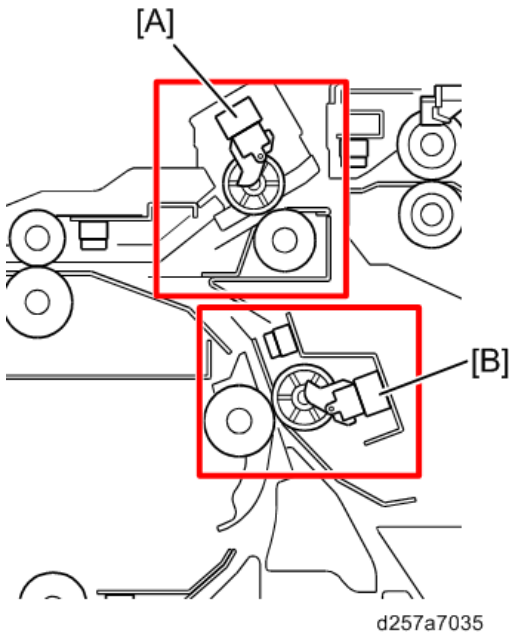
The paper type sensor [A] detects the rotation amount of the lever [B], and then checks if the paper thickness is correct and that there is no double feed.



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There are two paper type sensors. One is installed in the bypass relay transport section and the other is in the relay transport section. The paper type sensor [A] in the bypass relay transport section detects the thickness of the paper transported from the bypass tray. The paper type sensor [B] in the relay transport section detects the thickness of the paper transported from the bank feed section/LCIT (option)/duplex transport section.

7.Detailed Descriptions



Paper Removal Method

If the machine detects the wrong paper thickness or a double feed, you can remove the paper in the same way as the usual jam removal operation. You need to do the following after removing the paper.

- If the machine detected the wrong paper thickness:
Change the paper in the paper tray, so that the thickness of the paper in the tray matches the one selected on the operation panel.
-or-
Change the paper thickness on the operation panel, so that the paper thickness selected on the operation panel matches the one in the paper tray.
- If the machine detected a double feed:
Fan the stack of paper in the paper tray.

Paper Thickness Detection

After the first sheet of paper reaches the paper thickness measurement section, the paper type sensor measures the paper thickness and the machine compares the measurement result and the paper thickness selected on the operation panel (Tray Setting).

If the measured thickness is not within the allowable range as shown in the table below, the machine determines that the paper thickness is wrong, and stops feeding the paper. Then J098 (JAM) is displayed on the operation panel.

Alert		Paper Thickness Measurement Result								
		Thin	Plain 1	Plain 2	Middle Thick	Thick 1	Thick 2	Thick 3	Thick 4	Thick 5
Tray Setting	Thin	-				JAM	JAM	JAM	JAM	JAM
	Plain 1		-				JAM	JAM	JAM	JAM

7.Detailed Descriptions

	Plain 2			-				JAM	JAM	JAM
	Middle Thick				-				JAM	JAM
	Thick 1	JAM				-				JAM
	Thick 2	JAM	JAM				-			
	Thick 3	JAM	JAM	JAM				-		
	Thick 4	JAM	JAM	JAM	JAM				-	
	Thick 5	JAM	JAM	JAM	JAM	JAM				

Alert		Paper Thickness Measurement Result								
		Thickn ess 1	Thickn ess 2	Thickn ess 3	Thickn ess 4	Thickn ess 5	Thickn ess 6	Thickn ess 7	Thickn ess 8	Thickn ess 9
Tray Setti ng	Thickn ess 1	-				JAM	JAM	JAM	JAM	JAM
	Thickn ess 2		-				JAM	JAM	JAM	JAM
	Thickn ess 3			-				JAM	JAM	JAM
	Thickn ess 4				-				JAM	JAM
	Thickn ess 5					-				JAM
	Thickn ess 6	JAM					-			
	Thickn ess 7	JAM	JAM					-		
	Thickn ess 8	JAM	JAM	JAM					-	
	Thickn ess 9	JAM	JAM	JAM	JAM					

Double Feed Detection

There are two types of double feed:

- The preceding sheet is double fed, but the succeeding sheet is fed normally: J095 is displayed
- The preceding sheet is fed normally, but the succeeding sheet is double fed: J099 is displayed

The machine compares the thickness of two paper sheets (preceding sheet and succeeding sheet) consecutively fed from the same paper tray. If the paper thickness difference between the two paper sheets is larger than the double-feed detection threshold, the machine detects a double feed and stops feeding the paper. Then J095 or J099 is displayed on the operation panel.

7.Detailed Descriptions

The measured paper thickness value, which is used for the double-feed judgement, is reset at the following times.

- When the main power is turned ON. (The machine resets the measured values of the paper which has been fed from all the paper trays.)
- When all the doors are closed while the main power is ON.
- When the paper tray is pulled out and inserted again. (The machine resets the measured values of the paper which has been fed from the paper tray which was pulled out and inserted again.)
- When the status of the bypass tray paper end sensor is shifted from the paper absent state to the paper present state. (The machine resets the measured value of the paper which was fed from the bypass tray.)
- When printing on paper for the first time since the paper thickness setting was changed on the operation panel. (The machine resets the measured value of the paper fed from the paper tray for which the paper thickness setting was changed.)
- When a double feed occurs. (The machine resets the measured value of the paper transported from the paper tray in which the double feed occurred)
- When a paper jam occurs.
- After returning from the energy saving mode.

↓ Note

- The paper thickness detection feature and the double feed detection feature can be turned ON/OFF with UP mode and SP mode for each tray. (The default setting is ON)

SP No.	SP Name	Value
SP1-302-001 to 006	Dbl-Feed Detect: Tray 1 to Tray 4, LCIT, Bypass Tray	0: OFF 1: ON
SP1-313-001 to 006	Paper Thickness Detect: Tray 1 to Tray 4, LCIT, Bypass Tray	0: OFF 1: ON

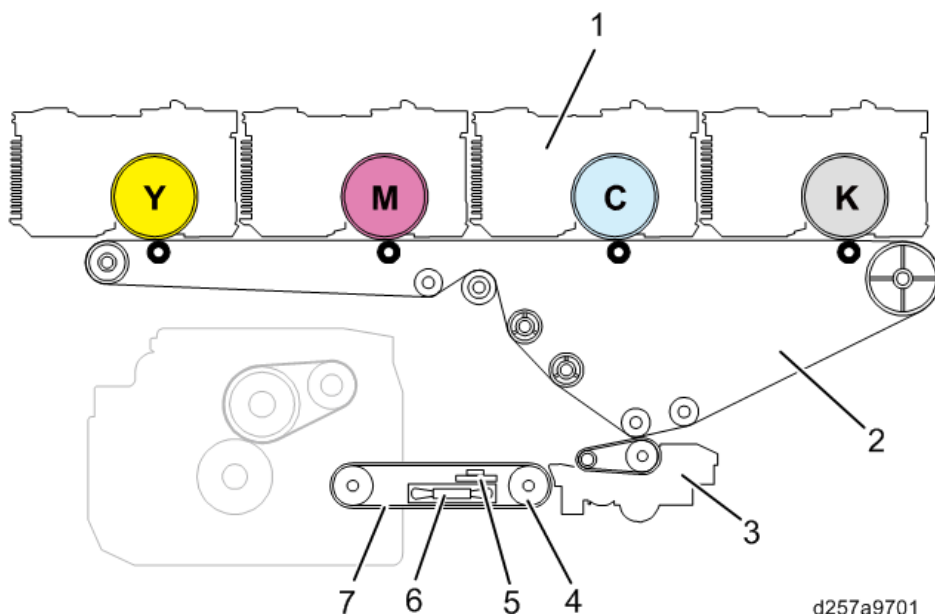
- If the different paper types are mixed in the paper tray, the machine cannot detect the paper thickness properly.

Paper Transport Belt Unit

Mechanism Descriptions

Component Layout

After the image has been transferred to the paper in the paper transfer belt unit, the paper transport belt unit feeds the paper to the fusing unit.



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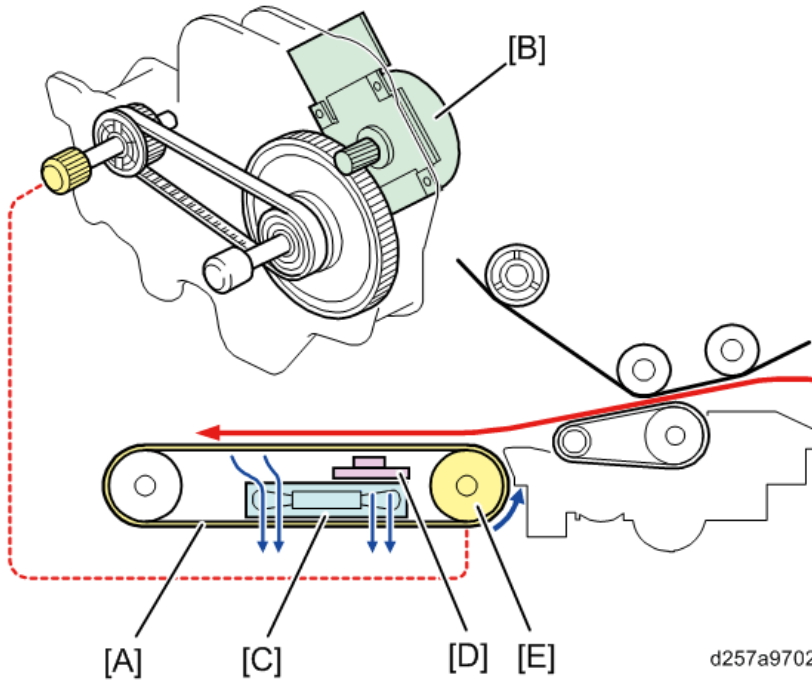
1	PCDU	5	Paper Transport Belt Sensor
2	Image Transfer Belt Unit	6	Paper Transport Belt Fan
3	Paper Transfer Belt Unit	7	Paper Transport Belt
4	Paper Transport Belt Unit		

Mechanism Details

Paper Transport Belt Attraction

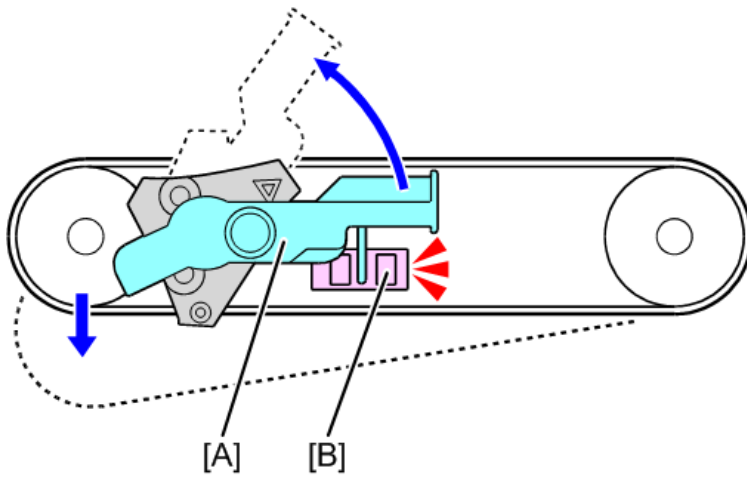
The paper transfer belt motor [B] drives the paper transport belt [A] via gears and paper transport belt drive roller [E]. The paper transport belt fans [C] draw air through holes in the paper transport belt [A]. This holds the paper on the belt. Then the paper transport belt feeds the paper from the paper transfer belt unit to the fusing unit. The paper transport belt sensor [D] in the paper transport belt unit detects paper jams.

7.Detailed Descriptions



Paper Transport Belt Unit Detection

The paper transport belt unit can be lowered by lifting the lever [A], in order to facilitate jam removal. The paper transport belt unit set sensor [B] detects whether the paper transport belt unit is seated in the operational position or not.

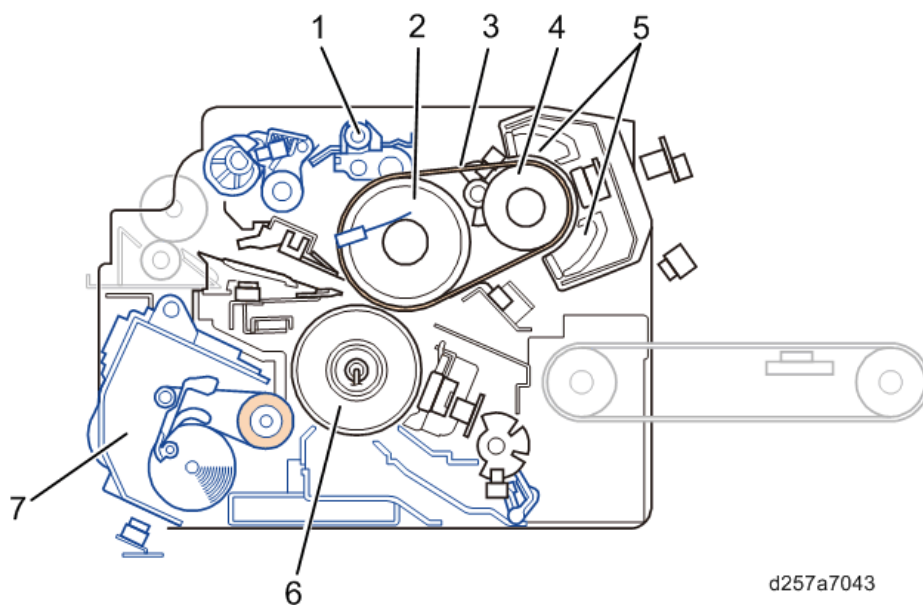


Fusing Unit

Mechanism Descriptions

Component Layout

Paper transported from the paper transport belt unit enters the fusing unit, where the paper is pressed between the pressure roller and fusing roller to fuse the toner to the paper. The components in blue are only for Pro C5200S/C5210S to improve paper handling and maintain quality over a long period. Pro C5200S/C5210S has a fusing belt smoothing roller that removes the roughness on the fusing belt caused by the paper edges, and the fusing cleaning web unit that removes material attached to the fusing belt.



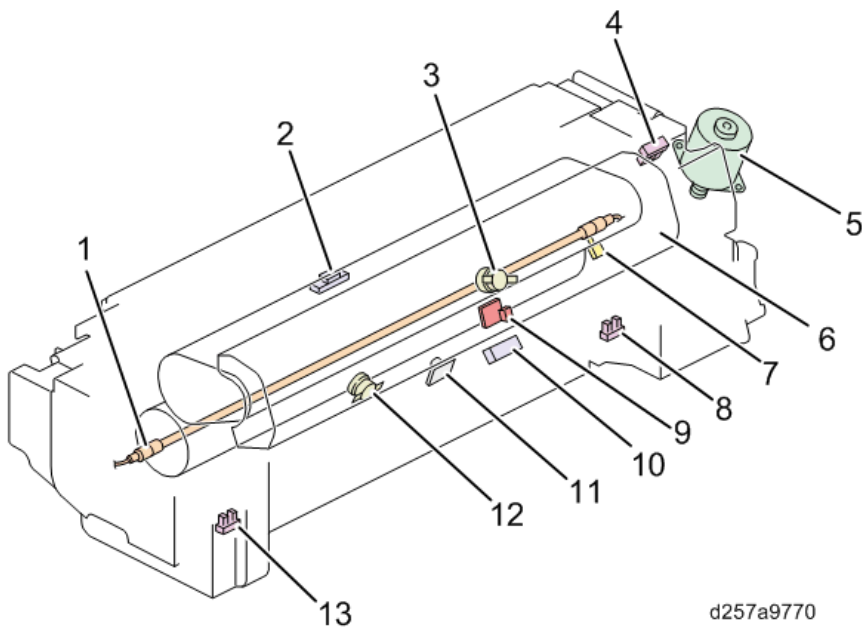
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No.	Descriptions	No.	Descriptions
1	Fusing Belt Smoothing Roller	5	IH Coil
2	Fusing Roller	6	Pressure Roller
3	Fusing Belt	7	Fusing Cleaning Web Unit
4	Heating Roller		

7.Detailed Descriptions

Electrical Components

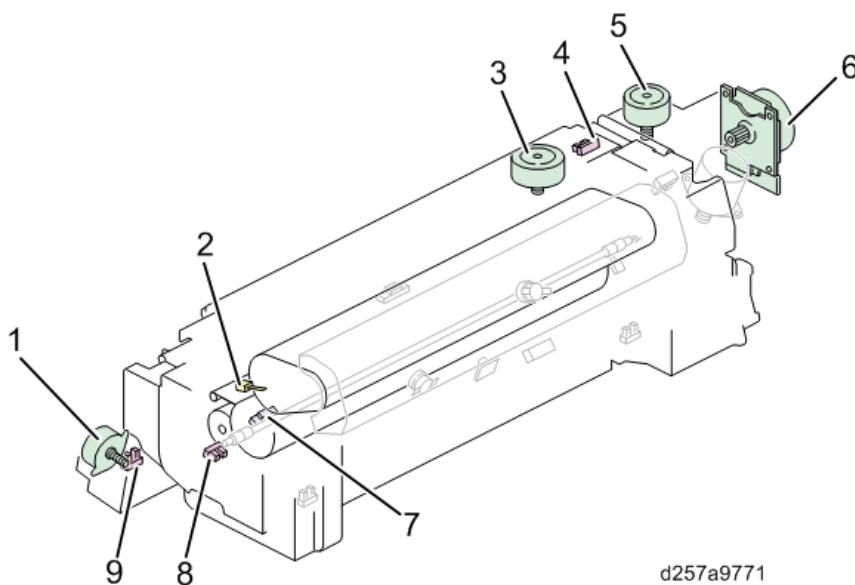
Common Components for MP C6503/C8003 and Pro C5200S/C5210S



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No.	Name	No.	Name
1	Pressure Roller Fusing Lamp	8	Pressure Roller Sensor (Rear)
2	Fusing Paper Feed Sensor	9	Thermopile (Heating Roller)
3	Thermostat (Heating Roller)	10	Fusing Entrance Sensor
4	Heating Roller Rotation Sensor	11	Thermopile (Pressure Roller)
5	Fusing Release Motor	12	Thermostat (Pressure Roller)
6	IH Coil Unit	13	Pressure Roller Sensor (Front)
7	Thermistor (Fusing Belt)		

Components Only for Pro C5200S/C5210S

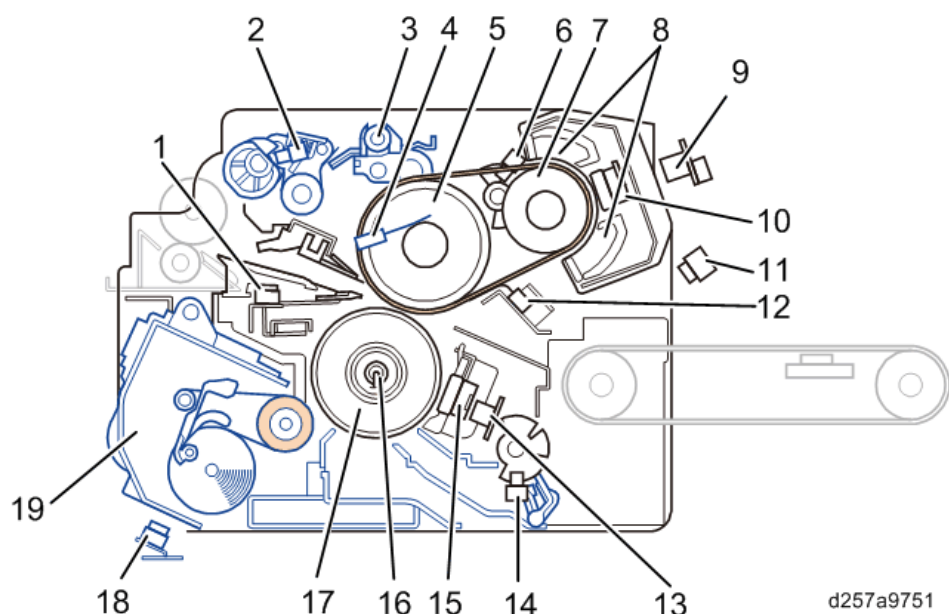


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No.	Name	No.	Name
1	Cleaning Web Motor	6	Fusing Belt Smoothing Roller Drive Motor
2	Thermistor (Hot Roller Shaft)	7	Cleaning Web Set Sensor
3	Cleaning Web Contact Motor	8	Cleaning Web End Sensor
4	Fusing Belt Smoothing Roller Contact Sensor	9	Cleaning Web Contact Sensor
5	Fusing Belt Smoothing Roller Contact Motor		

Component Descriptions

The components in blue are only for Pro C5200S/C5210S.



No.	Descriptions	No.	Descriptions
1	Fusing Paper Feed Sensor Related Error: JAM024	11	Fusing Entrance Paper Remaining Sensor Related Error: JAM001
2	Fusing Belt Smoothing Roller Contact Sensor Related Error: SC570-00	12	Thermistor (Fusing Belt) Related Error: SC561-00, SC562-02/03
3	Fusing Belt Smoothing Roller Prevents damage to the belt caused by paper edges.	13	Thermopile (Pressure Roller) Related Error: SC551-00, SC552-02/03, SC553-00, SC554-00
4	Thermistor (Hot Roller Shaft) Related SP: SP1-101-021 Related Error: SC579-00, SC580-03	14	Front: Pressure Roller Sensor (Front) Related Error: SC569-04 Rear: Pressure Roller Sensor (Rear) Related Error: SC569-02, SC562-03
5	Fusing Roller	15	Thermostat (Pressure Roller)
6	Heating Roller Rotation Sensor Related Error: SC548-00	16	Pressure Roller Fusing Lamp

7.Detailed Descriptions

No.	Descriptions	No.	Descriptions
7	Heating Roller	17	Pressure Roller
8	IH Coil	18	Cleaning Web Set Sensor
9	Thermopile (Heating Roller)	19	Fusing Cleaning Web Unit
10	Thermostat (Heating Roller)		

Mechanism Details

Fusing Mechanism

Belt fusing is adopted in this machine.

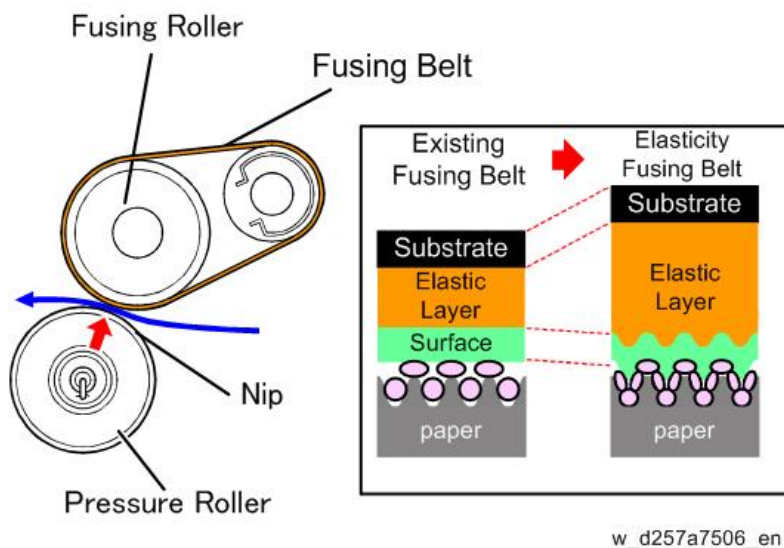
The surface of the fusing belt is made from polyimide and is covered with silicone rubber that is coated by fluororesin. The fusing belt is driven by the fusing roller ($\Phi 57$).

1. Fusing roller material

The following material is used to shorten the warm-up time for MP C6503/C8003, to improve the image quality of the coated paper for Pro C5200S/C5210S.

- MP C6503/C8003: Sponge rubber
- Pro C5200S/C5210S: Solid rubber

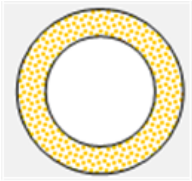
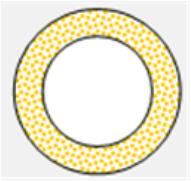


The elastic layer of the fusing belt of Pro C5200S/C5210S is thickened in order to let the belt enter indentations in the paper that existing belts cannot be inserted into. This improved fusing belt imposes pressure and heat equally on all parts of the paper, and dramatically enhances fusing efficiency.



2. Fusing Roller

In this machine, the fusing roller materials are different between Pro C5200S/5210S and MP C6503/8003 in order to suit different types of users as follows.

7.Detailed Descriptions

Machine Type	MP C6503/8003	Predecessor Model (MP C6502/8002)	Pro C5200S/C5210S	Predecessor Model (Pro C5100S/C5110S)
Diagram	 <p>d1355185</p> <p>Silicone foam roller φ57*¹</p>	 <p>d1355185</p> <p>Silicone foam roller φ50</p>	 <p>d1355182</p> <p>Silicone solid roller φ57*¹</p>	 <p>d1355182</p> <p>Silicone solid roller φ50</p>
Details	<p>Employed for energy saving improvement.</p> <p>Merits</p> <p>Shorter warming-up time</p> <ul style="list-style-type: none"> • MP C6503/C8003: Less than 55sec • MP C6502/C8002: Less than 60sec <p>Demerits</p> <ul style="list-style-type: none"> • Lower image quality than Pro C5200S/C5210S/C5100S /C5110S. • Lower productivity than Pro C5200S/C5210S/C5100S /C5110S. 		<p>Employed for image quality and productivity provement.</p> <p>Merits</p> <ul style="list-style-type: none"> • Superior to MP C6503/8003/C6502/8002 in image quality of coated paper • High productivity <p>Demerits</p> <p>Longer warming-up time</p> <ul style="list-style-type: none"> • Pro C5200S/C5210S: Less than 120sec • Pro C5100S/C5110S: Less than 300sec 	

*1 The outer diameter of the fusing roller is larger than the predecessor model. This increases the nip width and the fusing temperature is lowered.

3. Heating roller

The heating roller (Φ35) is made of a magnetic shunt alloy. The flux shield plate (aluminum) and the shaft (aluminum) are included in the roller.

4. IH Coil (external heating IH)

In this machine, an IH coil heats the heating roller and the fusing belt.

The IH coil is employed in order to realize fast heating and temperature uniformity.

5. Pressure Roller (Φ55)

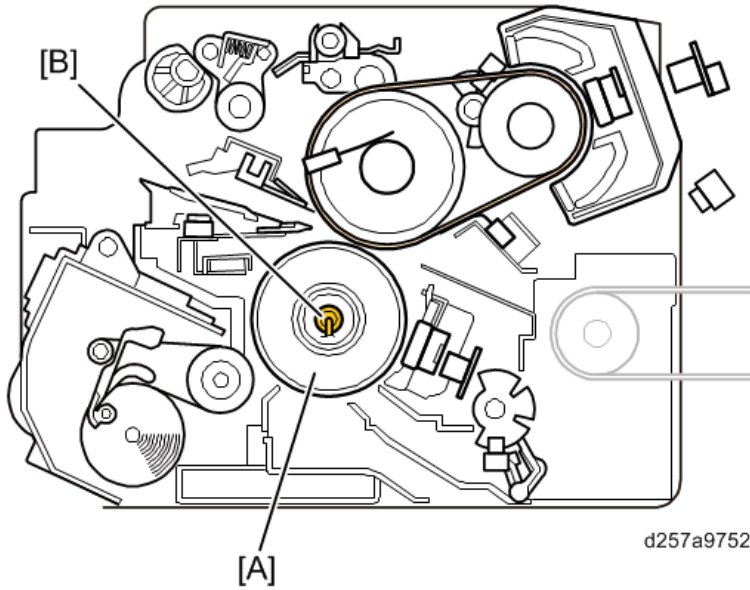
The pressure roller (Φ50) surface is made of iron covered with silicone rubber that is coated with a fluororesin tube. The pressure roller has a fusing lamp in it.

6. Fusing Lamp

There is a fusing lamp [B] inside the pressure roller [A]. This heats the pressure roller when starting up and

7.Detailed Descriptions

when warming up. It also keeps the machine heat during waiting.



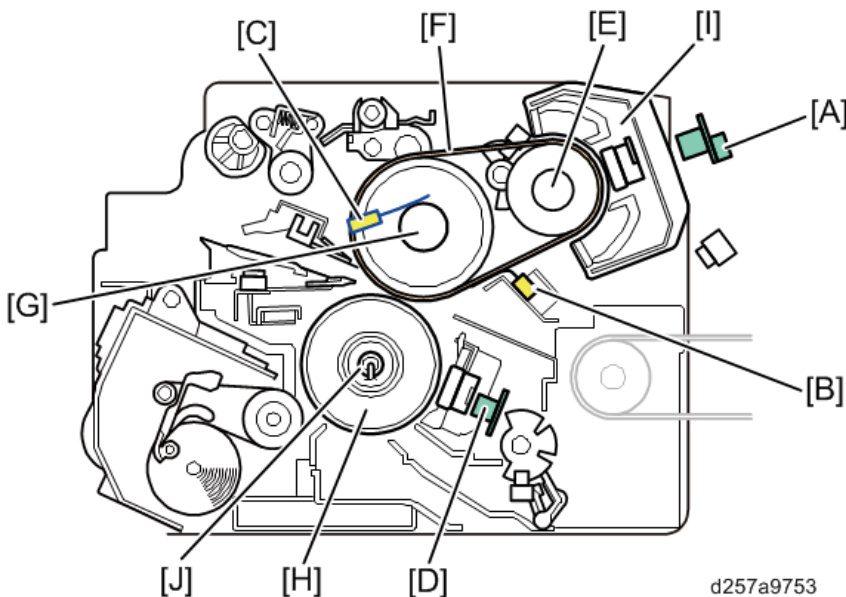
7. Fusing separation plate

Other models have multiple separation plates but this model has only one plate. This prevents folding, jams, and damage to the image.

Thermal Control

Thermal Control Sensors

This machine has thermal control sensors that monitor various locations to control the IH coil [I] and the fusing lamp [J] in order to keep the proper temperature.

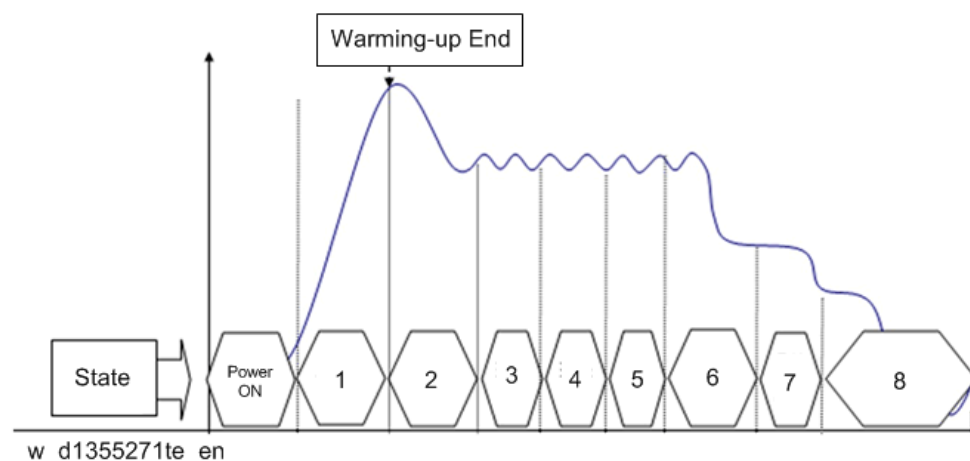


Thermal Control Sensor	Monitoring Area
Thermopile [A]	Heating Roller [E] (Center)
Thermistor [B]	Fusing Belt [F] (End)
Thermistor [C]	Hot Roller Shaft [G] (Ends)

Thermal Control Sensor	Monitoring Area
(Pro C5200S/C5210S only)	
Thermopile [D]	Pressure Roller [H] (Center)

Thermal Transition

This machine controls the fusing unit to change the temperature in the fusing unit, depending on the eight states listed below:



State	Descriptions
1. Start-up, Restart-up	The machine detects that all covers (doors) are closed and then starts the fusing warming-up. The machine controls the fusing drive motor, the IH coil, and the fusing lamp to increase the fusing temperature up to the target temperature.
2. Rotation after Reload	After fusing warming-up finishes, the fusing drive motor turns on for a certain time to keep the fusing temperature at a specified level (adjusted with "SP1107-001: Heating R", "SP1107-002: Pressure R").
3. Before Paper Passing	The machine increases the temperature of the fusing roller and of the pressure roller to reach "Paper Passing-start Temperature".
4. While Paper Passing	While paper is passing through the machine.
5. After Paper Passing	After the last sheet of a job passes the fusing paper feed sensor, the machine controls the fusing drive motor, IH coil, and the fusing lamp to keep the target temperature (target temperature is adjusted with "SP1108-001: Heating R", "SP1108-002: Pressure R").
6. Ready	When the "After Paper Passing" state finishes, the machine turns to the "Ready" state. The machine controls the fusing drive motor, the IH heater, and the fusing lamp in order to maintain the fusing temperature (can be adjusted with "SP1107-001: Heating R", "SP1107-002: Pressure R")
7. Low Power Mode	A specified time passes after fusing system is ready to print, and then the IH coil and fusing drive motor turn off. At the same time, the fusing lamp turns on in order to keep the target

7. Detailed Descriptions

State	Descriptions
	temperature (can be adjusted with "SP1107-006") of the pressure roller.
8. Sleep Mode	A specified time (normal: 1 minute) passes after the machine enters the "ready" state, and then the machine cuts the power supply for the IH coil, the fusing lamp, and the fusing drive motor.

The tables below show the target temperature for the heating roller and pressure roller for each state.

Reload

	MP C6503	MP C8003	Pro C5200S	Pro C5210S
Heating Roller	143°C	143°C	148°C	153°C
Pressure Roller	130°C	140°C	100°C	100°C

After Reload/Paper Passing

	MP C6503	MP C8003	Pro C5200S	Pro C5210S
Heating Roller	133°C	140°C	136°C	143°C
Pressure Roller	130°C	130°C	90°C	90°C

Permission to Start Printing (MP C6503/C8003: Plain Paper 1, Pro C5200S/C5210S: Paper Weight 2)

	MP C6503	MP C8003	Pro C5200S	Pro C5210S
Heating Roller	120°C	128°C	123°C	126°C
Pressure Roller	70°C	70°C	30°C	30°C

Ready

	MP C6503	MP C8003	Pro C5200S	Pro C5210S
Heating Roller	133°C	140°C	120°C	120°C
Pressure Roller	130°C	130°C	90°C	90°C

Low Power Mode

	MP C6503	MP C8003	Pro C5200S	Pro C5210S
Heating Roller	-	-	-	-
Pressure Roller	130°C	130°C	90°C	90°C

Fusing Unit Overheat Prevention

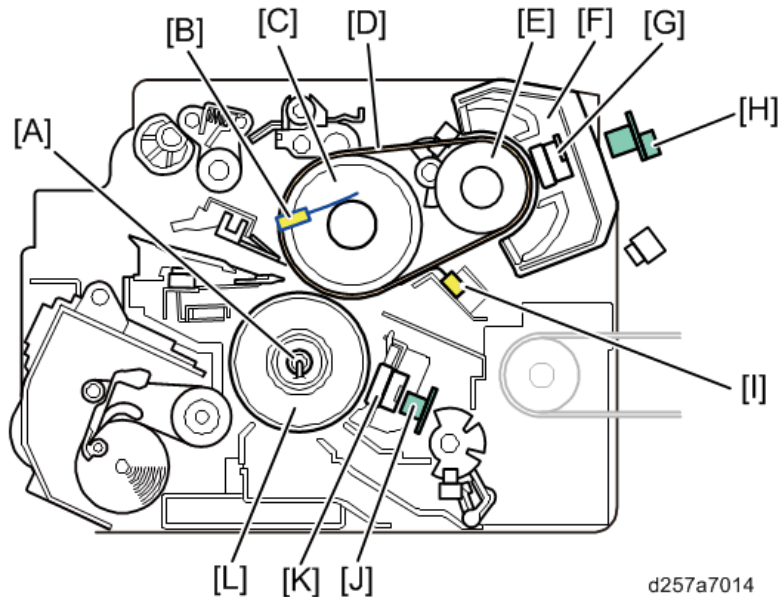
This machine has 3 ways to prevent overheating: soft-overheat detection, hard-overheat detection, thermostat

The component call-outs correspond to the diagram below.

	Heating Roller	Pressure Roller
Soft-overheat Detection	For all machine types SC543-00 Name: Thermopile [H] Detection Temp.: More than 240 °C	For all machine types SC553-00 Name: Thermopile [J] Detection Temp.: More than 220 °C

	Heating Roller	Pressure Roller
	SC563-00 Name: Thermistor [I] Detection Temp.: More than 250 °C	
Hard-overheat Detection	For all machine types SC544-00 Name: Thermopile [H] Detection Temp.: More than 250 °C SC564-00 Name: Thermistor [I] Detection Temp.: More than 260 °C	For all machine types SC554-00 Name: Thermopile [J] Detection Temp.: More than 250 °C
Thermostat	When the thermostat detects an abnormality, SC689-00 or SC582-01 occurs. If a thermostat has been activated, replace the entire fusing unit. It's possible that the IH coil [F] / the fusing belt [D] / the heating roller [E] / the fusing roller [C] / the pressure roller [L] are damaged.	When the thermostat detects an abnormality, SC555-00 or SC552-02, 03 occurs.

Related Components Location Diagram



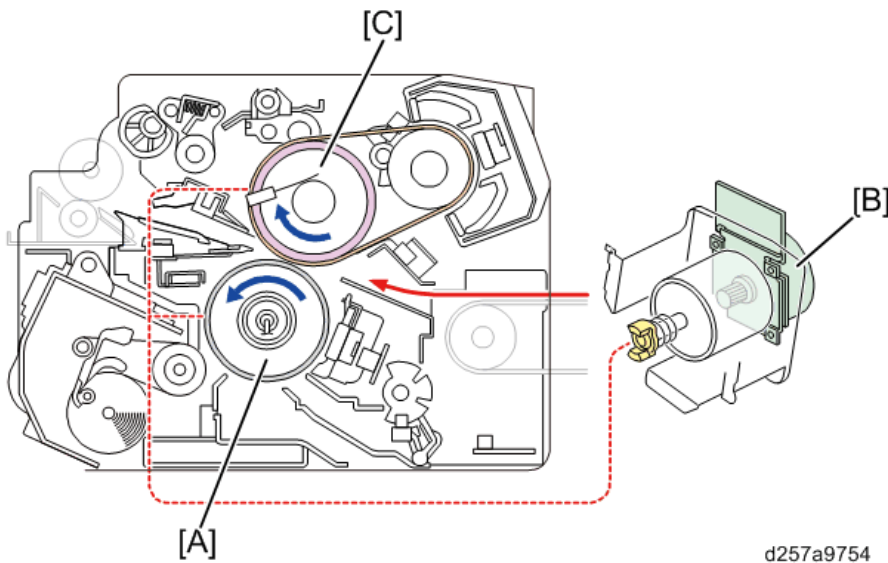
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[A]	Fusing Lamp	[G]	Thermostat (Heating Roller)
[B]	Thermistor (Hot Roller Shaft)	[H]	Thermopile (Heating Roller)
[C]	Fusing Roller	[I]	Thermistor (Fusing Belt)
[D]	Fusing Belt	[J]	Thermopile (Pressure Roller)
[E]	Heating Roller	[K]	Thermostat (Pressure Roller)
[F]	IH Coil	[L]	Pressure Roller

7.Detailed Descriptions

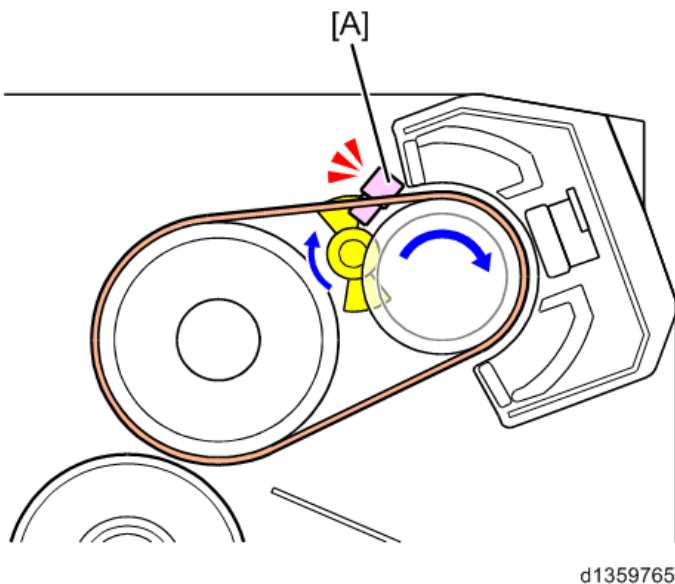
Fusing Drive

Through gears, the fusing drive motor [B] drives the pressure roller [A], and that also rotates the fusing roller [C].



Rotation Detection

The heating roller rotation sensor [A] detects the rotation of the fusing belt and the results are fed back to the fusing drive motor. The heating roller rotation sensor prevents too much heating by the IH heater that can cause fire damage or machine break-down. When the heating roller rotation sensor [A] detects that the fusing belt is not rotating, the machine cuts off the current to the IH coil.



Pressure Mechanism

The pressure roller has a release control mechanism to release fusing pressure when a job is not in progress. This contributes to reducing deformation of the pressure roller.

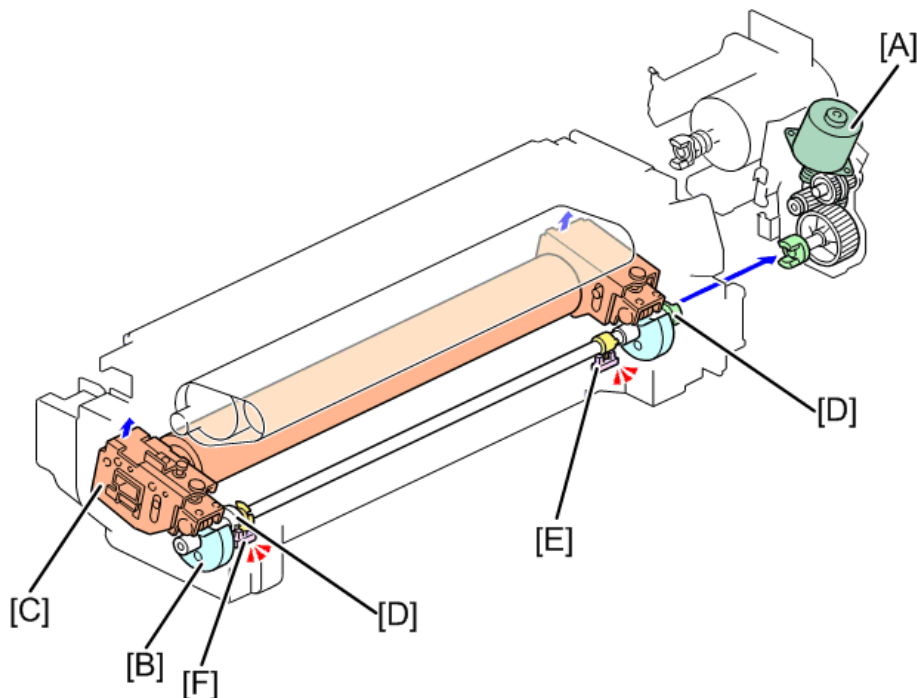
When a job starts, the fusing release motor [A] drives, the pressure roller cams [B] turn, and the pressure roller unit [C] shifts up. When a job finishes, the fusing release motor [A] drives in the opposite direction, and the

pressure roller unit [C] shifts down and pressure is released. With the actuators [D], the front and rear sensors near the axial points of the pressure roller cams detect the following:

- Pressure Roller Sensor (Front): Detects the angle of the cam in 3 steps to control the nip pressure
- Pressure Roller Sensor (Rear): Detects HP

The fusing release motor [A] is driven by a DC brushless motor with an encoder.

After the motor has applied pressure, it stays on because otherwise the roller rotation while paper is passing would tend to release the pressure.

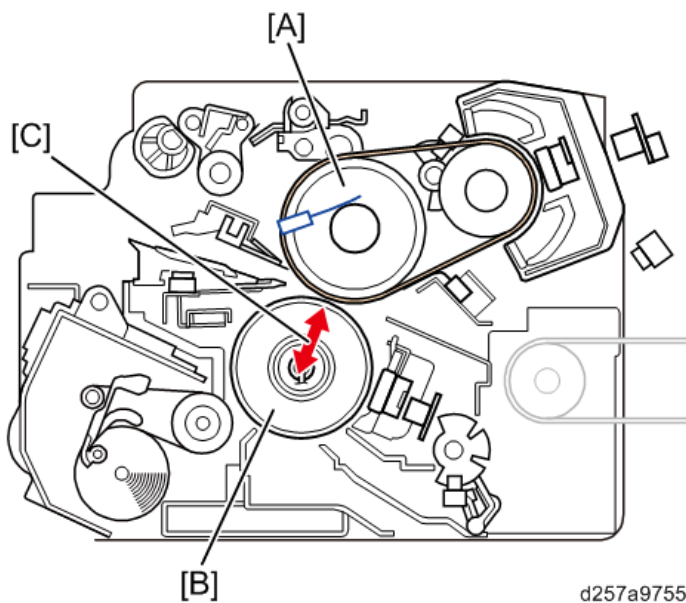


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In addition, the nip pressure is adjustable in 3 steps by changing the angle of the cam, depending on thickness of paper.

	State	Default Value
Pressure Position 0	Released	-
Pressure Position 1	The fusing drive motor drives in reverse to remove jammed paper (not changeable in SP mode)	2mm
Pressure Position 2	For envelope feeding (changeable with SP1-989-xxx)	3.5mm
Pressure Position 3	For paper feeding (not changeable in SP mode)	MP C6503/C8003: 16.7±0.2mm Pro C5200S/C5210S: 17.4±0.3mm

7.Detailed Descriptions



[A]: Fusing Roller

[B]: Pressure Roller

[C]: Changing the nip width by changing the pressure position

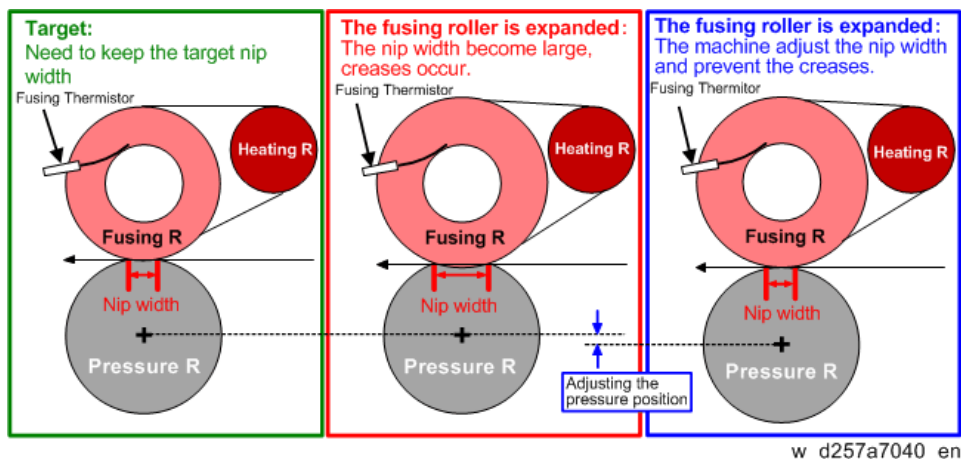
Fusing Nip-band Adjustment (Envelope)

To reduce creases in envelopes, this machine lowers nip pressure if the following settings are made:

- Select [Envelope] as [Paper Type] in [Tray Paper Settings]
 - MP C6503/C8003: Press the [User Tools] icon -> [System Settings] -> [Tray Paper Settings] to open the [Tray Paper Settings] screen.
 - Pro C5200S/C5210S: Press the [User Tools] key -> [System Settings] -> [Tray Paper Settings] to open the [Tray Paper Settings] screen.
- Select [Envelope] as [Paper Type] in [Tray Paper Settings] for IMSS setting (Pro C5200S/C5210S only)
Press the [Paper Settings] key to open the [Tray Paper Settings] screen.

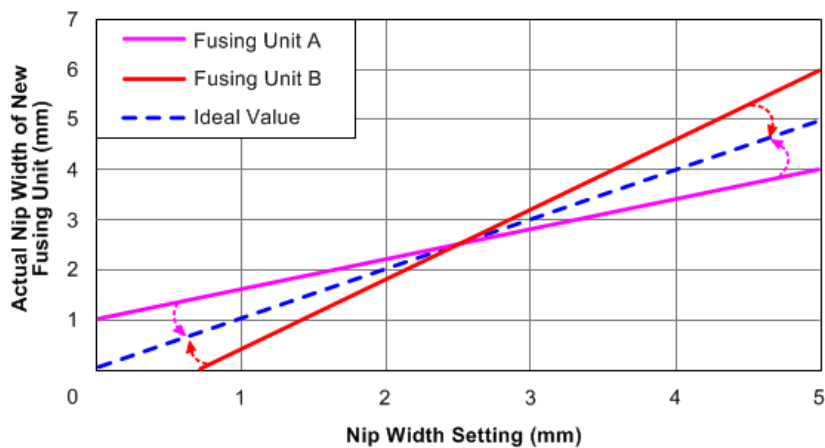
The pressure position 2 (envelope position) is selected automatically as a nip width so that the nip width for envelope printing becomes narrower in order to reduce the nip pressure.

The nip width adjustment is performed by changing the pressure roller position. The machine predicts the thermal expansion coefficient of the fusing roller from the output of the thermistor (hot roller shaft). The machine changes the the pressure roller position according to the thermal expansion coefficient of the fusing roller, so that the nip width becomes optimal for envelope printing.



Nip Width Adjustment for New Fusing Unit (Pro C5200S/C5210S)

The nip width of the fusing unit vary among individual units. Therefore, after replacing the fusing unit with a new one, the nip width needs to be adjusted by entering the adjustment value on the label attached to the fusing unit.



By performing this adjustment, the nip width adjustment for the envelope, described above, can be done correctly. For details about how to make the nip width adjustment for a new fusing unit, see [Adjustment for the Nip Width of the Fusing Unit \(Pro C5200S/C5210S only\)](#).

Jam Detection

The fusing paper feed sensor [A] detects jams by monitoring the ejected paper.

The fusing entrance sensor [B] detects paper remaining in the fusing area after a jam occurs. It is not used during normal printing.

If you replace the fusing entrance sensor [B], do the following initial procedure:

- 1.** Make sure that remaining paper does not block the optical path of the fusing entrance sensor [B] (blue arrow from the sensor).
- 2.** Close the drawer unit and the right cover.
- 3.** Do "SP1-134-001".
- 4.** Make sure that the value is around 200 to 400 in "SP1-134-002".

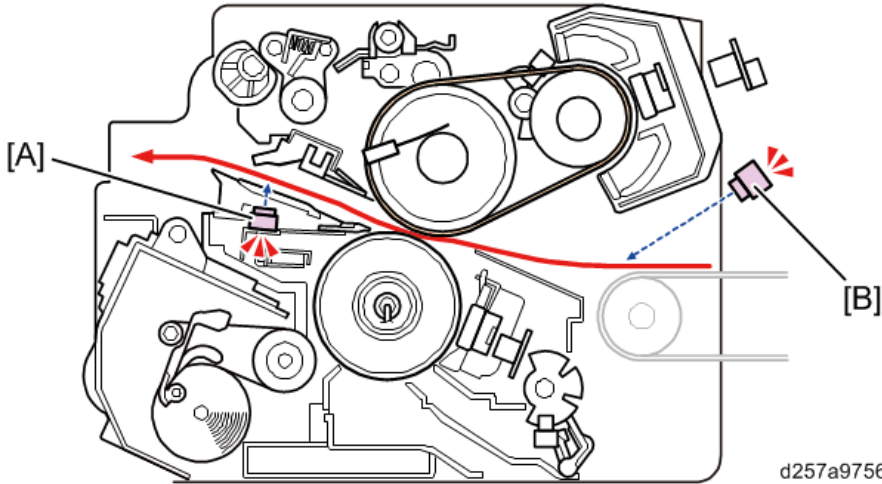
If the value is not around 200 to 400, paper could be remaining in the fusing unit or the drawer unit may not

7.Detailed Descriptions

be completely closed.

Therefore, remove the paper from the fusing unit and close the drawer unit completely. Then do "SP1-134-001" again.

5. Turn OFF the machine, and then turn it ON again.



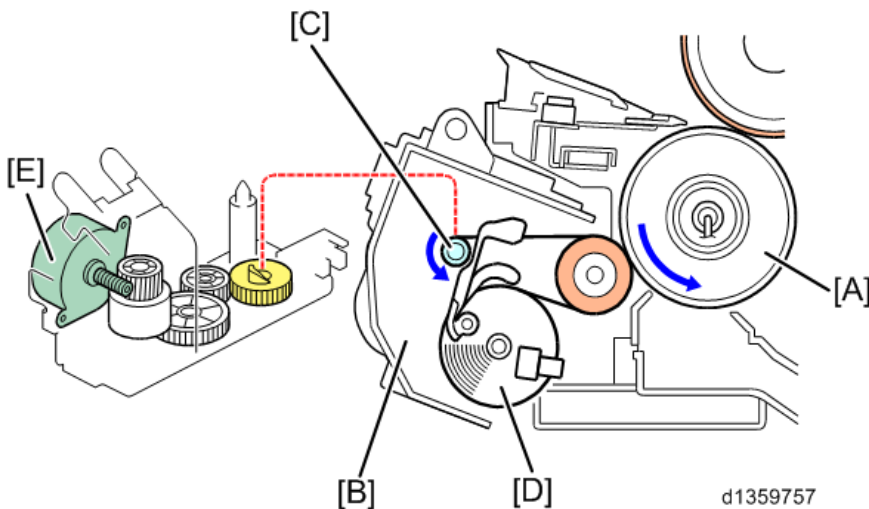
Cleaning Mechanism (Pro C5200S/C5210S)

The Pro C5200S/C5210S has a fusing cleaning web unit. Material attached to the fusing belt is removed by the fusing cleaning web unit [B] through the pressure roller [A], in order to prevent black spots on prints.

The fusing cleaning web unit [B] uses the cleaning web method (heatproof non-woven fabric).

The fusing cleaning web [D] contacts the pressure roller [A] and wipes off toner and paper dust on the roller's surface while being rolled up by the web take-up roller [C]. The fusing cleaning web [D] contains silicone oil in order to lubricate the pressure roller and the fusing belt. The fusing cleaning web [D] is driven by the cleaning web motor [E], which turns on every time a certain number of sheets are printed in a job, and rolls up a certain length of the fusing cleaning web.

The web take-up roller [C] rolls up the used web.

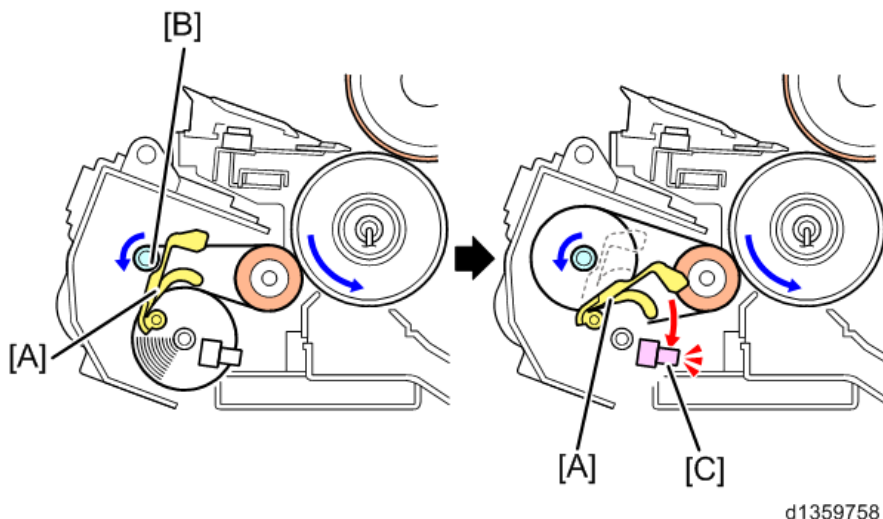


- Web Near-End

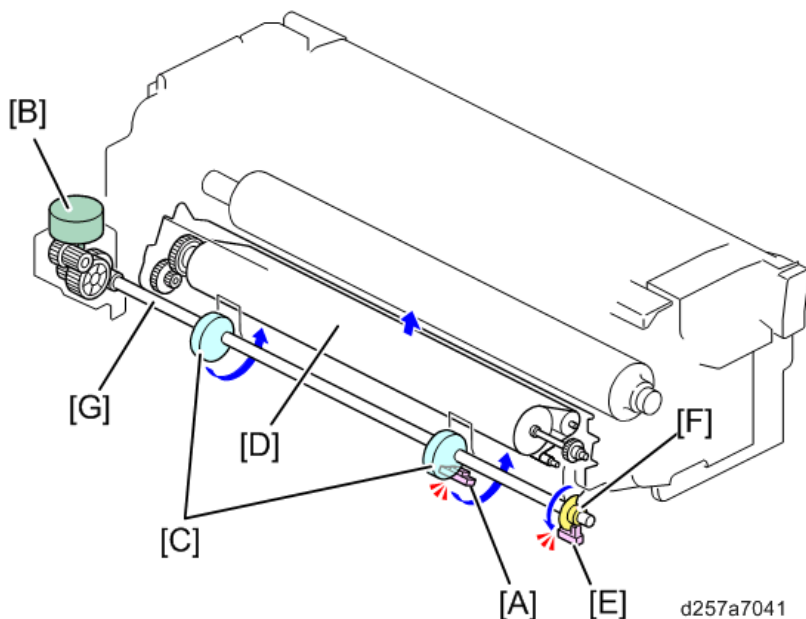
When the fusing cleaning web consumption reaches the setting in SP1-902-004, the operation panel shows

"Web Near-End". If the SP setting is 81% (default), the machine shows "Web Near-End" on the operation panel at 450K.

- Web End
The fusing cleaning web unit has the actuator [A]. As the web take-up roller [B] rolls the used web up, the actuator [A] shifts down. When the web is all used up, the cleaning web end sensor [C] detects the actuator [A]. The machine stops printing after this is detected.



- Cleaning Web Set Sensor / Cleaning Web Contact Sensor
The cleaning web set sensor [A] detects whether the fusing cleaning web unit exists or not.
The cleaning web contact motor [B] rotates the shaft [G] on which two disks [C] are attached. The disks [C] push up the fusing cleaning web unit to make the fusing cleaning web [D] contact the pressure roller. At this time, the cleaning web contact sensor [E] detects the actuator [F] on the shaft and the machine detects that the fusing cleaning web contacts the pressure roller.

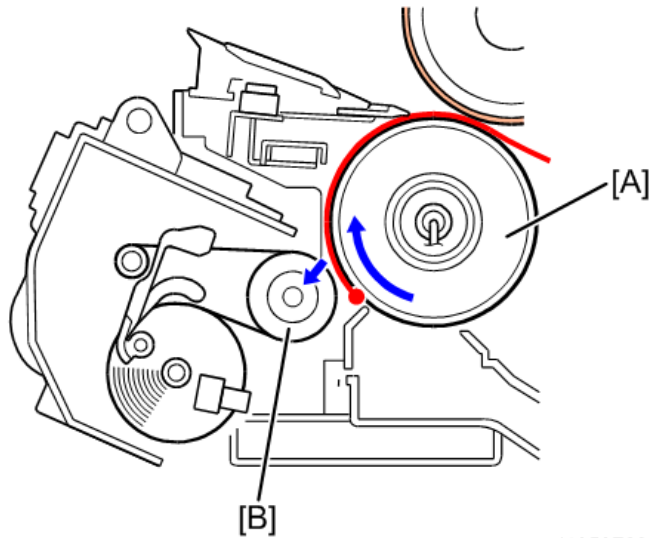


- Counter Measure for Cleaning Web Jam
With Pro C5200S/C5210S, when small size paper jams, the pressure roller [A] drives in reverse so that the machine can detect the remaining paper. Then the remaining paper moves to an area where it can be removed

7.Detailed Descriptions

easily.

But if the pressure roller [A] drives in reverse while the fusing cleaning web [B] contacts it, the fusing cleaning web can become wrapped around the roller. So to prevent that, the fusing cleaning web separates from the pressure roller when a jam occurs.

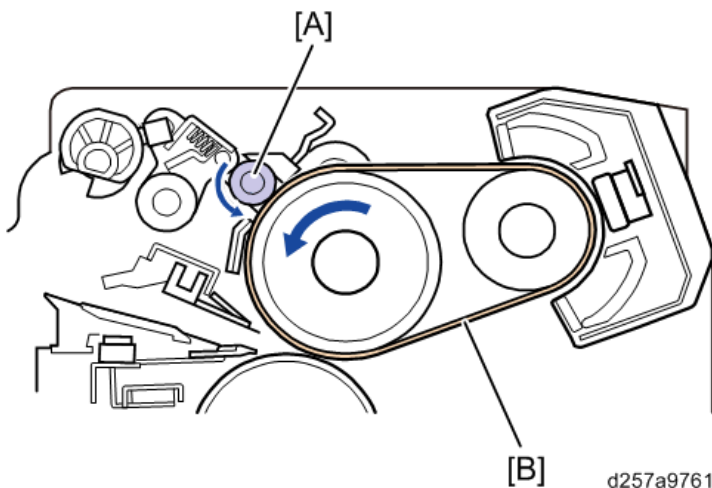


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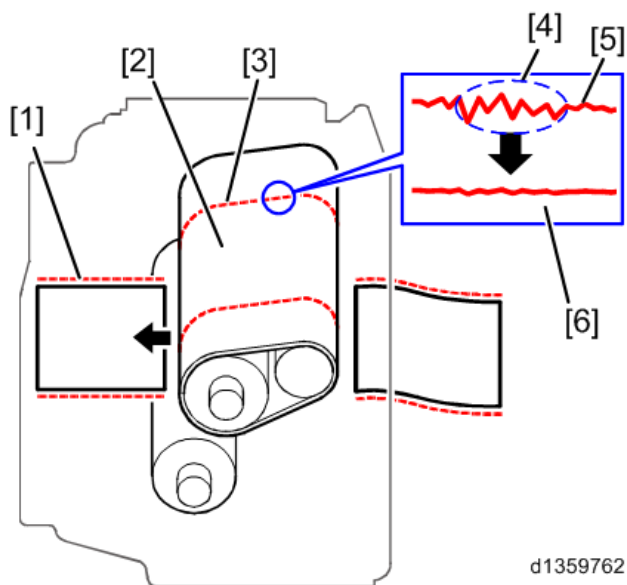
Fusing Belt Smoothing Roller (Pro C5200S/C5210S only)

The fusing belt smoothing roller [A] removes damage on the belt caused by the edges of the paper.

The fusing belt smoothing roller [A] polishes the surface of the fusing belt [B] in order to remove roughness caused by the edges of paper that has passed through the fusing unit, and to prevent glossy streaks on prints.



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No.	Description	No.	Description
1	Paper Edge	4	Paper Edge Position
2	Fusing Belt	5	Belt Surface
3	Paper Edge Trace (roughness)	6	Polished Belt Surface with the fusing belt smoothing roller

How to use the fusing belt smoothing roller function

The fusing belt smoothing roller function is not automatically executed if the factory default settings are used. The smoothing fusing roller auto execution feature is turned ON when [1: Roller Lifetime Priority] or [2: Short Waiting Time Priority] is selected for [062. Fusing Belt Smoothing Setting] in IMSS settings. The fusing belt smoothing roller can be run manually by executing SP1-133-110 or the adjustment settings for operators and the adjustment settings for skilled operators (0525-01).

The specification is as shown below:

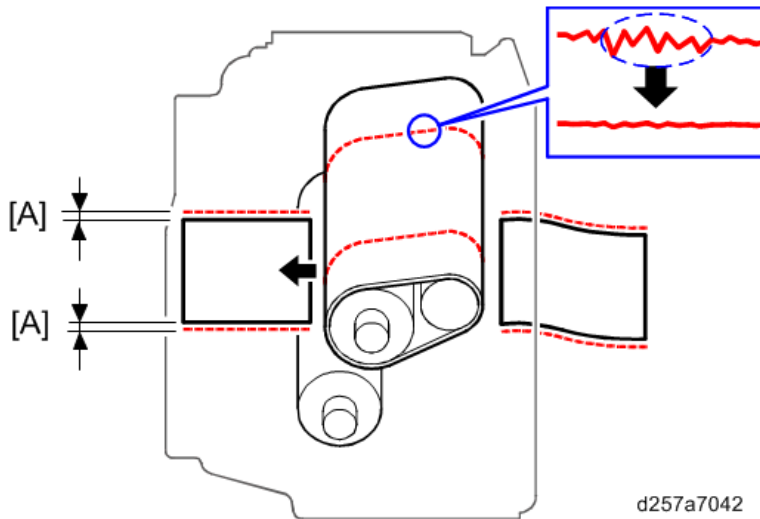
Item	Descriptions
SP No.	SP1-133-110
Adjustment Settings for Skilled Operators	0210-01
Adjustment Settings for Operators	0210-01
Operation Specification	Roller rotates in 2 minutes in 1 cycle
Yield	260 minutes (133 cycles)
Near-End	Pro C5200S: 258 minutes (rest 4 cycles) Pro C5210S: 254 minutes (rest 6 cycles) This can be modified with "SP1-133-131".
End	266 minutes This can be modified with "SP1-133-132".
How to check the use rate	With the PM parts list shown on the operation panel display.

Notes

- When you execute fusing belt smoothing more than six times in a row but no improvement appears, replace the fusing belt.

7.Detailed Descriptions

- The polishing performance could be deteriorated before the fusing belt smoothing belt roller reaches the target yield/end, due to variations in each fusing belt smoothing roller. In this case, replace the fusing belt smoothing roller.
- When using a paper type with which glossy stripes easily appear, the glossy stripes can be prevented by shortening the execution interval of fusing belt smoothing according to the variations [A] in paper edge passing position.



If the variation in paper edge passing position [A] is small, adjust the execution interval of fusing belt smoothing to a shorter value while referring to the table below. If the variation in paper edge passing position [A] is large, adjust the execution interval of fusing belt smoothing to a longer value while referring to the table below.

The variation in paper edge passing position is 0.3mm normally in this machine. However, the variation could be smaller than 0.3mm due to the individual differences between machines. In that case, the execution interval of fusing belt smoothing should be adjusted to a shorter value, and because of that, the lifetime of the fusing belt smoothing roller and fusing belt will become shorter.

Variations in paper edge passing position [mm]	Execution interval of fusing belt smoothing [kp]	Lifetime of the fusing belt smoothing belt roller [kp]	Lifetime of the fusing roller [kp]
0.2	1.5	90	200
0.4	3	180	400
0.6	4.5	270	600

Fusing Heat-shutout / Cooling Mechanism

Fusing Heat-shutout

To prevent the heat of the fusing unit from affecting the laser unit, this machine has fusing heat pipes. Five heat pipes [G] are integrated in the aluminum panel. The heat pipes reach the heat sink [B] in the upper left part of the machine.

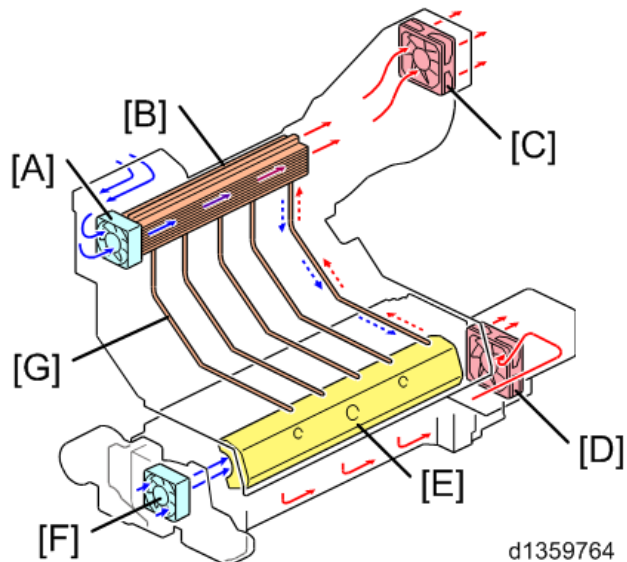
The heat pipe panel intake fan [A] cools down the heat sink [B] whose temperature rises because of the circulation

in the heat pipes. The heat pipe panel exhaust fan [C] sucks the hot air out of the rear of the machine.

IH Coil Cooling

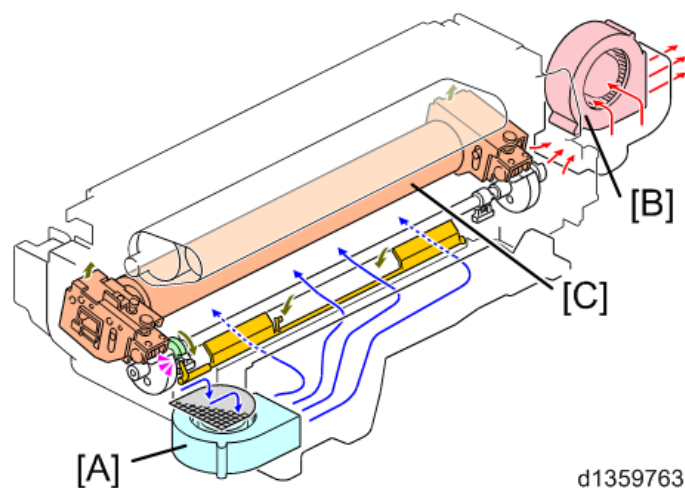
The IH coil cooling fan [F] in the front side of the machine sucks in air to cool the IH coil unit [E]. This air goes through the IH coil unit [E]. Then the paper transfer belt fusing exhaust fan [D] sucks air out of the rear of the machine.

The paper transfer belt fusing exhaust fan [D] also sucks out the heat around the paper transfer belt unit.



Pressure Roller Cooling (Pro C5200S/C5210S Only)

The fusing pressure roller intake fan [A] sucks air out of the machine to make an air current under the pressure roller [C], in order to cool the pressure roller down. The fusing pressure roller exhaust fan [B] sucks air out of the rear of the machine.



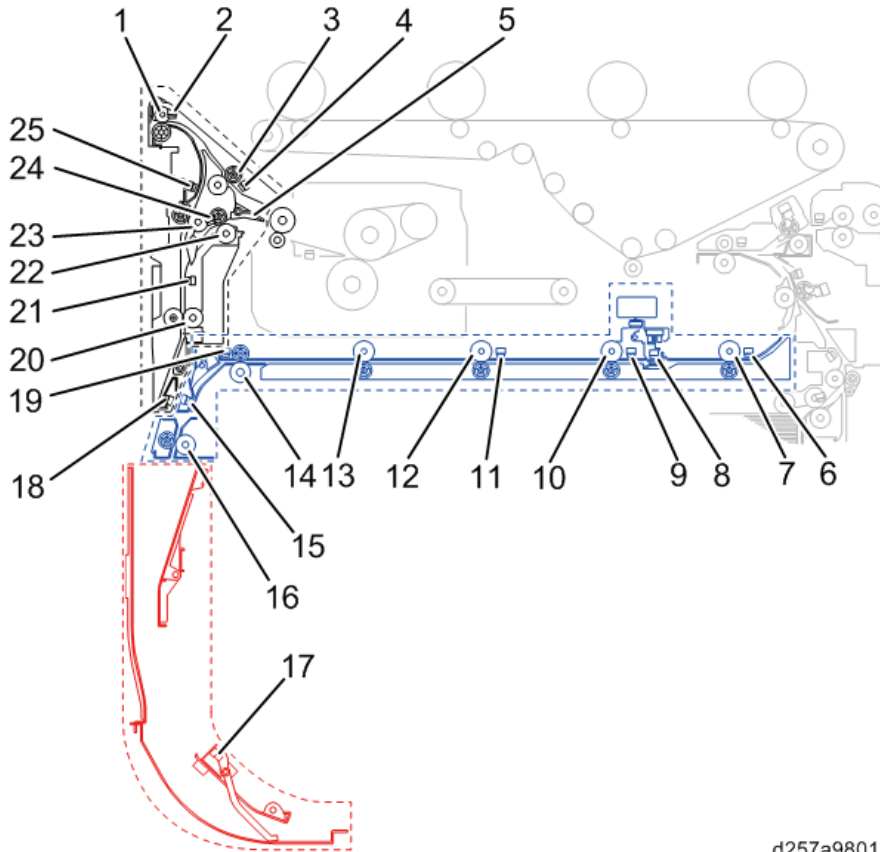
This mechanism prevents the temperature of the pressure roller from increasing. This mechanism allows the machine to reduce the frequency of downtime caused by excessive heating of the pressure roller during consecutive printing.

Paper Exit and Duplexing

Mechanism Descriptions

Component Layout

Section Layout



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Black: Inverter (Face-down) / Exit Section

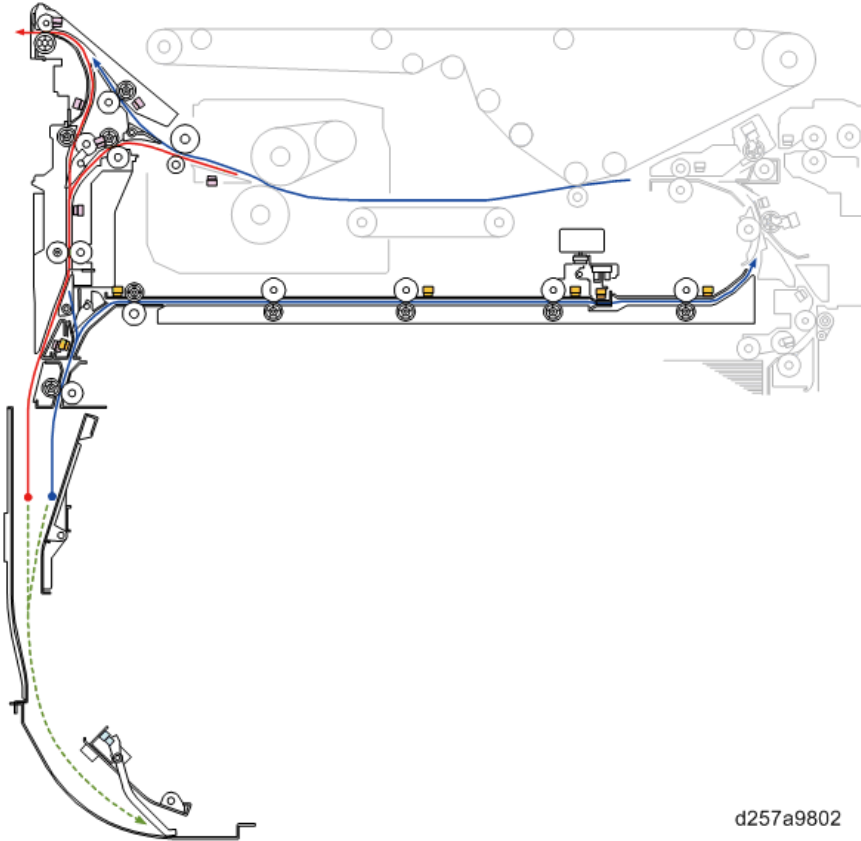
Blue: Duplex Section

Red: Purge Section

No.	Description	No.	Description
1	Paper Exit Roller	14	Duplex Transport Roller 1
2	Paper Exit Sensor	15	Duplex Invert Sensor
3	Paper Exit Relay Roller	16	Duplex Invert Roller
4	Paper Exit Relay Sensor	17	Purged Paper Sensor
5	Inverter Junction Gate	18	Purge Relay Sensor
6	Duplex Exit Sensor	19	Duplex Unit Entrance Sensor
7	Duplex Exit Roller	20	Inverter Exit Roller
8	Edge Detection Sensor	21	Inverter Exit Sensor
9	Duplex Unit Sensor 4	22	Inverter Feed-in Roller
10	Duplex Transport Roller 4	23	Inverter Feed-out Roller

No.	Description	No.	Description
11	Duplex Unit Sensor 3	24	Inverter Feed-in Sensor
12	Duplex Transport Roller 3	25	Inverter Feed-out Sensor
13	Duplex Transport Roller 2		

Transport Layout

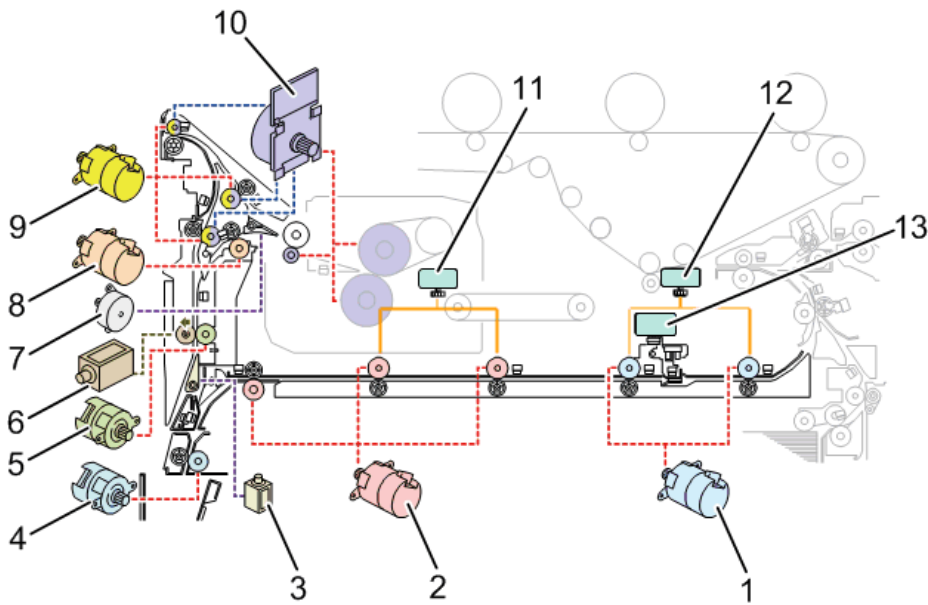


Red: Inverter (Face-down) / Exit Paper Path

Blue: Duplex Paper Path

Green: Purge Paper Path

Drive Layout



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No.	Description	No.	Description
1	Duplex Exit Motor	8	Duplex Inverter Entrance Motor
2	Duplex Transport Motor	9	Exit Motor
3	Duplex Invert Solenoid	10	Fusing Drive Motor
4	Duplex Inverter Motor	11	Duplex Transport Shift Motor 1
5	Exit Inverter Motor	12	Duplex Transport Shift Motor 2
6	Duplex Inverter Solenoid	13	Sensor Shift Home Position Switch
7	Inverter Junction Gate Motor		

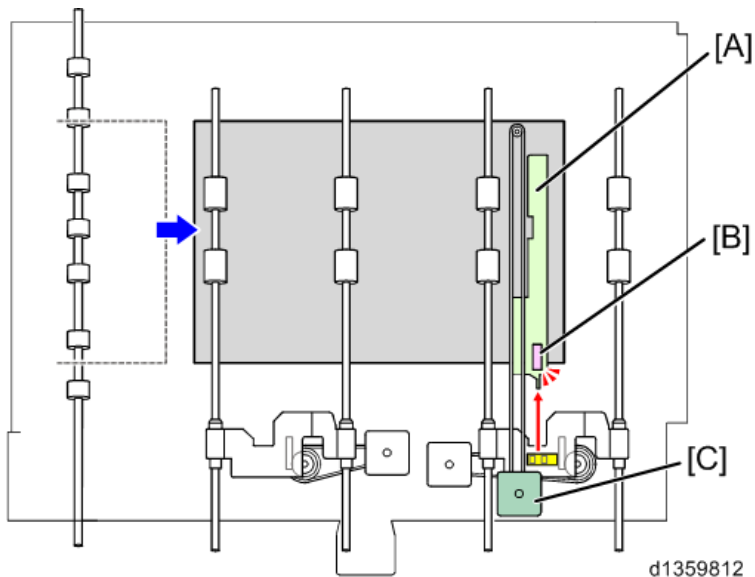
Mechanism Details

Transport Operation

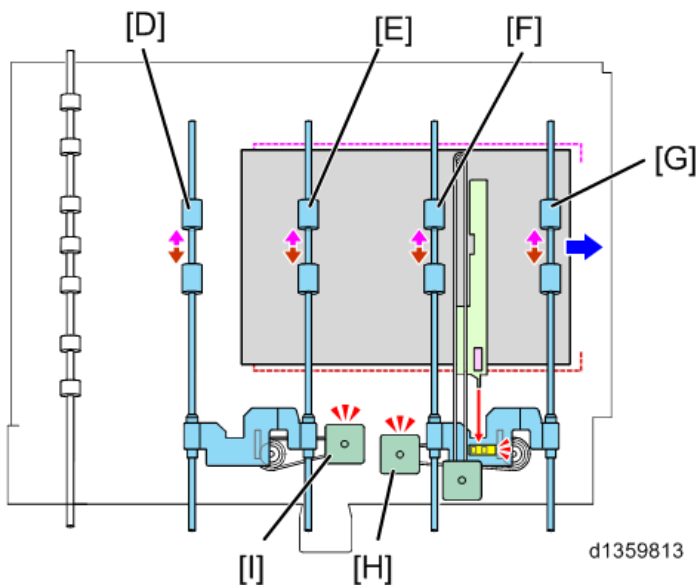
Side-to-side Registration

In this machine, rollers in duplex paper path shift to perform side-to-side registration.

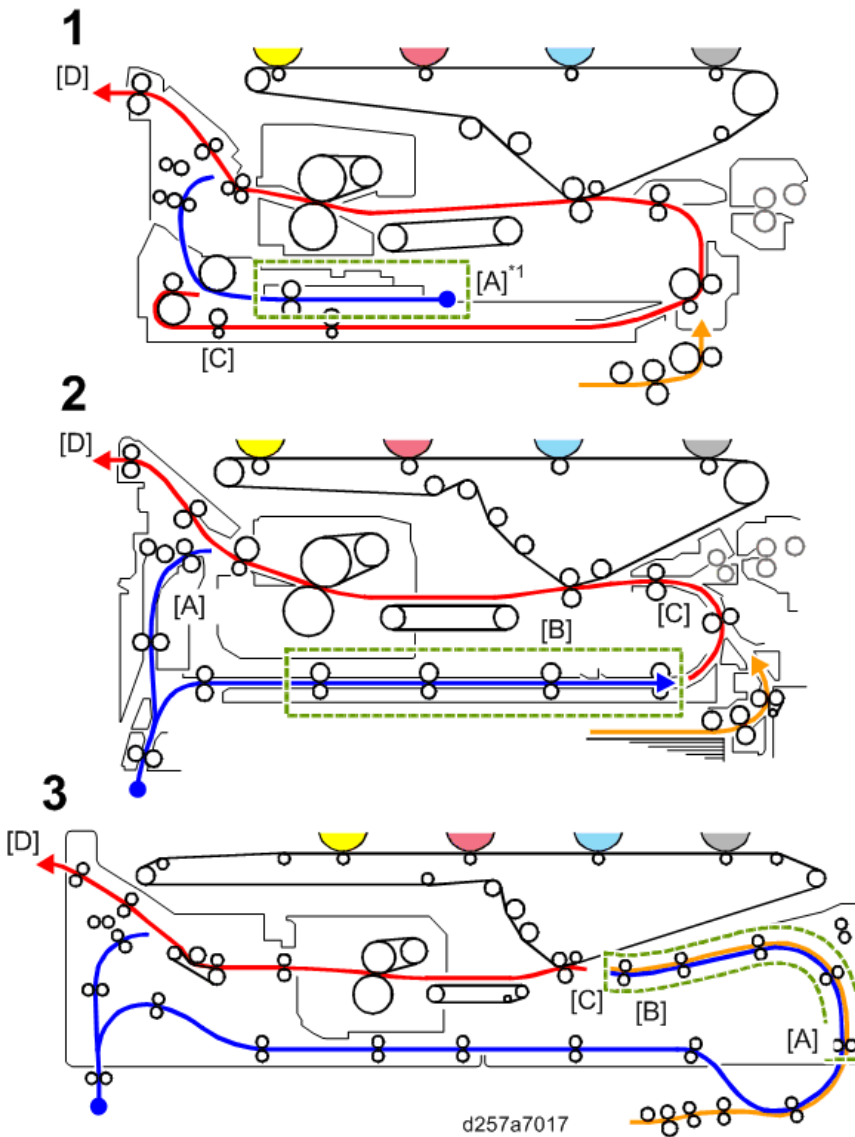
After the leading edge of the paper passes the edge detection unit [A], the edge detection sensor [B] shifts in the main-scan direction to detect the paper edge. The edge detection sensor [B] is driven by the edge detection sensor shift motor [C].



For paper with a feed length of 220 mm (8.66 inches) or less (A4 LEF / LT LEF or less), the duplex transport roller 4 [F] and the duplex exit roller [G] shift in the main-scan direction in order to adjust the paper position in the main-scan direction after the leading edge of the paper passes the duplex exit roller [G]. The machine corrects the paper position in the main-scan direction based on the data detected by the edge detection sensor [B]. The duplex transport roller 4 [F] and the duplex exit roller [G] are driven by the duplex transport shift motor 2 [H]. For paper with a feed length of more than 220 mm (8.66 inches) (B5 SEF or more), the duplex transport shift motor 1 [I] drives in addition to the duplex transport shift motor 2 [H], so that the duplex exit roller [G] and the duplex transport roller 2/3/4 [D] [E] [F] move at the same time to adjust the paper position in the main-scan direction. The adjustment amount can be set with SP1-003-017 to 022 (Duplex Side-to-Side Reg Adj: Tray1-3) for each tray. The machine adds the value of SP1-003-017 to 022 to the value of SP1-003-006 (Side-to-Side Reg: Duplex), and then performs image adjustment for the second side. This value is fixed within $\pm 3\text{mm}$.



Comparing Side-to-side Registration Methods of Similar Models



No.	Description
[A]	The paper enters the side-to-side registration section.
[B]	The machine detects the leading edge of the paper.
[C]	The paper exits from the side-to-side registration section.
[D]	The paper exits from the machine.
*	The machine does not have the mechanism for [B].

1. MPC7501/MPC6501 (Jogger Fence Method)

The registration correction is performed by the jogger fence when the machine transports the paper from the duplex inverter path to the duplex paper path by switching back. Therefore, the paper position and distance between the sheets are not adjusted for the first print side of the paper. The transport distance between the end of the registration section and the image transfer section is long.

2. MPC6503/C8003, Pro C5200S/C5210S (Roller Shift Method)

The machine detects the leading edge of the paper, and then perform the registration correction with the paper transport roller using the detected data. The registration correction is performed in the duplex paper

path. Therefore, the paper position and distance between the sheets are not adjusted for the first side of the paper. The transport distance between the end of the registration section and the image transfer section is shorter than that of MP C7501/C6501. This means that the paper transport stability of this machine is superior to MP C7501/C6501.

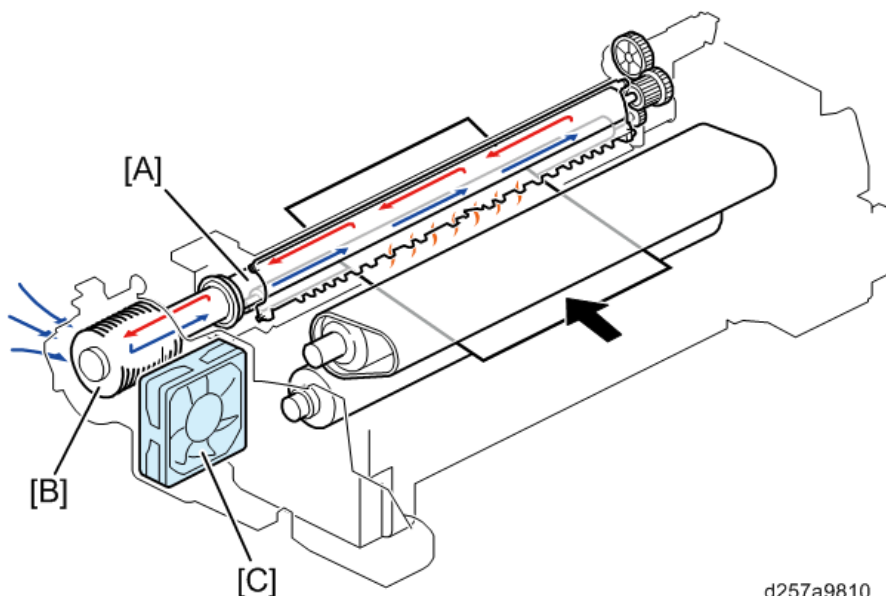
3. ProC751EX/Proc651EX (Roller Unit Shift Method)

Regardless of first side or second side printing, the machine performs the registration correction whenever the paper passes the shift unit in the paper transport section. Therefore, the registration correction is performed before the image transfer for both sides of the paper. This means that this machine has high stability for transporting the paper and high registration accuracy for both sides of paper.

Inverter, Paper Exit

Paper Cooling

The fusing heat pipe roller [A] cools the paper ejected from the fusing unit. The fusing heat pipe roller [A] has a fin [B] at one end. The fusing heat pipe cooling fan [C] cools the fin in order to cool the entire pipe.

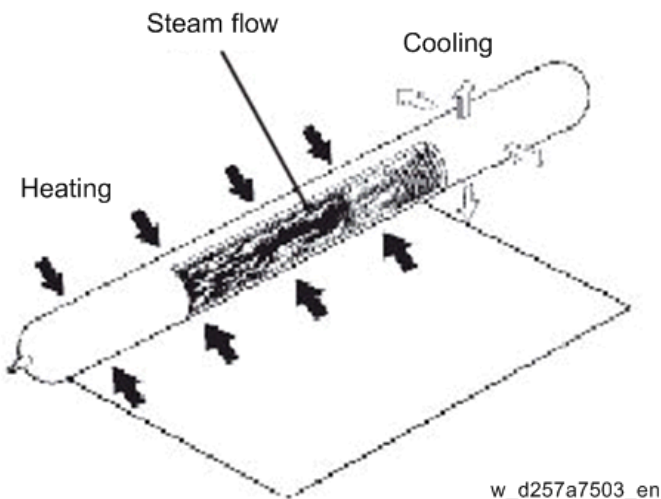


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The heat improves the heat transfer efficiency.

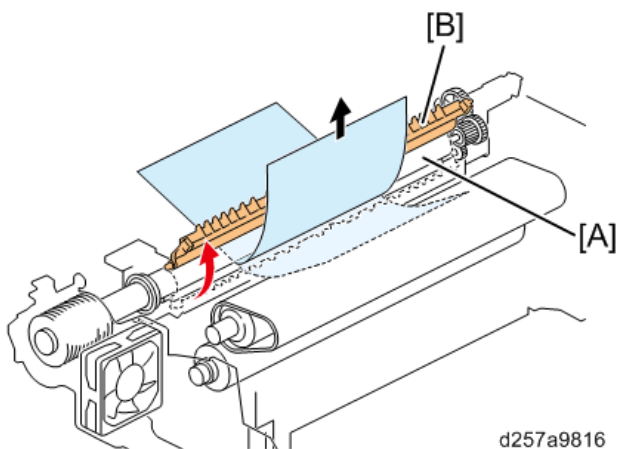
The heat pipe is a sealed pipe made of metal. It is filled with a small amount of water as the working fluid. When one side of the heat pipe is heated while the other side is cooled, the working fluid at the heating side evaporates. The evaporated working fluid turns into steam and it moves to the cooling side at high speed. When the steam makes contact with the inner wall of the heat pipe at the cooling side, the steam condenses. The condensed fluid moves to the heating side by capillary action. The machine efficiently transfers the heat by repeating this cycle (The working fluid evaporates -> The steam moves to the cooling side -> The steam condenses).

7.Detailed Descriptions



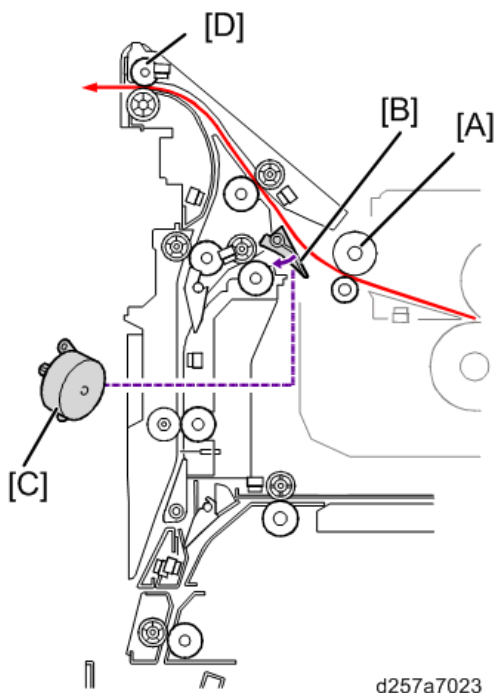
Fusing Heat Pipe Guide Plate

When a paper jam occurs and the paper remains between the fusing heat pipe roller [A] and the fusing heat pipe guide plate [B], the fusing heat pipe guide plate [B] can be lifted by pulling out the paper as shown below, so that the paper is not caught by the fusing heat pipe guide plate and the jammed paper can be easily removed. This mechanism prevents the jammed paper from tearing into pieces.



Straight Through Output (Face-up Output)

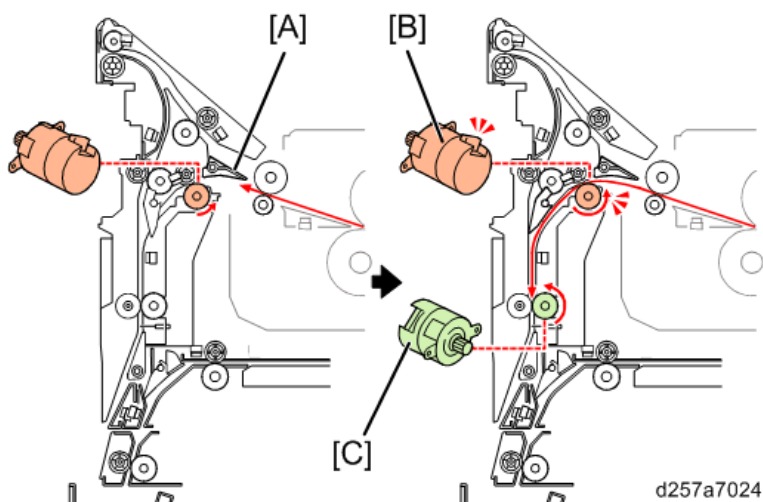
With straight through output, paper from the fusing unit passes under the fusing heat pipe roller [A]. When the inverter junction gate motor [C] drives counterclockwise for a certain time, the inverter junction gate [B] is pushed down and the paper is sent to the exit roller [D]. This roller transfers the paper to the downstream device, under the control of the exit motor.



Inverter Output (Face-down Output)

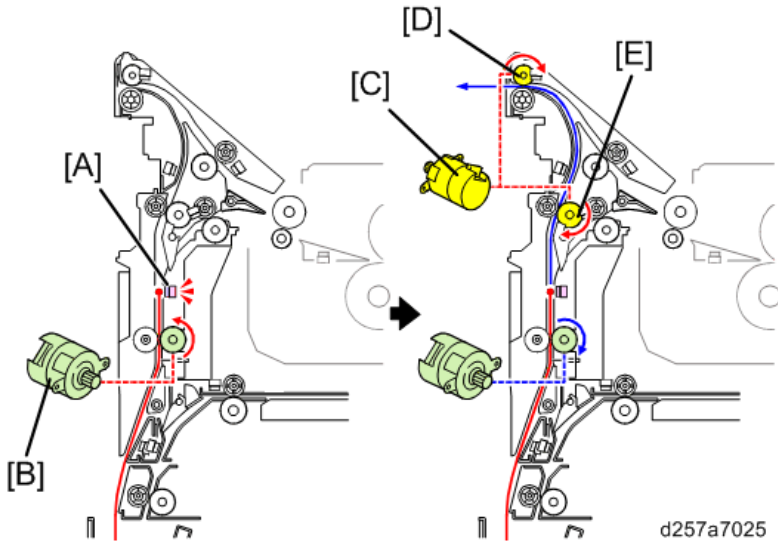
With inverter output (face-down output), the paper that is passed under the fusing heat pipe roller is sent to the inverter exit path with the inverter junction gate [A]. The inverter junction gate motor keeps driving clockwise for a certain time, and then stops.

The leading edge of the paper reaches the exit inverter roller, then the duplex inverter entrance motor [B] starts and transports the paper to the inverter section. After the trailing edge of the paper is ejected from the fusing heat pipe roller, the machine speeds up the duplex inverter entrance motor [B] and the exit inverter motor [C] .



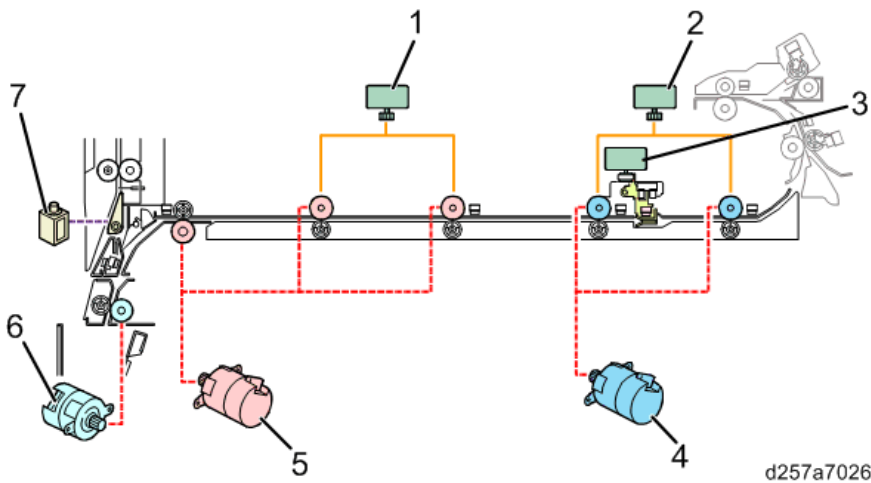
When the inverter exit sensor [A] detects the trailing edge of the paper, the exit inverter motor [B] rotates in reverse and transports the paper to the exit section (inverter transport). In the exit section, the paper exit motor [C] drives the paper exit roller [D] and the inverter exit roller [E] to eject the paper.

7.Detailed Descriptions



Duplex

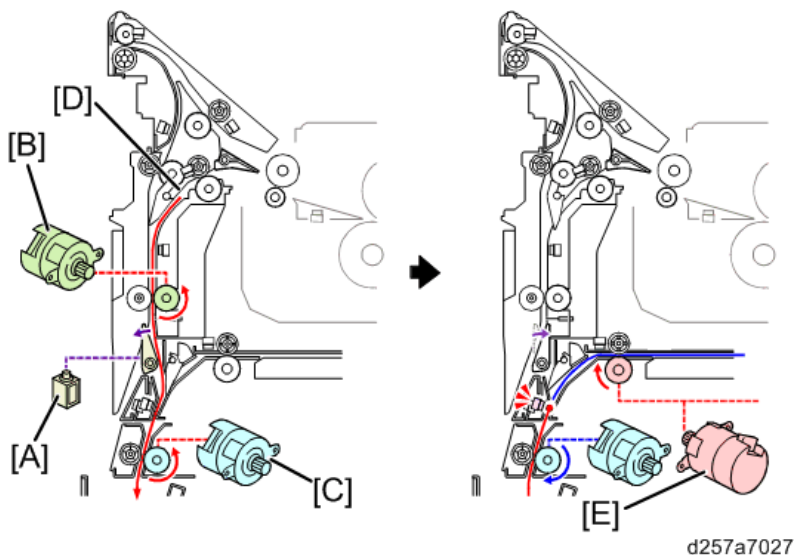
Drive Components



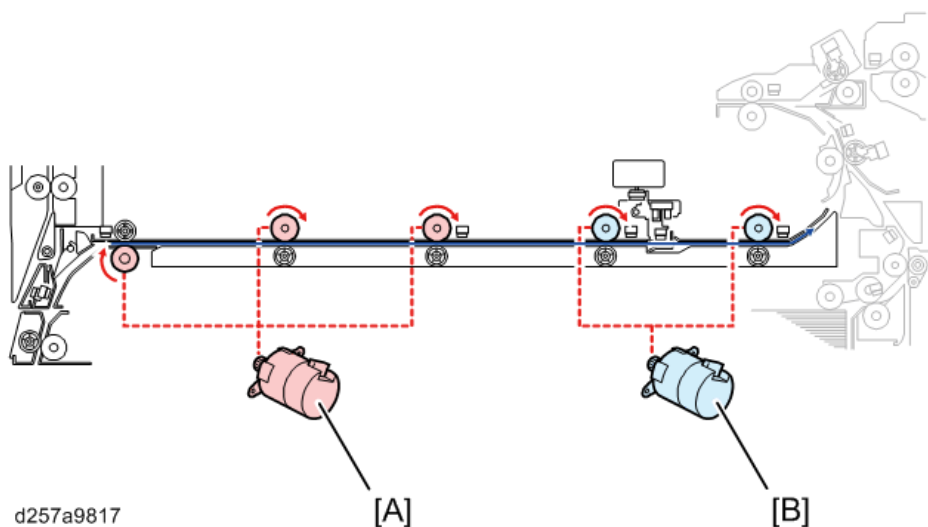
No.	Description	No.	Description
1	Duplex Transport Shift Motor 1	5	Duplex Transport Motor
2	Duplex Transport Shift Motor 2	6	Duplex Inverter Motor
3	Edge Detection Sensor Shift Motor	7	Duplex Invert Solenoid
4	Duplex Exit Motor		

Duplex Transfer

When the inverter feed-in sensor [D] detects the leading edge of the paper, the duplex invert solenoid [A] turns ON and transports the paper towards the duplex section. The exit inverter motor [B] and the duplex inverter motor [C] drives to transport the paper to the inverter path. Then the duplex inverter motor [C] rotates in reverse and transports the paper to the duplex paper path (this is called a switchback operation).



The paper that has entered the duplex transport path is transported by the three duplex transport rollers (driven by the duplex transport motor [A]) and the two duplex transport rollers (driven by the duplex exit motor [B]), and then enters the paper transport section for the second side printing.



Duplex Interleaving

The interleave process during duplex printing is different, depending on the size of the paper as described below.

Paper Length	Interleaved Sheets
Longer than or equal to 139.7 mm (5.5 inches), shorter than or equal to 220 mm (8.66 inches)	3
Longer than 220 mm (8.66 inches), shorter than or equal to 487.7 mm (19.2 inches)	2

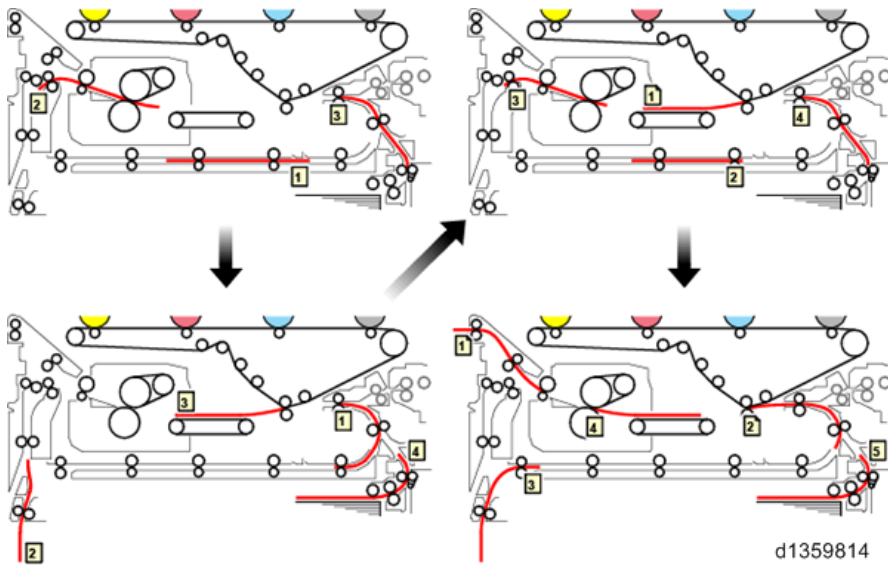
Paper location and flow in a 3-sheet interleaving pattern

The image transfer order in a 3-sheet interleaving pattern is as follows:

1st sheet (front side) -> 2nd sheet (front side) -> 3rd sheet (front side) -> 1st sheet (back side) -> 4th sheet (front side) -> 2nd sheet (back side) -> 5th sheet (front side) -> 3rd sheet (back side) -> 6th sheet (front side) -> 4th sheet

7.Detailed Descriptions

(back side) -> 7th sheet (front side)...

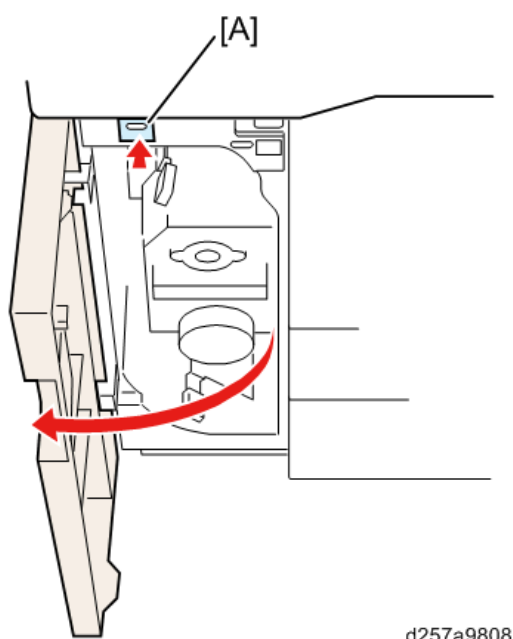


Paper Purge

Mechanism Descriptions

When the LED switch [A] at the lower left side of the machine is pressed, the machine ejects paper which remains in the machine.

- When a paper jam has occurred in the inverter exit path:
When the paper straddles the drawer unit and the main machine, the paper is transported towards the downstream device by pressing the LED switch [A].
- When a paper jam has occurred in the duplex inverter path:
When the paper straddles the drawer unit and the main machine, the paper is transported to the paper purge tray by pressing the LED switch [A].



Mechanism Details

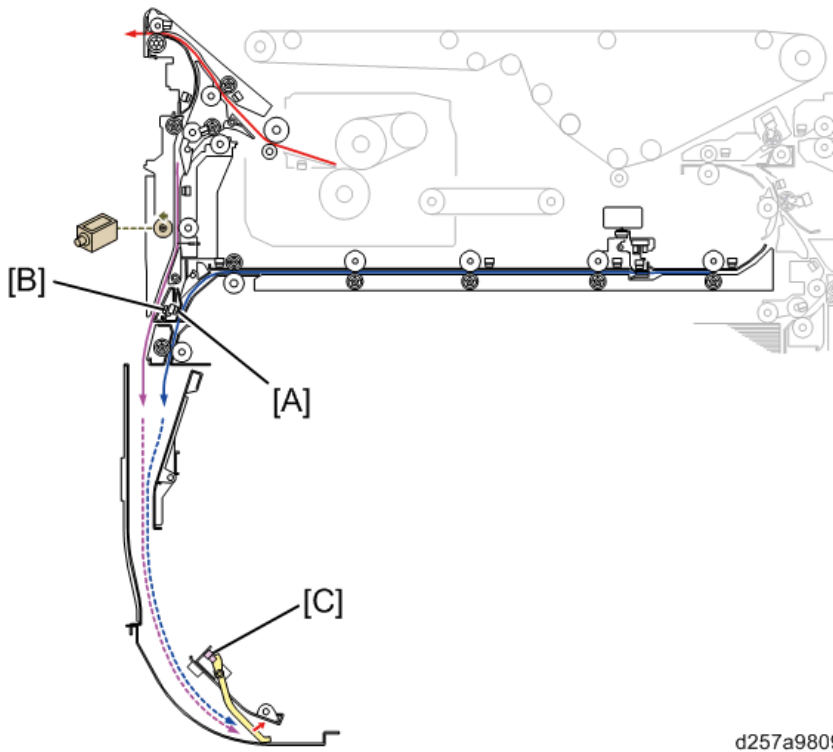
If the LED switch at the lower left side of the machine is pressed when a paper jam has occurred, the paper which straddles the drawer unit and the main machine is transported to the downstream device or the purge tray.

If the duplex invert sensor [A] or the purge relay sensor [B] detects paper when the LED switch is pressed, the machine drives the following motors to feed the paper to the purge tray.

- Duplex Inverter Entrance Motor
- Exit Inverter Motor
- Duplex Inverter Motor (Drives only when the duplex inverter sensor is ON.)
- Duplex Transport Motor (Drives only when the duplex entrance sensor is ON. The motor is rotated in reverse.)

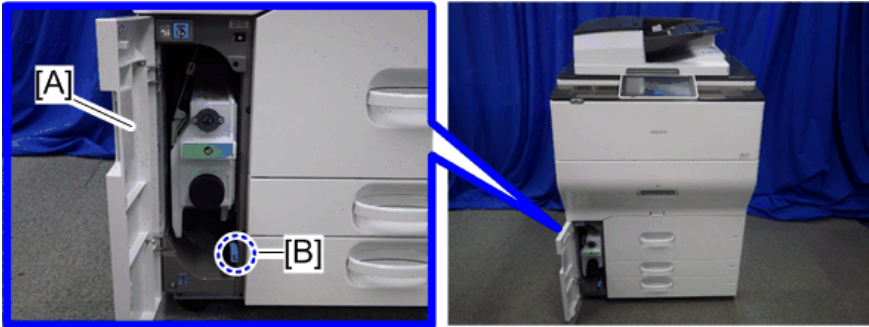
The purged paper sensor [C] detects paper in the purge tray.

7.Detailed Descriptions



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If the purged paper sensor detects paper or if the E5 guide plate [B] is opened while the lower left door [A] is opened, the purge tray LED is lit. Therefore, the status of the purge tray can be easily seen by the purge tray LED.



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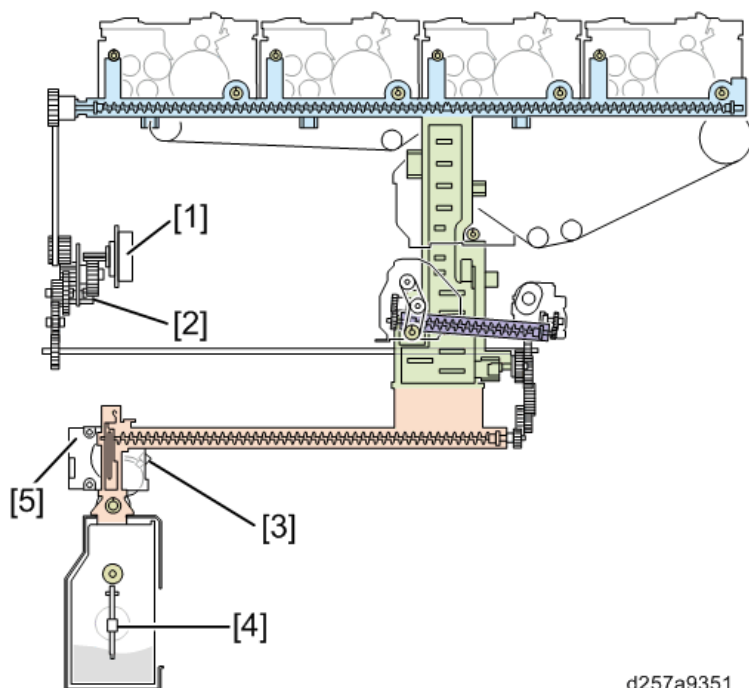
Waste Toner Collection

Mechanism Descriptions

Component Layout

The used toner, used developer, and paper dust from each unit are automatically collected and transported to the waste toner bottle.

The waste toner path is composed of three sections; the upper waste toner path, vertical waste toner path, lower waste toner path.



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No.	Description	No.	Description
1	Waste Toner Collection Motor	4	Waste Toner Near Full Sensor
2	Waste Toner Lock Sensor	5	Waste Toner Transport Motor
3	Waste Toner Bottle Motor Sensor		

Mechanism Details

Waste Toner Path

There are three waste toner paths in this machine.

- **Upper Waste Toner Path**
The waste toner [B] from the drum cleaning unit and the used developer [A] from the development unit are transported to the upper waste toner path.
- **Vertical Waste Toner Path**
The waste toner and paper dust [C] from the ITB cleaning unit are transported to the vertical waste toner path.

7.Detailed Descriptions

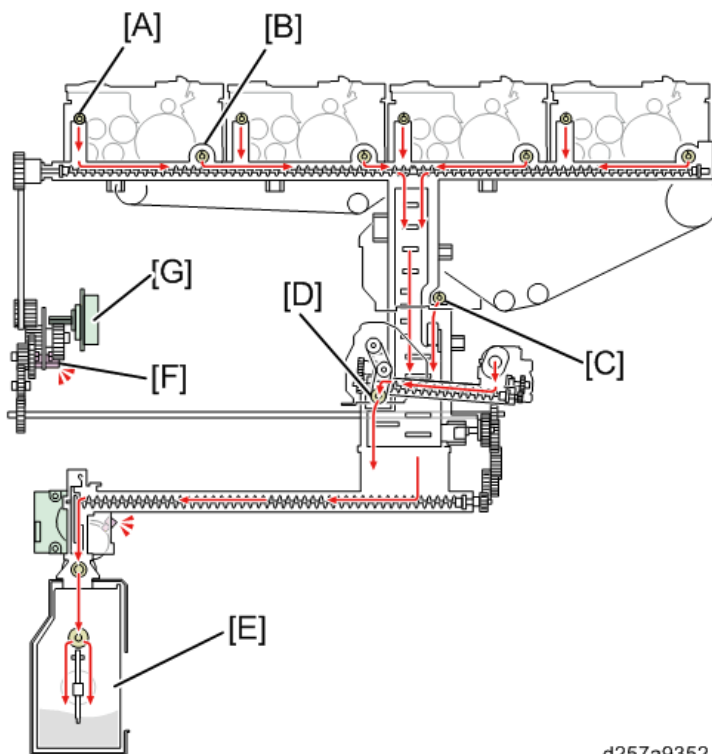
The waste toner and paper dust [D] from the paper transfer belt cleaning section are transported to the vertical waste toner path.

- Lower Waste Toner Path

The waste toner, used developer, and paper dust fallen from the vertical toner path are transported to the waste toner bottle [E].

When the transport coil [B] is clogged and cannot rotate while transporting the waste toner, the waste toner lock sensor [F] detects this, and the machine stops the waste toner collection motor [G]. Then SC488 (Machine Waste Toner Lock Detection Error) is displayed on the operation panel.

When the torque of the transport coils in the waste toner path increases while transporting the waste toner, the torque limiter slips. Then the waste toner lock sensor [F] detects the torque increase and the machine stops the waste toner collection motor [G]. Then SC488 (Machine Waste Toner Lock Detection Error) is displayed on the operation panel.

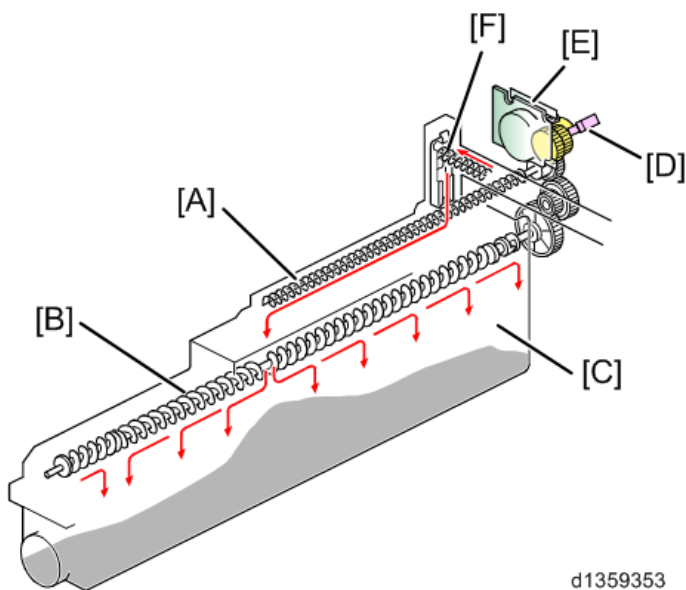


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Waste Toner Bottle Transfer, Waste Toner Bottle Drive, Torque Detection Part

The waste toner transferred from the lower waste toner path falls into the waste toner bottle [C] via the toner collection transfer coil [A] and the collection bottle transfer coil [B]. The toner collection transfer coil [A] and the collection bottle transfer coil [B] are driven by the waste toner transport motor [E] via gears.

When the torque of the toner collection transfer coil [A] or the collection bottle transfer coil [B] increase, the torque limiter slips. Then the waste toner bottle motor sensor [D] detects the torque increase and the machine stops the waste toner transport motor [E]. The machine displays on the operation panel that the waste toner bottle is full. After removing/installing the waste toner bottle while the main power is on, the machine displays SC486 (Bottle Waste Toner Lock Detection Error) on the operation panel if the waste toner bottle motor sensor [D] detects the torque increase again while the waste toner bottle motor is driving.



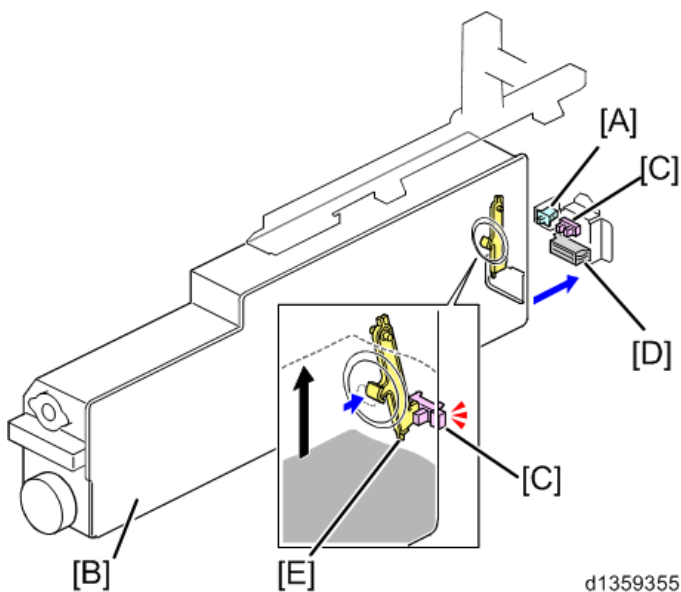
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Sensor Detection

The waste toner bottle set sensor [A] judges whether the waste toner bottle [B] is set properly or not.

The waste toner near full sensor [C] detects when the waste toner bottle is getting full. As the waste toner piles up in the waste toner bottle, the feeler [E] is pushed by the waste toner, and then the feeler interrupts the waste toner near full sensor [C]. Then the machine assumes the waste toner bottle is in a near-full state. Waste toner bottle full detection occurs at 30K for MP C6503/C8003, or 12K for Pro C5200S/C5210S after near-full detection. The waste toner flows into the waste toner bottle from the central part, and then it falls down to the front and rear in order not to pile up all in one place.

When the waste toner bottle [B] is placed in the machine, the magnet catch [D] attracts the plate that is attached to the waste toner bottle [B] in order to set the waste toner bottle correctly. At this time, the waste toner bottle pushes the waste toner bottle set sensor [A] that detects whether there is a waste toner bottle in the machine.



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7.Detailed Descriptions

Notification Timing of the Waste Toner Full State

The waste toner full state is reported to the @Remote server and displayed on the operation panel the following number of days before the waste toner bottle becomes full.

Model	@Remote server	Operation panel
Pro C5200S/C5210S	14 days *1	5 days *2
MP C6503/C8003	15 days *1	5 days *2

*1 This can be changed with SP7-958-142 (PM Value Setting:DaysThreshold) in accordance with the user's request or machine usage.

*2 This can be changed with SP3-800-014 (Waste Toner Full Detection: Threshold : Remainder days) in accordance with the user's request or machine usage.

The machine can print the following number of sheets after the waste toner full state is reported to the @Remote server and displayed on the operation panel.

Model	@Remote server	Operation panel
Pro C5200S/C5210S	10K	3K
MP C6503/C8003	15K	3K

Note

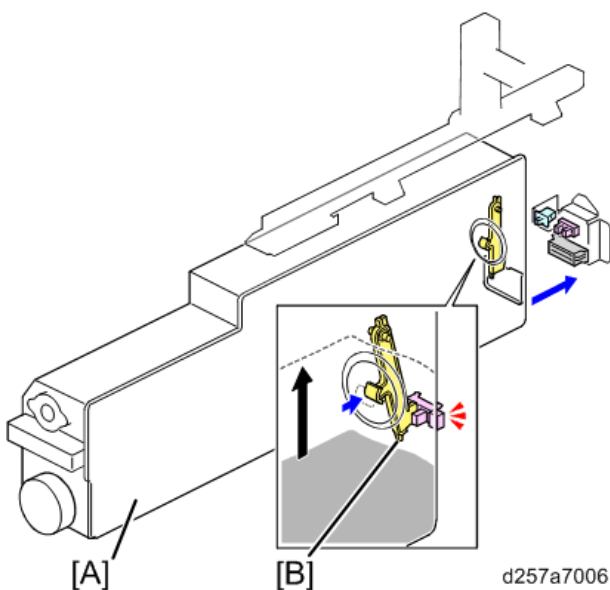
The machine can print the number of sheets shown above if the machine is used under the following conditions.

- Pro C5200S/C5210S: 20P/J, A4 LEF in duplex mode, color ratio 60%, image area ratio 8.75%
- MP C6503/C8003: 5P/J, A4 LEF in simplex mode, color ratio 40%, image area ratio 5%

New Waste Toner Bottle Detection

This machine does not have a new waste toner bottle detection feature.

The machine recognizes that a new waste toner bottle has been installed when the feeler [B] returns to the regular position after the waste toner bottle [A] is removed.



Counter for the Remaining Life of the Waste Toner Bottle

Even if the waste toner bottle is replaced, the counter for the remaining life of the waste toner bottle (days until the waste toner bottle becomes full) is not reset automatically. The machine keeps counting until the counter becomes "0" even after the waste toner bottle is replaced. Therefore, the machine does not use this counter for new waste toner bottle detection.

PM Counter of the Waste Toner

The PM counter of the waste toner indicates the amount of toner (mg) in the waste toner bottle.

The capacity of the waste toner bottle is 2280g. The machine detects the near-full state when the toner in the waste toner bottle becomes 1850g.

Days Remaining Counter of the Waste Toner Bottle

The replacement time of the PM part can be estimated from the days remaining counter.

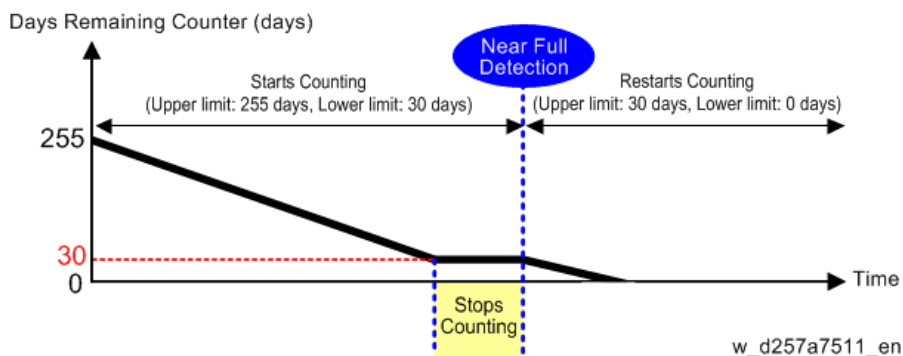
Days Remaining Counter

The days remaining counter shows the remaining days until replacement is required for the PM part. The machine calculates the consumption of the PM part from the number of printed sheets and the number of days having passed since the last replacement, and then displays the remaining days in the SP mode. When the waste toner bottle is replaced, the days remaining counter of the waste toner bottle starts counting. The count starts from 255 (days). The days remaining counter of the waste toner bottle can be checked with SP7-951-142.

However, the amount of waste toner accumulated inside the waste toner bottle differs according to the printing conditions, such as the toner coverage of the image. Therefore, the days remaining counter which is calculated from the number of printed sheets is only a reference value. To bring the days remaining counter closer to the actual waste toner bottle condition, the output from the waste toner near full sensor is also used, as follows. Until the waste toner near full sensor detects the near-full state, the days remaining counter counts from 255 to 30 (days). Then the days remaining counter counts from 30 to 0 (days) after the waste toner near full sensor detects the near-full state.

- When the days remaining counter is faster than the actual waste toner bottle status;

If the waste toner near full sensor does not detect the near-full state when the days remaining counter reaches 30 (days), this means that the days remaining counter is faster than the actual waste toner bottle condition. Therefore, the days remaining counter stops counting when the counter reaches 30 (days). Then, after the waste toner near full sensor detects the near-full state, it restarts counting from 30 (days).

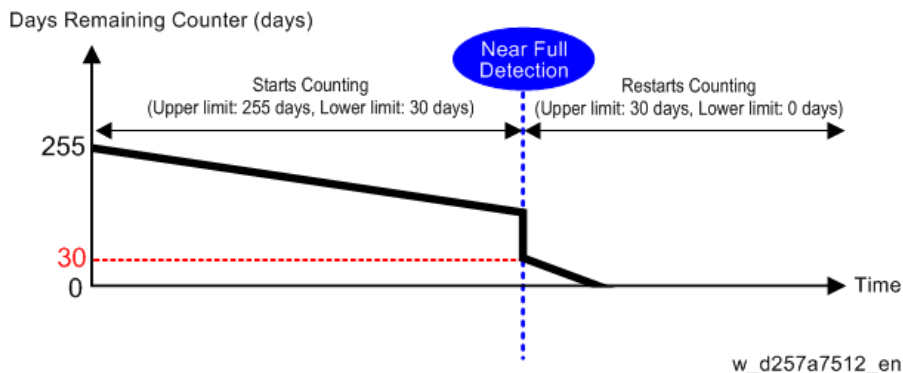


7.Detailed Descriptions

- When the days remaining counter is slower than the actual waste toner bottle status;

If the waste toner near full sensor detects the near-full state before the days remaining counter reaches 30 (days), this means that the days remaining counter is slower than the actual waste toner bottle condition.

When the waste toner near full sensor detects the near-full state, the days remaining counter is reset to 30 (days) and starts counting from there.



Operation Control According to Changes in the Days Remaining Counter

The machine does the following based on the value of the days remaining counter.

- 1.** The waste toner bottle is replaced.
- 2.** The days remaining counter starts counting from 255 (days).
- 3.** When the waste toner near full sensor detects the near-full state, the days remaining counter starts counting from 30 (days).
- 4.** When the days remaining counter reaches 15 (days)^{*1}, an @Remote warning is given (only in the models with @Remote connection).
- 5.** When the days remaining counter reaches 5 (days)^{*2}, the machine displays the near-full state on the operation panel.
- 6.** When the number of sheets printed from the near-full detection^{*3} reaches the prescribed number or when the amount of waste toner inside the waste toner bottle accumulated from the near-full detection^{*3} reaches the prescribed amount, the machine displays the full state on the operation panel and stops the operation.

*1 This can be changed with SP7-958-142 (PM Value Setting:DaysThreshold).

*2 This can be changed with SP3-800-014 (Waste Toner Full Detection: Threshold : Remainder days).

*3 This 'the near-full detection' means when the waste toner near full sensor detects the near-full state.

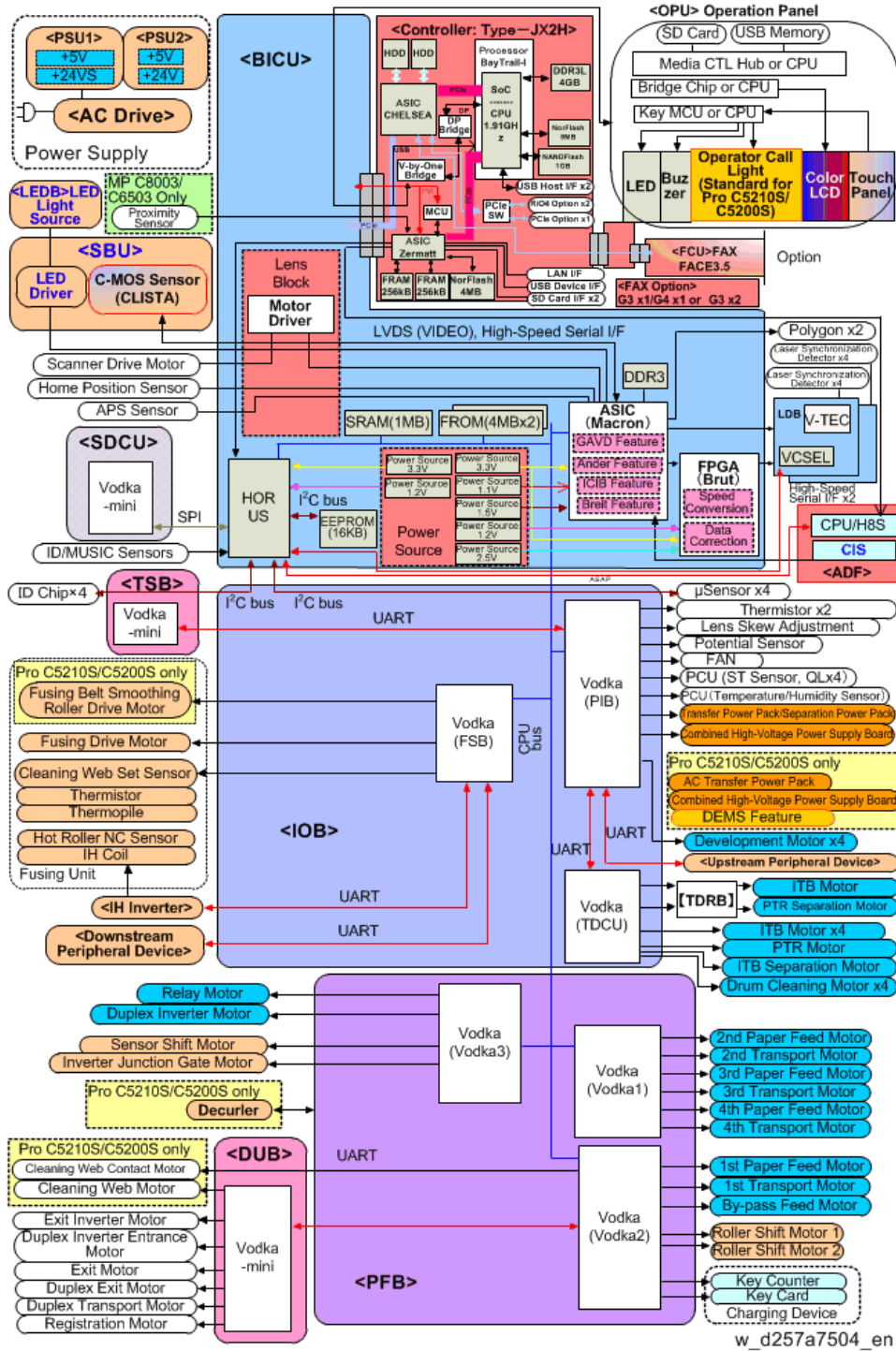
PM Counter of the Waste Toner Bottle

The PM counter of the waste toner bottle can be checked with SP7-621-142. The PM counter indicates the amount of toner (mg) in the waste toner bottle. The capacity of the waste toner bottle is 2280g. The machine detects the near-full state when the toner in the waste toner bottle becomes 1850g.

Electrical Components

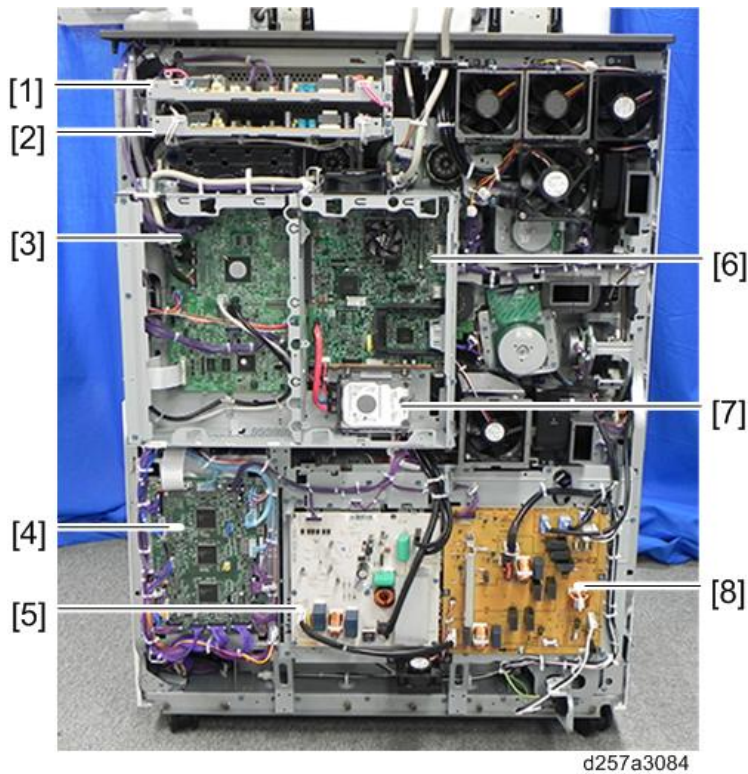
Mechanism Descriptions

Block Diagram



7.Detailed Descriptions

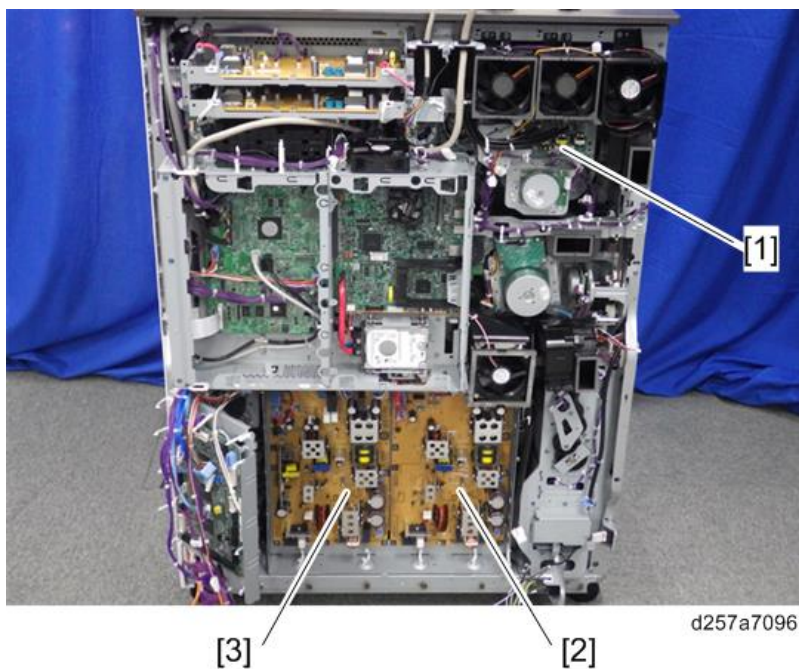
Board Location



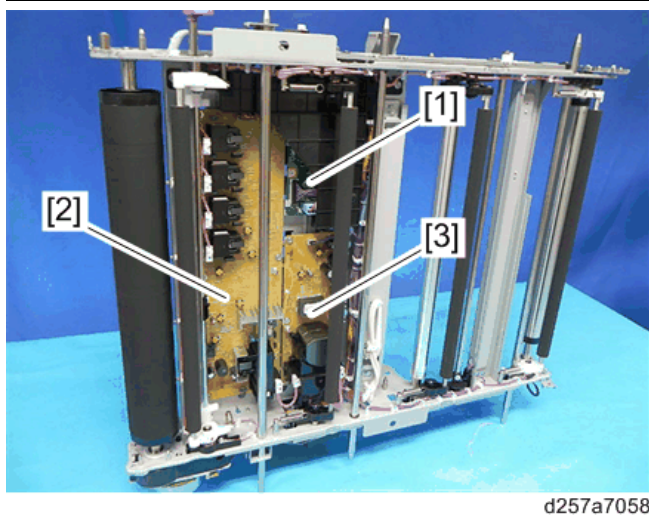
No.	Description	No.	Description
1	Combined High-Voltage Power Supply Board (MY)	5	IH Inverter
2	Combined High-Voltage Power Supply Board (KC)	6	Controller Board
3	BICU	7	HDD Unit
4	PFB	8	AC Drive Board



No.	Description
1	IOB

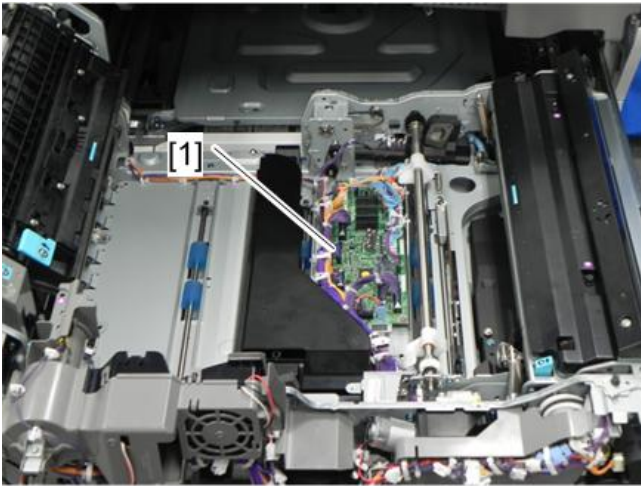


No.	Description	No.	Description
1	Potential Sensor Board (located behind the drive exhaust fan)	3	PSU1 (located behind the IH inverter)
2	PSU2 (located behind the IH inverter)		



No.	Description	No.	Description
1	TDRB	3	AC Transfer Power Pack (Pro C5200S/C5210S Only)
2	Transfer Power Pack/Separation Power Pack		

7.Detailed Descriptions



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No.	Description
1	DUB



[1]

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No.	Description
1	Toner Supply Board (TSB)

Outline of Each Board

- IOB (IN/Out Control Board)

Controls solenoids, motors and sensors in the engine section.

- PFB (Paper Feed Board)

Controls solenoids, motors and sensors in the paper transport section.

- DUB (Drawer Unit Board)

Controls solenoids, motors and sensors in the drawer unit.

- TSB (Toner Supply Board)

Controls motors and sensors in the toner supply unit.

- BICU (Base-engine, Image Processing & Control Unit)

Controls the engine and the image process.

- Controller Board

Controls whole machine systems such as:

- Printer / Scanner Control
- Memory Control (including the HDD)
- Operation Panel Control

This board has a Dip switch (default: on). But this should not be changed or used normally.

- SBU (Sensor Board Unit)
Converts a CCD scanned image into analog signals and also converts analog signals into digital signals. The SBU interfaces with the BICU and controls scanner internal I/O signals according to the instructions from the CPU.
- Transfer Power Pack/Separation Power Pack
Generates the high voltage power supplies for the copy process.
- AC Transfer Power Pack (Pro C5200S/C5210S Only)
Generates the high voltage power source for AC transfer.
- TDRB (Transfer Driver Board)
Controls the ITB unit.
- LDB (Laser Diode Drive Board)
LD control board that drives the VCSEL.
- OPU
Controls the operation panel.
- AC Drive Board
Performs AC control for the fusing heater and the anti-condensation heater.
- PSU (Power Supply Unit)
Supplies DC power to each board. The major difference between PSU1 and PSU2 is as follows.
 - PSU1: The converter for energy saving is fixed on the board (The standing substrate is fixed on the board). The 24V power supply is cut off by an interlock switch*1.
 - PSU2: The 24V power supply is not cut off by an interlock switch*1.

*1 Drawer safety switch 1/2, Vertical transport door set switch, Toner supply unit safety switch 1/2
- IH Inverter
Controls the power supply for the heating roller in the fusing unit and the IH coil.

CAUTION

- If the AC power cord is connected to an electrical outlet, power is supplied to the controller board, the operation unit and other modules even when the main power is turned OFF. Therefore, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always unplug the AC power cord.

HDD Details (Memory Capacity for Stored Documents)

This machine has HDD (320GB x 2) for image storage.

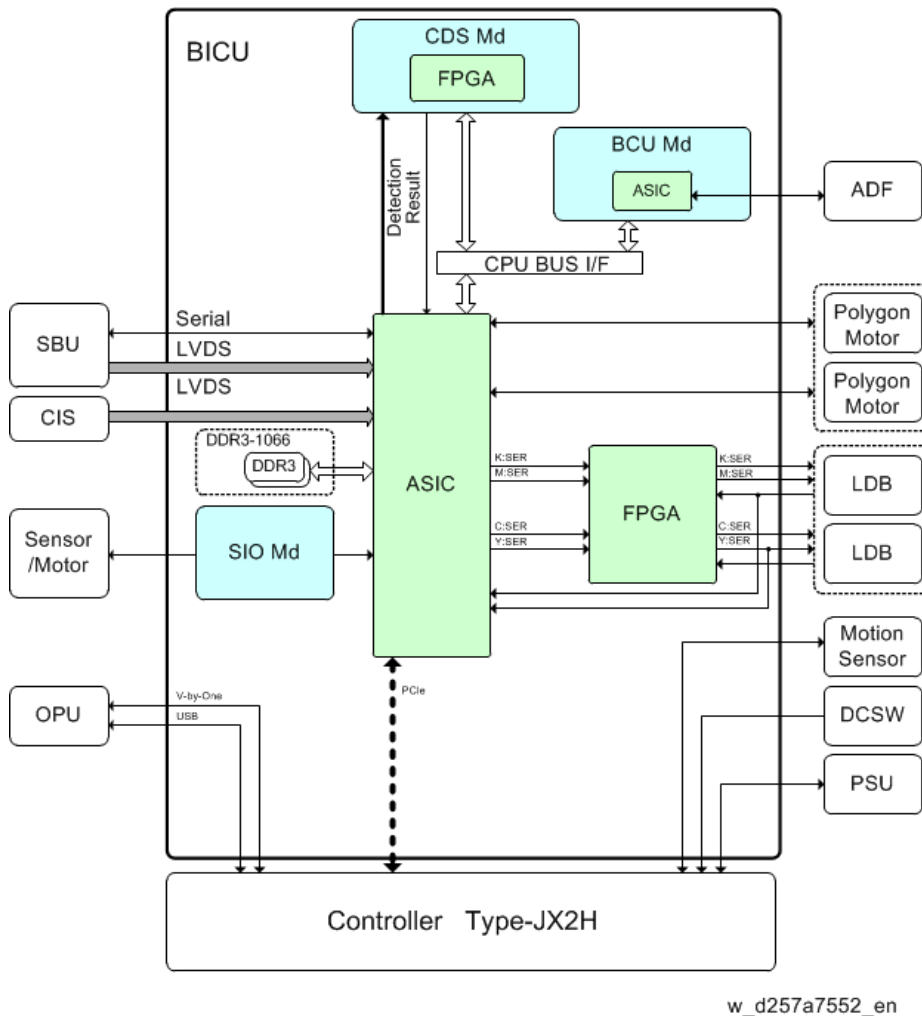
7.Detailed Descriptions

Item	Specification
Memory Capacity	320GB×2
Memory Capacity for Document Box	170GB
Store Capacity	Storing only with the copy function (A4): <ul style="list-style-type: none"> • BW Original: Approx. 15,000 pages • Full-color Original: Approx. 5,000 pages
	Storing only with the printer function (A4, 600dpi, 2bit): <ul style="list-style-type: none"> • BW Original: Approx. 15,000 pages • Full-color Original: Approx. 15,000 pages
	Storing only with the scanner function (A4, 200dpi, 8bit/JPEG): Approx. 15,000 pages
Document Box Capacity	Max. 3,000 docs
Total Page Capacity in All Functions	Total 15,000 Pages
Page Capacity per document	Max. 3,000 Pages /document
Memory Sort Capacity	Approx. 40GB - Details - For copier: 25GB For printer: 8GB For printer interruption: 8GB

Image Processing

Mechanism Descriptions

Block Diagram



Mechanism Details

SBU: Sensor Board Unit

Converts the image reflected from the front side of the originals into digital image signals, then transmits them to the BICU.

CIS: Contact Image Sensor

Converts the image reflected from the back side of the originals into digital image signals, then transmits them to the BICU.

Characteristic Value Memorization

SBU characteristics are stored in the BICU. These characteristic values need adjustment when the lens block is

7.Detailed Descriptions

replaced.

- SP4-008-001 (Sub Scan Magnification Adj)
- SP4-010-001 (Sub Scan Registration Adj)
- SP4-011-001 (Main Scan Reg)
- SP4-688-002 (Scan Image Density Adjustment)

Preventing Dirty Background for DF Scanning

The scanned density difference between ADF and Book scanning can be adjusted with SP4-688-002 (Scan Image Density Adjustment). Adjusting the scanned density difference prevents image problems such as dirty background.

Test Mode

SP4-699-001 generates a VPU test pattern as a diagnostic tool for SBU malfunctions. Press [Start] after selecting the VPU test pattern in SP4-699-001. The VPU test pattern is output. The SBU state can be checked with the output image.

SP4-699-001 (SBU Test Pattern Change)

Setting Value	Description
0 (default)	Image output
1	Test pattern output / Fixed-value output (682-digit)
2	Test pattern output / Horizontal gradation pattern (10-bit tone, 2-dots/step)
3	Test pattern output / Vertical gradation pattern (10-bit tone, 2-lines/step)
4	Test pattern output / Grid pattern (20mm x 10mm Grid pattern)

BICU Function Outline

- Scanner Data Processing
An ASIC on the BICU performs scanner processing, including black level correction, white level correction, and gray balance correction. The ASIC on the BICU also has AE (automatic exposure control) function.
- Converts image signals from the SBU and CIS into various types of image, and outputs them to the controller (memory) via a PCI bus.
- Receives image signals from the controller (memory) via a PCI bus, and converts them into images to output to the LDB.
- Outputs the sheet-through ADF control signal.
- Relays various types of signals and power sources.

Image Processing Outline

In the BICU, digital image signals that are transmitted from the SBU pass through processes such as shading correction, line-to-line adjustment, and other image processing. Then image data is converted into digital signals (2-bits/pixel, or 4-bits/pixel) and sent to the printer unit. (For details about image data flow, see [Block Diagram](#))

Process Control

Mechanism Descriptions

In the electro-photographic process, the optimum parameters for maintaining image quality vary due to the following factors: fluctuations in humidity and temperature, print mode (image dimensions, P/J), and ageing and degradation of toner, developer, and drum. So the machine needs to determine the best conditions by detecting the development ability (development gamma) of the machine at certain times.

Process control adjusts the image writing conditions for keeping image density steady. In this machine, there are two types of process control as follows:

- **Potential Control**

Controls development potential, which is the gap between the drum potential and the development bias, in order to keep the targeted tone.

- **Toner Supply Control**

Controls the toner supply amount for the development unit in order to keep the amount of toner that attaches to the paper steady.

To perform process control correctly, the machine requires "initializing" at the initial installation or at replacement of the development unit, developer, or drum. "Initializing" performs the parameter initialization for the process control based on the behavior before aging of the development unit, developer, and drum.

List of Process Control Acronyms

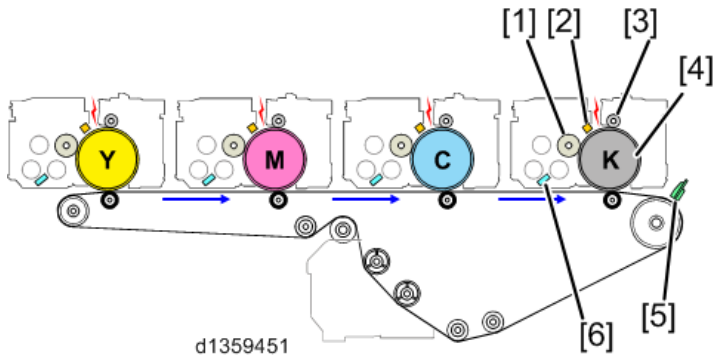
The potential control phase of process control involves many adjustments. Here is list of acronyms used in the descriptions of process control adjustments.

Acronym	Description
Vt	TD sensor output value at the present time.
Vtref	Target output value of the TD sensor.
Initial μ count	The value detected by the TD sensor (μ sensor) during the initialization. The initial μ count is a counting value which corresponds to the frequency. Therefore, the detected counting value needs to be converted to Vt to be used for toner supply control.
Vsp	ID sensor output value when ID sensor patterns are read.
Vsg	ID sensor output value of the non-image part of the ITB.
Vpot	Development potential (Vb-Vl)
Vb	Development bias
Vd	Charge potential
Vl	Drum surface potential of the part illuminated by laser light during printing.
Vpl	Target potential for adjusting the laser power (laser power is adjusted so that the drum has this potential).

Components

Process Control Component Layout

This machine uses four photoconductor development units (PCDUs) in tandem (one PCDU for each color YMCK).



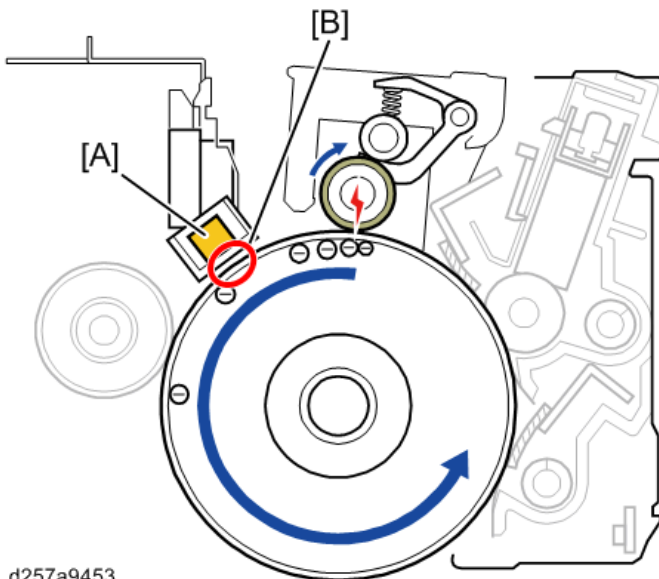
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1	Development Roller	4	Drum
2	Potential Sensor	5	ID Sensor
3	Charge Roller	6	TD Sensor

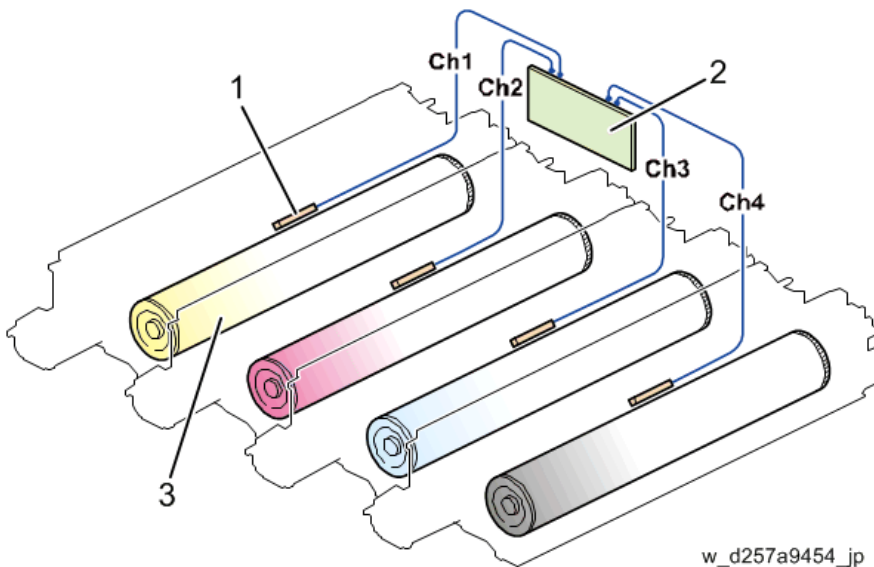
Sensors for Potential Control

Potential Sensors

Potential sensors measure electrical potential on the surface of the drum, and are installed in the left upper side of the drum unit (viewed from the front of the machine). Each color station has one. The space [B] between the drum surface and the potential sensor [A] is 3 mm.

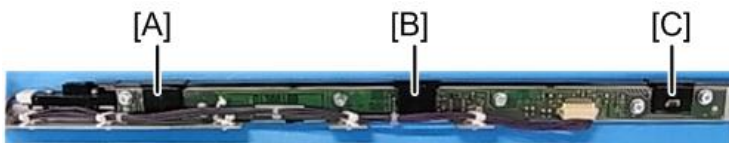
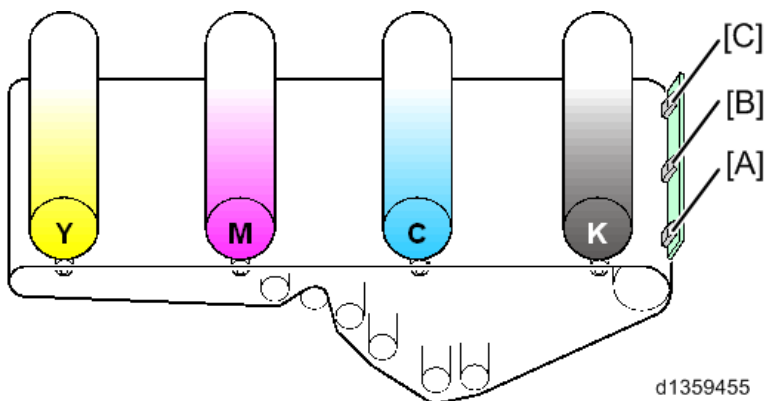


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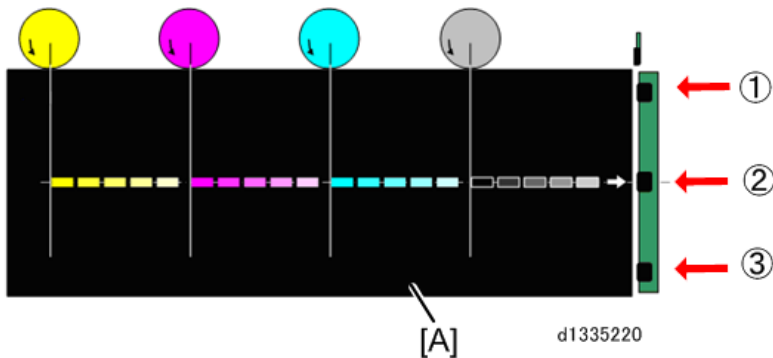
No.	Description	No.	Description
1	Potential Sensor	3	Drum
2	Potential Sensor Board		

ID / Music Sensor



- [A]: Front
- [B]: Center
- [C]: Rear

Tone Pattern on the ITB



- [A]: ITB
- ①, ②, ③: MUSIC Sensor = A sensor to detect MUSIC control patterns
- ②: ID Sensor = A sensor to measure the amount of toner that is attached to the ITB. This sensor is used to detect the patterns for image adjustment that are made during potential control, and is also used to detect ID patterns between sheets.

Temperature / Humidity Sensor

The temperature/humidity sensor located at the right rear side of the machine detects the temperature and humidity. This sensor affects the potential control (developer agitation time, target developer gamma determination) and charge current adjustment.

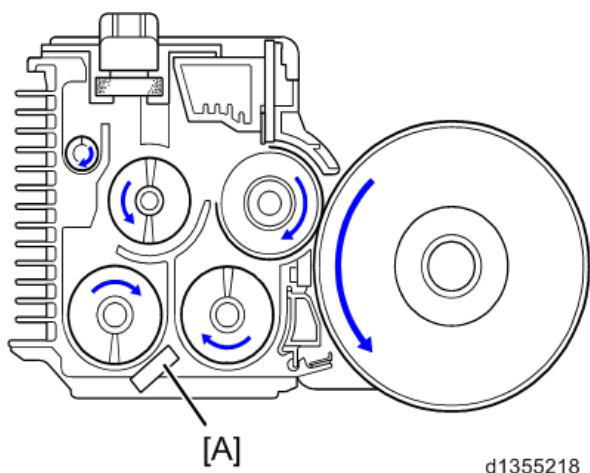
Sensors for Toner Supply

TD Sensor (Toner Density Sensor)

The TD sensor [A] is a non-contact type sensor that detects the toner density in the development unit. This sensor is attached under the development unit. The amount of toner that is added to the development unit depends on the toner density detected by the TD sensor.

In the predecessor models (MP C6502/8002, Pro C5100S/C5110S), a HST sensor is used to detect the toner density. This machine uses the μ sensor, which is a non-contact type sensor, instead of the HST sensor. The HST sensor can directly detect V_t . On the other hand, the μ sensor cannot detect V_t directly. The output value of the μ sensor is a counting value which corresponds to the frequency. Therefore, the detected counting value needs to be converted to V_t to use for toner supply control.

The TD sensor has an ID chip. The ID chip contains information specific for the machine type, development unit information, rotation running distance of the drum, and information for image density control.



Initial Settings

"Initial setting" means a process to initialize the process control parameters in order to keep the targeted tone based on the behavior (before aging-degradation) of a new development unit, new developer, and a new drum. It's essential for a machine to perform "Initial settings" correctly at the initial installation or at replacement of a development unit, developer, or drum.

If not, the machine cannot perform the process control correctly and wrong image density (too thin or thick) / toner scattering could occur.

Installation, Developer Replacement

When the drawer unit is closed after new developer has been installed successfully (SP3-024-001), the TD sensor initial setting starts automatically and then the adjustments for image quality (charge current adjustment, transfer current adjustment, potential control, MUSIC). This completes the machine set up for operation.

The automatic initial setting result comes out on the following SP codes:

- SP3-025-001 (Dev Fill OK? - From Left: YMCK)
- SP3-031-001 (TD Sens Init OK? - From Left: YMCK)
- SP3-012-001 (ProCon OK? - History: Last)

Other Initial Settings

The following initial settings must be executed if necessary.

Initialize Processing (SP3-020-001)

Pressing [EXECUTE] starts this processing sequence:

- Development auger agitation of developer
- Charge current adjustment for drum charge roller
- Transfer current adjustment
- Process control (potential control)
- MUSIC

7.Detailed Descriptions

Initialize TD Sensor (SP3-030-001 to 006)

Pressing [EXECUTE] starts the development auger to agitate the developer then initiates the TD sensor.

Initiate Cleaning (SP3-032-001 to 006)

Pressing [EXECUTE] develops the coverage pattern on the drum with the ITB retracted, so that it is removed by the PCDU cleaning unit. The number of pages for the coverage pattern can be set with SP3-032-021 (Force Tnr Supply: Exe). (Default: 6)

Forced Toner Supply (SP3-050-001 to 006)

Pressing [EXECUTE] activates the toner supply clutch to move toner from the sub hopper to the development unit. The amount of toner supplied with one execution of this SP can be set with SP3-050-021 to 024 (Supply Quantity: KCMY). (Default: 1wt%)

Toner Filling (SP3-051-001)

Pressing [EXECUTE] moves toner from the toner bottle to the sub hopper.

Image Quality Adjustment (SP3-011-001 to 005)

Pressing [EXECUTE] for the following SP codes shown below executes process control/MUSIC.

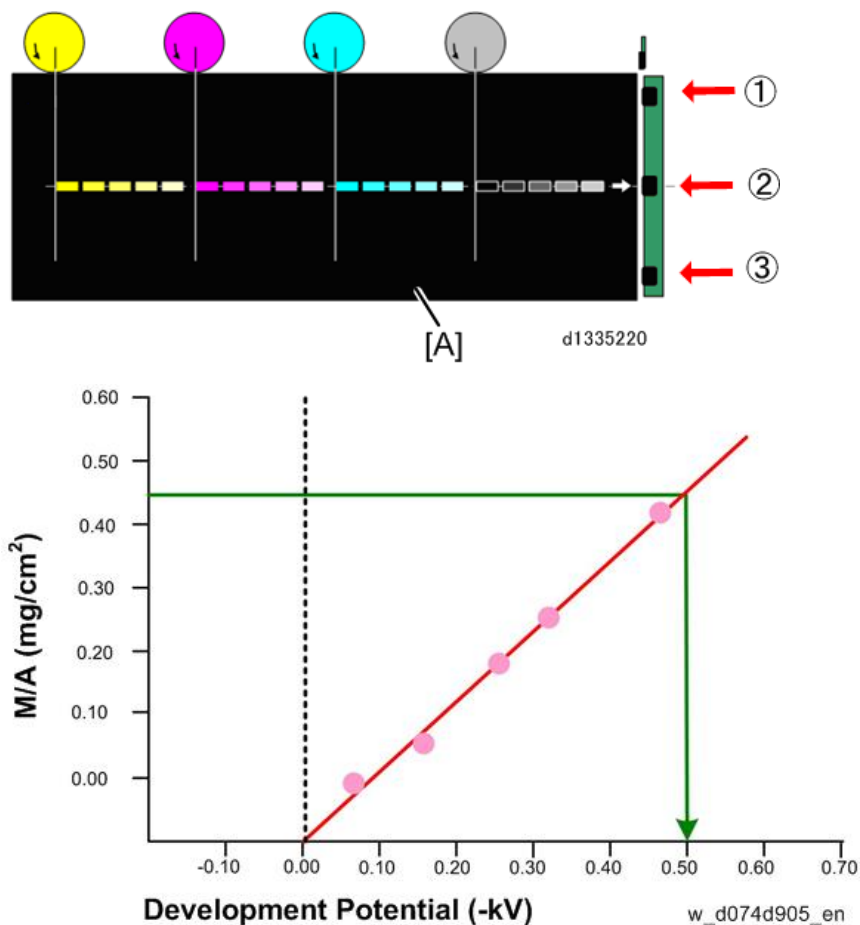
- SP3-011-001 (Manual ProCon :Exe - Normal ProCon)
- SP3-011-002 (Manual ProCon :Exe - Density Adjustment)
- SP3-011-003 (Manual ProCon :Exe - ACC RunTime ProCon)
- SP3-011-004 (Manual ProCon :Exe - Full MUSIC)
- SP3-011-005 (Manual ProCon :Exe - Normal MUSIC)

Process Control

Potential Control

Potential control is executed at prescribed times to perform adjustments in the copy process in order to achieve the target image density and produce the best quality images. These adjustments include changing drum charge bias, development roller bias, and LD power.

Gradation patterns are created at prescribed intervals and read by the potential sensors (①, ②, ③) and the center ID/Music sensor (②) on the ITB. The machine uses these readings to calculate development gamma for each color.



Potential Control Execution Condition

Potential control is triggered by the following conditions;

- **When the main power is turned ON / When the machine returns from the energy saving mode**
- **At the start of a print job**

If any of the following conditions is met after the last print job has ended;

1. Idle time \geq Time threshold setting [min.] (SP3-532-001)
2. Ambient temperature changed \geq Temperature threshold setting [$^{\circ}$ C] (SP3-532-002)
3. Relative humidity changed \geq Relative humidity threshold setting [%RH] (SP3-532-003)
4. Absolute humidity changed \geq Absolute humidity threshold setting [g/m^3] (SP3-532-004)

- **During Printing**

1. Page counter for BW (SP3-529-006) \geq Interval setting for BW [page] (SP3-533-002)
2. Page counter for FC (SP3-529-007) \geq Interval setting for FC [page] (SP3-533-012)

- **At the end of a print job**

1. Page counter for BW (SP3-529-006) \geq Interval setting for BW [page] (SP3-534-002)
2. Page counter for FC (SP3-529-007) \geq Interval setting for FC [page] (SP3-534-012)

- **When the front cover open is notified**

If any of the following conditions is met after the last print job has ended;

1. Idle time \geq Time threshold setting [min.] (SP3-530-001), and Page counter (SP3-530-007, 008) \geq Interval

7.Detailed Descriptions

setting [page] (SP3-530-005,006) at power ON

2. Ambient temperature changed \geq Temperature threshold setting [$^{\circ}\text{C}$] (SP3-530-002)
3. Relative humidity changed \geq Relative humidity threshold setting [%RH] (SP3-530-003)
4. Absolute humidity changed \geq Absolute humidity threshold setting [g/m^3] (SP3-530-004)

- **Result**

The process control result is displayed in SP3-012-001 (ProCon OK?: History:Latest) with an 8-digit code.

Toner Supply Control

Two methods of toner supply are used with this machine to stabilize the amount of toner supplied to the development unit.

- **0: Fixed supply**

This mode fixes the amount of toner supplied to the development unit. Do not use this mode except for troubleshooting.

- **4: DANC Supply (with Vtref Correction)**

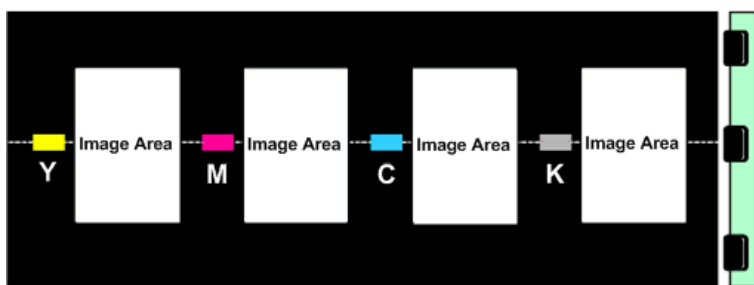
In this mode, the necessary amount of toner is supplied to the area where the toner is consumed in the development unit, in order to steady the toner density in the development unit. Choose this mode normally.

*DANC Supply: Divided image Active Noise Control (Image Divide Type Active Noise Control)

If the toner supply amount is calculated based on the amount of toner used in the covered areas only, errors can increase, especially when changes occur in ambient temperature and drum characteristics. This makes it difficult to control the toner supply amount only with the pixel count.

Therefore, the ID pattern is created on the ITB between sheets at a set interval (default: every 10 sheets). The machine controls the Vtref value using the readings of the ID sensor pattern on the ITB, to stabilize the amount of toner on the ITB.

ID Pattern Detection for Toner Supply Control



The ID pattern is created on the ITB between sheets at a set interval (default: every 10 sheets). The machine controls the Vtref value using the readings of the ID sensor pattern on the ITB, to stabilize the amount of toner on the ITB.

The target amount of toner on the ITB (M/A) is specified in the following SPs.

- K toner: SP3-620-001
- YMC toner: SP3-620-002 to 004

The default of the target amount of toner on the ITB is as follows.

- Plain paper

BK printing: 0.378 mg/cm², Color printing: 0.433 mg/cm²

- Glossy paper

BK printing: 0.378 mg/cm², Color printing: 0.389 mg/cm²

The toner supply control is performed using V_t and V_{tref} . The machine constantly controls the toner density (toner supply amount for the development unit) to bring V_t (TD sensor output at the present time) close to V_{tref} (target output of the TD sensor).

- **When V_t is greater than V_{tref} (when the density of the ID sensor pattern is higher than the target amount of toner):**

The machine performs the toner supply control so that V_{tref} increases (decreases the toner supply amount for the development unit).

- **When V_t is less than V_{tref} (when the density of the ID sensor pattern is lower than the target amount of toner):**

The machine performs the toner supply control so that V_{tref} decreases (increases the toner supply amount for the development unit).

Others

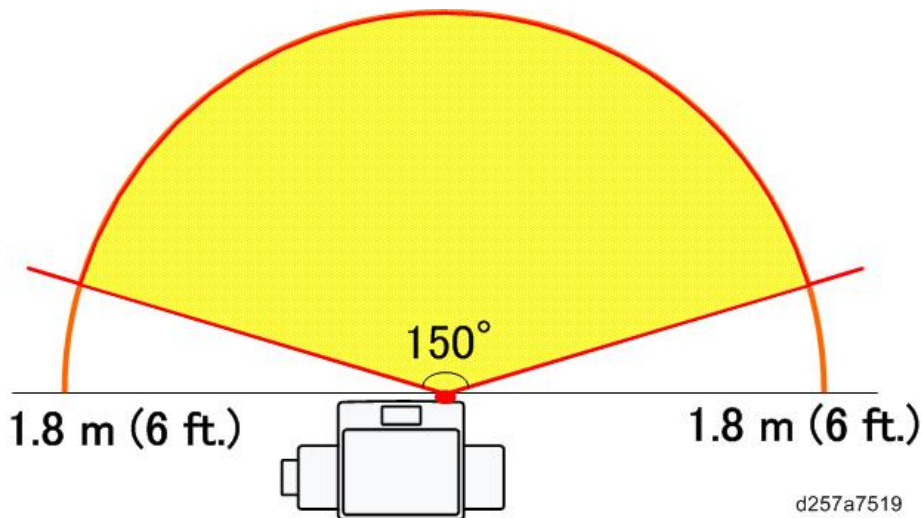
Proximity Sensor (MP C6503/C8003 only)

The proximity sensor [A] is located on the right upper corner of the main machine for MP C6503/C8003.



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When the machine has been idle for a long period and the proximity sensor detects the presence of anyone in front of the machine, it signals the machine to prepare itself for quick recovery to operation status by shortening the time required for the machine to recover full operation (pre-recovery mode) before the operator even touches the machine or operation panel. The proximity sensor employs infrared and can detect the presence of the operator within an arc of 150° out to 1.8 m (6 ft.) away from the front of the machine.



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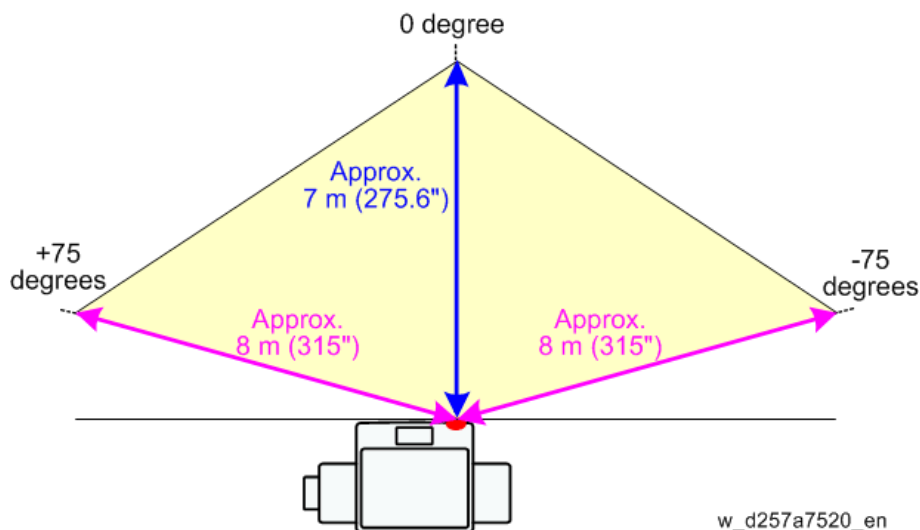
The following diagram shows the image of the area covered by the sensor on the floor.

Basically, the sensor detects the presence of an operator coming to the machine from the distance of approximately 1.8 m. However, it may also detect the presence of someone walking across the area.

The infrared sensor's detection performance is influenced by the ambient temperature. The sensing distance increases in a lower ambient temperature and decreases in a higher ambient temperature.

As a guide, the sensing distance starts decreasing from 1.8 m when the ambient temperature starts rising to 28 °C and above.

The sensor covers the area in front of the machine obliquely downward, detecting people's legs (around their knees). Its sensing performance is influenced by the kind of clothes such people are wearing.



Sensor Operation

There are three phases in the operation of the proximity sensor:

- First, the sensor detects the presence of the operator within the arc in front of the machine, and then signals the machine to leave the STR mode (or Engine OFF mode) and enter the Pre-recovery mode.
- Second, as soon as the machine enters the Pre-recovery mode it resets the Engine Off mode timer for 5 min. If the operator does not touch the machine for 5 minutes, the machine slips back into the Engine Off mode. If the operator touches the LCD, or opens and closes the ADF or front door, etc., the machine shifts to Standby mode.
- Third, once the machine enters Standby mode, if the operator does nothing to start operation, the machine will gradually step down from Standby mode to Lower Energy mode, Quiet mode, Engine Off mode, and then finally to STR mode.

Operation Modes

Here are more details about these operation mode levels.

Mode	Description
STR mode	Suspend-to-RAM mode. The power supply to the CPU, adjacent chips, and the clock on the controller board is shut down.
Engine Off mode	The fusing lamps and other engine components remain off. The operation panel backlight is off, but there is power supplied to the operation panel and the controller boards.
Pre-recovery mode	The operation panel and HDD are on but the engine components remain off (Energy Save mode). However, the operation backlight still remains off, so there is no change on the operation panel to indicate that the machine has shifted from STR mode, through Engine Off mode, and into Pre-recovery mode.
Quiet mode	Fusing lamps still remain off, but the HDD and SD cards are accessible so the machine can receive jobs (Data In) and incoming faxes.
Lower Power	Finally, power is restored to the fusing lamps but maintained at low temperature.

7.Detailed Descriptions

Mode	Description
mode	
Standby mode	The machine is ready to operate.

User Tools

The operation of the proximity sensor can be switched off and on with a User Tool setting.

1. Touch "User Tools" on the operation panel.
2. Select "Machine Features" > "System Settings" > "General Features" > "Human Detection Sensor".
You can switch the sensor off/on by selected "Disabled"/"Enabled". The default setting is "Enabled".

Related SC Codes

One of two SC codes is issued if the proximity sensor fails.

SC869-01 Proximity sensor failure: Error 1.

The sensor remained on for over 24 hours.

- Cycling the machine off/on does not cancel this error.
- When this error occurs the machine enters sensor failure mode and ignores subsequent input from the proximity sensor.
- Even though the sensor is on, the machine does not enter Pre-recovery mode, and the Engine Off timer setting is not affected and continues to operate normally.
- To cancel the error, switch off the proximity sensor with the User Tool setting described above.
- The sensor and its components require replacement.

SC869-02 Proximity sensor failure: Error 2

The sensor remained off, even after the operator performed 20 actions with the machine operation panel, opening and closing the front door, ADF, etc. The machine will issue this error code after every 20 events in operation of the machine.

- Cycling the machine off/on does not cancel this error.
- To cancel the error, switch off the proximity sensor with the User Tool setting described above.
- The sensor and its components require replacement.

Related SP Codes

There is one proximity sensor related SP code: SP5-102-203 Auto Detect: human detection check. This is an on/off check.

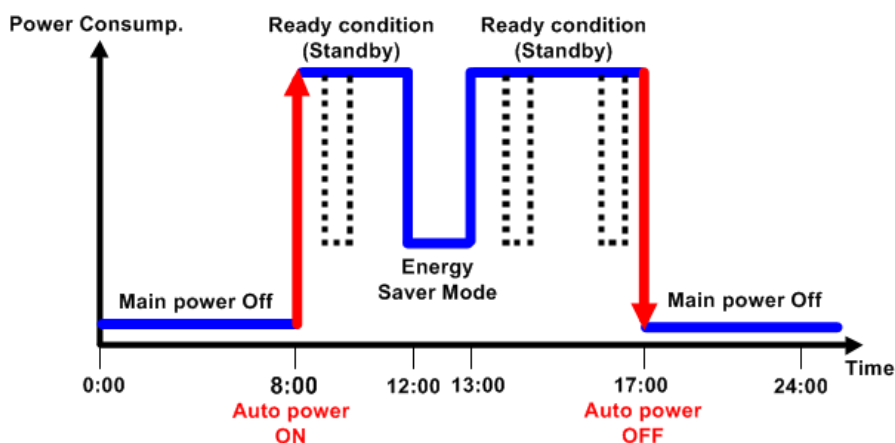
- Enter "0" to switch the sensor off.
- Enter "1" to switch the sensor on.

This SP is used to check the operation of the sensor. It confirms that the sensor can be switched off and on normally. (Default: On). This check can be used regardless of the User Tools setting. Even if the sensor is switched off with the User Tools setting, a check can be done with this SP code.

Energy Save

Energy Saver Timer (Weekly Timer)

- With this timer, the user can choose when the machine will automatically enter and recover from Energy Saver mode, as well as when it will turn on and off. The user does not need to worry about turning the machine on or off in the morning, during lunchtime, or when leaving the office. As a result, the machine contributes to overall energy saving in the user's office environment, while at the same time helping to improve work efficiency.
- The user is able to control how far the machine will power down, i.e. only to Energy Saver mode or all the way off.
- With auto power ON and OFF, the user need not remember to turn the machine on and off every day.
 - Auto power ON:
Improves work efficiency, as machine warm-up is already completed by the time the user is ready to begin work (the user is not made to wait).
 - Auto power OFF:
Prevents unnecessary power consumption during after-work hours, saving power.



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- The user can disable the "Weekly Timer", so that the machine power is not turned on automatically during extended periods of inactivity (Ex. Summer holiday).
- A password can be set so that the machine can be used during this period if necessary, but only by the select group who know this password.

↓ Note

- You can set the weekly timer setting on "Weekly Timer" in "Timer Settings" menu under "System Settings" from "Machine Features" screen. You can access the "Machine Features" screen with the following procedure below.
 - Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".

7.Detailed Descriptions

- MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".

Sleep Mode Timer

Overview

You can set the sleep mode timer setting on "Sleep Mode Timer" in "Timer Settings" menu under "System Settings" from "Machine Features" screen. You can access the "Machine Features" screen with the following procedure below.

- Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
- MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".

Details

After a specified period has passed, or [Energy Saver] is pressed, the machine enters Sleep mode in order to conserve energy. Specify the time to elapse before Sleep mode.

- Pro C5200S/C5210S: 1 to 240 minutes (Default: 60 minutes)
- MP C6503/C8003: 1 to 60 minutes (Default: 60 minutes)

Note

- Sleep Mode Timer may not work when error messages appear.
- Depending on which Embedded Software Architecture application is installed on it, the machine might take longer than indicated to enter Sleep mode.

Fusing Unit Off Mode (Energy Saving)

Overview

You can set Fusing Unit Off mode on "Fusing Unit Off Mode (Energy Saving) On/Off" in "Timer Settings" menu under "System Settings" from "Machine Features" screen. You can access the "Machine Features" screen with the following procedure below.

- Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and then press "Machine Features".
- MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".

Details

You can specify whether Fusing Unit Off mode is enabled or not. When Fusing Unit Off mode is enabled, the display is on but the fusing unit is off to save energy. The machine requires roughly the same time as warm-up time to recover from Fusing Unit Off mode. The default setting is "Off".

- If "Fusing Unit Off Mode (Energy Saving) On/Off" is set to "On", you can specify when to exit Fusing Unit Off mode and the time to elapse before entering Fusing Unit Off mode.
- If "Exit Fusing Unit Off Mode" is set to "On Printing", the machine exits Fusing Unit Off mode when

printing is performed.

- If "Exit Fusing Unit Off Mode" is set to "On Operating Control Panel", the machine exits Fusing Unit Off mode when a key other than the copy function key is pressed on the control panel of the machine.

If printing is performed with the copy function or a key in the copy function is pressed on the control panel of the machine, the machine exits Fusing Unit Off mode regardless of this setting. If the timer is set to [On], you can set the time from 10 seconds to 240 minutes, using the number keys.

Energy Saving Recovery Setting for Business Application

Overview

You can specify the energy saving recovery setting for business application in "General Features" menu under "System Settings" from "Machine Features" screen. You can access the "Machine Features" screen with the following procedure below. For Pro C5200S/C5210S, you cannot use this feature when using the standard operation panel.

- Pro C5200S/C5210S: Press the "User Tools" icon, and then press "Machine Features".
- MP C6503/C8003: Press the "User Tools" icon, and then press "Machine Features".

Details

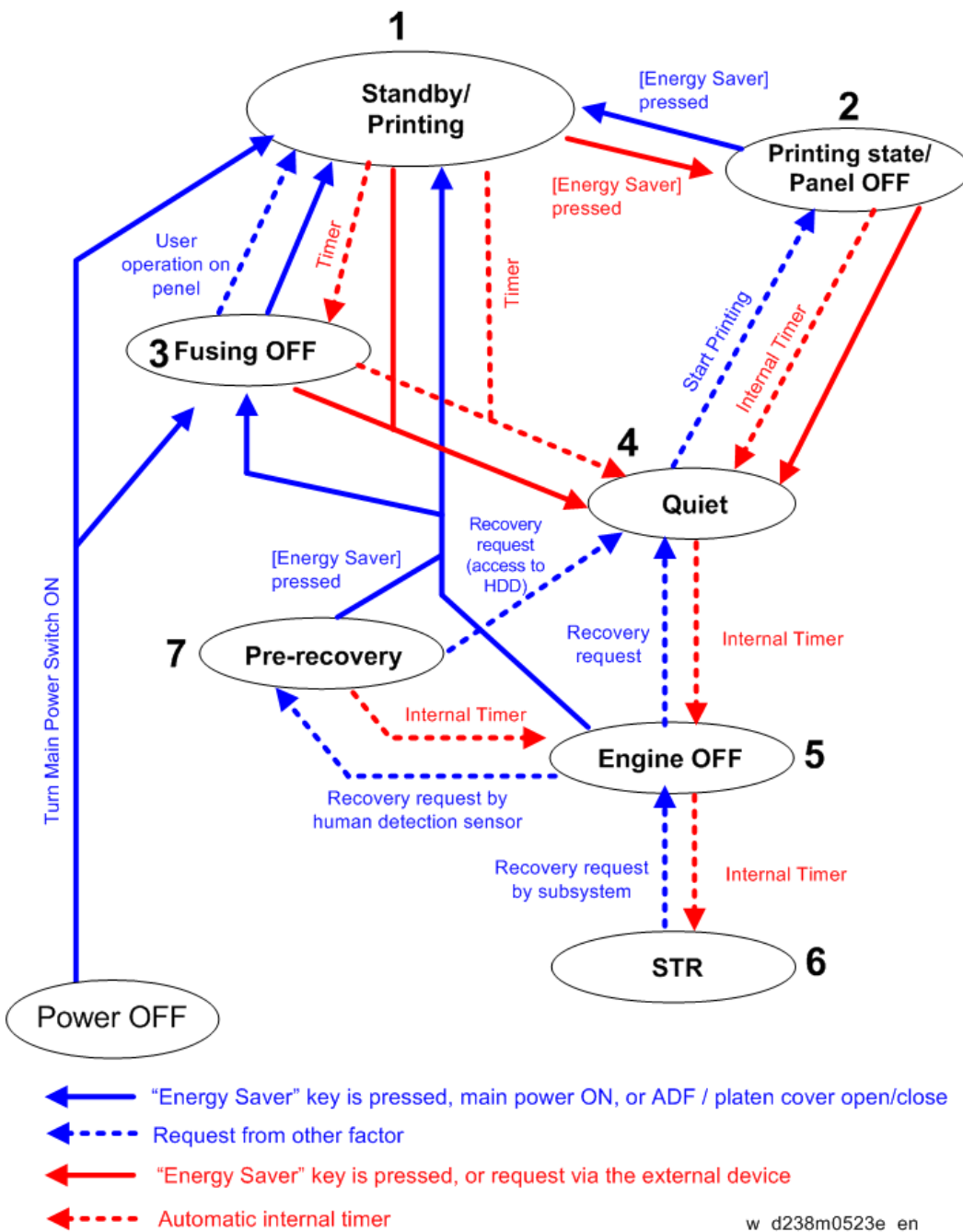
Specify whether or not to enable low-energy recovery from Sleep mode to use applications independent of the machine, such as Address Book Management or Browser.

If "On (Energy Saving)" is selected, it takes longer than usual to be ready to use the machine. The default setting is "Off".

Recovery Time/Reduced Electrical Consumption

	Pro C5200S/C5210S	MP C6503/C8003
Reduced electrical consumption in Sleep mode	0.75 W	0.89 W
Time of switch into Sleep mode	60 minutes	60 minutes
Time of switch out from Sleep mode	119 seconds	38.2 seconds

Power States of this Machine



w_d238m0523e_en

	State	Description
1	Standby/Printing	<ul style="list-style-type: none"> • State where normal operation is possible after warm-up • State during printing
2	Printing state/Panel OFF	State when printing with the backlight of the operation panel turned off
3	Fusing OFF	<p>State where the Standby Fusing OFF state is entered when the time set with the "Fusing Unit Off Mode (Energy Saving) On/Off" setting of the User Tools has elapsed.</p> <ul style="list-style-type: none"> • State where the operation panel is flashing and the fusing heater is OFF. • The bottom plate of the paper feed tray is raised.

	State	Description
4	Quiet state	<p>Quiet state is entered when the Energy Saving key is pressed or the time set with the "Sleep Mode Timer" of the User Tools has elapsed. This is a temporary energy saving state before entering sleep mode.</p> <ul style="list-style-type: none"> • Basically, no homing (initialization) of peripheral devices is performed. • The bottom plate of the paper feed tray is raised. • The fusing heater is turned OFF.
5	Engine OFF (Sleep mode)	<p>Entered from Quiet state with internal timer.</p> <ul style="list-style-type: none"> • The relevant power systems (24V, 12V, 5V) are turned OFF at the same time as the fusing heater. • When receiving a fax or printing is performed in engine OFF state, warm-up is started and printing is performed while the backlight of the operation panel is turned OFF.
6	STR state (Sleep mode)	Supplying of power and clock to the CPU and peripheral chips on the controller board is stopped.
7	Pre-recovery	<p>The Pre-recovery state is entered from STR state when the Proximity Sensor detects presence of a person.</p> <p>This is the Energy Saving state where the power of the operation panel and HDD is ON and the power of the engine is OFF, but the backlight of the operation panel LCD is off.</p>

Device state for each Energy Saving state

State	Energy Saving LED	Operation panel LCD	Engine (Printer/Scanner)	HDD	CTL
Standby/Printing	ON	ON	ON	ON	ON
Printing state/Panel OFF	ON	OFF	ON (Only scanner is in Quiet state)	ON	ON
Fusing OFF	ON	ON	ON (Both printer/scanner are in Quiet state)	ON	ON
Quiet state	ON	OFF ON *1	ON (Both printer/scanner are in Quiet state)	ON	ON
Engine OFF	Blinking gradually ON *1	Sleep OFF or ON *1	OFF	OFF ON *1	ON
STR state	Blinking gradually	Sleep	OFF	OFF	STR

7.Detailed Descriptions

State	Energy Saving LED	Operation panel LCD	Engine (Printer/Scanner)	HDD	CTL
Pre-recovery	ON	OFF ON *1	OFF	ON	ON

*1 When [Energy Saving Recvry. for Business Applicatn.] is [On (Energy Saving)], ON/OFF is determined by the internal timer of the Smart Operation Panel.

Transition of operation panel to Energy Saving when [Energy Saving Recvry. for Business Applicatn.] is [On (Energy Saving)]

Normally, the Energy Saving state of the operation panel LCD changes in step with the energy saving state of the MFP/LP main unit, but to support the scenario where an application that does not use the engine (printer/scanner) is executed from the operation panel, the Energy Saving state of the operation panel is transitioned through the three states ON, OFF, and Sleep with its internal timer when "Energy Saving Recvry. for Business Applicatn." is "On" (Energy Saving).

Verification of Up Time for each Energy Saving State

The up time for each power state of the machine can be checked with SP8-961 (Electricity Status). It is also output on the SMC sheet.

SP	Name	Description
SP8-961-001	Ctrl Standby Time	Cumulative time of Engine OFF mode, Quiet mode, and Standby mode
SP8-961-002	STR Time	Cumulative time of STR mode
SP8-961-003	Main Power Off Time	Cumulative time of state in which the power plug is connected to the outlet but the main power is off
SP8-961-004	Reading and Printing Time	Cumulative time of state in which both the plotter engine and scanner engine are running or warming up
SP8-961-005	Printing Time	Cumulative time of the state in which the plotter engine is running
SP8-961-006	Reading Time	Cumulative time of the state in which the scanner engine is running
SP8-961-007	Eng Waiting Time	Cumulative time of state in which the power state of the engine is Standby state
SP8-961-008	Low Power State Time	Not used for this machine
SP8-961-009	Quiet State Time	Cumulative time of the state in which the power state of the engine is Quiet state
SP8-961-	Heater Off State	Cumulative time of the state in which the power state of the engine is

SP	Name	Description
010	Time	Fusing OFF state
SP8-961-011	LCD on Time	Cumulative time of the state in which the backlight of the LCD is on.

Checking the Up time by Device State

SP8-941 (Machine Status) keeps a record of the amount of time that the machine spends in each mode.

SP	Name	Description
SP8-941-001	Operation Time	Cumulative time of the state in which the engine state notification is enabled. The state in which the engine is not running (such as when storing to HD only with the controller) is excluded from the running state.
SP8-941-002	Standby Time	Cumulative time of the state in which the engine state is not running.
SP8-941-003	Low Power Time	Not used for this machine
SP8-941-004	Sleep mode time	Cumulative time in Sleep Mode state.
SP8-941-005	Off Mode Time	Cumulative time in which the Energy Saving state of the device is Engine OFF state.
SP8-941-006 to 009	Down time	Cumulative time in which the device is disabled because itself or its component is in the following state. <ul style="list-style-type: none"> • SP8-941-006: SC (excluding mode SC) • SP8-941-007: Jam (plotter) • SP8-941-008: Jam (scanner) • SP8-941-009: Supply/PM unit end

With this data, and the power consumption values from the specifications, we can estimate the amount of energy that is used by the machine.

This should only be used as a reference value, because the power consumption specifications are measured in a controlled environment with a constant power supply.

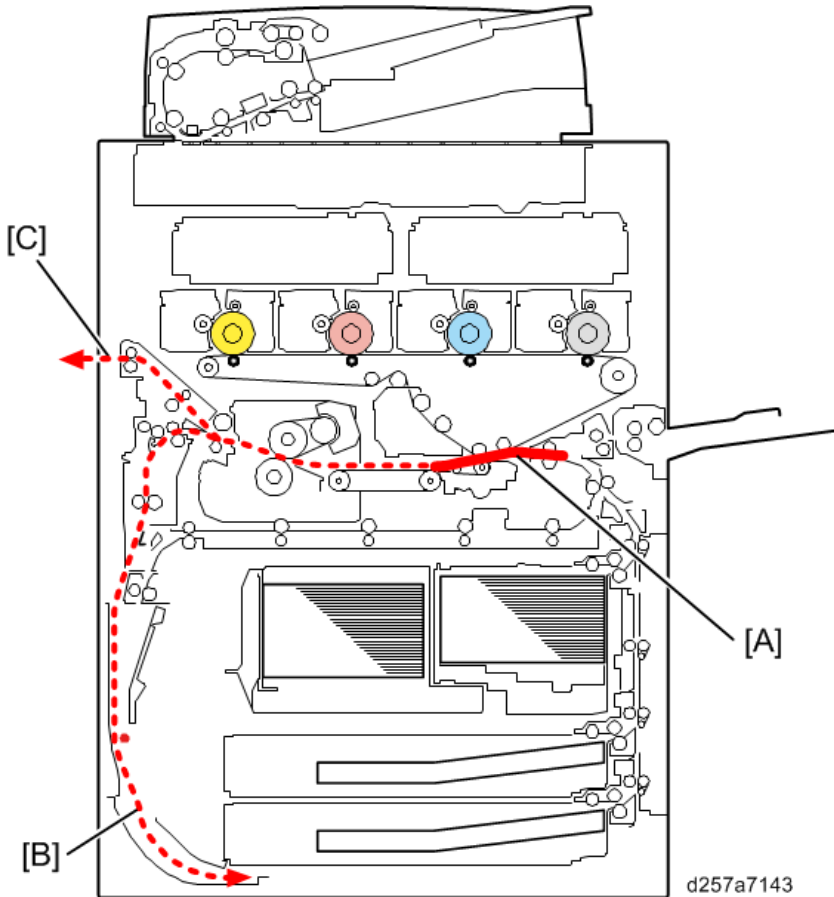
To get an exact measurement at the customer's site, a watt meter must be used to measure the actual energy consumed.

To use SP8-941 to calculate the energy consumed:

- At the start of the measurement period, read the values of SP8-941-001 to 005.
- At the end of the measurement period, read the values of SP8-941-001 to 005 again.
- Find the amount of time spent in each mode (subtract the earlier measurement from the later measurement).
- Multiply this by the power consumption spec for each mode.
- Convert the result to kWh (kilowatt hours)

Paper Removal Mechanism for Jam J058/J098

When J058 (Bypass Paper Feed Sensor: Lag Jam) or J098 (Paper thickness error) occurred, the machine transfers the paper, which causes the paper jam, to the purge unit [B]. The preceding paper of the jammed paper is also transferred to the purge unit [B] or the exit tray [C]. It makes easier to remove the remained paper by ejecting paper in the machine.



- J058 (Bypass Paper Feed Sensor: Lag Jam): When a paper in the different size from the setting in the operation panel is transferred.
- J098 (Paper thickness error): When a paper in the different thickness from the setting in the operation panel is transferred.

When a paper cannot be transferred to the purge unit or the exit tray according to conditions, the paper stops inside or before the drawer unit.

Paper Removing Control for Jammed Paper

The paper, which causes a jam, is controlled according to the cause of the paper jam as follows.

J058 (Bypass Paper Feed Sensor: Lag Jam)

Cause of the Paper Jam	Jammed Paper Movement
1. The paper length is longer than the paper setting	The first sheet: Transfer to the purge unit After the second sheet: Stop inside the drawer unit
2. The paper length is shorter than the paper setting	Transfer to the purge unit

* When the leading edge of the paper has passed 30 to 40 mm short of the inverter junction gate by the straight through output, the paper stops inside the drawer unit.

J098 (Paper thickness error)

Cause of the Paper Jam	Jammed Paper Movement
1. The paper thickness is thicker or thinner than the paper setting	Transfer to the purge unit
2. The paper thickness is above the maximum value* ¹	Stop inside the drawer unit

*1: The value set in SP1-318-001 and 002 (Paper Thick Detect Max Value: Coated Paper: Thick1-Thick9)

Paper Removing Control for the Paper Other Than Jammed Paper

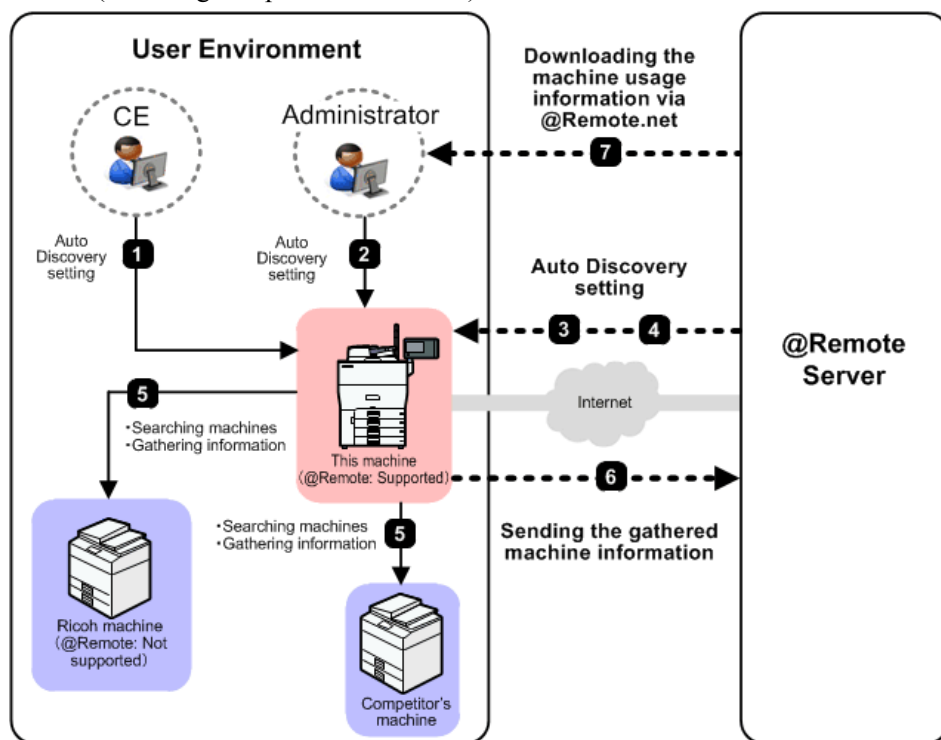
The paper except the paper, which causes a paper jam, is controlled as follows.

- Proceeding paper:
 - Not in the duplex unit: Transfer to the exit tray
 - Inside the duplex unit: Transfer to the purge unit, or stop inside the drawer unit
- Succeeding paper: Stop inside or before the drawer unit. When the paper is in the standby position, stop on the spot.

@Remote New Function (Auto Discovery)

The Auto Discovery function gathers the usage information of devices which do not support @Remote service (including competitor's machines) on the network, and sends the information to the @Remote server.

This means the customer and CE can get visualized information about devices which do not support @Remote service (including competitor's machines).



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1. Auto Discovery setting by CE

The CE specifies the ON/OFF setting or execution time of the Auto Discovery setting with SP mode.

7.Detailed Descriptions

2. **Auto Discovery setting by a customer (administrator)**

The administrator specifies the ON/OFF setting or execution time of the Auto Discovery setting from the operation panel or WIM.

3. **Auto Discovery setting from the @Remote server**

The server specifies the ON/OFF setting or execution time of Auto Discovery via the internet.

4. **Checking the Auto Discovery setting by the @Remote server**

The server checks the Auto Discovery setting of the machine. When the Auto Discovery setting has been changed, the machine notifies the @Remote server.

5. **Searching for machines, gathering information**

When the execution time set in the Auto Discovery setting has come, the machine searches for machines in the range of the specified IP addresses. A maximum of 255 machines can be searched. If the machine was turned OFF during Auto Discovery, the search will be executed at the next start-up.

6. **Notice of gathered information to the @Remote servers**

The machine sends the gathered machine information to the @Remote server. The following information is mainly sent.

- Captured date
- Device ID, MAC address
- Model name, device name
- Vender ID
- Device IP address
- Controller version
- NIC version
- Language code
- Country/Area code
- Counter (Total, Printer, Fax, Copy)
- Device status information (Toner, Jam, Cover, SC, Staple)

7. **Downloading the machine usage information from the @Remote server**

Auto Discovery Function Settings

The Auto Discovery function can be set up with SP mode. The user can also set up the Auto Discovery function from the operation panel or WIM.

Setting from the SP mode

Perform the settings with the following SP modes.

SP	Set Value	Description
SP5-517-061 (AutoDiscovery Execution Setting)	0: Not Available (Default) 1: Available	ON/OFF setting of the Auto Discovery function.
SP5-517-062 (AutoDiscovery	0: Every day	Interval of gathering information by the Auto

SP	Set Value	Description
Execution Interval)	(Default) 1: Every week	Discovery function.
SP5-517-063 (AutoDiscovery Execution Weekday)	0: Sun (Default) 1: Mon 2: Tue 3: Wed 4: Thu 5: Fri 6: Sat	Set the interval of the Auto Discovery function, when SP5-517-062 is set to [1: Every Week].
SP5-517-064 (AutoDiscovery Execution Hour)	0 to 23 (Hour)	Specify the time of execution (Hour)
SP5-517-065 (AutoDiscovery Execution Minute)	0 to 59 (Minute)	Specify the time of execution (Minute)
SP5-517-066 (AutoDiscovery SNMP Community Name)	- (Default: public)	Set the SNMP community name

Setting from the operation panel

The settings can be performed with the following: "Machine Features" screen -> "System Settings" -> "Administrator Tools" -> "Auto Discovery". You can access the "Machine Features" screen with the following procedure below.

- Pro C5200S/C5210S:
 - When using the standard operation panel: Press the "User Tools" key.
 - When using the smart operation panel: Press the "User Tools" icon, and the press "Machine Features".
- MP C6503/C8003: Press the "User Tools" icon, and the press "Machine Features".

Firmware Update Method Using the Firmware Package

Each firmware module (such as System/Copy, Engine, etc.) used to be updated individually. However, an all-inclusive firmware package (package_ALL) is now available.

There are three ways to update using the firmware package.

- Package Firmware Update via a network: SFU (Smart Firmware Update)
The CE can download the firmware package to the machine via a network, and then update the firmware. For details, see [Firmware Update \(Smart Firmware Update\)](#).
- Package Firmware Update via a network: ARFU (Auto Remote Firmware Update)
The machine automatically checks the server for the latest firmware package version. If the version of the package on the global server is later than that of the package installed on the machine, or if the machine has not downloaded the firmware package, the machine downloads the latest package to update the machine's firmware. For details, see [Firmware Update \(Auto Remote Firmware Update\)](#).
- Package Firmware Update with an SD card

7.Detailed Descriptions

Package firmware update can be performed using the conventional SD card method by writing the packaged firmware directly to the SD card. For details, see [Firmware Update \(SD Card\)](#).

MP C6503/C8003, Pro C5200S/C5210S

Machine Code: D257/D258/D260/D261

Appendices

Ver 1.00

Latest Release: Jan, 2017

Initial Release: Jan, 2017

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1. Specifications

General Specifications

Item	MP C6503/C8003	Pro C5200S/5210S
Configuration:	Console	
CPU:	1.91GHz	
RAM:	4.0	
Color Support:	Full Color	
Photoreceptor Type:	OPC Drum	
Copy System:	Laser Beam Electrostatic Transfer System	
Develop System:	Dry Two-component Triple Shaft O.D. Cycle Develop System	
Fusing:	Oil-less Belt-fusing Method	
Original Holder type:	Fixed Holder	
Original Scanning System:	Flat Scanning System	
First copy time:	MP C6503 <ul style="list-style-type: none"> • Full color: 7.5 seconds or less • B&W: 5.5 seconds or less MP C8003 <ul style="list-style-type: none"> • Full color: 6.4 seconds or less • B&W: 4.8 seconds or less 	Pro C5200S <ul style="list-style-type: none"> • Full color: 10.6 seconds or less • B&W: 9.2 seconds or less Pro C5210S <ul style="list-style-type: none"> • Full color: 9.6 seconds or less • B&W: 8.1 seconds or less
Copying speed:	MP C6503: 65 Pages/Min. (Black & White, Color) MP C8003: 80 Pages/Min.(Black & White, Color)	MP C6503: 65 Pages/Min. (Black & White, Color) MP C8003: 80 Pages/Min.(Black & White, Color)
Warm-up time: (Temperature:20C/68F, NRP)	MP C6503 (EU): 43.1 seconds MP C6503 (NA/AP/CHN/TWN/KOR): 38.2 seconds MP C8003: 38.2 seconds	119 seconds
Originals:	Sheet/Book/Object	
Maximum original size:	297 x 432mm/11.7" x17" (Both Book, ADF):A3/DLT Full size (Max. placeable original size: 11" x 17")	
Copy Paper Size:	Main Unit Tray1: A4/LT *With A3/DLT Optional kit: A3, B4, A4, DLT, LG, LT Main Unit Tray2/3/4: 13 x 19.2", 12.6 x 19.2", 12.6 x 18.5",	

1.Specifications

Item	MP C6503/C8003	Pro C5200S/5210S
	<p>13 x 18", SRA3, 12 x 18", SRA4, A3, A4, A5, B4, B5, A6, B6, DLT, LG, 8.5 x 13", LT, 8.25 x 14", 8.25 x 13", Executive, HLT, 8K , 16K ,11 x 15" , 11 x 14" , 10 x 15", 8 x 13", 10 x 14", 8.5 x 13.4"</p> <p>Custom size:</p> <ul style="list-style-type: none"> •Horizontal: 100.0–330.2 mm (3.94–13.00 inches) •Vertical: 139.7–487.7 mm (5.50–19.20 inches) 	
	<p>Bypass Tray:</p> <p>13 x 19.2", 13 x 19", 12.6 x 19.2", 12.6 x 18.5", 13 x 18", SRA3, 12 x 18", SRA4, A3, B4, A4, B5, A5, B6, 12" x 18",DLT,LG,LT,HLT,F/F4, C6, Com10, Monarch, C5, DL Env., A6, 8.5 x 13, 8.25 x 14, 8.25 x 13, 8 x 13, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8.5 x 13.4</p> <p>Custom size:</p> <ul style="list-style-type: none"> • Horizontal: 90.0–330.2 mm (3.55–13.00 inches) • Vertical: 139.7–487.7 mm (5.50–19.20 inches) 	
Paper Thickness:	<ul style="list-style-type: none"> • Main Unit Tray: 52.3 to 256 g/m2 • Bypass Tray: 52.3 to 300 g/m2 • Duplex: 52.3 to 256 g/m2 • A4LCT: 52.3 to 216 g/m2 • A3LCT: 52.3 to 300 g/m2 	<ul style="list-style-type: none"> • Main Unit Tray: 52.3 to 300 g/m2 • Bypass Tray: 52.3 to 360 g/m2 • Duplex: 52.3 to 300 g/m2 • A4LCT: 52.3 to 216 g/m2 • A3LCT: 52.3 to 360 g/m2
Missing image area:	<p>Leading edge: 5.0 ± 1.5 mm (0.20 ± 0.06 inches)</p> <p>Trailing edge: 5.0 ± 2.0 mm (0.20 ± 0.08 inches) (0.5–7.0 mm (0.02–0.28 inches) in one-sided printing)</p> <p>Left edge: 2.0 ± 1.5 mm (0.08 ± 0.06 inches)</p> <p>Right edge: 2.0 ± 1.5 mm (0.08 ± 0.06 inches)</p>	<p>Leading edge:</p> <ul style="list-style-type: none"> • 5.0 ± 1.5 mm (0.20 ± 0.06 inches) (coated paper: Paper Weight 2 to 4, uncoated paper: Paper Weight 1 to 3) • 4.0 ± 1.5 mm (0.16 ± 0.06 inches) (coated paper: Paper Weight 5 to 9, uncoated paper: Paper Weight 4 to 9) <p>Trailing edge:</p> <ul style="list-style-type: none"> • 5.5 ± 2.0 mm (0.22 ± 0.08 inches) (coated paper: Paper Weight 2) • 5.0 ± 2.0 mm (0.20 ± 0.08 inches) (coated paper: Paper Weight 3 to 6, uncoated paper: Paper Weight 1 to 4)

1. Specifications

Item	MP C6503/C8003	Pro C5200S/5210S
		<ul style="list-style-type: none"> 4.0 ± 2.0 mm (0.16 ± 0.08 inches) (coated paper: Paper Weight 7 to 9, uncoated paper: Paper Weight 5 to 9) Left edge: 2.0 ± 1.5 mm (0.08 ± 0.06 inches) Right edge: 2.0 ± 1.5 mm (0.08 ± 0.06 inches)
Copy Scale (Fix)	NA: 4.000, 2.000, 1.550, 1.290, 1.210, 0.930, 0.850, 0.780, 0.730, 0.650, 0.500, 0.250 EU/AP/CHN/TWN/KOR: 4.000, 2.000, 1.410, 1.220, 1.150, 0.930, 0.820, 0.750, 0.710, 0.650, 0.500, 0.250	
Copy Scale (Zoom)	25 to 400% (1%/Step)	
Resolution (Scanning)	600 dpi	
Resolution (Writing)	1,200 × 4,800 dpi	
Tone	256	
Feeding System / Paper Capacity	Standard: <ul style="list-style-type: none"> Tray 1 (Tandem tray): 2,500 sheets (1,250 sheets × 2) Trays 2 and 3: 550 sheets Bypass tray: 100 sheets Optional: <ul style="list-style-type: none"> A4 LCT RT4020: 4400 Sheets A3 LCT RT4050: 2200 Sheets Paper capacity Using A3 kit for tandem LCT: 1000 Sheets (A3/DLT) 	Standard: <ul style="list-style-type: none"> Tray 1 (Tandem tray): 2,500 sheets (1,250 sheets × 2) Trays 2 and 3: 550 sheets Bypass tray: 250 sheets Optional: <ul style="list-style-type: none"> A4 LCT RT4020: 4400 Sheets A3 LCT RT4050: 2200 Sheets Paper capacity Using A3 kit for tandem LCT: 1000 Sheets (A3/DLT)
Continuance Copy Amount	1 to 9,999 Sheets	
Power Source	MP C6503/C8003 (EU/AP/CHN/TWN/KOR): 220–240 V, 12–10 A, 50/60 Hz MP C6503 (NA): 120–127 V, 16 A, 60 Hz MP C8003 (NA): 208–240 V, 12 A, 60 Hz	EU/AP/CHN/TWN/KOR: 220–240 V, 12–10 A, 50/60 Hz NA: 208–240 V, 12 A, 60 Hz
Max. Watts	EU/AP/CHN/TWN/KOR: 2,400 W or less	2,400 W or less

1.Specifications

Item	MP C6503/C8003	Pro C5200S/5210S
	NA: 1,920 W or less	
Dimensions (W x D x H)	750 × 880 × 1,225 mm (29.6 × 34.7 × 48.3 inches)	1,165 × 880 × 1,225 mm (45.9 × 34.7 × 48.3 inches)
Unit Occupation Dimensions (W x D)	1,501 × 880 mm (59.1 × 34.7 inches) (including the bypass tray and copy tray)	1,535 × 880 mm (60.5 × 34.7 inches) (including the bypass tray and copy tray)
Weight:	Approx. 250 kg (551.2 lb.)	Approx. 262 kg (577.7 lb.)
Laser Standard	Class 1 (This Unit falls under "class 1 laser product" based on JIS C 6802 (IEC 60825-1) Laser product safety regulation.)	

ADF

Items		Descriptions	Remarks
Type		Auto-duplex-scan sheet-through DF	Single-path duplex sheet-through DF
Supported Original Size	Simplex	EU/AA: A3 SEF – B6 JIS SEF/LEF, 11" x 17" SEF – 8.5 x 11 SEF/LEF NA: 11" x 17" SEF – 8.5 x 11 SEF/LEF, A3 SEF – A4 SEF/LEF	
	Duplex	EU/AA: A3 SEF – A5 SEF/LEF, 11" x 17" SEF – 8.5 x 11 SEF/LEF NA: 11" x 17" SEF – 8.5 x 11 SEF/LEF, A3 SEF – A4 SEF/LEF	
Original Standard Position		Rear left corner upward.	
Original Feed Order		From the top original.	
Separation Method		Feed belt and separation roller	
Scanning Method		Sheet pass method (Face: White guide plate, Back: Color CIS + white roller)	
Placable Original Capacity		220 sheets (81.4g/mm ²) Stack height: 25 mm or less.	250 Sheets (Ricoh Mypaper)
CPM		500mm/s (BW)	
Scanning Throughput	Simplex	Copy	LT LEF, A4 LEF 1 to 1 (BW / Color)
		<ul style="list-style-type: none"> • MP C6503 SP/Pro C5200S: 65ipm • MP C8003 SP/Pro C5210S: 80ipm 	
	Scan	LT LEF, A4 LEF 1 to 1 (Color)	
	Duplex	Copy	LT LEF, A4 LEF 1 to 1

1.Specifications

Items		Descriptions	Remarks
		<ul style="list-style-type: none"> MP C6503 SP/Pro C5200S: 65ipm MP C8003 SP/Pro C5210S: 80ipm 	(BW / Color)
		Scan 220ipm (200 / 300dpi)	LT LEF, A4 LEF 1 to 1 (Color)
Supported Magnification Ratios (Face / Back)		66.7 % (750mm/s) only	25 to 400% on the system.
Dimensions (W x D x H)		587 × 520 × 175 mm (23.2 × 20.5 × 6.9 in.)	
Weight		Approx. 14 kg (30.9 lb.)	
Power Source		DC24V, DC12V, DC5V	Supplied from the main machine.
Power Consumption		61.0 W or less	

Supported Original Sizes

Paper Thickness	35kg	40kg	45kg	55kg	70kg	90kg	110kg	Tracing paper	Remarks
	40.7 g/m2	46.5 g/m2	52.8 g/m2	64 g/m2	81.4 g/m2	105 g/m2	128 g/m2		
	11lbs	12.5lbs	14lbs	17lbs	22lbs	28lbs	34lbs	TA, TE, TC	
Quantity	250 Sheets		250 Sheets		220 Sheets	150 Sheets	125 Sheets	1 Sheet	*1: Possible in simplex and duplex *2: Simplex only *3: SADF Simplex only
Original Size	A3/A4	*2		*1	*1	*1	*1	*3	
	A5	*2		*1	*1	*1	*1	-	
	B4/B5	*2		*1	*1	*1	*1	*3	
	B6P	-		*2	*2	*2	*2	-	
	DLT	*2		*1	*1	*1	*1	-	
	LT	*2		*1	*1	*1	*1	-	
	HLT	*2		*1	*1	*1	*1	-	
F	*2		*1	*1	*1	*1	-		

Supported Paper Sizes

Original Size Detection

Size (W x L) [mm]	NA		EU/AP	
	Book	ADF	Book	ADF
A3 SEF (297 x 420)	-	Y	Y*4	Y
B4 SEF (257 x 364)	-	-	Y*4	Y
A4 SEF (210 x 297)	Y*5	Y	Y*4*5	Y
A4 LEF (297 x 210)	Y*5	Y	Y*4*5	Y
B5 SEF (182 x 257)	-	-	Y*4	Y
B5 LEF (257 x 182)	-	-	Y*4	Y
A5 SEF (148 x 210)	-	-	Y*2*4	Y
A5 LEF (210 x 148)	-	-	Y*4	Y
B6 SEF (128 x 182)	-	-	-	Y
B6 LEF (182 x 128)	-	-	-	Y
DLT SEF (11" x 17")	Y	Y*Da	-	Y*De
LG SEF (8.5" x 14")	Y	Y*Db	-	-
Oficio SEF (9.5" x 13.4")	Y	Y*Sb	-	-
LT SEF (8.5" x 11")	Y*5	Y*Dc	Y*5	Y*Df
LT LEF (11" x 8.5")	Y*5	Y*Dd	Y*5	Y*Dg
HLT SEF (5.5" x 8.5")	Y*2	Y	-	-
HLT LEF (8.5" x 5.5")	-	Y	-	-
F SEF (8" x 13")	-	-	Y*Sh	Y*Sh
Foolscap SEF (8.5" x 13")	-	-	Y*Dh	Y*Dh
Folio SEF (8.25" x 13")	-	-	Y*Sh	Y*Sh
11" x 15" SEF (11" x 15")	-	Y*Sa	-	-
10" x 14" SEF (10" x 14")	-	Y	-	-
(8" x 10" SEF (8" x 10"))	-	Y*Sc	-	-
US EXE SEF (7.25" x 10.5")	-	Y	-	-
US EXE LEF (10.5 x 7.25")	-	Y*Sd	-	-
8K SEF (267 x 390)	-	-	Y*4	Y*Sc
16K SEF (195 x 267)	-	-	Y*4	Y*Sf
16K LEF (267 x 195)	-	-	Y*4	Y*Sg

Y: Available

-: Not available

Sizes with letters (a to h) means only one of the sizes with the same letter can be selected by size detection. "D" is for default set sizes, and when setting "S" sizes for size detection from SP mode, "D" sizes can no longer be detected.

1.Specifications

(*2) For detected originals smaller than HLT/A5 size, with SP mode either "Detect as HLT/A5" or "Detect as Unknown" can be selected. (Default is "Detect as unknown")

(*4) Switch Book scanner original detection between ""K"" series and ""A/B"" series from SP mode. (Cannot set both to detect, but 8K/16K detect can be set from SP mode)

- 8K SEF -> Switch between A3, B4 SEF
- 16K SEF -> Switch between A4, A5, B5 SEF
- 16K LEF -> Switch between A4, A5, B5 LEF - Cannot switch only either size.

(*5) Can be selected by switching A4/LT from SP mode:

- Standard detect (default)
- When placing A4/LT size LEF, detect as A4 LEF. When placing SEF, detect as LT SEF.
- When placing A4/LT size LEF, detect as LT LEF. When placing SEF, detect as A4 SEF.

Paper Feed

Tray, Bypass tray, LCT

Size (W x L) [mm]	Tray 1	Tray 2/3	Bypass	LCT RT4020	LCT RT4050	Auto duplex
A3 SEF (297 x 420)	A*1	A	A	-	A	A
A4 SEF (210 x 297)	A*1	A	A	A*2	A	A
A4 LEF (297 x 210)	A	A	A	A	A	A
A5 SEF (148 x 210)	-	M	A	-	A	A
A5 LEF (210 x 148)	-	A	A	-	A	A
A6 SEF (105 x 148)	-	M	A	-	M	A
B4 SEF (257 x 364)	A*1	A	A	A*2	A	A
B5 SEF (182 x 257)	-	A	A	-	M	A
B5 LEF (257 x 182)	-	A	A	A*2	A	A
B6 SEF (128 x 182)	-	M	A	-	M	A
DLT SEF (11" x 17")	A*1	A	A	-	A	A
Legal (8.5" x 14")	A*1	A	M	A*2	-	A
Foolscap (8.5" x 13")	-	M	M	-	-	A
LT SEF (8.5" x 11")	A*1	A	A	A*2	A	A
LT LEF (11" x 8.5")	A	A	A	A	A	A
Gov. LG SEF (8.25" x 14")	-	M	M	-	M	A
Folio SEF (8.25" x 13")	-	M	M	-	M	A
F/GL (8" x 13")	-	M	M	-	A	A
F/F4	-	M	M	-	M	A
GLT SEF (8" x 10.5")	-	-	-	-	-	A
GLT LEF (10.5" x 8")	-	-	-	-	-	A
Eng Quatro SEF (8" x 10")	-	-	-	-	-	A
Eng Quatro LEF (10" x 8")	-	-	-	-	-	A

1.Specifications

Size (W x L) [mm]	Tray 1	Tray 2/3	Bypass	LCT RT4020	LCT RT4050	Auto duplex
Executive SEF (7.25" x 10.5")	-	M	M	-	M	A
Executive LEF (10.5" x 7.25")	-	A	M	-	M	A
HLT SEF (5.5" x 8.5")	-	M	A	-	A	A
HLT LEF (8.5" x 5.5")	-	A	A	-	M	A
SRA3 SEF(420 x 320)	-	M	A	-	M	A
SRA4 SEF	-	M	M	-	M	A
SRA4 LEF	-	M	M	-	M	A
Com10(104.8 x 241.3)	-	-	A	-	M	A
Monarch(98.4 x 190.5)	-	-	A	-	M	-
C5(162 x 229)	-	-	A	-	M	A
DL(110 x 220)	-	-	A	-	M	A
8K SEF (267 x 390)	-	A	-	-	M	A
16K SEF (195 x 267)	-	A	-	-	M	A
16K LEF (267 x 195)	-	A	-	-	M	A

A: Available, Auto detectable

M: Available, Paper size must be set from User Tools

-: Not available

(*1) With A3/DLT optional kit

(*2) With B4/LG optional kit

Paper Exit

Main unit: Main unit tray/1bin: inner 1bin tray

Size (W x L) [mm]	Main unit paper exit
A3 SEF (297 x 420)	Y
A4 SEF (210 x 297)	Y
A4 LEF (297 x 210)	Y
A5 SEF (148 x 210)	Y
A5 LEF (210 x 148)	Y
A6 SEF (105 x 148)	Y
B4 SEF (257 x 364)	Y
B5 SEF (182 x 257)	Y
B5 LEF (257 x 182)	Y
B6 SEF (128 x 182)	Y
DLT SEF (11" x 17")	Y
Legal SEF (8.5" x 14")	Y
Foolscap SEF (8.5" x 13")	Y

1.Specifications

Size (W x L) [mm]	Main unit paper exit
LT SEF (8.5" x 11")	Y
LT LEF (11" x 8.5")	Y
Government LG SEF (8.25" x 14")	Y
Folio SEF (8.25" x 13")	Y
F/GL SEF (8" x 13")	Y
G LT SEF (8" x 10.5")	Y
G LT LEF (10.5" x 8")	Y
Eng Quatro SEF (8" x 10")	Y
Eng Quatro LEF (10" x 8")	Y
Executive SEF (7.25" x 10.5")	Y
Executive LEF (10.5" x 7.25")	Y
HLT SEF (5.5" x 8.5")	Y
HLT LEF (8.5" x 5.5")	Y
8K SEF (267 x 390)	Y
16K SEF (195 x 267)	Y
16K LEF (267 x 195)	Y
12" x 18" SEF	Y
11" x 15" SEF	Y
11" x 14" SEF	Y
10" x 15" SEF	Y
10" x 14" SEF	Y

Y: Available

-: Not available

Software Accessories

Printer Drivers

Operating System* ¹	Printer Language		
	PCL 5c	PCL 6	PostScript 3
Windows Vista * ²	Supported	Supported	Supported
Windows 7 * ³	Supported	Supported	Supported
Windows 8 * ⁴	Supported	Supported	Supported
Windows 8.1 * ⁵	Supported	Supported	Supported
Windows 10* ⁶	Supported	Supported	Supported
Windows Server 2003 * ⁷	Supported	Supported	Supported
Windows Server 2008 * ⁸	Supported	Supported	Supported
Windows Server 2012 * ⁹	Supported	Supported	Supported
OS X * ¹⁰	Not available	Not available	Supported

*1 Windows operating system supports both versions (32/64 bit).

*2 Microsoft Windows Vista Ultimate/Microsoft Windows Vista Enterprise/Microsoft Windows Vista Business/Microsoft Windows Vista Home Premium/Microsoft Windows Vista Home Basic

*3 Microsoft Windows 7 Home Premium/Microsoft Windows 7 Professional/Microsoft Windows 7 Ultimate/Microsoft Windows 7 Enterprise

*4 Microsoft Windows 8/Microsoft Windows 8 Pro/Microsoft Windows 8 Enterprise

*5 Microsoft Windows 8.1/Microsoft Windows 8.1 Pro/Microsoft Windows 8.1 Enterprise

*6 Microsoft Windows 10 Home/Microsoft Windows 10 Pro/Microsoft Windows 10 Enterprise/Microsoft Windows 10 Education

*7 Microsoft Windows Server 2003 Standard Edition/Microsoft Windows Server 2003 Enterprise Edition/Microsoft Windows Server 2003 R2 Standard Edition/Microsoft Windows Server 2003 R2 Enterprise Edition

*8 Microsoft Windows Server 2008 Standard/Microsoft Windows Server 2008 Enterprise/Microsoft Windows Server 2008 R2 Standard/Microsoft Windows Server 2008 R2 Enterprise

*9 Microsoft Windows Server 2012 Foundation/Microsoft Windows Server 2012 Essentials/Microsoft Windows Server 2012 Standard/Microsoft Windows Server 2012 R2 Foundation/Microsoft Windows Server 2012 R2 Essentials/Microsoft Windows Server 2012 R2 Standard

*10 OS X 10.7 or later

Note

Some applications may require installation of the PCL 5c printer driver. In this case, you can install PCL 5c without having to install PCL 6.

1.Specifications

Scanner and LAN-Fax Drivers

Operating System	TWAIN* ¹	LAN-FAX
Windows Vista	Supported	Supported
Windows 7	Supported	Supported
Windows 8	Supported	Supported
Windows 8.1	Supported	Supported
Windows 10	Supported	Supported
Windows Server 2003/2003 R2	Supported	Supported
Windows Server 2008/2008 R2	Supported	Supported
Windows Server 2012/2012 R2	Supported	Supported
OS X	Not available	Not available

*1 TWAIN scanner runs on a 64-bit operating system, but is not compatible with 64-bit applications. Use it with 32-bit applications.

Optional Equipment

Finisher SR4120 (D3CG)

Item		Specification
Paper Size:	Finisher / Upper Tray	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 8 x 10 SEF*1, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, 4.2 x 5.5SEF*1, custom size *1 Pro C5200S/C5210S only.
	Finisher / Shift Tray	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 8 x 10 SEF*1, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, custom size *1 Pro C5200S/C5210S only.
	Finisher / Shift Tray / Shifting	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, SRA4 SEF, 8 x 10 SEF*1, 226 x 310 mm SEF*1, 8.5 x 13.4 SEF*1, custom size *1 Pro C5200S/C5210S only.
	Staple	A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 81/2 x 14 SEF, 81/2 x 13 SEF, 81/2 x 11 LEF/SEF, 81/4 x 14 SEF, 81/4 x 13 SEF, 8 x 13 SEF, 71/4 x 101/2 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 81/2 x 132/5 SEF, 226 x 310 mm*1 SEF *1 Pro C5200S/C5210S only.
Paper Thickness:	Finisher / Upper Tray	52.3 – 216.0 g/m ² (14.0 lb. Bond – 79.9 lb. Cover)
	Finisher / Shift Tray	52.3 – 360.0 g/m ² (14.0 lb. Bond–198.0 lb. Index)
	Staple	52.3 – 105.0 g/m ² (14.0 – 28.0 lb. Bond) You can use two sheets of paper weighing up to 256 g/m ² (140 lb. Index) per set as cover sheets.

1.Specifications

Item		Specification
Capacity:	Finisher / Upper Tray	<ul style="list-style-type: none"> A4, 8.5 x 11 or smaller: 250 sheets B4, 8.5 x 14 or larger: 50 sheets
	Finisher / Shift Tray	<ul style="list-style-type: none"> A4 LEF, 8 1/2 x 11 LEF: 3,000 sheets A3 SEF, B4 SEF, A4 SEF, B5, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 12 x 18 SEF, SRA3 SEF, 13 x 19.2 SEF: 1,500 sheets A5 LEF: 500 sheets A5 SEF, B6 SEF, 5.5 x 8.5 LEF: 100 sheets Paper that has a horizontal length of 487.8–700.0 mm (19.21–27.56 inches) (with the output tray for banner sheet): 50 sheets
	Staple	<ul style="list-style-type: none"> Without Mixed Sizes: 65 sheets: A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8K SEF, 16K LEF/SEF, 8.5 x 132/5 SEF, 226 x 310 mm SEF*1 *1 Pro C5200S/C5210S only. With Mixed Sizes: 65 sheets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF)
	Staple Output	<ul style="list-style-type: none"> A4 LEF, 8.5 x 11 LEF: Binding 20 to 65 sheets...150 to 46 Sets, Binding 2 to 19 sheets...150 Sets A4 SEF, B5, 8.5 x 11 SEF: Binding 15 to 65 sheets...100 to 23 Sets, Binding 2 to 14 sheets...100 Sets Other Paper Size: Binding 15 to 65 sheets...100 to 23 Sets, Binding 2 to 14 sheets...100 Sets Mixed Size: Binding 2 to 65 sheets...23 Sets (A3 SEF/A4 LEF, B4 SEF/B5 LEF, 11 x 17 SEF/8.5 x 11 LEF)
Power Source:	Draw from main unit	
Power Consumption:	67 W or less	
Weight:	<ul style="list-style-type: none"> Without output tray for banner sheet: Approx. 38 kg (83.8 lb.) (without punch unit) Approx. 41 kg (90.4 lb.) (with punch unit) With output tray for banner sheet: Approx. 40 kg (88.2 lb.) (without punch unit) Approx. 43 kg (94.8 lb.) (with punch unit) 	
Dimensions (W x D x H):	<ul style="list-style-type: none"> Without output tray for banner sheet: 657 x 730 x 980 mm (25.9 x 28.8 x 38.6 inches) (except protruding parts) With output tray for banner sheet: 1,037 x 730 x 1,103 mm (40.9 x 28.8 x 43.5 inches) 	

Booklet Finisher SR4130 (D3CH)

Item		Specification
Paper Size: Thickness:	Finisher / Upper Tray	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 8 x 10 SEF*1, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, 4.2 x 5.5SEF*1, custom size *1 Pro C5200S/C5210S only.
	Finisher / Shift Tray	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 8 x 10 SEF*1, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, custom size *1 Pro C5200S/C5210S only.
	Finisher / Shift Tray / Shifting	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, SRA4 SEF, 8 x 10 SEF*1, 226 x 310 mm SEF*1, 8.5 x 13.4 SEF*1, custom size *1 Pro C5200S/C5210S only.
	Staple	A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8 1/2 x 14 SEF, 8 1/2 x 13 SEF, 8 1/2 x 11 LEF/SEF, 8 1/4 x 14 SEF, 8 1/4 x 13 SEF, 8 x 13 SEF, 7 1/4 x 10 1/2 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8 1/2 x 13 2/5 SEF, 226 x 310 mm*1 SEF *1 Pro C5200S/C5210S only.
	Saddle stitch staple	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 18 SEF, SRA4 SEF, SRA3 SEF, 8.5 x 13.4 SEF
	Half fold	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 18 SEF, SRA4 SEF, SRA3 SEF, 8.5 x 13.4 SEF
	Finisher / Upper Tray	52.3 – 216.0 g/m ² (14.0 lb. Bond – 79.9 lb. Cover)
Finisher /	52.3 – 360.0 g/m ² (14.0 lb. Bond–198.0 lb. Index)	

1.Specifications

Item		Specification
	Shift Tray	
	Staple	52.3 – 105.0 g/m ² (14.0 – 28.0 lb. Bond) You can use two sheets of paper weighing up to 256 g/m ² (140 lb. Index) per set as cover sheets.
	Saddle stitch	64.0 – 105.0 g/m ² (17.1 – 28.0 lb. Bond) You can use a sheet of paper weighing up to 216 g/m ² (79.9 lb. Cover) per set as a cover sheet.
	Half fold	<ul style="list-style-type: none"> 1 sheet: 64.0 – 216.0 g/m² (17.1 lb. Bond – 79.9 lb. Cover) 2–5 sheets: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
Capacity:	Finisher / Upper Tray	<ul style="list-style-type: none"> A4, 8.5 x 11 or smaller: 250 sheets B4, 8.5 x 14 or larger: 50 sheets
	Finisher / Shift Tray	<ul style="list-style-type: none"> A4 LEF, 8 1/2 x 11 LEF: 2,000 sheets A3 SEF, B4 SEF, A4 SEF, B5, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 12 x 18 SEF, SRA3 SEF, 13 x 19.2 SEF: 1,000 sheets A5 LEF: 500 sheets A5 SEF, B6 SEF, 5.5 x 8.5 LEF: 100 sheets Paper that has a horizontal length of 487.8–700.0 mm (19.21–27.56 inches) (with the output tray for banner sheet): 50 sheets
	Staple	<ul style="list-style-type: none"> Without Mixed Sizes: 65 sheets: A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8K SEF, 16K LEF/SEF, 8.5 x 132/5 SEF, 226 x 310 mm SEF*1 *1 Pro C5200S/C5210S only. With Mixed Sizes: 65 sheets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF)
	Staple Output	<ul style="list-style-type: none"> A4 LEF, 8.5 x 11 LEF: Binding 13 to 65 sheets...150 to 30 Sets, Binding 2 to 12 sheets...150 Sets A4 SEF, B5, 8.5 x 11 SEF: Binding 10 to 65 sheets...100 to 15 Sets, Binding 2 to 9 sheets...100 Sets Other Paper Size: Binding 10 to 65 sheets...100 to 10 Sets, Binding 2 to 9 sheets...100 Sets Mixed Size: Binding 2 to 65 sheets...23 Sets (A3 SEF/A4 LEF, B4 SEF/B5 LEF, 11 x 17 SEF/8.5 x 11 LEF)
	Saddle stitch staple	MP C6503/C8003: <ul style="list-style-type: none"> Paper between 64.0 g/m² (17.1 lb. Bond) and 74.0 g/m² (19.7 lb. Bond): 1 set (20 sheets) Paper between 74.1 g/m² (19.8 lb. Bond) and 105.0 g/m² (28.0 lb. Bond): 1

Item		Specification
		set (10 sheets) Pro C5200S/C5210S: <ul style="list-style-type: none"> Paper between 64.0 g/m² (17.1 lb. Bond) and 80.9 g/m² (21.9 lb. Bond): 1 set (20 sheets) Paper between 81.0 g/m² (22.0 lb. Bond) and 105.0 g/m² (28.0 lb. Bond): 1 set (10 sheets)
	Saddle stitch staple Output	<ul style="list-style-type: none"> 2–5 sheets: 30 sets 6–10 sheets: 15 sets 11–15 sheets: 10 sets 16–20 sheets: 6 sets
Power Source:		Draw from main unit
Power Consumption:		67 W or less
Weight:		<ul style="list-style-type: none"> Without output tray for banner sheet: Approx. 58 kg (127.9 lb.) (without punch unit) Approx. 61 kg (134.5lb.) (with punch unit) With output tray for banner sheet: Approx. 60 kg (132.3 lb.) (without punch unit) Approx. 63 kg (138.9 lb.) (with punch unit)
Dimensions (W x D x H):		<ul style="list-style-type: none"> Without output tray for banner sheet: 657 x 730 x 980 mm (25.9 x 28.8 x 38.6 inches) (except protruding parts) With output tray for banner sheet: 1,037 x 730 x 1,103 mm (40.9 x 28.8 x 43.5 inches)

Punch Unit PU3060 (D706)

Paper size:

Punch unit type	Paper size
D706-01, -03: 2 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, SRA4, 8.5 x 13.4, 8 x 10*1, 226 x 310 mm*1, custom size *1 Pro C5200S/C5210S only.
D706-01, -03: 2 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
D706-01, -03: 4 holes	SEF: A3, B4 JIS, 11 x 17, 11 x 15, 11 x 14, 8K, custom size
D706-01, -03: 4 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size

1.Specifications

Punch unit type	Paper size
D706-02: 4 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, SRA4, 8.5 x 13.4, 8 x 10*1, 226 x 310 mm*1, custom size *1 Pro C5200S/C5210S only.
D706-02: 4 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
D706-00: 2 holes	SEF: A3, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, SRA4, 8.5 x 13.4, 8 x 10*1, 226 x 310 mm*1, custom size *1 Pro C5200S/C5210S only.
D706-00: 2 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
D706-00: 3 holes	SEF: A3, B4 JIS, 11 x 17, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8K, custom size
D706-00: 3 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size

Paper weight:

52.3 – 256.0 g/m² (14.0 lb. Bond – 141.0 lb. Index)

Finisher SR 4110 (D707) (MP C6503/C8003 Only)

Item		Specification
Paper Size:	Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-Folding A3 SEF, A4, A5, A6 SEF, B4 JIS SEF, B5 JIS, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8 x 13 SEF, 8.5 x 11, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5, 5.5 x 8.5, 8K SEF, 16K, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4, 8.5 x 13.4 SEF, Custom size With Z-Folding A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 LEF, 8.5 x 11 LEF
	Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-Folding A3 SEF, A4, A5, A6 SEF, B4 JIS SEF, B5 JIS, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8 x 13 SEF, 8.5 x 11, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5, 5.5 x 8.5, 8K SEF, 16K, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4, 8.5 x 13.4 SEF, Custom size With Z-Folding

Item		Specification
		A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 LEF, 8.5 x 11 LEF
Paper Size:	Finisher / Shift Tray / Shifting	A3 SEF, A4, A5, A6 SEF, B4 JIS SEF, B5 JIS, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8 x 13 SEF, 8.5 x 11, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5, 5.5 x 8.5, 8K SEF, 16K, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4, 8.5 x 13.4 SEF, Custom size
	Staple	<ul style="list-style-type: none"> Without Z-Folding A3 SEF, A4, B4 JIS SEF, B5, 11 x 17 SEF, 8.5 x 14 SEF, 8 x 13 SEF, 8.5 x 11, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5, 8K SEF, 16K, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 13.4 SEF With Z-Folding A3 SEF, B4 JIS SEF, 11 x 17 SEF With Z-Folding, Mixed Size A3 SEF and A4 LEF B4 JIS SEF and B5 JIS LEF 11 x 17 SEF and 8.5 x 11 LEF
Paper Thickness:	Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-Folding 52.3 – 216.0 g/m² (14.0 lb. Bond – 79.9 lb. Cover) With Z-Folding 64.0 – 80.0 g/m² (17.1 – 21.3 lb. Bond)
	Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-Folding 52.3 – 300.0 g/m² (14.0 lb. Bond – 165.0 lb. Index) With Z-Folding 64.0 – 80.0 g/m² (17.1 – 21.3 lb. Bond)
	Finisher / Shift Tray / Shifting	52.3 – 300.0 g/m ² (14.0 lb. Bond – 165.0 lb. Index)
	Staple	<ul style="list-style-type: none"> Without Z-Folding 64.0 – 90.0 g/m² (17.1 – 24.0 lb. Bond) With Z-Folding 64.0 – 80.0 g/m² (17.1 – 21.3 lb. Bond)
Capacity:	Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-Folding A4, 8.5 x 11 or smaller: 500 sheets B4, 8.5 x 14 or larger: 250 sheets With Z-Folding 30 sheets
	Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-Folding A4 LEF, B5 JIS LEF, 8.5 x 11 LEF: 3,000 sheets

1.Specifications

Item	Specification
	<p>A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF: 1,500 sheets</p> <p>12 x 18 SEF, 13 x 19 SEF: 1,000 sheets</p> <p>A5 LEF, 5.5 x 8.5 LEF: 500 sheets</p> <p>A5 SEF, 5.5 x 8.5 SEF: 100 sheets</p> <p>When using paper that has a horizontal length of 487.8–1,260.0 mm (19.21–49.60 inches), remove output sheets one by one from the tray.</p> <ul style="list-style-type: none"> • With Z-Folding 30 sheets
Staple	<ul style="list-style-type: none"> • Without Z-Folding A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8K SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 13.4 SEF: 50 sheets A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K: 100 sheets • Mixed Size 50 sheets (A3 SEF /A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF) • With Z-Folding 10 sheets • Combination of With and Without Z-Folding 10 sheets of Z-Folding and 0 sheets Without Z-Folding, 9 sheets of Z-Folding and 0 to 10 sheets Without Z-Folding, 8 sheets of Z-Folding and 0 to 20 sheets Without Z-Folding, 7 sheets of Z-Folding and 0 to 30 sheets Without Z-Folding, 6 sheets of Z-Folding and 0 to 40 sheets Without Z-Folding, 5 sheets of Z-Folding and 0 to 50 sheets Without Z-Folding, 4 sheets of Z-Folding and 0 to 60 sheets Without Z-Folding, 3 sheets of Z-Folding and 0 to 70 sheets Without Z-Folding, 2 sheets of Z-Folding and 0 to 80 sheets Without Z-Folding, 1 sheet of Z-Folding and 1 to 90 sheets Without Z-Folding
Staple Output	<ul style="list-style-type: none"> • Without Z-Folding A4 LEF, B5 JIS LEF, 8.5 x 11 LEF: binding 10 to 100 sheets...200 to 30 Sets A4 SEF, B5 JIS SEF, 8.5 x 11 SEF, 11 x 17 SEF, 8.5 x 14 SEF: binding 2 to 9 sheets...150 Sets A3 SEF, B4 JIS SEF: binding 10 to 50 sheets...150 to 30 Sets • With Z-Folding, Mixed Size Z-Folded A3 and A4, Z-Folded B4 JIS and B5 JIS, Z-Folded 11 x 17 and 8.5 x 11 SEF: 1 to 10 sheets...30 to 3 Sets • Mixed Size

Item	Specification
	2 to 50 sheets...30 Sets(A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF)
Power Source:	Draw from main unit
Power Consumption:	120 W or less
Weight:	approx. 75 kg (165.4 lb.)
Dimensions (W x D x H):	806 x 730 x 980 mm (31.8 x 28.8 x 38.6 inches)

Punch Unit PU5000 (B831) (MP C6503/C8003 Only)

Paper size:

Punch unit type	Paper size
B831-02, -03: 2 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8.5 x 13.4, custom size
B831-02, -03: 2 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
B831-02, -03: 4 holes	SEF: A3, B4 JIS, 11 x 17, 8K, 12 x 18, 11 x 15, 11 x 14, custom size
B831-02, -03: 4 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size
B831-03: 4 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, B6 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 12 x 18, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8.5 x 13.4, custom size
B831-02: 4 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
B831-01: 2 holes	SEF: A3, A5, A6, B4 JIS, B5 JIS, B6 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 12 x 18, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8.5 x 13.4, custom size
B831-01: 2 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
B831-01: 3 holes	SEF: A3, B4 JIS, 11 x 17, 12 x 18, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8K, custom size
B831-01: 3 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size

Paper weight:

- 2 & 3 holes: 52.3 – 163.0 g/m² (14.0 lb. Bond – 60.3 lb. Cover)
- 4 holes: 52.3 – 127.4 g/m² (14.0 lb. Bond – 46.9 lb. Cover)

1.Specifications

Copy Tray Type M26 (D3D2-03)

Item	Specification
Paper Size:	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 4.125 x 9.5 LEF/SEF, 3.875 x 7.5 LEF/SEF, C5 Env LEF/SEF, C6 Env SEF, DL Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 8 x 10 SEF*1, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, custom size *1 Pro C5200S/C5210S only.
Paper Thickness:	<ul style="list-style-type: none"> MP C6503/C8003 52.3 – 300.0 g/m² (14.0 lb. Bond – 165.0 lb. Index) Pro C5200S/C5210S 52.3 – 360.0 g/m² (14.0 lb. Bond – 198.0 lb. Index)
Paper capacity (80 g/m ² , 20 lb. Bond):	500 sheets
Weight:	Approx. 0.9 kg (2.0 lb.)
Dimensions (W x D x H):	375 x 461 x 151 mm (14.8 x 18.2 x 6.0 inches)

Decurl Unit DU5020 (D72700) (Pro C5200S/C5210S Only)

Item	Specification
Paper Size:	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 4.125 x 9.5 SEF, 3.875 x 7.5 SEF, C5 Env LEF/SEF, C6 Env SEF, DL Env SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size
Paper Thickness:	52.3 – 300.0 g/m ² (14.0 lb. Bond – 165.0 lb. Index)
Power Source:	Draw from main unit
Power Consumption:	30W or less
Weight:	Approx. 30 kg (66.2 lb.)
Dimensions (W x D x H):	170 x 730 x 990 mm (6.7 x 28.8 x 39.0 inches)

Item	Specification
x D x H):	

Buffer Pass Unit Type S6 (D3DO -17, -27) (Pro C5210S/C5200S Only)

Item	Specification	Remarks
Paper Size:	A3 SEF, A4, A5, A6 SEF, B4 SEF, B5, B6 SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11, 8 x 13 SEF, 7.25 x 10.5, 5.5 x 8.5 SEF, 8K SEF, 16K, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4, Postcard (SEF), Custom size	100 x 139.7 mm - 330 x 1260 mm (4.0 x 5.5 inches - 12.9 x 49.6 inches) Subject to specifications of the main machine.
Paper Thickness:	52.3 to 360.0 g/m ² (14.0 lb. Bond to 198.0 lb. Index)	
Power Source:	EU/AP/CHN/KOR: 220–240 V, 1 A, 50/60 Hz NA/TWN: 100–120 V, 3 A, 60 Hz	A separate power source is required.
Power Consumption:	200 W or less	
Weight:	approx. 92kg (202.9 lb.)	
Dimensions (W x D x H):	330 x 725 x 980 mm (13.0 x 28.6 x 38.6 inches)	

Multi-Folding Unit FD4000 (D615)

Item	Specification								
Folding Methods:	Half Fold, Letter Fold-out, Letter Fold-in, Double Parallel Fold, Gate Fold, Z-Folding								
Paper Size:	<table border="1"> <thead> <tr> <th>Fold</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>• With Z-fold:</td> <td>A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF</td> </tr> <tr> <td>• With Half Fold:</td> <td>A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 13 x 19.5 SEF, 13 x 19 SEF, 12.6 x 19.5 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 8.5 x 13.4 SEF, 226 x 310 mm SEF*1, 310 x 432 mm SEF*1</td> </tr> <tr> <td>• With Letter Fold-out, Letter Fold-in, Double Parallel Fold, and Gate Fold:</td> <td>A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF</td> </tr> </tbody> </table> <p>*1 Pro C5200S/C5210S only.</p>	Fold	Specification	• With Z-fold:	A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF	• With Half Fold:	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 13 x 19.5 SEF, 13 x 19 SEF, 12.6 x 19.5 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 8.5 x 13.4 SEF, 226 x 310 mm SEF*1, 310 x 432 mm SEF*1	• With Letter Fold-out, Letter Fold-in, Double Parallel Fold, and Gate Fold:	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF
Fold	Specification								
• With Z-fold:	A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF								
• With Half Fold:	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 13 x 19.5 SEF, 13 x 19 SEF, 12.6 x 19.5 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 8.5 x 13.4 SEF, 226 x 310 mm SEF*1, 310 x 432 mm SEF*1								
• With Letter Fold-out, Letter Fold-in, Double Parallel Fold, and Gate Fold:	A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF								

1.Specifications

Item		Specification
	Multiple sheets	<ul style="list-style-type: none"> Half Fold: A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 8.5 x 13.4 SEF, 226 x 310 mm SEF*1, 310 x 432 mm SEF*1 Letter Fold-in: A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF Letter Fold-out: A4 SEF, B4 JIS SEF, B5 JIS SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8.5 x 13.4 SEF <p>*1 Pro C5200S/C5210S only.</p>
Paper	Fold	64.0 to 105.0 g/m ² (17.1–28.0 lb. Bond)
Thickness:	Multiple sheets	64.0 to 80.0 g/m ² (17.1–21.3 lb. Bond)
Power Source:		<ul style="list-style-type: none"> EU/AP/CHN/KOR 220–240 V, 1.2 A, 50/60 Hz NA/TWN 120 V, 2.0 A, 60 Hz <p>(A separate power source is required.)</p>
Power Consumption:		240W or less
Weight:		Approx. 92 kg (202.9 lb.)
Dimensions (W x D x H):		470 x 730 x 980 mm (18.6 x 28.8 x 38.6 inches)

Mail Box CS4010 (D708) (MP C6503/C8003 Only)

Item	Specification
Bin	9 Bins
Paper Size:	A3 SEF, A4, A5, B4 JIS SEF, B5 JIS, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5, 5.5 x 8.5, 8K SEF, 16K, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 13.4 SEF
Paper Thickness:	60.0 to 128.0 g/m ² (16.1 lb. Bond–47.3 lb. Cover)
Capacity:	100 Sheets each bin, total 900 Sheets
Power Source:	Draw from main unit
Power Consumption:	30 W or less
Weight:	approx. 15kg (33.1 lb.)
Dimensions (W x	540 x 600 x 660 mm (21.3 × 23.7 × 26.0 inches)

Item	Specification
D x H):	

Cover Interposer Tray CI4040 (D3CN)

Item	Specification
Paper Size:	A3 SEF, A4, A5, B4 JIS SEF, B5 JIS, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11, 8.5 x 13 SEF, 7.25 x 10.5 SEF, 5.5 x 8.5, 10 x 14 SEF, 8K SEF, 16K, 8.5 x 13.4 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 12 x 18 SEF
Paper Thickness:	64.0 to 216.0 g/m ² (17.1 lb. Bond–79.9 lb. Cover)
Capacity:	200 sheets
Power Source:	Draw from main unit
Power Consumption:	43 W or less
Weight:	Approx. 12 kg (26.5 lb.)
Dimensions (W x D x H):	500 x 600 x 600 mm (19.7 x 23.7 x 23.7 inches)

Cover Interposer Tray CI4020 (D712)

Item	Specification
Paper Size:	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF, 11 x 17 SEF, 8.5 x 11 LEF/SEF, 8 x 13 SEF, 5.5 x 8.5 LEF/SEF, SRA3 SEF, 12 x 18 SEF, B5 JIS SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 7.25 x 10.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, 226 x 310 mm LEF/SEF*1, 310 x 432 mm SEF*1, SRA4 LEF/SEF, 8.5 x 13.4 SEF, Custom size *1 Pro C5200S/C5210S only.
Paper Thickness:	64.0 to 216.0 g/m ² (17.1 lb. Bond–79.9 lb. Cover)
Capacity:	240 sheets x 2 drawers
Power Source:	Draw from main unit
Power Consumption:	84 W or less
Weight:	Approx. 45 kg (99.3 lb.)
Dimensions (W x D x H):	540 x 730 x 1,270 mm (21.3 x 28.8 x 50.0 inches)

1.Specifications

LCIT RT4020 (D709)

Item	Specification
Paper Size:	A4 LEF, B5 JIS LEF, 8.5 x 11 SEF
Paper Thickness:	52.3 – 216.0 g/m ² (14.0 lb. Bond – 79.9 lb. Cover)
Capacity:	4,400 sheets
Power Source:	Draw from main unit
Power Consumption:	50W or less
Weight:	Approx. 20 kg (44.1 lb.)
Dimensions (W x D x H):	352 x 540 x 625 mm (13.9 x 21.3 x 24.7 inches)

LCIT RT4050 (D710-18)

Item	Specification
Paper Size:	<ul style="list-style-type: none"> A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 11 LEF/SEF, 8 x 13 SEF, 5.5 x 8.5 LEF/SEF, SRA3 SEF, 12 x 18 SEF, A6 SEF*1, B6 JIS SEF*1, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 7.25 x 10.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF*2, 310 x 432 mm SEF*2, 8.5 x 13.4 SEF, 4.2 x 5.5 SEF*1*2 Custom size*1: Vertical: 100.0–330.2 mm (3.94–13.00 inches) Horizontal: 139.7–487.7 mm (5.50–19.20 inches) <p>*1 The postcard side fences are required to load paper that is between 100.0 and 139.2 mm (3.94 and 5.48 inches).</p> <p>*2 Pro C5200S/C5210S only.</p>
Paper Thickness:	<ul style="list-style-type: none"> MP C6503/C8003 52.3 – 300.0 g/m² (14.0 lb. Bond – 165.0 lb. Index) Pro C5200S/C5210S 52.3 – 360.0 g/m² (14.0 lb. Bond – 198.0 lb. Index)
Capacity:	2,200 sheets
Power Source:	Draw from main unit
Power Consumption:	85 W or less
Weight:	Approx. 83 kg (183.0 lb.)
Dimensions (W x D x H):	869 x 730 x 658 mm (34.3 x 28.8 x 26.0 inches)

Output Jogger Unit Type M25 (D3CJ)

Item	Specification
Paper Size:	A3 SEF, A4 LEF/SEF, A5 LEF, B4 JIS SEF, B5 JIS LEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 LEF/SEF, 5.5 x 8.5 LEF, 12 x 18 SEF, 13 x 19.2 SEF
Power Source:	Draw from main unit
Power Consumption:	15 W or less
Weight:	Approx. 2 kg (4.4 lb.)
Dimensions (W x D x H):	169 x 539 x 203 mm (6.7 x 21.3 x 8.0 inches)

Finisher SR5070 (D3CB) (Pro C5200S/C5210S Only)

Item	Specification
Paper Size: Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 4.125 x 9.5 SEF, C5 Env LEF/SEF, C6 Env SEF, DL Env SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size With Z-fold: A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF
Paper Size: Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, C5 Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size You can output paper that has a horizontal length of up to 700.0 mm (27.56 inches) when the output tray for banner sheet is installed. With Z-fold: A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF

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Item		Specification
	Finisher / Shift Tray / Shifting	A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, C5 Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 191/5 SEF, 13 x 19 SEF, 12.6 x 191/5 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size
	Staple	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 13.4 SEF With Z-fold: A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8K SEF With Z-fold and Mixed Sizes: A3 SEF/A4 LEF B4 JIS SEF/B5 JIS LEF 11 x 17 SEF/8.5 x 11 LEF 8K SEF/16K LEF
Paper Thickness:	Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-fold: 52.3 – 216.0 g/m² (14.0 lb. Bond – 79.9 lb. Cover) With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
	Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-fold: 52.3 – 360.0 g/m² (14.0 lb. Bond – 198.0 lb. Index) With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
	Staple	<ul style="list-style-type: none"> Without Z-fold: 64.0 – 80.0 g/m² (17.1 lb. Bond – 20.0 lb. Cover) You can use two sheets of paper weighing up to 200.0 g/m² (110.7 lb. Cover) per set as cover sheets. If you use three or more sheets of paper as cover sheets, the staple quality might decrease. With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
Capacity:	Finisher / Upper Tray	<ul style="list-style-type: none"> A4, 8.5 x 11 or smaller: 250 sheets B4 JIS, 8.5 x 14 or larger: 50 sheets

Item	Specification
Finisher / Shift Tray	<ul style="list-style-type: none"> • Without Z-fold: A4 LEF, B5 JIS LEF, 8.5 x 11 LEF, 1,500 sheets: A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 226 x 310 mm LEF/SEF: 3,000 sheets 12 x 18 SEF, 13 x 19 SEF, SRA3 SEF, 13 x 18 SEF, 12.6 x 18.5 SEF, 12.6 x 19.2 SEF, 13 x 19.2 SEF, 310 x 432 mm SEF: 1,000 sheets A5 LEF, 5.5 x 8.5 LEF: 500 sheets A5 SEF, 5.5 x 8.5 SEF: 100 sheets Paper that has a horizontal length of 487.8–700.0 mm (19.21–27.56 inches) (with the output tray for banner sheet): 200 sheets • With Z-fold: 30 sheets
Staple	<ul style="list-style-type: none"> • Without Z-fold and Mixed Sizes: 50 sheets: A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.25 x 14 SEF, 8.5 x 13.4 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8K SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 132/5 SEF 100 sheets: A4 LEF/SEF, B5 JIS LEF/SEF, 8.5 x 11 LEF/SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 16K LEF/SEF • With Mixed Sizes: 50 sheets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF, 8.5 x 13.4 SEF, 8K SEF/16K LEF) • With Z-fold: 10 sheets • Combination of Z-folded sheets and unfolded sheets: 10 Z-folded sheets, 9 Z-folded sheets and 0 to 10 unfolded sheets, 8 Z-folded sheets and 0 to 20 unfolded sheets, 7 Z-folded sheets and 0 to 30 unfolded sheets, 6 Z-folded sheets and 0 to 40 unfolded sheets, 5 Z-folded sheets and 0 to 50 unfolded sheets, 4 Z-folded sheets and 0 to 60 unfolded sheets, 3 Z-folded sheets and 0 to 70 unfolded sheets, 2 Z-folded sheets and 0 to 80 unfolded sheets, 1 Z-folded sheet and 1 to 90 unfolded sheets
Staple Output	<ul style="list-style-type: none"> • Without Z-fold and Mixed Sizes: 20–100 sheets: 150–30 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 10–19 sheets: 200–105 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 2–9 sheets: 150 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 10–100 sheets: 150–15 sets (A4 SEF, B5 JIS SEF, 8.5 x 11 SEF) 2–9 sheets: 150 sets (A4 SEF, B5 JIS SEF, 8.5 x 11 SEF) 10–50 sheets: 150–30 sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 13.4 SEF, 8.5 x 14 SEF) 2–9 sheets: 150 sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF) • With Z-fold and Mixed Sizes:

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Item		Specification
		<p>1–10 sheets: 30–3 sets (A3 Z-folded paper with A4, B4 JIS Z-folded paper with B5 JIS, 11 x 17 Z-folded paper with 8 1/2 x 11, 8K Z-folded paper with 16K)</p> <ul style="list-style-type: none"> With Mixed Sizes: 2–50 sheets: 30 sets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8 1/2 x 11 LEF, 8K SEF/16K LEF)
Power Source:		Draw from main unit
Power Consumption:		150 W or less
Weight:		<ul style="list-style-type: none"> Without output tray for banner sheet: 112 kg (247.0 lb.) or less With output tray for banner sheet: 113 kg (249.2 lb.) or less
Dimensions (W x D x H):		<ul style="list-style-type: none"> Without output tray for banner sheet: 1,113 x 730 x 1,192 mm (43.9 x 28.8 x 47.0 inches) With output tray for banner sheet: 1,334 x 730 x 1,193 mm (52.6 x 28.8 X 47.0 inches)

Booklet Finisher SR5080 (D3CA) (Pro C5200S/C5210S Only)

Item		Specification
Paper Size:	Finisher / Upper Tray	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, 4.125 x 9.5 SEF, C5 Env LEF/SEF, C6 Env SEF, DL Env SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size With Z-fold: A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF
	Finisher / Shift Tray	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 13.4 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, C5 Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF,

Item	Specification
	<p>12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size</p> <p>You can output paper that has a horizontal length of up to 700.0 mm (27.56 inches) when the output tray for banner sheet is installed.</p> <ul style="list-style-type: none"> With Z-fold: A3 SEF, A4 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 11 SEF, 8K SEF, 12 x 18 SEF, 8.5 x 13.4 SEF
Finisher / Shift Tray / Shifting	<p>A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 5.5 x 8.5 LEF/SEF, C5 Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 191/5 SEF, 13 x 19 SEF, 12.6 x 191/5 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 LEF/SEF, 226 x 310 mm LEF/SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF, custom size</p>
Staple	<ul style="list-style-type: none"> Without Z-fold: A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 LEF/SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 8K SEF, 16K LEF/SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 13.4 SEF With Z-fold: A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8K SEF With Z-fold and Mixed Sizes: A3 SEF/A4 LEF B4 JIS SEF/B5 JIS LEF 11 x 17 SEF/8.5 x 11 LEF 8K SEF/16K LEF
Saddle stitch staple	<ul style="list-style-type: none"> A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.5 x 11 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5 SEF, 8K SEF, 16K SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 226 x 310 mm SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF Custom size Vertical: 182.0 – 330.2 mm (7.17 – 13.00 inches) Horizontal: 257.0 – 487.7 mm (10.12 – 19.20 inches)
Half fold	<ul style="list-style-type: none"> A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13 SEF, 8.5 x 11 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 7.25 x 10.5

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Item		Specification
		<p>SEF, 8K SEF, 16K SEF, 12 x 18 SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 13 x 19.2 SEF, 13 x 19 SEF, 12.6 x 19.2 SEF, 12.6 x 18.5 SEF, 13 x 18 SEF, SRA3 SEF, SRA4 SEF, 226 x 310 mm SEF, 310 x 432 mm SEF, 8.5 x 13.4 SEF</p> <ul style="list-style-type: none"> • Custom size <p>Vertical: 182.0 – 330.2 mm (7.17 – 13.00 inches) Horizontal: 257.0 – 487.7 mm (10.12 – 19.20 inches)</p>
Paper Thickness:	Finisher / Upper Tray	<ul style="list-style-type: none"> • Without Z-fold: 52.3 – 216.0 g/m² (14.0 lb. Bond – 79.9 lb. Cover) • With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
	Finisher / Shift Tray	<ul style="list-style-type: none"> • Without Z-fold: 52.3 – 360.0 g/m² (14.0 lb. Bond – 198.0 lb. Index) • With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
	Staple	<ul style="list-style-type: none"> • Without Z-fold: 64.0 – 80.0 g/m² (17.1 lb. Bond – 20.0 lb. Cover) You can use two sheets of paper weighing up to 200.0 g/m² (110.7 lb. Cover) per set as cover sheets. If you use three or more sheets of paper as cover sheets, the staple quality might decrease. • With Z-fold: 64.0 – 105.0 g/m² (17.1 – 28.0 lb. Bond)
	Saddle stitch	<p>64.0 – 90.0 g/m² (17.1 lb. Bond – 24.0 lb. Cover) You can use a sheet of paper weighing between 90.1 g/m² (24.1 lb. Bond) and 163.0 g/m² (60.0 lb. Cover) per set as a cover sheet. If you use two or more sheets of paper as cover sheets, the staple quality might decrease.</p>
	Half fold	64.0 – 90.0 g/m ² (17.1 – 24.0 lb. Bond)
Capacity:	Finisher / Upper Tray	<ul style="list-style-type: none"> • A4, 8.5 x 11 or smaller: 250 sheets • B4 JIS, 8.5 x 14 or larger: 50 sheets
	Finisher / Shift Tray	<ul style="list-style-type: none"> • Without Z-fold: A4 LEF, B5 JIS LEF, 8.5 x 11 LEF, 1,500 sheets: A3 SEF, A4 SEF, B4 JIS SEF, B5 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 11 SEF, SRA4 LEF/SEF, 8.5 x 13.4 SEF, 226 x 310 mm LEF/SEF: 3,000 sheets 12 x 18 SEF, 13 x 19 SEF, SRA3 SEF, 13 x 18 SEF, 12.6 x 18.5 SEF, 12.6 x 19.2 SEF, 13 x 19.2 SEF, 310 x 432 mm SEF: 1,000 sheets A5 LEF, 5.5 x 8.5 LEF: 500 sheets A5 SEF, 5.5 x 8.5 SEF: 100 sheets

Item	Specification
	<p>Paper that has a horizontal length of 487.8–700.0 mm (19.21–27.56 inches) (with the output tray for banner sheet): 200 sheets</p> <ul style="list-style-type: none"> • With Z-fold: 30 sheets
Staple	<ul style="list-style-type: none"> • Without Z-fold and Mixed Sizes: 50 sheets: A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF, 8.5 x 13.4 SEF, 8.5 x 13 SEF, 8.25 x 14 SEF, 8.25 x 13 SEF, 8 x 13 SEF, 8K SEF, 11 x 15 SEF, 11 x 14 SEF, 10 x 15 SEF, 10 x 14 SEF, 8.5 x 132/5 SEF 100 sheets: A4 LEF/SEF, B5 JIS LEF/SEF, 8.5 x 11 LEF/SEF, 8 x 10 SEF, 7.25 x 10.5 LEF/SEF, 16K LEF/SEF • With Mixed Sizes: 50 sheets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8.5 x 11 LEF, 8.5 x 13.4 SEF, 8K SEF/16K LEF) • With Z-fold: 10 sheets • Combination of Z-folded sheets and unfolded sheets: 10 Z-folded sheets, 9 Z-folded sheets and 0 to 10 unfolded sheets, 8 Z-folded sheets and 0 to 20 unfolded sheets, 7 Z-folded sheets and 0 to 30 unfolded sheets, 6 Z-folded sheets and 0 to 40 unfolded sheets, 5 Z-folded sheets and 0 to 50 unfolded sheets, 4 Z-folded sheets and 0 to 60 unfolded sheets, 3 Z-folded sheets and 0 to 70 unfolded sheets, 2 Z-folded sheets and 0 to 80 unfolded sheets, 1 Z-folded sheet and 1 to 90 unfolded sheets
Staple Output	<ul style="list-style-type: none"> • Without Z-fold and Mixed Sizes: 20–100 sheets: 150–30 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 10–19 sheets: 200–105 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 2–9 sheets: 150 sets (A4 LEF, B5 JIS LEF, 8.5 x 11 LEF) 10–100 sheets: 150–15 sets (A4 SEF, B5 JIS SEF, 8.5 x 11 SEF) 2–9 sheets: 150 sets (A4 SEF, B5 JIS SEF, 8.5 x 11 SEF) 10–50 sheets: 150–30 sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 13.4 SEF, 8.5 x 14 SEF) 2–9 sheets: 150 sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, 8.5 x 14 SEF) • With Z-fold and Mixed Sizes: 1–10 sheets: 30–3 sets (A3 Z-folded paper with A4, B4 JIS Z-folded paper with B5 JIS, 11 x 17 Z-folded paper with 8 1/2 x 11, 8K Z-folded paper with 16K) • With Mixed Sizes: 2–50 sheets: 30 sets (A3 SEF/A4 LEF, B4 JIS SEF/B5 JIS LEF, 11 x 17 SEF/8 1/2 x 11 LEF, 8K SEF/16K LEF)
Saddle stitch staple	<ul style="list-style-type: none"> • Paper between 64.0 g/m² (17.1 lb. Bond) and 80.0 g/m² (20.0 lb. Bond): 1 set (20 sheets)

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Item		Specification
		<ul style="list-style-type: none"> Paper between 80.1 g/m² (20.1 lb. Bond) and 90.0 g/m² (24.0 lb. Bond): 1 set (15 sheets)
	Saddle stitch staple Output	<ul style="list-style-type: none"> 2–5 sheets (80 g/m², 20 lb. Bond): 45 sets 6–10 sheets (80 g/m², 20 lb. Bond): 23 sets 11–15 sheets (80 g/m², 20 lb. Bond): 15 sets 16–20 sheets (80 g/m², 20 lb. Bond): 10 sets
Power Source:		Draw from main unit
Power Consumption:		150 W or less
Weight:		<ul style="list-style-type: none"> Without output tray for banner sheet: 112 kg (247.0 lb.) or less With output tray for banner sheet: 113 kg (249.2 lb.) or less
Dimensions (W x D x H):		<ul style="list-style-type: none"> Without output tray for banner sheet: 1,113 x 730 x 1,192 mm (43.9 x 28.8 x 47.0 inches) With output tray for banner sheet: 1,334 x 730 x 1,193 mm (52.6 x 28.8 X 47.0 inches)

Punch Unit PU5020 (D449) (Pro C5200S/C5210S Only)

Paper size:

Punch unit type	Paper size
D449-27: 2 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 8 x 10, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, custom size
D449-27: 2 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
D449-27: 4 holes	SEF: A3, B4 JIS, 11 x 17, 11 x 15, 11 x 14, 8K, custom size
D449-27: 4 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size
D449-28: 4 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, B6 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 8 x 10, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, custom size
D449-28: 4 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size
D449-17: 2 holes	SEF: A3, A4, A5, B4 JIS, B5 JIS, 11 x 17, 8.5 x 14, 8.5 x 13, 8.5 x 11, 8.25 x 14, 8.25 x 13, 8 x 13, 8 x 10, 7.25 x 10.5, 5.5 x 8.5, 8K, 16K, 11 x 15, 11 x 14, 10 x 15, 10 x 14, custom size
D449-17: 2 holes	LEF: A4, A5, B5 JIS, 8.5 x 11, 7.25 x 10.5, 5.5 x 8.5, 16K, custom size

Punch unit type	Paper size
D449-17: 3 holes	SEF: A3, B4 JIS, 11 x 17, 11 x 15, 11 x 14, 10 x 15, 10 x 14, 8K, custom size
D449-17: 3 holes	LEF: A4, B5 JIS, 8.5 x 11, 7.25 x 10.5, 16K, custom size

Paper weight:

- 2 holes, 3 holes: 52.3 – 209.0 g/m² (14.0 lb. Bond – 77.3 lb. Cover)
- 4 holes: 52.3 – 163.0 g/m² (14.0 lb. Bond – 60.0 lb. Cover)

2. Preventive Maintenance Tables

Maintenance Tables

The yield figures in these tables are based on the following conditions.

- A4/LT LEF (Simplex)
- 5% image coverage ratio
- 5P/J (pages per job)

PM Parts

Scanner

Item	300K	EM	Remarks
1st mirror	C		Optics cloth
2nd mirror	C		Optics cloth
3rd mirror	C		Optics cloth
Exposure Glass	C	C	Dry cloth
Original Length Sensors	C		Dry cloth
ADF Exposure Glass	C	C	Dry cloth

Development

Item	300K	600K	EM	Remarks
Developer		R		Collect with a plastic bag
Development Filter		R		
Gears	C			Blower brush, Dry cloth
Development Unit	C			Blower brush, Dry cloth

PCDU

Item	300K	400K	500K	1000K	1400K	Remarks
Drum Cleaning Unit		R				Replace the unit (TCRU)
(Drum Cleaning Blade)	R*1	R*2				
(Side seal: cleaning blade)	R*1	R*2				Replace at the same time as the cleaning blade
(Lubrication Roller)	R*1	R*2				Replace at the same time as the lubricant bar
(Lubricant Bar)	R*1	R*2				
(Lubricant Blade)	R*1	R*2				
(Side seal: Lubricant Blade)	R*1	R*2				Replace at the same time as the lubricant blade

2.Preventive Maintenance Tables

Item	300K	400K	500K	1000K	1400K	Remarks
(Lubrication Roller Drive Joint)	R*1	R*2				
(Gears)	R*1	R*2				
Charge Roller Unit		R*1	R*2			Replace the unit
OPC Drum				R*1	R*2	
Potential Sensor	C					Dry cloth
Quenching Lamp	C					Dry cloth
Drum Shaft	C					GREASE-KS660B

*1: MP C6503/C8003

*2: Pro C5200S/C5210S

Toner Supply

Item	300K	EM	Remarks
Toner Supply Unit	C		Blower brush, Dry cloth

Transfer

Item	300K	500K	1000K	EM	Remarks
ITB Unit					
(Image Transfer Belt)			R		Dry cloth
(Image Transfer Roller)			R		
(ITB Bias Roller)			R		Damp cloth
(Rollers)			C		
(ID Sensor)			C		
ITB Cleaning Unit		R*1			Replace the Unit (TCRU)
(ITB Cleaning Blade)		R			
(ITB Lubricant Brush)		R			Replace all together
(ITB Lubricant Blade)		R			
(ITB Lubricant Bar)		R			
Paper Transfer Belt Unit		R*1			Replace the Unit (TCRU)
(Belt Unit)			R		
(Cleaning Blade)		R			
(Joint of the Paper Transfer Drive Shaft)	L				Lubricate with the grease (Barrierta S552R) after replacing the paper transfer belt unit.
(Paper Transfer Lubrication Roller)	R*1				Replace at the same time as the paper transfer lubricant bar.
(Paper Transfer Lubricant Bar)	R*1				Replace at the same time as the paper transfer lubrication roller.
Paper Transport Belt Unit	C			C	Remove toner and paper dust, Blower brush

2.Preventive Maintenance Tables

Item	300K	500K	1000K	EM	Remarks
Set Sensor					
Paper Transport Belt	C			C	Damp cloth

*1: Pro C5200S/C5210S

Fusing

Item	300K	400K	600K	700K	800K	EM	Remarks
Fusing Unit			R*2				Replace the Unit (TCRU)
(Fusing Belt)			R*2	R*1			
(Fusing Roller)				R*1	R*2		
(Pressure Roller)			R*2	R*1			
(Heating Roller Shaft, Flanges)				R*1	R*2		
(Bearings: Pressure Roller)			C*2	C*1			Apply Grease Barrierta-S552R at the same time as when replacing PM parts
(Stripper Plate: Fusing Roller)	C						Remove toner and paper dust, Dry cloth
(Stripper Plate: Pressure Roller)	C						Remove toner and paper dust, Dry cloth
(Fusing Entrance Guide)	C						Remove toner and paper dust, Dry cloth
Thermistor (Fusing Belt)			C*2	C*1			Remove toner and paper dust, Dry cloth Do at the same time as when replacing PM parts
Thermistor (Hot Roller Shaft)*2			C				Remove toner and paper dust, Dry cloth Do at the same time as when replacing PM parts
(Gears)	C						FLUOTRIBO MG GREASE
(Bearings: Fusing Roller)			C*2	C*1			Apply Grease Barrierta-S552R at the same time as when replacing PM parts
(Thermopile (Pressure Roller))			C*2	C*1			Dry cloth
(Thermopile (Fusing Belt))	C						Dry cloth
Fusing Belt Smoothing Roller*2	R						Replace the Unit (TCRU)
Fusing Cleaning Web Unit*2		R					Replace the Unit (TCRU)
(Fusing Cleaning		R					

2.Preventive Maintenance Tables

Item	300K	400K	600K	700K	800K	EM	Remarks
Web)* ²							
(Web Pressing Roller)* ²		R					
(Web Roller Stopper)* ²		R					

*1: MP C6503/C8003

*2: Pro C5200S/C5210S

Miscellaneous

Item	300K	600K	900K	1200K	EM	Remarks
Waste Toner Bottle* ¹						Replace when toner bottle is full
Drawer Unit					C	Remove toner and paper dust, Dry cloth
Ozone Filters (Large)				R		
Ozone Filters (Small)				R		
Toner Shield Glass (Laser Unit)	C				C	
Dust Filters (Large)		R				
Dust Filters (Small)	R					
Deodorization Filter				R		
Development Intake Dust Filter		C				
Pressure Roller Dust Filter* ²		C				
Duplex Exhaust Ozone Filters		C				
Particulate Filters (Fusing/Paper Exit)				C		
Particulate Filters (Transfer/Fusing)				C		
Particulate Filters (Fusing Pressure Roller)				C		

*1: The customer replaces the Waste Toner Bottle. By changing SP5-073-001, service replacement mode for Waste Toner Bottle is enabled. Never try to empty toner out of the waste toner bottle to use the same bottle again; always replace the bottle with a new one. This is because the transfer coil inside the bottle may break.

*2: Pro C5200S/C5210S

Paper Feed (Paper Trays)

Item	300K	EM	Remarks
Tray 1 Pick-up Roller		C	Damp cloth
Tray 2 Pick-up Roller		C	Damp cloth
Tray 3 Pick-up Roller		C	Damp cloth
Tray 1 Feed Roller		C	Damp cloth

2.Preventive Maintenance Tables

Item	300K	EM	Remarks
Tray 2 Feed Roller		C	Damp cloth
Tray 3 Feed Roller		C	Damp cloth
Tray 4 Feed Roller		C	Damp cloth
Tray 1 Separation Roller		C	Damp cloth
Tray 2 Separation Roller		C	Damp cloth
Tray 3 Separation Roller		C	Damp cloth
Tray 4 Separation Roller		C	Damp cloth
Tray 1 Paper Transport Roller (drive/idle)	C		Damp cloth
Tray 2 Paper Transport Roller (drive/idle)	C		Damp cloth
Tray 3 Paper Transport Roller (drive/idle)	C		Damp cloth
Tray 4 Paper Transport Roller (drive/idle)	C		Damp cloth
Tray 1 Transport Sensor	C	C	Blower brush
Tray 2 Transport Sensor	C	C	Blower brush
Tray 3 Transport Sensor	C	C	Blower brush
Tray 4 Transport Sensor	C	C	Blower brush
Tray 1 Paper Feed Sensor	C	C	Blower brush
Tray 2 Paper Feed Sensor	C	C	Blower brush
Tray 3 Paper Feed Sensor	C	C	Blower brush
Tray 4 Paper Feed Sensor	C	C	Blower brush

Paper Feed (Mainframe)

Item	300K	EM	Remarks
Registration Rollers (drive/idle)	C	C	Damp cloth
Relay Roller (drive/idle)	C	C	Damp cloth
Bypass Relay Roller (drive/idle)	C	C	Damp cloth
Registration Sensor	C	C	Blower brush
Relay Sensor	C	C	Blower brush
Paper Dust Collection Unit	C	C	Paper dust out and dry cloth
Registration Guide Plates (upper/lower)	C	C	Blower brush, Dry cloth
Bypass Paper Feed Sensor	C	C	Blower brush
Bypass Tray Paper End Sensor*1	C	C	Blower brush
Bypass Pick-up Roller		C	Damp cloth
Bypass Feed Roller		C	Damp cloth
Bypass Separation Roller		C	Damp cloth

*1: Pro C5200S/C5210S

Paper Exit, Duplex

Item	300K	EM	Remarks
Heat Pipe Roller	C	C	Damp cloth
Heat Pipe Roller (drive)	C	C	Damp cloth
Paper Exit Roller (drive/idle)	C	C	Damp cloth
Inverter Exit Roller (drive/idle)	C	C	Damp cloth
Inverter Feed Out Roller (drive/idle)	C	C	Damp cloth
Paper Exit Relay Roller (drive/idle)	C	C	Damp cloth
Inverter Feed In Roller (drive/idle)	C	C	Damp cloth
Paper Exit Relay Sensor	C	C	Blower brush
Paper Exit Sensor	C	C	Blower brush
Inverter Feed-in Sensor	C	C	Blower brush
Inverter Exit Sensor	C	C	Blower brush
Inverter Feed-out Sensor	C	C	Blower brush
Discharge Brush (Paper Exit)	C	C	Clean and Dry cloth
Discharge Brush (Inverter)	C	C	Clean and Dry cloth
Purge Relay Sensor	C	C	Blower brush
Paper Exit Feed Guide Plates (Top/Center/Left)	C	C	Clean and Dry cloth
Duplex Invert Roller (drive/idle)	C	C	Damp cloth
Duplex Transport Roller 1 (drive/idle)	C	C	Damp cloth
Duplex Transport Roller 2 (drive/idle)	C	C	Damp cloth
Duplex Transport Roller 3 (drive/idle)	C	C	Damp cloth
Duplex Transport Roller 4 (drive/idle)	C	C	Damp cloth
Duplex Exit Roller (drive/idle)	C	C	Damp cloth
Inverter Junction Gate Home Position Sensor	C	C	Blower brush
Duplex Invert Sensor	C	C	Blower brush
Duplex Unit Entrance Sensor	C	C	Blower brush
Duplex Unit Sensor 3	C	C	Blower brush
Duplex Unit Sensor 4	C	C	Blower brush
Duplex Exit Sensor	C	C	Blower brush
Edge Detection Sensor	C	C	Blower brush
Horizontal Feed Guide Plates (upper/lower)	C	C	Clean and Dry cloth
Purge Guide Plate (Lower)	C	C	Clean and Dry cloth

2.Preventive Maintenance Tables

Yield Parts

Paper Feed Section

Item	500K
Pick-up Roller	R
Feed Roller	R
Separation Roller	R

Bypass Tray

Item	160K
Bypass Pick-up Roller	R
Bypass Feed Roller	R
Bypass Separation Roller	R

LCIT RT4020

Item	1,000K
Pick-up Roller	R
Feed Roller	R
Separation Roller	R

LCIT RT4050

Item	300K
Pick-up Roller	R
Feed Roller	R
Separation Roller	R

Cover Interposer Tray CI4040

Item	60K
Feed Belt	R
Separation Roller	R
Pick-up Roller	R

Cover Interposer Tray CI4020

Feed Belt	R
Pick-up Roller	R
Separation Roller	R

Finisher SR4120 /Booklet Finisher SR4130

Item	3,000K
Stacking Sponge Roller	R

Finisher SR4110

Item	2,500K	3,000K
Separation Roller	R	
Drag Roller		R

3. Service Program Mode

Enabling and Disabling Service Program Mode

CAUTION

- Make sure that the data-in LED (🔌) is not on before you go into the SP mode. This LED indicates that some data is coming to the machine. When the LED is on, wait for the copier to process the data.

Note

- The Service Program Mode is for use by service representatives only. If this mode is used by anyone other than service representatives for any reason, data might be deleted or settings might be changed. In such case, product quality cannot be guaranteed any more.

Entering SP Mode

For details, ask your supervisor.

Exiting SP Mode

- Press "Exit" on the LCD twice to return to the copy window.

Types of SP Modes

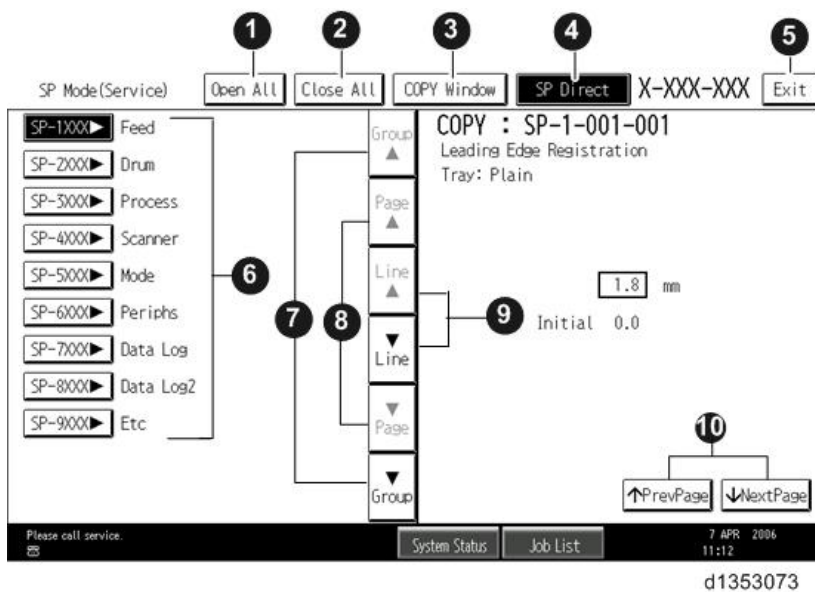
- System SP: SP modes related to the engine functions
- Printer SP: SP modes related to the controller functions
- Scanner SP: SP modes related to the scanner functions
- Fax SP: SP modes related to the fax functions

Select one of the Service Program modes (System, Printer, Scanner, or Fax) from the touch panel as shown in the diagram below after you access the SP mode. This section explains the functions of the System/Printer/Scanner SP modes. Refer to the Fax service manual for the Fax SP modes.





SP Mode Button Summary

Here is a short summary of the touch-panel buttons.




1	Opens all SP groups and sublevels.
2	Closes all open groups and sublevels and restores the initial SP mode display.

3. Service Program Mode

3	Opens the copy window (copy mode) so you can make test copies. Press SP Mode (highlighted) in the copy window to return to the SP mode screen,
4	Enter the SP code directly with the number keys if you know the SP number. Then press  . (The required SP Mode number will be highlighted when pressing  . If not, just press the required SP Mode number.)
5	Press two times to leave the SP mode and return to the copy window to resume normal operation.
6	Press any Class 1 number to open a list of Class 2 SP modes.
7	Press to scroll the show to the previous or next group.
8	Press to scroll to the previous or next display in segments the size of the screen display (page).
9	Press to scroll the show the previous or next line (line by line).
10	Press to move the highlight on the left to the previous or next selection in the list.

Switching Between SP Mode and Copy Mode for Test Printing

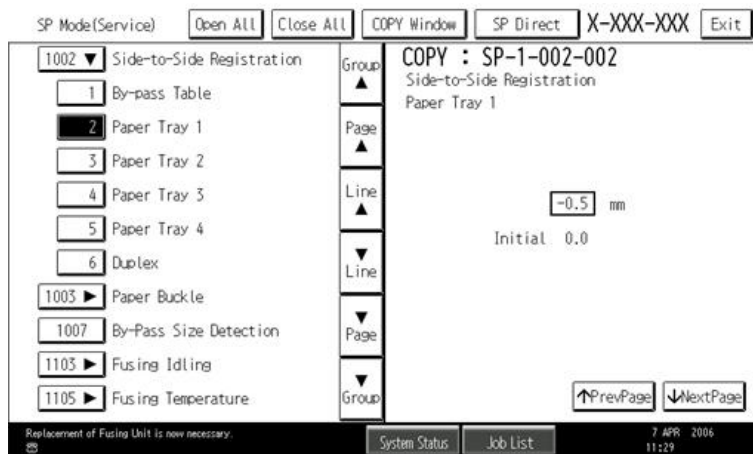
1. In the SP mode, select the test print. Then press "Copy Window".
2. Use the copy window (copier mode), to select the appropriate settings (paper size, etc.) for the test print.
3. Press Start  to start the test print.
4. Press SP Mode (highlighted) to return to the SP mode screen and repeat from step 1.

Selecting the Program Number

Program numbers have two or three levels.

1. Refer to the Service Tables to find the SP that you want to adjust before you begin.
2. Press the Group number on the left side SP Mode window that contains the SP that you want to adjust.
3. Use the scrolling buttons in the center of the SP mode window to show the SP number that you want to open. Then press that number to expand the list.
4. Use the center touch-panel buttons to scroll to the number and title of the item that you want to set and press it. The small entry box on the right activates and shows the below default or

the current settings.



d1353074

Note

- Refer to the Service Tables for the range of allowed settings.
5. Do this procedure to enter a setting:
 - Press \odot to toggle between plus and minus and use the keypad to enter the appropriate number. The number you enter writes over the previous setting.
 - Press $\#$ to enter the setting. (The value is not registered if you enter a number that is out of range.)
 - Press "Yes" when you are prompted to complete the selection.
 6. If you need to perform a test print, press Copy Window to open the copy window and select the settings for the test print. Press Start \odot and then press SP Mode (highlighted) in the copy window to return to the SP mode display.
 7. Press Exit two times to return to the copy window when you are finished.

Service Mode Lock/Unlock

At locations where the machine contains sensitive data, the customer engineer cannot operate the machine until the Administrator turns the service mode lock off. This function makes sure that work on the machine is always done with the permission of the Administrator.

1. If you cannot go into the SP mode, ask the Administrator to log in with the User Tool and then set "Service Mode Lock" to OFF after he or she logs in:

User Tools > System Settings > Administrator Tools > Service Mode Lock > OFF

 - This unlocks the machine and lets you get access to all the SP codes.
 - The CE can service the machine and turn the machine off and on. It is not necessary to ask the Administrator to log in again each time the machine is turned on.
2. Go into the SP mode and set SP5-169 to "1" if you must use the printer bit switches.
3. After machine servicing is completed:
 - Change SP5169 from "1" to "0".
 - Turn the machine off and on. Tell the administrator that you have completed servicing the machine.
 - The Administrator will then set the "Service Mode Lock" to ON.

Remarks

Display on the Control Panel Screen

The maximum number of characters which can show on the control panel screen is limited to 30 characters. For this reason, some of the SP modes shown on the screen need to be abbreviated. The following are abbreviations used for the SP modes for which the full description is over 20 characters.

<p>Paper Weight (MP C6503/C8003)</p> <p>Thin Paper: 52.3–65.9 g/m2 (14.0–17.9 lb. Bond) Plain Paper 1: 66.0–80.9 g/m2 (18.0–21.9 lb. Bond) Plain Paper 2: 81.0–100.9 g/m2 (22.0–27.0 lb. Bond) Middle Thick: 101.0–127.4 g/m2 (27.1 lb. Bond–46.9 lb. Cover) Thick Paper 1: 127.5–150.0 g/m2 (47.0–55.0 lb. Cover) Thick Paper 2: 150.1–216.0 g/m2 (55.1–79.9 lb. Cover) Thick Paper 3: 216.1–256.0 g/m2 (80.0 lb. Cover–141.0 lb. Index) Thick Paper 4: 256.1–300.0 g/m2 (141.1–165.0 lb. Index)</p>	
<p>Paper Weight (Pro C5200S/C5210S)</p> <p>Paper Weight 1: 52.3–65.9 g/m2 (14.0–17.9 lb. Bond/19.0–24.0 lb. Cover/29.0–36.0 lb. Index) Paper Weight 2: 66.0–80.9 g/m2 (18.0–21.9 lb. Bond/24.1–29.9 lb. Cover/36.1–44.9 lb. Index) Paper Weight 3: 81.0–100.9 g/m2 (22.0–27.0 lb. Bond/30.0–37.0 lb. Cover/45.0–55.9 lb. Index) Paper Weight 4: 101.0–127.4 g/m2 (27.1–34.0 lb. Bond/37.1–46.9 lb. Cover/56.0–70.0 lb. Index) Paper Weight 5: 127.5–150.0 g/m2 (34.1–40.0 lb. Bond/47.0–55.0 lb. Cover/70.1–82.9 lb. Index) Paper Weight 6: 150.1–216.0 g/m2 (40.1–57.9 lb. Bond/55.1–79.9 lb. Cover/83.0–119.0 lb. Index) Paper Weight 7: 216.1–256.0 g/m2 (58.0–68.0 lb. Bond/80.0–94.0 lb. Cover/119.1–141.0 lb. Index) Paper Weight 8: 256.1–300.0 g/m2 (68.1–80.0 lb. Bond/94.1–110.0 lb. Cover/141.1–165.0 lb. Index) Paper Weight 9: 300.1–360.0 g/m2 (80.1–96.0 lb. Bond/110.1–132.0 lb. Cover/165.1–198.0 lb. Index)</p>	
<p>Paper Type</p> <p>N: Normal paper MTH: Middle thick paper TH: Thick paper</p>	<p>Paper Feed Station</p> <p>P: Paper tray B: By-pass table</p>
<p>Color Mode [Color] [K]: Black in B&W mode [Y], [M], or [C]: Yellow, Magenta, or Cyan in Full Color mode [YMC]: Only for Yellow, Magenta, and Cyan [FC]: Full Color mode [FC, K], [FC, Y], [FC, M], or [FC, C]: Black, Yellow, Magenta, or Cyan in full color mode</p>	
<p>Process Speed (MP C6503/C8003)</p> <p>L: Low speed /ML: Middle low speed /M: Middle speed /H: High speed (Standard) MP C6503 L: 158.76 mm/s /M: 176.4 mm/s /H: 287.07 mm/s</p>	

MP C8003 L: 158.76 mm/s /ML: 176.4 mm/s /M: 287.07 mm/s /H: 352.8 mm/s
Process Speed (Pro C5200S/C5210S) L: Low speed /ML: Middle low speed /M: Middle speed /H: High speed (Standard) Pro C5200S L: 158.76 mm/s/ M: 246.96 mm/s/ H: 287.07 mm/s Pro C5210S L: 158.76 mm/s/ M: 246.96 mm/s/ H: 352.8 mm/s
Print Mode S: Simplex D: Duplex

Service Table Key

Notation	What it means
ENG	Engine SP
CTL	Controller SP
[Min to Max/Init./Step]	Example: [-9 to 9 / 0 / 0.1mm]. The setting can be adjusted in the range ± 9 , value reset to 0 after an NVRAM reset, and the value can be changed in 0.1 mm steps with each key press.
*	Value stored in NVRAM. After a RAM reset, this default value (factory setting) is restored.

SP Group 1000-01

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-001-001	Lead Edge Reg	Tray 1	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-002	Lead Edge Reg	Bypass Tray	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-003	Lead Edge Reg	Duplex	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-004	Lead Edge Reg	Thin	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-005	Lead Edge Reg	Plain1	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-006	Lead Edge Reg	Plain2	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-007	Lead Edge Reg	Mid-Thick	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-008	Lead Edge Reg	Thick1	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-009	Lead Edge Reg	Thick2	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-010	Lead Edge Reg	Thick3	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-011	Lead Edge Reg	Thick4	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-012	Lead Edge Reg	Tray2	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-013	Lead Edge Reg	Tray3	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-014	Lead Edge Reg	Tray4	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-015	Lead Edge Reg	LCT	ENG	[-9 to 9 / 0 / 0.1mm]
1-001-016	Lead Edge Reg	Thick5	ENG	[-9 to 9 / 0 / 0.1mm]
1-003-001	Side-to-Side Reg	Tray1	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-	Side-to-Side Reg	Tray2	ENG	[-4 to 4 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-003-003	Side-to-Side Reg	Tray3	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-004	Side-to-Side Reg	Tray4	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-005	Side-to-Side Reg	Bypass Tray	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-006	Side-to-Side Reg	Duplex	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-007	Side-to-Side Reg	LCT	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-008	Side-to-Side Reg	Thin	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-009	Side-to-Side Reg	Plain1	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-010	Side-to-Side Reg	Plain2	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-011	Side-to-Side Reg	Mid-Thick	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-012	Side-to-Side Reg	Thick1	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-013	Side-to-Side Reg	Thick2	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-014	Side-to-Side Reg	Thick3	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-015	Side-to-Side Reg	Thick4	ENG	[-4 to 4 / 0 / 0.1mm]
1-003-016	Side-to-Side Reg	Thick5	ENG	[-9 to 9 / 0 / 0.1mm]
1-003-017	Duplex Side-to-Side Reg Adj	Tray 1	ENG	[-3 to 3 / 0 / 0.1mm]
1-003-018	Duplex Side-to-Side Reg Adj	Tray 2	ENG	[-3 to 3 / 0 / 0.1mm]
1-003-019	Duplex Side-to-Side Reg Adj	Tray 3	ENG	[-3 to 3 / 0 / 0.1mm]
1-003-	Duplex Side-to-Side Reg Adj	Tray 4	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
1-003-021	Duplex Side-to-Side Reg Adj	Bypass Tray	ENG	[-3 to 3 / 0 / 0.1mm]
1-003-022	Duplex Side-to-Side Reg Adj	LCT	ENG	[-3 to 3 / 0 / 0.1mm]
1-004-001	Reg Buckle Adj	Tray1	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-002	Reg Buckle Adj	Bypass Tray	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-003	Reg Buckle Adj	Duplex	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-004	Reg Buckle Adj	LCT	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-005	Reg Buckle Adj	Thick1	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-006	Reg Buckle Adj	Thick2	ENG	[-5 to 5 / 2 / 0.1mm]
1-004-007	Reg Buckle Adj	Thick3	ENG	[-5 to 5 / 2 / 0.1mm]
1-004-008	Reg Buckle Adj	Thick4	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-009	Reg Buckle Adj	Thick5	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-010	Reg Buckle Adj	Tray2	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-011	Reg Buckle Adj	Tray3	ENG	[-5 to 5 / 0 / 0.1mm]
1-004-012	Reg Buckle Adj	Tray4	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-001	Dup Buckle Adj	Thin	ENG	[-5 to 5 / -3 / 0.1mm]
1-005-002	Dup Buckle Adj	Plain1	ENG	[-5 to 5 / * / 0.1mm] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: -2 *Pro C5210S: -2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-005-003	Dup Buckle Adj	Plain2	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-004	Dup Buckle Adj	Mid-Thick	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-005	Dup Buckle Adj	Thick1	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-006	Dup Buckle Adj	Thick2	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-007	Dup Buckle Adj	Thick3	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-008	Dup Buckle Adj	Thick4	ENG	[-5 to 5 / 0 / 0.1mm]
1-005-009	Dup Buckle Adj	Thick5	ENG	[-9 to 9 / 0 / 0.1mm]
1-007-001	Fine Adj Feed Mtr 1 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-007-002	Fine Adj Feed Mtr 1 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-007-003	Fine Adj Feed Mtr 1 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-007-004	Fine Adj Feed Mtr 1 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-007-005	Fine Adj Feed Mtr 1 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-007-006	Fine Adj Feed Mtr 1 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-007-007	Fine Adj Feed Mtr 1 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-007-008	Fine Adj Feed Mtr 1 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-007-009	Fine Adj Feed Mtr 1 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-007-010	Fine Adj Feed Mtr 1 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-007-011	Fine Adj Feed Mtr 1 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-007-012	Fine Adj Feed Mtr 1 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-007-013	Fine Adj Feed Mtr 1 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-014	Fine Adj Feed Mtr 1 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-015	Fine Adj Feed Mtr 1 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-016	Fine Adj Feed Mtr 1 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-017	Fine Adj Feed Mtr 1 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-007-018	Fine Adj Feed Mtr 1 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-007-019	Fine Adj Feed Mtr 1 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-007-020	Fine Adj Feed Mtr 1 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-021	Fine Adj Feed Mtr 1 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-022	Fine Adj Feed Mtr 1 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-007-023	Fine Adj Feed Mtr 1 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-001	Fine Adj Transport Mtr 1 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-008-002	Fine Adj Transport Mtr 1 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-008-003	Fine Adj Transport Mtr 1 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-008-004	Fine Adj Transport Mtr 1 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-008-005	Fine Adj Transport Mtr 1 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-008-006	Fine Adj Transport Mtr 1 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-008-007	Fine Adj Transport Mtr 1 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-008-008	Fine Adj Transport Mtr 1 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-008-009	Fine Adj Transport Mtr 1 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-008-010	Fine Adj Transport Mtr 1 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-008-011	Fine Adj Transport Mtr 1 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-008-012	Fine Adj Transport Mtr 1 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-008-013	Fine Adj Transport Mtr 1 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-014	Fine Adj Transport Mtr 1 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-015	Fine Adj Transport Mtr 1 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-016	Fine Adj Transport Mtr 1 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-017	Fine Adj Transport Mtr 1 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-008-018	Fine Adj Transport Mtr 1 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-008-019	Fine Adj Transport Mtr 1 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-008-020	Fine Adj Transport Mtr 1 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-021	Fine Adj Transport Mtr 1 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-022	Fine Adj Transport Mtr 1 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-008-023	Fine Adj Transport Mtr 1 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-001	Fine Adj Feed Mtr 2 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-009-002	Fine Adj Feed Mtr 2 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-009-003	Fine Adj Feed Mtr 2 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-009-004	Fine Adj Feed Mtr 2 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-009-005	Fine Adj Feed Mtr 2 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-009-006	Fine Adj Feed Mtr 2 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-009-007	Fine Adj Feed Mtr 2 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-009-008	Fine Adj Feed Mtr 2 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-009-009	Fine Adj Feed Mtr 2 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-009-010	Fine Adj Feed Mtr 2 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-009-011	Fine Adj Feed Mtr 2 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-009-012	Fine Adj Feed Mtr 2 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-009-013	Fine Adj Feed Mtr 2 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-014	Fine Adj Feed Mtr 2 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-015	Fine Adj Feed Mtr 2 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-016	Fine Adj Feed Mtr 2 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-017	Fine Adj Feed Mtr 2 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-009-018	Fine Adj Feed Mtr 2 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-009-019	Fine Adj Feed Mtr 2 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-009-020	Fine Adj Feed Mtr 2 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-021	Fine Adj Feed Mtr 2 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-022	Fine Adj Feed Mtr 2 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-009-023	Fine Adj Feed Mtr 2 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-001	Fine Adj Transport Mtr 2 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-010-002	Fine Adj Transport Mtr 2 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-010-003	Fine Adj Transport Mtr 2 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-010-004	Fine Adj Transport Mtr 2 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-010-005	Fine Adj Transport Mtr 2 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-010-006	Fine Adj Transport Mtr 2 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-010-007	Fine Adj Transport Mtr 2 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-010-008	Fine Adj Transport Mtr 2 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-010-009	Fine Adj Transport Mtr 2 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-010-010	Fine Adj Transport Mtr 2 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-010-011	Fine Adj Transport Mtr 2 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-010-012	Fine Adj Transport Mtr 2 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-010-013	Fine Adj Transport Mtr 2 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-014	Fine Adj Transport Mtr 2 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-010-015	Fine Adj Transport Mtr 2 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-016	Fine Adj Transport Mtr 2 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-017	Fine Adj Transport Mtr 2 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-010-018	Fine Adj Transport Mtr 2 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-010-019	Fine Adj Transport Mtr 2 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-010-020	Fine Adj Transport Mtr 2 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-021	Fine Adj Transport Mtr 2 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-022	Fine Adj Transport Mtr 2 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-010-023	Fine Adj Transport Mtr 2 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-001	Fine Adj Feed Mtr 3 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-011-002	Fine Adj Feed Mtr 3 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-011-003	Fine Adj Feed Mtr 3 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-011-004	Fine Adj Feed Mtr 3 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-011-005	Fine Adj Feed Mtr 3 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-011-006	Fine Adj Feed Mtr 3 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-011-007	Fine Adj Feed Mtr 3 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-011-008	Fine Adj Feed Mtr 3 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-011-009	Fine Adj Feed Mtr 3 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-011-010	Fine Adj Feed Mtr 3 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-011-011	Fine Adj Feed Mtr 3 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-011-012	Fine Adj Feed Mtr 3 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-011-013	Fine Adj Feed Mtr 3 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-014	Fine Adj Feed Mtr 3 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-015	Fine Adj Feed Mtr 3 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-016	Fine Adj Feed Mtr 3 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-017	Fine Adj Feed Mtr 3 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-011-018	Fine Adj Feed Mtr 3 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-011-019	Fine Adj Feed Mtr 3 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-011-020	Fine Adj Feed Mtr 3 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-021	Fine Adj Feed Mtr 3 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-022	Fine Adj Feed Mtr 3 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-011-023	Fine Adj Feed Mtr 3 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-001	Fine Adj Transport Mtr 3 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-012-002	Fine Adj Transport Mtr 3 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-012-003	Fine Adj Transport Mtr 3 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-012-004	Fine Adj Transport Mtr 3 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-012-005	Fine Adj Transport Mtr 3 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-012-006	Fine Adj Transport Mtr 3 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-012-007	Fine Adj Transport Mtr 3 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-012-008	Fine Adj Transport Mtr 3 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-012-009	Fine Adj Transport Mtr 3 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-012-010	Fine Adj Transport Mtr 3 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-012-011	Fine Adj Transport Mtr 3 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-012-012	Fine Adj Transport Mtr 3 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-012-013	Fine Adj Transport Mtr 3 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-014	Fine Adj Transport Mtr 3 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-015	Fine Adj Transport Mtr 3 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-016	Fine Adj Transport Mtr 3 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-017	Fine Adj Transport Mtr 3 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-012-018	Fine Adj Transport Mtr 3 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-012-019	Fine Adj Transport Mtr 3 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-012-020	Fine Adj Transport Mtr 3 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-021	Fine Adj Transport Mtr 3 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-012-022	Fine Adj Transport Mtr 3 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-012-023	Fine Adj Transport Mtr 3 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-001	Fine Adj Feed Mtr 4 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-013-002	Fine Adj Feed Mtr 4 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-013-003	Fine Adj Feed Mtr 4 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-013-004	Fine Adj Feed Mtr 4 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-013-005	Fine Adj Feed Mtr 4 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-013-006	Fine Adj Feed Mtr 4 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-013-007	Fine Adj Feed Mtr 4 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-013-008	Fine Adj Feed Mtr 4 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-013-009	Fine Adj Feed Mtr 4 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-013-010	Fine Adj Feed Mtr 4 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-013-011	Fine Adj Feed Mtr 4 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-013-012	Fine Adj Feed Mtr 4 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-013-013	Fine Adj Feed Mtr 4 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-014	Fine Adj Feed Mtr 4 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-015	Fine Adj Feed Mtr 4 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-016	Fine Adj Feed Mtr 4 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-017	Fine Adj Feed Mtr 4 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-013-018	Fine Adj Feed Mtr 4 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-013-019	Fine Adj Feed Mtr 4 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-013-020	Fine Adj Feed Mtr 4 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-021	Fine Adj Feed Mtr 4 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-022	Fine Adj Feed Mtr 4 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-013-023	Fine Adj Feed Mtr 4 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-001	Fine Adj Transport Mtr 4 Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-014-002	Fine Adj Transport Mtr 4 Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-014-003	Fine Adj Transport Mtr 4 Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-014-004	Fine Adj Transport Mtr 4 Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-014-005	Fine Adj Transport Mtr 4 Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-014-006	Fine Adj Transport Mtr 4 Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-014-007	Fine Adj Transport Mtr 4 Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-014-008	Fine Adj Transport Mtr 4 Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-014-009	Fine Adj Transport Mtr 4 Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-014-010	Fine Adj Transport Mtr 4 Spd	Matte:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-014-011	Fine Adj Transport Mtr 4 Spd	Matte:Plain2	ENG	[-3 to 3 / -0.1 / 0.1%]
1-014-012	Fine Adj Transport Mtr 4 Spd	Matte:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-014-013	Fine Adj Transport Mtr 4 Spd	Matte:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-014	Fine Adj Transport Mtr 4 Spd	Matte:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-015	Fine Adj Transport Mtr 4 Spd	Matte:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-016	Fine Adj Transport Mtr 4 Spd	Matte:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-017	Fine Adj Transport Mtr 4 Spd	Glossy:Plain1	ENG	[-3 to 3 / 0.2 / 0.1%]
1-014-018	Fine Adj Transport Mtr 4 Spd	Glossy:Plain2	ENG	[-3 to 3 / 0.2 / 0.1%]
1-014-019	Fine Adj Transport Mtr 4 Spd	Glossy:Mid-Thick	ENG	[-3 to 3 / 0.2 / 0.1%]
1-014-020	Fine Adj Transport Mtr 4 Spd	Glossy:Thick1	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-021	Fine Adj Transport Mtr 4 Spd	Glossy:Thick2	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-022	Fine Adj Transport Mtr 4 Spd	Glossy:Thick3	ENG	[-3 to 3 / -0.4 / 0.1%]
1-014-023	Fine Adj Transport Mtr 4 Spd	Glossy:Thick4	ENG	[-3 to 3 / -0.4 / 0.1%]
1-015-001	Fine Adj Bypass Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 1.6 / 0.1%]
1-015-002	Fine Adj Bypass Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-015-003	Fine Adj Bypass Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-015-004	Fine Adj Bypass Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-015-005	Fine Adj Bypass Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-015-006	Fine Adj Bypass Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-015-007	Fine Adj Bypass Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-015-008	Fine Adj Bypass Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-015-009	Fine Adj Bypass Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-015-010	Fine Adj Bypass Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-015-011	Fine Adj Bypass Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-015-012	Fine Adj Bypass Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-013	Fine Adj Bypass Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-014	Fine Adj Bypass Mtr Spd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-015	Fine Adj Bypass Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-016	Fine Adj Bypass Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-015-017	Fine Adj Bypass Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-015-018	Fine Adj Bypass Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-015-019	Fine Adj Bypass Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-020	Fine Adj Bypass Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-021	Fine Adj Bypass Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-022	Fine Adj Bypass Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-023	Fine Adj Bypass Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-015-024	Fine Adj Bypass Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-015-025	Fine Adj Bypass Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-016-001	Fine Adj Relay Mtr CW Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-016-002	Fine Adj Relay Mtr CW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-016-003	Fine Adj Relay Mtr CW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-016-004	Fine Adj Relay Mtr CW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-016-005	Fine Adj Relay Mtr CW Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-016-006	Fine Adj Relay Mtr CW Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-016-007	Fine Adj Relay Mtr CW Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-016-008	Fine Adj Relay Mtr CW Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-016-009	Fine Adj Relay Mtr CW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-016-010	Fine Adj Relay Mtr CW Spd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-016-011	Fine Adj Relay Mtr CW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-016-012	Fine Adj Relay Mtr CW Spd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-013	Fine Adj Relay Mtr CW Spd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-014	Fine Adj Relay Mtr CW Spd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-015	Fine Adj Relay Mtr CW Spd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-016	Fine Adj Relay Mtr CW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-016-017	Fine Adj Relay Mtr CW Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-016-018	Fine Adj Relay Mtr CW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-016-019	Fine Adj Relay Mtr CW Spd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-020	Fine Adj Relay Mtr CW Spd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-021	Fine Adj Relay Mtr CW Spd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-022	Fine Adj Relay Mtr CW Spd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-023	Fine Adj Relay Mtr CW Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-016-024	Fine Adj Relay Mtr CW Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-016-025	Fine Adj Relay Mtr CW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-017-001	Fine Adj Relay Mtr CW IncSpd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-017-002	Fine Adj Relay Mtr CW IncSpd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-017-003	Fine Adj Relay Mtr CW IncSpd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-017-004	Fine Adj Relay Mtr CW IncSpd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-017-005	Fine Adj Relay Mtr CW IncSpd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-017-006	Fine Adj Relay Mtr CW IncSpd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-017-007	Fine Adj Relay Mtr CW IncSpd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-017-008	Fine Adj Relay Mtr CW IncSpd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-017-009	Fine Adj Relay Mtr CW IncSpd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-017-010	Fine Adj Relay Mtr CW IncSpd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-017-011	Fine Adj Relay Mtr CW IncSpd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-017-012	Fine Adj Relay Mtr CW IncSpd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-013	Fine Adj Relay Mtr CW IncSpd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-014	Fine Adj Relay Mtr CW IncSpd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-015	Fine Adj Relay Mtr CW IncSpd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-016	Fine Adj Relay Mtr CW IncSpd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-017-017	Fine Adj Relay Mtr CW IncSpd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-017-018	Fine Adj Relay Mtr CW IncSpd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-017-019	Fine Adj Relay Mtr CW IncSpd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-020	Fine Adj Relay Mtr CW IncSpd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-021	Fine Adj Relay Mtr CW IncSpd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-022	Fine Adj Relay Mtr CW IncSpd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-023	Fine Adj Relay Mtr CW IncSpd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-017-024	Fine Adj Relay Mtr CW IncSpd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-017-025	Fine Adj Relay Mtr CW IncSpd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-018-001	Fine Adj Relay Mtr CCW Spd	Plain:Thin	ENG*	[-3 to 3 / 1.6 / 0.1%]
1-018-002	Fine Adj Relay Mtr CCW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-018-003	Fine Adj Relay Mtr CCW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-018-004	Fine Adj Relay Mtr CCW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-018-005	Fine Adj Relay Mtr CCW Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-018-006	Fine Adj Relay Mtr CCW Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-018-007	Fine Adj Relay Mtr CCW Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-018-008	Fine Adj Relay Mtr CCW Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-018-009	Fine Adj Relay Mtr CCW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-018-010	Fine Adj Relay Mtr CCW Spd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-018-011	Fine Adj Relay Mtr CCW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-018-012	Fine Adj Relay Mtr CCW Spd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-013	Fine Adj Relay Mtr CCW Spd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-014	Fine Adj Relay Mtr CCW Spd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-015	Fine Adj Relay Mtr CCW Spd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-016	Fine Adj Relay Mtr CCW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-018-017	Fine Adj Relay Mtr CCW Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-018-018	Fine Adj Relay Mtr CCW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-018-019	Fine Adj Relay Mtr CCW Spd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-020	Fine Adj Relay Mtr CCW Spd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-021	Fine Adj Relay Mtr CCW Spd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-022	Fine Adj Relay Mtr CCW Spd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-018-023	Fine Adj Relay Mtr CCW Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-018-024	Fine Adj Relay Mtr CCW Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-018-025	Fine Adj Relay Mtr CCW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-019-001	Fine Adj Registration Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-002	Fine Adj Registration Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-019-003	Fine Adj Registration Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-019-004	Fine Adj Registration Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-019-005	Fine Adj Registration Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-019-006	Fine Adj Registration Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-019-007	Fine Adj Registration Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-019-008	Fine Adj Registration Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-019-009	Fine Adj Registration Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-010	Fine Adj Registration Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-019-011	Fine Adj Registration Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-012	Fine Adj Registration Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-013	Fine Adj Registration Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-014	Fine Adj Registration Mtr Spd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-015	Fine Adj Registration Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-019-016	Fine Adj Registration Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-017	Fine Adj Registration Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-018	Fine Adj Registration Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-019-019	Fine Adj Registration Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-020	Fine Adj Registration Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-021	Fine Adj Registration Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-022	Fine Adj Registration Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-023	Fine Adj Registration Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-019-024	Fine Adj Registration Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-019-025	Fine Adj Registration Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-021-001	PTR Cont Timing	Plain:Thin	ENG	[-50 to 50 / * / 1mm] *MP C6503: -11 *MP C8003: -14 *Pro C5200S: -11 *Pro C5210S: -14
1-021-002	PTR Cont Timing	Plain:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -10 *MP C8003: -13 *Pro C5200S: -10 *Pro C5210S: -13
1-021-003	PTR Cont Timing	Plain:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -9 *MP C8003: -12 *Pro C5200S: -9 *Pro C5210S: -12
1-021-	PTR Cont Timing	Plain:Mid-Thick	ENG	[-50 to 50 / * / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				*MP C6503: -9 *MP C8003: -11 *Pro C5200S: -9 *Pro C5210S: -11
1-021-005	PTR Cont Timing	Plain:Thick1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -9 *MP C8003: -9 *Pro C5200S: -7 *Pro C5210S: -9
1-021-006	PTR Cont Timing	Plain:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -7 *MP C8003: -7 *Pro C5200S: -11 *Pro C5210S: -11
1-021-007	PTR Cont Timing	Plain:Thick3	ENG	[-50 to 50 / -5 / 1mm]
1-021-008	PTR Cont Timing	Plain:Thick4	ENG	[-50 to 50 / -3 / 1mm]
1-021-009	PTR Cont Timing	Plain:Thick5	ENG	[-50 to 50 / -2 / 1mm]
1-021-012	PTR Cont Timing	Glossy:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16 *MP C8003: -20 *Pro C5200S: -16 *Pro C5210S: -20
1-021-013	PTR Cont Timing	Glossy:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -14 *MP C8003: -18 *Pro C5200S: -14 *Pro C5210S: -18
1-021-014	PTR Cont Timing	Glossy:Mid-Thick	ENG	[-50 to 50 / * / 1mm] *MP C6503: -13 *MP C8003: -17 *Pro C5200S: -13 *Pro C5210S: -17
1-021-015	PTR Cont Timing	Glossy:Thick1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -15

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: -15 *Pro C5200S: -12 *Pro C5210S: -15
1-021-016	PTR Cont Timing	Glossy:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -14 *MP C8003: -14 *Pro C5200S: -22 *Pro C5210S: -22
1-021-017	PTR Cont Timing	Glossy:Thick3	ENG	[-50 to 50 / -11 / 1mm]
1-021-018	PTR Cont Timing	Glossy:Thick4	ENG	[-50 to 50 / -10 / 1mm]
1-021-019	PTR Cont Timing	Glossy:Thick5	ENG	[-50 to 50 / -10 / 1mm]
1-021-022	PTR Cont Timing	Matte:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16 *MP C8003: -20 *Pro C5200S: -16 *Pro C5210S: -20
1-021-023	PTR Cont Timing	Matte:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -14 *MP C8003: -18 *Pro C5200S: -14 *Pro C5210S: -18
1-021-024	PTR Cont Timing	Matte:Mid-Thick	ENG	[-50 to 50 / * / 1mm] *MP C6503: -13 *MP C8003: -17 *Pro C5200S: -13 *Pro C5210S: -17
1-021-025	PTR Cont Timing	Matte:Thick1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -15 *MP C8003: -15 *Pro C5200S: -12 *Pro C5210S: -15
1-021-026	PTR Cont Timing	Matte:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -14 *MP C8003: -14

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: -22 *Pro C5210S: -22
1-021-027	PTR Cont Timing	Matte:Thick3	ENG	[-50 to 50 / -11 / 1mm]
1-021-028	PTR Cont Timing	Matte:Thick4	ENG	[-50 to 50 / -10 / 1mm]
1-021-029	PTR Cont Timing	Matte:Thick5	ENG	[-50 to 50 / -10 / 1mm]
1-021-031	PTR Cont Timing	Texture:Thick1	ENG	[-50 to 50 / -10 / 1mm]
1-021-032	PTR Cont Timing	Texture:Thick2	ENG	[-50 to 50 / -9 / 1mm]
1-021-033	PTR Cont Timing	Texture:Thick3	ENG	[-50 to 50 / -9 / 1mm]
1-021-034	PTR Cont Timing	Texture:Thick4	ENG	[-50 to 50 / -8 / 1mm]
1-021-035	PTR Cont Timing	Texture:Thick5	ENG	[-50 to 50 / -8 / 1mm]
1-021-036	PTR Cont Timing	Texture:Thick6	ENG	[-50 to 50 / -6 / 1mm]
1-021-037	PTR Cont Timing	Texture:Thick7	ENG	[-50 to 50 / -5 / 1mm]
1-021-038	PTR Cont Timing	Texture:Thick8	ENG	[-50 to 50 / -3 / 1mm]
1-021-039	PTR Cont Timing	Texture:Thick9	ENG	[-50 to 50 / -2 / 1mm]
1-021-056	PTR Cont Timing	Transparency	ENG	[-50 to 50 / -6 / 1mm]
1-021-061	PTR Cont Timing	Tracing Paper	ENG	[-50 to 50 / * / 1mm] *MP C6503: -11 *MP C8003: -14 *Pro C5200S: -11 *Pro C5210S: -14
1-021-076	PTR Cont Timing	Envelope:Thick2	ENG	[-50 to 50 / -6 / 1mm]
1-021-	PTR Cont Timing	Envelope:Thick3	ENG	[-50 to 50 / -5 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
077				1mm]
1-021-078	PTR Cont Timing	Envelope:Thick4	ENG	[-50 to 50 / -3 / 1mm]
1-021-081	PTR Cont Timing	Magnet	ENG	[-50 to 50 / -2 / 1mm]
1-021-093	PTR Cont Timing	Metallic:Thick3	ENG	[-50 to 50 / -9 / 1mm]
1-021-094	PTR Cont Timing	Metallic:Thick4	ENG	[-50 to 50 / -8 / 1mm]
1-021-095	PTR Cont Timing	Metallic:Thick5	ENG	[-50 to 50 / -8 / 1mm]
1-021-096	PTR Cont Timing	Metallic:Thick6	ENG	[-50 to 50 / -6 / 1mm]
1-021-097	PTR Cont Timing	Metallic:Thick7	ENG	[-50 to 50 / -5 / 1mm]
1-021-098	PTR Cont Timing	Metallic:Thick8	ENG	[-50 to 50 / -3 / 1mm]
1-021-099	PTR Cont Timing	Metallic:Thick9	ENG	[-50 to 50 / -2 / 1mm]
1-021-200	PTR Cont Timing	OFF	ENG	[-50 to 50 / -25 / 1mm]
1-022-001	PTR Sep Timing	Plain:Thin	ENG	[-50 to 50 / * / 1mm] *MP C6503: -19 *MP C8003: -23 *Pro C5200S: -19 *Pro C5210S: -23
1-022-002	PTR Sep Timing	Plain:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -19 *MP C8003: -23 *Pro C5200S: -19 *Pro C5210S: -23
1-022-003	PTR Sep Timing	Plain:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -20 *MP C8003: -24 *Pro C5200S: -20 *Pro C5210S: -24

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-022-004	PTR Sep Timing	Plain:Mid-Thick	ENG	[-50 to 50 / * / 1mm] *MP C6503: -20 *MP C8003: -24 *Pro C5200S: -20 *Pro C5210S: -24
1-022-005	PTR Sep Timing	Plain:Thick1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -15 *MP C8003: -15 *Pro C5200S: -20 *Pro C5210S: -25
1-022-006	PTR Sep Timing	Plain:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16 *MP C8003: -16 *Pro C5200S: -19 *Pro C5210S: -19
1-022-007	PTR Sep Timing	Plain:Thick3	ENG	[-50 to 50 / -15 / 1mm]
1-022-008	PTR Sep Timing	Plain:Thick4	ENG	[-50 to 50 / -16 / 1mm]
1-022-009	PTR Sep Timing	Plain:Thick5	ENG	[-50 to 50 / -16 / 1mm]
1-022-012	PTR Sep Timing	Glossy:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -22 *MP C8003: -27 *Pro C5200S: -22 *Pro C5210S: -27
1-022-013	PTR Sep Timing	Glossy:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -23 *MP C8003: -27 *Pro C5200S: -23 *Pro C5210S: -27
1-022-014	PTR Sep Timing	Glossy:Mid-Thick	ENG	[-50 to 50 / * / 1mm] *MP C6503: -23 *MP C8003: -27 *Pro C5200S: -23 *Pro C5210S: -27
1-022-	PTR Sep Timing	Glossy:Thick1	ENG	[-50 to 50 / * / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015				*MP C6503: -16 *MP C8003: -16 *Pro C5200S: -24 *Pro C5210S: -28
1-022-016	PTR Sep Timing	Glossy:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16 *MP C8003: -16 *Pro C5200S: -20 *Pro C5210S: -20
1-022-017	PTR Sep Timing	Glossy:Thick3	ENG	[-50 to 50 / -16 / 1mm]
1-022-018	PTR Sep Timing	Glossy:Thick4	ENG	[-50 to 50 / -16 / 1mm]
1-022-019	PTR Sep Timing	Glossy:Thick5	ENG	[-50 to 50 / -16 / 1mm]
1-022-022	PTR Sep Timing	Matte:Plain1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -22 *MP C8003: -27 *Pro C5200S: -22 *Pro C5210S: -27
1-022-023	PTR Sep Timing	Matte:Plain2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -23 *MP C8003: -27 *Pro C5200S: -23 *Pro C5210S: -27
1-022-024	PTR Sep Timing	Matte:Mid-Thick	ENG	[-50 to 50 / * / 1mm] *MP C6503: -23 *MP C8003: -27 *Pro C5200S: -23 *Pro C5210S: -27
1-022-025	PTR Sep Timing	Matte:Thick1	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16 *MP C8003: -16 *Pro C5200S: -24 *Pro C5210S: -28
1-022-026	PTR Sep Timing	Matte:Thick2	ENG	[-50 to 50 / * / 1mm] *MP C6503: -16

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: -16 *Pro C5200S: -20 *Pro C5210S: -20
1-022-027	PTR Sep Timing	Matte:Thick3	ENG	[-50 to 50 / -16 / 1mm]
1-022-028	PTR Sep Timing	Matte:Thick4	ENG	[-50 to 50 / -16 / 1mm]
1-022-029	PTR Sep Timing	Matte:Thick5	ENG	[-50 to 50 / -16 / 1mm]
1-022-031	PTR Sep Timing	Texture:Thick1	ENG	[-50 to 50 / -13 / 1mm]
1-022-032	PTR Sep Timing	Texture:Thick2	ENG	[-50 to 50 / -14 / 1mm]
1-022-033	PTR Sep Timing	Texture:Thick3	ENG	[-50 to 50 / -14 / 1mm]
1-022-034	PTR Sep Timing	Texture:Thick4	ENG	[-50 to 50 / -14 / 1mm]
1-022-035	PTR Sep Timing	Texture:Thick5	ENG	[-50 to 50 / -14 / 1mm]
1-022-036	PTR Sep Timing	Texture:Thick6	ENG	[-50 to 50 / -15 / 1mm]
1-022-037	PTR Sep Timing	Texture:Thick7	ENG	[-50 to 50 / -15 / 1mm]
1-022-038	PTR Sep Timing	Texture:Thick8	ENG	[-50 to 50 / -16 / 1mm]
1-022-039	PTR Sep Timing	Texture:Thick9	ENG	[-50 to 50 / -16 / 1mm]
1-022-056	PTR Sep Timing	Transparency	ENG	[-50 to 50 / -15 / 1mm]
1-022-061	PTR Sep Timing	Tracing Paper	ENG	[-50 to 50 / * / 1mm] *MP C6503: -19 *MP C8003: -23 *Pro C5200S: -19 *Pro C5210S: -23
1-022-076	PTR Sep Timing	Envelope:Thick2	ENG	[-50 to 50 / -15 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-022-077	PTR Sep Timing	Envelope:Thick3	ENG	[-50 to 50 / -15 / 1mm]
1-022-078	PTR Sep Timing	Envelope:Thick4	ENG	[-50 to 50 / -16 / 1mm]
1-022-081	PTR Sep Timing	Magnet	ENG	[-50 to 50 / -16 / 1mm]
1-022-093	PTR Sep Timing	Metallic:Thick3	ENG	[-50 to 50 / -14 / 1mm]
1-022-094	PTR Sep Timing	Metallic:Thick4	ENG	[-50 to 50 / -14 / 1mm]
1-022-095	PTR Sep Timing	Metallic:Thick5	ENG	[-50 to 50 / -14 / 1mm]
1-022-096	PTR Sep Timing	Metallic:Thick6	ENG	[-50 to 50 / -15 / 1mm]
1-022-097	PTR Sep Timing	Metallic:Thick7	ENG	[-50 to 50 / -15 / 1mm]
1-022-098	PTR Sep Timing	Metallic:Thick8	ENG	[-50 to 50 / -16 / 1mm]
1-022-099	PTR Sep Timing	Metallic:Thick9	ENG	[-50 to 50 / -16 / 1mm]
1-022-200	PTR Sep Timing	OFF	ENG	[-50 to 50 / -10 / 1mm]
1-023-001	Shock Jitter Cancel	Plain:Thin	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-002	Shock Jitter Cancel	Plain:Plain1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-023-003	Shock Jitter Cancel	Plain:Plain2	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-004	Shock Jitter Cancel	Plain:Mid-Thick	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-005	Shock Jitter Cancel	Plain:Thick1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-006	Shock Jitter Cancel	Plain:Thick2	ENG	[0 to 5 / * / 1] *MP C6503: 4 *MP C8003: 4 *Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-007	Shock Jitter Cancel	Plain:Thick3	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				4: LOW 2 5: LOW 3
1-023-008	Shock Jitter Cancel	Plain:Thick4	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-009	Shock Jitter Cancel	Plain:Thick5	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-012	Shock Jitter Cancel	Glossy:Plain1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-013	Shock Jitter Cancel	Glossy:Plain2	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-014	Shock Jitter Cancel	Glossy:Mid-Thick	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-023-015	Shock Jitter Cancel	Glossy:Thick1	ENG	[0 to 5 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 2 *Pro C5210S: 2 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-016	Shock Jitter Cancel	Glossy:Thick2	ENG	[0 to 5 / * / 1] *MP C6503: 4 *MP C8003: 4 *Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-017	Shock Jitter Cancel	Glossy:Thick3	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-018	Shock Jitter Cancel	Glossy:Thick4	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-	Shock Jitter Cancel	Glossy:Thick5	ENG	[0 to 5 / 4 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019				0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-022	Shock Jitter Cancel	Matte:Plain1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-023	Shock Jitter Cancel	Matte:Plain2	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-024	Shock Jitter Cancel	Matte:Mid-Thick	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-025	Shock Jitter Cancel	Matte:Thick1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-026	Shock Jitter Cancel	Matte:Thick2	ENG	[0 to 5 / * / 1] *MP C6503: 4 *MP C8003: 4

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-027	Shock Jitter Cancel	Matte:Thick3	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-028	Shock Jitter Cancel	Matte:Thick4	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-029	Shock Jitter Cancel	Matte:Thick5	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-031	Shock Jitter Cancel	Texture:Thick1	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-	Shock Jitter Cancel	Texture:Thick2	ENG	[0 to 5 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-033	Shock Jitter Cancel	Texture:Thick3	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-034	Shock Jitter Cancel	Texture:Thick4	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-035	Shock Jitter Cancel	Texture:Thick5	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-036	Shock Jitter Cancel	Texture:Thick6	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-037	Shock Jitter Cancel	Texture:Thick7	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-038	Shock Jitter Cancel	Texture:Thick8	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-039	Shock Jitter Cancel	Texture:Thick9	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-056	Shock Jitter Cancel	Transparency	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-061	Shock Jitter Cancel	Tracing Paper	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-076	Shock Jitter Cancel	Envelope:Thick2	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				4: LOW 2 5: LOW 3
1-023-077	Shock Jitter Cancel	Envelope:Thick3	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-078	Shock Jitter Cancel	Envelope:Thick4	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-081	Shock Jitter Cancel	Magnet	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-093	Shock Jitter Cancel	Metallic:Thick3	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-094	Shock Jitter Cancel	Metallic:Thick4	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-023-095	Shock Jitter Cancel	Metallic:Thick5	ENG	[0 to 5 / 0 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-096	Shock Jitter Cancel	Metallic:Thick6	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-097	Shock Jitter Cancel	Metallic:Thick7	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-098	Shock Jitter Cancel	Metallic:Thick8	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-099	Shock Jitter Cancel	Metallic:Thick9	ENG	[0 to 5 / 4 / 1] 0: OFF 1: ON 2: WEAK 3: LOW 1 4: LOW 2 5: LOW 3
1-023-250	Shock Jitter Cancel	CPM Adjustment	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-024-001	PTR pre-contact	Plain:Thin	ENG	[0 to 100 / 46 / 1puls]
1-024-002	PTR pre-contact	Plain:Plain1	ENG	[0 to 100 / 46 / 1puls]
1-024-003	PTR pre-contact	Plain:Plain2	ENG	[0 to 100 / 46 / 1puls]
1-024-004	PTR pre-contact	Plain:Mid-Thick	ENG	[0 to 100 / 46 / 1puls]
1-024-005	PTR pre-contact	Plain:Thick1	ENG	[0 to 100 / * / 1puls] *MP C6503: 11 *MP C8003: 11 *Pro C5200S: 46 *Pro C5210S: 46
1-024-006	PTR pre-contact	Plain:Thick2	ENG	[0 to 100 / 11 / 1puls]
1-024-007	PTR pre-contact	Plain:Thick3	ENG	[0 to 100 / 11 / 1puls]
1-024-008	PTR pre-contact	Plain:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-009	PTR pre-contact	Plain:Thick5	ENG	[0 to 100 / 11 / 1puls]
1-024-012	PTR pre-contact	Glossy:Plain1	ENG	[0 to 100 / 46 / 1puls]
1-024-013	PTR pre-contact	Glossy:Plain2	ENG	[0 to 100 / 46 / 1puls]
1-024-014	PTR pre-contact	Glossy:Mid-Thick	ENG	[0 to 100 / 46 / 1puls]
1-024-015	PTR pre-contact	Glossy:Thick1	ENG	[0 to 100 / * / 1puls] *MP C6503: 11 *MP C8003: 11 *Pro C5200S: 46 *Pro C5210S: 46
1-024-016	PTR pre-contact	Glossy:Thick2	ENG	[0 to 100 / 11 / 1puls]
1-024-017	PTR pre-contact	Glossy:Thick3	ENG	[0 to 100 / 11 / 1puls]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-024-018	PTR pre-contact	Glossy:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-019	PTR pre-contact	Glossy:Thick5	ENG	[0 to 100 / 11 / 1puls]
1-024-022	PTR pre-contact	Matte:Plain1	ENG	[0 to 100 / 46 / 1puls]
1-024-023	PTR pre-contact	Matte:Plain2	ENG	[0 to 100 / 46 / 1puls]
1-024-024	PTR pre-contact	Matte:Mid-Thick	ENG	[0 to 100 / 46 / 1puls]
1-024-025	PTR pre-contact	Matte:Thick1	ENG	[0 to 100 / * / 1puls] *MP C6503: 11 *MP C8003: 11 *Pro C5200S: 46 *Pro C5210S: 46
1-024-026	PTR pre-contact	Matte:Thick2	ENG	[0 to 100 / 11 / 1puls]
1-024-027	PTR pre-contact	Matte:Thick3	ENG	[0 to 100 / 11 / 1puls]
1-024-028	PTR pre-contact	Matte:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-029	PTR pre-contact	Matte:Thick5	ENG	[0 to 100 / 11 / 1puls]
1-024-031	PTR pre-contact	Texture:Thick1	ENG	[0 to 100 / 11 / 1puls]
1-024-032	PTR pre-contact	Texture:Thick2	ENG	[0 to 100 / 11 / 1puls]
1-024-033	PTR pre-contact	Texture:Thick3	ENG	[0 to 100 / 11 / 1puls]
1-024-034	PTR pre-contact	Texture:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-035	PTR pre-contact	Texture:Thick5	ENG	[0 to 100 / 11 / 1puls]
1-024-036	PTR pre-contact	Texture:Thick6	ENG	[0 to 100 / 11 / 1puls]
1-024-	PTR pre-contact	Texture:Thick7	ENG	[0 to 100 / 11 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
037				1puls]
1-024-038	PTR pre-contact	Texture:Thick8	ENG	[0 to 100 / 11 / 1puls]
1-024-039	PTR pre-contact	Texture:Thick9	ENG	[0 to 100 / 11 / 1puls]
1-024-056	PTR pre-contact	Transparency	ENG	[0 to 100 / 11 / 1puls]
1-024-061	PTR pre-contact	Tracing Paper	ENG	[0 to 100 / 11 / 1puls]
1-024-076	PTR pre-contact	Envelope:Thick2	ENG	[0 to 100 / 11 / 1puls]
1-024-077	PTR pre-contact	Envelope:Thick3	ENG	[0 to 100 / 11 / 1puls]
1-024-078	PTR pre-contact	Envelope:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-081	PTR pre-contact	Magnet	ENG	[0 to 100 / 11 / 1puls]
1-024-093	PTR pre-contact	Metallic:Thick3	ENG	[0 to 100 / 11 / 1puls]
1-024-094	PTR pre-contact	Metallic:Thick4	ENG	[0 to 100 / 11 / 1puls]
1-024-095	PTR pre-contact	Metallic:Thick5	ENG	[0 to 100 / 11 / 1puls]
1-024-096	PTR pre-contact	Metallic:Thick6	ENG	[0 to 100 / 11 / 1puls]
1-024-097	PTR pre-contact	Metallic:Thick7	ENG	[0 to 100 / 11 / 1puls]
1-024-098	PTR pre-contact	Metallic:Thick8	ENG	[0 to 100 / 11 / 1puls]
1-024-099	PTR pre-contact	Metallic:Thick9	ENG	[0 to 100 / 11 / 1puls]
1-024-200	PTR pre-contact	OFF	ENG	[0 to 100 / 50 / 1puls]
1-025-001	PTR Cont: Depressure	Plain:Thin	ENG	[0 to 200 / 0 / 1puls]
1-025-	PTR Cont: Depressure	Plain:Plain1	ENG	[0 to 200 / 0 / 1puls]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-025-003	PTR Cont: Depressure	Plain:Plain2	ENG	[0 to 200 / 0 / 1puls]
1-025-004	PTR Cont: Depressure	Plain:Mid-Thick	ENG	[0 to 200 / 0 / 1puls]
1-025-005	PTR Cont: Depressure	Plain:Thick1	ENG	[0 to 200 / 0 / 1puls]
1-025-006	PTR Cont: Depressure	Plain:Thick2	ENG	[0 to 200 / 0 / 1puls]
1-025-007	PTR Cont: Depressure	Plain:Thick3	ENG	[0 to 200 / 0 / 1puls]
1-025-008	PTR Cont: Depressure	Plain:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-009	PTR Cont: Depressure	Plain:Thick5	ENG	[0 to 200 / 0 / 1puls]
1-025-012	PTR Cont: Depressure	Glossy:Plain1	ENG	[0 to 200 / 0 / 1puls]
1-025-013	PTR Cont: Depressure	Glossy:Plain2	ENG	[0 to 200 / 0 / 1puls]
1-025-014	PTR Cont: Depressure	Glossy:Mid-Thick	ENG	[0 to 200 / 0 / 1puls]
1-025-015	PTR Cont: Depressure	Glossy:Thick1	ENG	[0 to 200 / 97 / 1puls]
1-025-016	PTR Cont: Depressure	Glossy:Thick2	ENG	[0 to 200 / 0 / 1puls]
1-025-017	PTR Cont: Depressure	Glossy:Thick3	ENG	[0 to 200 / 0 / 1puls]
1-025-018	PTR Cont: Depressure	Glossy:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-019	PTR Cont: Depressure	Glossy:Thick5	ENG	[0 to 200 / 0 / 1puls]
1-025-022	PTR Cont: Depressure	Matte:Plain1	ENG	[0 to 200 / 0 / 1puls]
1-025-023	PTR Cont: Depressure	Matte:Plain2	ENG	[0 to 200 / 0 / 1puls]
1-025-	PTR Cont: Depressure	Matte:Mid-Thick	ENG	[0 to 200 / 0 / 1puls]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				
1-025-025	PTR Cont: Depressure	Matte:Thick1	ENG	[0 to 200 / 0 / 1puls]
1-025-026	PTR Cont: Depressure	Matte:Thick2	ENG	[0 to 200 / 0 / 1puls]
1-025-027	PTR Cont: Depressure	Matte:Thick3	ENG	[0 to 200 / 0 / 1puls]
1-025-028	PTR Cont: Depressure	Matte:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-029	PTR Cont: Depressure	Matte:Thick5	ENG	[0 to 200 / 0 / 1puls]
1-025-031	PTR Cont: Depressure	Texture:Thick1	ENG	[0 to 200 / 0 / 1puls]
1-025-032	PTR Cont: Depressure	Texture:Thick2	ENG	[0 to 200 / 0 / 1puls]
1-025-033	PTR Cont: Depressure	Texture:Thick3	ENG	[0 to 200 / 0 / 1puls]
1-025-034	PTR Cont: Depressure	Texture:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-035	PTR Cont: Depressure	Texture:Thick5	ENG	[0 to 200 / 0 / 1puls]
1-025-036	PTR Cont: Depressure	Texture:Thick6	ENG	[0 to 200 / 0 / 1puls]
1-025-037	PTR Cont: Depressure	Texture:Thick7	ENG	[0 to 200 / 0 / 1puls]
1-025-038	PTR Cont: Depressure	Texture:Thick8	ENG	[0 to 200 / 0 / 1puls]
1-025-039	PTR Cont: Depressure	Texture:Thick9	ENG	[0 to 200 / 0 / 1puls]
1-025-056	PTR Cont: Depressure	Transparency	ENG	[0 to 200 / 0 / 1puls]
1-025-061	PTR Cont: Depressure	Tracing Paper	ENG	[0 to 200 / 0 / 1puls]
1-025-076	PTR Cont: Depressure	Envelope:Thick2	ENG	[0 to 200 / 0 / 1puls]
1-025-	PTR Cont: Depressure	Envelope:Thick3	ENG	[0 to 200 / 0 / 1puls]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
077				
1-025-078	PTR Cont: Depressure	Envelope:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-081	PTR Cont: Depressure	Magnet	ENG	[0 to 200 / 0 / 1puls]
1-025-093	PTR Cont: Depressure	Metallic:Thick3	ENG	[0 to 200 / 0 / 1puls]
1-025-094	PTR Cont: Depressure	Metallic:Thick4	ENG	[0 to 200 / 0 / 1puls]
1-025-095	PTR Cont: Depressure	Metallic:Thick5	ENG	[0 to 200 / 0 / 1puls]
1-025-096	PTR Cont: Depressure	Metallic:Thick6	ENG	[0 to 200 / 0 / 1puls]
1-025-097	PTR Cont: Depressure	Metallic:Thick7	ENG	[0 to 200 / 0 / 1puls]
1-025-098	PTR Cont: Depressure	Metallic:Thick8	ENG	[0 to 200 / 0 / 1puls]
1-025-099	PTR Cont: Depressure	Metallic:Thick9	ENG	[0 to 200 / 0 / 1puls]
1-026-011	Fine Adj Invert Ent Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-026-012	Fine Adj Invert Ent Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-013	Fine Adj Invert Ent Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-014	Fine Adj Invert Ent Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-015	Fine Adj Invert Ent Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-016	Fine Adj Invert Ent Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-017	Fine Adj Invert Ent Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-018	Fine Adj Invert Ent Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-	Fine Adj Invert Ent Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019				
1-026-020	Fine Adj Invert Ent Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-021	Fine Adj Invert Ent Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-022	Fine Adj Invert Ent Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-023	Fine Adj Invert Ent Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-024	Fine Adj Invert Ent Mtr Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-025	Fine Adj Invert Ent Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-026	Fine Adj Invert Ent Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-026-027	Fine Adj Invert Ent Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-028	Fine Adj Invert Ent Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-029	Fine Adj Invert Ent Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-030	Fine Adj Invert Ent Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-031	Fine Adj Invert Ent Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-032	Fine Adj Invert Ent Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-033	Fine Adj Invert Ent Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-034	Fine Adj Invert Ent Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-026-035	Fine Adj Invert Ent Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-001	Fine Adj Exit Invert CW Spd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-027-	Fine Adj Exit Invert CW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-027-003	Fine Adj Exit Invert CW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-004	Fine Adj Exit Invert CW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-005	Fine Adj Exit Invert CW Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-006	Fine Adj Exit Invert CW Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-007	Fine Adj Exit Invert CW Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-008	Fine Adj Exit Invert CW Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-009	Fine Adj Exit Invert CW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-010	Fine Adj Exit Invert CW Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-011	Fine Adj Exit Invert CW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-012	Fine Adj Exit Invert CW Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-013	Fine Adj Exit Invert CW Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-014	Fine Adj Exit Invert CW Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-015	Fine Adj Exit Invert CW Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-016	Fine Adj Exit Invert CW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-027-017	Fine Adj Exit Invert CW Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-018	Fine Adj Exit Invert CW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-019	Fine Adj Exit Invert CW Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-	Fine Adj Exit Invert CW Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
1-027-021	Fine Adj Exit Invert CW Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-022	Fine Adj Exit Invert CW Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-023	Fine Adj Exit Invert CW Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-024	Fine Adj Exit Invert CW Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-027-025	Fine Adj Exit Invert CW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-001	Fine Adj Exit Invert CW IncSpd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-028-002	Fine Adj Exit Invert CW IncSpd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-003	Fine Adj Exit Invert CW IncSpd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-004	Fine Adj Exit Invert CW IncSpd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-005	Fine Adj Exit Invert CW IncSpd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-006	Fine Adj Exit Invert CW IncSpd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-007	Fine Adj Exit Invert CW IncSpd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-008	Fine Adj Exit Invert CW IncSpd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-009	Fine Adj Exit Invert CW IncSpd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-010	Fine Adj Exit Invert CW IncSpd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-011	Fine Adj Exit Invert CW IncSpd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-012	Fine Adj Exit Invert CW IncSpd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-	Fine Adj Exit Invert CW	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013	IncSpd			
1-028-014	Fine Adj Exit Invert CW IncSpd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-015	Fine Adj Exit Invert CW IncSpd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-016	Fine Adj Exit Invert CW IncSpd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-028-017	Fine Adj Exit Invert CW IncSpd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-018	Fine Adj Exit Invert CW IncSpd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-019	Fine Adj Exit Invert CW IncSpd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-020	Fine Adj Exit Invert CW IncSpd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-021	Fine Adj Exit Invert CW IncSpd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-022	Fine Adj Exit Invert CW IncSpd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-023	Fine Adj Exit Invert CW IncSpd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-024	Fine Adj Exit Invert CW IncSpd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-028-025	Fine Adj Exit Invert CW IncSpd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-001	Fine Adj Exit Invert CCW Spd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-029-002	Fine Adj Exit Invert CCW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-003	Fine Adj Exit Invert CCW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-004	Fine Adj Exit Invert CCW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-005	Fine Adj Exit Invert CCW Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-	Fine Adj Exit Invert CCW	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006	Spd			
1-029-007	Fine Adj Exit Invert CCW Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-008	Fine Adj Exit Invert CCW Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-009	Fine Adj Exit Invert CCW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-010	Fine Adj Exit Invert CCW Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-011	Fine Adj Exit Invert CCW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-012	Fine Adj Exit Invert CCW Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-013	Fine Adj Exit Invert CCW Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-014	Fine Adj Exit Invert CCW Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-015	Fine Adj Exit Invert CCW Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-016	Fine Adj Exit Invert CCW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-029-017	Fine Adj Exit Invert CCW Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-018	Fine Adj Exit Invert CCW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-019	Fine Adj Exit Invert CCW Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-020	Fine Adj Exit Invert CCW Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-021	Fine Adj Exit Invert CCW Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-022	Fine Adj Exit Invert CCW Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-023	Fine Adj Exit Invert CCW Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-029-	Fine Adj Exit Invert CCW	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024	Spd			
1-029-025	Fine Adj Exit Invert CCW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-001	Fine Adj Duplx Invert CW Spd	Plain:Thin	ENG*	[-3 to 3 / -0.6 / 0.1%]
1-030-002	Fine Adj Duplx Invert CW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-003	Fine Adj Duplx Invert CW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-004	Fine Adj Duplx Invert CW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-005	Fine Adj Duplx Invert CW Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-006	Fine Adj Duplx Invert CW Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-007	Fine Adj Duplx Invert CW Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-008	Fine Adj Duplx Invert CW Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-009	Fine Adj Duplx Invert CW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-010	Fine Adj Duplx Invert CW Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-011	Fine Adj Duplx Invert CW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-012	Fine Adj Duplx Invert CW Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-013	Fine Adj Duplx Invert CW Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-014	Fine Adj Duplx Invert CW Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-015	Fine Adj Duplx Invert CW Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-016	Fine Adj Duplx Invert CW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-	Fine Adj Duplx Invert CW	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	Spd			
1-030-018	Fine Adj Duplx Invert CW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-019	Fine Adj Duplx Invert CW Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-020	Fine Adj Duplx Invert CW Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-021	Fine Adj Duplx Invert CW Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-022	Fine Adj Duplx Invert CW Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-023	Fine Adj Duplx Invert CW Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-024	Fine Adj Duplx Invert CW Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-030-025	Fine Adj Duplx Invert CW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-001	Fine Adj Duplx Invert CCW Spd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-031-002	Fine Adj Duplx Invert CCW Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-003	Fine Adj Duplx Invert CCW Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-004	Fine Adj Duplx Invert CCW Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-005	Fine Adj Duplx Invert CCW Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-006	Fine Adj Duplx Invert CCW Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-007	Fine Adj Duplx Invert CCW Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-008	Fine Adj Duplx Invert CCW Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-009	Fine Adj Duplx Invert CCW Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-	Fine Adj Duplx Invert CCW	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010	Spd			
1-031-011	Fine Adj Duplx Invert CCW Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-012	Fine Adj Duplx Invert CCW Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-013	Fine Adj Duplx Invert CCW Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-014	Fine Adj Duplx Invert CCW Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-015	Fine Adj Duplx Invert CCW Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-016	Fine Adj Duplx Invert CCW Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-031-017	Fine Adj Duplx Invert CCW Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-018	Fine Adj Duplx Invert CCW Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-019	Fine Adj Duplx Invert CCW Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-020	Fine Adj Duplx Invert CCW Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-021	Fine Adj Duplx Invert CCW Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-022	Fine Adj Duplx Invert CCW Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-023	Fine Adj Duplx Invert CCW Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-024	Fine Adj Duplx Invert CCW Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-031-025	Fine Adj Duplx Invert CCW Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-001	Fine Adj Dup Invert CCW IncSpd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-032-002	Fine Adj Dup Invert CCW IncSpd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-	Fine Adj Dup Invert CCW	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	IncSpd			
1-032-004	Fine Adj Dup Invert CCW IncSpd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-005	Fine Adj Dup Invert CCW IncSpd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-006	Fine Adj Dup Invert CCW IncSpd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-007	Fine Adj Dup Invert CCW IncSpd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-008	Fine Adj Dup Invert CCW IncSpd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-009	Fine Adj Dup Invert CCW IncSpd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-010	Fine Adj Dup Invert CCW IncSpd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-011	Fine Adj Dup Invert CCW IncSpd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-012	Fine Adj Dup Invert CCW IncSpd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-013	Fine Adj Dup Invert CCW IncSpd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-014	Fine Adj Dup Invert CCW IncSpd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-015	Fine Adj Dup Invert CCW IncSpd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-016	Fine Adj Dup Invert CCW IncSpd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-032-017	Fine Adj Dup Invert CCW IncSpd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-018	Fine Adj Dup Invert CCW IncSpd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-019	Fine Adj Dup Invert CCW IncSpd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-020	Fine Adj Dup Invert CCW IncSpd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-	Fine Adj Dup Invert CCW	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021	IncSpd			
1-032-022	Fine Adj Dup Invert CCW IncSpd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-023	Fine Adj Dup Invert CCW IncSpd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-024	Fine Adj Dup Invert CCW IncSpd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-032-025	Fine Adj Dup Invert CCW IncSpd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-001	Fine Adj Dup Transport Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-033-002	Fine Adj Dup Transport Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-003	Fine Adj Dup Transport Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-004	Fine Adj Dup Transport Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-005	Fine Adj Dup Transport Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-006	Fine Adj Dup Transport Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-007	Fine Adj Dup Transport Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-008	Fine Adj Dup Transport Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-009	Fine Adj Dup Transport Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-010	Fine Adj Dup Transport Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-011	Fine Adj Dup Transport Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-012	Fine Adj Dup Transport Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-013	Fine Adj Dup Transport Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-	Fine Adj Dup Transport Mtr	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014	Spd			
1-033-015	Fine Adj Dup Transport Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-016	Fine Adj Dup Transport Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-017	Fine Adj Dup Transport Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-018	Fine Adj Dup Transport Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-019	Fine Adj Dup Transport Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-020	Fine Adj Dup Transport Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-021	Fine Adj Dup Transport Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-022	Fine Adj Dup Transport Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-023	Fine Adj Dup Transport Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-024	Fine Adj Dup Transport Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-033-025	Fine Adj Dup Transport Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-034-001	Fine Adj Duplx Exit Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 1.4 / 0.1%]
1-034-002	Fine Adj Duplx Exit Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-034-003	Fine Adj Duplx Exit Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0.1 / 0.1%]
1-034-004	Fine Adj Duplx Exit Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-034-005	Fine Adj Duplx Exit Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-034-006	Fine Adj Duplx Exit Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / -0.2 / 0.1%]
1-034-	Fine Adj Duplx Exit Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / -0.3 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
1-034-008	Fine Adj Duplx Exit Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / -0.3 / 0.1%]
1-034-009	Fine Adj Duplx Exit Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-034-010	Fine Adj Duplx Exit Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-034-011	Fine Adj Duplx Exit Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-034-012	Fine Adj Duplx Exit Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-013	Fine Adj Duplx Exit Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-014	Fine Adj Duplx Exit Mtr Spd	Matte:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-015	Fine Adj Duplx Exit Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-016	Fine Adj Duplx Exit Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-034-017	Fine Adj Duplx Exit Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-034-018	Fine Adj Duplx Exit Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0.2 / 0.1%]
1-034-019	Fine Adj Duplx Exit Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-020	Fine Adj Duplx Exit Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-021	Fine Adj Duplx Exit Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-022	Fine Adj Duplx Exit Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-023	Fine Adj Duplx Exit Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / -0.4 / 0.1%]
1-034-024	Fine Adj Duplx Exit Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-034-	Fine Adj Duplx Exit Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
025				
1-035-001	Fine Adj Exit Mtr Spd	Plain:Thin	ENG*	[-3 to 3 / 0.7 / 0.1%]
1-035-002	Fine Adj Exit Mtr Spd	Plain:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-003	Fine Adj Exit Mtr Spd	Plain:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-004	Fine Adj Exit Mtr Spd	Plain:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-005	Fine Adj Exit Mtr Spd	Plain:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-006	Fine Adj Exit Mtr Spd	Plain:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-007	Fine Adj Exit Mtr Spd	Plain:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-008	Fine Adj Exit Mtr Spd	Plain:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-009	Fine Adj Exit Mtr Spd	Matte:Plain1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-010	Fine Adj Exit Mtr Spd	Matte:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-011	Fine Adj Exit Mtr Spd	Matte:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-012	Fine Adj Exit Mtr Spd	Matte:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-013	Fine Adj Exit Mtr Spd	Matte:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-014	Fine Adj Exit Mtr Spd	Matte:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-015	Fine Adj Exit Mtr Spd	Matte:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-016	Fine Adj Exit Mtr Spd	Glossy:Plain1	ENG*	[-3 to 3 / 0.9 / 0.1%]
1-035-017	Fine Adj Exit Mtr Spd	Glossy:Plain2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-	Fine Adj Exit Mtr Spd	Glossy:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
1-035-019	Fine Adj Exit Mtr Spd	Glossy:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-020	Fine Adj Exit Mtr Spd	Glossy:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-021	Fine Adj Exit Mtr Spd	Glossy:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-022	Fine Adj Exit Mtr Spd	Glossy:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-023	Fine Adj Exit Mtr Spd	Envelope:Mid-Thick	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-024	Fine Adj Exit Mtr Spd	Envelope:Thick1	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-025	Fine Adj Exit Mtr Spd	Envelope:Thick2	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-026	Fine Adj Exit Mtr Spd	Envelope:Thick3	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-027	Fine Adj Exit Mtr Spd	Envelope:Thick4	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-028	Fine Adj Exit Mtr Spd	OHP	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-029	Fine Adj Exit Mtr Spd	Plain:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-030	Fine Adj Exit Mtr Spd	Matte:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-035-031	Fine Adj Exit Mtr Spd	Glossy:Thick5	ENG*	[-3 to 3 / 0 / 0.1%]
1-036-001	Initial Operation Setting	Paper Dust Remove	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-040-001	Drawer Lock Motor	Unlocking Operation	ENG	[0 to 1 / 0 / 1]
1-040-002	Drawer Lock Motor	Unlocking Operation	ENG*	[0 to 1 / 0 / 1]
1-050-001	Motor Adj:First Speed	Drum Motor:K:First Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-050-002	Motor Adj:First Speed	Drum Motor:C:First Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-050-003	Motor Adj:First Speed	Drum Motor:M:First Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-050-004	Motor Adj:First Speed	Drum Motor:Y:First Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-050-005	Motor Adj:First Speed	Dev Motor:K:First Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-050-006	Motor Adj:First Speed	Dev Motor:C:First Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-050-007	Motor Adj:First Speed	Dev Motor:M:First Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-050-008	Motor Adj:First Speed	Dev Motor:Y:First Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-050-013	Motor Adj:First Speed	ITB Motor:First Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-050-014	Motor Adj:First Speed	PTR Motor:First Speed	ENG*	[-5 to 5 / 0 / 0.01%]
1-050-015	Motor Adj:First Speed	Fusing Motor:First Speed	ENG*	[-5 to 5 / 0 / 0.1%]
1-051-001	Motor Adj::Second Speed	Drum Motor:K:Second Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-051-002	Motor Adj::Second Speed	Drum Motor:C:Second Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-051-003	Motor Adj::Second Speed	Drum Motor:M:Second Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-051-004	Motor Adj::Second Speed	Drum Motor:Y:Second Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-051-005	Motor Adj::Second Speed	Dev Motor:K:Second Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-051-006	Motor Adj::Second Speed	Dev Motor:C:Second Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-051-007	Motor Adj::Second Speed	Dev Motor:M:Second Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-051-008	Motor Adj::Second Speed	Dev Motor:Y:Second Speed	ENG*	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-051-013	Motor Adj::Second Speed	ITB Motor:Second Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-051-014	Motor Adj::Second Speed	PTR Motor:Second Speed	ENG*	[-5 to 5 / 0 / 0.01%]
1-051-015	Motor Adj::Second Speed	Fusing Motor:Second Speed	ENG*	[-5 to 5 / 0 / 0.1%]
1-052-001	Motor Adj:Third Speed	Drum Motor:K:Third Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-052-002	Motor Adj:Third Speed	Drum Motor:C:Third Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-052-003	Motor Adj:Third Speed	Drum Motor:M:Third Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-052-004	Motor Adj:Third Speed	Drum Motor:Y:Third Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-052-005	Motor Adj:Third Speed	Dev Motor:K:Third Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-052-006	Motor Adj:Third Speed	Dev Motor:C:Third Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-052-007	Motor Adj:Third Speed	Dev Motor:M:Third Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-052-008	Motor Adj:Third Speed	Dev Motor:Y:Third Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-052-013	Motor Adj:Third Speed	ITB Motor:Third Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-052-014	Motor Adj:Third Speed	PTR Motor:Third Speed	ENG*	[-5 to 5 / 0 / 0.01%]
1-052-015	Motor Adj:Third Speed	Fusing Motor:Third Speed	ENG*	[-5 to 5 / 0 / 0.1%]
1-053-001	Motor Adj:Fourth Speed	Drum Motor:K:Fourth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-053-002	Motor Adj:Fourth Speed	Drum Motor:C:Fourth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-053-003	Motor Adj:Fourth Speed	Drum Motor:M:Fourth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-053-004	Motor Adj:Fourth Speed	Drum Motor:Y:Fourth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-053-005	Motor Adj:Fourth Speed	Dev Motor:K:Fourth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-053-006	Motor Adj:Fourth Speed	Dev Motor:C:Fourth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-053-007	Motor Adj:Fourth Speed	Dev Motor:M:Fourth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-053-008	Motor Adj:Fourth Speed	Dev Motor:Y:Fourth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-053-013	Motor Adj:Fourth Speed	ITB Motor:Fourth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-053-014	Motor Adj:Fourth Speed	PTR Motor:Fourth Speed	ENG*	[-5 to 5 / 0 / 0.01%]
1-053-015	Motor Adj:Fourth Speed	Fusing Motor:Fourth Speed	ENG*	[-5 to 5 / 0 / 0.1%]
1-054-001	Motor Adj:Fifth Speed	Drum Motor:K:Fifth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-054-002	Motor Adj:Fifth Speed	Drum Motor:C:Fifth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-054-003	Motor Adj:Fifth Speed	Drum Motor:M:Fifth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-054-004	Motor Adj:Fifth Speed	Drum Motor:Y:Fifth Speed	ENG*	[-3 to 3 / -0.1 / 0.1%]
1-054-005	Motor Adj:Fifth Speed	Dev Motor:K:Fifth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-054-006	Motor Adj:Fifth Speed	Dev Motor:C:Fifth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-054-007	Motor Adj:Fifth Speed	Dev Motor:M:Fifth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-054-008	Motor Adj:Fifth Speed	Dev Motor:Y:Fifth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-054-013	Motor Adj:Fifth Speed	ITB Motor:Fifth Speed	ENG*	[-3 to 3 / 0 / 0.1%]
1-054-014	Motor Adj:Fifth Speed	PTR Motor:Fifth Speed	ENG*	[-5 to 5 / 0 / 0.01%]
1-054-015	Motor Adj:Fifth Speed	Fusing Motor:Fifth Speed	ENG*	[-5 to 5 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-061-001	Pickup SOL Separate Setting	Paper Tray1: Plane	ENG*	[0 to 1 / 1 / 1] 0: 1:

SP Group 1000-02

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1- 101- 002	Reload Permit Setting	Reload Target Temp.:Center	ENG*	[0 to * / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 148 *Pro C5210S: 153
1- 101- 003	Reload Permit Setting	Reload Target Temp.:Press	ENG*	[0 to *1 / *2 / 1deg] *1 MP C6503: 140 *1 MP C8003: 150 *1 Pro C5200S: 110 *1 Pro C5210S: 110 *2 MP C6503: 130 *2 MP C8003: 140 *2 Pro C5200S: 100 *2 Pro C5210S: 100
1- 101- 004	Reload Permit Setting	Temp.:Delta:Cold:Center	ENG*	[5 to 200 / 5 / 1deg]
1- 101- 005	Reload Permit Setting	Temp.:Delta:Cold:End	ENG*	[0 to 200 / 100 / 1deg]
1- 101- 006	Reload Permit Setting	Temp.:Delta:Cold:Press	ENG*	[50 to 200 / 50 / 1deg]
1- 101- 007	Reload Permit Setting	Temp.:Delta:Cold:Press:End	ENG*	[0 to 200 / 100 / 1deg]
1- 101- 008	Reload Permit Setting	Rotation Time:Cold	ENG*	[0 to 10000 / * / 0.1sec] *MP C6503 (NA): 40 *MP C6503 (EU/AP/CHN/TWN/KOR): 35 *MP C8003: 36.5 *Pro C5200S: 106 *Pro C5210S: 106
1-	Reload Permit	Temp.:Delta:hot:Center	ENG*	[5 to 200 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101-009	Setting			
1-101-010	Reload Permit Setting	Temp.:Delta:hot:End	ENG*	[0 to 200 / 100 / 1deg]
1-101-011	Reload Permit Setting	Temp.:Delta:hot:Press	ENG*	[50 to 200 / 50 / 1deg]
1-101-012	Reload Permit Setting	Temp.:Delta:hot:Press:End	ENG*	[0 to 200 / 100 / 1deg]
1-101-013	Reload Permit Setting	Rotation Time:hot	ENG*	[0 to 10000 / * / 0.1sec] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 15 *Pro C5210S: 15
1-101-020	Reload Permit Setting	Roll Core Temp	ENG*	[0 to 200 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 30 *Pro C5210S: 30
1-101-021	Reload Permit Setting	Roll Core Temp Judgment	ENG*	[0 to 1 / 1 / 1] 0: Roll Core Detection: OFF 1: Roll Core Detection: ON
1-101-051	Reload Permit Setting	Temp.:Delta:Cold:Center:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-101-052	Reload Permit Setting	Temp.:Delta:Cold:End:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-101-053	Reload Permit Setting	Temp.:Delta:Cold:Press:BW1/2	ENG*	[0 to 200 / 50 / 1deg]
1-101-054	Reload Permit Setting	Temp.:Delta:Cold:Press:End:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-	Reload Permit	Rotation Time:Cold:BW1/2	ENG*	[0 to 10000 / * / 0.1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101-055	Setting			*MP C6503 (NA): 47 *MP C6503 (EU/AP/CHN/TWN/KOR): 43 *MP C8003: 43 *Pro C5200S: 106 *Pro C5210S: 106
1-101-056	Reload Permit Setting	Temp.:Delta:hot:Center:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-101-057	Reload Permit Setting	Temp.:Delta:hot:End:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-101-058	Reload Permit Setting	Temp.:Delta:hot:Press:BW1/2	ENG*	[0 to 200 / 50 / 1deg]
1-101-059	Reload Permit Setting	Temp.:Delta:hot:Press:End:BW1/2	ENG*	[0 to 200 / 100 / 1deg]
1-101-060	Reload Permit Setting	Rotation Time:hot:BW1/2	ENG*	[0 to 10000 / * / 0.1sec] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 15 *Pro C5210S: 15
1-101-071	Reload Permit Setting	Temp.:Delta:Cold:Center:Energy Saving	ENG*	[0 to 200 / 5 / 1deg]
1-101-072	Reload Permit Setting	Temp.:Delta:Cold:End:Energy Saving	ENG*	[0 to 200 / 100 / 1deg]
1-101-073	Reload Permit Setting	Temp.:Delta:Cold:Press:Energy Saving	ENG*	[0 to 200 / 50 / 1deg]
1-101-074	Reload Permit Setting	Temp.:Delta:Cold:Press:End:Energy Saving	ENG*	[0 to 200 / 100 / 1deg]
1-	Reload Permit	Rotation Time:Cold:Energy Saving	ENG*	[0 to 10000 / * / 0.1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101-075	Setting			*MP C6503: 15 *MP C8003: 15 *Pro C5200S: 106 *Pro C5210S: 106
1-101-076	Reload Permit Setting	Temp.:Delta:hot:Center:Energy Saving	ENG*	[0 to 200 / 5 / 1deg]
1-101-077	Reload Permit Setting	Temp.:Delta:hot:End:Energy Saving	ENG*	[0 to 200 / 100 / 1deg]
1-101-078	Reload Permit Setting	Temp.:Delta:hot:Press:Energy Saving	ENG*	[0 to 200 / 50 / 1deg]
1-101-079	Reload Permit Setting	Temp.:Delta:hot:Press:End:Energy Saving	ENG*	[0 to 200 / 100 / 1deg]
1-101-080	Reload Permit Setting	Rotation Time:hot:Energy Saving	ENG*	[0 to 10000 / * / 0.1sec] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 15 *Pro C5210S: 15
1-101-090	Reload Permit Setting	Reload Extension: Low Temp	ENG*	[0 to 200 / 60 / 1sec]
1-101-101	Reload Permit Setting	Reload Target Temp.:Center:Energy Saving	ENG*	[0 to 200 / * / 1deg] *MP C6503: 120 *MP C8003: 120 *Pro C5200S: 133 *Pro C5210S: 138
1-101-102	Reload Permit Setting	Reload Target Temp.:Press:Energy Saving	ENG*	[0 to 200 / 100 / 1deg]
1-102-001	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:1	ENG	[0 to 240 / 0 / 1deg]
1-102-002	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:2	ENG	[0 to 240 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-102-003	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:3	ENG	[0 to 240 / 0 / 1deg]
1-102-004	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:4	ENG	[0 to 240 / 0 / 1deg]
1-102-005	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:5	ENG	[0 to 240 / 0 / 1deg]
1-102-006	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:6	ENG	[0 to 240 / 0 / 1deg]
1-102-007	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:7	ENG	[0 to 240 / 0 / 1deg]
1-102-008	Feed Permit Setting	Env.Temp.Delta::Roll Core:Mid.:8	ENG	[0 to 240 / 0 / 1deg]
1-102-011	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:1	ENG	[0 to 240 / 0 / 1deg]
1-102-012	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:2	ENG	[0 to 240 / 0 / 1deg]
1-102-013	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:3	ENG	[0 to 240 / 0 / 1deg]
1-102-014	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:4	ENG	[0 to 240 / 0 / 1deg]
1-102-015	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:5	ENG	[0 to 240 / 0 / 1deg]
1-102-	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:6	ENG	[0 to 240 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
1-102-017	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:7	ENG	[0 to 240 / 0 / 1deg]
1-102-018	Feed Permit Setting	Env.Temp.Delta::Roll Core:Low.:8	ENG	[0 to 240 / 0 / 1deg]
1-102-019	Feed Permit Setting	Feed Permit time	ENG	[0 to 1000 / 60 / 1sec]
1-102-101	Feed Permit Setting	Temp.:Lower Delta:Heat:1	ENG	[0 to 60 / * / 1deg] *MP C6503: 12 *MP C8003: 5 *Pro C5200S: 13 *Pro C5210S: 17
1-102-102	Feed Permit Setting	Temp.:Upper Delta:Heat:1	ENG	[0 to 60 / * / 1deg] *MP C6503: 8 *MP C8003: 10 *Pro C5200S: 9 *Pro C5210S: 7
1-102-103	Feed Permit Setting	Temp.:Lower Delta:Press:1	ENG	[0 to 60 / 60 / 1deg]
1-102-104	Feed Permit Setting	Temp.:Upper Delta:Press:1	ENG	[0 to 60 / 60 / 1deg]
1-102-105	Feed Permit Setting	Rotation Time:1	ENG	[0 to 60 / 0 / 1sec]
1-102-106	Feed Permit Setting	Temp.:Lower Delta:Heat:2	ENG	[0 to 60 / * / 1deg] *MP C6503: 12 *MP C8003: 5 *Pro C5200S: 13 *Pro C5210S: 17
1-102-107	Feed Permit Setting	Temp.:Upper Delta:Heat:2	ENG	[0 to 60 / 5 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-108	Feed Permit Setting	Temp.:Lower Delta:Press:2	ENG	[0 to 60 / 60 / 1deg]
1-102-109	Feed Permit Setting	Temp.:Upper Delta:Press:2	ENG	[0 to 60 / 60 / 1deg]
1-102-110	Feed Permit Setting	Rotation Time:2	ENG	[0 to 60 / 0 / 1sec]
1-102-111	Feed Permit Setting	Temp.:Lower Delta:Heat:3	ENG	[0 to 60 / * / 1deg] *MP C6503: 9 *MP C8003: 12 *Pro C5200S: 14 *Pro C5210S: 16
1-102-112	Feed Permit Setting	Temp.:Upper Delta:Heat:3	ENG	[0 to 60 / 5 / 1deg]
1-102-113	Feed Permit Setting	Temp.:Lower Delta:Press:3	ENG	[0 to 60 / 60 / 1deg]
1-102-114	Feed Permit Setting	Temp.:Upper Delta:Press:3	ENG	[0 to 60 / 60 / 1deg]
1-102-115	Feed Permit Setting	Rotation Time:3	ENG	[0 to 60 / 0 / 1sec]
1-102-116	Feed Permit Setting	Temp.:Lower Delta:Heat:4	ENG	[0 to 60 / * / 1deg] *MP C6503: 7 *MP C8003: 11 *Pro C5200S: 11 *Pro C5210S: 7
1-102-117	Feed Permit Setting	Temp.:Upper Delta:Heat:4	ENG	[0 to 60 / 5 / 1deg]
1-102-118	Feed Permit Setting	Temp.:Lower Delta:Press:4	ENG	[0 to 60 / 60 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-119	Feed Permit Setting	Temp.:Upper Delta:Press:4	ENG	[0 to 60 / 60 / 1deg]
1-102-120	Feed Permit Setting	Rotation Time:4	ENG	[0 to 60 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 15 *Pro C5210S: 15
1-102-121	Feed Permit Setting	Temp.:Lower Delta:Heat:5	ENG	[0 to 60 / * / 1deg] *MP C6503: 10 *MP C8003: 7 *Pro C5200S: 11 *Pro C5210S: 17
1-102-122	Feed Permit Setting	Temp.:Upper Delta:Heat:5	ENG	[0 to 60 / 5 / 1deg]
1-102-123	Feed Permit Setting	Temp.:Lower Delta:Press:5	ENG	[0 to 60 / 60 / 1deg]
1-102-124	Feed Permit Setting	Temp.:Upper Delta:Press:5	ENG	[0 to 60 / 60 / 1deg]
1-102-125	Feed Permit Setting	Rotation Time:5	ENG	[0 to 60 / 0 / 1sec]
1-102-126	Feed Permit Setting	Temp.:Lower Delta:Heat:6	ENG	[0 to 60 / * / 1deg] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 16 *Pro C5210S: 10
1-102-127	Feed Permit Setting	Temp.:Upper Delta:Heat:6	ENG	[0 to 60 / 5 / 1deg]
1-102-128	Feed Permit Setting	Temp.:Lower Delta:Press:6	ENG	[0 to 60 / 60 / 1deg]
1-	Feed Permit Setting	Temp.:Upper Delta:Press:6	ENG	[0 to 60 / 60 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102-129				
1-102-130	Feed Permit Setting	Rotation Time:6	ENG	[0 to 60 / 0 / 1sec]
1-102-131	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 12 *MP C8003: 5 *Pro C5200S: 13 *Pro C5210S: 17
1-102-132	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 12 *MP C8003: 5 *Pro C5200S: 13 *Pro C5210S: 17
1-102-133	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 9 *MP C8003: 12 *Pro C5200S: 14 *Pro C5210S: 16
1-102-134	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 7 *MP C8003: 11 *Pro C5200S: 11 *Pro C5210S: 17
1-102-135	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 10 *MP C8003: 7 *Pro C5200S: 11 *Pro C5210S: 17
1-102-136	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div2	ENG	[0 to 60 / * / 1deg] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 16 *Pro C5210S: 10
1-102-	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
137				*MP C8003: 0 *Pro C5200S: 3 *Pro C5210S: 7
1-102-138	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 2 *MP C8003: 0 *Pro C5200S: 3 *Pro C5210S: 7
1-102-139	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 0 *MP C8003: 2 *Pro C5200S: 4 *Pro C5210S: 6
1-102-140	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 0 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 7
1-102-141	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 7
1-102-142	Feed Permit Setting	Temp.:Lower Delta:Heat:1:Div3	ENG	[0 to 60 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 6 *Pro C5210S: 0
1-102-143	Feed Permit Setting	Envelope:Ready time:Delta	ENG*	[0 to * / 0 / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 3600 *Pro C5210S: 3600
1-102-144	Feed Permit Setting	Envelope:Time:Delta	ENG*	[0 to *1 / *2 / 1sec] *1 MP C6503: 0 *1 MP C8003: 0 *1 Pro C5200S: 3600

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*1 Pro C5210S: 3600 *2 MP C6503: 0 *2 MP C8003: 0 *2 Pro C5200S: 300 *2 Pro C5210S: 300
1- 102- 145	Feed Permit Setting	Envelope:Pattern:Change	ENG	[0 to * / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Apply OFF 1: Apply ON
1- 102- 150	Feed Permit Setting	Tmp:LowDelta:Nml:Heat:End:Div1	ENG	[0 to 200 / 100 / 1deg]
1- 102- 151	Feed Permit Setting	Tmp:LowDelta:Nml:Heat:End:Div2	ENG	[0 to 200 / 100 / 1deg]
1- 102- 152	Feed Permit Setting	Tmp:LowDelta:Nml:Heat:End:Div3	ENG	[0 to 200 / 100 / 1deg]
1- 102- 153	Feed Permit Setting	Tmp:LowDelta:Nml:Heat:End:Div4	ENG	[0 to 200 / 100 / 1deg]
1- 102- 154	Feed Permit Setting	Tmp:LowDelta:Nml:Heat:End:Div5	ENG	[0 to 200 / 100 / 1deg]
1- 102- 155	Feed Permit Setting	Tmp:UpDelta:Nml:Heat:End:Div1	ENG	[0 to 200 / 100 / 1deg]
1- 102- 156	Feed Permit Setting	Tmp:UpDelta:Nml:Heat:End:Div2	ENG	[0 to 200 / 100 / 1deg]
1- 102- 157	Feed Permit Setting	Tmp:UpDelta:Nml:Heat:End:Div3	ENG	[0 to 200 / 100 / 1deg]
1-	Feed Permit Setting	Tmp:UpDelta:Nml:Heat:End:Div4	ENG	[0 to 200 / 100 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102-158				
1-102-159	Feed Permit Setting	Tmp:UpDelta:Nml:Heat:End:Div5	ENG	[0 to 200 / 100 / 1deg]
1-102-160	Feed Permit Setting	Tmp:LowDelta:Prd:Heat:End:Div1	ENG	[0 to 200 / 100 / 1deg]
1-102-161	Feed Permit Setting	Tmp:LowDelta:Prd:Heat:End:Div2	ENG	[0 to 200 / 100 / 1deg]
1-102-162	Feed Permit Setting	Tmp:LowDelta:Prd:Heat:End:Div3	ENG	[0 to 200 / 100 / 1deg]
1-102-163	Feed Permit Setting	Tmp:LowDelta:Prd:Heat:End:Div4	ENG	[0 to 200 / 100 / 1deg]
1-102-164	Feed Permit Setting	Tmp:LowDelta:Prd:Heat:End:Div5	ENG	[0 to 200 / 100 / 1deg]
1-102-165	Feed Permit Setting	Tmp:UpDelta:Prd:Heat:End:Div1	ENG	[0 to 200 / 100 / 1deg]
1-102-166	Feed Permit Setting	Tmp:UpDelta:Prd:Heat:End:Div2	ENG	[0 to 200 / 100 / 1deg]
1-102-167	Feed Permit Setting	Tmp:UpDelta:Prd:Heat:End:Div3	ENG	[0 to 200 / 100 / 1deg]
1-102-168	Feed Permit Setting	Tmp:UpDelta:Prd:Heat:End:Div4	ENG	[0 to 200 / 100 / 1deg]
1-102-169	Feed Permit Setting	Tmp:UpDelta:Prd:Heat:End:Div5	ENG	[0 to 200 / 100 / 1deg]
1-	Feed Permit Setting	Norm:Uncoated:Thick9	ENG	[1 to 6 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102-170				*MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-171	Feed Permit Setting	Norm:Matte:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-172	Feed Permit Setting	Norm:Glossy:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-173	Feed Permit Setting	Prd:Uncoated:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-174	Feed Permit Setting	Prd:Matte:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-175	Feed Permit Setting	Prd:Glossy:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 6 *Pro C5210S: 5
1-102-180	Feed Permit Setting	Uncoated Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-181	Feed Permit Setting	Matte Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 5 *Pro C5210S: 6
1-102-182	Feed Permit Setting	Glossy Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-183	Feed Permit Setting	Output Priority:Uncoated Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-184	Feed Permit Setting	Output Priority:Matte Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-185	Feed Permit Setting	Output Priority:Glossy Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-186	Feed Permit Setting	Uncoated Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-187	Feed Permit Setting	Matte Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-188	Feed Permit Setting	Glossy Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-189	Feed Permit Setting	Output Priority:Uncoated Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-190	Feed Permit Setting	Output Priority:Matte Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-191	Feed Permit Setting	Output Priority:Glossy Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-194	Feed Permit Setting	Envelope	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-195	Feed Permit Setting	Output Priority:Envelope	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-196	Feed Permit Setting	Glossy	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-197	Feed Permit Setting	Output Priority:Glossy	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-	Feed Permit Setting	Postcard	ENG	[1 to 6 / * / 1] *MP C6503: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
198				*MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-199	Feed Permit Setting	Output Priority:Postcard	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-201	Feed Permit Setting	Norm:Uncoated:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1 *Pro C5210S: 1
1-102-202	Feed Permit Setting	Norm:Uncoated:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-203	Feed Permit Setting	Norm:Uncoated:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-204	Feed Permit Setting	Norm:Uncoated:Mid-Thick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-205	Feed Permit Setting	Norm:Uncoated:Thick1:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-206	Feed Permit Setting	Norm:Uncoated:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 3
1-102-207	Feed Permit Setting	Norm:Uncoated:Thick3:Thick7	ENG	[1 to 6 / 4 / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-208	Feed Permit Setting	Norm:Uncoated:Thick4:Thick8	ENG	[1 to 6 / 4 / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-209	Feed Permit Setting	Norm:Uncoated:OHP	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-210	Feed Permit Setting	Norm:Sp1:Matte:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1 *Pro C5210S: 1
1-102-211	Feed Permit Setting	Norm:Sp1:Matte:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-212	Feed Permit Setting	Norm:Sp1:Matte:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-213	Feed Permit Setting	Norm:Sp1:Matte:MidThick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-	Feed Permit Setting	Norm:Sp1:Matte:Thick1:Thick5	ENG	[1 to 6 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102-214				*MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-215	Feed Permit Setting	Norm:Sp1:Matte:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3 *Pro C5210S: 3
1-102-216	Feed Permit Setting	Norm:Sp1:Matte:Thick3:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-217	Feed Permit Setting	Norm:Sp1:Matte:Thick4:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-219	Feed Permit Setting	Nml:Sp2:Glossy:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1 *Pro C5210S: 1
1-102-220	Feed Permit Setting	Nml:Sp2:Glossy:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-221	Feed Permit Setting	Nml:Sp2:Glossy:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-222	Feed Permit Setting	Nml:Sp2:Glossy:MidThick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 2 *Pro C5210S: 2
1-102-223	Feed Permit Setting	Norm:Sp2:Glossy:Thick1:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-224	Feed Permit Setting	Norm:Sp2:Glossy:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3 *Pro C5210S: 3
1-102-225	Feed Permit Setting	Norm:Sp2:Glossy:Thick3:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-226	Feed Permit Setting	Norm:Sp2:Glossy:Thick4:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-228	Feed Permit Setting	Prd:Uncoated:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1 *Pro C5210S: 1
1-102-229	Feed Permit Setting	Prd:Uncoated:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-230	Feed Permit Setting	Prd:Uncoated:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-231	Feed Permit Setting	Prd:Uncoated:MidThick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-232	Feed Permit Setting	Prd:Uncoated:Thick1:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-233	Feed Permit Setting	Prd:Uncoated:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3 *Pro C5210S: 3
1-102-234	Feed Permit Setting	Prd:Uncoated:Thick3:Thick7	ENG	[1 to 6 / 4 / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-235	Feed Permit Setting	Prd:Uncoated:Thick4:Thick8	ENG	[1 to 6 / 4 / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-236	Feed Permit Setting	Prd:Uncoated:OHP	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-102-237	Feed Permit Setting	Prd:Sp1:Matte:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1 *Pro C5210S: 1
1-102-	Feed Permit Setting	Prd:Sp1:Matte:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
238				*MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-239	Feed Permit Setting	Prd:Sp1:Matte:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-240	Feed Permit Setting	Prd:Sp1:Matte:MidThick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-241	Feed Permit Setting	Prd:Sp1:Matte:Thick1:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-242	Feed Permit Setting	Prd:Sp1:Matte:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3 *Pro C5210S: 3
1-102-243	Feed Permit Setting	Prd:Sp1:Matte:Thick3:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-244	Feed Permit Setting	Prd:Sp1:Matte:Thick4:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-245	Feed Permit Setting	Prd:Sp2:Glossy:Thin:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 1 *MP C8003: 3 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1
1-102-246	Feed Permit Setting	Prd:Sp2:Glossy:Plain1:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-247	Feed Permit Setting	Prd:Sp2:Glossy:Plain2:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-248	Feed Permit Setting	Prd:Sp2:Glossy:MidThick:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 2 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1-102-249	Feed Permit Setting	Prd:Sp2:Glossy:Thick1:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 2 *Pro C5210S: 2
1-102-250	Feed Permit Setting	Prd:Sp2:Glossy:Thick2:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 3 *MP C8003: 4 *Pro C5200S: 3 *Pro C5210S: 3
1-102-251	Feed Permit Setting	Prd:Sp2:Glossy:Thick3:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-102-252	Feed Permit Setting	Prd:Sp2:Glossy:Thick4:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 4 *MP C8003: 5 *Pro C5200S: 5 *Pro C5210S: 5
1-	Feed Permit Setting	Temp.:Lower Delta:Heat:7	ENG*	[0 to 60 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103-126				
1-103-127	Feed Permit Setting	Temp.:Upper Delta:Heat:7	ENG*	[0 to 60 / 5 / 1deg]
1-103-128	Feed Permit Setting	Temp.:Lower Delta:Press:7	ENG*	[0 to 60 / 60 / 1deg]
1-103-129	Feed Permit Setting	Temp.:Upper Delta:Press:7	ENG*	[0 to 60 / 60 / 1deg]
1-103-130	Feed Permit Setting	Rotation Time:7	ENG*	[0 to 500 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 180 *Pro C5210S: 180
1-103-180	Feed Permit Setting	Textured Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-181	Feed Permit Setting	Textured Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-182	Feed Permit Setting	Metallic/Perl Thick 5:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-183	Feed Permit Setting	Metallic/Perl Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-	Feed Permit Setting	Synthetic Thick 5:L	ENG	[1 to 6 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103-184				*MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-185	Feed Permit Setting	Synthetic Thick 6:L	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-201	Feed Permit Setting	Norm:Textured:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-202	Feed Permit Setting	Norm:Textured:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-203	Feed Permit Setting	Norm:Textured:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-204	Feed Permit Setting	Norm:Textured:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-205	Feed Permit Setting	Norm:Textured:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-206	Feed Permit Setting	Norm:Textured:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 5 *Pro C5210S: 6
1-103-207	Feed Permit Setting	Norm:Textured:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-208	Feed Permit Setting	Norm:Textured:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-209	Feed Permit Setting	Norm:Textured:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-210	Feed Permit Setting	Norm:Metallic/Perl:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-211	Feed Permit Setting	Norm:Metallic/Perl:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-212	Feed Permit Setting	Norm:Metallic/Perl:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-213	Feed Permit Setting	Norm:Metallic/Perl:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-214	Feed Permit Setting	Norm:Metallic/Perl:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-215	Feed Permit Setting	Norm:Metallic/Perl:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-216	Feed Permit Setting	Norm:Metallic/Perl:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-217	Feed Permit Setting	Norm:Synthetic:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-218	Feed Permit Setting	Norm:Synthetic:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-219	Feed Permit Setting	Norm:Synthetic:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-220	Feed Permit Setting	Norm:Synthetic:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-	Feed Permit Setting	Norm:Synthetic:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
221				*MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-222	Feed Permit Setting	Norm:Synthetic:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-223	Feed Permit Setting	Norm:Synthetic:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-224	Feed Permit Setting	Norm:Synthetic:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-225	Feed Permit Setting	Norm:Magnetic	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-226	Feed Permit Setting	Norm:Plastic Folder	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-227	Feed Permit Setting	Prd:Textured:Thick1	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-228	Feed Permit Setting	Prd:Textured:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 6
1-103-229	Feed Permit Setting	Prd:Textured:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-230	Feed Permit Setting	Prd:Textured:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-231	Feed Permit Setting	Prd:Textured:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-232	Feed Permit Setting	Prd:Textured:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-233	Feed Permit Setting	Prd:Textured:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-234	Feed Permit Setting	Prd:Textured:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-235	Feed Permit Setting	Prd:Textured:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-	Feed Permit Setting	Prd:Metallic/Perl:Thick3	ENG	[1 to 6 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103-236				*MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-237	Feed Permit Setting	Prd:Metallic/Perl:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-238	Feed Permit Setting	Prd:Metallic/Perl:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-239	Feed Permit Setting	Prd:Metallic/Perl:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-240	Feed Permit Setting	Prd:Metallic/Perl:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-241	Feed Permit Setting	Prd:Metallic/Perl:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-242	Feed Permit Setting	Prd:Metallic/Perl:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-243	Feed Permit Setting	Prd:Synthetic:Thick2	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 5 *Pro C5210S: 6
1-103-244	Feed Permit Setting	Prd:Synthetic:Thick3	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-245	Feed Permit Setting	Prd:Synthetic:Thick4	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-246	Feed Permit Setting	Prd:Synthetic:Thick5	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-247	Feed Permit Setting	Prd:Synthetic:Thick6	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-248	Feed Permit Setting	Prd:Synthetic:Thick7	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-249	Feed Permit Setting	Prd:Synthetic:Thick8	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-250	Feed Permit Setting	Prd:Synthetic:Thick9	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-251	Feed Permit Setting	Prd:Magnetic	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-103-252	Feed Permit Setting	Prd:Plastic Folder	ENG	[1 to 6 / * / 1] *MP C6503: 6 *MP C8003: 6 *Pro C5200S: 5 *Pro C5210S: 6
1-106-001	Fusing Temp. Display	Sensor1:Heat:Center	ENG	[-10 to 270 / 0 / 1deg]
1-106-002	Fusing Temp. Display	Sensor2:Heat:Front	ENG	[-10 to 270 / 0 / 1deg]
1-106-003	Fusing Temp. Display	Sensor3:Fusing:End	ENG	[-10 to 270 / 0 / 1deg]
1-106-004	Fusing Temp. Display	Sensor4:Press:Center	ENG	[-10 to 270 / 0 / 1deg]
1-106-005	Fusing Temp. Display	Sensor5:Press:End	ENG	[-10 to 270 / 0 / 1deg]
1-106-006	Fusing Temp. Display	Sensor6:Fusing:Center	ENG	[-10 to 270 / 0 / 1deg]
1-106-007	Fusing Temp. Display	Sensor7:Fusing:Roll Core	ENG	[-10 to 270 / 0 / 1deg]
1-107-001	Standby Target Temp. Setting	Standby:Fusing:Center	ENG*	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 120 *Pro C5210S: 120
1-	Standby Target	Standby:Press:Center	ENG*	[0 to 130 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107-002	Temp. Setting			*MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-107-005	Standby Target Temp. Setting	Low Power:Fusing:Center	ENG*	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 148 *Pro C5210S: 153
1-107-006	Standby Target Temp. Setting	Low Power:Press:Center	ENG*	[0 to 130 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-107-007	Standby Target Temp. Setting	Print Ready:Fusing:Center	ENG*	[120 to 180 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 120 *Pro C5210S: 120
1-107-008	Standby Target Temp. Setting	Print Ready:Press:Center	ENG*	[50 to 200 / 130 / 1deg] *MP C6503: 130 *MP C8003: 140 *Pro C5200S: 90 *Pro C5210S: 90
1-108-001	After Reload/Job Target Temp.	Heat:Center	ENG*	[120 to 180 / 135 / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-108-002	After Reload/Job Target Temp.	Press:Center	ENG*	[50 to 200 / 130 / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-108-011	After Reload/Job Target Temp.	Heat:Center:Energy Saving	ENG*	[*1 to 180 / *2 / 1deg] *1 MP C6503: 100 *1 MP C8003: 100

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*1 Pro C5200S: 120 *1 Pro C5210S: 120 *2 MP C6503: 120 *2 MP C8003: 120 *2 Pro C5200S: 133 *2 Pro C5210S: 138
1-108-012	After Reload/Job Target Temp.	Press:Center:Energy Saving	ENG*	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-110-001	Curl Correction	CorJ:Textured:Thick1	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-002	Curl Correction	CorJ:Textured:Thick2	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-003	Curl Correction	CorJ:Textured:Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-004	Curl Correction	CorJ:Textured:Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-005	Curl Correction	CorJ:Textured:Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-006	Curl Correction	CorJ:Textured:Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-007	Curl Correction	CorJ:Textured:Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-008	Curl Correction	CorJ:Textured:Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-	Curl Correction	CorJ:Textured:Thick9	ENG	[0 to 1 / 0 / 1] 0: Apply OFF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				1: Apply ON
1-110-010	Curl Correction	CorJ:Magnetic	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-013	Curl Correction	CorJ:Metallic/Perl:Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-014	Curl Correction	CorJ:Metallic/Perl:Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-015	Curl Correction	CorJ:Metallic/Perl:Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-016	Curl Correction	CorJ:Metallic/Perl:Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-017	Curl Correction	CorJ:Metallic/Perl:Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-018	Curl Correction	CorJ:Metallic/Perl:Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-019	Curl Correction	CorJ:Metallic/Perl:Thick9	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-022	Curl Correction	CorJ:Synthetic:Thick2	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-023	Curl Correction	CorJ:Synthetic:Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-024	Curl Correction	CorJ:Synthetic:Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-	Curl Correction	CorJ:Synthetic:Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
025				1: Apply ON
1-110-026	Curl Correction	CorJ:Synthetic:Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-027	Curl Correction	CorJ:Synthetic:Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-028	Curl Correction	CorJ:Synthetic:Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-029	Curl Correction	CorJ:Synthetic:Thick9	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-110-031	Curl Correction	Tmp:D1:Textured:Thick1	ENG	[0 to 100 / 0 / 1deg]
1-110-032	Curl Correction	Tmp:D1:Textured:Thick2	ENG	[0 to 100 / 0 / 1deg]
1-110-033	Curl Correction	Tmp:D1:Textured:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-034	Curl Correction	Tmp:D1:Textured:Thick4	ENG	[0 to 100 / 0 / 1deg]
1-110-035	Curl Correction	Tmp:D1:Textured:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-036	Curl Correction	Tmp:D1:Textured:Thick6	ENG	[0 to 100 / 0 / 1deg]
1-110-037	Curl Correction	Tmp:D1:Textured:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-	Curl Correction	Tmp:D1:Textured:Thick8	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
1-110-039	Curl Correction	Tmp:D1:Textured:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-040	Curl Correction	Tmp:D1:Magnetic	ENG	[0 to 100 / 0 / 1deg]
1-110-043	Curl Correction	Tmp:D1:Metallic/Perl:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-044	Curl Correction	Tmp:D1:Metallic/Perl:Thick4	ENG	[0 to 100 / 0 / 1deg]
1-110-045	Curl Correction	Tmp:D1:Metallic/Perl:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-046	Curl Correction	Tmp:D1:Metallic/Perl:Thick6	ENG	[0 to 100 / 0 / 1deg]
1-110-047	Curl Correction	Tmp:D1:Metallic/Perl:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-048	Curl Correction	Tmp:D1:Metallic/Perl:Thick8	ENG	[0 to 100 / 0 / 1deg]
1-110-049	Curl Correction	Tmp:D1:Metallic/Perl:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-052	Curl Correction	Tmp:D1:Synthetic:Thick2	ENG	[0 to 100 / 0 / 1deg]
1-110-053	Curl Correction	Tmp:D1:Synthetic:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-	Curl Correction	Tmp:D1:Synthetic:Thick4	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
054				
1-110-055	Curl Correction	Tmp:D1:Synthetic:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-056	Curl Correction	Tmp:D1:Synthetic:Thick6	ENG	[0 to 100 / 0 / 1deg]
1-110-057	Curl Correction	Tmp:D1:Synthetic:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-058	Curl Correction	Tmp:D1:Synthetic:Thick8	ENG	[0 to 100 / 0 / 1deg]
1-110-059	Curl Correction	Tmp:D1:Synthetic:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-061	Curl Correction	CPM1:Textured:Thick1	ENG	[25 to 100 / 100 / 1%]
1-110-062	Curl Correction	CPM1:Textured:Thick2	ENG	[25 to 100 / 100 / 1%]
1-110-063	Curl Correction	CPM1:Textured:Thick3	ENG	[25 to 100 / 100 / 1%]
1-110-064	Curl Correction	CPM1:Textured:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-065	Curl Correction	CPM1:Textured:Thick5	ENG	[25 to 100 / 100 / 1%]
1-110-066	Curl Correction	CPM1:Textured:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-	Curl Correction	CPM1:Textured:Thick7	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				
1-110-068	Curl Correction	CPM1:Textured:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-069	Curl Correction	CPM1:Textured:Thick9	ENG	[25 to 100 / 100 / 1%]
1-110-070	Curl Correction	CPM1:Magnetic	ENG	[25 to 100 / 100 / 1%]
1-110-073	Curl Correction	CPM1:Metallic/Perl:Thick3	ENG	[25 to 100 / 100 / 1%]
1-110-074	Curl Correction	CPM1:Metallic/Perl:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-075	Curl Correction	CPM1:Metallic/Perl:Thick5	ENG	[25 to 100 / 100 / 1%]
1-110-076	Curl Correction	CPM1:Metallic/Perl:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-077	Curl Correction	CPM1:Metallic/Perl:Thick7	ENG	[25 to 100 / 100 / 1%]
1-110-078	Curl Correction	CPM1:Metallic/Perl:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-079	Curl Correction	CPM1:Metallic/Perl:Thick9	ENG	[25 to 100 / 100 / 1%]
1-110-082	Curl Correction	CPM1:Synthetic:Thick2	ENG	[25 to 100 / 100 / 1%]
1-110-	Curl Correction	CPM1:Synthetic:Thick3	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
083				
1-110-084	Curl Correction	CPM1:Synthetic:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-085	Curl Correction	CPM1:Synthetic:Thick5	ENG	[25 to 100 / 100 / 1%]
1-110-086	Curl Correction	CPM1:Synthetic:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-087	Curl Correction	CPM1:Synthetic:Thick7	ENG	[25 to 100 / 100 / 1%]
1-110-088	Curl Correction	CPM1:Synthetic:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-089	Curl Correction	CPM1:Synthetic:Thick9	ENG	[25 to 100 / 100 / 1%]
1-110-091	Curl Correction	Tmp:D2:Textured:Thick1	ENG	[0 to 100 / 0 / 1deg]
1-110-092	Curl Correction	Tmp:D2:Textured:Thick2	ENG	[0 to 100 / 0 / 1deg]
1-110-093	Curl Correction	Tmp:D2:Textured:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-094	Curl Correction	Tmp:D2:Textured:Thick4	ENG	[0 to 100 / 0 / 1deg]
1-110-095	Curl Correction	Tmp:D2:Textured:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-	Curl Correction	Tmp:D2:Textured:Thick6	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096				
1-110-097	Curl Correction	Tmp:D2:Textured:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-098	Curl Correction	Tmp:D2:Textured:Thick8	ENG	[0 to 100 / 0 / 1deg]
1-110-099	Curl Correction	Tmp:D2:Textured:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-100	Curl Correction	Tmp:D2:Magnetic	ENG	[0 to 100 / 0 / 1deg]
1-110-103	Curl Correction	Tmp:D2:Metallic/Perl:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-104	Curl Correction	Tmp:D2:Metallic/Perl:Thick4	ENG	[0 to 100 / 0 / 1deg]
1-110-105	Curl Correction	Tmp:D2:Metallic/Perl:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-106	Curl Correction	Tmp:D2:Metallic/Perl:Thick6	ENG	[0 to 100 / 0 / 1deg]
1-110-107	Curl Correction	Tmp:D2:Metallic/Perl:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-108	Curl Correction	Tmp:D2:Metallic/Perl:Thick8	ENG	[0 to 100 / 0 / 1deg]
1-110-109	Curl Correction	Tmp:D2:Metallic/Perl:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-	Curl Correction	Tmp:D2:Synthetic:Thick2	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
112				
1-110-113	Curl Correction	Tmp:D2:Synthetic:Thick3	ENG	[0 to 100 / 0 / 1deg]
1-110-114	Curl Correction	Tmp:D2:Synthetic:Thick4	ENG	[0 to 100 / 0 / 1deg]
1-110-115	Curl Correction	Tmp:D2:Synthetic:Thick5	ENG	[0 to 100 / 0 / 1deg]
1-110-116	Curl Correction	Tmp:D2:Synthetic:Thick6	ENG	[0 to 100 / 0 / 1deg]
1-110-117	Curl Correction	Tmp:D2:Synthetic:Thick7	ENG	[0 to 100 / 0 / 1deg]
1-110-118	Curl Correction	Tmp:D2:Synthetic:Thick8	ENG	[0 to 100 / 0 / 1deg]
1-110-119	Curl Correction	Tmp:D2:Synthetic:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-110-121	Curl Correction	CPM2:Textured:Thick1	ENG	[25 to 100 / 100 / 1%]
1-110-122	Curl Correction	CPM2:Textured:Thick2	ENG	[25 to 100 / 100 / 1%]
1-110-123	Curl Correction	CPM2:Textured:Thick3	ENG	[25 to 100 / 100 / 1%]
1-110-124	Curl Correction	CPM2:Textured:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-	Curl Correction	CPM2:Textured:Thick5	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
125				
1-110-126	Curl Correction	CPM2:Textured:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-127	Curl Correction	CPM2:Textured:Thick7	ENG	[25 to 100 / 100 / 1%]
1-110-128	Curl Correction	CPM2:Textured:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-129	Curl Correction	CPM2:Textured:Thick9	ENG	[25 to 100 / 100 / 1%]
1-110-130	Curl Correction	CPM2:Magnetic	ENG	[25 to 100 / 100 / 1%]
1-110-133	Curl Correction	CPM2:Metallic/Perl:Thick3	ENG	[25 to 100 / 100 / 1%]
1-110-134	Curl Correction	CPM2:Metallic/Perl:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-135	Curl Correction	CPM2:Metallic/Perl:Thick5	ENG	[25 to 100 / 100 / 1%]
1-110-136	Curl Correction	CPM2:Metallic/Perl:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-137	Curl Correction	CPM2:Metallic/Perl:Thick7	ENG	[25 to 100 / 100 / 1%]
1-110-138	Curl Correction	CPM2:Metallic/Perl:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-	Curl Correction	CPM2:Metallic/Perl:Thick9	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
139				
1-110-142	Curl Correction	CPM2:Synthetic:Thick2	ENG	[25 to 100 / 100 / 1%]
1-110-143	Curl Correction	CPM2:Synthetic:Thick3	ENG	[25 to 100 / 100 / 1%]
1-110-144	Curl Correction	CPM2:Synthetic:Thick4	ENG	[25 to 100 / 100 / 1%]
1-110-145	Curl Correction	CPM2:Synthetic:Thick5	ENG	[25 to 100 / 100 / 1%]
1-110-146	Curl Correction	CPM2:Synthetic:Thick6	ENG	[25 to 100 / 100 / 1%]
1-110-147	Curl Correction	CPM2:Synthetic:Thick7	ENG	[25 to 100 / 100 / 1%]
1-110-148	Curl Correction	CPM2:Synthetic:Thick8	ENG	[25 to 100 / 100 / 1%]
1-110-149	Curl Correction	CPM2:Synthetic:Thick9	ENG	[25 to 100 / 100 / 1%]
1-111-001	Environment Correction:Fusing	Temp.:Threshold: Low	ENG*	[0 to 100 / 5 / 1deg]
1-111-002	Environment Correction:Fusing	Temp.:Threshold: High	ENG*	[0 to 100 / 35 / 1deg]
1-111-003	Environment Correction:Fusing	Low Temp. Correction	ENG*	[0 to 100 / 10 / 1deg]
1-111-	Environment Correction:Fusing	High Temp. Correction	ENG*	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
1-111-005	Environment Correction:Fusing	Job Low Temp. Correction	ENG*	[0 to 100 / 10 / 1deg]
1-111-006	Environment Correction:Fusing	Job High Temp. Correction	ENG*	[0 to 100 / 0 / 1deg]
1-111-007	Environment Correction:Fusing	Job Low Temp. Correction:Sp.	ENG*	[0 to 100 / 15 / 1deg]
1-111-008	Environment Correction:Fusing	Job High Temp. Correction:Sp.	ENG*	[0 to 100 / 0 / 1deg]
1-112-001	Image Processing Temp. Correct	Temp.:Plain:Center:Level1/2	ENG*	[-20 to 10 / 0 / 1deg]
1-112-002	Image Processing Temp. Correct	Temp.:Plain:Center:Energy Saving	ENG*	[-20 to 10 / * / 1deg] *MP C6503: -15 *MP C8003: -17 *Pro C5200S: -15 *Pro C5210S: -15
1-113-001	Curl Correction	CorJ:Uncoated:Thin/Thick1	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-002	Curl Correction	CorJ:Uncoated:Plain1/Thick2	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-003	Curl Correction	CorJ:Uncoated:Plain2/Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-004	Curl Correction	CorJ:Uncoated:MidThick/Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-005	Curl Correction	CorJ:Uncoated:Thick1/Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-006	Curl Correction	CorJ:Uncoated:Thick2/Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-007	Curl Correction	CorJ:Uncoated:Thick3/Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-008	Curl Correction	CorJ:Uncoated:Thick4/Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-009	Curl Correction	CorJ:Uncoated:Envelope	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-010	Curl Correction	CorJ:Uncoated:Postcard	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-011	Curl Correction	CorJ:Sp1:Matte:Thin/Thick1	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-012	Curl Correction	CorJ:Sp1:Matte:Plain1/Thick2	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-013	Curl Correction	CorJ:Sp1:Matte:Plain2/Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-014	Curl Correction	CorJ:Sp1:Matte:MidThick/Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-015	Curl Correction	CorJ:Sp1:Matte:Thick1/Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-016	Curl Correction	CorJ:Sp1:Matte:Thick2/Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-017	Curl Correction	CorJ:Sp1:Matte:Thick3/Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-018	Curl Correction	CorJ:Sp1:Matte:Thick4/Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-021	Curl Correction	CorJ:Glossy	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-022	Curl Correction	CorJ:Sp2:Gloss:Plain1:Thick2	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-023	Curl Correction	CorJ:Sp2:Gloss:Plain2:Thick3	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-024	Curl Correction	CorJ:Sp2:Gloss:MidThick:Thick4	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-025	Curl Correction	CorJ:Sp2:Gloss:Thick1:Thick5	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-026	Curl Correction	CorJ:Sp2:Gloss:Thick2:Thick6	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-027	Curl Correction	CorJ:Sp2:Gloss:Thick3:Thick7	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-028	Curl Correction	CorJ:Sp2:Gloss:Thick4:Thick8	ENG	[0 to 1 / 0 / 1] 0: Apply OFF 1: Apply ON
1-113-031	Curl Correction	Tmp:D1:Uncoated:ThinThick1	ENG	[0 to 100 / 0 / 1deg]
1-113-032	Curl Correction	Tmp:D1:Uncoated:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-033	Curl Correction	Tmp:D1:Uncoated:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-034	Curl Correction	Tmp:D1:Uncoated:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-035	Curl Correction	Tmp:D1:Uncoated:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]
1-113-036	Curl Correction	Tmp:D1:Uncoated:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-037	Curl Correction	Tmp:D1:Uncoated:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-038	Curl Correction	Tmp:D1:Uncoated:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-039	Curl Correction	Tmp:D1:Uncoated:Envelope	ENG	[0 to 100 / 0 / 1deg]
1-113-040	Curl Correction	Tmp:D1:Uncoated:Postcard	ENG	[0 to 100 / 0 / 1deg]
1-113-041	Curl Correction	Tmp:D1:Sp1Matte:ThinThick1	ENG	[0 to 100 / 0 / 1deg]
1-113-042	Curl Correction	Tmp:D1:Sp1Matte:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-043	Curl Correction	Tmp:D1:Sp1Matte:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]
1-113-044	Curl Correction	Tmp:D1:Sp1Matte:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-045	Curl Correction	Tmp:D1:Sp1Matte:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-046	Curl Correction	Tmp:D1:Sp1Matte:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-047	Curl Correction	Tmp:D1:Sp1Matte:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-048	Curl Correction	Tmp:D1:Sp1Matte:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-051	Curl Correction	Tmp:D1:Glossy	ENG	[0 to 100 / 0 / 1deg]
1-113-052	Curl Correction	Tmp:D1:Sp2Gloss:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-053	Curl Correction	Tmp:D1:Sp2Gloss:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]
1-113-054	Curl Correction	Tmp:D1:Sp2Gloss:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-055	Curl Correction	Tmp:D1:Sp2Gloss:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]
1-113-056	Curl Correction	Tmp:D1:Sp2Gloss:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-057	Curl Correction	Tmp:D1:Sp2Gloss:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-058	Curl Correction	Tmp:D1:Sp2Gloss:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-061	Curl Correction	CPM1:Uncoated:Thin/Thick1	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-062	Curl Correction	CPM1:Uncoated:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-063	Curl Correction	CPM1:Uncoated:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]
1-113-064	Curl Correction	CPM1:Uncoated:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-065	Curl Correction	CPM1:Uncoated:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-066	Curl Correction	CPM1:Uncoated:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-067	Curl Correction	CPM1:Uncoated:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]
1-113-068	Curl Correction	CPM1:Uncoated:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-069	Curl Correction	CPM1:Uncoated:Envelope	ENG	[25 to 100 / 100 / 1%]
1-113-070	Curl Correction	CPM1:Uncoated:Postcard	ENG	[25 to 100 / 100 / 1%]
1-113-071	Curl Correction	CPM1:Sp1/Matte:Thin/Thick1	ENG	[25 to 100 / 100 / 1%]
1-113-072	Curl Correction	CPM1:Sp1/Matte:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-073	Curl Correction	CPM1:Sp1/Matte:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-074	Curl Correction	CPM1:Sp1/Matte:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-075	Curl Correction	CPM1:Sp1/Matte:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-076	Curl Correction	CPM1:Sp1/Matte:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-077	Curl Correction	CPM1:Sp1/Matte:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]
1-113-078	Curl Correction	CPM1:Sp1/Matte:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-081	Curl Correction	CPM1:Glossy	ENG	[25 to 100 / 100 / 1%]
1-113-082	Curl Correction	CPM1:Sp2/Gloss:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-083	Curl Correction	CPM1:Sp2/Gloss:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]
1-113-084	Curl Correction	CPM1:Sp2/Gloss:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-085	Curl Correction	CPM1:Sp2/Gloss:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-086	Curl Correction	CPM1:Sp2/Gloss:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-087	Curl Correction	CPM1:Sp2/Gloss:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-088	Curl Correction	CPM1:Sp2/Gloss:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-091	Curl Correction	Tmp:D2:Uncoated:ThinThick1	ENG	[0 to 100 / 0 / 1deg]
1-113-092	Curl Correction	Tmp:D2:Uncoated:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-093	Curl Correction	Tmp:D2:Uncoated:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]
1-113-094	Curl Correction	Tmp:D2:Uncoated:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-095	Curl Correction	Tmp:D2:Uncoated:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]
1-113-096	Curl Correction	Tmp:D2:Uncoated:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-097	Curl Correction	Tmp:D2:Uncoated:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-098	Curl Correction	Tmp:D2:Uncoated:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-099	Curl Correction	Tmp:D2:Uncoated:Envelope	ENG	[0 to 100 / 0 / 1deg]
1-113-100	Curl Correction	Tmp:D2:Uncoated:Postcard	ENG	[0 to 100 / 0 / 1deg]
1-113-101	Curl Correction	Tmp:D2:Sp1Matte:ThinThick1	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-102	Curl Correction	Tmp:D2:Sp1Matte:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-103	Curl Correction	Tmp:D2:Sp1Matte:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]
1-113-104	Curl Correction	Tmp:D2:Sp1Matte:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-105	Curl Correction	Tmp:D2:Sp1Matte:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]
1-113-106	Curl Correction	Tmp:D2:Sp1Matte:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-107	Curl Correction	Tmp:D2:Sp1Matte:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-108	Curl Correction	Tmp:D2:Sp1Matte:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-111	Curl Correction	Tmp:D2:Glossy	ENG	[0 to 100 / 0 / 1deg]
1-113-112	Curl Correction	Tmp:D2:Sp2Gloss:Plain1Thick2	ENG	[0 to 100 / 0 / 1deg]
1-113-113	Curl Correction	Tmp:D2:Sp2Gloss:Plain2Thick3	ENG	[0 to 100 / 0 / 1deg]
1-113-114	Curl Correction	Tmp:D2:Sp2Gloss:MidThickThick4	ENG	[0 to 100 / 0 / 1deg]
1-113-115	Curl Correction	Tmp:D2:Sp2Gloss:Thick1Thick5	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-116	Curl Correction	Tmp:D2:Sp2Gloss:Thick2Thick6	ENG	[0 to 100 / 0 / 1deg]
1-113-117	Curl Correction	Tmp:D2:Sp2Gloss:Thick3Thick7	ENG	[0 to 100 / 0 / 1deg]
1-113-118	Curl Correction	Tmp:D2:Sp2Gloss:Thick4Thick8	ENG	[0 to 100 / 0 / 1deg]
1-113-121	Curl Correction	CPM2:Uncoated:Thin/Thick1	ENG	[25 to 100 / 100 / 1%]
1-113-122	Curl Correction	CPM2:Uncoated:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-123	Curl Correction	CPM2:Uncoated:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]
1-113-124	Curl Correction	CPM2:Uncoated:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-125	Curl Correction	CPM2:Uncoated:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-126	Curl Correction	CPM2:Uncoated:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-127	Curl Correction	CPM2:Uncoated:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]
1-113-128	Curl Correction	CPM2:Uncoated:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-129	Curl Correction	CPM2:Uncoated:Envelope	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-130	Curl Correction	CPM2:Uncoated:Postcard	ENG	[25 to 100 / 100 / 1%]
1-113-131	Curl Correction	CPM2:Sp1/Matte:Thin/Thick1	ENG	[25 to 100 / 100 / 1%]
1-113-132	Curl Correction	CPM2:Sp1/Matte:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-133	Curl Correction	CPM2:Sp1/Matte:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]
1-113-134	Curl Correction	CPM2:Sp1/Matte:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-135	Curl Correction	CPM2:Sp1/Matte:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-136	Curl Correction	CPM2:Sp1/Matte:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-137	Curl Correction	CPM2:Sp1/Matte:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]
1-113-138	Curl Correction	CPM2:Sp1/Matte:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-141	Curl Correction	CPM2:Glossy	ENG	[25 to 100 / 100 / 1%]
1-113-142	Curl Correction	CPM2:Sp2/Gloss:Plain1/Thick2	ENG	[25 to 100 / 100 / 1%]
1-113-143	Curl Correction	CPM2:Sp2/Gloss:Plain2/Thick3	ENG	[25 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-144	Curl Correction	CPM2:Sp2/Gloss:MidThick/Thick4	ENG	[25 to 100 / 100 / 1%]
1-113-145	Curl Correction	CPM2:Sp2/Gloss:Thick1/Thick5	ENG	[25 to 100 / 100 / 1%]
1-113-146	Curl Correction	CPM2:Sp2/Gloss:Thick2/Thick6	ENG	[25 to 100 / 100 / 1%]
1-113-147	Curl Correction	CPM2:Sp2/Gloss:Thick3/Thick7	ENG	[25 to 100 / 100 / 1%]
1-113-148	Curl Correction	CPM2:Sp2/Gloss:Thick4/Thick8	ENG	[25 to 100 / 100 / 1%]
1-113-150	Curl Correction	Humidity:Threshold:M-humid	ENG	[0 to 100 / 65 / 1%]
1-113-151	Curl Correction	Humidity:Threshold:H-humid	ENG	[0 to 100 / 85 / 1%]
1-113-170	Curl Correction	CorJ:Uncoated:Thick9	ENG	[0 to 1 / 0 / 1]
1-113-171	Curl Correction	CorJ:Matte:Thick9	ENG	[0 to 1 / 0 / 1]
1-113-172	Curl Correction	CorJ:Gloss:Thick9	ENG	[0 to 1 / 0 / 1]
1-113-173	Curl Correction	Tmp:D1:Uncoated:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-113-174	Curl Correction	Tmp:D1:Matte:Thick9	ENG	[0 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-113-175	Curl Correction	Tmp:D1:Gloss:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-113-176	Curl Correction	CPM1:Uncoated:Thick9	ENG	[0 to 100 / 100 / 1%]
1-113-177	Curl Correction	CPM1:Matte:Thick9	ENG	[0 to 100 / 100 / 1%]
1-113-178	Curl Correction	CPM1:Gloss:Thick9	ENG	[0 to 100 / 100 / 1%]
1-113-179	Curl Correction	Tmp:D2:Uncoated:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-113-180	Curl Correction	Tmp:D2:Matte:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-113-181	Curl Correction	Tmp:D2:Gloss:Thick9	ENG	[0 to 100 / 0 / 1deg]
1-113-182	Curl Correction	CPM2:Uncoated:Thick9	ENG	[0 to 100 / 100 / 1%]
1-113-183	Curl Correction	CPM2:Matte:Thick9	ENG	[0 to 100 / 100 / 1%]
1-113-184	Curl Correction	CPM2:Gloss:Thick9	ENG	[0 to 100 / 100 / 1%]
1-114-001	Heat Storage Status	Temp.:Threshold:Fusing	ENG*	[0 to 200 / * / 1deg] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 45 *Pro C5210S: 45
1-114-	Heat Storage Status	Temp.:Threshold:Atmosphere	ENG*	[0 to 200 / 60 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-115-001	Target Temp. Correction	Temp:Delta:Heat:End	ENG*	[-50 to 100 / 0 / 1deg]
1-115-002	Target Temp. Correction	Temp:Delta:Press:End	ENG*	[-50 to 100 / 0 / 1deg]
1-115-011	Target Temp. Correction	Temp:Delta:Heat:End:BW2	ENG*	[-50 to 100 / 0 / 1deg]
1-115-012	Target Temp. Correction	Temp:Delta:Press:End:BW2	ENG*	[-50 to 100 / 0 / 1deg]
1-116-001	Heat Storage FB Correction	Execution Mode	ENG	[0 to 2 / 0 / 1] 0: Apply OFF 1: Apply: BW 2: Apply: BW/FC
1-116-011	Heat Storage FB Correction	Time Out	ENG	[0 to 500 / 5 / 1sec]
1-116-021	Heat Storage FB Correction	Delay:Standard Speed:FC:1	ENG	[0 to 20000 / 3500 / 1msec]
1-116-022	Heat Storage FB Correction	Delay:Standard Speed:BW:1	ENG	[0 to 20000 / 1400 / 1msec]
1-116-031	Heat Storage FB Correction	Delay:Standard Speed:FC:2	ENG	[0 to 20000 / 3500 / 1msec]
1-116-032	Heat Storage FB Correction	Delay:Standard Speed:BW:2	ENG	[0 to 20000 / 1400 / 1msec]
1-116-041	Heat Storage FB Correction	PressStdTemp:Bk:Normal	ENG	[0 to 200 / 80 / 1deg]
1-	Heat Storage FB	PressStdTemp:Bk:Lv1	ENG	[0 to 200 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
116-042	Correction			
1-116-043	Heat Storage FB Correction	PressStdTemp:Bk:Lv2	ENG	[0 to 200 / 0 / 1deg]
1-116-044	Heat Storage FB Correction	Temp. Correction Lower Limit	ENG	[-30 to 0 / 0 / 1deg]
1-116-045	Heat Storage FB Correction	Temp. Correction Upper Limit	ENG	[0 to 30 / 0 / 1deg]
1-116-051	Heat Storage FB Correction	PaperThickCoef:Plain:Plain1	ENG	[0 to 100 / 0 / 1]
1-116-052	Heat Storage FB Correction	PaperThickCoef:Plain:Plain2	ENG	[0 to 100 / 0 / 1]
1-117-001	Time Correction	Control Time 1	ENG	[0 to 1000 / 0 / 1sec]
1-117-002	Time Correction	Control Time 2	ENG	[0 to 1000 / 100 / 1sec]
1-117-003	Time Correction	Temp:A:Center:1	ENG	[-100 to 100 / 0 / 1deg]
1-117-005	Time Correction	Temp:A:Center:2	ENG	[-100 to 100 / 0 / 1deg]
1-117-007	Time Correction	Temp:B:Center:1	ENG	[-100 to 100 / 0 / 1deg]
1-117-009	Time Correction	Temp:B:Center:2	ENG	[-100 to 100 / 0 / 1deg]
1-	Time Correction	Temp:C:Center:1	ENG	[-100 to 100 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-011				
1-117-013	Time Correction	Temp:C:Center:2	ENG	[-100 to 100 / 0 / 1deg]
1-117-015	Time Correction	Temp:D:Center:1	ENG	[-100 to 100 / 0 / 1deg]
1-117-017	Time Correction	Temp:D:Center:2	ENG	[-100 to 100 / 0 / 1deg]
1-117-100	Time Correction	Div1:Thin/Thick1	ENG	[1 to 4 / 1 / 1]
1-117-101	Time Correction	Div1:Plain1/Thick2	ENG	[1 to 4 / 1 / 1]
1-117-102	Time Correction	Div1:Plain2/Thick3	ENG	[1 to 4 / 1 / 1]
1-117-103	Time Correction	Div1:MidThick/Thick4	ENG	[1 to 4 / 1 / 1]
1-117-104	Time Correction	Div1:Thick1/Thick5	ENG	[1 to 4 / 1 / 1]
1-117-105	Time Correction	Div1:Thick2/Thick6	ENG	[1 to 4 / 1 / 1]
1-117-106	Time Correction	Div1:Thick3/Thick7	ENG	[1 to 4 / 1 / 1]
1-117-107	Time Correction	Div1:Thick4/Thick8	ENG	[1 to 4 / 1 / 1]
1-	Time Correction	Div1:Envelope	ENG	[1 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-108				
1-117-109	Time Correction	Div1:OHP	ENG	[1 to 4 / 1 / 1]
1-117-110	Time Correction	Div1:Postcard	ENG	[1 to 4 / 1 / 1]
1-117-120	Time Correction	Div2:Thin/Thick1	ENG	[1 to 4 / 1 / 1]
1-117-121	Time Correction	Div2:Plain1/Thick2	ENG	[1 to 4 / 1 / 1]
1-117-122	Time Correction	Div2:Plain2/Thick3	ENG	[1 to 4 / 1 / 1]
1-117-123	Time Correction	Div2:MidThick/Thick4	ENG	[1 to 4 / 1 / 1]
1-117-124	Time Correction	Div2:Thick1/Thick5	ENG	[1 to 4 / 1 / 1]
1-117-125	Time Correction	Div2:Thick2/Thick6	ENG	[1 to 4 / 1 / 1]
1-117-126	Time Correction	Div2:Thick3/Thick7	ENG	[1 to 4 / 1 / 1]
1-117-127	Time Correction	Div2:Thick4/Thick8	ENG	[1 to 4 / 1 / 1]
1-117-129	Time Correction	Div2:OHP	ENG	[1 to 4 / 1 / 1]
1-	Time Correction	Div3:Thin/Thick1	ENG	[1 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-130				
1-117-131	Time Correction	Div3:Plain1/Thick2	ENG	[1 to 4 / 1 / 1]
1-117-132	Time Correction	Div3:Plain2/Thick3	ENG	[1 to 4 / 1 / 1]
1-117-133	Time Correction	Div3:MidThick/Thick4	ENG	[1 to 4 / 1 / 1]
1-117-134	Time Correction	Div3:Thick1/Thick5	ENG	[1 to 4 / 1 / 1]
1-117-135	Time Correction	Div3:Thick2/Thick6	ENG	[1 to 4 / 1 / 1]
1-117-136	Time Correction	Div3:Thick3/Thick7	ENG	[1 to 4 / 1 / 1]
1-117-137	Time Correction	Div3:Thick4/Thick8	ENG	[1 to 4 / 1 / 1]
1-117-139	Time Correction	Div3:OHP	ENG	[1 to 4 / 1 / 1]
1-117-140	Time Correction	Div4:Thin/Thick1	ENG	[1 to 4 / 1 / 1]
1-117-141	Time Correction	Div4:Plain1/Thick2	ENG	[1 to 4 / 1 / 1]
1-117-142	Time Correction	Div4:Plain2/Thick3	ENG	[1 to 4 / 1 / 1]
1-	Time Correction	Div4:MidThick/Thick4	ENG	[1 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-143				
1-117-144	Time Correction	Div4:Thick1/Thick5	ENG	[1 to 4 / 1 / 1]
1-117-145	Time Correction	Div4:Thick2/Thick6	ENG	[1 to 4 / 1 / 1]
1-117-146	Time Correction	Div4:Thick3/Thick7	ENG	[1 to 4 / 1 / 1]
1-117-147	Time Correction	Div4:Thick4/Thick8	ENG	[1 to 4 / 1 / 1]
1-117-150	Time Correction	Div5:Thin/Thick1	ENG	[1 to 4 / 1 / 1]
1-117-151	Time Correction	Div5:Plain1/Thick2	ENG	[1 to 4 / 1 / 1]
1-117-152	Time Correction	Div5:Plain2/Thick3	ENG	[1 to 4 / 1 / 1]
1-117-153	Time Correction	Div5:MidThick/Thick4	ENG	[1 to 4 / 1 / 1]
1-117-154	Time Correction	Div5:Thick1/Thick5	ENG	[1 to 4 / 1 / 1]
1-117-155	Time Correction	Div5:Thick2/Thick6	ENG	[1 to 4 / 1 / 1]
1-117-156	Time Correction	Div5:Thick3/Thick7	ENG	[1 to 4 / 1 / 1]
1-	Time Correction	Div5:Thick4/Thick8	ENG	[1 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-157				
1-117-170	Time Correction	Div1:Thick9	ENG	[1 to 4 / 1 / 1]
1-117-171	Time Correction	Div2:Thick9	ENG	[1 to 4 / 1 / 1]
1-117-172	Time Correction	Div3:Thick9	ENG	[1 to 4 / 1 / 1]
1-117-173	Time Correction	Div4:Thick9	ENG	[1 to 4 / 1 / 1]
1-117-174	Time Correction	Div5:Thick9	ENG	[1 to 4 / 1 / 1]
1-117-180	Time Correction	Div1:Magnetic	ENG	[1 to 4 / 1 / 1]
1-117-181	Time Correction	Div1:Plastic Folder	ENG	[1 to 4 / 1 / 1]
1-117-182	Time Correction	Div2:Magnetic	ENG	[1 to 4 / 1 / 1]
1-117-183	Time Correction	Div2:Plastic Folder	ENG	[1 to 4 / 1 / 1]
1-117-184	Time Correction	Div3:Magnetic	ENG	[1 to 4 / 1 / 1]
1-117-185	Time Correction	Div3:Plastic Folder	ENG	[1 to 4 / 1 / 1]
1-	Time Correction	Div4:Magnetic	ENG	[1 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117-186				
1-117-187	Time Correction	Div4:Plastic Folder	ENG	[1 to 4 / 1 / 1]
1-117-188	Time Correction	Div5:Magnetic	ENG	[1 to 4 / 1 / 1]
1-117-189	Time Correction	Div5:Plastic Folder	ENG	[1 to 4 / 1 / 1]

SP Group 1000-03

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-118-001	Job:Init Temp Calc1	Continuous Time1:Std Spd	ENG	[0 to 50 / 0.9 / 0.1sec]
1-118-002	Job:Init Temp Calc1	Continuous Time1:Mid Spd	ENG	[0 to 50 / * / 0.1sec] *MP C6503: 0.9 *MP C8003: 0.9 *Pro C5200S: 0.9 *Pro C5210S: 1.4
1-118-003	Job:Init Temp Calc1	Continuous Time1:MidLow Spd	ENG	[0 to 50 / * / 0.1sec] *MP C6503: 0.9 *MP C8003: 1.4 *Pro C5200S: 0.9 *Pro C5210S: 1.4
1-118-004	Job:Init Temp Calc1	Continuous Time1:Low Spd	ENG	[0 to 50 / * / 0.1sec] *MP C6503: 1.4 *MP C8003: 1.4 *Pro C5200S: 0.9 *Pro C5210S: 1.4
1-118-005	Job:Init Temp Calc1	Heat Storage 1:Threshold	ENG	[0 to 200 / 80 / 1deg] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 45 *Pro C5210S: 45
1-118-006	Job:Init Temp Calc1	Heat Storage 2:Threshold	ENG	[0 to 200 / * / 1deg] *MP C6503: 81 *MP C8003: 81 *Pro C5200S: 46 *Pro C5210S: 46
1-118-007	Job:Init Temp Calc1	Heat Storage 1:Rate	ENG	[0 to 100 / 100 / 1%]
1-	Job:Init Temp	Heat Storage 2:Rate	ENG	[0 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
118 - 008	Calc1			
1- 118 - 009	Job:Init Temp Calc1	Heat Storage 1:Rate:Coat	ENG	[0 to 100 / 100 / 1%]
1- 118 - 010	Job:Init Temp Calc1	Heat Storage 2:Rate:Coat	ENG	[0 to 100 / 100 / 1%]
1- 118 - 011	Job:Init Temp Calc1	Added Temp1:Thin/Thick1	ENG	[0 to 30 / * / 1deg] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 12 *Pro C5210S: 12
1- 118 - 012	Job:Init Temp Calc1	Added Temp1:Plain1/Thick2	ENG	[0 to 30 / * / 1deg] *MP C6503: 10 *MP C8003: 12 *Pro C5200S: 13 *Pro C5210S: 13
1- 118 - 013	Job:Init Temp Calc1	Added Temp1:Plain2/Thick3	ENG	[0 to 30 / 12 / 1deg]
1- 118 - 014	Job:Init Temp Calc1	Added Temp1:MidThick/Thick4	ENG	[0 to 30 / * / 1deg] *MP C6503: 12 *MP C8003: 12 *Pro C5200S: 18 *Pro C5210S: 19
1- 118 - 015	Job:Init Temp Calc1	Added Temp1:Thick1/Thick5	ENG	[0 to 30 / * / 1deg] *MP C6503: 17 *MP C8003: 19 *Pro C5200S: 18 *Pro C5210S: 20
1- 118 - 016	Job:Init Temp Calc1	Added Temp1:Thick2/Thick6	ENG	[0 to 30 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
118 - 016	Calc1			*MP C6503: 17 *MP C8003: 19 *Pro C5200S: 12 *Pro C5210S: 19
1- 118 - 017	Job:Init Temp Calc1	Added Temp1:Thick3/Thick7	ENG	[0 to 30 / * / 1deg] *MP C6503: 20 *MP C8003: 20 *Pro C5200S: 10 *Pro C5210S: 16
1- 118 - 018	Job:Init Temp Calc1	Added Temp1:Thick4/Thick8	ENG	[0 to 30 / * / 1deg] *MP C6503: 20 *MP C8003: 20 *Pro C5200S: 10 *Pro C5210S: 16
1- 118 - 019	Job:Init Temp Calc1	Added Temp1:Envelope	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 020	Job:Init Temp Calc1	Added Temp1:OHP	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 021	Job:Init Temp Calc1	Added Temp1:Postcard	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 022	Norm Paper:Init Temp Calc1	Added Temp:Thickness 5:L speed	ENG	[0 to 30 / * / 1deg] *MP C6503: 17 *MP C8003: 19 *Pro C5200S: 18 *Pro C5210S: 20
1- 118	Norm Paper:Init	Added Temp:Thickness 6:L speed	ENG	[0 to 30 / * / 1deg] *MP C6503: 17

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 023	Temp Calc1			*MP C8003: 19 *Pro C5200S: 12 *Pro C5210S: 19
1- 118 - 024	Norm Paper:Init Temp Calc1	Added Temp:Glossy	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 025	Job:Init Temp Calc1	Added Temp1:Thick9	ENG	[0 to 30 / * / 1deg] *MP C6503: 20 *MP C8003: 20 *Pro C5200S: 10 *Pro C5210S: 16
1- 118 - 026	Job:Init Temp Calc1	Added Temp1:Magnetic	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 027	Job:Init Temp Calc1	Added Temp1:Plastic Folder	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 028	Job:Init Temp Calc1	Added Temp1:Textured	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 - 029	Job:Init Temp Calc1	Added Temp1:Synthetic	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: 10 *Pro C5210S: 10
1- 118 -	Job:Init Temp Calc1	Added Temp1:Metallic/Per	ENG	[0 to 30 / * / 1deg] *MP C6503: 5 *MP C8003: 5

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030				*Pro C5200S: 10 *Pro C5210S: 10
1-118-031	Job:Init Temp Calc1	After Reload Elapsed Time	ENG	[0 to 600 / 600 / 1sec]
1-119-001	Job:Init Temp Calc2	Start Time:Std Spd	ENG	[0 to 50 / 0.1 / 0.1sec]
1-119-002	Job:Init Temp Calc2	Start Time2:Mid Spd	ENG	[0 to 50 / * / 0.1sec] *MP C6503: 0.3 *MP C8003: 0.1 *Pro C5200S: 0.2 *Pro C5210S: 0.2
1-119-003	Job:Init Temp Calc2	Start Time2:MidLow Spd	ENG	[0 to 50 / * / 0.1sec] *MP C6503: 0.3 *MP C8003: 0.3 *Pro C5200S: 0.2 *Pro C5210S: 0.2
1-119-004	Job:Init Temp Calc2	Start Time2:Low Spd	ENG	[0 to 50 / 0.3 / 0.1sec]
1-119-005	Job:Init Temp Calc2	Continuous Time2:Std Spd	ENG	[0 to 50 / 0.5 / 0.1sec]
1-119-006	Job:Init Temp Calc2	Continuous Time2:Mid Spd	ENG	[0 to 50 / 0.5 / 0.1sec]
1-119-007	Job:Init Temp Calc2	Continuous Time2:MidLow Spd	ENG	[0 to 50 / 0.5 / 0.1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-119-008	Job:Init Temp Calc2	Continuous Time2:Low Spd	ENG	[0 to 50 / 0.5 / 0.1sec]
1-119-011	Job:Init Temp Calc2	Added Temp2:Thin/Thick1	ENG	[0 to 30 / 5 / 1deg]
1-119-012	Job:Init Temp Calc2	Added Temp2:Plain1/Thick2	ENG	[0 to 30 / 5 / 1deg]
1-119-013	Job:Init Temp Calc2	Added Temp2:Plain2/Thick3	ENG	[0 to 30 / 5 / 1deg]
1-119-014	Job:Init Temp Calc2	Added Temp2:MidThick/Thick4	ENG	[0 to 30 / 5 / 1deg]
1-119-015	Job:Init Temp Calc2	Added Temp2:Thick1/Thick5	ENG	[0 to 30 / 5 / 1deg]
1-119-016	Job:Init Temp Calc2	Added Temp2:Thick2/Thick6	ENG	[0 to 30 / 5 / 1deg]
1-119-017	Job:Init Temp Calc2	Added Temp2:Thick3/Thick7	ENG	[0 to 30 / 5 / 1deg]
1-119-018	Job:Init Temp Calc2	Added Temp2:Thick4/Thick8	ENG	[0 to 30 / 5 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-119-019	Job:Init Temp Calc2	Added Temp2:OHP	ENG	[0 to 30 / 5 / 1deg]
1-119-020	Job:Init Temp Calc2	Added Temp2:OHP	ENG	[0 to 30 / 5 / 1deg]
1-119-021	Job:Init Temp Calc2	Added Temp2:Postcard	ENG	[0 to 30 / 5 / 1deg]
1-119-022	Norm Paper:Init Temp Calc2	Added Temp:Thickness 5:L speed	ENG	[0 to 30 / 5 / 1deg]
1-119-023	Norm Paper:Init Temp Calc2	Added Temp:Thickness 6:L speed	ENG	[0 to 30 / 5 / 1deg]
1-119-024	Norm Paper:Init Temp Calc2	Added Temp:Glossy	ENG	[0 to 30 / 5 / 1deg]
1-119-025	Job:Init Temp Calc2	Added Temp2:Thick9	ENG	[0 to 30 / 5 / 1deg]
1-119-026	Job:Init Temp Calc2	Added Temp2:Magnetic	ENG	[0 to 30 / 5 / 1deg]
1-119-027	Job:Init Temp Calc2	Added Temp2:Plastic Folder	ENG	[0 to 30 / 5 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-119-028	Job:Init Temp Calc2	Added Temp2:Textured	ENG	[0 to 30 / 5 / 1deg]
1-119-029	Job:Init Temp Calc2	Added Temp2:Synthetic	ENG	[0 to 30 / 5 / 1deg]
1-119-030	Job:Init Temp Calc2	Added Temp2:Metallic/Per	ENG	[0 to 30 / 5 / 1deg]
1-121-001	Switch:Rotation Start/Stop	Time:After Reload	ENG *	[0 to 999 / 60 / 1sec]
1-121-002	Switch:Rotation Start/Stop	Time:After Recovery	ENG *	[0 to 100 / 15 / 1sec]
1-121-003	Switch:Rotation Start/Stop	Time:After Job	ENG *	[0 to 255 / 0 / 1sec]
1-121-004	Switch:Rotation Start/Stop	Press Temp.:After Reload	ENG *	[0 to 160 / 160 / 1deg]
1-121-005	Switch:Rotation Start/Stop	End Temp.:After Job:B4	ENG *	[0 to 250 / 200 / 1deg]
1-121-006	Switch:Rotation Start/Stop	End Temp.:After Job:B5	ENG *	[0 to 250 / 185 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-121-007	Switch:Rotation Start/Stop	End Temp.:After Job:A5	ENG*	[0 to 250 / 170 / 1deg]
1-121-008	Switch:Rotation Start/Stop	Overshoot Prevent Temp.	ENG*	[0 to 250 / 220 / 1deg]
1-121-009	Switch:Rotation Start/Stop	Overshoot Prevent Time	ENG*	[0 to 100 / 10 / 1sec]
1-123-001	Rotation Speed Setting	WarmupHeat/Rotate After Reload	ENG*	[0 to 4 / 0 / 1] 0: Warm Up Rotation Speed A 1: Warm Up Rotation Speed B 2: Warm Up Rotation Speed C 3: Warm Up Rotation Speed D 4: Warm Up Rotation Speed E
1-123-002	Rotation Speed Setting	Before Job	ENG*	[0 to 5 / 5 / 1] 0: Warm Up Rotation Speed A 1: Warm Up Rotation Speed B 2: Warm Up Rotation Speed C 3: Warm Up Rotation Speed D 4: Warm Up Rotation Speed E 5: Job Information
1-	CPM Down	Low:Down Temp.	ENG	[-50 to 0 / -15 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 001	Setting			
1- 124 - 002	CPM Down Setting	Low:Up Temp.	ENG	[-50 to 0 / -10 / 1deg]
1- 124 - 003	CPM Down Setting	Low:1st CPM	ENG	[10 to 100 / 80 / 1%]
1- 124 - 004	CPM Down Setting	Low:2nd CPM	ENG	[10 to 100 / 65 / 1%]
1- 124 - 005	CPM Down Setting	Low:3rd CPM	ENG	[10 to 100 / 50 / 1%]
1- 124 - 006	CPM Down Setting	High:1st CPM	ENG	[10 to 100 / 80 / 1%]
1- 124 - 007	CPM Down Setting	High:2nd CPM	ENG	[10 to 100 / 65 / 1%]
1- 124 - 008	CPM Down Setting	High:3rd CPM	ENG	[10 to 100 / 50 / 1%]
1- 124 - 012	CPM Down Setting	High:1st CPM Down Temp.:A4	ENG	[100 to 250 / 220 / 1deg]
1-	CPM Down	High:2nd CPM Down Temp.:A4	ENG	[100 to 250 / 230 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 013	Setting			
1- 124 - 014	CPM Down Setting	High:3rd CPM Down Temp.:A4	ENG	[100 to 250 / 240 / 1deg]
1- 124 - 015	CPM Down Setting	High:1st CPM Down Temp.:A5	ENG	[100 to 250 / 180 / 1deg]
1- 124 - 016	CPM Down Setting	High:2nd CPM Down Temp.:A5	ENG	[100 to 250 / 185 / 1deg]
1- 124 - 017	CPM Down Setting	High:3rd CPM Down Temp.:A5	ENG	[100 to 250 / 190 / 1deg]
1- 124 - 021	CPM Down Setting	Judging Interval:Temp	ENG	[1 to 250 / 10 / 1sec]
1- 124 - 022	CPM Down Setting	Judging Interval:power shortage	ENG	[1 to 250 / 10 / 1sec]
1- 124 - 023	CPM Down Setting	Judging Interval:high temperature	ENG	[1 to 250 / 10 / 1sec]
1- 124 - 030	CPM Down Setting	Init CPM Down: Std Spd	ENG	[0 to 200 / 0 / 1sec]
1-	CPM Down	Init CPM Down: Mid Spd	ENG	[0 to 200 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 031	Setting			
1- 124 - 032	CPM Down Setting	Init CPM Down: MidLow Spd	ENG	[0 to 200 / 0 / 1sec]
1- 124 - 033	CPM Down Setting	Init CPM Down: Low Spd	ENG	[0 to 200 / 0 / 1sec]
1- 124 - 101	CPM Down Setting	High:1st CPM Down Temp.:Div1	ENG	[100 to 250 / 220 / 1deg]
1- 124 - 102	CPM Down Setting	High:2nd Down Temp.:Div1	ENG	[100 to 250 / 230 / 1deg]
1- 124 - 103	CPM Down Setting	High:3rd Down Temp.:Div1	ENG	[100 to 250 / 240 / 1deg]
1- 124 - 111	CPM Down Setting	High:1st CPM Down Temp.:Div2	ENG	[100 to 250 / 220 / 1deg]
1- 124 - 112	CPM Down Setting	High:2nd Down Temp.:Div2	ENG	[100 to 250 / 230 / 1deg]
1- 124 - 113	CPM Down Setting	High:3rd Down Temp.:Div2	ENG	[100 to 250 / 240 / 1deg]
1-	CPM Down	High:1st CPM Down Temp.:Div3	ENG	[100 to 250 / 220 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 121	Setting			
1- 124 - 122	CPM Down Setting	High:2nd Down Temp.:Div3	ENG	[100 to 250 / 230 / 1deg]
1- 124 - 123	CPM Down Setting	High:3rd Down Temp.:Div3	ENG	[100 to 250 / 240 / 1deg]
1- 124 - 131	CPM Down Setting	High:1st CPM Down Temp.:Div4	ENG	[100 to 250 / 220 / 1deg]
1- 124 - 132	CPM Down Setting	High:2nd Down Temp.:Div4	ENG	[100 to 250 / 230 / 1deg]
1- 124 - 133	CPM Down Setting	High:3rd Down Temp.:Div4	ENG	[100 to 250 / 240 / 1deg]
1- 124 - 141	CPM Down Setting	High:1st CPM Down Temp.:Div5	ENG	[100 to 250 / 220 / 1deg]
1- 124 - 142	CPM Down Setting	High:2nd Down Temp.:Div5	ENG	[100 to 250 / 230 / 1deg]
1- 124 - 143	CPM Down Setting	High:3rd Down Temp.:Div5	ENG	[100 to 250 / 240 / 1deg]
1-	CPM Down	ExclTime1:Std Speed	ENG	[0 to 500 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 150	Setting			
1- 124 - 151	CPM Down Setting	ExclTime1:Mid Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 152	CPM Down Setting	ExclTime1:Mid/Low Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 153	CPM Down Setting	ExclTime1:Low Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 155	CPM Down Setting	ExclTime2:Std Speed	ENG	[0 to 500 / 10 / 1sec]
1- 124 - 156	CPM Down Setting	ExclTime2:Mid Speed	ENG	[0 to 500 / * / 1sec] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 10 *Pro C5210S: 15
1- 124 - 157	CPM Down Setting	ExclTime2:Mid/Low Speed	ENG	[0 to 500 / * / 1sec] *MP C6503: 10 *MP C8003: 15 *Pro C5200S: 10 *Pro C5210S: 15
1- 124 - 158	CPM Down Setting	ExclTime2:Low Speed	ENG	[0 to 500 / * / 1sec] *MP C6503: 15 *MP C8003: 15 *Pro C5200S: 10 *Pro C5210S: 15
1- 124	CPM Down Setting	ExclTime3:Std Speed	ENG	[0 to 500 / * / 1sec] *MP C6503: 6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 160				*MP C8003: 6 *Pro C5200S: 0 *Pro C5210S: 0
1- 124 - 161	CPM Down Setting	ExclTime3:Mid Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 162	CPM Down Setting	ExclTime3:Mid/Low Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 163	CPM Down Setting	ExclTime3:Low Speed	ENG	[0 to 500 / 0 / 1sec]
1- 124 - 170	CPM Down Setting	Judge Pattern1:DownTemp.	ENG	[-50 to 0 / * / 1deg] *MP C6503: -10 *MP C8003: -10 *Pro C5200S: -10 *Pro C5210S: -13
1- 124 - 171	CPM Down Setting	Judge Pattern2:DownTemp.	ENG	[-50 to 0 / -10 / 1deg]
1- 124 - 172	CPM Down Setting	Judge Pattern3:DownTemp.	ENG	[-50 to 0 / -5 / 1deg]
1- 124 - 173	CPM Down Setting	Judge Pattern4:DownTemp.	ENG	[-50 to 0 / -10 / 1deg]
1- 124 - 180	CPM Down Setting	Judge Pattern1:UpTemp.	ENG	[-50 to 0 / * / 1deg] *MP C6503: -5 *MP C8003: -5 *Pro C5200S: -5

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: -8
1-124-181	CPM Down Setting	Judge Pattern2:UpTemp.	ENG	[-50 to 0 / -5 / 1deg]
1-124-182	CPM Down Setting	Judge Pattern3:UpTemp.	ENG	[-50 to 0 / -3 / 1deg]
1-124-183	CPM Down Setting	Judge Pattern4:UpTemp.	ENG	[-50 to 0 / -5 / 1deg]
1-124-185	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Thin	ENG	[0 to 100 / 100 / 1%]
1-124-186	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Plain1	ENG	[0 to 100 / 100 / 1%]
1-124-187	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Plain2	ENG	[0 to 100 / 100 / 1%]
1-124-188	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/M-Thick	ENG	[0 to 100 / 100 / 1%]
1-124-189	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Thick1	ENG	[0 to 100 / 100 / 1%]
1-124-	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Thick2	ENG	[0 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
190				
1-124-191	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Thick3	ENG	[0 to 100 / 100 / 1%]
1-124-192	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Plain/Thick4	ENG	[0 to 100 / 100 / 1%]
1-124-193	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Thin	ENG	[0 to 100 / 100 / 1%]
1-124-194	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Plain1	ENG	[0 to 100 / 100 / 1%]
1-124-195	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Plain2	ENG	[0 to 100 / 100 / 1%]
1-124-196	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Mid-Thick	ENG	[0 to 100 / 100 / 1%]
1-124-197	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Thick1	ENG	[0 to 100 / 100 / 1%]
1-124-198	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Thick2	ENG	[0 to 100 / 100 / 1%]
1-124-	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Thick3	ENG	[0 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
199				
1-124-200	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP1/Thick4	ENG	[0 to 100 / 100 / 1%]
1-124-201	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Glossy	ENG	[0 to 100 / 100 / 1%]
1-124-202	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Plain1	ENG	[0 to 100 / 100 / 1%]
1-124-203	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Plain2	ENG	[0 to 100 / 100 / 1%]
1-124-204	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Mid-Thick	ENG	[0 to 100 / 100 / 1%]
1-124-205	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Thick1	ENG	[0 to 100 / 100 / 1%]
1-124-206	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Thick2	ENG	[0 to 100 / 100 / 1%]
1-124-207	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Thick3	ENG	[0 to 100 / 100 / 1%]
1-124-	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:SP2/Thick4	ENG	[0 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
208				
1-124-209	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Env:Thick2/6	ENG	[0 to 100 / 100 / 1%]
1-124-210	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Env:Thick3/7	ENG	[0 to 100 / 100 / 1%]
1-124-211	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Env:Thick4/8	ENG	[0 to 100 / 100 / 1%]
1-124-212	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:OHP	ENG	[0 to 100 / 100 / 1%]
1-124-213	CPM Down Setting	PwrShort:CPMDown:AbveRoomTemp:Postcard	ENG	[0 to 100 / 100 / 1%]
1-124-214	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Thin	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-215	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Plain1	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-216	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Plain2	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-124-217	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Mid-Thick	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-218	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Thick1	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-219	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Thick2	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-220	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Thick3	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-221	CPM Down Setting	PwrShort:CPMDown:LowTemp:Plain/Thick4	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-222	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Thin	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-223	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Plain1	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-	CPM Down	PwrShort:CPMDown:LowTemp:SP1/Plain2	ENG	[0 to 100 / * / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124 - 224	Setting			*MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 225	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP!/Mid-Thick	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 226	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Thick1	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 227	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Thick2	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 228	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Thick3	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 229	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP1/Thick4	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 230	CPM Down Setting	PwrShort:CPMDown:LowTemp:Glossy	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Plain1	ENG	[0 to 100 / * / 1%] *MP C6503: 80

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 231				*MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 232	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Plain2	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 233	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Mid-Thick	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 234	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Thick1	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 235	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Thick2	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 236	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Thick3	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 - 237	CPM Down Setting	PwrShort:CPMDown:LowTemp:SP2/Thick4	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1- 124 -	CPM Down Setting	PwrShort:CPMDown:LowTemp:Env:Thick2/Thick6	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
238				*Pro C5200S: 100 *Pro C5210S: 100
1-124-239	CPM Down Setting	PwrShort:CPMDown:LowTemp:Env:Thick3/Thick7	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-240	CPM Down Setting	PwrShort:CPMDown:LowTemp:Env:Thick4/Thick8	ENG	[0 to 100 / * / 1%] *MP C6503: 80 *MP C8003: 80 *Pro C5200S: 100 *Pro C5210S: 100
1-124-241	CPM Down Setting	PwrShort:CPMDown:LowTemp:OHP	ENG	[0 to 100 / 100 / 1%]
1-124-242	CPM Down Setting	PwrShort:CPMDown:LowTemp:PostCard	ENG	[0 to 100 / 100 / 1%]
1-124-250	CPM Down Setting	PwrShort:CPMDown:FusingThreshold	ENG	[0 to 3000 / 0 / 1W]
1-125-001	CPM Down Setting	JdgePattern:Plain:Uncoated:Thin/Thick1	ENG	[0 to 4 / 1 / 1]
1-125-002	CPM Down Setting	JdgePattern:Plain:Uncoated:Plain/Thick2	ENG	[0 to 4 / 1 / 1]
1-125-003	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick3	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-125-004	CPM Down Setting	JdgePattern:Plain:Uncoated:Mid-Thick/Thick4	ENG	[0 to 4 / 1 / 1]
1-125-005	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick1/Thick5	ENG	[0 to 4 / 1 / 1]
1-125-006	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick2/Thick6	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-007	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick3/Thick7	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-008	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick4/Thick8	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-009	CPM Down Setting	JdgePattern:Plain:Uncoated:Thick5/Thick9	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-011	CPM Down Setting	JdgePattern:SP1:Matte:Thin/Thick1	ENG	[0 to 4 / 1 / 1]
1-125-012	CPM Down Setting	JdgePattern:SP1:Matte:Plain1/Thick2	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-125-013	CPM Down Setting	JdgePattern:SP1:Matte:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-014	CPM Down Setting	JdgePattern:SP1:Matte:Mid-Thick/Thick4	ENG	[0 to 4 / 1 / 1]
1-125-015	CPM Down Setting	JdgePattern:SP1:Matte:Thick1/Thick5	ENG	[0 to 4 / 1 / 1]
1-125-016	CPM Down Setting	JdgePattern:SP1:Matte:Thick2/Thick6	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-017	CPM Down Setting	JdgePattern:SP1:Matte:Thick3/Thick7	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-018	CPM Down Setting	JdgePattern:SP1:Matte:Thick4/Thick8	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-019	CPM Down Setting	JdgePattern:SP1:Matte:Thick5/Thick9	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-021	CPM Down Setting	JdgePattern:Glossy	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 2
1-125-022	CPM Down Setting	JdgePattern:SP2:Glossy:Plain1/Thick2	ENG	[0 to 4 / 1 / 1]
1-125-023	CPM Down Setting	JdgePattern:SP2:Glossy:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-024	CPM Down Setting	JdgePattern:SP2:Glossy:Mid-Thick/Thick4	ENG	[0 to 4 / 1 / 1]
1-125-025	CPM Down Setting	JdgePattern:SP2:Glossy:Thick1/Thick5	ENG	[0 to 4 / 1 / 1]
1-125-026	CPM Down Setting	JdgePattern:SP2:Glossy:Thick2/Thick6	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-027	CPM Down Setting	JdgePattern:SP2:Glossy:Thick3/Thick7	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-028	CPM Down Setting	JdgePattern:SP2:Glossy:Thick4/Thick8	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1 *Pro C5210S: 2
1-125-029	CPM Down Setting	JdgePattern:SP2:Glossy:Thick5/Thick9	ENG	[0 to 4 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 2
1-125-031	CPM Down Setting	JdgePattern:Magnetic	ENG	[0 to 4 / 1 / 1]
1-125-032	CPM Down Setting	JdgePattern:Plastic Folder	ENG	[0 to 4 / 1 / 1]
1-125-033	CPM Down Setting	JdgePattern:Env:Thick2/Thick6	ENG	[0 to 4 / 1 / 1]
1-125-034	CPM Down Setting	JdgePattern:Env:Thick3/Thick7	ENG	[0 to 4 / 1 / 1]
1-125-035	CPM Down Setting	JdgePattern:Env:Thick4/Thick8	ENG	[0 to 4 / 1 / 1]
1-125-037	CPM Down Setting	JdgePattern:OHP	ENG	[0 to 4 / 1 / 1]
1-125-038	CPM Down Setting	JdgePattern:Postcard	ENG	[0 to 4 / 1 / 1]
1-125-041	CPM Down Setting	JdgePattern:Textured:Thick1	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePattern:Textured:Thick2	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042				
1-125-043	CPM Down Setting	JdgePattern:Textured:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-044	CPM Down Setting	JdgePattern:Textured:Thick4	ENG	[0 to 4 / 1 / 1]
1-125-045	CPM Down Setting	JdgePattern:Textured:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-046	CPM Down Setting	JdgePattern:Textured:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-047	CPM Down Setting	JdgePattern:Textured:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-048	CPM Down Setting	JdgePattern:Textured:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-049	CPM Down Setting	JdgePattern:Textured:Thick9	ENG	[0 to 4 / 1 / 1]
1-125-050	CPM Down Setting	JdgePattern:Uncoated:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePattern:Uncoated:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051				
1-125-052	CPM Down Setting	JdgePattern:Matte:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-053	CPM Down Setting	JdgePattern:Matte:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-054	CPM Down Setting	JdgePattern:Textured:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-055	CPM Down Setting	JdgePattern:Textured:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-056	CPM Down Setting	JdgePattern:Metallic/Perl:Thick5:Low Spd	ENG	[0 to 4 / 1 / 1]
1-125-057	CPM Down Setting	JdgePattern:Metallic/Perl:Thick6:Low Spd	ENG	[0 to 4 / 1 / 1]
1-125-058	CPM Down Setting	JdgePattern:Synthetic:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-059	CPM Down Setting	JdgePattern:Synthetic:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePattern:Glossy:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060				
1-125-061	CPM Down Setting	JdgePattern:Glossy:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-073	CPM Down Setting	JdgePattern:Metallic/Perl:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-074	CPM Down Setting	JdgePattern:Metallic/Perl:Thick4	ENG	[0 to 4 / 1 / 1]
1-125-075	CPM Down Setting	JdgePattern:Metallic/Perl:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-076	CPM Down Setting	JdgePattern:Metallic/Perl:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-077	CPM Down Setting	JdgePattern:Metallic/Perl:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-078	CPM Down Setting	JdgePattern:Metallic/Perl:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-079	CPM Down Setting	JdgePattern:Metallic/Perl:Thick9	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePattern:Synthetic:Thick2	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
082				
1-125-083	CPM Down Setting	JdgePattern:Synthetic:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-084	CPM Down Setting	JdgePattern:Synthetic:Thick4	ENG	[0 to 4 / 1 / 1]
1-125-085	CPM Down Setting	JdgePattern:Synthetic:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-086	CPM Down Setting	JdgePattern:Synthetic:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-087	CPM Down Setting	JdgePattern:Synthetic:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-088	CPM Down Setting	JdgePattern:Synthetic:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-089	CPM Down Setting	JdgePattern:Synthetic:Thick9	ENG	[0 to 4 / 1 / 1]
1-125-101	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thin/Thick1	ENG	[0 to 4 / 4 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Pla1/Thick2	ENG	[0 to 4 / 4 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102				
1-125-103	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick3	ENG	[0 to 4 / 4 / 1]
1-125-104	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:M-Th/Thi4	ENG	[0 to 4 / 4 / 1]
1-125-105	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick1/5	ENG	[0 to 4 / 4 / 1]
1-125-106	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick2/6	ENG	[0 to 4 / 4 / 1]
1-125-107	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick3/7	ENG	[0 to 4 / 4 / 1]
1-125-108	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick4/8	ENG	[0 to 4 / 4 / 1]
1-125-109	CPM Down Setting	JdgePttn:LowTemp:Plain:Uncoated:Thick5/9	ENG	[0 to 4 / 4 / 1]
1-125-111	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thin/Thick1	ENG	[0 to 4 / 4 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Plain1/Thick2	ENG	[0 to 4 / 4 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
112				
1-125-113	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick3	ENG	[0 to 4 / 4 / 1]
1-125-114	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Mid-Thick/Thick4	ENG	[0 to 4 / 4 / 1]
1-125-115	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick1/Thick5	ENG	[0 to 4 / 4 / 1]
1-125-116	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick2/Thick6	ENG	[0 to 4 / 4 / 1]
1-125-117	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick3/Thick7	ENG	[0 to 4 / 4 / 1]
1-125-118	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick4/Thick8	ENG	[0 to 4 / 4 / 1]
1-125-119	CPM Down Setting	JdgePttn:LowTemp:SP1:Matte:Thick5/Thick9	ENG	[0 to 4 / 4 / 1]
1-125-121	CPM Down Setting	JdgePttn:LowTemp:Glossy	ENG	[0 to 4 / 4 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Plain1/Thick2	ENG	[0 to 4 / 4 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				
1-125 -123	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick3	ENG	[0 to 4 / 4 / 1]
1-125 -124	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Mid-Thick/Thick4	ENG	[0 to 4 / 4 / 1]
1-125 -125	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick1/Thick5	ENG	[0 to 4 / 4 / 1]
1-125 -126	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick2/Thick6	ENG	[0 to 4 / 4 / 1]
1-125 -127	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick3/Thick7	ENG	[0 to 4 / 4 / 1]
1-125 -128	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick4/Thick8	ENG	[0 to 4 / 4 / 1]
1-125 -129	CPM Down Setting	JdgePttn:LowTemp:SP2:Glossy:Thick5/Thick9	ENG	[0 to 4 / 4 / 1]
1-125 -131	CPM Down Setting	JdgePttn:LowTemp:Magnetic	ENG	[0 to 4 / 1 / 1]
1-125 -	CPM Down Setting	JdgePttn:LowTemp:Plastic Folder	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
132				
1-125-133	CPM Down Setting	JdgePttn:LowTemp:Env:Thick2/Thick6	ENG	[0 to 4 / 1 / 1]
1-125-134	CPM Down Setting	JdgePttn:LowTemp:Env:Thick3/Thick7	ENG	[0 to 4 / 1 / 1]
1-125-135	CPM Down Setting	JdgePttn:LowTemp:Env:Thick4/Thick8	ENG	[0 to 4 / 1 / 1]
1-125-137	CPM Down Setting	JdgePttn:LowTemp:OHP	ENG	[0 to 4 / 1 / 1]
1-125-138	CPM Down Setting	JdgePttn:LowTemp:PCard	ENG	[0 to 4 / 1 / 1]
1-125-141	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick1	ENG	[0 to 4 / 1 / 1]
1-125-142	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick2	ENG	[0 to 4 / 1 / 1]
1-125-143	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick4	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
144				
1-125-145	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-146	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-147	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-148	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-149	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick9	ENG	[0 to 4 / 1 / 1]
1-125-150	CPM Down Setting	JdgePttn:LowTemp:Uncoated:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-151	CPM Down Setting	JdgePttn:LowTemp:Uncoated:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-152	CPM Down Setting	JdgePttn:LowTemp:Matte:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:Matte:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
153				
1-125-154	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-155	CPM Down Setting	JdgePttn:LowTemp:Textured:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-156	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick5:Low	ENG	[0 to 4 / 1 / 1]
1-125-157	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick6:Low	ENG	[0 to 4 / 1 / 1]
1-125-158	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-159	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-160	CPM Down Setting	JdgePttn:LowTemp:Glossy:Thick5:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-161	CPM Down Setting	JdgePttn:LowTemp:Glossy:Thick6:LowSpd	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick3	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
173				
1-125-174	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick4	ENG	[0 to 4 / 1 / 1]
1-125-175	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-176	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-177	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-178	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-179	CPM Down Setting	JdgePttn:LowTemp:Metallic/Perl:Thick9	ENG	[0 to 4 / 1 / 1]
1-125-182	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick2	ENG	[0 to 4 / 1 / 1]
1-125-183	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick3	ENG	[0 to 4 / 1 / 1]
1-125-	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick4	ENG	[0 to 4 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
184				
1-125-185	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick5	ENG	[0 to 4 / 1 / 1]
1-125-186	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick6	ENG	[0 to 4 / 1 / 1]
1-125-187	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick7	ENG	[0 to 4 / 1 / 1]
1-125-188	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick8	ENG	[0 to 4 / 1 / 1]
1-125-189	CPM Down Setting	JdgePttn:LowTemp:Synthetic:Thick9	ENG	[0 to 4 / 1 / 1]
1-127-001	Energy Saving PprFeed Judgment	Judging Method Change	ENG *	[0 to 1 / 1 / 1] 0: off 1: on
1-127-002	Energy Saving PprFeed Judgment	Temp.: Threshold: Press	ENG *	[0 to 200 / 45 / 1deg]
1-127-003	Energy Saving PprFeed Judgment	Temp.: Threshold: Atmosphere	ENG *	[0 to 200 / 60 / 1deg]
1-127-	Energy Saving PprFeed Judgment	Power Supply Voltage: Lower	ENG *	[0 to 300 / * / 1V] *MP C6503 (NA): 101 *MP C6503

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				(EU/AP/CHN/TWN/KOR): 203 *MP C8003 (NA): 192 *MP C8003 (EU/AP/CHN/TWN/KOR): 203 *Pro C5200S (NA): 192 *Pro C5200S (EU/AP/CHN/TWN/KOR): 203 *Pro C5210S (NA): 192 *Pro C5210S (EU/AP/CHN/TWN/KOR): 203
1-127-005	Energy Saving PprFeed Judgment	Power Supply Voltage: Upper	ENG *	[0 to 300 / * / 1V] *MP C6503 (NA): 140 *MP C6503 (EU/AP/CHN/TWN/KOR): 260 *MP C8003: 260 *Pro C5200S: 260 *Pro C5210S: 260
1-127-006	Energy Saving PprFeed Judgment	Judgment Time-Out	ENG *	[0 to 10 / 2 / 0.1sec]
1-131-001	Continuous Print Mode Switch	Feed Permit Condition	ENG *	[0 to 1 / 0 / 1] 0: Fusing Priority 1: Productivity Priority
1-132-001	Maximum Duty Switch	Control Method Switch	ENG *	[0 to 1 / 1 / 1] 0: Fixed DUTY 1: Power Control
1-132	Power Control	Power Offset	ENG *	[0 to 8 / 4 / 1] 0: +400W

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 003				1: +300W 2: +200W 3: +100W 4: 0W 5: -100W 6: -200W 7: -300W 8: -400W
1- 133 - 001	Fusing Belt Smoothing Roller	Auto Control Method Switch	ENG	[0 to 2 / 0 / 1] 0: OFF 1: Auto execute:Fixed 2: Auto execute:ProCon conjunction
1- 133 - 002	Fusing Belt Smoothing Roller	Refresh Pg Threshold 1	ENG	[0 to 40000000 / 31500 / 0.01page]
1- 133 - 003	Fusing Belt Smoothing Roller	Refresh Pg Threshold 2	ENG	[0 to 40000000 / 105000 / 0.01page]
1- 133 - 004	Fusing Belt Smoothing Roller	Refresh Pg Threshold 3	ENG	[0 to 40000000 / 2500 / 0.01page]
1- 133 - 005	Fusing Belt Smoothing Roller	Total Page Cnt:Before 4	ENG	[0 to 126000000 / 29700000 / 10mm]
1- 133 - 006	Fusing Belt Smoothing Roller	Total Page Cnt:After 1	ENG	[0 to 126000000 / 4200000 / 10mm]
1- 133 - 006	Fusing Belt Smoothing Roller	Total Page Cnt:After 2	ENG	[0 to 126000000 / 14850000 / 10mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
1-133-008	Fusing Belt Smoothing Roller	Total Page Cnt:After 3	ENG	[0 to 126000000 / 23017500 / 10mm]
1-133-009	Fusing Belt Smoothing Roller	Total Page Cnt:After 4	ENG	[0 to 126000000 / 29700000 / 10mm]
1-133-010	Fusing Belt Smoothing Roller	Short Refresh Maximum time	ENG	[0 to 3600 / 60 / 0.1sec]
1-133-011	Fusing Belt Smoothing Roller	Short Refresh Minimum time	ENG	[0 to 3600 / 10 / 0.1sec]
1-133-012	Fusing Belt Smoothing Roller	Long Refresh Maximum time	ENG	[0 to 3600 / 360 / 0.1sec]
1-133-013	Fusing Belt Smoothing Roller	Long Refresh Minimum time	ENG	[0 to 3600 / 10 / 0.1sec]
1-133-015	Fusing Belt Smoothing Roller	Short Refresh Pg Exchange Threshold:User	ENG	[1 to 2000 / 500 / 1page]
1-133-016	Fusing Belt Smoothing Roller	Long Refresh Job-End-ProCon Linkage	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-133-	Fusing Belt Smoothing Roller	Refresh Pg Threshold 4	ENG	[0 to 40000000 / * / 0.01page] *MP C6503: 40000000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017				*MP C8003: 40000000 *Pro C5200S: 1250 *Pro C5210S: 1250
1-133-018	Fusing Belt Smoothing Roller	Refresh Pg Threshold 5	ENG	[0 to 40000000 / 40000000 / 0.01page]
1-133-019	Fusing Belt Smoothing Roller	Refresh Pg Threshold 6	ENG	[0 to 40000000 / 40000000 / 0.01page]
1-133-020	Fusing Belt Smoothing Roller	Operation Intervals:a	ENG	[0 to 600000 / 0 / 1page]
1-133-021	Fusing Belt Smoothing Roller	Operation Intervals:b	ENG	[0 to 600000 / 0 / 1page]
1-133-022	Fusing Belt Smoothing Roller	Paper Type Rate	ENG	[0 to 100 / 100 / 1]
1-133-023	Fusing Belt Smoothing Roller	Duplex:Weight Coefficient	ENG	[0 to 1 / 0 / 0.01]
1-133-030	Fusing Belt Smoothing Roller	Refresh Time 1	ENG	[0 to 650 / 10 / 0.01msec]
1-133-031	Fusing Belt Smoothing Roller	Refresh Time 2	ENG	[0 to 650 / 30 / 0.01msec]
1-	Fusing Belt	Refresh Time 3	ENG	[0 to 650 / 96 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
133 - 032	Smoothing Roller			0.01msec]
1- 133 - 033	Fusing Belt Smoothing Roller	Refresh Time 4	ENG	[0 to 650 / * / 0.01msec] *MP C6503: 360 *MP C8003: 360 *Pro C5200S: 192 *Pro C5210S: 192
1- 133 - 034	Fusing Belt Smoothing Roller	Refresh Time 5	ENG	[0 to 650 / 150 / 0.01msec]
1- 133 - 035	Fusing Belt Smoothing Roller	Refresh Operation Time:After 2	ENG	[0 to 60000 / 600 / 10sec]
1- 133 - 036	Fusing Belt Smoothing Roller	Refresh Operation Time:After 3	ENG	[0 to 60000 / 750 / 10sec]
1- 133 - 037	Fusing Belt Smoothing Roller	Refresh Operation Time:After 4	ENG	[0 to 60000 / 900 / 10sec]
1- 133 - 038	Fusing Belt Smoothing Roller	Refresh Time 6	ENG	[0 to 650 / 150 / 0.01msec]
1- 133 - 040	Fusing Belt Smoothing Roller	Fixed Operation Time	ENG	[0 to 60000 / 0 / 1sec]
1- 133 - 041	Fusing Belt Smoothing Roller	Coefficient:F	ENG	[-30000 to 30000 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-133-042	Fusing Belt Smoothing Roller	Coefficient:G	ENG	[-30000 to 30000 / 0 / 1]
1-133-043	Fusing Belt Smoothing Roller	Coefficient:H	ENG	[-30000 to 30000 / 0 / 1]
1-133-044	Fusing Belt Smoothing Roller	Auto Control Method Switch:Gloss	ENG	[0 to 1 / 0 / 1] 0: Auto execute:OFF 1: Auto execute:ON
1-133-045	Fusing Belt Smoothing Roller	Refresh Pg Threshold 7	ENG	[0 to 4000000 / 1000 / 0.01page]
1-133-046	Fusing Belt Smoothing Roller	Refresh Maximum time:Gloss	ENG	[0 to 3600 / 60 / 0.1sec]
1-133-047	Fusing Belt Smoothing Roller	Refresh Minimum time:Gloss	ENG	[0 to 3600 / 10 / 0.1sec]
1-133-048	Fusing Belt Smoothing Roller	Paper Type Rate:Gloss	ENG	[0 to 100 / 100 / 1]
1-133-049	Fusing Belt Smoothing Roller	Duplex:Weight Coefficient:Gloss	ENG	[0 to 1 / 1 / 0.01]
1-133-050	Fusing Belt Smoothing Roller	Refresh Time 7	ENG	[0 to 650 / 10 / 0.01msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-133-051	Fusing Belt Smoothing Roller	Page Cnt :Gloss	ENG	[0 to 4000000 / 0 / 0.01page]
1-133-052	Fusing Belt Smoothing Roller	Time Cnt :Gloss	ENG	[0 to 3600000 / 0 / 0.01msec]
1-133-101	Fusing Belt Smoothing Roller	Fusing Speed	ENG	[0 to 5 / 4 / 1] 0: Rotation Speed A 1: Rotation Speed B 2: Rotation Speed C 3: Rotation Speed D 4: Rotation Speed E 5: Rotation Speed F
1-133-102	Fusing Belt Smoothing Roller	Htg Roller Temp Setting	ENG	[0 to 200 / 90 / 1deg]
1-133-103	Fusing Belt Smoothing Roller	Press Roller Temp Setting	ENG	[0 to 200 / 90 / 1deg]
1-133-104	Fusing Belt Smoothing Roller	Fusing Pressure Position	ENG	[0 to 3 / 3 / 1] 0: Depressure Position 1: Pressure Position1 2: Pressure Position2 3: Pressure Position3
1-133-105	Fusing Belt Smoothing Roller	Smoothing Roller:Prs Position	ENG	[0 to 2 / 2 / 1] 0: Pressure Position1 1: Pressure Position2 2: Pressure Position3
1-133-106	Fusing Belt Smoothing Roller	Smoothing Roller:Speed	ENG	[0 to 2 / 0 / 1] 0: Rotation Speed A 1: Rotation Speed B 2: Rotation Speed C

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-133-110	Fusing Belt Smoothing Roller	Manual Smoothing:Exe	ENG	[0 to 1 / 0 / 1]
1-133-111	Fusing Belt Smoothing Roller	Manual Refresh:Exe 2	ENG	[0 to 1 / 0 / 1]
1-133-120	Fusing Belt Smoothing Roller	Fixed Operation Time:Manual	ENG	[0 to 60000 / 120 / 1sec]
1-133-121	Fusing Belt Smoothing Roller	Manual Refresh:Gloss	ENG	[0 to 60 / 10 / 1sec]
1-133-130	Fusing Belt Smoothing Roller	Total Operation Time	ENG	[0 to 6000000 / 0 / 1sec]
1-133-131	Fusing Belt Smoothing Roller	Near End Setting	ENG	[0 to 6000000 / * / 1sec] *MP C6503: 16920 *MP C8003: 16920 *Pro C5200S: 15520 *Pro C5210S: 15280
1-133-132	Fusing Belt Smoothing Roller	End Setting	ENG	[0 to 6000000 / * / 1sec] *MP C6503: 18000 *MP C8003: 18000 *Pro C5200S: 16000 *Pro C5210S: 16000
1-133-150	Fusing Belt Smoothing Roller	Operation time before interruption	ENG	[0 to 40000000 / 0 / 0.01page]
1-133	Fusing Belt Smoothing	Operation time before interruption:Gloss	ENG	[0 to 40000000 / 0 / 0.01page]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 151	Roller			
1- 133 - 160	Fusing Belt Smoothing Roller	Pressure Time1	ENG	[0 to 5000 / 234 / 1msec]
1- 133 - 161	Fusing Belt Smoothing Roller	Pressure Time2	ENG	[0 to 5000 / 275 / 1msec]
1- 133 - 162	Fusing Belt Smoothing Roller	Pressure Time3	ENG	[0 to 5000 / 1470 / 1msec]
1- 133 - 170	Fusing Belt Smoothing Roller	Depressure Time	ENG	[0 to 5000 / 12 / 1msec]
1- 133 - 201	Fusing Belt Smoothing Roller	Page Cnt Category1	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 202	Fusing Belt Smoothing Roller	Page Cnt Category2	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 203	Fusing Belt Smoothing Roller	Page Cnt Category3	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 204	Fusing Belt Smoothing Roller	Page Cnt Category4	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133	Fusing Belt Smoothing	Page Cnt Category5	ENG	[0 to 40000000 / 0 / 0.01page]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 205	Roller			
1- 133 - 206	Fusing Belt Smoothing Roller	Page Cnt Category6	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 207	Fusing Belt Smoothing Roller	Page Cnt Category7	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 208	Fusing Belt Smoothing Roller	Page Cnt Category8	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 209	Fusing Belt Smoothing Roller	Page Cnt Category9	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 210	Fusing Belt Smoothing Roller	Page Cnt Category10	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 211	Fusing Belt Smoothing Roller	Page Cnt Category11	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 215	Fusing Belt Smoothing Roller	Page Cnt:long Category1	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 216	Fusing Belt Smoothing Roller	Page Cnt:long Category2	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133	Fusing Belt Smoothing	Page Cnt:long Category3	ENG	[0 to 40000000 / 0 / 0.01page]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 217	Roller			
1- 133 - 218	Fusing Belt Smoothing Roller	Page Cnt:long Category4	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 219	Fusing Belt Smoothing Roller	Page Cnt:long Category5	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 220	Fusing Belt Smoothing Roller	Page Cnt:long Category6	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 221	Fusing Belt Smoothing Roller	Page Cnt:long Category7	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 222	Fusing Belt Smoothing Roller	Page Cnt:long Category8	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 223	Fusing Belt Smoothing Roller	Page Cnt:long Category9	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 224	Fusing Belt Smoothing Roller	Page Cnt:long Category10	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133 - 225	Fusing Belt Smoothing Roller	Page Cnt:long Category11	ENG	[0 to 40000000 / 0 / 0.01page]
1- 133	Fusing Belt Smoothing	Time Cnt:short Category1	ENG	[0 to 3600000 / 0 / 0.01msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 230	Roller			
1- 133 - 231	Fusing Belt Smoothing Roller	Time Cnt:short Category2	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 232	Fusing Belt Smoothing Roller	Time Cnt:short Category3	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 233	Fusing Belt Smoothing Roller	Time Cnt:short Category4	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 234	Fusing Belt Smoothing Roller	Time Cnt:short Category5	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 235	Fusing Belt Smoothing Roller	Time Cnt:short Category6	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 236	Fusing Belt Smoothing Roller	Time Cnt:short Category7	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 237	Fusing Belt Smoothing Roller	Time Cnt:short Category8	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 238	Fusing Belt Smoothing Roller	Time Cnt:short Category9	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133	Fusing Belt Smoothing	Time Cnt:short Category10	ENG	[0 to 3600000 / 0 / 0.01msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 239	Roller			
1- 133 - 240	Fusing Belt Smoothing Roller	Time Cnt:short Category11	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 245	Fusing Belt Smoothing Roller	Time Cnt:long Category1	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 246	Fusing Belt Smoothing Roller	Time Cnt:long Category2	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 247	Fusing Belt Smoothing Roller	Time Cnt:long Category3	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 248	Fusing Belt Smoothing Roller	Time Cnt:long Category4	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 249	Fusing Belt Smoothing Roller	Time Cnt:long Category5	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 250	Fusing Belt Smoothing Roller	Time Cnt:long Category6	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 251	Fusing Belt Smoothing Roller	Time Cnt:long Category7	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133	Fusing Belt Smoothing	Time Cnt:long Category8	ENG	[0 to 3600000 / 0 / 0.01msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 252	Roller			
1- 133 - 253	Fusing Belt Smoothing Roller	Time Cnt:long Category9	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 254	Fusing Belt Smoothing Roller	Time Cnt:long Category10	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 133 - 255	Fusing Belt Smoothing Roller	Time Cnt:long Category11	ENG	[0 to 3600000 / 0 / 0.01msec]
1- 134 - 001	Fusing Enter Sensor Setting	Fusing Enter Sensor:No Paper Check	ENG	[0 to 1 / 1 / 1]
1- 134 - 002	Fusing Enter Sensor Setting	No Paper:Detection voltage	ENG *	[0 to 4000 / 0 / 1mV]
1- 134 - 003	Fusing Enter Sensor Setting	Yes Paper:Voltage:Delta	ENG *	[0 to 4000 / 150 / 1mV]
1- 135 - 001	Fusing Mode Switch	Fusing Mode Setting	ENG	[0 to 1 / 0 / 1] 0: Normal Speed Mode 1: Thick Paper Fusing Priority Mode
1- 141 - 001	Fusing SC Error Info	SC Number	ENG *	[0 to 999 / 0 / 1]
1- 141	Fusing SC Error Info	Cause	ENG *	[0 to 9 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 002				
1- 141 - 101	Fusing SC Error Info	Htg Roller:Ctr Detect Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 102	Fusing SC Error Info	Htg Roller:Front Temp. 1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 103	Fusing SC Error Info	Fus Roller:End Different Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 104	Fusing SC Error Info	Fus Roller:End Compensate Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 105	Fusing SC Error Info	Press Roller:Ctr Differe Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 106	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 107	Fusing SC Error Info	Press Roller:End Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 108	Fusing SC Error Info	Fus Roller:Ctr Different Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141	Fusing SC Error Info	Fus Roller:Ctr Compensate Tmp1	ENG *	[-5 to 260 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 109				
1- 141 - 110	Fusing SC Error Info	Htg Roller:Roll Core Tmp1	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 151	Fusing SC Error Info	Htg Roller:Ctr Detect Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 152	Fusing SC Error Info	Htg Roller:Front Temp. 2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 153	Fusing SC Error Info	Fus Roller:End Different Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 154	Fusing SC Error Info	Fus Roller:End Compensate Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 155	Fusing SC Error Info	Press Roller:Ctr Differe Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 156	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 157	Fusing SC Error Info	Press Roller:End Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141	Fusing SC Error Info	Fus Roller:Ctr Different Tmp2	ENG *	[-5 to 260 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 158				
1- 141 - 159	Fusing SC Error Info	Fus Roller:Ctr Compensate Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 160	Fusing SC Error Info	Htg Roller:Roll Core Tmp2	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 201	Fusing SC Error Info	Htg Roller:Ctr Detect Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 202	Fusing SC Error Info	Htg Roller:Front Temp. 3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 203	Fusing SC Error Info	Fus Roller:End Different Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 204	Fusing SC Error Info	Fus Roller:End Compensate Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 205	Fusing SC Error Info	Press Roller:Ctr Differe Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 206	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141	Fusing SC Error Info	Press Roller:End Tmp3	ENG *	[-5 to 260 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 207				
1- 141 - 208	Fusing SC Error Info	Fus Roller:Ctr Different Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 209	Fusing SC Error Info	Fus Roller:Ctr Compensate Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 141 - 210	Fusing SC Error Info	Htg Roller:Roll Core Tmp3	ENG *	[-5 to 260 / 0 / 1deg]
1- 142 - 001	Fusing Jam 3 Times Detection	SC Display	ENG *	[0 to 1 / 1 / 1] 0: ON 1: OFF
1- 151 - 001	Pressure Setting	Pressure Change ON/OFF	ENG *	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 151 - 013	Pressure Setting	Mtr Op Start Delay Time1	ENG *	[0 to 10000 / 375 / 1msec]
1- 151 - 014	Pressure Setting	Mtr Op Start Delay Time2	ENG *	[0 to 10000 / 500 / 1msec]
1- 151 - 015	Pressure Setting	Mtr Op Start Delay Time3	ENG *	[0 to 10000 / 0 / 1msec]
1- 151	Pressure Setting	Press Pos:Power ON Heat	ENG *	[0 to 3 / * / 1] *MP C6503: 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 016				*MP C8003: 3 *Pro C5200S: 0 *Pro C5210S: 0
1- 151 - 017	Pressure Setting	Press Pos:Restart	ENG *	[0 to 3 / * / 1] *MP C6503: 3 *MP C8003: 3 *Pro C5200S: 0 *Pro C5210S: 0
1- 151 - 018	Pressure Setting	Press Pos:RotationAfterReload	ENG *	[0 to 3 / * / 1] *MP C6503: 3 *MP C8003: 3 *Pro C5200S: 0 *Pro C5210S: 0
1- 151 - 019	Pressure Setting	Press Pos:Before Job	ENG *	[0 to 3 / * / 1] *MP C6503: 3 *MP C8003: 3 *Pro C5200S: 0 *Pro C5210S: 0
1- 151 - 020	Pressure Setting	Press Pos:After Job	ENG *	[0 to 3 / 0 / 1]
1- 151 - 021	Pressure Setting	Press Pos:Ready Standby	ENG *	[0 to 3 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 2 *Pro C5210S: 2
1- 151 - 022	Pressure Setting	Press Pos:EnergySaver	ENG *	[0 to 3 / * / 1] *MP C6503: 3 *MP C8003: 3 *Pro C5200S: 2 *Pro C5210S: 2
1- 151 - 023	Pressure Setting	Press Pos:Low Power	ENG *	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-151-024	Pressure Setting	Press Pos:Off Sleep	ENG *	[0 to 3 / 0 / 1]
1-151-025	Pressure Setting	Press Pos:Print Ready	ENG *	[0 to 3 / 3 / 1]
1-151-026	Pressure Setting	Reverse Operation Time	ENG *	[100 to 10000 / 1000 / 1msec]
1-152-001	Fusing Nip Band Check	Execute	ENG	[0 to 1 / 1 / 1]
1-152-002	Fusing Nip Band Check	Pre-idling Time	ENG	[0 to 3600 / 600 / 1sec]
1-152-003	Fusing Nip Band Check	Stop Time	ENG	[0 to 255 / 60 / 1sec]
1-152-004	Fusing Nip Band Check	Pressure Position	ENG	[1 to 3 / 3 / 1]
1-152-010	Fusing Nip Band Check	Target Temp: Fusing:Center	ENG	[0 to 200 / 155 / 1deg]
1-152-011	Fusing Nip Band Check	Target Temp: Press:Center	ENG	[0 to 200 / 155 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-001	Press Roller Cooling Fan	Startup Difference	ENG *	[-90 to 50 / -90 / 1deg]
1-153-002	Press Roller Cooling Fan	Job Difference	ENG *	[-90 to 50 / 10 / 1deg]
1-153-003	Press Roller Cooling Fan	After Job Difference	ENG *	[-90 to 50 / -90 / 1deg]
1-153-004	Press Roller Colling Fan	Fusing Refresh	ENG *	[-90 to 50 / -10 / 1deg]
1-153-005	Press Roller Cooling Fan	Stdby:ReadyStdby/WarmUp/LowPwr:FanDuty	ENG	[0 to 100 / 0 / 1%]
1-153-006	Press Roller Cooling Fan	Stdby:ReadyStdby/WarmUp/LowPwr:TempDiff	ENG *	[-90 to 50 / 50 / 1deg]
1-153-007	Press Roller Cooling Fan	Stdby:PrintReady:FanDuty	ENG	[0 to 100 / 0 / 1%]
1-153-008	Press Roller Cooling Fan	Stdby:PrintReady:TempDiff	ENG	[-90 to 50 / 50 / 1deg]
1-153-011	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick1	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-012	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick2	ENG	[-90 to 50 / 50 / 1deg]
1-153-013	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick3	ENG	[-90 to 50 / 10 / 1deg]
1-153-014	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-015	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-016	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-017	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-018	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-019	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-021	Press Roller Cooling Fan	PressRollerFan:Matte:Thick1	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-022	Press Roller Cooling Fan	PressRollerFan:Matte:Thick2	ENG	[-90 to 50 / 10 / 1deg]
1-153-023	Press Roller Cooling Fan	PressRollerFan:Matte:Thick3	ENG	[-90 to 50 / 10 / 1deg]
1-153-024	Press Roller Cooling Fan	PressRollerFan:Matte:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-025	Press Roller Cooling Fan	PressRollerFan:Matte:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-026	Press Roller Cooling Fan	PressRollerFan:Matte:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-027	Press Roller Cooling Fan	PressRollerFan:Matte:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-028	Press Roller Cooling Fan	PressRollerFan:Matte:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-029	Press Roller Cooling Fan	PressRollerFan:Matte:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-031	Press Roller Cooling Fan	PressRollerFan:Glossy	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-032	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick2	ENG	[-90 to 50 / 10 / 1deg]
1-153-033	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick3	ENG	[-90 to 50 / 10 / 1deg]
1-153-034	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-035	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-036	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-037	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-038	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-039	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-041	Press Roller Cooling Fan	PressRollerFan:Magnetic	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-042	Press Roller Cooling Fan	PressRollerFan:Plastic Folder	ENG	[-90 to 50 / 10 / 1deg]
1-153-043	Press Roller Cooling Fan	PressRollerFan:Env:Thick2/Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-044	Press Roller Cooling Fan	PressRollerFan:Env::Thick3/Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-045	Press Roller Cooling Fan	PressRollerFan:Env::Thick4/Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-047	Press Roller Cooling Fan	PressRollerFan:OHP	ENG	[-90 to 50 / 10 / 1deg]
1-153-048	Press Roller Cooling Fan	PressRollerFan:Postcard	ENG	[-90 to 50 / 10 / 1deg]
1-153-051	Press Roller Cooling Fan	PressRollerFan:Textured:Thick1	ENG	[-90 to 50 / 10 / 1deg]
1-153-052	Press Roller Cooling Fan	PressRollerFan:Textured:Thick2	ENG	[-90 to 50 / 10 / 1deg]
1-153-053	Press Roller Cooling Fan	PressRollerFan:Textured:Thick3	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-054	Press Roller Cooling Fan	PressRollerFan:Textured:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-055	Press Roller Cooling Fan	PressRollerFan:Textured:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-056	Press Roller Cooling Fan	PressRollerFan:Textured:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-057	Press Roller Cooling Fan	PressRollerFan:Textured:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-058	Press Roller Cooling Fan	PressRollerFan:Textured:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-059	Press Roller Cooling Fan	PressRollerFan:Textured:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-060	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-061	Press Roller Cooling Fan	PressRollerFan:Uncoated:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-062	Press Roller Cooling Fan	PressRollerFan:Matte:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-063	Press Roller Cooling Fan	PressRollerFan:Matte:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-064	Press Roller Cooling Fan	PressRollerFan:Textured:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-065	Press Roller Cooling Fan	PressRollerFan:Textured:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-066	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-067	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-068	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-069	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-070	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick5:LowSpd	ENG	[-90 to 50 / 10 / 1deg]
1-153-071	Press Roller Cooling Fan	PressRollerFan:Glossy:Thick6:LowSpd	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-083	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick3	ENG	[-90 to 50 / 10 / 1deg]
1-153-084	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-085	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-086	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-087	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-088	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-089	Press Roller Cooling Fan	PressRollerFan:Metallic/Perl:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-092	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick2	ENG	[-90 to 50 / 10 / 1deg]
1-153-093	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick3	ENG	[-90 to 50 / 10 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-094	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick4	ENG	[-90 to 50 / 10 / 1deg]
1-153-095	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick5	ENG	[-90 to 50 / 10 / 1deg]
1-153-096	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick6	ENG	[-90 to 50 / 10 / 1deg]
1-153-097	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick7	ENG	[-90 to 50 / 10 / 1deg]
1-153-098	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick8	ENG	[-90 to 50 / 10 / 1deg]
1-153-099	Press Roller Cooling Fan	PressRollerFan:Synthetic:Thick9	ENG	[-90 to 50 / 10 / 1deg]
1-153-101	Fuser Cleaning	Force to Execute	ENG	[0 to 1 / 0 / 1]
1-153-102	Fuser Cleaning	Operation Interval	ENG *	[0 to 300 / 300 / 1Kpage]
1-153-103	Fuser Cleaning	Control Temp.	ENG *	[0 to 200 / 180 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-153-104	Fuser Cleaning	Page Count	ENG *	[0 to 300000 / 0 / 1page]
1-154-001	Keep Temp Rotation	Rotation Start Temp	ENG *	[0 to 150 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 120 *Pro C5210S: 120
1-154-002	Keep Temp Rotation	Rotation Time	ENG *	[0 to 255 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 30 *Pro C5210S: 30
1-154-003	Keep Temp Rotation	Rotation Start Time 1:LL1	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KOR): 390
1-154-004	Keep Temp Rotation	Rotation Start Time 1:LL2	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				(EU/AP/CHN/TWN/KOR): 390
1-154-005	Keep Temp Rotation	Rotation Start Time 1:MM	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KOR): 390
1-154-006	Keep Temp Rotation	Rotation Start Time 1:HH	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KOR): 390
1-154-013	Keep Temp Rotation	Increment:LL1	ENG *	[0 to 999999999 / 0 / 1sec]
1-154-014	Keep Temp Rotation	Increment:LL2	ENG *	[0 to 999999999 / 0 / 1sec]
1-154	Keep Temp Rotation	Increment:MM	ENG *	[0 to 999999999 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 015				
1- 154 - 016	Keep Temp Rotation	Increment:HH	ENG *	[0 to 999999999 / 0 / 1sec]
1- 154 - 023	Keep Temp Rotation	Rotation Start Time 2:LL1	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KO R): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KO R): 390
1- 154 - 024	Keep Temp Rotation	Rotation Start Time 2:LL2	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KO R): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KO R): 390
1- 154 - 025	Keep Temp Rotation	Rotation Start Time 2:MM	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				(EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KOR): 390
1-154-026	Keep Temp Rotation	Rotation Start Time 2:HH	ENG *	[0 to 999999999 / * / 1sec] *MP C6503: 0 *MP C8003: 0 *Pro C5200S (NA): 50 *Pro C5200S (EU/AP/CHN/TWN/KOR): 390 *Pro C5210S (NA): 50 *Pro C5210S (EU/AP/CHN/TWN/KOR): 390
1-154-033	Keep Temp Rotation	Threshold:Operation Count:LL1	ENG *	[0 to 10000 / 0 / 1]
1-154-034	Keep Temp Rotation	Threshold:Operation Count::LL2	ENG *	[0 to 10000 / 0 / 1]
1-154-035	Keep Temp Rotation	Threshold:Operation Count::MM	ENG *	[0 to 10000 / 0 / 1]
1-154-036	Keep Temp Rotation	Threshold:Operation Count::HH	ENG *	[0 to 10000 / 0 / 1]
1-155	Job Cancel	Press Roller Temp	ENG *	[0 to 200 / 200 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-001				
1-161-003	Fusing Cleaning Web	Execute Takeup After Replacement	ENG	[0 to 1 / 0 / 1]
1-161-004	Fusing Cleaning Web	Duplex Takeup Cycle Adj	ENG *	[-75 to 0 / 0 / 1%]
1-162-010	Envelope: Slant Correction	Coef:k	ENG	[*1 to *2 / 0 / 1] *1 MP C6503: 0 *1 MP C8003: 0 *1 Pro C5200S: -30000 *1 Pro C5210S: -30000 *2 MP C6503: 0 *2 MP C8003: 0 *2 Pro C5200S: 30000 *2 Pro C5210S: 30000
1-162-011	Envelope: Slant Correction	Coef:l	ENG	[*1 to *2 / 0 / 1] *1 MP C6503: 0 *1 MP C8003: 0 *1 Pro C5200S: -30000 *1 Pro C5210S: -30000 *2 MP C6503: 0 *2 MP C8003: 0 *2 Pro C5200S: 30000 *2 Pro C5210S: 30000
1-162-012	Envelope: Slant Correction	Constant Term:m	ENG	[*1 to *2 / 0 / 1] *1 MP C6503: 0 *1 MP C8003: 0 *1 Pro C5200S: -30000 *1 Pro C5210S: -30000 *2 MP C6503: 0 *2 MP C8003: 0 *2 Pro C5200S: 30000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*2 Pro C5210S: 30000
1-162-013	Envelope: Slant Correction	Min Rotation Time	ENG	[0 to 10000 / 0 / 1msec]
1-162-014	Envelope: Slant Correction	Max Rotation Time	ENG	[0 to 10000 / 10000 / 1msec]
1-162-101	Envelope Nip Width Slant Corr.	Nip Width 1	ENG	[0 to 1 / 0 / 0.01mm]
1-162-102	Envelope Nip Width Slant Corr.	Nip Width 2	ENG	[0 to 1 / 0 / 0.01mm]
1-162-103	Envelope Nip Width Slant Corr.	Nip Width 3	ENG	[0 to 1 / 0 / 0.01mm]

SP Group 1000-04

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-163-001	Depressure: Envelope	Change Judging Method	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1
1-163-004	Depressure: Envelope	Current Nip Width	ENG	[0 to 20000 / 0 / 1um]
1-163-005	Depressure: Envelope	Nip Width Lower Limit	ENG	[0 to 20000 / 0 / 1um]
1-163-006	Depressure: Envelope	Sensor7 Correction Temperature	ENG	[-100 to 100 / 0 / 1deg]
1-163-010	Depressure: Envelope	Nip Width Adj. Pattern:Room Temp:PaperThick6	ENG	[1 to 5 / 1 / 1]
1-163-011	Depressure: Envelope	Nip Width Adj. Pattern:Room Temp:PaperThick7	ENG	[1 to 5 / 1 / 1]
1-163-012	Depressure: Envelope	Nip Width Adj. Pattern:Room Temp:PaperThick8	ENG	[1 to 5 / 1 / 1]
1-163-013	Depressure: Envelope	Nip Width Adj. Pattern:Low Temp:PaperThick6	ENG	[1 to 5 / 1 / 1]
1-	Depressure: Envelope	Nip Width Adj. Pattern:Low	ENG	[1 to 5 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163-014		Temp:PaperThick7		
1-163-015	Depressure: Envelope	Nip Width Adj. Pattern:Low Temp:PaperThick8	ENG	[1 to 5 / 1 / 1]
1-163-031	Depressure: Envelope	Sensor Temperature Threshold.:T1	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 60 *Pro C5210S: 60
1-163-032	Depressure: Envelope	Sensor Temperature Threshold.:T2	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 75 *Pro C5210S: 75
1-163-033	Depressure: Envelope	Sensor Temperature Threshold.:T3	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 80 *Pro C5210S: 80
1-163-034	Depressure: Envelope	Sensor Temperature Threshold.:T4	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 85 *Pro C5210S: 85
1-163-035	Depressure: Envelope	Sensor Temperature Threshold.:T5	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 90 *Pro C5210S: 90
1-163-036	Depressure: Envelope	Sensor Temperature Threshold.:T6	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 95

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 95
1-163-037	Depressure: Envelope	Sensor Temperature Threshold.:T7	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 100 *Pro C5210S: 100
1-163-040	Depressure: Envelope	Sensor Temperature Threshold.:T1_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 60 *Pro C5210S: 60
1-163-041	Depressure: Envelope	Sensor Temperature Threshold.:T2_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 75 *Pro C5210S: 75
1-163-042	Depressure: Envelope	Sensor Temperature Threshold.:T3_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 80 *Pro C5210S: 80
1-163-043	Depressure: Envelope	Sensor Temperature Threshold.:T4_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 85 *Pro C5210S: 85
1-163-044	Depressure: Envelope	Sensor Temperature Threshold.:T5_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 90 *Pro C5210S: 90
1-163-045	Depressure: Envelope	Sensor Temperature Threshold.:T6_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 95 *Pro C5210S: 95

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-163-046	Depressure: Envelope	Sensor Temperature Threshold.:T7_LL	ENG	[0 to 240 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 100 *Pro C5210S: 100
1-163-050	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div1	ENG	[0 to 240 / 0 / 1deg]
1-163-051	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div2	ENG	[0 to 240 / 0 / 1deg]
1-163-052	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div3	ENG	[0 to 240 / 0 / 1deg]
1-163-053	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div4	ENG	[0 to 240 / 0 / 1deg]
1-163-054	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div5	ENG	[0 to 240 / 0 / 1deg]
1-163-055	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div6	ENG	[0 to 240 / 0 / 1deg]
1-163-056	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div7	ENG	[0 to 240 / 0 / 1deg]
1-163-	Depressure: Envelope	ExclusionTimeEnd:TempDiff:RoomTemp:Div8	ENG	[0 to 240 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
057				
1-163-060	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1sec]
1-163-061	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div2	ENG	[0 to 20000 / 0 / 1sec]
1-163-062	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div3	ENG	[0 to 20000 / 0 / 1sec]
1-163-063	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div4	ENG	[0 to 20000 / 0 / 1sec]
1-163-064	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div5	ENG	[0 to 20000 / 0 / 1sec]
1-163-065	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div6	ENG	[0 to 20000 / 0 / 1sec]
1-163-066	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div7	ENG	[0 to 20000 / 0 / 1sec]
1-163-067	Depressure: Envelope	ExclusionTimeEnd:Timeout:RoomTemp:Div8	ENG	[0 to 20000 / 0 / 1sec]
1-163-	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div1	ENG	[0 to 240 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070				
1-163-071	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div2	ENG	[0 to 240 / 0 / 1deg]
1-163-072	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div3	ENG	[0 to 240 / 0 / 1deg]
1-163-073	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div4	ENG	[0 to 240 / 0 / 1deg]
1-163-074	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div5	ENG	[0 to 240 / 0 / 1deg]
1-163-075	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div6	ENG	[0 to 240 / 0 / 1deg]
1-163-076	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div7	ENG	[0 to 240 / 0 / 1deg]
1-163-077	Depressure: Envelope	ExclusionTimeEnd:TempDiff:LowTemp:Div8	ENG	[0 to 240 / 0 / 1deg]
1-163-080	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1sec]
1-163-	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div2	ENG	[0 to 20000 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
081				
1-163-082	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div3	ENG	[0 to 20000 / 0 / 1sec]
1-163-083	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div4	ENG	[0 to 20000 / 0 / 1sec]
1-163-084	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div5	ENG	[0 to 20000 / 0 / 1sec]
1-163-085	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div6	ENG	[0 to 20000 / 0 / 1sec]
1-163-086	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div7	ENG	[0 to 20000 / 0 / 1sec]
1-163-087	Depressure: Envelope	ExclusionTimeEnd:Timeout:LowTemp:Div8	ENG	[0 to 20000 / 0 / 1sec]
1-163-101	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-163-102	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 103				*MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 104	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 105	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 106	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 107	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 108	Depressure: Envelope	Press Pos. Adj. Pattern1:RoomTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 111	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1- 163 - 112	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 435
1-163-113	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-114	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-115	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-116	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-117	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-118	Depressure: Envelope	Press Pos. Adj. Pattern2:RoomTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-121	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-	Depressure: Envelope	Press Pos. Adj.	ENG	[0 to 20000 / * / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163 - 122		Pattern3:RoomTemp:Div2		*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 123	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 124	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 125	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 126	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 127	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 128	Depressure: Envelope	Press Pos. Adj. Pattern3:RoomTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 131				
1- 163 - 132	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 133	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 134	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 135	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 136	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 137	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 138	Depressure: Envelope	Press Pos. Adj. Pattern4:RoomTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 145
1-163-141	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-163-142	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-143	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-144	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-145	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-146	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-147	Depressure: Envelope	Press Pos. Adj. Pattern5:RoomTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-	Depressure: Envelope	Press Pos. Adj.	ENG	[0 to 20000 / * / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163 - 148		Pattern5:RoomTemp:Div8		*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 150	Depressure: Envelope	Re-Press Pos. Adj. :ON/OFF	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1- 163 - 151	Depressure: Envelope	Keep posiotion Temp.:Mid:1	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 152	Depressure: Envelope	Keep posiotion Temp.:Mid:2	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 153	Depressure: Envelope	Keep posiotion Temp.:Mid:3	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 154	Depressure: Envelope	Keep posiotion Temp.:Mid:4	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 155	Depressure: Envelope	Keep posiotion Temp.:Mid:5	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 156	Depressure: Envelope	Keep posiotion Temp.:Mid:6	ENG	[0 to 20000 / 0 / 1deg]
1- 163 - 157	Depressure: Envelope	Keep posiotion Temp.:Mid:7	ENG	[0 to 20000 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-163-158	Depressure: Envelope	Keep position Temp.:Mid:8	ENG	[0 to 20000 / 0 / 1deg]
1-163-161	Depressure: Envelope	Keep position Temp.:Low:1	ENG	[0 to 20000 / 0 / 1deg]
1-163-162	Depressure: Envelope	Keep position Temp.:Low:2	ENG	[0 to 20000 / 0 / 1deg]
1-163-163	Depressure: Envelope	Keep position Temp.:Low:3	ENG	[0 to 20000 / 0 / 1deg]
1-163-164	Depressure: Envelope	Keep position Temp.:Low:4	ENG	[0 to 20000 / 0 / 1deg]
1-163-165	Depressure: Envelope	Keep position Temp.:Low:5	ENG	[0 to 20000 / 0 / 1deg]
1-163-166	Depressure: Envelope	Keep position Temp.:Low:6	ENG	[0 to 20000 / 0 / 1deg]
1-163-167	Depressure: Envelope	Keep position Temp.:Low:7	ENG	[0 to 20000 / 0 / 1deg]
1-163-168	Depressure: Envelope	Keep position Temp.:Low:8	ENG	[0 to 20000 / 0 / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-163-201	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-163-202	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-203	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-204	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-205	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-206	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-207	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163	Depressure: Envelope	Press Pos. Adj. Pattern1:LowTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 208				*MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 211	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1- 163 - 212	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 213	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 214	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 215	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 216	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 217	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 145
1-163-218	Depressure: Envelope	Press Pos. Adj. Pattern2:LowTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-221	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-163-222	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-223	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-224	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-225	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-226	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-	Depressure: Envelope	Press Pos. Adj.	ENG	[0 to 20000 / * / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163 - 227		Pattern3:LowTemp:Div7		*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 228	Depressure: Envelope	Press Pos. Adj. Pattern3:LowTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 231	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1- 163 - 232	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 233	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1- 163 - 234	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 - 235	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1- 163 -	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
236				*Pro C5200S: 145 *Pro C5210S: 145
1-163-237	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-238	Depressure: Envelope	Press Pos. Adj. Pattern4:LowTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-241	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div1	ENG	[0 to 20000 / 0 / 1um]
1-163-242	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div2	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-243	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div3	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 435 *Pro C5210S: 435
1-163-244	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div4	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-245	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div5	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-163-246	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div6	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-247	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div7	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-163-248	Depressure: Envelope	Press Pos. Adj. Pattern5:LowTemp:Div8	ENG	[0 to 20000 / * / 1um] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 145 *Pro C5210S: 145
1-302-001	Dbl-Feed Detect	Tray1 (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-] 0: OFF 1: ON
1-302-002	Dbl-Feed Detect	Tray2 (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-] 0: OFF 1: ON
1-302-003	Dbl-Feed Detect	Tray3 (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-] 0: OFF 1: ON
1-302-004	Dbl-Feed Detect	Tray4 (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-] 0: OFF 1: ON
1-302-005	Dbl-Feed Detect	LCT (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-] 0: OFF 1: ON
1-	Dbl-Feed Detect	Bypass Tray (0: OFF / 1: ON)	ENG	[0 to 1 / 1 / 1-]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
302 - 006				0: OFF 1: ON
1- 305 - 001	Dbl-Feed Comp Std Value	Tray1:LAST	ENG	[0 to 2000 / 0 / 1um] 0: OFF 1: ON
1- 305 - 002	Dbl-Feed Comp Std Value	Tray1:LAST2	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 003	Dbl-Feed Comp Std Value	Tray1:LAST3	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 004	Dbl-Feed Comp Std Value	Tray2:LAST	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 005	Dbl-Feed Comp Std Value	Tray2:LAST2	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 006	Dbl-Feed Comp Std Value	Tray2:LAST3	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 007	Dbl-Feed Comp Std Value	Tray3:LAST	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 008	Dbl-Feed Comp Std Value	Tray3:LAST2	ENG	[0 to 2000 / 0 / 1um]
1-	Dbl-Feed Comp Std Value	Tray3:LAST3	ENG	[0 to 2000 / 0 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
305 - 009				
1- 305 - 010	Dbl-Feed Comp Std Value	Tray4:LAST	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 011	Dbl-Feed Comp Std Value	Tray4:LAST2	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 012	Dbl-Feed Comp Std Value	Tray4:LAST3	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 013	Dbl-Feed Comp Std Value	LCT:LAST	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 014	Dbl-Feed Comp Std Value	LCT:LAST2	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 015	Dbl-Feed Comp Std Value	LCT:LAST3	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 016	Dbl-Feed Comp Std Value	Bypass Tray:LAST	ENG	[0 to 2000 / 0 / 1um]
1- 305 - 017	Dbl-Feed Comp Std Value	Bypass Tray:LAST2	ENG	[0 to 2000 / 0 / 1um]
1-	Dbl-Feed Comp Std Value	Bypass Tray:LAST3	ENG	[0 to 2000 / 0 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
305 - 018				
1- 306 - 001	Paper Thickness Sensor Cal	Average	ENG *	[-2000 to 2000 / 0 / 1um]
1- 306 - 002	Paper Thickness Sensor Cal	Maximum	ENG *	[-2000 to 2000 / 0 / 1um]
1- 306 - 003	Paper Thickness Sensor Cal	Minimum	ENG *	[-2000 to 2000 / 0 / 1um]
1- 306 - 004	Paper Thickness Sensor Cal	Bypass Tray:Ave	ENG *	[-2000 to 2000 / 0 / 1um]
1- 306 - 005	Paper Thickness Sensor Cal	Bypass Tray:Max	ENG *	[-2000 to 2000 / 0 / 1um]
1- 306 - 006	Paper Thickness Sensor Cal	Bypass Tray:Min	ENG *	[-2000 to 2000 / 0 / 1um]
1- 309 - 001	Dbl-Feed Detect Times	Tray1	ENG	[0 to 65535 / 0 / 1]
1- 309 - 002	Dbl-Feed Detect Times	Tray2	ENG	[0 to 65535 / 0 / 1]
1-	Dbl-Feed Detect Times	Tray3	ENG	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
309 - 003				
1- 309 - 004	Dbl-Feed Detect Times	Tray4	ENG	[0 to 65535 / 0 / 1]
1- 309 - 005	Dbl-Feed Detect Times	LCT	ENG	[0 to 65535 / 0 / 1]
1- 309 - 006	Dbl-Feed Detect Times	Bypass Tray	ENG	[0 to 65535 / 0 / 1]
1- 311 - 001	Paper Thikness Error Times	Tray1	ENG	[0 to 65535 / 0 / 1]
1- 311 - 002	Paper Thikness Error Times	Tray2	ENG	[0 to 65535 / 0 / 1]
1- 311 - 003	Paper Thikness Error Times	Tray3	ENG	[0 to 65535 / 0 / 1]
1- 311 - 004	Paper Thikness Error Times	Tray4	ENG	[0 to 65535 / 0 / 1]
1- 311 - 005	Paper Thikness Error Times	LCT	ENG	[0 to 65535 / 0 / 1]
1-	Paper Thikness Error Times	Bypass Tray	ENG	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
311 - 006				
1- 313 - 001	Paper Thikness Detect	Tray1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 313 - 002	Paper Thickness Detect	Tray2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 313 - 003	Paper Thickness Detect	Tray3	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 313 - 004	Paper Thickness Detect	Tray4	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 313 - 005	Paper Thickness Detect	LCT	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 313 - 006	Paper Thickness Detect	Bypass Tray	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1- 318 - 001	Paper Thick Detect Max Value	Coated Paper:Thick1-Thick6	ENG *	[50 to 1500 / 500 / 1um]
1- 318 - 002	Paper Thick Detect Max Value	Coated Paper:Thick7-Thick9	ENG *	[50 to 1500 / 700 / 1um]
1-	Coated Paper Setting	Tray2	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
320 - 001				0: OFF 1: ON
1- 320 - 002	Coated Paper Setting	Tray3	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1- 320 - 003	Coated Paper Setting	Tray4	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1- 601 - 001	Dup:RollerShift12:MoveFineAdj	Tray1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 601 - 002	Dup:RollerShift12:MoveFineAdj	Tray2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 601 - 003	Dup:RollerShift12:MoveFineAdj	Tray3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 601 - 004	Dup:RollerShift12:MoveFineAdj	Tray4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 601 - 005	Dup:RollerShift12:MoveFineAdj	Bypass Tray	ENG	[-3 to 3 / 0 / 0.1mm]
1- 601 - 006	Dup:RollerShift12:MoveFineAdj	LCT	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift1:MoveFine	Plain:Thin	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
602 - 001	Adj			
1- 602 - 002	Dup:RollerShift1:MoveFine Adj	Plain:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 003	Dup:RollerShift1:MoveFine Adj	Plain:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 004	Dup:RollerShift1:MoveFine Adj	Plain:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 005	Dup:RollerShift1:MoveFine Adj	Plain:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 006	Dup:RollerShift1:MoveFine Adj	Plain:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 007	Dup:RollerShift1:MoveFine Adj	Plain:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 008	Dup:RollerShift1:MoveFine Adj	Plain:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 009	Dup:RollerShift1:MoveFine Adj	Matte:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift1:MoveFine	Matte:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
602 - 010	Adj			
1-602 - 011	Dup:RollerShift1:MoveFine Adj	Matte:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 012	Dup:RollerShift1:MoveFine Adj	Matte:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 013	Dup:RollerShift1:MoveFine Adj	Matte:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 014	Dup:RollerShift1:MoveFine Adj	Matte:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 015	Dup:RollerShift1:MoveFine Adj	Matte:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 016	Dup:RollerShift1:MoveFine Adj	Glossy:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 017	Dup:RollerShift1:MoveFine Adj	Glossy:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]
1-602 - 018	Dup:RollerShift1:MoveFine Adj	Glossy:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift1:MoveFine	Glossy:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
602 - 019	Adj			
1- 602 - 020	Dup:RollerShift1:MoveFine Adj	Glossy:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 021	Dup:RollerShift1:MoveFine Adj	Glossy:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 602 - 022	Dup:RollerShift1:MoveFine Adj	Glossy:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 001	Dup:RollerShift2:MoveFine Adj	Plain:Thin	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 002	Dup:RollerShift2:MoveFine Adj	Plain:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 003	Dup:RollerShift2:MoveFine Adj	Plain:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 004	Dup:RollerShift2:MoveFine Adj	Plain:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 005	Dup:RollerShift2:MoveFine Adj	Plain:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift2:MoveFine	Plain:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
603 - 006	Adj			
1- 603 - 007	Dup:RollerShift2:MoveFine Adj	Plain:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 008	Dup:RollerShift2:MoveFine Adj	Plain:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 009	Dup:RollerShift2:MoveFine Adj	Matte:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 010	Dup:RollerShift2:MoveFine Adj	Matte:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 011	Dup:RollerShift2:MoveFine Adj	Matte:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 012	Dup:RollerShift2:MoveFine Adj	Matte:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 013	Dup:RollerShift2:MoveFine Adj	Matte:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 014	Dup:RollerShift2:MoveFine Adj	Matte:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift2:MoveFine	Matte:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
603 - 015	Adj			
1- 603 - 016	Dup:RollerShift2:MoveFine Adj	Glossy:Plain1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 017	Dup:RollerShift2:MoveFine Adj	Glossy:Plain2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 018	Dup:RollerShift2:MoveFine Adj	Glossy:Mid-Thick	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 019	Dup:RollerShift2:MoveFine Adj	Glossy:Thick1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 020	Dup:RollerShift2:MoveFine Adj	Glossy:Thick2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 021	Dup:RollerShift2:MoveFine Adj	Glossy:Thick3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 603 - 022	Dup:RollerShift2:MoveFine Adj	Glossy:Thick4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 604 - 001	Dup:RollerShift1:MoveData: 1	LAST	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:RollerShift1:MoveData:	LAST1	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
604 - 002	2			
1- 604 - 003	Dup:RollerShift1:MoveData: 3	LAST2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 604 - 004	Dup:RollerShift1:MoveData: 4	LAST3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 604 - 005	Dup:RollerShift1:MoveData: 5	LAST4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 605 - 001	Dup:RollerShift2:MoveData: 1	LAST	ENG	[-3 to 3 / 0 / 0.1mm]
1- 605 - 002	Dup:RollerShift2:MoveData: 2	LAST1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 605 - 003	Dup:RollerShift2:MoveData: 3	LAST2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 605 - 004	Dup:RollerShift2:MoveData: 4	LAST3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 605 - 005	Dup:RollerShift2:MoveData: 5	LAST4	ENG	[-3 to 3 / 0 / 0.1mm]
1-	Dup:EdgeDetectSn:Measure	LAST	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
606 - 001	Data:1			
1- 606 - 002	Dup:EdgeDetectSn:Measure Data:2	LAST1	ENG	[-3 to 3 / 0 / 0.1mm]
1- 606 - 003	Dup:EdgeDetectSn:Measure Data:3	LAST2	ENG	[-3 to 3 / 0 / 0.1mm]
1- 606 - 004	Dup:EdgeDetectSn:Measure Data:4	LAST3	ENG	[-3 to 3 / 0 / 0.1mm]
1- 606 - 005	Dup:EdgeDetectSn:Measure Data:5	LAST4	ENG	[-3 to 3 / 0 / 0.1mm]
1- 607 - 001	Dup:RollerShift:Disable	Tray1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 002	Dup:RollerShift:Disable	Tray2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 003	Dup:RollerShift:Disable	Tray3	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 004	Dup:RollerShift:Disable	Tray4	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1-	Dup:RollerShift:Disable	Bypass Tray	ENG	[0 to 1 / 0 / 1-]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
607 - 005				0: OFF 1: ON
1- 607 - 006	Dup:RollerShift:Disable	LCT	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 007	Dup:RollerShift:Disable	Plain:Thin	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 008	Dup:RollerShift:Disable	Plain:Plain1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 009	Dup:RollerShift:Disable	Plain:Plain2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 010	Dup:RollerShift:Disable	Plain:Mid-Thick	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 011	Dup:RollerShift:Disable	Plain:Thick1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 012	Dup:RollerShift:Disable	Plain:Thick2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 013	Dup:RollerShift:Disable	Plain:Thick3	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1-	Dup:RollerShift:Disable	Plain:Thick4	ENG	[0 to 1 / 0 / 1-]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
607 - 014				0: OFF 1: ON
1- 607 - 015	Dup:RollerShift:Disable	Matte:Plain1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 016	Dup:RollerShift:Disable	Matte:Plain2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 017	Dup:RollerShift:Disable	Matte:Mid-Thick	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 018	Dup:RollerShift:Disable	Matte:Thick1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 019	Dup:RollerShift:Disable	Matte:Thick2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 020	Dup:RollerShift:Disable	Matte:Thick3	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 021	Dup:RollerShift:Disable	Matte:Thick4	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 022	Dup:RollerShift:Disable	Glossy:Plain1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1-	Dup:RollerShift:Disable	Glossy:Plain2	ENG	[0 to 1 / 0 / 1-]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
607 - 023				0: OFF 1: ON
1- 607 - 024	Dup:RollerShift:Disable	Glossy:Mid-Thick	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 025	Dup:RollerShift:Disable	Glossy:Thick1	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 026	Dup:RollerShift:Disable	Glossy:Thick2	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 027	Dup:RollerShift:Disable	Glossy:Thick3	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 607 - 028	Dup:RollerShift:Disable	Glossy:Thick4	ENG	[0 to 1 / 0 / 1-] 0: OFF 1: ON
1- 902 - 001	Fusing Web Setting	Web Consumption	ENG *	[0 to 107 / 0 / 1]
1- 902 - 002	Fusing Web Setting	Std Spd Rotation Interval	ENG *	[3.6 to 130 / * / 0.1sec] *MP C6503: 15.1 *MP C8003: 15.1 *Pro C5200S: 18.6 *Pro C5210S: 15.1
1- 902 -	Fusing Web Setting	Web Motor Rotation Time	ENG *	[0.3 to 3.5 / 2.8 / 0.1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
1-902-004	Fusing Web Setting	Web Near End Setting	ENG *	[50 to 100 / 81 / 1%]
1-902-005	Fusing Web Setting	Web End Recording	ENG *	[0 to 1 / 0 / 1]
1-902-006	Fusing Web Setting	Web Near End/End Clear	ENG	[0 to 1 / 0 / 1]
1-902-007	Fusing Web Setting	Correction Coeff	ENG *	[0 to 2 / 1.19 / 0.01]
1-902-008	Fusing Web Setting	Takeup Rotations After Jam	ENG *	[0 to 30 / 10 / 1]
1-902-009	Fusing Web Setting	Consumption Formula Denominator	ENG *	[0 to 100000 / 1180 / 1]
1-902-010	Fusing Web Setting	Sequence for Each Reload	ENG *	[0 to 30 / 3.5 / 0.1sec]
1-902-011	Fusing Web Setting	Rotations After Cold Start	ENG *	[0 to 30 / 10 / 1]
1-902-	Fusing Web Setting	Fixed Rotation Time 1	ENG *	[40 to 60 / 48 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
1-902-013	Fusing Web Setting	Fixed Rotation Time 2	ENG *	[61 to 120 / 62 / 1%]
1-902-014	Fusing Web Setting	Rotation Intervals: Mid Speed	ENG *	[3.6 to 130 / * / 0.1sec] *MP C6503: 26.6 *MP C8003: 21.6 *Pro C5200S: 26.6 *Pro C5210S: 21.6
1-902-015	Fusing Web Setting	Operation Intervals: MidLow Speed	ENG *	[3.6 to 130 / 28.2 / 0.1sec]
1-902-016	Fusing Web Setting	Rotation Intervals: Low Speed	ENG *	[3.6 to 130 / * / 0.1sec] *MP C6503: 41.3 *MP C8003: 33.6 *Pro C5200S: 41.3 *Pro C5210S: 33.6
1-902-017	Fusing Web Setting	Rotation Frequency	ENG *	[1 to 1000 / 250 / 1]
1-902-018	Fusing Web Setting	Fixed Rotation Time	ENG *	[0 to 25.5 / 0.9 / 0.1sec]
1-902-019	Fusing Web Setting	Takeup Rotation Time After Replacement	ENG *	[5 to 70 / 10 / 1]
1-902-	Fusing Web Setting	Web Counter Clear Recording	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
1-902 - 101	Cleaning Web Pressure Setting	Web pressure delay time	ENG *	[0 to 5000 / 500 / 1msec]
1-902 - 103	Cleaning Web Pressure Setting	Take up rotation time at pressure	ENG *	[0 to 30 / 0 / 1]
1-902 - 104	Cleaning Web Pressure Setting	Take up rotation time at depressure	ENG *	[0 to 30 / 0 / 1]
1-902 - 151	Cleaning Web Pressure Setting	Correction time2	ENG *	[0 to 5000 / 0 / 1msec]
1-902 - 152	Cleaning Web Pressure Setting	Correction time3	ENG *	[0 to 5000 / 0 / 1msec]
1-902 - 153	Cleaning Web Pressure Setting	Correction time4	ENG *	[0 to 5000 / 0 / 1msec]
1-902 - 161	Cleaning Web Pressure Setting	Pressure time1	ENG *	[0 to 5000 / 0 / 1msec]
1-902 - 162	Cleaning Web Pressure Setting	Pressure time2	ENG *	[0 to 5000 / 0 / 1msec]
1-902 - -	Cleaning Web Pressure Setting	Pressure time3	ENG *	[0 to 5000 / 1143 / 1msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163				
1-902 - 164	Cleaning Web Pressure Setting	Pressure time4	ENG *	[0 to 5000 / 1224 / 1msec]
1-902 - 165	Cleaning Web Pressure Setting	Depressure time	ENG *	[0 to 5000 / 10 / 1msec]
1-902 - 167	Fusing Belt Smoothing Roller	Refresh Fusing Web Motor Operation Time	ENG	[3.6 to 540 / * / 0.1sec] *MP C6503 (NA): 51 *MP C6503 (EU/AP/CHN/KOR): 52 *MP C6503 (TWN): 53 *MP C8003 (NA): 55 *MP C8003 (EU/AP/CHN/KOR): 56 *MP C8003 (TWN): 57 *Pro C5200S (NA): 59 *Pro C5200S (EU/AP/CHN/TWN/KOR): 51 *Pro C5210S: 51
1-902 - 168	Fusing Belt Smoothing Roller	Refresh Depressure Time	ENG	[0 to 5000 / 1600 / 1msec]
1-902 - 169	Fusing Belt Smoothing Roller	Refresh T-up rotation at depressure	ENG	[0 to 30 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-902-170	Fusing Belt Smoothing Roller	Refresh Press Judge	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
1-903-001	Web Counter	Web Total Page Counter	ENG *	[0 to 999999999 / 0 / 1sec]
1-903-002	Web Counter	Web Motor Rotation Time	ENG *	[0 to 25.5 / 2.8 / 0.1sec]
1-903-003	Web Counter	Rotation Interval Count	ENG *	[0 to 130 / 0 / 1sec]
1-903-004	Web Counter	Total Rotation Times	ENG *	[0 to 999999999 / 0 / 1Cycle]
1-904-001	Fusing unit replacement	As a set of Fusing unit and Web	ENG *	[0 to 1 / 1 / 1] 0: OFF 1: ON
1-907-001	Exit Tray Full Detection	0: OFF / 1: ON	ENG *	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-909-001	Retract Pos Force Exit Op	0: OFF / 1: NORMAL / 2: PURGE	ENG	[0 to 2 / 2 / 1-] 0: OFF 1: NORMAL 2: PURGE
1-918-001	Bypass Paper Size Detect	Switch LT SEF/LG SEF	ENG *	[0 to 1 / 0 / 1-] 0: LT SEF 1: LG SEF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-920-001	LCT Tray Fan DUTY Adj	A3LCT	ENG	[10 to 100 / 500 / 10%]
1-921-001	LCT Fan Start Time Setting	A3LCT	ENG	[1 to 10 / 3 / 1sec]
1-922-001	LCT Tray Fan ON/OFF	A3LCT	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-001	LCT Pickup Assist ON/OFF	A3LCT	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-932-001	Buffer Pass Unit	Stand-by Setting	ENG	[0 to 60 / 1 / 1min]
1-932-002	Buffer Pass Unit	Fan Drive Setting	ENG	[0 to 5 / 2 / 1] 0: Fan on for all paper weight 1: Fan on from paper weight 3 2: Fan on from paper weight 4 3: Fan on from paper weight 5 4: Fan on from paper weight 6 5: Fan off for all paper weight
1-932-	Buffer Pass Unit	Transport Motor 1:Speed Adj.	ENG	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
1-932-004	Buffer Pass Unit	Transport Motor 2:Speed Adj.	ENG	[-3 to 3 / 0 / 0.1%]
1-933-001	Adj Feed Mtr Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-933-002	Adj Feed Mtr Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-933-003	Adj Feed Mtr Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-933-004	Adj Feed Mtr Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-933-005	Adj Feed Mtr Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-934-001	Adj Transport Mtr Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-934-002	Adj Transport Mtr Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-934-	Adj Transport Mtr Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
1-934-004	Adj Transport Mtr Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-934-005	Adj Transport Mtr Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-935-001	Adj Feed Bypass Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-935-002	Adj Feed Bypass Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-935-003	Adj Feed Bypass Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-935-004	Adj Feed Bypass Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-935-005	Adj Feed Bypass Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-936-001	Adj Relay Mtr CW Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-936-	Adj Relay Mtr CW Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-936-003	Adj Relay Mtr CW Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-936-004	Adj Relay Mtr CW Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-936-005	Adj Relay Mtr CW Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-937-001	Adj Relay Mtr CCW Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-937-002	Adj Relay Mtr CCW Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-937-003	Adj Relay Mtr CCW Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-937-004	Adj Relay Mtr CCW Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-937-005	Adj Relay Mtr CCW Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-938-	Adj Registration Mtr Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
1-938-002	Adj Registration Mtr Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-938-003	Adj Registration Mtr Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-938-004	Adj Registration Mtr Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-938-005	Adj Registration Mtr Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-939-001	Adj Duplx Exit Mtr Spd:Env	Env Coeff:LL	ENG	[-3 to 3 / 0.1 / 0.1%]
1-939-002	Adj Duplx Exit Mtr Spd:Env	Env Coeff:ML	ENG	[-3 to 3 / 0 / 0.1%]
1-939-003	Adj Duplx Exit Mtr Spd:Env	Env Coeff:MM	ENG	[-3 to 3 / 0 / 0.1%]
1-939-004	Adj Duplx Exit Mtr Spd:Env	Env Coeff:MH	ENG	[-3 to 3 / -0.1 / 0.1%]
1-939-	Adj Duplx Exit Mtr Spd:Env	Env Coeff:HH	ENG	[-3 to 3 / -0.1 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
1-940-001	Fan Cooling Time Set	Development Suction Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-002	Fan Cooling Time Set	Development Suction Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-003	Fan Cooling Time Set	Development Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-004	Fan Cooling Time Set	Heatsink Suction Fan & Heatsink Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-005	Fan Control	IH Cooling Fan Exec Time Thres	ENG *	[0 to 900 / 0 / 1sec]
1-940-006	Fan Cooling Time Set	Fusing & Paper Exhaust Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-007	Fan Cooling Time Set	Belt Cleaning Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-008	Fan Cooling Time Set	IH Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-	Fan Cooling Time Set	IH & Belt Cleaning Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
1-940-010	Fan Cooling Time Set	IH Power Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-011	Fan Cooling Time Set	Controller Exhaust Fan,PSU Fan:Right, Left	ENG *	[0 to 120 / 0 / 0.1min]
1-940-012	Fan Cooling Time Set	Imaging Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-013	Fan Cooling Time Set	Duplex Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-014	Fan Cooling Time Set	Drive Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-015	Fan Cooling Time Set	Paper Cooling HP Fan,PTR Cooling Fan:F,R	ENG *	[0 to 120 / 0 / 0.1min]
1-940-016	Fan Cooling Time Set	Ozone Exhaust Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-017	Fan Cooling Time Set	ITB Motor Cooling Fan	ENG *	[0 to 120 / 0 / 0.1min]
1-940-	Fan Cooling Time Set	ID Sensor Cleaning Fan	ENG *	[0 to 120 / 0 / 0.1min]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
1-941-001	Fan Start Time Set	Development Suction Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-002	Fan Start Time Set	Development Suction Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-003	Fan Start Time Set	Development Exhaust Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-004	Fan Start Time Set	Heatsink Suction Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-005	Fan Start Time Set	Heatsink Exhaust Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-006	Fan Start Time Set	Fusing & Paper Exit Exhaust Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-007	Fan Start Time Set	Belt Cleaning Cooling Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-008	Fan Start Time Set	IH Cooling Fan	ENG *	[0 to 900 / 0 / 1sec]
1-941-	Fan Start Time Set	IH & Belt Cleaning Exhaust Fan	ENG *	[0 to 900 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
1-941-010	Fan Start Time Set	IH Power Cooling Fan	ENG *	[0 to 900 / 0 / 1sec]
1-941-011	Fan Start Time Set	Controller Exhaust Fan,PSU Fan:Right, Left	ENG *	[0 to 900 / 120 / 1sec]
1-941-012	Fan Start Time Set	Imaging Cooling Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-013	Fan Start Time Set	Duplex Exhaust Fan	ENG *	[0 to 900 / 0 / 1sec]
1-941-014	Fan Start Time Set	Drive Exhaust Fan	ENG *	[0 to 900 / 0 / 1sec]
1-941-015	Fan Start Time Set	Paper Cooling HP Fan,PTR Cooling Fan:F,R	ENG *	[0 to 900 / 120 / 1sec]
1-941-016	Fan Start Time Set	Ozone Exhaust Fan	ENG *	[0 to 900 / 0 / 1sec]
1-941-017	Fan Start Time Set	ITB Motor Cooling Fan	ENG *	[0 to 900 / 120 / 1sec]
1-941-	Fan Start Time Set	P Sensor Cleaning Fan	ENG *	[0 to 900 / 120 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
1-942-001	Fan Control Off Mode Strt Time		ENG *	[0 to 60 / 10 / 1min]
1-943-001	Extra Fan Control	Operating State	ENG	[0 to 1 / 0 / 1]
1-943-002	Extra Fan Control	Start Temperature	ENG *	[0 to 100 / 40 / 0.1deg]
1-943-003	Extra Fan Control	Stop Temperature Threshold	ENG *	[0 to 100 / 1 / 0.1deg]
1-943-004	Extra Fan Control	Extra Fan Control ON/OFF Setting	ENG *	[0 to 1 / 1 / 1]
1-944-001	Fan Control	FanOperationSW Temp Thres.	ENG *	[0 to 100 / 2 / 0.1deg]
1-944-002	Fan Control	Imaging Fan Operation SW Temp	ENG *	[0 to 100 / 31 / 0.1deg]
1-944-003	Fan Control	DriveExhaustFan LowSpd OperationSW Temp	ENG *	[0 to 100 / 31 / 0.1deg]
1-944-	Fan Control	DriveExhaustFan MedSpd OperationSW Temp	ENG *	[0 to 100 / 37 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
1-944-005	Fan Control	DriveExhaustFan HiSpd OperationSW Temp	ENG *	[0 to 100 / 40 / 0.1deg]
1-944-006	Fan Control	DriveExhaustFan QuietOperation Duty	ENG *	[0 to 100 / 20 / 1%]
1-944-007	Fan Control	DriveExhaustFan LowSpd Operation Duty	ENG *	[0 to 100 / 70 / 1%]
1-944-008	Fan Control	DriveExhaustFan MedSpd Operation Duty	ENG *	[0 to 100 / 70 / 1%]
1-944-009	Fan Control	DriveExhaustFan HiSpd Operation Duty	ENG *	[0 to 100 / 70 / 1%]
1-944-010	Fan Control	FusingPaperExitFan LowSpd Operatn Duty	ENG *	[0 to 100 / 0 / 1%]
1-944-011	Fan Control	FusingPaperExitFan HiSped Operatn Duty	ENG *	[0 to 100 / 23 / 1%]
1-944-012	Fan Control	OzoneExhaustFan Operation Duty	ENG *	[0 to 100 / 32 / 1%]
1-945-	Set Cooling Operation	Machine Stop Counter	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
1-945-002	Set Cooling Operation	Machine Stop Temperature	ENG	[30 to 60 / * / 1deg] *MP C6503: 44 *MP C8003: 44 *Pro C5200S: 45 *Pro C5210S: 45
1-945-003	Set Cooling Operation	Recovery Temperature	ENG	[1 to 10 / 1 / 1deg]
1-945-006	Cooling Operation Set	Fan Op Off Temp: Y Thermistor	ENG *	[30 to 50 / 43 / 1deg]
1-945-007	Cooling Operation Set	Fan Op Off Time	ENG *	[0 to 60 / 50 / 5min]
1-946-001	Machine Stop control	ON/OFF	ENG	[0 to 1 / 1 / 1]
1-947-001	Extra Fan Control	Development Suction Fan/YM	ENG *	[0 to 2 / 1 / 1]
1-947-002	Extra Fan Control	Development Suction Fan/CK	ENG *	[0 to 1 / 1 / 1]
1-947-003	Extra Fan Control	Development Exhaust Fan/Right,Left	ENG *	[0 to 1 / 1 / 1]
1-947	Extra Fan Control	Heatsink Suction Fan	ENG *	[0 to 2 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 004				
1- 947 - 005	Extra Fan Control	Heatsink Exhaust Fan	ENG *	[0 to 2 / 1 / 1]
1- 947 - 006	Extra Fan Control	Fusing Paper Exit Exhaust Fan Duty	ENG *	[0 to 100 / 40 / 1%]
1- 947 - 007	Extra Fan Control	Belt Cleaning Suction Fan	ENG *	[0 to 2 / 1 / 1]
1- 947 - 008	Extra Fan Control	IH Cooling Fan	ENG *	[0 to 2 / 0 / 1]
1- 947 - 009	Extra Fan Control	Transfer Fusing Exhaust Fan	ENG *	[0 to 2 / 1 / 1]
1- 947 - 010	Extra Fan Control	IH Power Cooling Fan	ENG *	[0 to 2 / 0 / 1]
1- 947 - 011	Extra Fan Control	Controller Exhaust Fan,PSU Fan:Right, Left	ENG *	[0 to 1 / 0 / 1]
1- 947 - 012	Extra Fan Control	Imaging Cooling Fan/Right.Left	ENG *	[0 to 1 / 1 / 1]
1- 947	Extra Fan Control	Duplex Exhaust Fan/Front,Center,Rear	ENG *	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 013				
1- 947 - 014	Extra Fan Control	Drive Exhaust Fan/Left Duty	ENG *	[0 to 100 / 0 / 1%]
1- 947 - 015	Extra Fan Control	Paper Cooling HP Fan,PTR Cooling Fan:F,R	ENG *	[0 to 1 / 1 / 1]
1- 947 - 016	Extra Fan Control	Ozone Exhaust Fan Duty	ENG *	[0 to 100 / 0 / 1%]
1- 947 - 017	Extra Fan Control	ITB Motor Cooling Fan	ENG *	[0 to 1 / 0 / 1]
1- 947 - 018	Extra Fan Control	ID Sensor Cleaning Fan	ENG *	[0 to 1 / 1 / 1]
1- 984 - 109	Htg Roller Temp Setting	Uncoated Thick 5:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1- 984 - 110	Htg Roller Temp Setting	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1- 984 - 111	Htg Roller Temp Setting	Uncoated Thick 6:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 158
1-984-112	Htg Roller Temp Setting	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-125	Htg Roller Temp Setting	Matte Thick 5:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-126	Htg Roller Temp Setting	Matte Thick 5:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-127	Htg Roller Temp Setting	Matte Thick 6:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-128	Htg Roller Temp Setting	Matte Thick 6:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-141	Htg Roller Temp Setting	Glossy Thick 5:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-142	Htg Roller Temp Setting	Glossy Thick 5:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-984-143	Htg Roller Temp Setting	Glossy Thick 6:L Speed:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-144	Htg Roller Temp Setting	Glossy Thick 6:L Speed:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-145	Htg Roller Temp Setting	Textured:Thick1	ENG	[0 to 200 / * / 1deg] *MP C6503: 138 *MP C8003: 143 *Pro C5200S: 143 *Pro C5210S: 148
1-984-146	Htg Roller Temp Setting	Textured:Thick2	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 150 *Pro C5210S: 158
1-984-147	Htg Roller Temp Setting	Textured:Thick3	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-148	Htg Roller Temp Setting	Textured:Thick4	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-149	Htg Roller Temp Setting	Textured:Thick5	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-	Htg Roller Temp Setting	Textured:Thick6	ENG	[0 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
984 - 150				*MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 151	Htg Roller Temp Setting	Textured:Thick7	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 152	Htg Roller Temp Setting	Textured:Thick8	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 153	Htg Roller Temp Setting	Textured:Thick9	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 154	Htg Roller Temp Setting	Metallic/Perl:Thick3	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1- 984 - 155	Htg Roller Temp Setting	Metallic/Perl:Thick4	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 156	Htg Roller Temp Setting	Metallic/Perl:Thick5	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984	Htg Roller Temp Setting	Metallic/Perl:Thick6	ENG	[0 to 200 / * / 1deg] *MP C6503: 153

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 157				*MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 158	Htg Roller Temp Setting	Metallic/Perl:Thick7	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 159	Htg Roller Temp Setting	Metallic/Perl:Thick8	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 160	Htg Roller Temp Setting	Metallic/Perl:Thick9	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 - 161	Htg Roller Temp Setting	Synthetic:Thick2	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 150 *Pro C5210S: 158
1- 984 - 162	Htg Roller Temp Setting	Synthetic:Thick3	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1- 984 - 163	Htg Roller Temp Setting	Synthetic:Thick4	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1- 984 -	Htg Roller Temp Setting	Synthetic:Thick5	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
164				*Pro C5200S: 158 *Pro C5210S: 163
1-984-165	Htg Roller Temp Setting	Synthetic:Thick6	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-166	Htg Roller Temp Setting	Synthetic:Thick7	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-167	Htg Roller Temp Setting	Synthetic:Thick8	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-168	Htg Roller Temp Setting	Synthetic:Thick9	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-170	Htg Roller Temp Setting	Uncoated:Thick9:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154 *Pro C5210S: 154
1-984-171	Htg Roller Temp Setting	Uncoated:Thick9:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154 *Pro C5210S: 154
1-984-172	Htg Roller Temp Setting	Matte:Thick9:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 154
1-984-173	Htg Roller Temp Setting	Matte:Thick9:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154 *Pro C5210S: 154
1-984-174	Htg Roller Temp Setting	Glossy:Thick9:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154 *Pro C5210S: 154
1-984-175	Htg Roller Temp Setting	Glossy:Thick9:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 154 *Pro C5210S: 154
1-984-176	Htg Roller Temp Setting	Magnetic	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-177	Htg Roller Temp Setting	Plastic Folder	ENG	[0 to 200 / * / 1deg] *MP C6503: 153 *MP C8003: 158 *Pro C5200S: 158 *Pro C5210S: 163
1-984-180	Htg Roller Temp Setting	Textured:Thick5:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-181	Htg Roller Temp Setting	Textured:Thick6:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-984-182	Htg Roller Temp Setting	Metallic/Perl:Thick5:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-183	Htg Roller Temp Setting	Metallic/Perl:Thick6:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-184	Htg Roller Temp Setting	Synthetic:Thick5:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-185	Htg Roller Temp Setting	Synthetic:Thick6:L Speed	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1-984-201	Htg Roller Temp Setting	Plain:Uncoated:Thin/Thick1:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133 *Pro C5200S: 127 *Pro C5210S: 134
1-984-202	Htg Roller Temp Setting	Plain:Uncoated:Thin/Thick1:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133 *Pro C5200S: 127 *Pro C5210S: 134
1-984-203	Htg Roller Temp Setting	Plain:Uncoated:Plain1/Thick2:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-	Htg Roller Temp Setting	Plain:Uncoated:Plain1/Thick2:Bk	ENG	[0 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
984 - 204				*MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1- 984 - 205	Htg Roller Temp Setting	Plain:Uncoated:Plain2/Thick3:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1- 984 - 206	Htg Roller Temp Setting	Plain:Uncoated:Plain2/Thick3:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1- 984 - 207	Htg Roller Temp Setting	Plain:Uncoated:Mid-Thick/Thick4:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1- 984 - 208	Htg Roller Temp Setting	Plain:Uncoated:Mid-Thick/Thick4:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1- 984 - 209	Htg Roller Temp Setting	Plain:Uncoated:Thick1/Thick5:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143 *Pro C5210S: 150
1- 984 - 210	Htg Roller Temp Setting	Plain:Uncoated:Thick1/Thick5:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143 *Pro C5210S: 150
1- 984	Htg Roller Temp Setting	Plain:Uncoated:Thick2/Thick6:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 211				*MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1- 984 - 212	Htg Roller Temp Setting	Plain:Uncoated:Thick2/Thick6:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1- 984 - 213	Htg Roller Temp Setting	Plain:Uncoated:Thick3/Thick7:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1- 984 - 214	Htg Roller Temp Setting	Plain:Uncoated:Thick3/Thick7:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1- 984 - 215	Htg Roller Temp Setting	Plain:Uncoated:Thick4/Thick8:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140
1- 984 - 216	Htg Roller Temp Setting	Plain:Uncoated:Thick4/Thick8:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140
1- 984 - 217	Htg Roller Temp Setting	Sp1/Matte:Thin/Thick1:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133 *Pro C5200S: 127 *Pro C5210S: 134
1- 984 -	Htg Roller Temp Setting	Sp1/Matte:Thin/Thick1:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
218				*Pro C5200S: 127 *Pro C5210S: 134
1-984-219	Htg Roller Temp Setting	Sp1/Matte:Plain1/Thick2:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-984-220	Htg Roller Temp Setting	Sp1/Matte:Plain1/Thick2:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-984-221	Htg Roller Temp Setting	Sp1/Matte:Plain2/Thick3:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-222	Htg Roller Temp Setting	Sp1/Matte:Plain2/Thick3:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-223	Htg Roller Temp Setting	Sp1/Matte:Mid-Thick/Thick4:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-224	Htg Roller Temp Setting	Sp1/Matte:Mid-Thick/Thick4:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-225	Htg Roller Temp Setting	Sp1/Matte:Thick1/Thick5:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 150
1-984-226	Htg Roller Temp Setting	Sp1/Matte:Thick1/Thick5:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143 *Pro C5210S: 150
1-984-227	Htg Roller Temp Setting	Sp1/Matte:Thick2/Thick6:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1-984-228	Htg Roller Temp Setting	Sp1/Matte:Thick2/Thick6:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1-984-229	Htg Roller Temp Setting	Sp1/Matte:Thick3/Thick7:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1-984-230	Htg Roller Temp Setting	Sp1/Matte:Thick3/Thick7:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1-984-231	Htg Roller Temp Setting	Sp1/Matte:Thick4/Thick8:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140
1-984-232	Htg Roller Temp Setting	Sp1/Matte:Thick4/Thick8:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-984-233	Htg Roller Temp Setting	Sp2/Glossy:Thin/Thick1:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133 *Pro C5200S: 127 *Pro C5210S: 134
1-984-234	Htg Roller Temp Setting	Sp2/Glossy:Thin/Thick1:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 125 *MP C8003: 133 *Pro C5200S: 127 *Pro C5210S: 134
1-984-235	Htg Roller Temp Setting	Sp2/Glossy:Plain1/Thick2:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-984-236	Htg Roller Temp Setting	Sp2/Glossy:Plain1/Thick2:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 133 *MP C8003: 140 *Pro C5200S: 136 *Pro C5210S: 143
1-984-237	Htg Roller Temp Setting	Sp2/Glossy:Plain2/Thick3:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-238	Htg Roller Temp Setting	Sp2/Glossy:Plain2/Thick3:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 136 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-984-239	Htg Roller Temp Setting	Sp2/Glossy:Mid-Thick/Thick4:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1-	Htg Roller Temp Setting	Sp2/Glossy:Mid-Thick/Thick4:Bk	ENG	[0 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
984 - 240				*MP C6503: 143 *MP C8003: 143 *Pro C5200S: 141 *Pro C5210S: 148
1- 984 - 241	Htg Roller Temp Setting	Sp2/Glossy:Thick1/Thick5:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143 *Pro C5210S: 150
1- 984 - 242	Htg Roller Temp Setting	Sp2/Glossy:Thick1/Thick5:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 135 *MP C8003: 135 *Pro C5200S: 143 *Pro C5210S: 150
1- 984 - 243	Htg Roller Temp Setting	Sp2/Glossy:Thick2/Thick6:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1- 984 - 244	Htg Roller Temp Setting	Sp2/Glossy:Thick2/Thick6:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 150 *Pro C5210S: 150
1- 984 - 245	Htg Roller Temp Setting	Sp2/Glossy:Thick3/Thick7:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1- 984 - 246	Htg Roller Temp Setting	Sp2/Glossy:Thick3/Thick7:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 140 *MP C8003: 140 *Pro C5200S: 134 *Pro C5210S: 134
1- 984	Htg Roller Temp Setting	Sp2/Glossy:Thick4/Thick8:FC	ENG	[0 to 200 / * / 1deg] *MP C6503: 130

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 247				*MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140
1- 984 - 248	Htg Roller Temp Setting	Sp2/Glossy:Thick4/Thick8:Bk	ENG	[0 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 140 *Pro C5210S: 140
1- 984 - 249	Htg Roller Temp Setting	Envelope:Thick2/Thick6	ENG	[0 to 200 / 200 / 1deg]
1- 984 - 250	Htg Roller Temp Setting	Envelope:Thick3/Thick7	ENG	[0 to 200 / 200 / 1deg]
1- 984 - 251	Htg Roller Temp Setting	Envelope:Thick4/Thick8	ENG	[0 to 200 / 200 / 1deg]
1- 984 - 252	Htg Roller Temp Setting	OHP	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158
1- 984 - 253	Htg Roller Temp Setting	Postcard:Thick1/Thick5	ENG	[0 to 200 / * / 1deg] *MP C6503: 160 *MP C8003: 160 *Pro C5200S: 155 *Pro C5210S: 155
1- 984 - 254	Htg Roller Temp Setting	Postcard:Thick2/Thick6	ENG	[0 to 200 / * / 1deg] *MP C6503: 148 *MP C8003: 153 *Pro C5200S: 153 *Pro C5210S: 158

SP Group 1000-05

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-985-109	Press Roller Temp Setting	Uncoated Thick 5:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-110	Press Roller Temp Setting	Uncoated Thick 5:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-111	Press Roller Temp Setting	Uncoated Thick 6:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-112	Press Roller Temp Setting	Uncoated Thick 6:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-125	Press Roller Temp Setting	Matte Thick 5:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-126	Press Roller Temp Setting	Matte Thick 5:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 90
1-985-127	Press Roller Temp Setting	Matte Thick 6:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-128	Press Roller Temp Setting	Matte Thick 6:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-141	Press Roller Temp Setting	Glossy Thick 5:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-142	Press Roller Temp Setting	Glossy Thick 5:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-143	Press Roller Temp Setting	Glossy Thick 6:L Speed:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-144	Press Roller Temp Setting	Glossy Thick 6:L Speed:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-985-145	Press Roller Temp Setting	Textured:Thick1	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-146	Press Roller Temp Setting	Textured:Thick2	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-147	Press Roller Temp Setting	Textured:Thick3	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-148	Press Roller Temp Setting	Textured:Thick4	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-149	Press Roller Temp Setting	Textured:Thick5	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-150	Press Roller Temp Setting	Textured:Thick6	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-	Press Roller Temp	Textured:Thick7	ENG	[50 to 200 / * /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
151	Setting			1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-152	Press Roller Temp Setting	Textured:Thick8	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-153	Press Roller Temp Setting	Textured:Thick9	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-154	Press Roller Temp Setting	Metallic/Perl:Thick3	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-155	Press Roller Temp Setting	Metallic/Perl:Thick4	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-156	Press Roller Temp Setting	Metallic/Perl:Thick5	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-157	Press Roller Temp Setting	Metallic/Perl:Thick6	ENG	[50 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-158	Press Roller Temp Setting	Metallic/Perl:Thick7	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-159	Press Roller Temp Setting	Metallic/Perl:Thick8	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-160	Press Roller Temp Setting	Metallic/Perl:Thick9	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-161	Press Roller Temp Setting	Synthetic:Thick2	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-162	Press Roller Temp Setting	Synthetic:Thick3	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-163	Press Roller Temp Setting	Synthetic:Thick4	ENG	[50 to 200 / * / 1deg] *MP C6503: 130

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-164	Press Roller Temp Setting	Synthetic:Thick5	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-165	Press Roller Temp Setting	Synthetic:Thick6	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-166	Press Roller Temp Setting	Synthetic:Thick7	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-167	Press Roller Temp Setting	Synthetic:Thick8	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-168	Press Roller Temp Setting	Synthetic:Thick9	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-170	Htg Roller Temp Setting	Uncoated:Thick9:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 90 *Pro C5210S: 90
1-985-171	Htg Roller Temp Setting	Uncoated:Thick9:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-172	Htg Roller Temp Setting	Matte:Thick9:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-173	Htg Roller Temp Setting	Matte:Thick9:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-174	Htg Roller Temp Setting	Glossy:Thick9:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-175	Htg Roller Temp Setting	Glossy:Thick9:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-176	Press Roller Temp Setting	Magnetic	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 90
1-985-177	Press Roller Temp Setting	Plastic Folder	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-180	Press Roller Temp Setting	Textured:Thick5:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-181	Press Roller Temp Setting	Textured:Thick6:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-182	Press Roller Temp Setting	Metallic/Perl:Thick5:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-183	Press Roller Temp Setting	Metallic/Perl:Thick6:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-184	Press Roller Temp Setting	Synthetic:Thick5:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-985-185	Press Roller Temp Setting	Synthetic:Thick6:L Speed	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-201	Press Roller Temp Setting	Plain:Uncoated:Thin/Thick1:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-202	Press Roller Temp Setting	Plain:Uncoated:Thin/Thick1:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-203	Press Roller Temp Setting	Plain:Uncoated:Plain1/Thick21:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-204	Press Roller Temp Setting	Plain:Uncoated:Plain1/Thick2:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-205	Press Roller Temp Setting	Plain:Uncoated:Plain2/Thick3:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-	Press Roller Temp	Plain:Uncoated:Plain2/Thick3:Bk	ENG	[50 to 200 / * /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
206	Setting			1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-207	Press Roller Temp Setting	Plain:Uncoated:Mid-Thick/Thick4:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-208	Press Roller Temp Setting	Plain:Uncoated:Mid-Thick/Thick4:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-209	Press Roller Temp Setting	Plain:Uncoated:Thick1/Thick5:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-210	Press Roller Temp Setting	Plain:Uncoated:Thick1/Thick5:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-211	Press Roller Temp Setting	Plain:Uncoated:Thick2/Thick6:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-212	Press Roller Temp Setting	Plain:Uncoated:Thick2/Thick6:Bk	ENG	[50 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-213	Press Roller Temp Setting	Plain:Uncoated:Thick3/Thick7:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-214	Press Roller Temp Setting	Plain:Uncoated:Thick3/Thick7:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-215	Press Roller Temp Setting	Plain:Uncoated:Thick4/Thick8:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-216	Press Roller Temp Setting	Plain:Uncoated:Thick4/Thick8:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-217	Press Roller Temp Setting	Sp1/Matte:Thin/Thick1:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-218	Press Roller Temp Setting	Sp1/Matte:Thin/Thick1:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-219	Press Roller Temp Setting	Sp1/Matte:Plain1/Thick21:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-220	Press Roller Temp Setting	Sp1/Matte:Plain1/Thick2:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-221	Press Roller Temp Setting	Sp1/Matte:Plain2/Thick3:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-222	Press Roller Temp Setting	Sp1/Matte:Plain2/Thick3:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-223	Press Roller Temp Setting	Sp1/Matte:Mid-Thick/Thick4:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-224	Press Roller Temp Setting	Sp1/Matte:Mid-Thick/Thick4:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 90 *Pro C5210S: 90
1-985-225	Press Roller Temp Setting	Sp1/Matte:Thick1/Thick5:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-226	Press Roller Temp Setting	Sp1/Matte:Thick1/Thick5:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-227	Press Roller Temp Setting	Sp1/Matte:Thick2/Thick6:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-228	Press Roller Temp Setting	Sp1/Matte:Thick2/Thick6:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-229	Press Roller Temp Setting	Sp1/Matte:Thick3/Thick7:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-230	Press Roller Temp Setting	Sp1/Matte:Thick3/Thick7:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 90
1-985-231	Press Roller Temp Setting	Sp1/Matte:Thick4/Thick8:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-232	Press Roller Temp Setting	Sp1/Matte:Thick4/Thick8:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-233	Press Roller Temp Setting	Sp2/Glossy:Thin/Thick1:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-234	Press Roller Temp Setting	Sp2/Glossy:Thin/Thick1:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-235	Press Roller Temp Setting	Sp2/Glossy:Plain1/Thick21:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-236	Press Roller Temp Setting	Sp2/Glossy:Plain1/Thick2:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-985-237	Press Roller Temp Setting	Sp2/Glossy:Plain2/Thick3:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-238	Press Roller Temp Setting	Sp2/Glossy:Plain2/Thick3:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-239	Press Roller Temp Setting	Sp2/Glossy:Mid-Thick/Thick4:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-240	Press Roller Temp Setting	Sp2/Glossy:Mid-Thick/Thick4:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-241	Press Roller Temp Setting	Sp2/Glossy:Thick1/Thick5:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-242	Press Roller Temp Setting	Sp2/Glossy:Thick1/Thick5:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-	Press Roller Temp	Sp2/Glossy:Thick2/Thick6:FC	ENG	[50 to 200 / * /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
243	Setting			1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-244	Press Roller Temp Setting	Sp2/Glossy:Thick2/Thick6:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-245	Press Roller Temp Setting	Sp2/Glossy:Thick3/Thick7:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-246	Press Roller Temp Setting	Sp2/Glossy:Thick3/Thick7:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-247	Press Roller Temp Setting	Sp2/Glossy:Thick4/Thick8:FC	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-248	Press Roller Temp Setting	Sp2/Glossy:Thick4/Thick8:Bk	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-249	Press Roller Temp Setting	Envelope:Thick2/Thick6	ENG	[50 to 200 / * / 1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-250	Press Roller Temp Setting	Envelope:Thick3/Thick7	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-251	Press Roller Temp Setting	Envelope:Thick4/Thick8	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-252	Press Roller Temp Setting	OHP	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-253	Press Roller Temp Setting	Glossy	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-985-254	Press Roller Temp Setting	Postcard:Thick2/Thick6	ENG	[50 to 200 / * / 1deg] *MP C6503: 130 *MP C8003: 130 *Pro C5200S: 90 *Pro C5210S: 90
1-986-109	Process Speed	Uncoated Thick 5:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: Low Speed
1-986-110	Process Speed	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-111	Process Speed	Uncoated Thick 6:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-112	Process Speed	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-125	Process Speed	Matte Thick 5:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-126	Process Speed	Matte Thick 5:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-127	Process Speed	Matte Thick 6:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-128	Process Speed	Matte Thick 6:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-141	Process Speed	Glossy Thick 5:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-142	Process Speed	Glossy Thick 5:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-986-143	Process Speed	Glossy Thick 6:L Speed:FC	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-144	Process Speed	Glossy Thick 6:L Speed:Bk	ENG	[0 to 3 / 0 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-145	Process Speed	Textured:Thick1	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-146	Process Speed	Textured:Thick2	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-147	Process Speed	Textured:Thick3	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-148	Process Speed	Textured:Thick4	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-149	Process Speed	Textured:Thick5	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: Low Speed
1-986-150	Process Speed	Textured:Thick6	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-151	Process Speed	Textured:Thick7	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-152	Process Speed	Textured:Thick8	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-153	Process Speed	Textured:Thick9	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-154	Process Speed	Metallic/Perl:Thick3	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-155	Process Speed	Metallic/Perl:Thick4	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-986-156	Process Speed	Metallic/Perl:Thick5	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-157	Process Speed	Metallic/Perl:Thick6	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-158	Process Speed	Metallic/Perl:Thick7	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-159	Process Speed	Metallic/Perl:Thick8	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-160	Process Speed	Metallic/Perl:Thick9	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-161	Process Speed	Synthetic:Thick2	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-	Process Speed	Synthetic:Thick3	ENG	[0 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
162				0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-163	Process Speed	Synthetic:Thick4	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-164	Process Speed	Synthetic:Thick5	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-165	Process Speed	Synthetic:Thick6	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-166	Process Speed	Synthetic:Thick7	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-167	Process Speed	Synthetic:Thick8	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-168	Process Speed	Synthetic:Thick9	ENG	[0 to 3 / 3 / 1] 0: Standard Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-170	Process Speed	Uncoated:Thick9:Fc	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-171	Process Speed	Uncoated:Thick9:Bk	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-172	Process Speed	Matte:Thick9:Fc	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-173	Process Speed	Matte:Thick9:Bk	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-174	Process Speed	Glossy:Thick9:Fc	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-175	Process Speed	Glossy:Thick9:Bk	ENG	[0 to 3 / 3 / 1] 0: Target Speed 1: Medium Speed 3: Low Speed
1-986-176	Process Speed	Magnetic	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-177	Process Speed	Plastic Folder	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: Medium Low Speed 3: Low Speed
1-986-180	Process Speed	Textured:Thick5:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-181	Process Speed	Textured:Thick6:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-182	Process Speed	Metallic/Perl:Thick5:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-183	Process Speed	Metallic/Perl:Thick6:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-184	Process Speed	Synthetic:Thick5:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-185	Process Speed	Synthetic:Thick6:L Speed	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				Speed 3: Low Speed
1-986-201	Process Speed	Uncoated:Thick1:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-202	Process Speed	Uncoated:Thick1:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-203	Process Speed	Uncoated:Thick21:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-204	Process Speed	Uncoated:Thick2:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-205	Process Speed	Uncoated:Thick3:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-206	Process Speed	Uncoated:Thick3:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: Low Speed
1-986-207	Process Speed	Uncoated:Thick4:FC	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 0 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-208	Process Speed	Uncoated:Thick4:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-209	Process Speed	Uncoated:Thick5:FC	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-210	Process Speed	Uncoated:Thick5:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-211	Process Speed	Uncoated:Thick6:FC	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 1 *Pro C5210S: 1 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-212	Process Speed	Uncoated:Thick6:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 1 *Pro C5210S: 1 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-213	Process Speed	Uncoated:Thick7:FC	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-214	Process Speed	Uncoated:Thick7:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-	Process Speed	Uncoated:Thick8:FC	ENG	[0 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
215				0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-216	Process Speed	Uncoated:Thick8:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-217	Process Speed	Matte:Thick1:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-218	Process Speed	Matte:Thick1:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-219	Process Speed	Matte:Thick21:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-220	Process Speed	Matte:Thick2:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-221	Process Speed	Matte:Thick3:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-222	Process Speed	Matte:Thick3:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-223	Process Speed	Matte:Thick4:FC	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 0 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-224	Process Speed	Matte:Thick4:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-225	Process Speed	Matte:Thick5:FC	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: Medium Low Speed 3: Low Speed
1-986-226	Process Speed	Matte:Thick5:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 1 *Pro C5210S: 1 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-227	Process Speed	Matte:Thick6:FC	ENG	[0 to 3 / 2 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-228	Process Speed	Matte:Thick6:Bk	ENG	[0 to 3 / 2 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-229	Process Speed	Matte:Thick7:FC	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-230	Process Speed	Matte:Thick7:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-986-231	Process Speed	Matte:Thick8:FC	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-232	Process Speed	Matte:Thick8:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-233	Process Speed	Glossy:Thick1:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-234	Process Speed	Glossy:Thick1:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-235	Process Speed	Glossy:Thick21:FC	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-236	Process Speed	Glossy:Thick2:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-	Process Speed	Glossy:Thick3:FC	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
237				0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-238	Process Speed	Glossy:Thick3:Bk	ENG	[0 to 3 / 0 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-239	Process Speed	Glossy:Thick4:FC	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 0 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-240	Process Speed	Glossy:Thick4:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-241	Process Speed	Glossy:Thick5:FC	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-242	Process Speed	Glossy:Thick5:Bk	ENG	[0 to 3 / 2 / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 0 *Pro C5210S: 0 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-243	Process Speed	Glossy:Thick6:FC	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 1 *Pro C5210S: 1 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-244	Process Speed	Glossy:Thick6:Bk	ENG	[0 to 3 / * / 1] *MP C6503: 2 *MP C8003: 2 *Pro C5200S: 1 *Pro C5210S: 1 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-245	Process Speed	Glossy:Thick7:FC	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: Medium Low Speed 3: Low Speed
1-986-246	Process Speed	Glossy:Thick7:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-247	Process Speed	Glossy:Thick8:FC	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-248	Process Speed	Glossy:Thick8:Bk	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-249	Process Speed	Envelope:Thick6	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-250	Process Speed	Envelope:Thick7	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-251	Process Speed	Envelope:Thick8	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				Speed 3: Low Speed
1-986-252	Process Speed	OHP	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-253	Process Speed	Glossy	ENG	[0 to 3 / 3 / 1] 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-986-254	Process Speed	Postcard:Thick6	ENG	[0 to 3 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 3 *Pro C5210S: 3 0: Standard Speed 1: Medium Speed 2: Medium Low Speed 3: Low Speed
1-987-109	Fusing Mtr Rotation Correct	Uncoated Thick 5:L Speed	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-110	Fusing Mtr Rotation Correct	Sp3/Uncoated Thick 5:L Speed	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-111	Fusing Mtr Rotation Correct	Uncoated Thick 6:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-112	Fusing Mtr Rotation Correct	Sp3/Uncoated Thick 6:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-125	Fusing Mtr Rotation Correct	Matte Thick 5:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-126	Fusing Mtr Rotation Correct	Sp1/Matte Thick 5:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-	Fusing Mtr Rotation	Matte Thick 6:L Speed	ENG	[-10 to 10 / -1.5 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127	Correct			0.1%]
1-987-128	Fusing Mtr Rotation Correct	Sp1/Matte Thick 6:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-141	Fusing Mtr Rotation Correct	Glossy Thick 5:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-142	Fusing Mtr Rotation Correct	Sp2/Glossy Thick 5:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-143	Fusing Mtr Rotation Correct	Glossy Thick 6:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-144	Fusing Mtr Rotation Correct	Sp2/Glossy Thick 6:L Speed	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-145	Fusing Mtr Rotation Correct	Textured:Thick 1	ENG	[-10 to 10 / 0 / 0.1%]
1-987-146	Fusing Mtr Rotation Correct	Textured:Thick 2	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-147	Fusing Mtr Rotation Correct	Textured:Thick 3	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-148	Fusing Mtr Rotation Correct	Textured:Thick 4	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-149	Fusing Mtr Rotation Correct	Textured:Thick 5	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-150	Fusing Mtr Rotation Correct	Textured:Thick 6	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-151	Fusing Mtr Rotation Correct	Textured:Thick 7	ENG	[-10 to 10 / -2 / 0.1%]
1-987-152	Fusing Mtr Rotation Correct	Textured:Thick 8	ENG	[-10 to 10 / -2 / 0.1%]
1-987-153	Fusing Mtr Rotation Correct	Textured:Thick 9	ENG	[-10 to 10 / -2 / 0.1%]
1-987-154	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 3	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-155	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 4	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-156	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 5	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-	Fusing Mtr Rotation	Metallic/Pearl:Thick 6	ENG	[-10 to 10 / -1.5 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
157	Correct			0.1%]
1-987-158	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 7	ENG	[-10 to 10 / -2 / 0.1%]
1-987-159	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 8	ENG	[-10 to 10 / -2 / 0.1%]
1-987-160	Fusing Mtr Rotation Correct	Metallic/Pearl:Thick 9	ENG	[-10 to 10 / -2 / 0.1%]
1-987-161	Fusing Mtr Rotation Correct	Synthetic:Thick 2	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-162	Fusing Mtr Rotation Correct	Synthetic:Thick 3	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-163	Fusing Mtr Rotation Correct	Synthetic:Thick 4	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-164	Fusing Mtr Rotation Correct	Synthetic:Thick 5	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-165	Fusing Mtr Rotation Correct	Synthetic:Thick 6	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-166	Fusing Mtr Rotation Correct	Synthetic:Thick 7	ENG	[-10 to 10 / -2 / 0.1%]
1-987-167	Fusing Mtr Rotation Correct	Synthetic:Thick 8	ENG	[-10 to 10 / -2 / 0.1%]
1-987-168	Fusing Mtr Rotation Correct	Synthetic:Thick 9	ENG	[-10 to 10 / -2 / 0.1%]
1-987-170	Fusing Mtr Rotation Correct	Uncoated:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-171	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-172	Fusing Mtr Rotation Correct	Matte:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-173	Fusing Mtr Rotation Correct	Sp1/Matte:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-174	Fusing Mtr Rotation Correct	Glossy:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-175	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick9	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-	Fusing Mtr Rotation	Magnetic	ENG	[-10 to 10 / -2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176	Correct			0.1%]
1-987-177	Fusing Mtr Rotation Correct	Plastic Folder	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-180	Fusing Mtr Rotation Correct	Textured:Thick 5:Low Spd	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-181	Fusing Mtr Rotation Correct	Textured:Thick 6:Low Spd	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-182	Fusing Mtr Rotation Correct	Metallic/Perl:Thick 5:Low Spd	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-183	Fusing Mtr Rotation Correct	Metallic/Perl:Thick 6:Low Spd	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-184	Fusing Mtr Rotation Correct	Synthetic:Thick 5:Low Spd	ENG	[-10 to 10 / -1.1 / 0.1%]
1-987-185	Fusing Mtr Rotation Correct	Synthetic:Thick 6:Low Spd	ENG	[-10 to 10 / -1.5 / 0.1%]
1-987-201	Fusing Mtr Rotation Correct	Uncoated:Thick1	ENG*	[-10 to 10 / 0 / 0.1%]
1-987-202	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick1	ENG*	[-10 to 10 / 0 / 0.1%]
1-987-203	Fusing Mtr Rotation Correct	Uncoated:Thick2	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-204	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick2	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-205	Fusing Mtr Rotation Correct	Uncoated:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-206	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-207	Fusing Mtr Rotation Correct	Uncoated:Thick4	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-208	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick4	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-209	Fusing Mtr Rotation Correct	Uncoated:Thick5	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-210	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick5	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-	Fusing Mtr Rotation	Uncoated:Thick6	ENG*	[-10 to 10 / -1.5 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211	Correct			0.1%]
1-987-212	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-213	Fusing Mtr Rotation Correct	Uncoated:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-214	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-215	Fusing Mtr Rotation Correct	Uncoated:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-216	Fusing Mtr Rotation Correct	Sp3/Uncoated:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-217	Fusing Mtr Rotation Correct	Matte:Thick1	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-218	Fusing Mtr Rotation Correct	Sp1/Matte:Thick1	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-219	Fusing Mtr Rotation Correct	Matte:Thick2	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-220	Fusing Mtr Rotation Correct	Sp1/Matte:Thick2	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-221	Fusing Mtr Rotation Correct	Matte:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-222	Fusing Mtr Rotation Correct	Sp1/Matte:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-223	Fusing Mtr Rotation Correct	Matte:Thick4	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-224	Fusing Mtr Rotation Correct	Sp1/Matte:Thick4	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-225	Fusing Mtr Rotation Correct	Matte:Thick5	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-226	Fusing Mtr Rotation Correct	Sp1/Matte:Thick5	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-227	Fusing Mtr Rotation Correct	Matte:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-228	Fusing Mtr Rotation Correct	Sp1/Matte:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-	Fusing Mtr Rotation	Matte:Thick7	ENG*	[-10 to 10 / -2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
229	Correct			0.1%]
1-987-230	Fusing Mtr Rotation Correct	Sp1/Matte:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-231	Fusing Mtr Rotation Correct	Matte:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-232	Fusing Mtr Rotation Correct	Sp1/Matte:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-233	Fusing Mtr Rotation Correct	Glossy:Thick1	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-234	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick1	ENG*	[-10 to 10 / -0.7 / 0.1%]
1-987-235	Fusing Mtr Rotation Correct	Glossy:Thick2	ENG*	[-10 to 10 / 0.2 / 0.1%]
1-987-236	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick2	ENG*	[-10 to 10 / 0.2 / 0.1%]
1-987-237	Fusing Mtr Rotation Correct	Glossy:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-238	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick3	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-239	Fusing Mtr Rotation Correct	Glossy:Thick4	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-240	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick4	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-241	Fusing Mtr Rotation Correct	Glossy:Thick5	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-242	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick5	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-243	Fusing Mtr Rotation Correct	Glossy:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-244	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-245	Fusing Mtr Rotation Correct	Glossy:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-246	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-	Fusing Mtr Rotation	Glossy:Thick8	ENG*	[-10 to 10 / -2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
247	Correct			0.1%]
1-987-248	Fusing Mtr Rotation Correct	Sp2/Glossy:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-249	Fusing Mtr Rotation Correct	Envelope:Thick6	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-250	Fusing Mtr Rotation Correct	Envelope:Thick7	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-251	Fusing Mtr Rotation Correct	Envelope:Thick8	ENG*	[-10 to 10 / -2 / 0.1%]
1-987-252	Fusing Mtr Rotation Correct	OHP	ENG*	[-10 to 10 / -1.5 / 0.1%]
1-987-253	Fusing Mtr Rotation Correct	Glossy	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-987-254	Fusing Mtr Rotation Correct	Postcard:Thick6	ENG*	[-10 to 10 / -1.1 / 0.1%]
1-988-109	CPM Adjustment	Uncoated Thick 5:L Speed:FC	ENG	[1 to 100 / 100 / 1%]
1-988-110	CPM Adjustment	Uncoated Thick 5:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-111	CPM Adjustment	Uncoated Thick 6:L Speed:FC	ENG	[1 to 100 / 100 / 1%]
1-988-112	CPM Adjustment	Uncoated Thick 6:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-125	CPM Adjustment	Matte Thick 5:L Speed:FC	ENG	[1 to 100 / 100 / 1%]
1-988-126	CPM Adjustment	Matte Thick 5:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-127	CPM Adjustment	Matte Thick 6:L Speed:FC	ENG	[1 to 100 / 100 / 1%]
1-988-128	CPM Adjustment	Matte Thick 6:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-141	CPM Adjustment	Glossy Thick 5:L Speed:FC	ENG	[1 to 100 / 100 / 1%]
1-988-142	CPM Adjustment	Glossy Thick 5:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Glossy Thick 6:L Speed:FC	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
143				
1-988-144	CPM Adjustment	Glossy Thick 6:L Speed:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-145	CPM Adjustment	Textured:Thick1	ENG	[1 to 100 / 100 / 1%]
1-988-146	CPM Adjustment	Textured:Thick2	ENG	[1 to 100 / 100 / 1%]
1-988-147	CPM Adjustment	Textured:Thick3	ENG	[1 to 100 / 100 / 1%]
1-988-148	CPM Adjustment	Textured:Thick4	ENG	[1 to 100 / 100 / 1%]
1-988-149	CPM Adjustment	Textured:Thick5	ENG	[1 to 100 / 100 / 1%]
1-988-150	CPM Adjustment	Textured:Thick6	ENG	[1 to 100 / 100 / 1%]
1-988-151	CPM Adjustment	Textured:Thick7	ENG	[1 to 100 / 100 / 1%]
1-988-152	CPM Adjustment	Textured:Thick8	ENG	[1 to 100 / 100 / 1%]
1-988-153	CPM Adjustment	Textured:Thick9	ENG	[1 to 100 / 100 / 1%]
1-988-154	CPM Adjustment	Metallic/Perl:Thick3	ENG	[1 to 100 / 100 / 1%]
1-988-155	CPM Adjustment	Metallic/Perl:Thick4	ENG	[1 to 100 / 100 / 1%]
1-988-156	CPM Adjustment	Metallic/Perl:Thick5	ENG	[1 to 100 / 100 / 1%]
1-988-157	CPM Adjustment	Metallic/Perl:Thick6	ENG	[1 to 100 / 100 / 1%]
1-988-158	CPM Adjustment	Metallic/Perl:Thick7	ENG	[1 to 100 / 100 / 1%]
1-988-159	CPM Adjustment	Metallic/Perl:Thick8	ENG	[1 to 100 / 100 / 1%]
1-988-160	CPM Adjustment	Metallic/Perl:Thick9	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Synthetic:Thick2	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
161				
1-988-162	CPM Adjustment	Synthetic:Thick3	ENG	[1 to 100 / 100 / 1%]
1-988-163	CPM Adjustment	Synthetic:Thick4	ENG	[1 to 100 / 100 / 1%]
1-988-164	CPM Adjustment	Synthetic:Thick5	ENG	[1 to 100 / 100 / 1%]
1-988-165	CPM Adjustment	Synthetic:Thick6	ENG	[1 to 100 / 100 / 1%]
1-988-166	CPM Adjustment	Synthetic:Thick7	ENG	[1 to 100 / 100 / 1%]
1-988-167	CPM Adjustment	Synthetic:Thick8	ENG	[1 to 100 / 100 / 1%]
1-988-168	CPM Adjustment	Synthetic:Thick9	ENG	[1 to 100 / 100 / 1%]
1-988-170	CPM Adjustment	Uncoated:Thick9:Fc	ENG	[1 to 100 / 100 / 1%]
1-988-171	CPM Adjustment	Uncoated:Thick9:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-172	CPM Adjustment	Matte:Thick9:Fc	ENG	[1 to 100 / 100 / 1%]
1-988-173	CPM Adjustment	Matte:Thick9:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-174	CPM Adjustment	Glossy:Thick9:Fc	ENG	[1 to 100 / 100 / 1%]
1-988-175	CPM Adjustment	Glossy:Thick9:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-176	CPM Adjustment	Magnetic	ENG	[1 to 100 / 100 / 1%]
1-988-177	CPM Adjustment	Plastic Folder	ENG	[1 to 100 / 100 / 1%]
1-988-180	CPM Adjustment	Textured:Thick5:L Speed	ENG	[1 to 100 / 100 / 1%]
1-988-181	CPM Adjustment	Textured:Thick6:L Speed	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Metallic/Perl:Thick5:L Speed	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
182				
1-988-183	CPM Adjustment	Metallic/Perl:Thick6:L Speed	ENG	[1 to 100 / 100 / 1%]
1-988-184	CPM Adjustment	Synthetic:Thick5:L Speed	ENG	[1 to 100 / 100 / 1%]
1-988-185	CPM Adjustment	Synthetic:Thick6:L Speed	ENG	[1 to 100 / 100 / 1%]
1-988-201	CPM Adjustment	Uncoated:Thick1:FC	ENG	[1 to 100 / 100 / 1%]
1-988-202	CPM Adjustment	Uncoated:Thick1:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-203	CPM Adjustment	Uncoated:Thick21:FC	ENG	[1 to 100 / 100 / 1%]
1-988-204	CPM Adjustment	Uncoated:Thick2:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-205	CPM Adjustment	Uncoated:Thick3:FC	ENG	[1 to 100 / 100 / 1%]
1-988-206	CPM Adjustment	Uncoated:Thick3:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-207	CPM Adjustment	Uncoated:Thick4:FC	ENG	[1 to 100 / 100 / 1%]
1-988-208	CPM Adjustment	Uncoated:Thick4:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-209	CPM Adjustment	Uncoated:Thick5:FC	ENG	[1 to 100 / 100 / 1%]
1-988-210	CPM Adjustment	Uncoated:Thick5:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-211	CPM Adjustment	Uncoated:Thick6:FC	ENG	[1 to 100 / 100 / 1%]
1-988-212	CPM Adjustment	Uncoated:Thick6:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-213	CPM Adjustment	Uncoated:Thick7:FC	ENG	[1 to 100 / 100 / 1%]
1-988-214	CPM Adjustment	Uncoated:Thick7:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Uncoated:Thick8:FC	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
215				
1-988-216	CPM Adjustment	Uncoated:Thick8:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-217	CPM Adjustment	Matte:Thick1:FC	ENG	[1 to 100 / 100 / 1%]
1-988-218	CPM Adjustment	Matte:Thick1:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-219	CPM Adjustment	Matte:Thick21:FC	ENG	[1 to 100 / 100 / 1%]
1-988-220	CPM Adjustment	Matte:Thick2:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-221	CPM Adjustment	Matte:Thick3:FC	ENG	[1 to 100 / 100 / 1%]
1-988-222	CPM Adjustment	Matte:Thick3:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-223	CPM Adjustment	Matte:Thick4:FC	ENG	[1 to 100 / 100 / 1%]
1-988-224	CPM Adjustment	Matte:Thick4:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-225	CPM Adjustment	Matte:Thick5:FC	ENG	[1 to 100 / 100 / 1%]
1-988-226	CPM Adjustment	Matte:Thick5:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-227	CPM Adjustment	Matte:Thick6:FC	ENG	[1 to 100 / 100 / 1%]
1-988-228	CPM Adjustment	Matte:Thick6:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-229	CPM Adjustment	Matte:Thick7:FC	ENG	[1 to 100 / 100 / 1%]
1-988-230	CPM Adjustment	Matte:Thick7:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-231	CPM Adjustment	Matte:Thick8:FC	ENG	[1 to 100 / 100 / 1%]
1-988-232	CPM Adjustment	Matte:Thick8:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Glossy:Thick1:FC	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
233				
1-988-234	CPM Adjustment	Glossy:Thick1:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-235	CPM Adjustment	Glossy:Thick21:FC	ENG	[1 to 100 / 100 / 1%]
1-988-236	CPM Adjustment	Glossy:Thick2:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-237	CPM Adjustment	Glossy:Thick3:FC	ENG	[1 to 100 / 100 / 1%]
1-988-238	CPM Adjustment	Glossy:Thick3:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-239	CPM Adjustment	Glossy:Thick4:FC	ENG	[1 to 100 / 100 / 1%]
1-988-240	CPM Adjustment	Glossy:Thick4:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-241	CPM Adjustment	Glossy:Thick5:FC	ENG	[1 to 100 / 100 / 1%]
1-988-242	CPM Adjustment	Glossy:Thick5:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-243	CPM Adjustment	Glossy:Thick6:FC	ENG	[1 to 100 / 100 / 1%]
1-988-244	CPM Adjustment	Glossy:Thick6:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-245	CPM Adjustment	Glossy:Thick7:FC	ENG	[1 to 100 / 100 / 1%]
1-988-246	CPM Adjustment	Glossy:Thick7:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-247	CPM Adjustment	Glossy:Thick8:FC	ENG	[1 to 100 / 100 / 1%]
1-988-248	CPM Adjustment	Glossy:Thick8:Bk	ENG	[1 to 100 / 100 / 1%]
1-988-249	CPM Adjustment	Envelope:Thick6	ENG	[1 to 100 / 100 / 1%]
1-988-250	CPM Adjustment	Envelope:Thick7	ENG	[1 to 100 / 100 / 1%]
1-988-	CPM Adjustment	Envelope:Thick8	ENG	[1 to 100 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
251				
1-988-252	CPM Adjustment	OHP	ENG	[1 to 100 / 100 / 1%]
1-988-253	CPM Adjustment	Glossy	ENG	[1 to 100 / 100 / 1]
1-988-254	CPM Adjustment	Postcard:Thick6	ENG	[1 to 100 / 100 / 1%]
1-989-109	Process Speed	Uncoated Thick 5:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-110	Process Speed	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-111	Process Speed	Uncoated Thick 6:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-112	Process Speed	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-125	Process Speed	Matte Thick 5:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-126	Process Speed	Matte Thick 5:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-127	Process Speed	Matte Thick 6:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-128	Process Speed	Matte Thick 6:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-141	Process Speed	Glossy Thick 5:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-142	Process Speed	Glossy Thick 5:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-143	Process Speed	Glossy Thick 6:L Speed:FC	ENG	[0 to 3 / 3 / 1]
1-989-144	Process Speed	Glossy Thick 6:L Speed:Bk	ENG	[0 to 3 / 3 / 1]
1-989-145	Nip Width Setting	Textured:Thick1	ENG	[1 to 3 / 3 / 1]
1-989-146	Nip Width Setting	Textured:Thick2	ENG	[1 to 3 / 3 / 1]
1-989-	Nip Width Setting	Textured:Thick3	ENG	[1 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
147				
1-989-148	Nip Width Setting	Textured:Thick4	ENG	[1 to 3 / 3 / 1]
1-989-149	Nip Width Setting	Textured:Thick5	ENG	[1 to 3 / 3 / 1]
1-989-150	Nip Width Setting	Textured:Thick6	ENG	[1 to 3 / 3 / 1]
1-989-151	Nip Width Setting	Textured:Thick7	ENG	[1 to 3 / 3 / 1]
1-989-152	Nip Width Setting	Textured:Thick8	ENG	[1 to 3 / 3 / 1]
1-989-153	Nip Width Setting	Textured:Thick9	ENG	[1 to 3 / 3 / 1]
1-989-154	Nip Width Setting	Metallic/Perl:Thick3	ENG	[1 to 3 / 3 / 1]
1-989-155	Nip Width Setting	Metallic/Perl:Thick4	ENG	[1 to 3 / 3 / 1]
1-989-156	Nip Width Setting	Metallic/Perl:Thick5	ENG	[1 to 3 / 3 / 1]
1-989-157	Nip Width Setting	Metallic/Perl:Thick6	ENG	[1 to 3 / 3 / 1]
1-989-158	Nip Width Setting	Metallic/Perl:Thick7	ENG	[1 to 3 / 3 / 1]
1-989-159	Nip Width Setting	Metallic/Perl:Thick8	ENG	[1 to 3 / 3 / 1]
1-989-160	Nip Width Setting	Metallic/Perl:Thick9	ENG	[1 to 3 / 3 / 1]
1-989-161	Nip Width Setting	Synthetic:Thick2	ENG	[1 to 3 / 3 / 1]
1-989-162	Nip Width Setting	Synthetic:Thick3	ENG	[1 to 3 / 3 / 1]
1-989-163	Nip Width Setting	Synthetic:Thick4	ENG	[1 to 3 / 3 / 1]
1-989-164	Nip Width Setting	Synthetic:Thick5	ENG	[1 to 3 / 3 / 1]
1-989-	Nip Width Setting	Synthetic:Thick6	ENG	[1 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165				
1-989-166	Nip Width Setting	Synthetic:Thick7	ENG	[1 to 3 / 3 / 1]
1-989-167	Nip Width Setting	Synthetic:Thick8	ENG	[1 to 3 / 3 / 1]
1-989-168	Nip Width Setting	Synthetic:Thick9	ENG	[1 to 3 / 3 / 1]
1-989-170	Nip Width Setting	Uncoated:Thick9:Fc	ENG	[0 to 3 / 3 / 1]
1-989-171	Nip Width Setting	Uncoated:Thick9:Bk	ENG	[0 to 3 / 3 / 1]
1-989-172	Nip Width Setting	Matte:Thick9:Fc	ENG	[0 to 3 / 3 / 1]
1-989-173	Nip Width Setting	Matte:Thick9:Bk	ENG	[0 to 3 / 3 / 1]
1-989-174	Nip Width Setting	Glossy:Thick9:Fc	ENG	[0 to 3 / 3 / 1]
1-989-175	Nip Width Setting	Glossy:Thick9:Bk	ENG	[0 to 3 / 3 / 1]
1-989-176	Nip Width Setting	Magnetic	ENG	[1 to 3 / 3 / 1]
1-989-177	Nip Width Setting	Plastic Folder	ENG	[1 to 3 / 3 / 1]
1-989-180	Nip Width Setting	Textured:Thick5:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-181	Nip Width Setting	Textured:Thick6:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-182	Nip Width Setting	Metallic/Perl:Thick5:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-183	Nip Width Setting	Metallic/Perl:Thick6:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-184	Nip Width Setting	Synthetic:Thick5:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-185	Nip Width Setting	Synthetic:Thick6:L Speed	ENG	[1 to 3 / 3 / 1]
1-989-	Nip Width Setting	Plain:Uncoated:Thin/Thick1:FC	ENG	[1 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
201				
1-989-202	Nip Width Setting	Plain:Uncoated:Thin/Thick1:Bk	ENG	[1 to 3 / 3 / 1]
1-989-203	Nip Width Setting	Plain:Uncoated:Plain1/Thick21:FC	ENG	[1 to 3 / 3 / 1]
1-989-204	Nip Width Setting	Plain:Uncoated:Plain1/Thick2:Bk	ENG	[1 to 3 / 3 / 1]
1-989-205	Nip Width Setting	Plain:Uncoated:Plain2/Thick3:FC	ENG	[1 to 3 / 3 / 1]
1-989-206	Nip Width Setting	Plain:Uncoated:Plain2/Thick3:Bk	ENG	[1 to 3 / 3 / 1]
1-989-207	Nip Width Setting	Plain:Uncoated:Mid-Thick/Thick4:FC	ENG	[1 to 3 / 3 / 1]
1-989-208	Nip Width Setting	Plain:Uncoated:Mid-Thick/Thick4:Bk	ENG	[1 to 3 / 3 / 1]
1-989-209	Nip Width Setting	Plain:Uncoated:Thick1/Thick5:FC	ENG	[1 to 3 / 3 / 1]
1-989-210	Nip Width Setting	Plain:Uncoated:Thick1/Thick5:Bk	ENG	[1 to 3 / 3 / 1]
1-989-211	Nip Width Setting	Plain:Uncoated:Thick2/Thick6:FC	ENG	[1 to 3 / 3 / 1]
1-989-212	Nip Width Setting	Plain:Uncoated:Thick2/Thick6:Bk	ENG	[1 to 3 / 3 / 1]
1-989-213	Nip Width Setting	Plain:Uncoated:Thick3/Thick7:FC	ENG	[1 to 3 / 3 / 1]
1-989-214	Nip Width Setting	Plain:Uncoated:Thick3/Thick7:Bk	ENG	[1 to 3 / 3 / 1]
1-989-215	Nip Width Setting	Plain:Uncoated:Thick4/Thick8:FC	ENG	[1 to 3 / 3 / 1]
1-989-216	Nip Width Setting	Plain:Uncoated:Thick4/Thick8:Bk	ENG	[1 to 3 / 3 / 1]
1-989-217	Nip Width Setting	Sp1/Matte:Thin/Thick1:FC	ENG	[1 to 3 / 3 / 1]
1-989-218	Nip Width Setting	Sp1/Matte:Thin/Thick1:Bk	ENG	[1 to 3 / 3 / 1]
1-989-	Nip Width Setting	Sp1/Matte:Plain1/Thick21:FC	ENG	[1 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
219				
1-989-220	Nip Width Setting	Sp1/Matte:Plain1/Thick2:Bk	ENG	[1 to 3 / 3 / 1]
1-989-221	Nip Width Setting	Sp1/Matte:Plain2/Thick3:FC	ENG	[1 to 3 / 3 / 1]
1-989-222	Nip Width Setting	Sp1/Matte:Plain2/Thick3:Bk	ENG	[1 to 3 / 3 / 1]
1-989-223	Nip Width Setting	Sp1/Matte:Mid-Thick/Thick4:FC	ENG	[1 to 3 / 3 / 1]
1-989-224	Nip Width Setting	Sp1/Matte:Mid-Thick/Thick4:Bk	ENG	[1 to 3 / 3 / 1]
1-989-225	Nip Width Setting	Sp1/Matte:Thick1/Thick5:FC	ENG	[1 to 3 / 3 / 1]
1-989-226	Nip Width Setting	Sp1/Matte:Thick1/Thick5:Bk	ENG	[1 to 3 / 3 / 1]
1-989-227	Nip Width Setting	Sp1/Matte:Thick2/Thick6:FC	ENG	[1 to 3 / 3 / 1]
1-989-228	Nip Width Setting	Sp1/Matte:Thick2/Thick6:Bk	ENG	[1 to 3 / 3 / 1]
1-989-229	Nip Width Setting	Sp1/Matte:Thick3/Thick7:FC	ENG	[1 to 3 / 3 / 1]
1-989-230	Nip Width Setting	Sp1/Matte:Thick3/Thick7:Bk	ENG	[1 to 3 / 3 / 1]
1-989-231	Nip Width Setting	Sp1/Matte:Thick4/Thick8:FC	ENG	[1 to 3 / 3 / 1]
1-989-232	Nip Width Setting	Sp1/Matte:Thick4/Thick8:Bk	ENG	[1 to 3 / 3 / 1]
1-989-233	Nip Width Setting	Sp2/Glossy:Thin/Thick1:FC	ENG	[1 to 3 / 3 / 1]
1-989-234	Nip Width Setting	Sp2/Glossy:Thin/Thick1:Bk	ENG	[1 to 3 / 3 / 1]
1-989-235	Nip Width Setting	Sp2/Glossy:Plain1/Thick21:FC	ENG	[1 to 3 / 3 / 1]
1-989-236	Nip Width Setting	Sp2/Glossy:Plain1/Thick2:Bk	ENG	[1 to 3 / 3 / 1]
1-989-	Nip Width Setting	Sp2/Glossy:Plain2/Thick3:FC	ENG	[1 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
237				
1-989-238	Nip Width Setting	Sp2/Glossy:Plain2/Thick3:Bk	ENG	[1 to 3 / 3 / 1]
1-989-239	Nip Width Setting	Sp2/Glossy:Mid-Thick/Thick4:FC	ENG	[1 to 3 / 3 / 1]
1-989-240	Nip Width Setting	Sp2/Glossy:Mid-Thick/Thick4:Bk	ENG	[1 to 3 / 3 / 1]
1-989-241	Nip Width Setting	Sp2/Glossy:Thick1/Thick5:FC	ENG	[1 to 3 / 3 / 1]
1-989-242	Nip Width Setting	Sp2/Glossy:Thick1/Thick5:Bk	ENG	[1 to 3 / 3 / 1]
1-989-243	Nip Width Setting	Sp2/Glossy:Thick2/Thick6:FC	ENG	[1 to 3 / 3 / 1]
1-989-244	Nip Width Setting	Sp2/Glossy:Thick2/Thick6:Bk	ENG	[1 to 3 / 3 / 1]
1-989-245	Nip Width Setting	Sp2/Glossy:Thick3/Thick7:FC	ENG	[1 to 3 / 3 / 1]
1-989-246	Nip Width Setting	Sp2/Glossy:Thick3/Thick7:Bk	ENG	[1 to 3 / 3 / 1]
1-989-247	Nip Width Setting	Sp2/Glossy:Thick4/Thick8:FC	ENG	[1 to 3 / 3 / 1]
1-989-248	Nip Width Setting	Sp2/Glossy:Thick4/Thick8:Bk	ENG	[1 to 3 / 3 / 1]
1-989-249	Nip Width Setting	Envelope:Thick2/Thick6	ENG	[1 to 3 / 2 / 1]
1-989-250	Nip Width Setting	Envelope:Thick3/Thick7	ENG	[1 to 3 / 2 / 1]
1-989-251	Nip Width Setting	Envelope:Thick4/Thick8	ENG	[1 to 3 / 2 / 1]
1-989-252	Nip Width Setting	OHP	ENG	[1 to 3 / 3 / 1]
1-989-253	Nip Width Setting	Glossy	ENG	[1 to 3 / 3 / 1]
1-989-254	Nip Width Setting	Postcard:Thick2/Thick6	ENG	[1 to 3 / 3 / 1]

SP Group 1000-06

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-990-101	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-102	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-103	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-104	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-105	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-106	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-107	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-108	IniCPMDwn:EnvLowTmp:UnitLowTmp	Plain:Uncoated:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-109	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-110	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-111	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-112	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-113	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-114	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-115	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-116	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp1/Matte:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-117	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-118	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-119	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-120	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-121	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-122	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-123	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-124	IniCPMDwn:EnvLowTmp:UnitLowTmp	Sp2/Glossy:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-125	L Temp:CPM Down	Synthetic:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-126	L Temp:CPM Down	Synthetic:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-127	L Temp:CPM Down	Synthetic:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-128	L Temp:CPM Down	Synthetic:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-129	L Temp:CPM Down	Synthetic:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-130	IniCPMDwn:EnvLowTmp:UnitLowTmp	Envelope:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-131	IniCPMDwn:EnvLowTmp:UnitLowTmp	Envelope:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-132	IniCPMDwn:EnvLowTmp:UnitLowTmp	Envelope:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-133	L Temp:CPM Down	Synthetic:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-134	L Temp:CPM Down	Synthetic:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-135	L Temp:CPM Down	Synthetic:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-138	IniCPMDwn:EnvLowTmp:UnitLowTmp	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-139	IniCPMDwn:EnvLowTmp:UnitLowTmp	Postcard	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-140	Unit L Temp:L Temp:CPM Down	Glossy	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-141	IniCPMDwn:EnvLowTmp:UnitLowTmp	Uncoated:Thick9:Fc	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-142	IniCPMDwn:EnvLowTmp:UnitLowTmp	Matte:Thick9:Fc	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-143	IniCPMDwn:EnvLowTmp:UnitLowTmp	Glossy:Thick9:Fc	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-144	L Temp:CPM Down	Metallic/Perl:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-145	L Temp:CPM Down	Metallic/Perl:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-146	L Temp:CPM Down	Metallic/Perl:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-147	L Temp:CPM Down	Metallic/Perl:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-148	L Temp:CPM Down	Metallic/Perl:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-149	L Temp:CPM Down	Metallic/Perl:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-150	L Temp:CPM Down	Metallic/Perl:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-151	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-152	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-153	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-154	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-155	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-156	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-157	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-158	IniCPMDwn:EnvLowTmp:UnitHghTmp	Plain:Uncoated:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-159	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-160	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-161	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-162	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-163	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-164	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-165	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-166	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp1/Matte:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-167	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-168	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-169	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-170	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-171	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-172	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-173	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-174	IniCPMDwn:EnvLowTmp:UnitHghTmp	Sp2/Glossy:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-175	L Temp:CPM Down	Magnetic	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-176	L Temp:CPM Down	Plastic Folder	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-177	IniCPMDwn:EnvLowTmp:Unit HiTmp	Uncoated:Thick 9	ENG	[0 to 3 / 0 / 1]
1-990-178	IniCPMDwn:EnvLowTmp:Unit HiTmp	Matte:Thick 9	ENG	[0 to 3 / 0 / 1]
1-990-179	IniCPMDwn:EnvLowTmp:Unit HiTmp	Glossy:Thick 9	ENG	[0 to 3 / 0 / 1]
1-990-180	IniCPMDwn:EnvLowTmp:UnitHghTmp	Envelope:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-181	IniCPMDwn:EnvLowTmp:UnitHghTmp	Envelope:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvLowTmp:UnitHghTmp	Envelope:Thick4	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-182				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-188	IniCPMDwn:EnvLowTmp:UnitHghTmp	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-189	IniCPMDwn:EnvLowTmp:UnitHghTmp	Postcard	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-190	Unit H Temp:L Temp:CPM Down	Glossy	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-191	L Temp:CPM Down	Textured:Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-192	L Temp:CPM Down	Textured:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Textured:Thick3	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-193				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-194	L Temp:CPM Down	Textured:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-195	L Temp:CPM Down	Textured:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-196	L Temp:CPM Down	Textured:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-197	L Temp:CPM Down	Textured:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-198	L Temp:CPM Down	Textured:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Textured:Thick9	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-199				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-205	L Temp:CPM Down	Uncoated Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-206	L Temp:CPM Down	Uncoated Thick 6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-213	L Temp:CPM Down	Matte Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-214	L Temp:CPM Down	Matte Thick 6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-215	L Temp:CPM Down	Textured:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Textured:Thick6:L Speed	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-216				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-217	L Temp:CPM Down	Metallic/Perl:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-218	L Temp:CPM Down	Metallic/Perl:Thick6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-219	L Temp:CPM Down	Synthetic:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-220	L Temp:CPM Down	Synthetic:Thick6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-221	L Temp:CPM Down	Glossy Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Glossy Thick 6:L Speed	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-222				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-225	L Temp:CPM Down	Textured:Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-226	L Temp:CPM Down	Textured:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-227	L Temp:CPM Down	Textured:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-228	L Temp:CPM Down	Textured:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-229	L Temp:CPM Down	Textured:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Textured:Thick6	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-230				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-231	L Temp:CPM Down	Textured:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-232	L Temp:CPM Down	Textured:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-233	L Temp:CPM Down	Textured:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-234	L Temp:CPM Down	Metallic/Perl:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-235	L Temp:CPM Down	Metallic/Perl:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Metallic/Perl:Thick5	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-236				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-237	L Temp:CPM Down	Metallic/Perl:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-238	L Temp:CPM Down	Metallic/Perl:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-239	L Temp:CPM Down	Metallic/Perl:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-240	L Temp:CPM Down	Metallic/Perl:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-241	L Temp:CPM Down	Synthetic:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Synthetic:Thick3	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-242				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-243	L Temp:CPM Down	Synthetic:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-244	L Temp:CPM Down	Synthetic:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-245	L Temp:CPM Down	Synthetic:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-246	L Temp:CPM Down	Synthetic:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-247	L Temp:CPM Down	Synthetic:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	L Temp:CPM Down	Synthetic:Thick9	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
990-248				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-249	L Temp:CPM Down	Magnetic	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-250	L Temp:CPM Down	Plastic Folder	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-101	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-102	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-103	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Mid-	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-104		Thick/Thick4		0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-105	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-106	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-107	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-108	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-109	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Plain1/Thick1	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-110				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-111	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-112	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-113	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-114	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-115	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick4/Thick8	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-116				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-117	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-118	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-119	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-120	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-121	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick2/Thick6	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-122				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-123	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-124	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-125	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-126	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-127	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick5	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-128				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-129	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-130	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-131	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-132	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-133	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick8	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-134				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-135	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-138	IniCPMDwn:EnvNmlTmp:UnitLowTmp	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-139	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Postcard	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-140	U. L Temp:Over N Temp:CPM Down	Glossy	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-141	IniCPMDwn:EnvLowTmp:UnitHghTmp	Uncoated:Thick9:Fc	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvLowTmp:UnitHghTmp	Matte:Thick9:Fc	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-142				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-143	IniCPMDwn:EnvLowTmp:UnitHghTmp	Glossy:Thick9:Fc	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-144	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-145	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-146	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-147	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick7	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-148				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-149	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-150	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-151	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-152	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-153	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Mid-	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-154		Thick/Thick4		0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-155	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-156	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-157	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-158	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plain:Uncoated:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-159	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Plain1/Thick1	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-160				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-161	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-162	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-163	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-164	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick2/Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-165	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp1/Matte:Thick4/Thick8	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-166				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-167	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thin/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-168	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Plain1/Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-169	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Plain2/Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-170	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Mid-Thick/Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-171	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick1/Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick2/Thick6	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-172				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-173	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick3/Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-174	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Sp2/Glossy:Thick4/Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-175	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Magnetic	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-176	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Plastic Folder	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-177	IniCPMDwn:EnvRmTmp:UnitHighTmp	Uncoated:Thick 9	ENG	[0 to 3 / 0 / 1]
1-991-178	IniCPMDwn:EnvRmTmp:UnitHighTmp	Matte:Thick 9	ENG	[0 to 3 / 0 / 1]
1-	IniCPMDwn:EnvRmTmp:UnitHighTmp	Glossy:Thick 9	ENG	[0 to 3 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
991-179				
1-991-180	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-181	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-182	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Envelope:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-188	IniCPMDwn:EnvNmlTmp:UnitLowTmp	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-189	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Postcard	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-190	U. H Temp:Over N Temp:CPM Down	Glossy	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2
1-991-191	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-192	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-193	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-194	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-195	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-196	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-197	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-198	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-199	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-205	Over N Temp:CPM Down	Uncoated Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-206	Over N Temp:CPM Down	Uncoated Thick 6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-213	Over N Temp:CPM Down	Matte Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-214	Over N Temp:CPM Down	Matte Thick 6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-215	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-216	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Textured:Thick6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-217	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-218	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Metallic/Perl:Thick6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-219	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-220	IniCPMDwn:EnvNmlTmp:UnitLowTmp	Synthetic:Thick6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-221	Over N Temp:CPM Down	Glossy Thick 5:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-222	Over N Temp:CPM Down	Glossy Thick 6:L Speed	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-225	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-226	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-227	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-228	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-229	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-230	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-231	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-232	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-233	IniCPMDwn:EnvNmlTmpUnitHighTmp	Textured:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-234	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-235	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-236	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-237	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-238	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-239	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-240	IniCPMDwn:EnvNmlTmpUnitHighTmp	Metallic/Perl:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-241	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-242	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-243	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-244	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-245	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-246	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-247	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-248	IniCPMDwn:EnvNmlTmpUnitHighTmp	Synthetic:Thick9	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-249	IniCPMDwn:EnvNmlTmpUnitHighTmp	Magnetic	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-250	IniCPMDwn:EnvNmlTmpUnitHighTmp	Plastic Folder	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-992-145	Web Feed Interval	Textured:Thick1	ENG	[-75 to 0 / 0 / 1%]
1-992-	Web Feed Interval	Textured:Thick2	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
146				
1-992-147	Web Feed Interval	Textured:Thick3	ENG	[-75 to 0 / 0 / 1%]
1-992-148	Web Feed Interval	Textured:Thick4	ENG	[-75 to 0 / 0 / 1%]
1-992-149	Web Feed Interval	Textured:Thick5	ENG	[-75 to 0 / 0 / 1%]
1-992-150	Web Feed Interval	Textured:Thick6	ENG	[-75 to 0 / 0 / 1%]
1-992-151	Web Feed Interval	Textured:Thick7	ENG	[-75 to 0 / 0 / 1%]
1-992-152	Web Feed Interval	Textured:Thick8	ENG	[-75 to 0 / 0 / 1%]
1-992-153	Web Feed Interval	Textured:Thick9	ENG	[-75 to 0 / 0 / 1%]
1-992-154	Web Feed Interval	Metallic/Perl:Thick3	ENG	[-75 to 0 / 0 / 1%]
1-992-155	Web Feed Interval	Metallic/Perl:Thick4	ENG	[-75 to 0 / 0 / 1%]
1-992-156	Web Feed Interval	Metallic/Perl:Thick5	ENG	[-75 to 0 / 0 / 1%]
1-992-157	Web Feed Interval	Metallic/Perl:Thick6	ENG	[-75 to 0 / 0 / 1%]
1-	Web Feed Interval	Metallic/Perl:Thick7	ENG	[-75 to 0 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
992-158				1%]
1-992-159	Web Feed Interval	Metallic/Perl:Thick8	ENG	[-75 to 0 / 0 / 1%]
1-992-160	Web Feed Interval	Metallic/Perl:Thick9	ENG	[-75 to 0 / 0 / 1%]
1-992-161	Web Feed Interval	Synthetic:Thick2	ENG	[-75 to 0 / 0 / 1%]
1-992-162	Web Feed Interval	Synthetic:Thick3	ENG	[-75 to 0 / 0 / 1%]
1-992-163	Web Feed Interval	Synthetic:Thick4	ENG	[-75 to 0 / 0 / 1%]
1-992-164	Web Feed Interval	Synthetic:Thick5	ENG	[-75 to 0 / 0 / 1%]
1-992-165	Web Feed Interval	Synthetic:Thick6	ENG	[-75 to 0 / 0 / 1%]
1-992-166	Web Feed Interval	Synthetic:Thick7	ENG	[-75 to 0 / 0 / 1%]
1-992-167	Web Feed Interval	Synthetic:Thick8	ENG	[-75 to 0 / 0 / 1%]
1-992-168	Web Feed Interval	Synthetic:Thick9	ENG	[-75 to 0 / 0 / 1%]
1-992-170	Web Feed Interval	Uncoated:Thick9:Fc	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-171	Web Feed Interval	Uncoated:Thick9:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-172	Web Feed Interval	Matte:Thick9:Fc	ENG	[-75 to 0 / 0 / 1%]
1-992-173	Web Feed Interval	Matte:Thick9:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-174	Web Feed Interval	Glossy:Thick9:Fc	ENG	[-75 to 0 / 0 / 1%]
1-992-175	Web Feed Interval	Glossy:Thick9:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-176	Web Feed Interval	Magnetic	ENG	[-75 to 0 / 0 / 1%]
1-992-177	Web Feed Interval	Plastic Folder	ENG	[-75 to 0 / 0 / 1%]
1-992-201	Web Feed Interval	Uncoated:Thick1:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-202	Web Feed Interval	Uncoated:Thick1:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-203	Web Feed Interval	Uncoated:Thick21:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-204	Web Feed Interval	Uncoated:Thick2:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-205	Web Feed Interval	Uncoated:Thick3:FC	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-206	Web Feed Interval	Uncoated:Thick3:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-207	Web Feed Interval	Uncoated:Thick4:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-208	Web Feed Interval	Uncoated:Thick4:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-209	Web Feed Interval	Uncoated:Thick5:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-210	Web Feed Interval	Uncoated:Thick5:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-211	Web Feed Interval	Uncoated:Thick6:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-212	Web Feed Interval	Uncoated:Thick6:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-213	Web Feed Interval	Uncoated:Thick7:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-214	Web Feed Interval	Uncoated:Thick7:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-215	Web Feed Interval	Uncoated:Thick8:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-216	Web Feed Interval	Uncoated:Thick8:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-217	Web Feed Interval	Matte:Thick1:FC	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-218	Web Feed Interval	Matte:Thick1:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-219	Web Feed Interval	Matte:Thick21:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-220	Web Feed Interval	Matte:Thick2:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-221	Web Feed Interval	Matte:Thick3:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-222	Web Feed Interval	Matte:Thick3:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-223	Web Feed Interval	Matte:Thick4:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-224	Web Feed Interval	Matte:Thick4:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-225	Web Feed Interval	Matte:Thick5:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-226	Web Feed Interval	Matte:Thick5:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-227	Web Feed Interval	Matte:Thick6:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-228	Web Feed Interval	Matte:Thick6:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-229	Web Feed Interval	Matte:Thick7:FC	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-230	Web Feed Interval	Matte:Thick7:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-231	Web Feed Interval	Matte:Thick8:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-232	Web Feed Interval	Matte:Thick8:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-233	Web Feed Interval	Glossy	ENG	[-75 to 0 / 0 / 1%]
1-992-234	Web Feed Interval	Glossy:Thick1:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-235	Web Feed Interval	Glossy:Thick21:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-236	Web Feed Interval	Glossy:Thick2:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-237	Web Feed Interval	Glossy:Thick3:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-238	Web Feed Interval	Glossy:Thick3:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-239	Web Feed Interval	Glossy:Thick4:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-240	Web Feed Interval	Glossy:Thick4:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-241	Web Feed Interval	Glossy:Thick5:FC	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-242	Web Feed Interval	Glossy:Thick5:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-243	Web Feed Interval	Glossy:Thick6:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-244	Web Feed Interval	Glossy:Thick6:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-245	Web Feed Interval	Glossy:Thick7:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-246	Web Feed Interval	Glossy:Thick7:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-247	Web Feed Interval	Glossy:Thick8:FC	ENG	[-75 to 0 / 0 / 1%]
1-992-248	Web Feed Interval	Glossy:Thick8:Bk	ENG	[-75 to 0 / 0 / 1%]
1-992-249	Web Feed Interval	Envelope:Thick6	ENG	[-75 to 0 / 0 / 1%]
1-992-250	Web Feed Interval	Envelope:Thick7	ENG	[-75 to 0 / 0 / 1%]
1-992-251	Web Feed Interval	Envelope:Thick8	ENG	[-75 to 0 / 0 / 1%]
1-992-252	Web Feed Interval	OHP	ENG	[-75 to 0 / 0 / 1%]
1-992-253	Web Feed Interval	Postcard:Thick5	ENG	[-75 to 0 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-254	Web Feed Interval	Postcard:Thick6	ENG	[-75 to 0 / 0 / 1%]
1-996-109	Envelope Nip Width Setting	Uncoated Thick 5:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-110	Envelope Nip Width Setting	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-111	Envelope Nip Width Setting	Uncoated Thick 6:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-112	Envelope Nip Width Setting	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-125	Envelope Nip Width Setting	Matte Thick 5:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-126	Envelope Nip Width Setting	Matte Thick 5:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-127	Envelope Nip Width Setting	Matte Thick 6:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-128	Envelope Nip Width Setting	Matte Thick 6:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-141	Envelope Nip Width Setting	Glossy Thick 5:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-142	Envelope Nip Width Setting	Glossy Thick 5:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-143	Envelope Nip Width Setting	Glossy Thick 6:L Speed:FC	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-144	Envelope Nip Width Setting	Glossy Thick 6:L Speed:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-145	Envelope Nip Width Setting	Textured:Thick1	ENG	[0 to 20000 / 455 / 1um]
1-996-146	Envelope Nip Width Setting	Textured:Thick2	ENG	[0 to 20000 / 455 / 1um]
1-996-147	Envelope Nip Width Setting	Textured:Thick3	ENG	[0 to 20000 / 455 / 1um]
1-996-148	Envelope Nip Width Setting	Textured:Thick4	ENG	[0 to 20000 / 455 / 1um]
1-996-149	Envelope Nip Width Setting	Textured:Thick5	ENG	[0 to 20000 / 455 / 1um]
1-996-150	Envelope Nip Width Setting	Textured:Thick6	ENG	[0 to 20000 / 455 / 1um]
1-996-151	Envelope Nip Width Setting	Textured:Thick7	ENG	[0 to 20000 / 455 / 1um]
1-996-152	Envelope Nip Width Setting	Textured:Thick8	ENG	[0 to 20000 / 455 / 1um]
1-996-153	Envelope Nip Width Setting	Textured:Thick9	ENG	[0 to 20000 / 455 / 1um]
1-996-154	Envelope Nip Width Setting	Metallic/Perl:Thick3	ENG	[0 to 20000 / 455 / 1um]
1-996-155	Envelope Nip Width Setting	Metallic/Perl:Thick4	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-156	Envelope Nip Width Setting	Metallic/Perl:Thick5	ENG	[0 to 20000 / 455 / 1um]
1-996-157	Envelope Nip Width Setting	Metallic/Perl:Thick6	ENG	[0 to 20000 / 455 / 1um]
1-996-158	Envelope Nip Width Setting	Metallic/Perl:Thick7	ENG	[0 to 20000 / 455 / 1um]
1-996-159	Envelope Nip Width Setting	Metallic/Perl:Thick8	ENG	[0 to 20000 / 455 / 1um]
1-996-160	Envelope Nip Width Setting	Metallic/Perl:Thick9	ENG	[0 to 20000 / 455 / 1um]
1-996-161	Envelope Nip Width Setting	Synthetic:Thick2	ENG	[0 to 20000 / 455 / 1um]
1-996-162	Envelope Nip Width Setting	Synthetic:Thick3	ENG	[0 to 20000 / 455 / 1um]
1-996-163	Envelope Nip Width Setting	Synthetic:Thick4	ENG	[0 to 20000 / 455 / 1um]
1-996-164	Envelope Nip Width Setting	Synthetic:Thick5	ENG	[0 to 20000 / 455 / 1um]
1-996-165	Envelope Nip Width Setting	Synthetic:Thick6	ENG	[0 to 20000 / 455 / 1um]
1-996-166	Envelope Nip Width Setting	Synthetic:Thick7	ENG	[0 to 20000 / 455 / 1um]
1-996-167	Envelope Nip Width Setting	Synthetic:Thick8	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-168	Envelope Nip Width Setting	Synthetic:Thick9	ENG	[0 to 20000 / 455 / 1um]
1-996-170	Envelope Nip Width Setting	Uncoated:Thick9:Fc	ENG	[0 to 20000 / 455 / 1um]
1-996-171	Envelope Nip Width Setting	Uncoated:Thick9:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-172	Envelope Nip Width Setting	Matte:Thick9:Fc	ENG	[0 to 20000 / 455 / 1um]
1-996-173	Envelope Nip Width Setting	Matte:Thick9:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-174	Envelope Nip Width Setting	Glossy:Thick9:Fc	ENG	[0 to 20000 / 455 / 1um]
1-996-175	Envelope Nip Width Setting	Glossy:Thick9:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-176	Envelope Nip Width Setting	Magnetic	ENG	[0 to 20000 / 455 / 1um]
1-996-177	Envelope Nip Width Setting	Plastic Folder	ENG	[0 to 20000 / 455 / 1um]
1-996-180	Envelope Nip Width Setting	Textured:Thick5:L Speed	ENG	[0 to 20000 / 455 / 1um]
1-996-181	Envelope Nip Width Setting	Textured:Thick6:L Speed	ENG	[0 to 20000 / 455 / 1um]
1-996-182	Envelope Nip Width Setting	Metallic/Perl:Thick5:L Speed	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-183	Envelope Nip Width Setting	Metallic/Perl:Thick6:L Speed	ENG	[0 to 20000 / 455 / 1um]
1-996-184	Envelope Nip Width Setting	Synthetic:Thick5:L Speed	ENG	[0 to 20000 / 455 / 1um]
1-996-185	Envelope Nip Width Setting	Synthetic:Thick6:L Speed	ENG	[0 to 20000 / 455 / 1um]
1-996-201	Envelope Nip Width Setting	Uncoated Thick 1:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-202	Envelope Nip Width Setting	Uncoated Thick 1:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-203	Envelope Nip Width Setting	Uncoated Thick 2:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-204	Envelope Nip Width Setting	Uncoated Thick 2:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-205	Envelope Nip Width Setting	Uncoated Thick 3:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-206	Envelope Nip Width Setting	Uncoated Thick 3:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-207	Envelope Nip Width Setting	Uncoated Thick 4:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-208	Envelope Nip Width Setting	Uncoated Thick 4:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-209	Envelope Nip Width Setting	Uncoated Thick 5:FC	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-210	Envelope Nip Width Setting	Uncoated Thick 5:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-211	Envelope Nip Width Setting	Uncoated Thick 6:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-212	Envelope Nip Width Setting	Uncoated Thick 6:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-213	Envelope Nip Width Setting	Uncoated Thick 7:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-214	Envelope Nip Width Setting	Uncoated Thick 7:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-215	Envelope Nip Width Setting	Uncoated Thick 8:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-216	Envelope Nip Width Setting	Uncoated Thick 8:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-217	Envelope Nip Width Setting	Matte Thick 1:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-218	Envelope Nip Width Setting	Matte Thick 1:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-219	Envelope Nip Width Setting	Matte Thick 2:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-220	Envelope Nip Width Setting	Matte Thick 2:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-221	Envelope Nip Width Setting	Matte Thick 3:FC	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-222	Envelope Nip Width Setting	Matte Thick 3:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-223	Envelope Nip Width Setting	Matte Thick 4:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-224	Envelope Nip Width Setting	Matte Thick 4:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-225	Envelope Nip Width Setting	Matte Thick 5:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-226	Envelope Nip Width Setting	Matte Thick 5:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-227	Envelope Nip Width Setting	Matte Thick 6:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-228	Envelope Nip Width Setting	Matte Thick 6:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-229	Envelope Nip Width Setting	Matte Thick 7:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-230	Envelope Nip Width Setting	Matte Thick 7:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-231	Envelope Nip Width Setting	Matte Thick 8:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-232	Envelope Nip Width Setting	Matte Thick 8:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-233	Envelope Nip Width Setting	Glossy Thick 1:FC	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-234	Envelope Nip Width Setting	Glossy Thick 1:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-235	Envelope Nip Width Setting	Glossy Thick 2:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-236	Envelope Nip Width Setting	Glossy Thick 2:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-237	Envelope Nip Width Setting	Glossy Thick 3:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-238	Envelope Nip Width Setting	Glossy Thick 3:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-239	Envelope Nip Width Setting	Glossy Thick 4:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-240	Envelope Nip Width Setting	Glossy Thick 4:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-241	Envelope Nip Width Setting	Glossy Thick 5:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-242	Envelope Nip Width Setting	Glossy Thick 5:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-243	Envelope Nip Width Setting	Glossy Thick 6:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-244	Envelope Nip Width Setting	Glossy Thick 6:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-245	Envelope Nip Width Setting	Glossy Thick 7:FC	ENG	[0 to 20000 / 455 / 1um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-246	Envelope Nip Width Setting	Glossy Thick 7:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-247	Envelope Nip Width Setting	Glossy Thick 8:FC	ENG	[0 to 20000 / 455 / 1um]
1-996-248	Envelope Nip Width Setting	Glossy Thick 8:Bk	ENG	[0 to 20000 / 455 / 1um]
1-996-249	Envelope Nip Width Setting	Envelope:Thick6	ENG	[0 to 20000 / * / 1um] *MP C6503: 455 *MP C8003: 455 *Pro C5200S: 3530 *Pro C5210S: 3530
1-996-250	Envelope Nip Width Setting	Envelope:Thick7	ENG	[0 to 20000 / * / 1um] *MP C6503: 455 *MP C8003: 455 *Pro C5200S: 3530 *Pro C5210S: 3530
1-996-251	Envelope Nip Width Setting	Envelope:Thick8	ENG	[0 to 20000 / * / 1um] *MP C6503: 455 *MP C8003: 455 *Pro C5200S: 3530

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3530 *Pro C5210S: 3530
1-996-252	Envelope Nip Width Setting	OHP	ENG	[0 to 20000 / 455 / 1um]
1-996-253	Envelope Nip Width Setting	Glossy	ENG	[0 to 20000 / 455 / 1um]
1-996-254	Envelope Nip Width Setting	Postcard:Thick6	ENG	[0 to 20000 / 455 / 1um]

SP Group 1000-07

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-109	Cleaning Web Pressure Setting	Uncoated Thick 5:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-110	Cleaning Web Pressure Setting	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-111	Cleaning Web Pressure Setting	Uncoated Thick 6:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-112	Cleaning Web Pressure Setting	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-125	Cleaning Web Pressure Setting	Matte Thick 5:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-126	Cleaning Web Pressure Setting	Matte Thick 5:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-127	Cleaning Web Pressure Setting	Matte Thick 6:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-128	Cleaning Web Pressure Setting	Matte Thick 6:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-141	Cleaning Web Pressure Setting	Glossy Thick 5:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-142	Cleaning Web Pressure Setting	Glossy Thick 5:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-143	Cleaning Web Pressure Setting	Glossy Thick 6:L Speed:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-144	Cleaning Web Pressure Setting	Glossy Thick 6:L Speed:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-145	Cleaning Web Pressure Setting	Textured:Thick1	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-146	Cleaning Web Pressure Setting	Textured:Thick2	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-147	Cleaning Web Pressure Setting	Textured:Thick3	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-148	Cleaning Web Pressure Setting	Textured:Thick4	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1 0: Depress 1: Press
1-998-149	Cleaning Web Pressure Setting	Textured:Thick5	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-150	Cleaning Web Pressure Setting	Textured:Thick6	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-151	Cleaning Web Pressure Setting	Textured:Thick7	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-152	Cleaning Web Pressure Setting	Textured:Thick8	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-153	Cleaning Web Pressure Setting	Textured:Thick9	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Press
1-998-154	Cleaning Web Pressure Setting	Metallic/Perl:Thick3	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-155	Cleaning Web Pressure Setting	Metallic/Perl:Thick4	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-156	Cleaning Web Pressure Setting	Metallic/Perl:Thick5	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-157	Cleaning Web Pressure Setting	Metallic/Perl:Thick6	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-158	Cleaning Web Pressure Setting	Metallic/Perl:Thick7	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-	Cleaning Web Pressure	Metallic/Perl:Thick8	ENG	[0 to 1 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
159	Setting			*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-160	Cleaning Web Pressure Setting	Metallic/Perl:Thick9	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-161	Cleaning Web Pressure Setting	Synthetic:Thick2	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-162	Cleaning Web Pressure Setting	Synthetic:Thick3	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-163	Cleaning Web Pressure Setting	Synthetic:Thick4	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-164	Cleaning Web Pressure Setting	Synthetic:Thick5	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-165	Cleaning Web Pressure Setting	Synthetic:Thick6	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-166	Cleaning Web Pressure Setting	Synthetic:Thick7	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-167	Cleaning Web Pressure Setting	Synthetic:Thick8	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-168	Cleaning Web Pressure Setting	Synthetic:Thick9	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-170	Cleaning Web Pressure Setting	Uncoated:Thick9:Fc	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: Depress 1: Press
1-998-171	Cleaning Web Pressure Setting	Uncoated:Thick9:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-172	Cleaning Web Pressure Setting	Matte:Thick9:Fc	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-173	Cleaning Web Pressure Setting	Matte:Thick9:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-174	Cleaning Web Pressure Setting	Glossy:Thick9:Fc	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-175	Cleaning Web Pressure Setting	Glossy:Thick9:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-176	Cleaning Web Pressure Setting	Magnetic	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-177	Cleaning Web Pressure Setting	Plastic Folder	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-180	Cleaning Web Pressure Setting	Textured:Thick5:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-181	Cleaning Web Pressure Setting	Textured:Thick6:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-182	Cleaning Web Pressure Setting	Metallic/Perl:Thick5:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-183	Cleaning Web Pressure Setting	Metallic/Perl:Thick6:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-184	Cleaning Web Pressure Setting	Synthetic:Thick5:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-185	Cleaning Web Pressure Setting	Synthetic:Thick6:L Speed	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-201	Cleaning Web Pressure Setting	Uncoated Thick 1:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-202	Cleaning Web Pressure Setting	Uncoated Thick 1:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-203	Cleaning Web Pressure Setting	Uncoated Thick 2:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1 0: Depress 1: Press
1-998-204	Cleaning Web Pressure Setting	Uncoated Thick 2:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-205	Cleaning Web Pressure Setting	Uncoated Thick 3:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-206	Cleaning Web Pressure Setting	Uncoated Thick 3:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-207	Cleaning Web Pressure Setting	Uncoated Thick 4:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-208	Cleaning Web Pressure Setting	Uncoated Thick 4:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Press
1-998-209	Cleaning Web Pressure Setting	Uncoated Thick 5:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-210	Cleaning Web Pressure Setting	Uncoated Thick 5:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-211	Cleaning Web Pressure Setting	Uncoated Thick 6:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-212	Cleaning Web Pressure Setting	Uncoated Thick 6:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-213	Cleaning Web Pressure Setting	Uncoated Thick 7:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-	Cleaning Web Pressure	Uncoated Thick 7:Bk	ENG	[0 to 1 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
214	Setting			*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-215	Cleaning Web Pressure Setting	Uncoated Thick 8:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-216	Cleaning Web Pressure Setting	Uncoated Thick 8:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-217	Cleaning Web Pressure Setting	Matte Thick 1:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-218	Cleaning Web Pressure Setting	Matte Thick 1:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-219	Cleaning Web Pressure Setting	Matte Thick 2:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-220	Cleaning Web Pressure Setting	Matte Thick 2:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-221	Cleaning Web Pressure Setting	Matte Thick 3:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-222	Cleaning Web Pressure Setting	Matte Thick 3:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-223	Cleaning Web Pressure Setting	Matte Thick 4:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-224	Cleaning Web Pressure Setting	Matte Thick 4:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: Depress 1: Press
1-998-225	Cleaning Web Pressure Setting	Matte Thick 5:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-226	Cleaning Web Pressure Setting	Matte Thick 5:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-227	Cleaning Web Pressure Setting	Matte Thick 6:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-228	Cleaning Web Pressure Setting	Matte Thick 6:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-229	Cleaning Web Pressure Setting	Matte Thick 7:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-230	Cleaning Web Pressure Setting	Matte Thick 7:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-231	Cleaning Web Pressure Setting	Matte Thick 8:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-232	Cleaning Web Pressure Setting	Matte Thick 8:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-233	Cleaning Web Pressure Setting	Glossy	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-234	Cleaning Web Pressure Setting	Glossy Thick 1:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-235	Cleaning Web Pressure Setting	Glossy Thick 2:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-236	Cleaning Web Pressure Setting	Glossy Thick 2:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-237	Cleaning Web Pressure Setting	Glossy Thick 3:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-238	Cleaning Web Pressure Setting	Glossy Thick 3:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-239	Cleaning Web Pressure Setting	Glossy Thick 4:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-240	Cleaning Web Pressure Setting	Glossy Thick 4:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1 0: Depress 1: Press
1-998-241	Cleaning Web Pressure Setting	Glossy Thick 5:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-242	Cleaning Web Pressure Setting	Glossy Thick 5:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-243	Cleaning Web Pressure Setting	Glossy Thick 6:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-244	Cleaning Web Pressure Setting	Glossy Thick 6:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-245	Cleaning Web Pressure Setting	Glossy Thick 7:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Press
1-998-246	Cleaning Web Pressure Setting	Glossy Thick 7:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-247	Cleaning Web Pressure Setting	Glossy Thick 8:FC	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-248	Cleaning Web Pressure Setting	Glossy Thick 8:Bk	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-249	Cleaning Web Pressure Setting	Envelope:Thick6	ENG	[0 to 1 / 0 / 1] 0: Depress 1: Press
1-998-250	Cleaning Web Pressure Setting	Envelope:Thick7	ENG	[0 to 1 / 0 / 1] 0: Depress 1: Press
1-998-251	Cleaning Web Pressure Setting	Envelope:Thick8	ENG	[0 to 1 / 0 / 1] 0: Depress 1: Press
1-998-252	Cleaning Web Pressure Setting	OHP	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Press
1-998-253	Cleaning Web Pressure Setting	Postcard:Thick5	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press
1-998-254	Cleaning Web Pressure Setting	Postcard:Thick6	ENG	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: Depress 1: Press

SP Group 2000-01

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-101-001	Color Regist Adjust	Main Scan Initial Value: K	ENG*	[-512 to 511 / 0 / 1dot]
2-101-002	Color Regist Adjust	Main Scan Initial Value: C	ENG*	[-512 to 511 / 0 / 1dot]
2-101-003	Color Regist Adjust	Main Scan Initial Value: M	ENG*	[-512 to 511 / 0 / 1dot]
2-101-004	Color Regist Adjust	Main Scan Initial Value: Y	ENG*	[-512 to 511 / 0 / 1dot]
2-101-006	Color Regist Adjust	Main/Sub Scan Initial Value: K	ENG*	[-47 to 47 / 0 / 1sub-dot]
2-101-007	Color Regist Adjust	Main/Sub Scan Initial Value: C	ENG*	[-47 to 47 / 0 / 1sub-dot]
2-101-008	Color Regist Adjust	Main/Sub Scan Initial Value: M	ENG*	[-47 to 47 / 0 / 1sub-dot]
2-101-009	Color Regist Adjust	Main/Sub Scan Initial Value: Y	ENG*	[-47 to 47 / 0 / 1sub-dot]
2-101-011	Color Regist Adjust	Main Phase Initial Value: K	ENG*	[0 to 1000 / 0 / 1us]
2-101-012	Color Regist Adjust	Main Phase Initial Value: C	ENG*	[0 to 1000 / 0 / 1us]
2-101-013	Color Regist Adjust	Main Phase Initial Value: M	ENG*	[0 to 1000 / 0 / 1us]
2-101-014	Color Regist Adjust	Main Phase Initial Value: Y	ENG*	[0 to 1000 / 0 / 1us]
2-101-021	Color Regist Adjust	Main Beam Pitch Adj: KC	ENG*	[1500 to 1900 / 1698 / 1um]
2-101-023	Color Regist Adjust	Main Beam Pitch Adj: MY	ENG*	[1500 to 1900 / 1698 / 1um]
2-101-036	Color Regist Adjust	Sub Scan Initial Value: K	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-037	Color Regist Adjust	Sub Scan Initial Value: C	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-038	Color Regist Adjust	Sub Scan Initial Value: M	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-	Color Regist Adjust	Sub Scan Initial Value: Y	ENG*	[-4096 to 4095 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
039				1line]
2-101-041	Color Regist Adjust	Main Cor Revision Amt: C	ENG*	[-512 to 511 / 0 / 1dot]
2-101-042	Color Regist Adjust	Main Cor Revision Amt: M	ENG*	[-512 to 511 / 0 / 1dot]
2-101-043	Color Regist Adjust	Main Cor Revision Amt: Y	ENG*	[-512 to 511 / 0 / 1dot]
2-101-045	Color Regist Adjust	Main/Sub Cor Revision Amt: C	ENG*	[-1 to 1 / 0 / 0.01dot]
2-101-046	Color Regist Adjust	Main/Sub Cor Revision Amt: M	ENG*	[-1 to 1 / 0 / 0.01dot]
2-101-047	Color Regist Adjust	Main/Sub Cor Revision Amt: Y	ENG*	[-1 to 1 / 0 / 0.01dot]
2-101-049	Color Regist Adjust	Sub Cor Revision Amt: C	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-050	Color Regist Adjust	Sub Cor Revision Amt: M	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-051	Color Regist Adjust	Sub Cor Revision Amt: Y	ENG*	[-4096 to 4095 / 0 / 1line]
2-101-053	Color Regist Adjust	Sub Cor Revision Amt: C 81%	ENG*	[-4096 to 4095 / -1 / 1line]
2-101-054	Color Regist Adjust	Sub Cor Revision Amt: M 81%	ENG*	[-4096 to 4095 / -2 / 1line]
2-101-055	Color Regist Adjust	Sub Cor Revision Amt: Y 81%	ENG*	[-4096 to 4095 / -2 / 1line]
2-101-060	Color Regist Adjust	Left Sub Mag.: C	ENG*	[-100 to 100 / 0 / 0.01dot]
2-101-061	Color Regist Adjust	Right Sub Mag.: C	ENG*	[-100 to 100 / 0 / 0.01dot]
2-101-062	Color Regist Adjust	Left Sub Mag.: M	ENG*	[-100 to 100 / 0 / 0.01dot]
2-101-063	Color Regist Adjust	Right Sub Mag.: M	ENG*	[-100 to 100 / 0 / 0.01dot]
2-101-064	Color Regist Adjust	Left Sub Mag.: Y	ENG*	[-100 to 100 / 0 / 0.01dot]
2-101-	Color Regist Adjust	Right Sub Mag.: Y	ENG*	[-100 to 100 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
065				0.01dot]
2-102-001	Magnification Adjustment	Main Mag.: K	ENG*	[0 to 255 / 123 / 1]
2-102-007	Magnification Adjustment	Main Mag.: M	ENG*	[0 to 255 / 123 / 1]
2-102-016	Magnification Adjustment	Main/Sub: K	ENG*	[-15264 to 15264 / 0 / 1sub-dot]
2-102-019	Magnification Adjustment	Main/Sub: C	ENG*	[-15264 to 15264 / 0 / 1sub-dot]
2-102-022	Magnification Adjustment	Main/Sub: M	ENG*	[-15264 to 15264 / 0 / 1sub-dot]
2-102-025	Magnification Adjustment	Main/Sub: Y	ENG*	[-15264 to 15264 / 0 / 1sub-dot]
2-102-031	Magnification Adjustment	Main Paper Int. Sub: K	ENG	[-15264 to 15264 / 0 / 1sub-dot]
2-102-032	Magnification Adjustment	Main Paper Int. Sub: C	ENG	[-15264 to 15264 / 0 / 1sub-dot]
2-102-033	Magnification Adjustment	Main Paper Int. Sub: M	ENG	[-15264 to 15264 / 0 / 1sub-dot]
2-102-034	Magnification Adjustment	Main Paper Int. Sub: Y	ENG	[-15264 to 15264 / 0 / 1sub-dot]
2-102-041	Magnification Adjustment	Recto Main Mag set & Adj	ENG*	[-0.5 to 0.3 / 0 / 0.025%]
2-102-043	Magnification Adjustment	Verso Main Mag set & Adj	ENG	[-0.5 to 0.3 / 0 / 0.025%]
2-102-051	Magnification Adjustment	Recto Sub Mag T1	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-052	Magnification Adjustment	Recto Sub Mag T2	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-053	Magnification Adjustment	Recto Sub Mag T3	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-054	Magnification Adjustment	Recto Sub Mag T4	ENG	[-0.5 to 0.5 / 0.2 / 0.025%]
2-102-055	Magnification Adjustment	Recto Sub Mag T5	ENG	[-0.5 to 0.5 / 0.2 / 0.025%]
2-102-	Magnification	Recto Sub Mag T6	ENG	[-0.5 to 0.5 / 0.2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056	Adjustment			0.025%
2-102-057	Magnification Adjustment	Recto Sub Mag T7	ENG	[-0.5 to 0.5 / 0.2 / 0.025%]
2-102-058	Magnification Adjustment	Recto Sub Mag T8	ENG	[-0.5 to 0.5 / 0.2 / 0.025%]
2-102-059	Magnification Adjustment	Recto Sub Mag T9	ENG	[-0.5 to 0.5 / 0.2 / 0.025%]
2-102-061	Magnification Adjustment	Verso Sub Mag T1	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-062	Magnification Adjustment	Verso Sub Mag T2	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-063	Magnification Adjustment	Verso Sub Mag T3	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-102-064	Magnification Adjustment	Verso Sub Mag T4	ENG	[-0.5 to 0.5 / 0.3 / 0.025%]
2-102-065	Magnification Adjustment	Verso Sub Mag T5	ENG	[-0.5 to 0.5 / 0.3 / 0.025%]
2-102-066	Magnification Adjustment	Verso Sub Mag T6	ENG	[-0.5 to 0.5 / 0.3 / 0.025%]
2-102-067	Magnification Adjustment	Verso Sub Mag T7	ENG	[-0.5 to 0.5 / 0.3 / 0.025%]
2-102-068	Magnification Adjustment	Verso Sub Mag T8	ENG	[-0.5 to 0.5 / 0.3 / 0.025%]
2-102-069	Magnification Adjustment	Verso Sub Mag T9	ENG	[-0.5 to 0.5 / 0 / 0.025%]
2-103-001	Erase Margin Adjustment	Lead Edge Width	ENG	[0 to 9 / 4 / 0.1mm]
2-103-002	Erase Margin Adjustment	Trail. Edge Width	ENG	[0 to 9 / 4 / 0.1mm]
2-103-003	Erase Margin Adjustment	Left	ENG	[0 to 9 / 2 / 0.1mm]
2-103-004	Erase Margin Adjustment	Right	ENG	[0 to 9 / 2 / 0.1mm]
2-104-002	Skew Adjustment	Manual C	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-	Skew Adjustment	Manual M	ENG*	[-100 to 100 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				1pulse]
2-104-004	Skew Adjustment	Manual Y	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-006	Skew Adjustment	Accumulation present value K	ENG*	[-50 to 50 / 0 / 1pulse]
2-104-007	Skew Adjustment	Accumulation present value C	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-008	Skew Adjustment	Accumulation present value M	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-009	Skew Adjustment	Accumulation present value Y	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-011	Skew Adjustment	Accumulation MUSIC value C	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-012	Skew Adjustment	Accumulation MUSIC value M	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-013	Skew Adjustment	Accumulation MUSIC value Y	ENG*	[-100 to 100 / 0 / 1pulse]
2-104-020	Skew Adjustment	Phase pattern K	ENG*	[1 to 4 / 1 / 1]
2-104-021	Skew Adjustment	Phase pattern C	ENG*	[1 to 4 / 1 / 1]
2-104-022	Skew Adjustment	Phase pattern M	ENG*	[1 to 4 / 1 / 1]
2-104-023	Skew Adjustment	Phase pattern Y	ENG*	[1 to 4 / 1 / 1]
2-104-030	Skew Adjustment	Clear Revision K	ENG	[0 to 1 / 0 / 1]
2-104-031	Skew Adjustment	Clear Revision C	ENG	[0 to 1 / 0 / 1]
2-104-032	Skew Adjustment	Clear Revision M	ENG	[0 to 1 / 0 / 1]
2-104-033	Skew Adjustment	Clear Revision Y	ENG	[0 to 1 / 0 / 1]
2-104-040	Skew Adjustment	Manual K CE	ENG*	[-10 to 10 / 0 / 1pulse]
2-104-	Skew Adjustment	Manual K User	ENG*	[-10 to 10 / 0 / 1pulse]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
041				
2-106-001	Polygon Rotation Time	Warming-Up	ENG*	[0 to 60 / 10 / 1sec]
2-106-002	Polygon Rotation Time	Job End	ENG*	[0 to 60 / 0 / 1sec]
2-107-001	Image Parameter	Shading Correction Flag	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-002	Image Parameter	Image Gamma Flag	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-005	Image Parameter	Dot Stabilize Revision	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-107-006	Image Parameter	BowSkew Revision	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-007	Image Parameter	Sub Mag Adj Revision K1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-008	Image Parameter	Sub Mag Adj Revision K2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-009	Image Parameter	Sub Mag Adj Revision W1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-010	Image Parameter	Sub Mag Adj Revision W2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-011	Image Parameter	Sub Mag Adj Rev 600dpi K1	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-107-012	Image Parameter	Trapezoid Adj ON/OFF	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-	Image Parameter	Sub Mag Adj Revision K3	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				0: OFF 1: ON
2-107-019	Image Parameter	Sub Mag Adj Revision Gray	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-107-020	Image Parameter	Sub Scan Revision 1spl	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-107-021	Image Parameter	Sub Mag Adj Parameter Change	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-107-022	Image Parameter	Polygon MY Start Setting	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-030	Image Parameter	Duplex Erase Margin T Edge	ENG	[0 to 1 / 1 / 1mm] 0: OFF 1: ON
2-108-001	Image Parameter	K/C Writing Unit	ENG	[0 to 1 / 0 / 1]
2-108-002	Image Parameter	Y/M Writing Unit	ENG	[0 to 1 / 0 / 1]
2-109-003	Test Pattern	Pattern Selection	ENG	[0 to 27 / 0 / 1] 0: Copy Image Data 1: Vertical Line 1dot 2: Vertical Line 2dot 3: Horizontal Line 1dot 4: Horizontal Line 2dot 5: Grid Vertical Line 6: Grid Horizontal Line 7: Grid Pattern Small 8: Grid Pattern Large 9: Argyle Pattern Small 10: Argyle Pattern Large 11: Independent Pattern (1dot) 12: Independent Pattern (2dot)

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				13: Independent Pattern (4dot) 14: Trimming Area 15: Hound's Tooth Check1 Vertical 16: Hound's Tooth Check2 Vertical 17: Band (Horizontal) 18: Band (Vertical) 19: Checker Flag Pattern 20: Grayscale Vertical Margin 21: Grayscale Horizontal Margin 22: 4800dpi Step Pattern (1dot) 23: 4800dpi Step Pattern (2dot) 24: 4800dpi Step Pattern (1dot) 25: 4800dpi Step Pattern (2dot) 26: Full Dot Pattern 27: None
2-109-005	Test Pattern	Color Selection	ENG	[1 to 5 / 1 / 1] 1: Full Color 2: Cyan 3: Magenta 4: Yellow 5: Black
2-109-006	Test Pattern	Density: K	ENG	[0 to 15 / 15 / 1]
2-109-007	Test Pattern	Density: C	ENG	[0 to 15 / 15 / 1]
2-109-008	Test Pattern	Density: M	ENG	[0 to 15 / 15 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-109-009	Test Pattern	Density: Y	ENG	[0 to 15 / 15 / 1]
2-111-001	Forced Line Position Adj	Mode a	ENG	[0 to 1 / 0 / 1]
2-111-002	Forced Line Position Adj	Mode b	ENG	[0 to 1 / 0 / 1]
2-111-003	Forced Line Position Adj	Mode c	ENG	[0 to 1 / 0 / 1]
2-111-004	Forced Line Position Adj	Mode d	ENG	[0 to 1 / 0 / 1]
2-112-001	TM/P-Sensor Test	Execute	ENG	[0 to 1 / 0 / 1]
2-112-010	TM/P-Sensor Test	General	ENG*	[0 to 9999 / 0 / 1]
2-112-011	TM/P-Sensor Test	Error Code: P	ENG*	[0 to 999999 / 0 / 1]
2-112-015	TM/P-Sensor Test	Error Code: Front	ENG*	[0 to 999999 / 0 / 1]
2-112-016	TM/P-Sensor Test	Error Code: Center	ENG*	[0 to 999999 / 0 / 1]
2-112-017	TM/P-Sensor Test	Error Code: Rear	ENG*	[0 to 999999 / 0 / 1]
2-112-020	TM/P-Sensor Test	Threshold Setting	ENG*	[0 to 5.5 / 1.9 / 0.01V]
2-113-001	Adj Density Diff Main Scan Dir	K	ENG*	[-10 to 10 / 0 / 1]
2-113-002	Adj Density Diff Main Scan Dir	C	ENG*	[-10 to 10 / 0 / 1]
2-113-003	Adj Density Diff Main Scan Dir	M	ENG*	[-10 to 10 / 0 / 1]
2-113-004	Adj Density Diff Main Scan Dir	Y	ENG*	[-10 to 10 / 0 / 1]
2-121-001	Erase Margin Adj	Erase Margin Adj Leading Edge	ENG*	[-3 to 6 / 0 / 0.1mm]
2-121-002	Erase Margin Adj	Erase Margin Adj Trailing Edge	ENG*	[-9 to 6 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-121-003	Erase Margin Adj	Left	ENG*	[-9 to 6 / 0 / 0.1mm]
2-121-004	Erase Margin Adj	Right	ENG*	[-9 to 6 / 0 / 0.1mm]
2-122-145	Erase Margin Adj Leading Edge	Textured:Thick1	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-146	Erase Margin Adj Leading Edge	Textured:Thick2	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-147	Erase Margin Adj Leading Edge	Textured:Thick3	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-148	Erase Margin Adj Leading Edge	Textured:Thick4	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-149	Erase Margin Adj Leading Edge	Textured:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-150	Erase Margin Adj Leading Edge	Textured:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-151	Erase Margin Adj Leading Edge	Textured:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 0 *Pro C5210S: 0
2-122-152	Erase Margin Adj Leading Edge	Textured:Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-153	Erase Margin Adj Leading Edge	Textured:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-154	Erase Margin Adj Leading Edge	Metallic/Perl:Thick3	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-155	Erase Margin Adj Leading Edge	Metallic/Perl:Thick4	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-156	Erase Margin Adj Leading Edge	Metallic/Perl:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-157	Erase Margin Adj Leading Edge	Metallic/Perl:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-158	Erase Margin Adj Leading Edge	Metallic/Perl:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-122-159	Erase Margin Adj Leading Edge	Metallic/Perl:Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-160	Erase Margin Adj Leading Edge	Metallic/Perl:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-161	Erase Margin Adj Leading Edge	Synthetic:Thick2	ENG	[-3 to 6 / *5 / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-162	Erase Margin Adj Leading Edge	Synthetic:Thick3	ENG	[-3 to 6 / *5 / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-163	Erase Margin Adj Leading Edge	Synthetic:Thick4	ENG	[-3 to 6 / *5 / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-164	Erase Margin Adj Leading Edge	Synthetic:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-165	Erase Margin Adj Leading Edge	Synthetic:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-166	Erase Margin Adj Leading Edge	Synthetic:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-167	Erase Margin Adj Leading Edge	Synthetic:Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-168	Erase Margin Adj Leading Edge	Synthetic:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-170	Erase Margin Adj Leading Edge	Uncoated:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-171	Erase Margin Adj Leading Edge	Uncoated:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-172	Erase Margin Adj Leading Edge	Matte:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-173	Erase Margin Adj Leading Edge	Matte:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-174	Erase Margin Adj Leading Edge	Glossy:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 0
2-122-175	Erase Margin Adj Leading Edge	Glossy:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-176	Erase Margin Adj Leading Edge	Magnetic	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-177	Erase Margin Adj Leading Edge	Plastic Folder	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-201	Erase Margin Adj Leading Edge	Plain:Uncoated:Thin/Thick1:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-202	Erase Margin Adj Leading Edge	Plain:Uncoated:Thin/Thick1:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-203	Erase Margin Adj Leading Edge	Plain:Uncoated:Plain1/Thick21:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-204	Erase Margin Adj Leading Edge	Plain:Uncoated:Plain1/Thick2:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-	Erase Margin Adj	Plain:Uncoated:Plain2/Thick3:FC	ENG	[-3 to 6 / * / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
205	Leading Edge			*MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-206	Erase Margin Adj Leading Edge	Plain:Uncoated:Plain2/Thick3:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-207	Erase Margin Adj Leading Edge	Plain:Uncoated:Mid-Thick/Thick4:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-208	Erase Margin Adj Leading Edge	Plain:Uncoated:Mid-Thick/Thick4:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-209	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-210	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-211	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-212	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 0 *Pro C5210S: 0
2-122-213	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-214	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-215	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-216	Erase Margin Adj Leading Edge	Plain:Uncoated:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-217	Erase Margin Adj Leading Edge	Sp1/Matte:Thin/Thick1:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-218	Erase Margin Adj Leading Edge	Sp1/Matte:Thin/Thick1:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-219	Erase Margin Adj Leading Edge	Sp1/Matte:Plain1/Thick21:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-122-220	Erase Margin Adj Leading Edge	Sp1/Matte:Plain1/Thick2:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-221	Erase Margin Adj Leading Edge	Sp1/Matte:Plain2/Thick3:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-222	Erase Margin Adj Leading Edge	Sp1/Matte:Plain2/Thick3:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-223	Erase Margin Adj Leading Edge	Sp1/Matte:Mid-Thick/Thick4:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-224	Erase Margin Adj Leading Edge	Sp1/Matte:Mid-Thick/Thick4:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-225	Erase Margin Adj Leading Edge	Sp1/Matte:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-226	Erase Margin Adj Leading Edge	Sp1/Matte:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-227	Erase Margin Adj Leading Edge	Sp1/Matte:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-228	Erase Margin Adj Leading Edge	Sp1/Matte:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-229	Erase Margin Adj Leading Edge	Sp1/Matte:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-230	Erase Margin Adj Leading Edge	Sp1/Matte:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-231	Erase Margin Adj Leading Edge	Sp1/Matte:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-232	Erase Margin Adj Leading Edge	Sp1/Matte:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-233	Erase Margin Adj Leading Edge	Glossy	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-234	Erase Margin Adj Leading Edge	Sp2/Glossy:Thin/Thick1:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1
2-122-235	Erase Margin Adj Leading Edge	Sp2/Glossy:Plain1/Thick21:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-236	Erase Margin Adj Leading Edge	Sp2/Glossy:Plain1/Thick2:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-237	Erase Margin Adj Leading Edge	Sp2/Glossy:Plain2/Thick3:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-238	Erase Margin Adj Leading Edge	Sp2/Glossy:Plain2/Thick3:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-239	Erase Margin Adj Leading Edge	Sp2/Glossy:Mid-Thick/Thick4:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-240	Erase Margin Adj Leading Edge	Sp2/Glossy:Mid-Thick/Thick4:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.5 *MP C8003: 0.5 *Pro C5200S: 1 *Pro C5210S: 1
2-122-241	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-	Erase Margin Adj	Sp2/Glossy:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
242	Leading Edge			*MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-243	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-244	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-245	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-246	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-247	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-248	Erase Margin Adj Leading Edge	Sp2/Glossy:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-249	Erase Margin Adj Leading Edge	Envelope:Thick2/Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 0 *Pro C5210S: 0
2-122-250	Erase Margin Adj Leading Edge	Envelope:Thick3/Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-251	Erase Margin Adj Leading Edge	Envelope:Thick4/Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-252	Erase Margin Adj Leading Edge	OHP	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-253	Erase Margin Adj Leading Edge	Postcard:Thick1/Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-122-254	Erase Margin Adj Leading Edge	Postcard:Thick2/Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 0.2 *MP C8003: 0.2 *Pro C5200S: 0 *Pro C5210S: 0
2-123-145	Erase Margin Adj Trailing Edge	Textured:Thick1	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-146	Erase Margin Adj Trailing Edge	Textured:Thick2	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-147	Erase Margin Adj Trailing Edge	Textured:Thick3	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-148	Erase Margin Adj Trailing Edge	Textured:Thick4	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-149	Erase Margin Adj Trailing Edge	Textured:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-150	Erase Margin Adj Trailing Edge	Textured:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-151	Erase Margin Adj Trailing Edge	Textured:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-152	Erase Margin Adj Trailing Edge	Textured:Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-153	Erase Margin Adj Trailing Edge	Textured:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-154	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick3	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-155	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick4	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-156	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-157	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-123-158	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-159	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-160	Erase Margin Adj Trailing Edge	Metallic/Perl:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-161	Erase Margin Adj Trailing Edge	Synthetic:Thick2	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-162	Erase Margin Adj Trailing Edge	Synthetic:Thick3	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-163	Erase Margin Adj Trailing Edge	Synthetic:Thick4	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-164	Erase Margin Adj Trailing Edge	Synthetic:Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-165	Erase Margin Adj Trailing Edge	Synthetic:Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-166	Erase Margin Adj Trailing Edge	Synthetic:Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-	Erase Margin Adj	Synthetic:Thick8	ENG	[-3 to 6 / * / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
167	Trailing Edge			*MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-168	Erase Margin Adj Trailing Edge	Synthetic:Thick9	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-170	Erase Margin Adj Trailing Edge	Uncoated:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-171	Erase Margin Adj Trailing Edge	Uncoated:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-172	Erase Margin Adj Trailing Edge	Matte:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-173	Erase Margin Adj Trailing Edge	Matte:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-174	Erase Margin Adj Trailing Edge	Glossy:Thick9:Fc	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-175	Erase Margin Adj Trailing Edge	Glossy:Thick9:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 0 *Pro C5210S: 0
2-123-176	Erase Margin Adj Trailing Edge	Magnetic	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-177	Erase Margin Adj Trailing Edge	Plastic Folder	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-201	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thin/Thick1:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-202	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thin/Thick1:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-203	Erase Margin Adj Trailing Edge	Plain:Uncoated:Plain1/Thick21:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-204	Erase Margin Adj Trailing Edge	Plain:Uncoated:Plain1/Thick2:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-205	Erase Margin Adj Trailing Edge	Plain:Uncoated:Plain2/Thick3:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-206	Erase Margin Adj Trailing Edge	Plain:Uncoated:Plain2/Thick3:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-207	Erase Margin Adj Trailing Edge	Plain:Uncoated:Mid- Thick/Thick4:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-208	Erase Margin Adj Trailing Edge	Plain:Uncoated:Mid- Thick/Thick4:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-209	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-210	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 0 *Pro C5210S: 0
2-123-211	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-212	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-213	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-214	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-215	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-216	Erase Margin Adj Trailing Edge	Plain:Uncoated:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-217	Erase Margin Adj Trailing Edge	Sp1/Matte:Thin/Thick1:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-218	Erase Margin Adj Trailing Edge	Sp1/Matte:Thin/Thick1:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-	Erase Margin Adj	Sp1/Matte:Plain1/Thick21:FC	ENG	[-3 to 6 / 1 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
219	Trailing Edge			
2-123-220	Erase Margin Adj Trailing Edge	Sp1/Matte:Plain1/Thick2:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-221	Erase Margin Adj Trailing Edge	Sp1/Matte:Plain2/Thick3:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-222	Erase Margin Adj Trailing Edge	Sp1/Matte:Plain2/Thick3:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-223	Erase Margin Adj Trailing Edge	Sp1/Matte:Mid-Thick/Thick4:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-224	Erase Margin Adj Trailing Edge	Sp1/Matte:Mid-Thick/Thick4:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-225	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-226	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-227	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-228	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-229	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-	Erase Margin Adj	Sp1/Matte:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
230	Trailing Edge			*MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-231	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-232	Erase Margin Adj Trailing Edge	Sp1/Matte:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-233	Erase Margin Adj Trailing Edge	Glossy	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-234	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thin/Thick1:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-235	Erase Margin Adj Trailing Edge	Sp2/Glossy:Plain1/Thick21:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-236	Erase Margin Adj Trailing Edge	Sp2/Glossy:Plain1/Thick2:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-237	Erase Margin Adj Trailing Edge	Sp2/Glossy:Plain2/Thick3:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-238	Erase Margin Adj Trailing Edge	Sp2/Glossy:Plain2/Thick3:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-239	Erase Margin Adj Trailing Edge	Sp2/Glossy:Mid-Thick/Thick4:FC	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-240	Erase Margin Adj Trailing Edge	Sp2/Glossy:Mid-Thick/Thick4:Bk	ENG	[-3 to 6 / 1 / 0.1mm]
2-123-241	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick1/Thick5:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 0
2-123-242	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick1/Thick5:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-243	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick2/Thick6:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-244	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick2/Thick6:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-245	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick3/Thick7:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-246	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick3/Thick7:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-247	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick4/Thick8:FC	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-248	Erase Margin Adj Trailing Edge	Sp2/Glossy:Thick4/Thick8:Bk	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-	Erase Margin Adj	Envelope:Thick2/Thick6	ENG	[-3 to 6 / * / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
249	Trailing Edge			*MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-250	Erase Margin Adj Trailing Edge	Envelope:Thick3/Thick7	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-251	Erase Margin Adj Trailing Edge	Envelope:Thick4/Thick8	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-252	Erase Margin Adj Trailing Edge	OHP	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-253	Erase Margin Adj Trailing Edge	Postcard:Thick1/Thick5	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-123-254	Erase Margin Adj Trailing Edge	Postcard:Thick2/Thick6	ENG	[-3 to 6 / * / 0.1mm] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0
2-141-001	TM/P-Sensor Test	Average:P-Sensor	ENG	[0 to 5.5 / 0 / 0.01V]
2-141-005	TM/P-Sensor Test	Average:Front	ENG	[0 to 5.5 / 0 / 0.01V]
2-141-006	TM/P-Sensor Test	Average:Center	ENG	[0 to 5.5 / 0 / 0.01V]
2-141-007	TM/P-Sensor Test	Average:Rear	ENG	[0 to 5.5 / 0 / 0.01V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-142-001	TM/P-Sensor Test	Maximum:P-Sensor	ENG	[0 to 5.5 / 0 / 0.01V]
2-142-005	TM/P-Sensor Test	Maximum:Front	ENG	[0 to 5.5 / 0 / 0.01V]
2-142-006	TM/P-Sensor Test	Maximum:Center	ENG	[0 to 5.5 / 0 / 0.01V]
2-142-007	TM/P-Sensor Test	Maximum:Rear	ENG	[0 to 5.5 / 0 / 0.01V]
2-143-001	TM/P-Sensor Test	Minimum:P-Sensor	ENG	[0 to 5.5 / 0 / 0.01V]
2-143-005	TM/P-Sensor Test	Minimum:Front	ENG	[0 to 5.5 / 0 / 0.01V]
2-143-006	TM/P-Sensor Test	Minimum:Center	ENG	[0 to 5.5 / 0 / 0.01V]
2-143-007	TM/P-Sensor Test	Minimum:Rear	ENG	[0 to 5.5 / 0 / 0.01V]
2-144-001	TM/P-Sensor Test	Maximum 2:P-Sensor	ENG	[0 to 5.5 / 0 / 0.01V]
2-144-005	TM/P-Sensor Test	Maximum 2:Front	ENG	[0 to 5.5 / 0 / 0.01V]
2-144-006	TM/P-Sensor Test	Maximum 2:Center	ENG	[0 to 5.5 / 0 / 0.01V]
2-144-007	TM/P-Sensor Test	Maximum 2:Rear	ENG	[0 to 5.5 / 0 / 0.01V]
2-145-001	TM/P-Sensor Test	Minimum 2:P-Sensor	ENG	[0 to 5.5 / 0 / 0.01V]
2-145-005	TM/P-Sensor Test	Minimum 2:Front	ENG	[0 to 5.5 / 0 / 0.01V]
2-145-006	TM/P-Sensor Test	Minimum 2:Center	ENG	[0 to 5.5 / 0 / 0.01V]
2-145-007	TM/P-Sensor Test	Minimum 2:Rear	ENG	[0 to 5.5 / 0 / 0.01V]
2-146-005	TM-Sensor Test	Number of Edge Detection:Front	ENG	[0 to 16 / 0 / 1]
2-146-006	TM-Sensor Test	Number of Edge Detection:Center	ENG	[0 to 16 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-146-007	TM-Sensor Test	Number of Edge Detection:Rear	ENG	[0 to 16 / 0 / 1]
2-150-001	Area Mag. Correction	Area 0: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-002	Area Mag. Correction	Area 1: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-003	Area Mag. Correction	Area 2: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-004	Area Mag. Correction	Area 3: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-005	Area Mag. Correction	Area 4: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-006	Area Mag. Correction	Area 5: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-007	Area Mag. Correction	Area 6: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-008	Area Mag. Correction	Area 7: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-009	Area Mag. Correction	Area 8: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-010	Area Mag. Correction	Area 9: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-011	Area Mag. Correction	Area 10: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-012	Area Mag. Correction	Area 11: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-013	Area Mag. Correction	Area 12: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-014	Area Mag. Correction	Area 13: K	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-015	Area Mag. Correction	Area 0: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-016	Area Mag. Correction	Area 1: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-017	Area Mag. Correction	Area 2: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-150-018	Area Mag. Correction	Area 3: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-019	Area Mag. Correction	Area 4: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-020	Area Mag. Correction	Area 5: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-021	Area Mag. Correction	Area 6: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-022	Area Mag. Correction	Area 7: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-023	Area Mag. Correction	Area 8: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-024	Area Mag. Correction	Area 9: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-025	Area Mag. Correction	Area 10: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-026	Area Mag. Correction	Area 11: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-027	Area Mag. Correction	Area 12: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-028	Area Mag. Correction	Area 13: C	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-029	Area Mag. Correction	Area 0: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-030	Area Mag. Correction	Area 1: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-031	Area Mag. Correction	Area 2: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-032	Area Mag. Correction	Area 3: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-033	Area Mag. Correction	Area 4: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-034	Area Mag. Correction	Area 5: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-035	Area Mag. Correction	Area 6: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-150-036	Area Mag. Correction	Area 7: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-037	Area Mag. Correction	Area 8: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-038	Area Mag. Correction	Area 9: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-039	Area Mag. Correction	Area 10: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-040	Area Mag. Correction	Area 11: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-041	Area Mag. Correction	Area 12: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-042	Area Mag. Correction	Area 13: M	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-043	Area Mag. Correction	Area 0: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-044	Area Mag. Correction	Area 1: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-045	Area Mag. Correction	Area 2: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-046	Area Mag. Correction	Area 3: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-047	Area Mag. Correction	Area 4: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-048	Area Mag. Correction	Area 5: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-049	Area Mag. Correction	Area 6: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-050	Area Mag. Correction	Area 7: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-051	Area Mag. Correction	Area 8: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-052	Area Mag. Correction	Area 9: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-053	Area Mag. Correction	Area 10: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-150-054	Area Mag. Correction	Area 11: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-055	Area Mag. Correction	Area 12: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-150-056	Area Mag. Correction	Area 13: Y	ENG*	[-4095 to 4095 / 0 / 1sub-dot]
2-151-001	BowSkew Setting	Initial Setting Area0 :K	ENG*	[0 to 24 / 0 / 1]
2-151-002	BowSkew Setting	Initial Setting Area1-8:K	ENG*	[0 to 65535 / 0 / 1]
2-151-003	BowSkew Setting	Initial Setting Area9-16:K	ENG*	[0 to 65535 / 0 / 1]
2-151-004	BowSkew Setting	Initial Setting Area17-24:K	ENG*	[0 to 65535 / 0 / 1]
2-151-005	BowSkew Setting	Initial Setting Area25-32:K	ENG*	[0 to 65535 / 0 / 1]
2-151-006	BowSkew Setting	Initial Setting Area33-40:K	ENG*	[0 to 65535 / 0 / 1]
2-151-007	BowSkew Setting	Initial Setting Area41-48:K	ENG*	[0 to 65535 / 0 / 1]
2-151-008	BowSkew Setting	Initial Setting Area49-56:K	ENG*	[0 to 65535 / 0 / 1]
2-151-009	BowSkew Setting	Initial Setting Area57-64:K	ENG*	[0 to 65535 / 0 / 1]
2-151-010	BowSkew Setting	Initial Setting Area65-72:K	ENG*	[0 to 65535 / 0 / 1]
2-151-011	BowSkew Setting	Initial Setting Area73-80:K	ENG*	[0 to 65535 / 0 / 1]
2-151-012	BowSkew Setting	Initial Setting Area81-85:K	ENG*	[0 to 1023 / 0 / 1]
2-151-013	BowSkew Setting	Initial Setting Area0 :C	ENG*	[0 to 24 / 0 / 1]
2-151-014	BowSkew Setting	Initial Setting Area1-8:C	ENG*	[0 to 65535 / 0 / 1]
2-151-015	BowSkew Setting	Initial Setting Area9-16:C	ENG*	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-151-016	BowSkew Setting	Initial Setting Area17-24:C	ENG*	[0 to 65535 / 0 / 1]
2-151-017	BowSkew Setting	Initial Setting Area25-32:C	ENG*	[0 to 65535 / 0 / 1]
2-151-018	BowSkew Setting	Initial Setting Area33-40:C	ENG*	[0 to 65535 / 0 / 1]
2-151-019	BowSkew Setting	Initial Setting Area41-48:C	ENG*	[0 to 65535 / 0 / 1]
2-151-020	BowSkew Setting	Initial Setting Area49-56:C	ENG*	[0 to 65535 / 0 / 1]
2-151-021	BowSkew Setting	Initial Setting Area57-64:C	ENG*	[0 to 65535 / 0 / 1]
2-151-022	BowSkew Setting	Initial Setting Area65-72:C	ENG*	[0 to 65535 / 0 / 1]
2-151-023	BowSkew Setting	Initial Setting Area73-80:C	ENG*	[0 to 65535 / 0 / 1]
2-151-024	BowSkew Setting	Initial Setting Area81-85:C	ENG*	[0 to 1023 / 0 / 1]
2-151-025	BowSkew Setting	Initial Setting Area0 :M	ENG*	[0 to 24 / 0 / 1]
2-151-026	BowSkew Setting	Initial Setting Area1-8:M	ENG*	[0 to 65535 / 0 / 1]
2-151-027	BowSkew Setting	Initial Setting Area9-16:M	ENG*	[0 to 65535 / 0 / 1]
2-151-028	BowSkew Setting	Initial Setting Area17-24:M	ENG*	[0 to 65535 / 0 / 1]
2-151-029	BowSkew Setting	Initial Setting Area25-32:M	ENG*	[0 to 65535 / 0 / 1]
2-151-030	BowSkew Setting	Initial Setting Area33-40:M	ENG*	[0 to 65535 / 0 / 1]
2-151-031	BowSkew Setting	Initial Setting Area41-48:M	ENG*	[0 to 65535 / 0 / 1]
2-151-032	BowSkew Setting	Initial Setting Area49-56:M	ENG*	[0 to 65535 / 0 / 1]
2-151-033	BowSkew Setting	Initial Setting Area57-64:M	ENG*	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-151-034	BowSkew Setting	Initial Setting Area65-72:M	ENG*	[0 to 65535 / 0 / 1]
2-151-035	BowSkew Setting	Initial Setting Area73-80:M	ENG*	[0 to 65535 / 0 / 1]
2-151-036	BowSkew Setting	Initial Setting Area81-85:M	ENG*	[0 to 1023 / 0 / 1]
2-151-037	BowSkew Setting	Initial Setting Area0 :Y	ENG*	[0 to 24 / 0 / 1]
2-151-038	BowSkew Setting	Initial Setting Area1-8:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-039	BowSkew Setting	Initial Setting Area9-16:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-040	BowSkew Setting	Initial Setting Area17-24:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-041	BowSkew Setting	Initial Setting Area25-32:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-042	BowSkew Setting	Initial Setting Area33-40:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-043	BowSkew Setting	Initial Setting Area41-48:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-044	BowSkew Setting	Initial Setting Area49-56:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-045	BowSkew Setting	Initial Setting Area57-64:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-046	BowSkew Setting	Initial Setting Area65-72:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-047	BowSkew Setting	Initial Setting Area73-80:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-048	BowSkew Setting	Initial Setting Area81-85:Y	ENG*	[0 to 1023 / 0 / 1]
2-151-061	BowSkew Setting	Revision Setting Area0 :C	ENG*	[0 to 24 / 0 / 1]
2-151-062	BowSkew Setting	Revision Setting Area1-8:C	ENG*	[0 to 65535 / 0 / 1]
2-151-063	BowSkew Setting	Revision Setting Area9-16:C	ENG*	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-151-064	BowSkew Setting	Revision Setting Area17-24:C	ENG*	[0 to 65535 / 0 / 1]
2-151-065	BowSkew Setting	Revision Setting Area25-32:C	ENG*	[0 to 65535 / 0 / 1]
2-151-066	BowSkew Setting	Revision Setting Area33-40:C	ENG*	[0 to 65535 / 0 / 1]
2-151-067	BowSkew Setting	Revision Setting Area41-48:C	ENG*	[0 to 65535 / 0 / 1]
2-151-068	BowSkew Setting	Revision Setting Area49-56:C	ENG*	[0 to 65535 / 0 / 1]
2-151-069	BowSkew Setting	Revision Setting Area57-64:C	ENG*	[0 to 65535 / 0 / 1]
2-151-070	BowSkew Setting	Revision Setting Area65-72:C	ENG*	[0 to 65535 / 0 / 1]
2-151-071	BowSkew Setting	Revision Setting Area73-80:C	ENG*	[0 to 65535 / 0 / 1]
2-151-072	BowSkew Setting	Revision Setting Area81-85:C	ENG*	[0 to 1023 / 0 / 1]
2-151-073	BowSkew Setting	Revision Setting Area0 :M	ENG*	[0 to 24 / 0 / 1]
2-151-074	BowSkew Setting	Revision Setting Area1-8:M	ENG*	[0 to 65535 / 0 / 1]
2-151-075	BowSkew Setting	Revision Setting Area9-16:M	ENG*	[0 to 65535 / 0 / 1]
2-151-076	BowSkew Setting	Revision Setting Area17-24:M	ENG*	[0 to 65535 / 0 / 1]
2-151-077	BowSkew Setting	Revision Setting Area25-32:M	ENG*	[0 to 65535 / 0 / 1]
2-151-078	BowSkew Setting	Revision Setting Area33-40:M	ENG*	[0 to 65535 / 0 / 1]
2-151-079	BowSkew Setting	Revision Setting Area41-48:M	ENG*	[0 to 65535 / 0 / 1]
2-151-080	BowSkew Setting	Revision Setting Area49-56:M	ENG*	[0 to 65535 / 0 / 1]
2-151-081	BowSkew Setting	Revision Setting Area57-64:M	ENG*	[0 to 65535 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-151-082	BowSkew Setting	Revision Setting Area65-72:M	ENG*	[0 to 65535 / 0 / 1]
2-151-083	BowSkew Setting	Revision Setting Area73-80:M	ENG*	[0 to 65535 / 0 / 1]
2-151-084	BowSkew Setting	Revision Setting Area81-85:M	ENG*	[0 to 1023 / 0 / 1]
2-151-085	BowSkew Setting	Revision Setting Area0 :Y	ENG*	[0 to 24 / 0 / 1]
2-151-086	BowSkew Setting	Revision Setting Area1-8:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-087	BowSkew Setting	Revision Setting Area9-16:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-088	BowSkew Setting	Revision Setting Area17-24:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-089	BowSkew Setting	Revision Setting Area25-32:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-090	BowSkew Setting	Revision Setting Area33-40:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-091	BowSkew Setting	Revision Setting Area41-48:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-092	BowSkew Setting	Revision Setting Area49-56:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-093	BowSkew Setting	Revision Setting Area57-64:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-094	BowSkew Setting	Revision Setting Area65-72:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-095	BowSkew Setting	Revision Setting Area73-80:Y	ENG*	[0 to 65535 / 0 / 1]
2-151-096	BowSkew Setting	Revision Setting Area81-85:Y	ENG*	[0 to 1023 / 0 / 1]
2-152-001	Area Shad. Correct. Setting	Leading Edge: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-002	Area Shad. Correct. Setting	Area 0: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-003	Area Shad. Correct. Setting	Area 1: K	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-004	Area Shad. Correct. Setting	Area 2: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-005	Area Shad. Correct. Setting	Area 3: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-006	Area Shad. Correct. Setting	Area 4: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-007	Area Shad. Correct. Setting	Area 5: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-008	Area Shad. Correct. Setting	Area 6: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-009	Area Shad. Correct. Setting	Area 7: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-010	Area Shad. Correct. Setting	Area 8: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-011	Area Shad. Correct. Setting	Area 9: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-012	Area Shad. Correct. Setting	Area 10: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-013	Area Shad. Correct. Setting	Area 11: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-014	Area Shad. Correct. Setting	Area 12: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-015	Area Shad. Correct. Setting	Area 13: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-016	Area Shad. Correct. Setting	Area 14: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-017	Area Shad. Correct. Setting	Area 15: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-018	Area Shad. Correct. Setting	Area 16: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-019	Area Shad. Correct. Setting	Area 17: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-020	Area Shad. Correct. Setting	Area 18: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-021	Area Shad. Correct. Setting	Area 19: K	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-022	Area Shad. Correct. Setting	Area 20: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-023	Area Shad. Correct. Setting	Area 21: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-024	Area Shad. Correct. Setting	Area 22: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-025	Area Shad. Correct. Setting	Area 23: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-026	Area Shad. Correct. Setting	Area 24: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-027	Area Shad. Correct. Setting	Area 25: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-028	Area Shad. Correct. Setting	Area 26: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-029	Area Shad. Correct. Setting	Area 27: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-030	Area Shad. Correct. Setting	Area 28: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-031	Area Shad. Correct. Setting	Area 29: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-032	Area Shad. Correct. Setting	Area 30: K	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-033	Area Shad. Correct. Setting	Leading Edge: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-034	Area Shad. Correct. Setting	Area 0: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-035	Area Shad. Correct. Setting	Area 1: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-036	Area Shad. Correct. Setting	Area 2: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-037	Area Shad. Correct. Setting	Area 3: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-038	Area Shad. Correct. Setting	Area 4: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-039	Area Shad. Correct. Setting	Area 5: C	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-040	Area Shad. Correct. Setting	Area 6: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-041	Area Shad. Correct. Setting	Area 7: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-042	Area Shad. Correct. Setting	Area 8: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-043	Area Shad. Correct. Setting	Area 9: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-044	Area Shad. Correct. Setting	Area 10: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-045	Area Shad. Correct. Setting	Area 11: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-046	Area Shad. Correct. Setting	Area 12: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-047	Area Shad. Correct. Setting	Area 13: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-048	Area Shad. Correct. Setting	Area 14: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-049	Area Shad. Correct. Setting	Area 15: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-050	Area Shad. Correct. Setting	Area 16: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-051	Area Shad. Correct. Setting	Area 17: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-052	Area Shad. Correct. Setting	Area 18: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-053	Area Shad. Correct. Setting	Area 19: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-054	Area Shad. Correct. Setting	Area 20: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-055	Area Shad. Correct. Setting	Area 21: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-056	Area Shad. Correct. Setting	Area 22: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-057	Area Shad. Correct. Setting	Area 23: C	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-058	Area Shad. Correct. Setting	Area 24: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-059	Area Shad. Correct. Setting	Area 25: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-060	Area Shad. Correct. Setting	Area 26: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-061	Area Shad. Correct. Setting	Area 27: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-062	Area Shad. Correct. Setting	Area 28: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-063	Area Shad. Correct. Setting	Area 29: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-064	Area Shad. Correct. Setting	Area 30: C	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-065	Area Shad. Correct. Setting	Leading Edge: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-066	Area Shad. Correct. Setting	Area 0: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-067	Area Shad. Correct. Setting	Area 1: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-068	Area Shad. Correct. Setting	Area 2: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-069	Area Shad. Correct. Setting	Area 3: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-070	Area Shad. Correct. Setting	Area 4: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-071	Area Shad. Correct. Setting	Area 5: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-072	Area Shad. Correct. Setting	Area 6: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-073	Area Shad. Correct. Setting	Area 7: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-074	Area Shad. Correct. Setting	Area 8: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-075	Area Shad. Correct. Setting	Area 9: M	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-076	Area Shad. Correct. Setting	Area 10: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-077	Area Shad. Correct. Setting	Area 11: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-078	Area Shad. Correct. Setting	Area 12: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-079	Area Shad. Correct. Setting	Area 13: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-080	Area Shad. Correct. Setting	Area 14: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-081	Area Shad. Correct. Setting	Area 15: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-082	Area Shad. Correct. Setting	Area 16: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-083	Area Shad. Correct. Setting	Area 17: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-084	Area Shad. Correct. Setting	Area 18: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-085	Area Shad. Correct. Setting	Area 19: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-086	Area Shad. Correct. Setting	Area 20: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-087	Area Shad. Correct. Setting	Area 21: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-088	Area Shad. Correct. Setting	Area 22: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-089	Area Shad. Correct. Setting	Area 23: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-090	Area Shad. Correct. Setting	Area 24: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-091	Area Shad. Correct. Setting	Area 25: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-092	Area Shad. Correct. Setting	Area 26: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-093	Area Shad. Correct. Setting	Area 27: M	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-094	Area Shad. Correct. Setting	Area 28: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-095	Area Shad. Correct. Setting	Area 29: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-096	Area Shad. Correct. Setting	Area 30: M	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-097	Area Shad. Correct. Setting	Leading Edge: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-098	Area Shad. Correct. Setting	Area 0: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-099	Area Shad. Correct. Setting	Area 1: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-100	Area Shad. Correct. Setting	Area 2: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-101	Area Shad. Correct. Setting	Area 3: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-102	Area Shad. Correct. Setting	Area 4: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-103	Area Shad. Correct. Setting	Area 5: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-104	Area Shad. Correct. Setting	Area 6: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-105	Area Shad. Correct. Setting	Area 7: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-106	Area Shad. Correct. Setting	Area 8: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-107	Area Shad. Correct. Setting	Area 9: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-108	Area Shad. Correct. Setting	Area 10: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-109	Area Shad. Correct. Setting	Area 11: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-110	Area Shad. Correct. Setting	Area 12: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-111	Area Shad. Correct. Setting	Area 13: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-152-112	Area Shad. Correct. Setting	Area 14: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-113	Area Shad. Correct. Setting	Area 15: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-114	Area Shad. Correct. Setting	Area 16: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-115	Area Shad. Correct. Setting	Area 17: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-116	Area Shad. Correct. Setting	Area 18: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-117	Area Shad. Correct. Setting	Area 19: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-118	Area Shad. Correct. Setting	Area 20: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-119	Area Shad. Correct. Setting	Area 21: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-120	Area Shad. Correct. Setting	Area 22: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-121	Area Shad. Correct. Setting	Area 23: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-122	Area Shad. Correct. Setting	Area 24: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-123	Area Shad. Correct. Setting	Area 25: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-124	Area Shad. Correct. Setting	Area 26: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-125	Area Shad. Correct. Setting	Area 27: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-126	Area Shad. Correct. Setting	Area 28: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-127	Area Shad. Correct. Setting	Area 29: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-152-128	Area Shad. Correct. Setting	Area 30: Y	ENG*	[0.875 to 1.165 / 1 / 0.001]
2-153-001	MUSIC Settings	Power ON	ENG*	[0 to 1 / 1 / 1] 0: OFF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
2-153-002	MUSIC Settings	Before Printing	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-153-003	MUSIC Settings	Writing:MUSIC	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-153-005	MUSIC Settings	During ProCon	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-153-024	MUSIC Settings	Assign Page Interval	ENG*	[1 to 999 / 100 / 1page]
2-153-029	MUSIC Settings	MUSIC Density Lvl	ENG*	[0 to 15 / 15 / 1]
2-153-030	MUSIC Settings	Clear Main Slip	ENG	[0 to 1 / 0 / 1]
2-153-031	MUSIC Settings	Clear Sub Slip	ENG	[0 to 1 / 0 / 1]
2-153-040	MUSIC Settings	Decision Temp: LD K	ENG*	[0 to 99.9 / 1 / 0.1deg]
2-153-041	MUSIC Settings	Decision Temp: LD K2	ENG*	[0 to 99.9 / 2 / 0.1deg]
2-153-050	MUSIC Settings	Decision Temp: LD M	ENG*	[0 to 99.9 / 1 / 0.1deg]
2-153-051	MUSIC Settings	Decision Temp: LD M2	ENG*	[0 to 99.9 / 2 / 0.1deg]
2-153-060	MUSIC Settings	Decision Temp Deviation: LD KM	ENG*	[0 to 99.9 / 1 / 0.1deg]
2-153-061	MUSIC Settings	Decision Temp Deviation: LD KM2	ENG*	[0 to 99.9 / 2 / 0.1deg]
2-180-001	MUSIC Monitor	Lens Temp: K	ENG	[0 to 99.9 / 0 / 0.1deg]
2-180-003	MUSIC Monitor	Lens Temp: M	ENG	[0 to 99.9 / 0 / 0.1deg]
2-180-010	MUSIC Monitor	Previous Temp: K Normal	ENG*	[0 to 99.9 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-180-012	MUSIC Monitor	Previous Temp: M Normal	ENG*	[0 to 99.9 / 0 / 0.1deg]
2-181-001	Alignment Result	General	ENG*	[0 to 9999999 / 0 / 1]
2-181-002	Alignment Result	Difference Main Left: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-003	Alignment Result	Difference Main Center: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-004	Alignment Result	Difference Main Right: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-005	Alignment Result	Difference Main Left: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-006	Alignment Result	Difference Main Center: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-007	Alignment Result	Difference Main Right: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-008	Alignment Result	Difference Main Left: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-009	Alignment Result	Difference Main Center: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-010	Alignment Result	Difference Main Right: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-014	Alignment Result	Difference Sub Left: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-015	Alignment Result	Difference Sub Center: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-016	Alignment Result	Difference Sub Right: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-017	Alignment Result	Difference Sub Left: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-018	Alignment Result	Difference Sub Center: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-019	Alignment Result	Difference Sub Right: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-020	Alignment Result	Difference Sub Left: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-181-021	Alignment Result	Difference Sub Center: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-022	Alignment Result	Difference Sub Right: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-030	Alignment Result	BowSkew Revision Left: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-031	Alignment Result	BowSkew Revision Center: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-032	Alignment Result	BowSkew Revision Right: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-033	Alignment Result	BowSkew Revision Left: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-034	Alignment Result	BowSkew Revision Center: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-035	Alignment Result	BowSkew Revision Right: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-036	Alignment Result	BowSkew Revision Left: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-037	Alignment Result	BowSkew Revision Center: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-038	Alignment Result	BowSkew Revision Right: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-042	Alignment Result	Skew Amt: C	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-043	Alignment Result	Skew Amt: M	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-181-044	Alignment Result	Skew Amt: Y	ENG*	[-2000 to 2000 / 0 / 0.001um]
2-183-001	Main Scan Length Detection	Execute : K	ENG	[0 to 1 / 0 / 1]
2-183-007	Main Scan Length Detection	Execute : M	ENG	[0 to 1 / 0 / 1]
2-184-001	Main Scan Length Target	Execute: K	ENG	[0 to 1 / 0 / 1]
2-184-002	Main Scan Length Target	Execute: C	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-184-003	Main Scan Length Target	Execute: M	ENG	[0 to 1 / 0 / 1]
2-184-004	Main Scan Length Target	Execute: Y	ENG	[0 to 1 / 0 / 1]
2-184-006	Main Scan Length Target	Count Value: K	ENG*	[0 to 300000 / 271138 / 1]
2-184-007	Main Scan Length Target	Count Value: C	ENG*	[0 to 300000 / 271138 / 1]
2-184-008	Main Scan Length Target	Count Value: M	ENG*	[0 to 300000 / 271138 / 1]
2-184-009	Main Scan Length Target	Count Value: Y	ENG*	[0 to 300000 / 271138 / 1]
2-194-007	MUSIC Execution Result	Execution Result	ENG*	[0 to 1 / 0 / 1]
2-194-008	MUSIC Execution Result	Number of Execution	ENG*	[0 to 999999 / 0 / 1times]
2-194-009	MUSIC Execution Result	Number of Failure	ENG*	[0 to 999999 / 0 / 1times]
2-194-010	MUSIC Execution Result	Error Result: C	ENG*	[0 to 9 / 0 / 1]
2-194-011	MUSIC Execution Result	Error Result: M	ENG*	[0 to 9 / 0 / 1]
2-194-012	MUSIC Execution Result	Error Result: Y	ENG*	[0 to 9 / 0 / 1]
2-199-001	Music Error Time Setting	Error Detection Counter:Normal	ENG*	[0.1 to 9.9 / 2.5 / 0.1sec]

SP Group 2000-02

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-202-001	Set AC (Fixed) Charge	AC Bias :K	ENG	[0 to 3 / 2.2 / 0.01KV]
2-202-002	Set AC (Fixed) Charge	AC Bias :C	ENG	[0 to 3 / 2.2 / 0.01KV]
2-202-003	Set AC (Fixed) Charge	AC Bias :M	ENG	[0 to 3 / 2.2 / 0.01KV]
2-202-004	Set AC (Fixed) Charge	AC Bias :Y	ENG	[0 to 3 / 2.2 / 0.01KV]
2-204-001	Set AC Environ Corr	Norm:LL:Target:K	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.86 *MP C8003: 2.25 *Pro C5200S: 1.86 *Pro C5210S: 2.25
2-204-002	Set AC Environ Corr	Norm:LL:Target:C	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-003	Set AC Environ Corr	Norm:LL:Target:M	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-004	Set AC Environ Corr	Norm:LL:Target:Y	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-006	Set AC Environ Corr	Norm:ML:Target:K	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.86 *MP C8003: 2.25 *Pro C5200S: 1.86 *Pro C5210S: 2.25
2-204-007	Set AC Environ Corr	Norm:ML:Target:C	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-008	Set AC Environ Corr	Norm:ML:Target:M	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-009	Set AC Environ Corr	Norm:ML:Target:Y	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-011	Set AC Environ Corr	Norm:MM:Target:K	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.86 *MP C8003: 2.25 *Pro C5200S: 1.86 *Pro C5210S: 2.25
2-204-012	Set AC Environ Corr	Norm:MM:Target:C	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-013	Set AC Environ Corr	Norm:MM:Target:M	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-014	Set AC Environ Corr	Norm:MM:Target:Y	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-016	Set AC Environ Corr	Norm:MH:Target:K	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.86 *MP C8003: 2.25 *Pro C5200S: 1.86

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 2.25
2-204-017	Set AC Environ Corr	Norm:MH:Target:C	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-018	Set AC Environ Corr	Norm:MH:Target:M	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-019	Set AC Environ Corr	Norm:MH:Target:Y	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-021	Set AC Environ Corr	Norm:HH:Target:K	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.86 *MP C8003: 2.25 *Pro C5200S: 1.86 *Pro C5210S: 2.25
2-204-022	Set AC Environ Corr	Norm:HH:Target:C	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-023	Set AC Environ Corr	Norm:HH:Target:M	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-024	Set AC Environ Corr	Norm:HH:Target:Y	ENG*	[1.25 to 3 / * / 0.01mA] *MP C6503: 1.96 *MP C8003: 2.35 *Pro C5200S: 1.96 *Pro C5210S: 2.35
2-204-	Set AC Environ Corr	Mid:LL:Target:K	ENG*	[*1 to *2 / *3 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026				0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.75 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.2 *3 MP C8003: 1.86 *3 Pro C5200S: 1.55 *3 Pro C5210S: 1.55
2-204-027	Set AC Environ Corr	Mid:LL:Target:C	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-028	Set AC Environ Corr	Mid:LL:Target:M	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-029	Set AC Environ Corr	Mid:LL:Target:Y	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-031	Set AC Environ Corr	Mid:ML:Target:K	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.2 *3 MP C8003: 1.86 *3 Pro C5200S: 1.55 *3 Pro C5210S: 1.55
2-204-032	Set AC Environ Corr	Mid:ML:Target:C	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-033	Set AC Environ Corr	Mid:ML:Target:M	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-034	Set AC Environ Corr	Mid:ML:Target:Y	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-204-036	Set AC Environ Corr	Mid:MM:Target:K	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.2 *3 MP C8003: 1.86 *3 Pro C5200S: 1.55 *3 Pro C5210S: 1.55
2-204-037	Set AC Environ Corr	Mid:MM:Target:C	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-038	Set AC Environ Corr	Mid:MM:Target:M	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-039	Set AC Environ Corr	Mid:MM:Target:Y	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-041	Set AC Environ Corr	Mid:MH:Target:K	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.2 *3 MP C8003: 1.86 *3 Pro C5200S: 1.55 *3 Pro C5210S: 1.55
2-204-042	Set AC Environ Corr	Mid:MH:Target:C	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-043	Set AC Environ Corr	Mid:MH:Target:M	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-044	Set AC Environ Corr	Mid:MH:Target:Y	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*3 Pro C5210S: 1.6
2-204-046	Set AC Environ Corr	Mid:HH:Target:K	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.2 *3 MP C8003: 1.86 *3 Pro C5200S: 1.55 *3 Pro C5210S: 1.55
2-204-047	Set AC Environ Corr	Mid:HH:Target:C	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-048	Set AC Environ Corr	Mid:HH:Target:M	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-049	Set AC Environ Corr	Mid:HH:Target:Y	ENG*	[*1 to *2 / *3 / 0.01mA] *1 MP C6503: 0.75 *1 MP C8003: 1.25 *1 Pro C5200S: 1 *1 Pro C5210S: 1 *2 MP C6503: 2.5 *2 MP C8003: 3 *2 Pro C5200S: 2.75 *2 Pro C5210S: 2.75 *3 MP C6503: 1.25 *3 MP C8003: 1.96 *3 Pro C5200S: 1.6 *3 Pro C5210S: 1.6
2-204-051	Set AC Environ Corr	MidLow:LL:Target:K	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-052	Set AC Environ Corr	MidLow:LL:Target:C	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-053	Set AC Environ Corr	MidLow:LL:Target:M	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-054	Set AC Environ Corr	MidLow:LL:Target:Y	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-056	Set AC Environ Corr	MidLow:ML:Target:K	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-057	Set AC Environ Corr	MidLow:ML:Target:C	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-058	Set AC Environ Corr	MidLow:ML:Target:M	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-059	Set AC Environ Corr	MidLow:ML:Target:Y	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-	Set AC Environ Corr	MidLow:MM:Target:K	ENG*	[0.75 to 2.5 / 1.2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
061				0.01mA]
2-204-062	Set AC Environ Corr	MidLow:MM:Target:C	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-063	Set AC Environ Corr	MidLow:MM:Target:M	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-064	Set AC Environ Corr	MidLow:MM:Target:Y	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-066	Set AC Environ Corr	MidLow:MH:Target:K	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-067	Set AC Environ Corr	MidLow:MH:Target:C	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-068	Set AC Environ Corr	MidLow:MH:Target:M	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-069	Set AC Environ Corr	MidLow:MH:Target:Y	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-071	Set AC Environ Corr	MidLow:HH:Target:K	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-072	Set AC Environ Corr	MidLow:HH:Target:C	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-073	Set AC Environ Corr	MidLow:HH:Target:M	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-074	Set AC Environ Corr	MidLow:HH:Target:Y	ENG*	[0.75 to 2.5 / 1.25 / 0.01mA]
2-204-076	Set AC Environ Corr	Low:LL:Target:K	ENG*	[0.75 to 2.5 / 1.15 / 0.01mA]
2-204-077	Set AC Environ Corr	Low:LL:Target:C	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-078	Set AC Environ Corr	Low:LL:Target:M	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-079	Set AC Environ Corr	Low:LL:Target:Y	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-081	Set AC Environ Corr	Low:ML:Target:K	ENG*	[0.75 to 2.5 / 1.15 / 0.01mA]
2-204-082	Set AC Environ Corr	Low:ML:Target:C	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-	Set AC Environ Corr	Low:ML:Target:M	ENG*	[0.75 to 2.5 / 1.2 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
083				0.01mA]
2-204-084	Set AC Environ Corr	Low:ML:Target:Y	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-086	Set AC Environ Corr	Low:MM:Target:K	ENG*	[0.75 to 2.5 / 1.15 / 0.01mA]
2-204-087	Set AC Environ Corr	Low:MM:Target:C	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-088	Set AC Environ Corr	Low:MM:Target:M	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-089	Set AC Environ Corr	Low:MM:Target:Y	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-091	Set AC Environ Corr	Low:MH:Target:K	ENG*	[0.75 to 2.5 / 1.15 / 0.01mA]
2-204-092	Set AC Environ Corr	Low:MH:Target:C	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-093	Set AC Environ Corr	Low:MH:Target:M	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-094	Set AC Environ Corr	Low:MH:Target:Y	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-096	Set AC Environ Corr	Low:HH:Target:K	ENG*	[0.75 to 2.5 / 1.15 / 0.01mA]
2-204-097	Set AC Environ Corr	Low:HH:Target:C	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-098	Set AC Environ Corr	Low:HH:Target:M	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-204-099	Set AC Environ Corr	Low:HH:Target:Y	ENG*	[0.75 to 2.5 / 1.2 / 0.01mA]
2-205-001	Adj/Display AC Charge	Select	ENG*	[0 to 1 / 0 / 1] 0: Auto 1: Fixed
2-205-002	Adj/Display AC Charge	Temp Threshold 1	ENG*	[0 to 50 / 3 / 1deg]
2-205-003	Adj/Display AC Charge	Temp Threshold 2	ENG	[0 to 50 / 1 / 1deg]
2-205-004	Adj/Display AC Charge	Execution Interval	ENG	[0 to 200 / 50 / 5]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-205-005	Adj/Display AC Charge	Previous Temp:BW	ENG*	[0 to 50 / 0 / 1deg]
2-205-006	Adj/Display AC Charge	Previous Temp:Col	ENG*	[0 to 50 / 0 / 1deg]
2-208-001	Chg AC Adj:Execute	Execute AC Reduction	ENG	[0 to 1 / 0 / 1]
2-209-001	Chg AC Adj:Result	From Left:YMCK	ENG*	[0 to 9999 / 0 / 1]
2-213-001	Set Dev AC Vpp	K: Std Speed	ENG*	[0 to 1400 / 0 / 1V]
2-213-002	Set Dev AC Vpp	C: Std Speed	ENG*	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-003	Set Dev AC Vpp	M: Std Speed	ENG*	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-004	Set Dev AC Vpp	Y: Std Speed	ENG*	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-005	Set Dev AC Vpp	K: Mid Speed	ENG	[0 to 1400 / 0 / 1V]
2-213-006	Set Dev AC Vpp	C: Mid Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-007	Set Dev AC Vpp	M: Mid Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-213-008	Set Dev AC Vpp	Y: Mid Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-009	Set Dev AC Vpp	K: Mid-Low Speed	ENG	[0 to 1400 / 0 / 1V]
2-213-010	Set Dev AC Vpp	C: Mid-Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-011	Set Dev AC Vpp	M: Mid-Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-012	Set Dev AC Vpp	Y: Mid-Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-013	Set Dev AC Vpp	K: Low Speed	ENG	[0 to 1400 / 0 / 1V]
2-213-014	Set Dev AC Vpp	C: Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-015	Set Dev AC Vpp	M: Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 800 *Pro C5210S: 800
2-213-016	Set Dev AC Vpp	Y: Low Speed	ENG	[0 to 1400 / * / 1V] *MP C6503: 0 *MP C8003: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 800 *Pro C5210S: 800
2-214-001	Set Dev AC Freq	K: Std Speed	ENG*	[800 to 990 / 990 / 1Hz]
2-214-002	Set Dev AC Freq	C: Std Speed	ENG*	[800 to 990 / 990 / 1Hz]
2-214-003	Set Dev AC Freq	M: Std Speed	ENG*	[800 to 990 / 990 / 1Hz]
2-214-004	Set Dev AC Freq	Y: Std Speed	ENG*	[800 to 990 / 990 / 1Hz]
2-214-005	Set Dev AC Freq	K: Mid Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-006	Set Dev AC Freq	C: Mid Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-007	Set Dev AC Freq	M: Mid Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-008	Set Dev AC Freq	Y: Mid Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-009	Set Dev AC Freq	K: Mid-Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-010	Set Dev AC Freq	C: Mid-Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-011	Set Dev AC Freq	M: Mid-Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-012	Set Dev AC Freq	Y: Mid-Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-013	Set Dev AC Freq	K: Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-014	Set Dev AC Freq	C: Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-015	Set Dev AC Freq	M: Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-214-016	Set Dev AC Freq	Y: Low Speed	ENG	[800 to 990 / 990 / 1Hz]
2-215-001	Set Dev AC Duty	K: Std Speed	ENG*	[1 to 10 / 10 / 0.1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-215-002	Set Dev AC Duty	C: Std Speed	ENG*	[1 to 10 / 10 / 0.1%]
2-215-003	Set Dev AC Duty	M: Std Speed	ENG*	[1 to 10 / 10 / 0.1%]
2-215-004	Set Dev AC Duty	Y: Std Speed	ENG*	[1 to 10 / 10 / 0.1%]
2-215-005	Set Dev AC Duty	K: Mid Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-006	Set Dev AC Duty	C: Mid Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-007	Set Dev AC Duty	M: Mid Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-008	Set Dev AC Duty	Y: Mid Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-009	Set Dev AC Duty	K: Mid-Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-010	Set Dev AC Duty	C: Mid-Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-011	Set Dev AC Duty	M: Mid-Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-012	Set Dev AC Duty	Y: Mid-Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-013	Set Dev AC Duty	K: Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-014	Set Dev AC Duty	C: Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-015	Set Dev AC Duty	M: Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-215-016	Set Dev AC Duty	Y: Low Speed	ENG	[1 to 10 / 10 / 0.1%]
2-217-001	Dev Rvs:Set	Threshould Counter	ENG*	[0 to 999999 / 6000 / 1m]
2-217-005	Dev Rvs:Set	Dev Rvs:Counter	ENG*	[0 to 0xFFFFFFFF / 0 / 1m]
2-217-011	Dev Rvs:Set	Dev Rvs:Time	ENG*	[0 to 200 / 85 / 1msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-220-001	Chg Roll Cleaning Timing	Execution Timing	ENG*	[0 to 2 / 2 / 1] 0: No Operation 1: PowerON & Distance 2: Distance
2-221-001	Chg Roll Cleaning Timing	Execution Interval:K	ENG*	[0 to 999999 / 1000000 / 100cm]
2-221-002	Chg Roll Cleaning Timing	Execution Interval:C	ENG*	[0 to 999999 / 1000000 / 100cm]
2-221-003	Chg Roll Cleaning Timing	Execution Interval:M	ENG*	[0 to 999999 / 1000000 / 100cm]
2-221-004	Chg Roll Cleaning Timing	Execution Interval:Y	ENG*	[0 to 999999 / 1000000 / 100cm]
2-221-006	Chg Roll Cleaning Timing	Distance:K	ENG*	[0 to 9999999 / 0 / 1cm]
2-221-007	Chg Roll Cleaning Timing	Distance:C	ENG*	[0 to 9999999 / 0 / 1cm]
2-221-008	Chg Roll Cleaning Timing	Distance:M	ENG*	[0 to 9999999 / 0 / 1cm]
2-221-009	Chg Roll Cleaning Timing	Distance:Y	ENG*	[0 to 9999999 / 0 / 1cm]
2-221-011	Chg Roll Cleaning Timing	Delay at Power On:K	ENG*	[0 to 99999 / 500000 / 100cm]
2-221-012	Chg Roll Cleaning Timing	Delay at Power On:C	ENG*	[0 to 99999 / 500000 / 100cm]
2-221-013	Chg Roll Cleaning Timing	Delay at Power On:M	ENG*	[0 to 99999 / 500000 / 100cm]
2-221-014	Chg Roll Cleaning Timing	Delay at Power On:Y	ENG*	[0 to 99999 / 500000 / 100cm]
2-221-016	Chg Roll Cleaning Timing	Execute Interruption	ENG*	[0 to 99999 / 1000000 / 100cm]
2-222-001	Chg Roll Cleaning Execute	all	ENG	[0 to 1 / 0 / 1]
2-222-017	Chg Roll Cleaning Timing	Cleaner Contact Time	ENG*	[1 to 16 / 9 / 1sec]
2-224-001	Set QL Power	Norm Image	ENG*	[0 to 100 / * / 1%] *MP C6503: 65

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 80 *Pro C5200S: 65 *Pro C5210S: 80
2-224-002	Set QL Power	Norm Non-Image	ENG*	[0 to 100 / * / 1%] *MP C6503: 65 *MP C8003: 80 *Pro C5200S: 65 *Pro C5210S: 80
2-224-003	Set QL Power	Mid Image	ENG*	[0 to 100 / * / 1%] *MP C6503: 40 *MP C8003: 65 *Pro C5200S: 56 *Pro C5210S: 56
2-224-004	Set QL Power	Mid Non-Image	ENG*	[0 to 100 / * / 1%] *MP C6503: 40 *MP C8003: 65 *Pro C5200S: 56 *Pro C5210S: 56
2-224-005	Set QL Power	MidLow Image	ENG*	[0 to 100 / 40 / 1%]
2-224-006	Set QL Power	MidLow Non-Image	ENG*	[0 to 100 / 40 / 1%]
2-224-007	Set QL Power	Low Image	ENG*	[0 to 100 / 36 / 1%]
2-224-008	Set QL Power	Low Non-Image	ENG*	[0 to 100 / 36 / 1%]
2-225-001	Cleaning Speed:Col	Standard Speed	ENG*	[100 to 500 / * / 1] *MP C6503: 207 *MP C8003: 211 *Pro C5200S: 207 *Pro C5210S: 211
2-225-002	Cleaning Speed:Col	Middle Speed	ENG*	[100 to 500 / * / 1] *MP C6503: 141 *MP C8003: 211 *Pro C5200S: 183 *Pro C5210S: 183
2-225-	Cleaning Speed:Col	Middle-Low Speed	ENG*	[100 to 500 / 141 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
2-225-004	Cleaning Speed:Col	Low Speed	ENG*	[100 to 500 / 130 / 1]
2-225-006	Cleaning Speed:Col	Period of Revs1	ENG*	[0 to 400000 / 500000 / 100m]
2-225-007	Cleaning Speed:Col	Period of Revs2	ENG*	[0 to 400000 / 1500000 / 100m]
2-225-008	Cleaning Speed:Col	Period of Revs3	ENG*	[0 to 400000 / 4000000 / 100m]
2-225-009	Cleaning Speed:Col	Period of Revs4	ENG*	[0 to 400000 / 3000000 / 100m]
2-225-013	Cleaning Speed:Col	Distance Coefficient1	ENG*	[0.5 to 2 / 1 / 0.01]
2-225-014	Cleaning Speed:Col	Distance Coefficient2	ENG*	[0.5 to 2 / 1 / 0.01]
2-225-015	Cleaning Speed:Col	Distance Coefficient3	ENG*	[0.5 to 2 / 1 / 0.01]
2-225-016	Cleaning Speed:Col	Distance Coefficient4	ENG*	[0.5 to 2 / 1 / 0.01]
2-225-017	Cleaning Speed:Col	Distance Coefficient5	ENG*	[0.5 to 2 / 1 / 0.01]
2-225-020	Cleaning Speed:Col	Special Mode Selection:K	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-225-021	Cleaning Speed:Col	Special Mode Selection:C	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-225-022	Cleaning Speed:Col	Special Mode Selection:M	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-225-023	Cleaning Speed:Col	Special Mode Selection:Y	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-225-024	Cleaning Speed:Col	Special Mode Coefficient1	ENG*	[0.5 to 2 / 1.2 / 0.01]
2-225-	Cleaning Speed:Col	Special Mode Coefficient2	ENG*	[0.5 to 2 / 1.2 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
025				
2-225-026	Cleaning Speed:Col	Special Mode Coefficient3	ENG*	[0.5 to 2 / 1.2 / 0.01]
2-225-027	Cleaning Speed:Col	Special Mode Coefficient4	ENG*	[0.5 to 2 / 1.2 / 0.01]
2-225-028	Cleaning Speed:Col	Special Mode Coefficient5	ENG*	[0.5 to 2 / 1.2 / 0.01]
2-225-032	Cleaning Speed:Col	Environ Coefficient 1	ENG*	[0.5 to 2 / 0.7 / 0.01]
2-225-033	Cleaning Speed:Col	Environ Coefficient 2	ENG*	[0.5 to 2 / 0.83 / 0.01]
2-225-034	Cleaning Speed:Col	Environ Coefficient 3	ENG*	[0.5 to 2 / 0.96 / 0.01]
2-225-035	Cleaning Speed:Col	Environ Coefficient 4	ENG*	[0.5 to 2 / 1.1 / 0.01]
2-225-036	Cleaning Speed:Col	Environ Coefficient 5	ENG*	[0.5 to 2 / 1.3 / 0.01]
2-225-037	Cleaning Speed:Col	Environ Coefficient 6	ENG*	[0.5 to 2 / 1.5 / 0.01]
2-225-038	Cleaning Speed:Col	Environ Coefficient 7	ENG*	[0.5 to 2 / 1.63 / 0.01]
2-225-039	Cleaning Speed:Col	Environ Coefficient 8	ENG*	[0.5 to 2 / 1.76 / 0.01]
2-225-040	Cleaning Speed:Col	Environ Coefficient 9	ENG*	[0.5 to 2 / 1.9 / 0.01]
2-225-041	Cleaning Speed:Col	Environ Coefficient 10	ENG*	[0.5 to 2 / 2 / 0.01]
2-225-045	Cleaning Speed:Col	DEMS Mode Control	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-225-046	Cleaning Speed:Col	DEMS Mode No. of Rotations	ENG*	[100 to 500 / 260 / 1]
2-225-050	Cleaning Speed:Col	No. of Rotations:Special Variable1	ENG*	[0 to 2 / 1 / 1] 0: OFF 1: ON +1 2: ON -1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-225-051	Cleaning Speed:Col	No. of Rotations:Special Variable2	ENG*	[0 to 2 / 0 / 1] 0: OFF 1: ON +1 2: ON -1
2-225-052	Cleaning Speed:Col	No. of Rotations:Special Variable3	ENG*	[0 to 2 / 0 / 1] 0: OFF 1: ON +1 2: ON -1
2-225-055	Cleaning Speed:Col	No. of Rotations:Threshold1-1	ENG*	[0 to 999 / 330 / 1]
2-225-056	Cleaning Speed:Col	No. of Rotations:Threshold1-2	ENG*	[0 to 999 / 375 / 1]
2-225-057	Cleaning Speed:Col	No. of Rotations:Threshold2-1	ENG*	[0 to 999 / 130 / 1]
2-225-058	Cleaning Speed:Col	No. of Rotations:Threshold2-2	ENG*	[0 to 999 / 140 / 1]
2-225-059	Cleaning Speed:Col	No. of Rotations:Threshold3-1	ENG*	[0 to 999 / 160 / 1]
2-225-060	Cleaning Speed:Col	No. of Rotations:Threshold3-2	ENG*	[0 to 999 / 170 / 1]
2-231-001	Cont High Q Img: CPM Down Mode	Shift Threshold	ENG	[0 to 100 / 53 / 1%]
2-231-002	Cont High Q Img: CPM Down Mode	Stop Threshold	ENG	[0 to 100 / 45 / 1%]
2-231-003	Cont High Q Img: CPM Down Mode	CPM Value	ENG	[0 to 100 / 70 / 1%]
2-231-004	Cont High Q Img: CPM Down Mode	Cleaning Blade Worn-out Threshold	ENG	[0 to 99999999 / 0 / 1m]
2-231-011	Cont High Q Img: CPM Down Mode	DC Avg.:LL:K	ENG*	[0 to 100 / 5 / 0.01%]
2-231-012	Cont High Q Img: CPM Down Mode	DC Avg.:LL:C	ENG*	[0 to 100 / 5 / 0.01%]
2-231-013	Cont High Q Img: CPM Down Mode	DC Avg.:LL:M	ENG*	[0 to 100 / 5 / 0.01%]
2-231-014	Cont High Q Img: CPM Down Mode	DC Avg.:LL:Y	ENG*	[0 to 100 / 5 / 0.01%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-231-021	Cont High Q Img: CPM Down Mode	TotalPage:LL:Set	ENG*	[1 to 65535 / 300 / 1counts]
2-241-001	Temperature/Humidity: Display	AIT Temperature	ENG	[-1280 to 1270 / 0 / 0.1deg]
2-241-002	Temperature/Humidity: Display	Exec Interval: Extra Fan Control	ENG*	[1 to 3600 / 10 / 1sec]
2-241-003	Imaging Maximum Temperature	Imaging Maximum Temperature	ENG*	[-30 to 100 / 0 / 1deg]
2-250-001	Gap Extension: Stop Imaging	Paper Interval Stop ON/OFF	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-250-003	Gap Extension: Stop Imaging	Development ON/OFF	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-250-011	Gap Extension: Stop Imaging	Imaging Start Time:S Speed:BW	ENG	[0 to 10000 / * / 10msec] *MP C6503: 990 *MP C8003: 960 *Pro C5200S: 2770 *Pro C5210S: 2770
2-250-012	Gap Extension: Stop Imaging	Imaging Start Time:M Speed:BW	ENG	[0 to 10000 / * / 10msec] *MP C6503: 990 *MP C8003: 990 *Pro C5200S: 2770 *Pro C5210S: 2770
2-250-013	Gap Extension: Stop Imaging	Imaging Start Time:ML Speed:BW	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1050 *MP C8003: 1050 *Pro C5200S: 2770 *Pro C5210S: 2770
2-250-014	Gap Extension: Stop Imaging	Imaging Start Time:L Speed:BW	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1080 *MP C8003: 1080 *Pro C5200S: 2770

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 2770
2-250-021	Gap Extension: Stop Imaging	Imaging Start Time:S Speed:FC	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1140 *MP C8003: 1110 *Pro C5200S: 4010 *Pro C5210S: 4010
2-250-022	Gap Extension: Stop Imaging	Imaging Start Time:M Speed:FC	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1160 *MP C8003: 1160 *Pro C5200S: 4010 *Pro C5210S: 4010
2-250-023	Gap Extension: Stop Imaging	Imaging Start Time:ML Speed:FC	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1200 *MP C8003: 1200 *Pro C5200S: 4010 *Pro C5210S: 4010
2-250-024	Gap Extension: Stop Imaging	Imaging Start Time:L Speed:FC	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1230 *MP C8003: 1230 *Pro C5200S: 4010 *Pro C5210S: 4010
2-250-031	Gap Extension: Stop Imaging	Imaging Stop Time:S Speed:BW	ENG	[0 to 10000 / * / 10msec] *MP C6503: 1990 *MP C8003: 1670 *Pro C5200S: 1990 *Pro C5210S: 1670
2-250-032	Gap Extension: Stop Imaging	Imaging Stop Time:M Speed:BW	ENG	[0 to 10000 / 23100 / 10msec]
2-250-033	Gap Extension: Stop Imaging	Imaging Stop Time:M L Speed:BW	ENG	[0 to 10000 / 32400 / 10msec]
2-250-034	Gap Extension: Stop Imaging	Imaging Stop Time:Low Speed:BW	ENG	[0 to 10000 / 36000 / 10msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-250-041	Gap Extension: Stop Imaging	Imaging Stop Time:S Speed:FC	ENG	[0 to 10000 / * / 10msec] *MP C6503: 4470 *MP C8003: 3970 *Pro C5200S: 4470 *Pro C5210S: 3970
2-250-042	Gap Extension: Stop Imaging	Imaging Stop Time:M Speed:FC	ENG	[0 to 10000 / 49200 / 10msec]
2-250-043	Gap Extension: Stop Imaging	Imaging Stop Time:M L Speed:FC	ENG	[0 to 10000 / 61800 / 10msec]
2-250-044	Gap Extension: Stop Imaging	Imaging Stop Time:Low Speed:FC	ENG	[0 to 10000 / 66700 / 10msec]
2-250-051	Gap Extension: Stop Imaging	Dev. Stop Thres.Time:S Speed	ENG	[0 to 10000 / 14000 / 10msec]
2-250-052	Gap Extension: Stop Imaging	Dev. Stop Thres.Time:M Speed	ENG	[0 to 10000 / 14000 / 10msec]
2-250-053	Gap Extension: Stop Imaging	Dev. Stop Thres.Time:M L Speed	ENG	[0 to 10000 / 14000 / 10msec]
2-250-054	Gap Extension: Stop Imaging	Dev. Stop Thres.Time:L Speed	ENG	[0 to 10000 / 14000 / 10msec]
2-251-001	Gap Extension: Stop Imaging	Imaging Stop Time Allowance	ENG	[0 to 10000 / 3000 / 10msec]
2-251-003	Gap Extension: Stop Imaging	Dev. Stop Time Allowance	ENG	[0 to 10000 / 1000 / 10msec]
2-251-010	Gap Extension: Stop Imaging	Dev. Stop Limit Time:S Speed	ENG	[0 to 10000 / * / 100ms] *MP C6503: 6300 *MP C8003: 5800 *Pro C5200S: 6300 *Pro C5210S: 5800
2-251-011	Gap Extension: Stop Imaging	Dev. Stop Limit Time:M Speed	ENG	[0 to 10000 / 670000 / 100ms]
2-251-012	Gap Extension: Stop Imaging	Dev. Stop Limit Time:M L Speed	ENG	[0 to 10000 / 800000 / 100ms]
2-251-013	Gap Extension: Stop Imaging	Dev. Stop Limit Time:L Speed	ENG	[0 to 10000 / 850000 / 100ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-301-001	Current Value:FC	Side1:ITB K	ENG	[0 to 70 / 0 / 1uA]
2-301-002	Current Value:FC	Side1:ITB C	ENG	[0 to 70 / 0 / 1uA]
2-301-003	Current Value:FC	Side1:ITB M	ENG	[0 to 70 / 0 / 1uA]
2-301-004	Current Value:FC	Side1:ITB Y	ENG	[0 to 70 / 0 / 1uA]
2-301-006	Current Value:FC	Side1:PTR AC	ENG	[0 to 14 / 0 / 0.1kV]
2-301-007	Current Value:FC	Side1:PTR DC	ENG	[-400 to 0 / 0 / 1uA]
2-301-011	Current Value:FC	Side2:ITB K	ENG	[0 to 70 / 0 / 1uA]
2-301-012	Current Value:FC	Side2:ITB C	ENG	[0 to 70 / 0 / 1uA]
2-301-013	Current Value:FC	Side2:ITB M	ENG	[0 to 70 / 0 / 1uA]
2-301-014	Current Value:FC	Side2:ITB Y	ENG	[0 to 70 / 0 / 1uA]
2-301-016	Current Value:FC	Side2:PTR AC	ENG	[0 to 14 / 0 / 0.1kV]
2-301-017	Current Value:FC	Side2:PTR DC	ENG	[-400 to 0 / 0 / 1uA]
2-302-001	Current Value:BW	Side1:ITB K	ENG	[0 to 70 / 0 / 1uA]
2-302-006	Current Value:BW	Side1:PTR AC	ENG	[0 to 14 / 0 / 0.1kV]
2-302-007	Current Value:BW	Side1:PTR DC	ENG	[-400 to 0 / 0 / 1uA]
2-302-011	Current Value:BW	Side2:ITB K	ENG	[0 to 70 / 0 / 1uA]
2-302-016	Current Value:BW	Side2:PTR AC	ENG	[0 to 14 / 0 / 0.1kV]
2-302-017	Current Value:BW	Side2:PTR DC	ENG	[-400 to 0 / 0 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-311-001	Current R Level	ITB K	ENG*	[0 to 9 / 0 / 1]
2-311-002	Current R Level	ITB C	ENG*	[0 to 9 / 0 / 1]
2-311-003	Current R Level	ITB M	ENG*	[0 to 9 / 0 / 1]
2-311-004	Current R Level	ITB Y	ENG*	[0 to 9 / 0 / 1]
2-311-007	Current R Level	PTR	ENG*	[0 to 9 / 0 / 1]
2-311-011	Current R Division	ITB K	ENG*	[0 to 6 / 3 / 1]
2-311-012	Current R Division	ITB C	ENG*	[0 to 6 / 3 / 1]
2-311-013	Current R Division	ITB M	ENG*	[0 to 6 / 3 / 1]
2-311-014	Current R Division	ITB Y	ENG*	[0 to 6 / 3 / 1]
2-311-017	Current R Division	PTR	ENG*	[0 to 6 / 3 / 1]
2-311-018	Current R Division	PTR CV	ENG*	[0 to 35 / 19 / 1]
2-312-001	Measured Voltage	ITB K	ENG*	[0 to 7 / 0 / 0.01kV]
2-312-002	Measured Voltage	ITB C	ENG*	[0 to 7 / 0 / 0.01kV]
2-312-003	Measured Voltage	ITB M	ENG*	[0 to 7 / 0 / 0.01kV]
2-312-004	Measured Voltage	ITB Y	ENG*	[0 to 7 / 0 / 0.01kV]
2-312-007	Measured Voltage	PTR	ENG*	[0 to 12 / 0 / 0.01kV]
2-312-011	Env Vltg Meas	Env Level	ENG*	[0 to 9 / 0 / 1]
2-312-013	Env Vltg Meas	Env Division	ENG*	[0 to 6 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-313-001	PTR Adjustment	Execute	ENG	[0 to 1 / 0 / 1]
2-314-001	Set:Vltg Meas	Interrupt Interval	ENG*	[0 to 20000 / 1000 / 1pages]
2-314-002	Set:Vltg Meas	JobEnd Interval	ENG*	[0 to 20000 / 200 / 1pages]
2-315-002	Disp:Vltg Meas	Page Count	ENG*	[0 to 20000 / 0 / 1pages]
2-316-001	Set:Current Vltg Meas	ITB	ENG*	[0 to 70 / 34 / 1uA]
2-316-011	Set:Current Vltg Meas	PTR	ENG*	[-300 to 0 / -52 / 1uA]
2-317-001	Set:Vltg Meas	Startup Time	ENG*	[0 to 1000 / 30 / 1ms]
2-317-002	Set:Vltg Meas	Changeover Time	ENG*	[0 to 1000 / 200 / 1ms]
2-318-001	Current Time Division	ITB K	ENG*	[0 to 3 / 0 / 1]
2-318-002	Current Time Division	ITB C	ENG*	[0 to 3 / 0 / 1]
2-318-003	Current Time Division	ITB M	ENG*	[0 to 3 / 0 / 1]
2-318-004	Current Time Division	ITB Y	ENG*	[0 to 3 / 0 / 1]
2-321-001	R Thresh:LLL	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-321-002	R Thresh:LLL	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-321-003	R Thresh:LLL	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-321-004	R Thresh:LLL	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-321-005	R Thresh:LLL	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-321-006	R Thresh:LLL	R Thresh1:PTR	ENG*	[0 to 10 / 1.5 / 0.01kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-321-007	R Thresh:LLL	R Thresh2:PTR	ENG*	[0 to 10 / 2.2 / 0.01kV]
2-321-008	R Thresh:LLL	R Thresh3:PTR	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-321-009	R Thresh:LLL	R Thresh4:PTR	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-321-010	R Thresh:LLL	R Thresh5:PTR	ENG*	[0 to 10 / 6.9 / 0.01kV]
2-322-001	R Thresh:LL	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-322-002	R Thresh:LL	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-322-003	R Thresh:LL	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-322-004	R Thresh:LL	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-322-005	R Thresh:LL	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-322-006	R Thresh:LL	R Thresh1:PTR	ENG*	[0 to 10 / 1.2 / 0.01kV]
2-322-007	R Thresh:LL	R Thresh2:PTR	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-322-008	R Thresh:LL	R Thresh3:PTR	ENG*	[0 to 10 / 2.7 / 0.01kV]
2-322-009	R Thresh:LL	R Thresh4:PTR	ENG*	[0 to 10 / 3.9 / 0.01kV]
2-322-010	R Thresh:LL	R Thresh5:PTR	ENG*	[0 to 10 / 5.5 / 0.01kV]
2-323-001	R Thresh:ML	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-323-002	R Thresh:ML	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-323-003	R Thresh:ML	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-323-004	R Thresh:ML	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-323-005	R Thresh:ML	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-323-006	R Thresh:ML	R Thresh1:PTR	ENG*	[0 to 10 / 0.9 / 0.01kV]
2-323-007	R Thresh:ML	R Thresh2:PTR	ENG*	[0 to 10 / 1.3 / 0.01kV]
2-323-008	R Thresh:ML	R Thresh3:PTR	ENG*	[0 to 10 / 2 / 0.01kV]
2-323-009	R Thresh:ML	R Thresh4:PTR	ENG*	[0 to 10 / 3 / 0.01kV]
2-323-010	R Thresh:ML	R Thresh5:PTR	ENG*	[0 to 10 / 4.4 / 0.01kV]
2-324-001	R Thresh:MM	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-324-002	R Thresh:MM	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-324-003	R Thresh:MM	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-324-004	R Thresh:MM	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-324-005	R Thresh:MM	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-324-006	R Thresh:MM	R Thresh1:PTR	ENG*	[0 to 10 / 0.65 / 0.01kV]
2-324-007	R Thresh:MM	R Thresh2:PTR	ENG*	[0 to 10 / 0.95 / 0.01kV]
2-324-008	R Thresh:MM	R Thresh3:PTR	ENG*	[0 to 10 / 1.5 / 0.01kV]
2-324-009	R Thresh:MM	R Thresh4:PTR	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-324-010	R Thresh:MM	R Thresh5:PTR	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-325-001	R Thresh:MH	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-325-002	R Thresh:MH	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-325-003	R Thresh:MH	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-325-004	R Thresh:MH	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-325-005	R Thresh:MH	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-325-006	R Thresh:MH	R Thresh1:PTR	ENG*	[0 to 10 / 0.45 / 0.01kV]
2-325-007	R Thresh:MH	R Thresh2:PTR	ENG*	[0 to 10 / 0.62 / 0.01kV]
2-325-008	R Thresh:MH	R Thresh3:PTR	ENG*	[0 to 10 / 1 / 0.01kV]
2-325-009	R Thresh:MH	R Thresh4:PTR	ENG*	[0 to 10 / 1.55 / 0.01kV]
2-325-010	R Thresh:MH	R Thresh5:PTR	ENG*	[0 to 10 / 2.6 / 0.01kV]
2-326-001	R Thresh:HH	R Thresh1:ITB	ENG*	[0 to 10 / 1.35 / 0.01kV]
2-326-002	R Thresh:HH	R Thresh2:ITB	ENG*	[0 to 10 / 1.7 / 0.01kV]
2-326-003	R Thresh:HH	R Thresh3:ITB	ENG*	[0 to 10 / 2.3 / 0.01kV]
2-326-004	R Thresh:HH	R Thresh4:ITB	ENG*	[0 to 10 / 3.5 / 0.01kV]
2-326-005	R Thresh:HH	R Thresh5:ITB	ENG*	[0 to 10 / 5.1 / 0.01kV]
2-326-006	R Thresh:HH	R Thresh1:PTR	ENG*	[0 to 10 / 0.35 / 0.01kV]
2-326-007	R Thresh:HH	R Thresh2:PTR	ENG*	[0 to 10 / 0.5 / 0.01kV]
2-326-008	R Thresh:HH	R Thresh3:PTR	ENG*	[0 to 10 / 0.8 / 0.01kV]
2-326-009	R Thresh:HH	R Thresh4:PTR	ENG*	[0 to 10 / 1.2 / 0.01kV]
2-326-010	R Thresh:HH	R Thresh5:PTR	ENG*	[0 to 10 / 2 / 0.01kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-327-001	R Thresh:CV	R Thresh1:CV	ENG*	[0 to 13 / 0.35 / 0.01kV]
2-327-002	R Thresh:CV	R Thresh2:CV	ENG*	[0 to 13 / 0.39 / 0.01kV]
2-327-003	R Thresh:CV	R Thresh3:CV	ENG*	[0 to 13 / 0.43 / 0.01kV]
2-327-004	R Thresh:CV	R Thresh4:CV	ENG*	[0 to 13 / 0.47 / 0.01kV]
2-327-005	R Thresh:CV	R Thresh5:CV	ENG*	[0 to 13 / 0.52 / 0.01kV]
2-327-006	R Thresh:CV	R Thresh6:CV	ENG*	[0 to 13 / 0.57 / 0.01kV]
2-327-007	R Thresh:CV	R Thresh7:CV	ENG*	[0 to 13 / 0.62 / 0.01kV]
2-327-008	R Thresh:CV	R Thresh8:CV	ENG*	[0 to 13 / 0.68 / 0.01kV]
2-327-009	R Thresh:CV	R Thresh9:CV	ENG*	[0 to 13 / 0.74 / 0.01kV]
2-327-010	R Thresh:CV	R Thresh10:CV	ENG*	[0 to 13 / 0.81 / 0.01kV]
2-327-011	R Thresh:CV	R Thresh11:CV	ENG*	[0 to 13 / 0.88 / 0.01kV]
2-327-012	R Thresh:CV	R Thresh12:CV	ENG*	[0 to 13 / 0.96 / 0.01kV]
2-327-013	R Thresh:CV	R Thresh13:CV	ENG*	[0 to 13 / 1.05 / 0.01kV]
2-327-014	R Thresh:CV	R Thresh14:CV	ENG*	[0 to 13 / 1.15 / 0.01kV]
2-327-015	R Thresh:CV	R Thresh15:CV	ENG*	[0 to 13 / 1.26 / 0.01kV]
2-327-016	R Thresh:CV	R Thresh16:CV	ENG*	[0 to 13 / 1.38 / 0.01kV]
2-327-017	R Thresh:CV	R Thresh17:CV	ENG*	[0 to 13 / 1.5 / 0.01kV]
2-327-018	R Thresh:CV	R Thresh18:CV	ENG*	[0 to 13 / 1.64 / 0.01kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-327-019	R Thresh:CV	R Thresh19:CV	ENG*	[0 to 13 / 1.8 / 0.01kV]
2-327-020	R Thresh:CV	R Thresh20:CV	ENG*	[0 to 13 / 1.98 / 0.01kV]
2-327-021	R Thresh:CV	R Thresh21:CV	ENG*	[0 to 13 / 2.18 / 0.01kV]
2-327-022	R Thresh:CV	R Thresh22:CV	ENG*	[0 to 13 / 2.41 / 0.01kV]
2-327-023	R Thresh:CV	R Thresh23:CV	ENG*	[0 to 13 / 2.66 / 0.01kV]
2-327-024	R Thresh:CV	R Thresh24:CV	ENG*	[0 to 13 / 2.93 / 0.01kV]
2-327-025	R Thresh:CV	R Thresh25:CV	ENG*	[0 to 13 / 3.23 / 0.01kV]
2-327-026	R Thresh:CV	R Thresh26:CV	ENG*	[0 to 13 / 3.56 / 0.01kV]
2-327-027	R Thresh:CV	R Thresh27:CV	ENG*	[0 to 13 / 3.92 / 0.01kV]
2-327-028	R Thresh:CV	R Thresh28:CV	ENG*	[0 to 13 / 4.32 / 0.01kV]
2-327-029	R Thresh:CV	R Thresh29:CV	ENG*	[0 to 13 / 4.75 / 0.01kV]
2-327-030	R Thresh:CV	R Thresh30:CV	ENG*	[0 to 13 / 5.21 / 0.01kV]
2-327-031	R Thresh:CV	R Thresh31:CV	ENG*	[0 to 13 / 5.7 / 0.01kV]
2-327-032	R Thresh:CV	R Thresh32:CV	ENG*	[0 to 13 / 6.22 / 0.01kV]
2-327-033	R Thresh:CV	R Thresh33:CV	ENG*	[0 to 13 / 6.77 / 0.01kV]
2-327-034	R Thresh:CV	R Thresh34:CV	ENG*	[0 to 13 / 7.35 / 0.01kV]
2-331-001	Time Thresh	Time Thresh1:K	ENG*	[0 to 600000 / 5000 / 1pages]
2-331-002	Time Thresh	Time Thresh2:K	ENG*	[0 to 600000 / 20000 / 1pages]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-331-003	Time Thresh	Time Thresh3:K	ENG*	[0 to 600000 / 50000 / 1pages]
2-331-011	Time Thresh	Time Thresh1:Col	ENG*	[0 to 600000 / 5000 / 1pages]
2-331-012	Time Thresh	Time Thresh2:Col	ENG*	[0 to 600000 / 20000 / 1pages]
2-331-013	Time Thresh	Time Thresh3:Col	ENG*	[0 to 600000 / 50000 / 1pages]
2-341-001	Limiter Voltage	ITB	ENG*	[0 to 10 / 4.8 / 0.1kV]
2-341-002	Limiter Voltage	PTR	ENG*	[0 to 12 / 11 / 0.1-kV]
2-400-001	ITB Corr:ON/OFF	All Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-400-002	ITB Corr:ON/OFF	Eng Spd Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-400-003	ITB Corr:ON/OFF	Env Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-400-004	ITB Corr:ON/OFF	Pot Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-400-005	ITB Corr:ON/OFF	Time Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-401-001	ITB K:Eng Spd Coeff	Std Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 86 *MP C8003: 100 *Pro C5200S: 86 *Pro C5210S: 100
2-401-002	ITB K:Eng Spd Coeff	Std Spd:BW	ENG*	[10 to 200 / * / 1%] *MP C6503: 85 *MP C8003: 100 *Pro C5200S: 85

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 100
2-401-003	ITB K:Eng Spd Coeff	Std Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 81 *MP C8003: 100 *Pro C5200S: 81 *Pro C5210S: 100
2-402-001	ITB K:Eng Spd Coeff	Mid Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 55 *MP C8003: 86 *Pro C5200S: 75 *Pro C5210S: 75
2-402-002	ITB K:Eng Spd Coeff	Mid Spd:BW	ENG*	[10 to 200 / * / 1%] *MP C6503: 55 *MP C8003: 85 *Pro C5200S: 74 *Pro C5210S: 74
2-402-003	ITB K:Eng Spd Coeff	Mid Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 50 *MP C8003: 81 *Pro C5200S: 70 *Pro C5210S: 70
2-403-001	ITB K:Eng Spd Coeff	Mid-Low Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 60 *Pro C5200S: 10 *Pro C5210S: 10
2-403-002	ITB K:Eng Spd Coeff	Mid-Low Spd:BW	ENG*	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 55 *Pro C5200S: 10 *Pro C5210S: 10
2-403-003	ITB K:Eng Spd Coeff	Mid-Low Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 50 *Pro C5200S: 10 *Pro C5210S: 10
2-404-	ITB K:Eng Spd Coeff	Low Spd:FC	ENG*	[10 to 200 / 57 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-404-002	ITB K:Eng Spd Coeff	Low Spd:BW	ENG*	[10 to 200 / 51 / 1%]
2-404-003	ITB K:Eng Spd Coeff	Low Spd:Non-Image	ENG*	[10 to 200 / 45 / 1%]
2-411-001	ITB Col:Eng Spd Coeff	Std Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 81 *MP C8003: 100 *Pro C5200S: 81 *Pro C5210S: 100
2-411-003	ITB Col:Eng Spd Coeff	Std Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 81 *MP C8003: 100 *Pro C5200S: 81 *Pro C5210S: 100
2-412-001	ITB Col:Eng Spd Coeff	Mid Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 50 *MP C8003: 81 *Pro C5200S: 70 *Pro C5210S: 70
2-412-003	ITB Col:Eng Spd Coeff	Mid Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 50 *MP C8003: 81 *Pro C5200S: 70 *Pro C5210S: 70
2-413-001	ITB Col:Eng Spd Coeff	Mid-Low Spd:FC	ENG*	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 50 *Pro C5200S: 10 *Pro C5210S: 10
2-413-003	ITB Col:Eng Spd Coeff	Mid-Low Spd:Non-Image	ENG*	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 50 *Pro C5200S: 10 *Pro C5210S: 10
2-414-001	ITB Col:Eng Spd Coeff	Low Spd:FC	ENG*	[10 to 200 / 45 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-414-003	ITB Col:Eng Spd Coeff	Low Spd:Non-Image	ENG*	[10 to 200 / 45 / 1%]
2-421-001	ITB K:Env Coeff	LLL:BW:Side1	ENG*	[10 to 200 / 105 / 1%]
2-421-002	ITB K:Env Coeff	LLL:BW:Side2	ENG*	[10 to 200 / 105 / 1%]
2-421-003	ITB K:Env Coeff	LLL:FC:Side1	ENG*	[10 to 200 / 105 / 1%]
2-421-004	ITB K:Env Coeff	LLL:FC:Side2	ENG*	[10 to 200 / 105 / 1%]
2-421-005	ITB K:Env Coeff	LLL:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-421-011	ITB K:Env Coeff	LL:BW:Side1	ENG*	[10 to 200 / 102 / 1%]
2-421-012	ITB K:Env Coeff	LL:BW:Side2	ENG*	[10 to 200 / 102 / 1%]
2-421-013	ITB K:Env Coeff	LL:FC:Side1	ENG*	[10 to 200 / 102 / 1%]
2-421-014	ITB K:Env Coeff	LL:FC:Side2	ENG*	[10 to 200 / 102 / 1%]
2-421-015	ITB K:Env Coeff	LL:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-421-021	ITB K:Env Coeff	ML:BW:Side1	ENG*	[10 to 200 / 100 / 1%]
2-421-022	ITB K:Env Coeff	ML:BW:Side2	ENG*	[10 to 200 / 100 / 1%]
2-421-023	ITB K:Env Coeff	ML:FC:Side1	ENG*	[10 to 200 / 100 / 1%]
2-421-024	ITB K:Env Coeff	ML:FC:Side2	ENG*	[10 to 200 / 100 / 1%]
2-421-025	ITB K:Env Coeff	ML:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-421-031	ITB K:Env Coeff	MM:BW:Side1	ENG*	[10 to 200 / 104 / 1%]
2-421-032	ITB K:Env Coeff	MM:BW:Side2	ENG*	[10 to 200 / 104 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-421-033	ITB K:Env Coeff	MM:FC:Side1	ENG*	[10 to 200 / 105 / 1%]
2-421-034	ITB K:Env Coeff	MM:FC:Side2	ENG*	[10 to 200 / 105 / 1%]
2-421-035	ITB K:Env Coeff	MM:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-421-041	ITB K:Env Coeff	MH:BW:Side1	ENG*	[10 to 200 / 106 / 1%]
2-421-042	ITB K:Env Coeff	MH:BW:Side2	ENG*	[10 to 200 / 106 / 1%]
2-421-043	ITB K:Env Coeff	MH:FC:Side1	ENG*	[10 to 200 / 108 / 1%]
2-421-044	ITB K:Env Coeff	MH:FC:Side2	ENG*	[10 to 200 / 108 / 1%]
2-421-045	ITB K:Env Coeff	MH:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-421-051	ITB K:Env Coeff	HH:BW:Side1	ENG*	[10 to 200 / 106 / 1%]
2-421-052	ITB K:Env Coeff	HH:BW:Side2	ENG*	[10 to 200 / 106 / 1%]
2-421-053	ITB K:Env Coeff	HH:FC:Side1	ENG*	[10 to 200 / 108 / 1%]
2-421-054	ITB K:Env Coeff	HH:FC:Side2	ENG*	[10 to 200 / 108 / 1%]
2-421-055	ITB K:Env Coeff	HH:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-001	ITB Col:Env Coeff	LLL:FC:Side1	ENG*	[10 to 200 / 120 / 1%]
2-422-002	ITB Col:Env Coeff	LLL:FC:Side2	ENG*	[10 to 200 / 120 / 1%]
2-422-003	ITB Col:Env Coeff	LLL:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-011	ITB Col:Env Coeff	LL:FC:Side1	ENG*	[10 to 200 / 113 / 1%]
2-422-012	ITB Col:Env Coeff	LL:FC:Side2	ENG*	[10 to 200 / 113 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-422-013	ITB Col:Env Coeff	LL:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-021	ITB Col:Env Coeff	ML:FC:Side1	ENG*	[10 to 200 / 106 / 1%]
2-422-022	ITB Col:Env Coeff	ML:FC:Side2	ENG*	[10 to 200 / 106 / 1%]
2-422-023	ITB Col:Env Coeff	ML:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-031	ITB Col:Env Coeff	MM:FC:Side1	ENG*	[10 to 200 / 100 / 1%]
2-422-032	ITB Col:Env Coeff	MM:FC:Side2	ENG*	[10 to 200 / 100 / 1%]
2-422-033	ITB Col:Env Coeff	MM:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-041	ITB Col:Env Coeff	MH:FC:Side1	ENG*	[10 to 200 / 112 / 1%]
2-422-042	ITB Col:Env Coeff	MH:FC:Side2	ENG*	[10 to 200 / 112 / 1%]
2-422-043	ITB Col:Env Coeff	MH:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-422-051	ITB Col:Env Coeff	HH:FC:Side1	ENG*	[10 to 200 / 112 / 1%]
2-422-052	ITB Col:Env Coeff	HH:FC:Side2	ENG*	[10 to 200 / 112 / 1%]
2-422-053	ITB Col:Env Coeff	HH:Non-Image	ENG*	[10 to 200 / 100 / 1%]
2-431-001	ITB K:R Coeff	R-2	ENG*	[50 to 250 / 170 / 1%]
2-431-002	ITB K:R Coeff	R-1	ENG*	[50 to 250 / 152 / 1%]
2-431-003	ITB K:R Coeff	R0	ENG*	[50 to 250 / 136 / 1%]
2-431-004	ITB K:R Coeff	R+1	ENG*	[50 to 250 / 128 / 1%]
2-431-005	ITB K:R Coeff	R+2	ENG*	[50 to 250 / 120 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-431-006	ITB K:R Coeff	R+3	ENG*	[50 to 250 / 106 / 1%]
2-432-001	ITB Col:R Coeff	R-2	ENG*	[50 to 250 / 170 / 1%]
2-432-002	ITB Col:R Coeff	R-1	ENG*	[50 to 250 / 152 / 1%]
2-432-003	ITB Col:R Coeff	R0	ENG*	[50 to 250 / 136 / 1%]
2-432-004	ITB Col:R Coeff	R+1	ENG*	[50 to 250 / 124 / 1%]
2-432-005	ITB Col:R Coeff	R+2	ENG*	[50 to 250 / 116 / 1%]
2-432-006	ITB Col:R Coeff	R+3	ENG*	[50 to 250 / 106 / 1%]
2-441-001	ITB K:Time Coeff	Time Division1:LLL	ENG*	[10 to 200 / 100 / 1%]
2-441-002	ITB K:Time Coeff	Time Division2:LLL	ENG*	[10 to 200 / 100 / 1%]
2-441-003	ITB K:Time Coeff	Time Division3:LLL	ENG*	[10 to 200 / 100 / 1%]
2-441-011	ITB K:Time Coeff	Time Division1:LL	ENG*	[10 to 200 / 100 / 1%]
2-441-012	ITB K:Time Coeff	Time Division2:LL	ENG*	[10 to 200 / 100 / 1%]
2-441-013	ITB K:Time Coeff	Time Division3:LL	ENG*	[10 to 200 / 100 / 1%]
2-441-021	ITB K:Time Coeff	Time Division1:ML	ENG*	[10 to 200 / 100 / 1%]
2-441-022	ITB K:Time Coeff	Time Division2:ML	ENG*	[10 to 200 / 100 / 1%]
2-441-023	ITB K:Time Coeff	Time Division3:ML	ENG*	[10 to 200 / 100 / 1%]
2-441-031	ITB K:Time Coeff	Time Division1:MM	ENG*	[10 to 200 / 100 / 1%]
2-441-032	ITB K:Time Coeff	Time Division2:MM	ENG*	[10 to 200 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-441-033	ITB K:Time Coeff	Time Division3:MM	ENG*	[10 to 200 / 100 / 1%]
2-441-041	ITB K:Time Coeff	Time Division1:MH	ENG*	[10 to 200 / 100 / 1%]
2-441-042	ITB K:Time Coeff	Time Division2:MH	ENG*	[10 to 200 / 100 / 1%]
2-441-043	ITB K:Time Coeff	Time Division3:MH	ENG*	[10 to 200 / 100 / 1%]
2-441-051	ITB K:Time Coeff	Time Division1:HH	ENG*	[10 to 200 / 100 / 1%]
2-441-052	ITB K:Time Coeff	Time Division2:HH	ENG*	[10 to 200 / 100 / 1%]
2-441-053	ITB K:Time Coeff	Time Division3:HH	ENG*	[10 to 200 / 100 / 1%]
2-442-001	ITB C:Time Coeff	Time Division1:LLL	ENG*	[10 to 200 / 100 / 1%]
2-442-002	ITB C:Time Coeff	Time Division2:LLL	ENG*	[10 to 200 / 100 / 1%]
2-442-003	ITB C:Time Coeff	Time Division3:LLL	ENG*	[10 to 200 / 100 / 1%]
2-442-011	ITB C:Time Coeff	Time Division1:LL	ENG*	[10 to 200 / 100 / 1%]
2-442-012	ITB C:Time Coeff	Time Division2:LL	ENG*	[10 to 200 / 100 / 1%]
2-442-013	ITB C:Time Coeff	Time Division3:LL	ENG*	[10 to 200 / 100 / 1%]
2-442-021	ITB C:Time Coeff	Time Division1:ML	ENG*	[10 to 200 / 100 / 1%]
2-442-022	ITB C:Time Coeff	Time Division2:ML	ENG*	[10 to 200 / 100 / 1%]
2-442-023	ITB C:Time Coeff	Time Division3:ML	ENG*	[10 to 200 / 100 / 1%]
2-442-031	ITB C:Time Coeff	Time Division1:MM	ENG*	[10 to 200 / 100 / 1%]
2-442-032	ITB C:Time Coeff	Time Division2:MM	ENG*	[10 to 200 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-442-033	ITB C:Time Coeff	Time Division3:MM	ENG*	[10 to 200 / 100 / 1%]
2-442-041	ITB C:Time Coeff	Time Division1:MH	ENG*	[10 to 200 / 100 / 1%]
2-442-042	ITB C:Time Coeff	Time Division2:MH	ENG*	[10 to 200 / 100 / 1%]
2-442-043	ITB C:Time Coeff	Time Division3:MH	ENG*	[10 to 200 / 100 / 1%]
2-442-051	ITB C:Time Coeff	Time Division1:HH	ENG*	[10 to 200 / 100 / 1%]
2-442-052	ITB C:Time Coeff	Time Division2:HH	ENG*	[10 to 200 / 100 / 1%]
2-442-053	ITB C:Time Coeff	Time Division3:HH	ENG*	[10 to 200 / 100 / 1%]
2-443-001	ITB M:Time Coeff	Time Division1:LLL	ENG*	[10 to 200 / 100 / 1%]
2-443-002	ITB M:Time Coeff	Time Division2:LLL	ENG*	[10 to 200 / 100 / 1%]
2-443-003	ITB M:Time Coeff	Time Division3:LLL	ENG*	[10 to 200 / 100 / 1%]
2-443-011	ITB M:Time Coeff	Time Division1:LL	ENG*	[10 to 200 / 100 / 1%]
2-443-012	ITB M:Time Coeff	Time Division2:LL	ENG*	[10 to 200 / 100 / 1%]
2-443-013	ITB M:Time Coeff	Time Division3:LL	ENG*	[10 to 200 / 100 / 1%]
2-443-021	ITB M:Time Coeff	Time Division1:ML	ENG*	[10 to 200 / 100 / 1%]
2-443-022	ITB M:Time Coeff	Time Division2:ML	ENG*	[10 to 200 / 100 / 1%]
2-443-023	ITB M:Time Coeff	Time Division3:ML	ENG*	[10 to 200 / 100 / 1%]
2-443-031	ITB M:Time Coeff	Time Division1:MM	ENG*	[10 to 200 / 100 / 1%]
2-443-032	ITB M:Time Coeff	Time Division2:MM	ENG*	[10 to 200 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-443-033	ITB M:Time Coeff	Time Division3:MM	ENG*	[10 to 200 / 100 / 1%]
2-443-041	ITB M:Time Coeff	Time Division1:MH	ENG*	[10 to 200 / 100 / 1%]
2-443-042	ITB M:Time Coeff	Time Division2:MH	ENG*	[10 to 200 / 100 / 1%]
2-443-043	ITB M:Time Coeff	Time Division3:MH	ENG*	[10 to 200 / 100 / 1%]
2-443-051	ITB M:Time Coeff	Time Division1:HH	ENG*	[10 to 200 / 100 / 1%]
2-443-052	ITB M:Time Coeff	Time Division2:HH	ENG*	[10 to 200 / 100 / 1%]
2-443-053	ITB M:Time Coeff	Time Division3:HH	ENG*	[10 to 200 / 100 / 1%]
2-444-001	ITB Y:Time Coeff	Time Division1:LLL	ENG*	[10 to 200 / 100 / 1%]
2-444-002	ITB Y:Time Coeff	Time Division2:LLL	ENG*	[10 to 200 / 100 / 1%]
2-444-003	ITB Y:Time Coeff	Time Division3:LLL	ENG*	[10 to 200 / 100 / 1%]
2-444-011	ITB Y:Time Coeff	Time Division1:LL	ENG*	[10 to 200 / 100 / 1%]
2-444-012	ITB Y:Time Coeff	Time Division2:LL	ENG*	[10 to 200 / 100 / 1%]
2-444-013	ITB Y:Time Coeff	Time Division3:LL	ENG*	[10 to 200 / 100 / 1%]
2-444-021	ITB Y:Time Coeff	Time Division1:ML	ENG*	[10 to 200 / 100 / 1%]
2-444-022	ITB Y:Time Coeff	Time Division2:ML	ENG*	[10 to 200 / 100 / 1%]
2-444-023	ITB Y:Time Coeff	Time Division3:ML	ENG*	[10 to 200 / 100 / 1%]
2-444-031	ITB Y:Time Coeff	Time Division1:MM	ENG*	[10 to 200 / 100 / 1%]
2-444-032	ITB Y:Time Coeff	Time Division2:MM	ENG*	[10 to 200 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-444-033	ITB Y:Time Coeff	Time Division3:MM	ENG*	[10 to 200 / 100 / 1%]
2-444-041	ITB Y:Time Coeff	Time Division1:MH	ENG*	[10 to 200 / 100 / 1%]
2-444-042	ITB Y:Time Coeff	Time Division2:MH	ENG*	[10 to 200 / 100 / 1%]
2-444-043	ITB Y:Time Coeff	Time Division3:MH	ENG*	[10 to 200 / 100 / 1%]
2-444-051	ITB Y:Time Coeff	Time Division1:HH	ENG*	[10 to 200 / 100 / 1%]
2-444-052	ITB Y:Time Coeff	Time Division2:HH	ENG*	[10 to 200 / 100 / 1%]
2-444-053	ITB Y:Time Coeff	Time Division3:HH	ENG*	[10 to 200 / 100 / 1%]
2-451-001	ITB K:Standard	FC	ENG*	[0 to 70 / 31 / 1uA]
2-451-002	ITB K:Standard	BW	ENG*	[0 to 70 / 31 / 1uA]
2-451-003	ITB K:Standard	Non-Image	ENG*	[0 to 70 / 25 / 1uA]
2-451-004	ITB K:Standard	Refresh	ENG*	[0 to 70 / 12 / 1uA]
2-461-001	ITB C:Standard	FC	ENG*	[0 to 70 / 27 / 1uA]
2-461-003	ITB C:Standard	Non-Image	ENG*	[0 to 70 / 25 / 1uA]
2-461-004	ITB K:Standard	Refresh	ENG*	[0 to 70 / 12 / 1uA]
2-471-001	ITB M:Standard	FC	ENG*	[0 to 70 / 27 / 1uA]
2-471-003	ITB M:Standard	Non-Image	ENG*	[0 to 70 / 25 / 1uA]
2-471-004	ITB K:Standard	Refresh	ENG*	[0 to 70 / 12 / 1uA]
2-481-001	ITB Y:Standard	FC	ENG*	[0 to 70 / 29 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-481-003	ITB Y:Standard	Non-Image	ENG*	[0 to 70 / 25 / 1uA]
2-481-004	ITB K:Standard	Refresh	ENG*	[0 to 70 / 12 / 1uA]

SP Group 2000-03

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-600-001	PTR Corr:ON/OFF	All Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-600-002	PTR Corr:ON/OFF	Eng Spd Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-600-003	PTR Corr:ON/OFF	Env Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-600-004	PTR Corr:ON/OFF	Pape Size Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-600-005	PTR Corr:ON/OFF	LEdge Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-600-006	PTR Corr:ON/OFF	TEdge Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-601-001	RTR:Eng Spd Coeff	Standard Speed	ENG	[10 to 200 / * / 1%] *MP C6503: 81 *MP C8003: 100 *Pro C5200S: 81 *Pro C5210S: 100
2-601-002	RTR:Eng Spd Coeff	Middle Speed	ENG	[10 to 200 / * / 1%] *MP C6503: 50 *MP C8003: 81 *Pro C5200S: 70 *Pro C5210S: 70
2-601-003	RTR:Eng Spd Coeff	Middle-Low Speed	ENG	[10 to 200 / * / 1%] *MP C6503: 10 *MP C8003: 50 *Pro C5200S: 10 *Pro C5210S: 10
2-601-004	RTR:Eng Spd Coeff	Low Speed	ENG	[10 to 200 / 45 / 1%]
2-611-001	PTR:Env Coeff	LLL:BW:Side1	ENG*	[10 to 200 / 109 / 1%]
2-611-002	PTR:Env Coeff	LLL:BW:Side2	ENG*	[10 to 200 / 107 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-611-003	PTR:Env Coeff	LLL:FC:Side1	ENG*	[10 to 200 / 106 / 1%]
2-611-004	PTR:Env Coeff	LLL:FC:Side2	ENG*	[10 to 200 / 103 / 1%]
2-611-005	PTR:Env Coeff	LLL:Non-Image	ENG*	[0 to 200 / 0 / 1%]
2-611-011	PTR:Env Coeff	LL:BW:Side1	ENG*	[10 to 200 / 106 / 1%]
2-611-012	PTR:Env Coeff	LL:BW:Side2	ENG*	[10 to 200 / 104 / 1%]
2-611-013	PTR:Env Coeff	LL:FC:Side1	ENG*	[10 to 200 / 104 / 1%]
2-611-014	PTR:Env Coeff	LL:FC:Side2	ENG*	[10 to 200 / 102 / 1%]
2-611-015	PTR:Env Coeff	LL:Non-Image	ENG*	[0 to 200 / 0 / 1%]
2-611-021	PTR:Env Coeff	ML:BW:Side1	ENG*	[10 to 200 / 103 / 1%]
2-611-022	PTR:Env Coeff	ML:BW:Side2	ENG*	[10 to 200 / 102 / 1%]
2-611-023	PTR:Env Coeff	ML:FC:Side1	ENG*	[10 to 200 / 102 / 1%]
2-611-024	PTR:Env Coeff	ML:FC:Side2	ENG*	[10 to 200 / 101 / 1%]
2-611-025	PTR:Env Coeff	ML:Non-Image	ENG*	[0 to 200 / 100 / 1%]
2-611-031	PTR:Env Coeff	MM:BW:Side1	ENG*	[10 to 200 / 100 / 1%]
2-611-032	PTR:Env Coeff	MM:BW:Side2	ENG*	[10 to 200 / 100 / 1%]
2-611-033	PTR:Env Coeff	MM:FC:Side1	ENG*	[10 to 200 / 100 / 1%]
2-611-034	PTR:Env Coeff	MM:FC:Side2	ENG*	[10 to 200 / 100 / 1%]
2-611-035	PTR:Env Coeff	MM:Non-Image	ENG*	[0 to 200 / 100 / 1%]
2-611-041	PTR:Env Coeff	MH:BW:Side1	ENG*	[10 to 200 / 97 / 1%]
2-611-042	PTR:Env Coeff	MH:BW:Side2	ENG*	[10 to 200 / 97 / 1%]
2-611-043	PTR:Env Coeff	MH:FC:Side1	ENG*	[10 to 200 / 97 / 1%]
2-611-044	PTR:Env Coeff	MH:FC:Side2	ENG*	[10 to 200 / 97 / 1%]
2-611-045	PTR:Env Coeff	MH:Non-Image	ENG*	[0 to 200 / 100 / 1%]
2-611-051	PTR:Env Coeff	HH:BW:Side1	ENG*	[10 to 200 / 94 / 1%]
2-611-052	PTR:Env Coeff	HH:BW:Side2	ENG*	[10 to 200 / 94 / 1%]
2-611-053	PTR:Env Coeff	HH:FC:Side1	ENG*	[10 to 200 / 94 / 1%]
2-611-054	PTR:Env Coeff	HH:FC:Side2	ENG*	[10 to 200 / 94 / 1%]
2-611-055	PTR:Env Coeff	HH:Non-Image	ENG*	[0 to 200 / 100 / 1%]
2-612-001	PTR:LEdge Env Coeff	LLL	ENG	[10 to 500 / 100 / 1%]
2-612-011	PTR:LEdge Env Coeff	LL	ENG	[10 to 500 / 100 / 1%]
2-612-021	PTR:LEdge Env Coeff	ML	ENG	[10 to 500 / 100 / 1%]
2-612-031	PTR:LEdge Env Coeff	MM	ENG	[10 to 500 / 100 / 1%]
2-612-041	PTR:LEdge Env Coeff	MH	ENG	[10 to 500 / 100 / 1%]
2-612-051	PTR:LEdge Env Coeff	HH	ENG	[10 to 500 / 100 / 1%]
2-621-001	PTR:R Coeff	R-2	ENG	[50 to 300 / 240 / 1%]
2-621-002	PTR:R Coeff	R-1	ENG	[50 to 300 / 205 / 1%]
2-621-003	PTR:R Coeff	R0	ENG	[50 to 300 / 180 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-621-004	PTR:R Coeff	R+1	ENG	[50 to 300 / 160 / 1%]
2-621-005	PTR:R Coeff	R+2	ENG	[50 to 300 / 140 / 1%]
2-621-006	PTR:R Coeff	R+3	ENG	[50 to 300 / 105 / 1%]
2-631-001	Paper Size:Thick Coeff	Thin:Side1	ENG	[50 to 600 / 105 / 1%]
2-631-002	Paper Size:Thick Coeff	Plain1:Side1	ENG	[50 to 600 / 110 / 1%]
2-631-003	Paper Size:Thick Coeff	Plain2:Side1	ENG	[50 to 600 / 120 / 1%]
2-631-004	Paper Size:Thick Coeff	Mid-Thick:Side1	ENG	[50 to 600 / 130 / 1%]
2-631-005	Paper Size:Thick Coeff	Thick1:Side1	ENG	[50 to 600 / 145 / 1%]
2-631-006	Paper Size:Thick Coeff	Thick2:Side1	ENG	[50 to 600 / 160 / 1%]
2-631-007	Paper Size:Thick Coeff	Thick3:Side1	ENG	[50 to 600 / 190 / 1%]
2-631-008	Paper Size:Thick Coeff	Thick4:Side1	ENG	[50 to 600 / 240 / 1%]
2-631-009	Paper Size:Thick Coeff	Thick5:Side1	ENG	[50 to 600 / 250 / 1%]
2-631-011	Paper Size:Thick Coeff	Thin:Side2	ENG	[50 to 600 / 110 / 1%]
2-631-012	Paper Size:Thick Coeff	Plain1:Side2	ENG	[50 to 600 / 120 / 1%]
2-631-013	Paper Size:Thick Coeff	Plain2:Side2	ENG	[50 to 600 / 135 / 1%]
2-631-014	Paper Size:Thick Coeff	Mid-Thick:Side2	ENG	[50 to 600 / 150 / 1%]
2-631-015	Paper Size:Thick Coeff	Thick1:Side2	ENG	[50 to 600 / 170 / 1%]
2-631-016	Paper Size:Thick Coeff	Thick2:Side2	ENG	[50 to 600 / 190 / 1%]
2-631-017	Paper Size:Thick Coeff	Thick3:Side2	ENG	[50 to 600 / 240 / 1%]
2-631-018	Paper Size:Thick Coeff	Thick4:Side2	ENG	[50 to 600 / 290 / 1%]
2-631-019	Paper Size:Thick Coeff	Thick5:Side2	ENG	[50 to 600 / 290 / 1%]
2-640-001	PTR Bias:Non-Image	Non-Image	ENG*	[0 to 1 / 0.5 / 0.01kV]
2-640-011	PTR Bias:Non-Image	Changeover Timing	ENG*	[-50 to 50 / * / 1ms] *MP C6503: 5 *MP C8003: 5 *Pro C5200S: -8 *Pro C5210S: -8
2-641-001	PTR Bias:BW	Plain:Thin:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-002	PTR Bias:BW	Plain:Plain1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-003	PTR Bias:BW	Plain:Plain2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-004	PTR Bias:BW	Plain:Mid-Thick:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-005	PTR Bias:BW	Plain:Thick1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-006	PTR Bias:BW	Plain:Thick2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-007	PTR Bias:BW	Plain:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-008	PTR Bias:BW	Plain:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-009	PTR Bias:BW	Plain:Thick5:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-012	PTR Bias:BW	Glossy:Plain1:Side1	ENG	[-300 to 0 / -35 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-641-013	PTR Bias:BW	Glossy:Plain2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-014	PTR Bias:BW	Glossy:Mid-Thick:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-015	PTR Bias:BW	Glossy:Thick1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-016	PTR Bias:BW	Glossy:Thick2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-017	PTR Bias:BW	Glossy:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-018	PTR Bias:BW	Glossy:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-019	PTR Bias:BW	Glossy:Thick5:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-022	PTR Bias:BW	Matte:Plain1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-023	PTR Bias:BW	Matte:Plain2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-024	PTR Bias:BW	Matte:Mid-Thick:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-025	PTR Bias:BW	Matte:Thick1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-026	PTR Bias:BW	Matte:Thick2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-027	PTR Bias:BW	Matte:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-028	PTR Bias:BW	Matte:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-029	PTR Bias:BW	Matte:Thick5:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-031	PTR Bias:BW	Texture:Thick1:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-032	PTR Bias:BW	Texture:Thick2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-033	PTR Bias:BW	Texture:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-034	PTR Bias:BW	Texture:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-035	PTR Bias:BW	Texture:Thick5:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-036	PTR Bias:BW	Texture:Thick6:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-037	PTR Bias:BW	Texture:Thick7:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-038	PTR Bias:BW	Texture:Thick8:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-039	PTR Bias:BW	Texture:Thick9:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-056	PTR Bias:BW	Transparency:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-061	PTR Bias:BW	Tracing Paper:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-076	PTR Bias:BW	Envelope:Thick2:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-077	PTR Bias:BW	Envelope:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-078	PTR Bias:BW	Envelope:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-081	PTR Bias:BW	Magnet:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-093	PTR Bias:BW	Metallic:Thick3:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-094	PTR Bias:BW	Metallic:Thick4:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-095	PTR Bias:BW	Metallic:Thick5:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-096	PTR Bias:BW	Metallic:Thick6:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-097	PTR Bias:BW	Metallic:Thick7:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-098	PTR Bias:BW	Metallic:Thick8:Side1	ENG	[-300 to 0 / -35 / 1uA]
2-641-099	PTR Bias:BW	Metallic:Thick9:Side1	ENG	[-300 to 0 / -35 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-642-001	PTR Bias:BW	Plain:Thin:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-002	PTR Bias:BW	Plain:Plain1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-003	PTR Bias:BW	Plain:Plain2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-004	PTR Bias:BW	Plain:Mid-Thick:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-005	PTR Bias:BW	Plain:Thick1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-006	PTR Bias:BW	Plain:Thick2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-007	PTR Bias:BW	Plain:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-008	PTR Bias:BW	Plain:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-009	PTR Bias:BW	Plain:Thick5:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-012	PTR Bias:BW	Glossy:Plain1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-013	PTR Bias:BW	Glossy:Plain2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-014	PTR Bias:BW	Glossy:Mid-Thick:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-015	PTR Bias:BW	Glossy:Thick1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-016	PTR Bias:BW	Glossy:Thick2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-017	PTR Bias:BW	Glossy:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-018	PTR Bias:BW	Glossy:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-019	PTR Bias:BW	Glossy:Thick5:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-022	PTR Bias:BW	Matte:Plain1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-023	PTR Bias:BW	Matte:Plain2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-024	PTR Bias:BW	Matte:Mid-Thick:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-025	PTR Bias:BW	Matte:Thick1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-026	PTR Bias:BW	Matte:Thick2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-027	PTR Bias:BW	Matte:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-028	PTR Bias:BW	Matte:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-029	PTR Bias:BW	Matte:Thick5:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-031	PTR Bias:BW	Texture:Thick1:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-032	PTR Bias:BW	Texture:Thick2:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-033	PTR Bias:BW	Texture:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-034	PTR Bias:BW	Texture:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-035	PTR Bias:BW	Texture:Thick5:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-036	PTR Bias:BW	Texture:Thick6:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-037	PTR Bias:BW	Texture:Thick7:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-038	PTR Bias:BW	Texture:Thick8:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-039	PTR Bias:BW	Texture:Thick9:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-056	PTR Bias:BW	Transparency:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-061	PTR Bias:BW	Tracing Paper:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-076	PTR Bias:BW	Envelope:Thick2:Side2	ENG	[-300 to 0 / -35 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-642-077	PTR Bias:BW	Envelope:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-078	PTR Bias:BW	Envelope:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-081	PTR Bias:BW	Magnet:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-093	PTR Bias:BW	Metallic:Thick3:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-094	PTR Bias:BW	Metallic:Thick4:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-095	PTR Bias:BW	Metallic:Thick5:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-096	PTR Bias:BW	Metallic:Thick6:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-097	PTR Bias:BW	Metallic:Thick7:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-098	PTR Bias:BW	Metallic:Thick8:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-642-099	PTR Bias:BW	Metallic:Thick9:Side2	ENG	[-300 to 0 / -35 / 1uA]
2-643-001	LEdge Coeff:BW	Plain:Thin	ENG	[5 to 300 / 120 / 1%]
2-643-002	LEdge Coeff:BW	Plain:Plain1	ENG	[5 to 300 / 140 / 1%]
2-643-003	LEdge Coeff:BW	Plain:Plain2	ENG	[5 to 300 / 160 / 1%]
2-643-004	LEdge Coeff:BW	Plain:Mid-Thick	ENG	[5 to 300 / 180 / 1%]
2-643-005	LEdge Coeff:BW	Plain:Thick1	ENG	[5 to 300 / 180 / 1%]
2-643-006	LEdge Coeff:BW	Plain:Thick2	ENG	[5 to 300 / 180 / 1%]
2-643-007	LEdge Coeff:BW	Plain:Thick3	ENG	[5 to 300 / 180 / 1%]
2-643-008	LEdge Coeff:BW	Plain:Thick4	ENG	[5 to 300 / 180 / 1%]
2-643-009	LEdge Coeff:BW	Plain:Thick5	ENG	[5 to 300 / 180 / 1%]
2-643-012	LEdge Coeff:BW	Glossy:Plain1	ENG	[5 to 300 / 120 / 1%]
2-643-013	LEdge Coeff:BW	Glossy:Plain2	ENG	[5 to 300 / 140 / 1%]
2-643-014	LEdge Coeff:BW	Glossy:Mid-Thick	ENG	[5 to 300 / 150 / 1%]
2-643-015	LEdge Coeff:BW	Glossy:Thick1	ENG	[5 to 300 / 150 / 1%]
2-643-016	LEdge Coeff:BW	Glossy:Thick2	ENG	[5 to 300 / 150 / 1%]
2-643-017	LEdge Coeff:BW	Glossy:Thick3	ENG	[5 to 300 / 150 / 1%]
2-643-018	LEdge Coeff:BW	Glossy:Thick4	ENG	[5 to 300 / 150 / 1%]
2-643-019	LEdge Coeff:BW	Glossy:Thick5	ENG	[5 to 300 / 150 / 1%]
2-643-022	LEdge Coeff:BW	Matte:Plain1	ENG	[5 to 300 / 120 / 1%]
2-643-023	LEdge Coeff:BW	Matte:Plain2	ENG	[5 to 300 / 140 / 1%]
2-643-024	LEdge Coeff:BW	Matte:Mid-Thick	ENG	[5 to 300 / 150 / 1%]
2-643-025	LEdge Coeff:BW	Matte:Thick1	ENG	[5 to 300 / 150 / 1%]
2-643-026	LEdge Coeff:BW	Matte:Thick2	ENG	[5 to 300 / 150 / 1%]
2-643-027	LEdge Coeff:BW	Matte:Thick3	ENG	[5 to 300 / 150 / 1%]
2-643-028	LEdge Coeff:BW	Matte:Thick4	ENG	[5 to 300 / 150 / 1%]
2-643-029	LEdge Coeff:BW	Matte:Thick5	ENG	[5 to 300 / 150 / 1%]
2-643-031	LEdge Coeff:BW	Texture:Thick1	ENG	[5 to 300 / 150 / 1%]
2-643-032	LEdge Coeff:BW	Texture:Thick2	ENG	[5 to 300 / 150 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-643-033	LEdge Coeff:BW	Texture:Thick3	ENG	[5 to 300 / 150 / 1%]
2-643-034	LEdge Coeff:BW	Texture:Thick4	ENG	[5 to 300 / 150 / 1%]
2-643-035	LEdge Coeff:BW	Texture:Thick5	ENG	[5 to 300 / 150 / 1%]
2-643-036	LEdge Coeff:BW	Texture:Thick6	ENG	[5 to 300 / 150 / 1%]
2-643-037	LEdge Coeff:BW	Texture:Thick7	ENG	[5 to 300 / 150 / 1%]
2-643-038	LEdge Coeff:BW	Texture:Thick8	ENG	[5 to 300 / 150 / 1%]
2-643-039	LEdge Coeff:BW	Texture:Thick9	ENG	[5 to 300 / 150 / 1%]
2-643-056	LEdge Coeff:BW	Transparency	ENG	[5 to 300 / 180 / 1%]
2-643-061	LEdge Coeff:BW	Tracing Paper	ENG	[5 to 300 / 120 / 1%]
2-643-076	LEdge Coeff:BW	Envelope:Thick2	ENG	[5 to 300 / 180 / 1%]
2-643-077	LEdge Coeff:BW	Envelope:Thick3	ENG	[5 to 300 / 180 / 1%]
2-643-078	LEdge Coeff:BW	Envelope:Thick4	ENG	[5 to 300 / 180 / 1%]
2-643-081	LEdge Coeff:BW	Magnet	ENG	[5 to 300 / 180 / 1%]
2-643-093	LEdge Coeff:BW	Metallic:Thick3	ENG	[5 to 300 / 180 / 1%]
2-643-094	LEdge Coeff:BW	Metallic:Thick4	ENG	[5 to 300 / 180 / 1%]
2-643-095	LEdge Coeff:BW	Metallic:Thick5	ENG	[5 to 300 / 180 / 1%]
2-643-096	LEdge Coeff:BW	Metallic:Thick6	ENG	[5 to 300 / 180 / 1%]
2-643-097	LEdge Coeff:BW	Metallic:Thick7	ENG	[5 to 300 / 180 / 1%]
2-643-098	LEdge Coeff:BW	Metallic:Thick8	ENG	[5 to 300 / 180 / 1%]
2-643-099	LEdge Coeff:BW	Metallic:Thick9	ENG	[5 to 300 / 180 / 1%]
2-644-001	LEdge Length:BW	Plain:Thin	ENG	[0 to 30 / 12 / 1mm]
2-644-002	LEdge Length:BW	Plain:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-644-003	LEdge Length:BW	Plain:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-644-004	LEdge Length:BW	Plain:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-644-005	LEdge Length:BW	Plain:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-644-006	LEdge Length:BW	Plain:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-644-007	LEdge Length:BW	Plain:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-008	LEdge Length:BW	Plain:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-009	LEdge Length:BW	Plain:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-644-012	LEdge Length:BW	Glossy:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-644-013	LEdge Length:BW	Glossy:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-644-014	LEdge Length:BW	Glossy:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-644-015	LEdge Length:BW	Glossy:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-644-016	LEdge Length:BW	Glossy:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-644-017	LEdge Length:BW	Glossy:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-018	LEdge Length:BW	Glossy:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-019	LEdge Length:BW	Glossy:Thick5	ENG	[0 to 30 / 5 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-644-022	LEdge Length:BW	Matte:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-644-023	LEdge Length:BW	Matte:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-644-024	LEdge Length:BW	Matte:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-644-025	LEdge Length:BW	Matte:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-644-026	LEdge Length:BW	Matte:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-644-027	LEdge Length:BW	Matte:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-028	LEdge Length:BW	Matte:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-029	LEdge Length:BW	Matte:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-644-031	LEdge Length:BW	Texture:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-644-032	LEdge Length:BW	Texture:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-644-033	LEdge Length:BW	Texture:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-034	LEdge Length:BW	Texture:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-035	LEdge Length:BW	Texture:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-644-036	LEdge Length:BW	Texture:Thick6	ENG	[0 to 30 / 5 / 1mm]
2-644-037	LEdge Length:BW	Texture:Thick7	ENG	[0 to 30 / 5 / 1mm]
2-644-038	LEdge Length:BW	Texture:Thick8	ENG	[0 to 30 / 5 / 1mm]
2-644-039	LEdge Length:BW	Texture:Thick9	ENG	[0 to 30 / 5 / 1mm]
2-644-056	LEdge Length:BW	Transparency	ENG	[0 to 30 / 5 / 1mm]
2-644-061	LEdge Length:BW	Tracing Paper	ENG	[0 to 30 / 12 / 1mm]
2-644-076	LEdge Length:BW	Envelope:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-644-077	LEdge Length:BW	Envelope:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-078	LEdge Length:BW	Envelope:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-081	LEdge Length:BW	Magnet	ENG	[0 to 30 / 5 / 1mm]
2-644-093	LEdge Length:BW	Metallic:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-644-094	LEdge Length:BW	Metallic:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-644-095	LEdge Length:BW	Metallic:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-644-096	LEdge Length:BW	Metallic:Thick6	ENG	[0 to 30 / 5 / 1mm]
2-644-097	LEdge Length:BW	Metallic:Thick7	ENG	[0 to 30 / 5 / 1mm]
2-644-098	LEdge Length:BW	Metallic:Thick8	ENG	[0 to 30 / 5 / 1mm]
2-644-099	LEdge Length:BW	Metallic:Thick9	ENG	[0 to 30 / 5 / 1mm]
2-645-001	TEdge Coeff:BW	Plain:Thin	ENG	[5 to 300 / 100 / 1%]
2-645-002	TEdge Coeff:BW	Plain:Plain1	ENG	[5 to 300 / 100 / 1%]
2-645-003	TEdge Coeff:BW	Plain:Plain2	ENG	[5 to 300 / 100 / 1%]
2-645-004	TEdge Coeff:BW	Plain:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-645-005	TEdge Coeff:BW	Plain:Thick1	ENG	[5 to 300 / 100 / 1%]
2-645-006	TEdge Coeff:BW	Plain:Thick2	ENG	[5 to 300 / 100 / 1%]
2-645-007	TEdge Coeff:BW	Plain:Thick3	ENG	[5 to 300 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-645-008	TEdge Coeff:BW	Plain:Thick4	ENG	[5 to 300 / 100 / 1%]
2-645-009	TEdge Coeff:BW	Plain:Thick5	ENG	[5 to 300 / 100 / 1%]
2-645-012	TEdge Coeff:BW	Glossy:Plain1	ENG	[5 to 300 / 100 / 1%]
2-645-013	TEdge Coeff:BW	Glossy:Plain2	ENG	[5 to 300 / 100 / 1%]
2-645-014	TEdge Coeff:BW	Glossy:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-645-015	TEdge Coeff:BW	Glossy:Thick1	ENG	[5 to 300 / 100 / 1%]
2-645-016	TEdge Coeff:BW	Glossy:Thick2	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-017	TEdge Coeff:BW	Glossy:Thick3	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-018	TEdge Coeff:BW	Glossy:Thick4	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-019	TEdge Coeff:BW	Glossy:Thick5	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-022	TEdge Coeff:BW	Matte:Plain1	ENG	[5 to 300 / 100 / 1%]
2-645-023	TEdge Coeff:BW	Matte:Plain2	ENG	[5 to 300 / 100 / 1%]
2-645-024	TEdge Coeff:BW	Matte:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-645-025	TEdge Coeff:BW	Matte:Thick1	ENG	[5 to 300 / 100 / 1%]
2-645-026	TEdge Coeff:BW	Matte:Thick2	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-027	TEdge Coeff:BW	Matte:Thick3	ENG	[5 to 300 / * / 1%] *MP C6503: 100

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-028	TEdge Coeff:BW	Matte:Thick4	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-029	TEdge Coeff:BW	Matte:Thick5	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-645-031	TEdge Coeff:BW	Texture:Thick1	ENG	[5 to 300 / 100 / 1%]
2-645-032	TEdge Coeff:BW	Texture:Thick2	ENG	[5 to 300 / 100 / 1%]
2-645-033	TEdge Coeff:BW	Texture:Thick3	ENG	[5 to 300 / 100 / 1%]
2-645-034	TEdge Coeff:BW	Texture:Thick4	ENG	[5 to 300 / 100 / 1%]
2-645-035	TEdge Coeff:BW	Texture:Thick5	ENG	[5 to 300 / 100 / 1%]
2-645-036	TEdge Coeff:BW	Texture:Thick6	ENG	[5 to 300 / 100 / 1%]
2-645-037	TEdge Coeff:BW	Texture:Thick7	ENG	[5 to 300 / 100 / 1%]
2-645-038	TEdge Coeff:BW	Texture:Thick8	ENG	[5 to 300 / 100 / 1%]
2-645-039	TEdge Coeff:BW	Texture:Thick9	ENG	[5 to 300 / 100 / 1%]
2-645-056	TEdge Coeff:BW	Transparency	ENG	[5 to 300 / 100 / 1%]
2-645-061	TEdge Coeff:BW	Tracing Paper	ENG	[5 to 300 / 100 / 1%]
2-645-076	TEdge Coeff:BW	Envelope:Thick2	ENG	[5 to 300 / 100 / 1%]
2-645-077	TEdge Coeff:BW	Envelope:Thick3	ENG	[5 to 300 / 100 / 1%]
2-645-078	TEdge Coeff:BW	Envelope:Thick4	ENG	[5 to 300 / 100 / 1%]
2-645-081	TEdge Coeff:BW	Magnet	ENG	[5 to 300 / 100 / 1%]
2-645-093	TEdge Coeff:BW	Metallic:Thick3	ENG	[5 to 300 / 100 / 1%]
2-645-094	TEdge Coeff:BW	Metallic:Thick4	ENG	[5 to 300 / 100 / 1%]
2-645-095	TEdge Coeff:BW	Metallic:Thick5	ENG	[5 to 300 / 100 / 1%]
2-645-096	TEdge Coeff:BW	Metallic:Thick6	ENG	[5 to 300 / 100 / 1%]
2-645-097	TEdge Coeff:BW	Metallic:Thick7	ENG	[5 to 300 / 100 / 1%]
2-645-098	TEdge Coeff:BW	Metallic:Thick8	ENG	[5 to 300 / 100 / 1%]
2-645-099	TEdge Coeff:BW	Metallic:Thick9	ENG	[5 to 300 / 100 / 1%]
2-646-001	TEdge Length:BW	Plain:Thin	ENG	[0 to 100 / 20 / 1mm]
2-646-002	TEdge Length:BW	Plain:Plain1	ENG	[0 to 100 / 20 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-646-003	TEdge Length:BW	Plain:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-646-004	TEdge Length:BW	Plain:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-646-005	TEdge Length:BW	Plain:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-646-006	TEdge Length:BW	Plain:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-646-007	TEdge Length:BW	Plain:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-008	TEdge Length:BW	Plain:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-646-009	TEdge Length:BW	Plain:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-646-012	TEdge Length:BW	Glossy:Plain1	ENG	[0 to 100 / 20 / 1mm]
2-646-013	TEdge Length:BW	Glossy:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-646-014	TEdge Length:BW	Glossy:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-646-015	TEdge Length:BW	Glossy:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-646-016	TEdge Length:BW	Glossy:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-646-017	TEdge Length:BW	Glossy:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-018	TEdge Length:BW	Glossy:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-646-019	TEdge Length:BW	Glossy:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-646-022	TEdge Length:BW	Matte:Plain1	ENG	[0 to 100 / 20 / 1mm]
2-646-023	TEdge Length:BW	Matte:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-646-024	TEdge Length:BW	Matte:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-646-025	TEdge Length:BW	Matte:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-646-026	TEdge Length:BW	Matte:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-646-027	TEdge Length:BW	Matte:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-028	TEdge Length:BW	Matte:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-646-029	TEdge Length:BW	Matte:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-646-031	TEdge Length:BW	Texture:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-646-032	TEdge Length:BW	Texture:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-646-033	TEdge Length:BW	Texture:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-034	TEdge Length:BW	Texture:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-646-035	TEdge Length:BW	Texture:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-646-036	TEdge Length:BW	Texture:Thick6	ENG	[0 to 100 / 20 / 1mm]
2-646-037	TEdge Length:BW	Texture:Thick7	ENG	[0 to 100 / 20 / 1mm]
2-646-038	TEdge Length:BW	Texture:Thick8	ENG	[0 to 100 / 20 / 1mm]
2-646-039	TEdge Length:BW	Texture:Thick9	ENG	[0 to 100 / 20 / 1mm]
2-646-056	TEdge Length:BW	Transparency	ENG	[0 to 100 / 20 / 1mm]
2-646-061	TEdge Length:BW	Tracing Paper	ENG	[0 to 100 / 20 / 1mm]
2-646-076	TEdge Length:BW	Envelope:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-646-077	TEdge Length:BW	Envelope:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-078	TEdge Length:BW	Envelope:Thick4	ENG	[0 to 100 / 20 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-646-081	TEdge Length:BW	Magnet	ENG	[0 to 100 / 20 / 1mm]
2-646-093	TEdge Length:BW	Metallic:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-646-094	TEdge Length:BW	Metallic:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-646-095	TEdge Length:BW	Metallic:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-646-096	TEdge Length:BW	Metallic:Thick6	ENG	[0 to 100 / 20 / 1mm]
2-646-097	TEdge Length:BW	Metallic:Thick7	ENG	[0 to 100 / 20 / 1mm]
2-646-098	TEdge Length:BW	Metallic:Thick8	ENG	[0 to 100 / 20 / 1mm]
2-646-099	TEdge Length:BW	Metallic:Thick9	ENG	[0 to 100 / 20 / 1mm]
2-651-001	PTR Bias:FC	Plain:Thin:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-002	PTR Bias:FC	Plain:Plain1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-003	PTR Bias:FC	Plain:Plain2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-004	PTR Bias:FC	Plain:Mid-Thick:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-005	PTR Bias:FC	Plain:Thick1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-006	PTR Bias:FC	Plain:Thick2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-007	PTR Bias:FC	Plain:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-008	PTR Bias:FC	Plain:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-009	PTR Bias:FC	Plain:Thick5:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-012	PTR Bias:FC	Glossy:Plain1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-013	PTR Bias:FC	Glossy:Plain2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-014	PTR Bias:FC	Glossy:Mid-Thick:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-015	PTR Bias:FC	Glossy:Thick1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-016	PTR Bias:FC	Glossy:Thick2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-017	PTR Bias:FC	Glossy:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-018	PTR Bias:FC	Glossy:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-019	PTR Bias:FC	Glossy:Thick5:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-022	PTR Bias:FC	Matte:Plain1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-023	PTR Bias:FC	Matte:Plain2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-024	PTR Bias:FC	Matte:Mid-Thick:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-025	PTR Bias:FC	Matte:Thick1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-026	PTR Bias:FC	Matte:Thick2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-027	PTR Bias:FC	Matte:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-028	PTR Bias:FC	Matte:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-029	PTR Bias:FC	Matte:Thick5:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-031	PTR Bias:FC	Texture:Thick1:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-032	PTR Bias:FC	Texture:Thick2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-033	PTR Bias:FC	Texture:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-034	PTR Bias:FC	Texture:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-651-035	PTR Bias:FC	Texture:Thick5:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-036	PTR Bias:FC	Texture:Thick6:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-037	PTR Bias:FC	Texture:Thick7:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-038	PTR Bias:FC	Texture:Thick8:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-039	PTR Bias:FC	Texture:Thick9:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-056	PTR Bias:FC	Transparency:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-061	PTR Bias:FC	Tracing Paper:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-076	PTR Bias:FC	Envelope:Thick2:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-077	PTR Bias:FC	Envelope:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-078	PTR Bias:FC	Envelope:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-081	PTR Bias:FC	Magnet:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-093	PTR Bias:FC	Metallic:Thick3:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-094	PTR Bias:FC	Metallic:Thick4:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-095	PTR Bias:FC	Metallic:Thick5:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-096	PTR Bias:FC	Metallic:Thick6:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-097	PTR Bias:FC	Metallic:Thick7:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-098	PTR Bias:FC	Metallic:Thick8:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-651-099	PTR Bias:FC	Metallic:Thick9:Side1	ENG	[-300 to 0 / -53 / 1uA]
2-652-001	PTR Bias:FC	Plain:Thin:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-002	PTR Bias:FC	Plain:Plain1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-003	PTR Bias:FC	Plain:Plain2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-004	PTR Bias:FC	Plain:Mid-Thick:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-005	PTR Bias:FC	Plain:Thick1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-006	PTR Bias:FC	Plain:Thick2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-007	PTR Bias:FC	Plain:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-008	PTR Bias:FC	Plain:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-009	PTR Bias:FC	Plain:Thick5:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-012	PTR Bias:FC	Glossy:Plain1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-013	PTR Bias:FC	Glossy:Plain2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-014	PTR Bias:FC	Glossy:Mid-Thick:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-015	PTR Bias:FC	Glossy:Thick1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-016	PTR Bias:FC	Glossy:Thick2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-017	PTR Bias:FC	Glossy:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-018	PTR Bias:FC	Glossy:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-019	PTR Bias:FC	Glossy:Thick5:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-022	PTR Bias:FC	Matte:Plain1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-023	PTR Bias:FC	Matte:Plain2:Side2	ENG	[-300 to 0 / -53 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-652-024	PTR Bias:FC	Matte:Mid-Thick:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-025	PTR Bias:FC	Matte:Thick1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-026	PTR Bias:FC	Matte:Thick2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-027	PTR Bias:FC	Matte:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-028	PTR Bias:FC	Matte:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-029	PTR Bias:FC	Matte:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-031	PTR Bias:FC	Texture:Thick1:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-032	PTR Bias:FC	Texture:Thick2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-033	PTR Bias:FC	Texture:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-034	PTR Bias:FC	Texture:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-035	PTR Bias:FC	Texture:Thick5:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-036	PTR Bias:FC	Texture:Thick6:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-037	PTR Bias:FC	Texture:Thick7:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-038	PTR Bias:FC	Texture:Thick8:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-039	PTR Bias:FC	Texture:Thick9:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-056	PTR Bias:FC	Transparency:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-061	PTR Bias:FC	Tracing Paper:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-076	PTR Bias:FC	Envelope:Thick2:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-077	PTR Bias:FC	Envelope:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-078	PTR Bias:FC	Envelope:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-081	PTR Bias:FC	Magnet:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-093	PTR Bias:FC	Metallic:Thick3:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-094	PTR Bias:FC	Metallic:Thick4:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-095	PTR Bias:FC	Metallic:Thick5:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-096	PTR Bias:FC	Metallic:Thick6:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-097	PTR Bias:FC	Metallic:Thick7:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-098	PTR Bias:FC	Metallic:Thick8:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-652-099	PTR Bias:FC	Metallic:Thick9:Side2	ENG	[-300 to 0 / -53 / 1uA]
2-653-001	LEdge Coeff:FC	Plain:Thin	ENG	[5 to 300 / 120 / 1%]
2-653-002	LEdge Coeff:FC	Plain:Plain1	ENG	[5 to 300 / 140 / 1%]
2-653-003	LEdge Coeff:FC	Plain:Plain2	ENG	[5 to 300 / 160 / 1%]
2-653-004	LEdge Coeff:FC	Plain:Mid-Thick	ENG	[5 to 300 / 180 / 1%]
2-653-005	LEdge Coeff:FC	Plain:Thick1	ENG	[5 to 300 / 180 / 1%]
2-653-006	LEdge Coeff:FC	Plain:Thick2	ENG	[5 to 300 / 180 / 1%]
2-653-007	LEdge Coeff:FC	Plain:Thick3	ENG	[5 to 300 / 180 / 1%]
2-653-008	LEdge Coeff:FC	Plain:Thick4	ENG	[5 to 300 / 180 / 1%]
2-653-009	LEdge Coeff:FC	Plain:Thick5	ENG	[5 to 300 / 180 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-653-012	LEdge Coeff:FC	Glossy:Plain1	ENG	[5 to 300 / 120 / 1%]
2-653-013	LEdge Coeff:FC	Glossy:Plain2	ENG	[5 to 300 / 140 / 1%]
2-653-014	LEdge Coeff:FC	Glossy:Mid-Thick	ENG	[5 to 300 / 150 / 1%]
2-653-015	LEdge Coeff:FC	Glossy:Thick1	ENG	[5 to 300 / 150 / 1%]
2-653-016	LEdge Coeff:FC	Glossy:Thick2	ENG	[5 to 300 / 150 / 1%]
2-653-017	LEdge Coeff:FC	Glossy:Thick3	ENG	[5 to 300 / 150 / 1%]
2-653-018	LEdge Coeff:FC	Glossy:Thick4	ENG	[5 to 300 / 150 / 1%]
2-653-019	LEdge Coeff:FC	Glossy:Thick5	ENG	[5 to 300 / 150 / 1%]
2-653-022	LEdge Coeff:FC	Matte:Plain1	ENG	[5 to 300 / 120 / 1%]
2-653-023	LEdge Coeff:FC	Matte:Plain2	ENG	[5 to 300 / 140 / 1%]
2-653-024	LEdge Coeff:FC	Matte:Mid-Thick	ENG	[5 to 300 / 150 / 1%]
2-653-025	LEdge Coeff:FC	Matte:Thick1	ENG	[5 to 300 / 150 / 1%]
2-653-026	LEdge Coeff:FC	Matte:Thick2	ENG	[5 to 300 / 150 / 1%]
2-653-027	LEdge Coeff:FC	Matte:Thick3	ENG	[5 to 300 / 150 / 1%]
2-653-028	LEdge Coeff:FC	Matte:Thick4	ENG	[5 to 300 / 150 / 1%]
2-653-029	LEdge Coeff:FC	Matte:Thick5	ENG	[5 to 300 / 150 / 1%]
2-653-031	LEdge Coeff:FC	Texture:Thick1	ENG	[5 to 300 / 150 / 1%]
2-653-032	LEdge Coeff:FC	Texture:Thick2	ENG	[5 to 300 / 150 / 1%]
2-653-033	LEdge Coeff:FC	Texture:Thick3	ENG	[5 to 300 / 150 / 1%]
2-653-034	LEdge Coeff:FC	Texture:Thick4	ENG	[5 to 300 / 150 / 1%]
2-653-035	LEdge Coeff:FC	Texture:Thick5	ENG	[5 to 300 / 150 / 1%]
2-653-036	LEdge Coeff:FC	Texture:Thick6	ENG	[5 to 300 / 150 / 1%]
2-653-037	LEdge Coeff:FC	Texture:Thick7	ENG	[5 to 300 / 150 / 1%]
2-653-038	LEdge Coeff:FC	Texture:Thick8	ENG	[5 to 300 / 150 / 1%]
2-653-039	LEdge Coeff:FC	Texture:Thick9	ENG	[5 to 300 / 150 / 1%]
2-653-056	LEdge Coeff:FC	Transparency	ENG	[5 to 300 / 180 / 1%]
2-653-061	LEdge Coeff:FC	Tracing Paper	ENG	[5 to 300 / 120 / 1%]
2-653-076	LEdge Coeff:FC	Envelope:Thick2	ENG	[5 to 300 / 180 / 1%]
2-653-077	LEdge Coeff:FC	Envelope:Thick3	ENG	[5 to 300 / 180 / 1%]
2-653-078	LEdge Coeff:FC	Envelope:Thick4	ENG	[5 to 300 / 180 / 1%]
2-653-081	LEdge Coeff:FC	Magnet	ENG	[5 to 300 / 180 / 1%]
2-653-093	LEdge Coeff:FC	Metallic:Thick3	ENG	[5 to 300 / 180 / 1%]
2-653-094	LEdge Coeff:FC	Metallic:Thick4	ENG	[5 to 300 / 180 / 1%]
2-653-095	LEdge Coeff:FC	Metallic:Thick5	ENG	[5 to 300 / 180 / 1%]
2-653-096	LEdge Coeff:FC	Metallic:Thick6	ENG	[5 to 300 / 180 / 1%]
2-653-097	LEdge Coeff:FC	Metallic:Thick7	ENG	[5 to 300 / 180 / 1%]
2-653-098	LEdge Coeff:FC	Metallic:Thick8	ENG	[5 to 300 / 180 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-653-099	LEdge Coeff:FC	Metallic:Thick9	ENG	[5 to 300 / 180 / 1%]
2-654-001	LEdge Length:FC	Plain:Thin	ENG	[0 to 30 / 12 / 1mm]
2-654-002	LEdge Length:FC	Plain:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-654-003	LEdge Length:FC	Plain:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-654-004	LEdge Length:FC	Plain:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-654-005	LEdge Length:FC	Plain:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-654-006	LEdge Length:FC	Plain:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-654-007	LEdge Length:FC	Plain:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-008	LEdge Length:FC	Plain:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-009	LEdge Length:FC	Plain:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-654-012	LEdge Length:FC	Glossy:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-654-013	LEdge Length:FC	Glossy:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-654-014	LEdge Length:FC	Glossy:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-654-015	LEdge Length:FC	Glossy:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-654-016	LEdge Length:FC	Glossy:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-654-017	LEdge Length:FC	Glossy:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-018	LEdge Length:FC	Glossy:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-019	LEdge Length:FC	Glossy:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-654-022	LEdge Length:FC	Matte:Plain1	ENG	[0 to 30 / 12 / 1mm]
2-654-023	LEdge Length:FC	Matte:Plain2	ENG	[0 to 30 / 12 / 1mm]
2-654-024	LEdge Length:FC	Matte:Mid-Thick	ENG	[0 to 30 / 5 / 1mm]
2-654-025	LEdge Length:FC	Matte:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-654-026	LEdge Length:FC	Matte:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-654-027	LEdge Length:FC	Matte:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-028	LEdge Length:FC	Matte:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-029	LEdge Length:FC	Matte:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-654-031	LEdge Length:FC	Texture:Thick1	ENG	[0 to 30 / 5 / 1mm]
2-654-032	LEdge Length:FC	Texture:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-654-033	LEdge Length:FC	Texture:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-034	LEdge Length:FC	Texture:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-035	LEdge Length:FC	Texture:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-654-036	LEdge Length:FC	Texture:Thick6	ENG	[0 to 30 / 5 / 1mm]
2-654-037	LEdge Length:FC	Texture:Thick7	ENG	[0 to 30 / 5 / 1mm]
2-654-038	LEdge Length:FC	Texture:Thick8	ENG	[0 to 30 / 5 / 1mm]
2-654-039	LEdge Length:FC	Texture:Thick9	ENG	[0 to 30 / 5 / 1mm]
2-654-056	LEdge Length:FC	Transparency	ENG	[0 to 30 / 5 / 1mm]
2-654-061	LEdge Length:FC	Tracing Paper	ENG	[0 to 30 / 12 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-654-076	LEdge Length:FC	Envelope:Thick2	ENG	[0 to 30 / 5 / 1mm]
2-654-077	LEdge Length:FC	Envelope:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-078	LEdge Length:FC	Envelope:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-081	LEdge Length:FC	Magnet	ENG	[0 to 30 / 5 / 1mm]
2-654-093	LEdge Length:FC	Metallic:Thick3	ENG	[0 to 30 / 5 / 1mm]
2-654-094	LEdge Length:FC	Metallic:Thick4	ENG	[0 to 30 / 5 / 1mm]
2-654-095	LEdge Length:FC	Metallic:Thick5	ENG	[0 to 30 / 5 / 1mm]
2-654-096	LEdge Length:FC	Metallic:Thick6	ENG	[0 to 30 / 5 / 1mm]
2-654-097	LEdge Length:FC	Metallic:Thick7	ENG	[0 to 30 / 5 / 1mm]
2-654-098	LEdge Length:FC	Metallic:Thick8	ENG	[0 to 30 / 5 / 1mm]
2-654-099	LEdge Length:FC	Metallic:Thick9	ENG	[0 to 30 / 5 / 1mm]
2-655-001	TEdge Coeff:FC	Plain:Thin	ENG	[5 to 300 / 100 / 1%]
2-655-002	TEdge Coeff:FC	Plain:Plain1	ENG	[5 to 300 / 100 / 1%]
2-655-003	TEdge Coeff:FC	Plain:Plain2	ENG	[5 to 300 / 100 / 1%]
2-655-004	TEdge Coeff:FC	Plain:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-655-005	TEdge Coeff:FC	Plain:Thick1	ENG	[5 to 300 / 100 / 1%]
2-655-006	TEdge Coeff:FC	Plain:Thick2	ENG	[5 to 300 / 100 / 1%]
2-655-007	TEdge Coeff:FC	Plain:Thick3	ENG	[5 to 300 / 100 / 1%]
2-655-008	TEdge Coeff:FC	Plain:Thick4	ENG	[5 to 300 / 100 / 1%]
2-655-009	TEdge Coeff:FC	Plain:Thick5	ENG	[5 to 300 / 100 / 1%]
2-655-012	TEdge Coeff:FC	Glossy:Plain1	ENG	[5 to 300 / 100 / 1%]
2-655-013	TEdge Coeff:FC	Glossy:Plain2	ENG	[5 to 300 / 100 / 1%]
2-655-014	TEdge Coeff:FC	Glossy:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-655-015	TEdge Coeff:FC	Glossy:Thick1	ENG	[5 to 300 / 100 / 1%]
2-655-016	TEdge Coeff:FC	Glossy:Thick2	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-017	TEdge Coeff:FC	Glossy:Thick3	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-018	TEdge Coeff:FC	Glossy:Thick4	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 40 *Pro C5210S: 40
2-655-019	TEdge Coeff:FC	Glossy:Thick5	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-022	TEdge Coeff:FC	Matte:Plain1	ENG	[5 to 300 / 100 / 1%]
2-655-023	TEdge Coeff:FC	Matte:Plain2	ENG	[5 to 300 / 100 / 1%]
2-655-024	TEdge Coeff:FC	Matte:Mid-Thick	ENG	[5 to 300 / 100 / 1%]
2-655-025	TEdge Coeff:FC	Matte:Thick1	ENG	[5 to 300 / 100 / 1%]
2-655-026	TEdge Coeff:FC	Matte:Thick2	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-027	TEdge Coeff:FC	Matte:Thick3	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-028	TEdge Coeff:FC	Matte:Thick4	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-029	TEdge Coeff:FC	Matte:Thick5	ENG	[5 to 300 / * / 1%] *MP C6503: 100 *MP C8003: 100 *Pro C5200S: 40 *Pro C5210S: 40
2-655-031	TEdge Coeff:FC	Texture:Thick1	ENG	[5 to 300 / 100 / 1%]
2-655-032	TEdge Coeff:FC	Texture:Thick2	ENG	[5 to 300 / 100 / 1%]
2-655-033	TEdge Coeff:FC	Texture:Thick3	ENG	[5 to 300 / 100 / 1%]
2-655-034	TEdge Coeff:FC	Texture:Thick4	ENG	[5 to 300 / 100 / 1%]
2-655-035	TEdge Coeff:FC	Texture:Thick5	ENG	[5 to 300 / 100 / 1%]
2-655-036	TEdge Coeff:FC	Texture:Thick6	ENG	[5 to 300 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-655-037	TEdge Coeff:FC	Texture:Thick7	ENG	[5 to 300 / 100 / 1%]
2-655-038	TEdge Coeff:FC	Texture:Thick8	ENG	[5 to 300 / 100 / 1%]
2-655-039	TEdge Coeff:FC	Texture:Thick9	ENG	[5 to 300 / 100 / 1%]
2-655-056	TEdge Coeff:FC	Transparency	ENG	[5 to 300 / 100 / 1%]
2-655-061	TEdge Coeff:FC	Tracing Paper	ENG	[5 to 300 / 100 / 1%]
2-655-076	TEdge Coeff:FC	Envelope:Thick2	ENG	[5 to 300 / 100 / 1%]
2-655-077	TEdge Coeff:FC	Envelope:Thick3	ENG	[5 to 300 / 100 / 1%]
2-655-078	TEdge Coeff:FC	Envelope:Thick4	ENG	[5 to 300 / 100 / 1%]
2-655-081	TEdge Coeff:FC	Magnet	ENG	[5 to 300 / 100 / 1%]
2-655-093	TEdge Coeff:FC	Metallic:Thick3	ENG	[5 to 300 / 100 / 1%]
2-655-094	TEdge Coeff:FC	Metallic:Thick4	ENG	[5 to 300 / 100 / 1%]
2-655-095	TEdge Coeff:FC	Metallic:Thick5	ENG	[5 to 300 / 100 / 1%]
2-655-096	TEdge Coeff:FC	Metallic:Thick6	ENG	[5 to 300 / 100 / 1%]
2-655-097	TEdge Coeff:FC	Metallic:Thick7	ENG	[5 to 300 / 100 / 1%]
2-655-098	TEdge Coeff:FC	Metallic:Thick8	ENG	[5 to 300 / 100 / 1%]
2-655-099	TEdge Coeff:FC	Metallic:Thick9	ENG	[5 to 300 / 100 / 1%]
2-656-001	TEdge Length:FC	Plain:Thin	ENG	[0 to 100 / 20 / 1mm]
2-656-002	TEdge Length:FC	Plain:Plain1	ENG	[0 to 100 / 20 / 1mm]
2-656-003	TEdge Length:FC	Plain:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-656-004	TEdge Length:FC	Plain:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-656-005	TEdge Length:FC	Plain:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-656-006	TEdge Length:FC	Plain:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-656-007	TEdge Length:FC	Plain:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-008	TEdge Length:FC	Plain:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-009	TEdge Length:FC	Plain:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-656-012	TEdge Length:FC	Glossy:Plain1	ENG	[0 to 100 / 20 / 1mm]
2-656-013	TEdge Length:FC	Glossy:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-656-014	TEdge Length:FC	Glossy:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-656-015	TEdge Length:FC	Glossy:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-656-016	TEdge Length:FC	Glossy:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-656-017	TEdge Length:FC	Glossy:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-018	TEdge Length:FC	Glossy:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-019	TEdge Length:FC	Glossy:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-656-022	TEdge Length:FC	Matte:Plain1	ENG	[0 to 100 / 20 / 1mm]
2-656-023	TEdge Length:FC	Matte:Plain2	ENG	[0 to 100 / 20 / 1mm]
2-656-024	TEdge Length:FC	Matte:Mid-Thick	ENG	[0 to 100 / 20 / 1mm]
2-656-025	TEdge Length:FC	Matte:Thick1	ENG	[0 to 100 / 20 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-656-026	TEdge Length:FC	Matte:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-656-027	TEdge Length:FC	Matte:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-028	TEdge Length:FC	Matte:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-029	TEdge Length:FC	Matte:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-656-031	TEdge Length:FC	Texture:Thick1	ENG	[0 to 100 / 20 / 1mm]
2-656-032	TEdge Length:FC	Texture:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-656-033	TEdge Length:FC	Texture:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-034	TEdge Length:FC	Texture:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-035	TEdge Length:FC	Texture:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-656-036	TEdge Length:FC	Texture:Thick6	ENG	[0 to 100 / 20 / 1mm]
2-656-037	TEdge Length:FC	Texture:Thick7	ENG	[0 to 100 / 20 / 1mm]
2-656-038	TEdge Length:FC	Texture:Thick8	ENG	[0 to 100 / 20 / 1mm]
2-656-039	TEdge Length:FC	Texture:Thick9	ENG	[0 to 100 / 20 / 1mm]
2-656-056	TEdge Length:FC	Transparency	ENG	[0 to 100 / 20 / 1mm]
2-656-061	TEdge Length:FC	Tracing Paper	ENG	[0 to 100 / 20 / 1mm]
2-656-076	TEdge Length:FC	Envelope:Thick2	ENG	[0 to 100 / 20 / 1mm]
2-656-077	TEdge Length:FC	Envelope:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-078	TEdge Length:FC	Envelope:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-081	TEdge Length:FC	Magnet	ENG	[0 to 100 / 20 / 1mm]
2-656-093	TEdge Length:FC	Metallic:Thick3	ENG	[0 to 100 / 20 / 1mm]
2-656-094	TEdge Length:FC	Metallic:Thick4	ENG	[0 to 100 / 20 / 1mm]
2-656-095	TEdge Length:FC	Metallic:Thick5	ENG	[0 to 100 / 20 / 1mm]
2-656-096	TEdge Length:FC	Metallic:Thick6	ENG	[0 to 100 / 20 / 1mm]
2-656-097	TEdge Length:FC	Metallic:Thick7	ENG	[0 to 100 / 20 / 1mm]
2-656-098	TEdge Length:FC	Metallic:Thick8	ENG	[0 to 100 / 20 / 1mm]
2-656-099	TEdge Length:FC	Metallic:Thick9	ENG	[0 to 100 / 20 / 1mm]
2-661-001	PTR Spd Adjustment	Plain:Thin	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-002	PTR Spd Adjustment	Plain:Plain1	ENG	[-5 to 5 / 0.3 / 0.01%]
2-661-003	PTR Spd Adjustment	Plain:Plain2	ENG	[-5 to 5 / 0.3 / 0.01%]
2-661-004	PTR Spd Adjustment	Plain:Mid-Thick	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-005	PTR Spd Adjustment	Plain:Thick1	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-006	PTR Spd Adjustment	Plain:Thick2	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-007	PTR Spd Adjustment	Plain:Thick3	ENG	[-5 to 5 / -0.5 / 0.01%]
2-661-008	PTR Spd Adjustment	Plain:Thick4	ENG	[-5 to 5 / -0.55 / 0.01%]
2-661-009	PTR Spd Adjustment	Plain:Thick5	ENG	[-5 to 5 / -0.6 / 0.01%]
2-661-012	PTR Spd Adjustment	Glossy:Plain1	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-013	PTR Spd Adjustment	Glossy:Plain2	ENG	[-5 to 5 / 0.4 / 0.01%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-661-014	PTR Spd Adjustment	Glossy:Mid-Thick	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-015	PTR Spd Adjustment	Glossy:Thick1	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-016	PTR Spd Adjustment	Glossy:Thick2	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-017	PTR Spd Adjustment	Glossy:Thick3	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-018	PTR Spd Adjustment	Glossy:Thick4	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-019	PTR Spd Adjustment	Glossy:Thick5	ENG	[-5 to 5 / 0.05 / 0.01%]
2-661-022	PTR Spd Adjustment	Matte:Plain1	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-023	PTR Spd Adjustment	Matte:Plain2	ENG	[-5 to 5 / 0.3 / 0.01%]
2-661-024	PTR Spd Adjustment	Matte:Mid-Thick	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-025	PTR Spd Adjustment	Matte:Thick1	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-026	PTR Spd Adjustment	Matte:Thick2	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-027	PTR Spd Adjustment	Matte:Thick3	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-028	PTR Spd Adjustment	Matte:Thick4	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-029	PTR Spd Adjustment	Matte:Thick5	ENG	[-5 to 5 / 0.05 / 0.01%]
2-661-031	PTR Spd Adjustment	Texture:Thick1	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-032	PTR Spd Adjustment	Texture:Thick2	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-033	PTR Spd Adjustment	Texture:Thick3	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-034	PTR Spd Adjustment	Texture:Thick4	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-035	PTR Spd Adjustment	Texture:Thick5	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-036	PTR Spd Adjustment	Texture:Thick6	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-037	PTR Spd Adjustment	Texture:Thick7	ENG	[-5 to 5 / -0.5 / 0.01%]
2-661-038	PTR Spd Adjustment	Texture:Thick8	ENG	[-5 to 5 / -0.55 / 0.01%]
2-661-039	PTR Spd Adjustment	Texture:Thick9	ENG	[-5 to 5 / -0.6 / 0.01%]
2-661-056	PTR Spd Adjustment	Transparency	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-061	PTR Spd Adjustment	Tracing Paper	ENG	[-5 to 5 / -0.1 / 0.01%]
2-661-076	PTR Spd Adjustment	Envelope:Thick2	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-077	PTR Spd Adjustment	Envelope:Thick3	ENG	[-5 to 5 / -0.5 / 0.01%]
2-661-078	PTR Spd Adjustment	Envelope:Thick4	ENG	[-5 to 5 / -0.55 / 0.01%]
2-661-081	PTR Spd Adjustment	Magnet	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-093	PTR Spd Adjustment	Metallic:Thick3	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-094	PTR Spd Adjustment	Metallic:Thick4	ENG	[-5 to 5 / 0.4 / 0.01%]
2-661-095	PTR Spd Adjustment	Metallic:Thick5	ENG	[-5 to 5 / -0.3 / 0.01%]
2-661-096	PTR Spd Adjustment	Metallic:Thick6	ENG	[-5 to 5 / -0.35 / 0.01%]
2-661-097	PTR Spd Adjustment	Metallic:Thick7	ENG	[-5 to 5 / -0.5 / 0.01%]
2-661-098	PTR Spd Adjustment	Metallic:Thick8	ENG	[-5 to 5 / -0.55 / 0.01%]
2-661-099	PTR Spd Adjustment	Metallic:Thick9	ENG	[-5 to 5 / -0.6 / 0.01%]
2-665-001	PTR Spd Adj:Env	Env Coeff:LLL	ENG*	[-5 to 5 / 0 / 0.01%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-665-002	PTR Spd Adj:Env	Env Coeff:LL	ENG*	[-5 to 5 / 0 / 0.01%]
2-665-003	PTR Spd Adj:Env	Env Coeff:ML	ENG*	[-5 to 5 / 0 / 0.01%]
2-665-004	PTR Spd Adj:Env	Env Coeff:MM	ENG*	[-5 to 5 / 0 / 0.01%]
2-665-005	PTR Spd Adj:Env	Env Coeff:MH	ENG*	[-5 to 5 / 0 / 0.01%]
2-665-006	PTR Spd Adj:Env	Env Coeff:HH	ENG*	[-5 to 5 / 0 / 0.01%]
2-671-001	PTR CV:Env Coeff	LLL:BW:Side1	ENG*	[10 to 500 / 210 / 1%]
2-671-002	PTR CV:Env Coeff	LLL:BW:Side2	ENG*	[10 to 500 / 210 / 1%]
2-671-003	PTR CV:Env Coeff	LLL:FC:Side1	ENG*	[10 to 500 / 210 / 1%]
2-671-004	PTR CV:Env Coeff	LLL:FC:Side2	ENG*	[10 to 500 / 210 / 1%]
2-671-011	PTR CV:Env Coeff	LL:BW:Side1	ENG*	[10 to 500 / 140 / 1%]
2-671-012	PTR CV:Env Coeff	LL:BW:Side2	ENG*	[10 to 500 / 140 / 1%]
2-671-013	PTR CV:Env Coeff	LL:FC:Side1	ENG*	[10 to 500 / 150 / 1%]
2-671-014	PTR CV:Env Coeff	LL:FC:Side2	ENG*	[10 to 500 / 150 / 1%]
2-671-021	PTR CV:Env Coeff	ML:BW:Side1	ENG*	[10 to 500 / 90 / 1%]
2-671-022	PTR CV:Env Coeff	ML:BW:Side2	ENG*	[10 to 500 / 90 / 1%]
2-671-023	PTR CV:Env Coeff	ML:FC:Side1	ENG*	[10 to 500 / 100 / 1%]
2-671-024	PTR CV:Env Coeff	ML:FC:Side2	ENG*	[10 to 500 / 100 / 1%]
2-671-031	PTR CV:Env Coeff	MM:BW:Side1	ENG*	[10 to 500 / 60 / 1%]
2-671-032	PTR CV:Env Coeff	MM:BW:Side2	ENG*	[10 to 500 / 60 / 1%]
2-671-033	PTR CV:Env Coeff	MM:FC:Side1	ENG*	[10 to 500 / 70 / 1%]
2-671-034	PTR CV:Env Coeff	MM:FC:Side2	ENG*	[10 to 500 / 70 / 1%]
2-671-041	PTR CV:Env Coeff	MH:BW:Side1	ENG*	[10 to 500 / 40 / 1%]
2-671-042	PTR CV:Env Coeff	MH:BW:Side2	ENG*	[10 to 500 / 40 / 1%]
2-671-043	PTR CV:Env Coeff	MH:FC:Side1	ENG*	[10 to 500 / 50 / 1%]
2-671-044	PTR CV:Env Coeff	MH:FC:Side2	ENG*	[10 to 500 / 50 / 1%]
2-671-051	PTR CV:Env Coeff	HH:BW:Side1	ENG*	[10 to 500 / 33 / 1%]
2-671-052	PTR CV:Env Coeff	HH:BW:Side2	ENG*	[10 to 500 / 33 / 1%]
2-671-053	PTR CV:Env Coeff	HH:FC:Side1	ENG*	[10 to 500 / 40 / 1%]
2-671-054	PTR CV:Env Coeff	HH:FC:Side2	ENG*	[10 to 500 / 40 / 1%]
2-672-001	PTR CV:R Coeff	R-1	ENG*	[50 to 300 / 100 / 1%]
2-672-002	PTR CV:R Coeff	R-2	ENG*	[50 to 300 / 100 / 1%]
2-672-003	PTR CV:R Coeff	R-3	ENG*	[50 to 300 / 100 / 1%]
2-672-004	PTR CV:R Coeff	R-4	ENG*	[50 to 300 / 100 / 1%]
2-672-005	PTR CV:R Coeff	R-5	ENG*	[50 to 300 / 100 / 1%]
2-672-006	PTR CV:R Coeff	R-6	ENG*	[50 to 300 / 100 / 1%]
2-672-007	PTR CV:R Coeff	R-7	ENG*	[50 to 300 / 100 / 1%]
2-672-008	PTR CV:R Coeff	R-8	ENG*	[50 to 300 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-672-009	PTR CV:R Coeff	R-9	ENG*	[50 to 300 / 100 / 1%]
2-672-010	PTR CV:R Coeff	R-10	ENG*	[50 to 300 / 100 / 1%]
2-672-011	PTR CV:R Coeff	R-11	ENG*	[50 to 300 / 100 / 1%]
2-672-012	PTR CV:R Coeff	R-12	ENG*	[50 to 300 / 100 / 1%]
2-672-013	PTR CV:R Coeff	R-13	ENG*	[50 to 300 / 100 / 1%]
2-672-014	PTR CV:R Coeff	R-14	ENG*	[50 to 300 / 100 / 1%]
2-672-015	PTR CV:R Coeff	R-15	ENG*	[50 to 300 / 100 / 1%]
2-672-016	PTR CV:R Coeff	R-16	ENG*	[50 to 300 / 100 / 1%]
2-672-017	PTR CV:R Coeff	R-17	ENG*	[50 to 300 / 100 / 1%]
2-672-018	PTR CV:R Coeff	R-18	ENG*	[50 to 300 / 100 / 1%]
2-672-019	PTR CV:R Coeff	R-19	ENG*	[50 to 300 / 100 / 1%]
2-672-020	PTR CV:R Coeff	R-20	ENG*	[50 to 300 / 100 / 1%]
2-672-021	PTR CV:R Coeff	R-21	ENG*	[50 to 300 / 100 / 1%]
2-672-022	PTR CV:R Coeff	R-22	ENG*	[50 to 300 / 100 / 1%]
2-672-023	PTR CV:R Coeff	R-23	ENG*	[50 to 300 / 100 / 1%]
2-672-024	PTR CV:R Coeff	R-24	ENG*	[50 to 300 / 100 / 1%]
2-672-025	PTR CV:R Coeff	R-25	ENG*	[50 to 300 / 100 / 1%]
2-672-026	PTR CV:R Coeff	R-26	ENG*	[50 to 300 / 109 / 1%]
2-672-027	PTR CV:R Coeff	R-27	ENG*	[50 to 300 / 119 / 1%]
2-672-028	PTR CV:R Coeff	R-28	ENG*	[50 to 300 / 130 / 1%]
2-672-029	PTR CV:R Coeff	R-29	ENG*	[50 to 300 / 142 / 1%]
2-672-030	PTR CV:R Coeff	R-30	ENG*	[50 to 300 / 155 / 1%]
2-672-031	PTR CV:R Coeff	R-31	ENG*	[50 to 300 / 170 / 1%]
2-672-032	PTR CV:R Coeff	R-32	ENG*	[50 to 300 / 187 / 1%]
2-672-033	PTR CV:R Coeff	R-33	ENG*	[50 to 300 / 206 / 1%]
2-672-034	PTR CV:R Coeff	R-34	ENG*	[50 to 300 / 227 / 1%]
2-672-035	PTR CV:R Coeff	R-35	ENG*	[50 to 300 / 250 / 1%]
2-673-001	PTR CV timing: Coeff	R-1	ENG*	[10 to 300 / 100 / 1%]
2-673-002	PTR CV timing: Coeff	R-2	ENG*	[10 to 300 / 100 / 1%]
2-673-003	PTR CV timing: Coeff	R-3	ENG*	[10 to 300 / 100 / 1%]
2-673-004	PTR CV timing: Coeff	R-4	ENG*	[10 to 300 / 100 / 1%]
2-673-005	PTR CV timing: Coeff	R-5	ENG*	[10 to 300 / 100 / 1%]
2-673-006	PTR CV timing: Coeff	R-6	ENG*	[10 to 300 / 100 / 1%]
2-673-007	PTR CV timing: Coeff	R-7	ENG*	[10 to 300 / 100 / 1%]
2-673-008	PTR CV timing: Coeff	R-8	ENG*	[10 to 300 / 100 / 1%]
2-673-009	PTR CV timing: Coeff	R-9	ENG*	[10 to 300 / 100 / 1%]
2-673-010	PTR CV timing: Coeff	R-10	ENG*	[10 to 300 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-673-011	PTR CV timing: Coeff	R-11	ENG*	[10 to 300 / 100 / 1%]
2-673-012	PTR CV timing: Coeff	R-12	ENG*	[10 to 300 / 100 / 1%]
2-673-013	PTR CV timing: Coeff	R-13	ENG*	[10 to 300 / 100 / 1%]
2-673-014	PTR CV timing: Coeff	R-14	ENG*	[10 to 300 / 100 / 1%]
2-673-015	PTR CV timing: Coeff	R-15	ENG*	[10 to 300 / 100 / 1%]
2-673-016	PTR CV timing: Coeff	R-16	ENG*	[10 to 300 / 100 / 1%]
2-673-017	PTR CV timing: Coeff	R-17	ENG*	[10 to 300 / 100 / 1%]
2-673-018	PTR CV timing: Coeff	R-18	ENG*	[10 to 300 / 100 / 1%]
2-673-019	PTR CV timing: Coeff	R-19	ENG*	[10 to 300 / 100 / 1%]
2-673-020	PTR CV timing: Coeff	R-20	ENG*	[10 to 300 / 100 / 1%]
2-673-021	PTR CV timing: Coeff	R-21	ENG*	[10 to 300 / 100 / 1%]
2-673-022	PTR CV timing: Coeff	R-22	ENG*	[10 to 300 / 100 / 1%]
2-673-023	PTR CV timing: Coeff	R-23	ENG*	[10 to 300 / 100 / 1%]
2-673-024	PTR CV timing: Coeff	R-24	ENG*	[10 to 300 / 100 / 1%]
2-673-025	PTR CV timing: Coeff	R-25	ENG*	[10 to 300 / 100 / 1%]
2-673-026	PTR CV timing: Coeff	R-26	ENG*	[10 to 300 / 100 / 1%]
2-673-027	PTR CV timing: Coeff	R-27	ENG*	[10 to 300 / 100 / 1%]
2-673-028	PTR CV timing: Coeff	R-28	ENG*	[10 to 300 / 106 / 1%]
2-673-029	PTR CV timing: Coeff	R-29	ENG*	[10 to 300 / 112 / 1%]
2-673-030	PTR CV timing: Coeff	R-30	ENG*	[10 to 300 / 120 / 1%]
2-673-031	PTR CV timing: Coeff	R-31	ENG*	[10 to 300 / 128 / 1%]
2-673-032	PTR CV timing: Coeff	R-32	ENG*	[10 to 300 / 136 / 1%]
2-673-033	PTR CV timing: Coeff	R-33	ENG*	[10 to 300 / 140 / 1%]
2-673-034	PTR CV timing: Coeff	R-34	ENG*	[10 to 300 / 140 / 1%]
2-673-035	PTR CV timing: Coeff	R-35	ENG*	[10 to 300 / 140 / 1%]
2-681-001	PTR CV timing:BW	Plain:Thin:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-002	PTR CV timing:BW	Plain:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-003	PTR CV timing:BW	Plain:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-004	PTR CV timing:BW	Plain:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-005	PTR CV timing:BW	Plain:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-006	PTR CV timing:BW	Plain:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-007	PTR CV timing:BW	Plain:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-008	PTR CV timing:BW	Plain:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-009	PTR CV timing:BW	Plain:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-012	PTR CV timing:BW	Glossy:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-013	PTR CV timing:BW	Glossy:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-014	PTR CV timing:BW	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-681-015	PTR CV timing:BW	Glossy:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-016	PTR CV timing:BW	Glossy:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-017	PTR CV timing:BW	Glossy:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-018	PTR CV timing:BW	Glossy:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-019	PTR CV timing:BW	Glossy:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-022	PTR CV timing:BW	Matte:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-023	PTR CV timing:BW	Matte:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-024	PTR CV timing:BW	Matte:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-025	PTR CV timing:BW	Matte:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-026	PTR CV timing:BW	Matte:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-027	PTR CV timing:BW	Matte:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-028	PTR CV timing:BW	Matte:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-029	PTR CV timing:BW	Matte:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-031	PTR CV timing:BW	Texture:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-032	PTR CV timing:BW	Texture:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-033	PTR CV timing:BW	Texture:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-034	PTR CV timing:BW	Texture:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-035	PTR CV timing:BW	Texture:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-036	PTR CV timing:BW	Texture:Thick6:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-037	PTR CV timing:BW	Texture:Thick7:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-038	PTR CV timing:BW	Texture:Thick8:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-039	PTR CV timing:BW	Texture:Thick9:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-056	PTR CV timing:BW	Transparency:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-061	PTR CV timing:BW	Tracing Paper:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-076	PTR CV timing:BW	Envelope:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-077	PTR CV timing:BW	Envelope:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-078	PTR CV timing:BW	Envelope:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-081	PTR CV timing:BW	Magnet:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-093	PTR CV timing:BW	Metallic:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-094	PTR CV timing:BW	Metallic:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-095	PTR CV timing:BW	Metallic:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-096	PTR CV timing:BW	Metallic:Thick6:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-097	PTR CV timing:BW	Metallic:Thick7:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-098	PTR CV timing:BW	Metallic:Thick8:Side1	ENG	[0 to 100 / 50 / 1ms]
2-681-099	PTR CV timing:BW	Metallic:Thick9:Side1	ENG	[0 to 100 / 50 / 1ms]
2-682-001	PTR CV timing:BW	Plain:Thin:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-002	PTR CV timing:BW	Plain:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-682-003	PTR CV timing:BW	Plain:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-004	PTR CV timing:BW	Plain:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-005	PTR CV timing:BW	Plain:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-006	PTR CV timing:BW	Plain:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-007	PTR CV timing:BW	Plain:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-008	PTR CV timing:BW	Plain:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-009	PTR CV timing:BW	Plain:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-012	PTR CV timing:BW	Glossy:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-013	PTR CV timing:BW	Glossy:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-014	PTR CV timing:BW	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-015	PTR CV timing:BW	Glossy:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-016	PTR CV timing:BW	Glossy:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-017	PTR CV timing:BW	Glossy:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-018	PTR CV timing:BW	Glossy:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-019	PTR CV timing:BW	Glossy:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-022	PTR CV timing:BW	Matte:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-023	PTR CV timing:BW	Matte:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-024	PTR CV timing:BW	Matte:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-025	PTR CV timing:BW	Matte:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-026	PTR CV timing:BW	Matte:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-027	PTR CV timing:BW	Matte:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-028	PTR CV timing:BW	Matte:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-029	PTR CV timing:BW	Matte:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-031	PTR CV timing:BW	Texture:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-032	PTR CV timing:BW	Texture:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-033	PTR CV timing:BW	Texture:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-034	PTR CV timing:BW	Texture:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-035	PTR CV timing:BW	Texture:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-036	PTR CV timing:BW	Texture:Thick6:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-037	PTR CV timing:BW	Texture:Thick7:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-038	PTR CV timing:BW	Texture:Thick8:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-039	PTR CV timing:BW	Texture:Thick9:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-056	PTR CV timing:BW	Transparency:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-061	PTR CV timing:BW	Tracing Paper:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-076	PTR CV timing:BW	Envelope:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-077	PTR CV timing:BW	Envelope:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-078	PTR CV timing:BW	Envelope:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-682-081	PTR CV timing:BW	Magnet:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-093	PTR CV timing:BW	Metallic:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-094	PTR CV timing:BW	Metallic:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-095	PTR CV timing:BW	Metallic:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-096	PTR CV timing:BW	Metallic:Thick6:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-097	PTR CV timing:BW	Metallic:Thick7:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-098	PTR CV timing:BW	Metallic:Thick8:Side2	ENG	[0 to 100 / 50 / 1ms]
2-682-099	PTR CV timing:BW	Metallic:Thick9:Side2	ENG	[0 to 100 / 50 / 1ms]
2-683-001	PTR CV ON time:BW	Plain:Thin:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-002	PTR CV ON time:BW	Plain:Plain1:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-003	PTR CV ON time:BW	Plain:Plain2:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-004	PTR CV ON time:BW	Plain:Mid-Thick:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-005	PTR CV ON time:BW	Plain:Thick1:Side1	ENG	[0 to 100 / 28 / 1ms]
2-683-006	PTR CV ON time:BW	Plain:Thick2:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-007	PTR CV ON time:BW	Plain:Thick3:Side1	ENG	[0 to 100 / 22 / 1ms]
2-683-008	PTR CV ON time:BW	Plain:Thick4:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-009	PTR CV ON time:BW	Plain:Thick5:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-012	PTR CV ON time:BW	Glossy:Plain1:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-013	PTR CV ON time:BW	Glossy:Plain2:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-014	PTR CV ON time:BW	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-015	PTR CV ON time:BW	Glossy:Thick1:Side1	ENG	[0 to 100 / 28 / 1ms]
2-683-016	PTR CV ON time:BW	Glossy:Thick2:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-017	PTR CV ON time:BW	Glossy:Thick3:Side1	ENG	[0 to 100 / 22 / 1ms]
2-683-018	PTR CV ON time:BW	Glossy:Thick4:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-019	PTR CV ON time:BW	Glossy:Thick5:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-022	PTR CV ON time:BW	Matte:Plain1:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-023	PTR CV ON time:BW	Matte:Plain2:Side1	ENG	[0 to 100 / 20 / 1ms]
2-683-024	PTR CV ON time:BW	Matte:Mid-Thick:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-025	PTR CV ON time:BW	Matte:Thick1:Side1	ENG	[0 to 100 / 28 / 1ms]
2-683-026	PTR CV ON time:BW	Matte:Thick2:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-027	PTR CV ON time:BW	Matte:Thick3:Side1	ENG	[0 to 100 / 22 / 1ms]
2-683-028	PTR CV ON time:BW	Matte:Thick4:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-029	PTR CV ON time:BW	Matte:Thick5:Side1	ENG	[0 to 100 / 24 / 1ms]
2-683-031	PTR CV ON time:BW	Texture:Thick1:Side1	ENG	[0 to 100 / 10 / 1ms]
2-683-032	PTR CV ON time:BW	Texture:Thick2:Side1	ENG	[0 to 100 / 10 / 1ms]
2-683-033	PTR CV ON time:BW	Texture:Thick3:Side1	ENG	[0 to 100 / 10 / 1ms]
2-683-034	PTR CV ON time:BW	Texture:Thick4:Side1	ENG	[0 to 100 / 12 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-683-035	PTR CV ON time:BW	Texture:Thick5:Side1	ENG	[0 to 100 / 12 / 1ms]
2-683-036	PTR CV ON time:BW	Texture:Thick6:Side1	ENG	[0 to 100 / 14 / 1ms]
2-683-037	PTR CV ON time:BW	Texture:Thick7:Side1	ENG	[0 to 100 / 14 / 1ms]
2-683-038	PTR CV ON time:BW	Texture:Thick8:Side1	ENG	[0 to 100 / 16 / 1ms]
2-683-039	PTR CV ON time:BW	Texture:Thick9:Side1	ENG	[0 to 100 / 16 / 1ms]
2-683-056	PTR CV ON time:BW	Transparency:Side1	ENG	[0 to 100 / 28 / 1ms]
2-683-061	PTR CV ON time:BW	Tracing Paper:Side1	ENG	[0 to 100 / 22 / 1ms]
2-683-076	PTR CV ON time:BW	Envelope:Thick2:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-077	PTR CV ON time:BW	Envelope:Thick3:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-078	PTR CV ON time:BW	Envelope:Thick4:Side1	ENG	[0 to 100 / 26 / 1ms]
2-683-081	PTR CV ON time:BW	Magnet:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-093	PTR CV ON time:BW	Metallic:Thick3:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-094	PTR CV ON time:BW	Metallic:Thick4:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-095	PTR CV ON time:BW	Metallic:Thick5:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-096	PTR CV ON time:BW	Metallic:Thick6:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-097	PTR CV ON time:BW	Metallic:Thick7:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-098	PTR CV ON time:BW	Metallic:Thick8:Side1	ENG	[0 to 100 / 32 / 1ms]
2-683-099	PTR CV ON time:BW	Metallic:Thick9:Side1	ENG	[0 to 100 / 32 / 1ms]
2-684-001	PTR CV ON time:BW	Plain:Thin:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-002	PTR CV ON time:BW	Plain:Plain1:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-003	PTR CV ON time:BW	Plain:Plain2:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-004	PTR CV ON time:BW	Plain:Mid-Thick:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-005	PTR CV ON time:BW	Plain:Thick1:Side2	ENG	[0 to 100 / 28 / 1ms]
2-684-006	PTR CV ON time:BW	Plain:Thick2:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-007	PTR CV ON time:BW	Plain:Thick3:Side2	ENG	[0 to 100 / 22 / 1ms]
2-684-008	PTR CV ON time:BW	Plain:Thick4:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-009	PTR CV ON time:BW	Plain:Thick5:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-012	PTR CV ON time:BW	Glossy:Plain1:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-013	PTR CV ON time:BW	Glossy:Plain2:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-014	PTR CV ON time:BW	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-015	PTR CV ON time:BW	Glossy:Thick1:Side2	ENG	[0 to 100 / 28 / 1ms]
2-684-016	PTR CV ON time:BW	Glossy:Thick2:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-017	PTR CV ON time:BW	Glossy:Thick3:Side2	ENG	[0 to 100 / 22 / 1ms]
2-684-018	PTR CV ON time:BW	Glossy:Thick4:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-019	PTR CV ON time:BW	Glossy:Thick5:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-022	PTR CV ON time:BW	Matte:Plain1:Side2	ENG	[0 to 100 / 20 / 1ms]
2-684-023	PTR CV ON time:BW	Matte:Plain2:Side2	ENG	[0 to 100 / 20 / 1ms]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-684-024	PTR CV ON time:BW	Matte:Mid-Thick:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-025	PTR CV ON time:BW	Matte:Thick1:Side2	ENG	[0 to 100 / 28 / 1ms]
2-684-026	PTR CV ON time:BW	Matte:Thick2:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-027	PTR CV ON time:BW	Matte:Thick3:Side2	ENG	[0 to 100 / 22 / 1ms]
2-684-028	PTR CV ON time:BW	Matte:Thick4:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-029	PTR CV ON time:BW	Matte:Thick4:Side2	ENG	[0 to 100 / 24 / 1ms]
2-684-031	PTR CV ON time:BW	Texture:Thick1:Side2	ENG	[0 to 100 / 10 / 1ms]
2-684-032	PTR CV ON time:BW	Texture:Thick2:Side2	ENG	[0 to 100 / 10 / 1ms]
2-684-033	PTR CV ON time:BW	Texture:Thick3:Side2	ENG	[0 to 100 / 10 / 1ms]
2-684-034	PTR CV ON time:BW	Texture:Thick4:Side2	ENG	[0 to 100 / 12 / 1ms]
2-684-035	PTR CV ON time:BW	Texture:Thick5:Side2	ENG	[0 to 100 / 12 / 1ms]
2-684-036	PTR CV ON time:BW	Texture:Thick6:Side2	ENG	[0 to 100 / 14 / 1ms]
2-684-037	PTR CV ON time:BW	Texture:Thick7:Side2	ENG	[0 to 100 / 14 / 1ms]
2-684-038	PTR CV ON time:BW	Texture:Thick8:Side2	ENG	[0 to 100 / 16 / 1ms]
2-684-039	PTR CV ON time:BW	Texture:Thick9:Side2	ENG	[0 to 100 / 16 / 1ms]
2-684-056	PTR CV ON time:BW	Transparency:Side2	ENG	[0 to 100 / 28 / 1ms]
2-684-061	PTR CV ON time:BW	Tracing Paper:Side2	ENG	[0 to 100 / 22 / 1ms]
2-684-076	PTR CV ON time:BW	Envelope:Thick2:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-077	PTR CV ON time:BW	Envelope:Thick3:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-078	PTR CV ON time:BW	Envelope:Thick4:Side2	ENG	[0 to 100 / 26 / 1ms]
2-684-081	PTR CV ON time:BW	Magnet:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-093	PTR CV ON time:BW	Metallic:Thick3:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-094	PTR CV ON time:BW	Metallic:Thick4:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-095	PTR CV ON time:BW	Metallic:Thick5:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-096	PTR CV ON time:BW	Metallic:Thick6:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-097	PTR CV ON time:BW	Metallic:Thick7:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-098	PTR CV ON time:BW	Metallic:Thick8:Side2	ENG	[0 to 100 / 32 / 1ms]
2-684-099	PTR CV ON time:BW	Metallic:Thick9:Side2	ENG	[0 to 100 / 32 / 1ms]
2-686-001	PTR CV timing:FC	Plain:Thin:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-002	PTR CV timing:FC	Plain:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-003	PTR CV timing:FC	Plain:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-004	PTR CV timing:FC	Plain:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-005	PTR CV timing:FC	Plain:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-006	PTR CV timing:FC	Plain:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-007	PTR CV timing:FC	Plain:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-008	PTR CV timing:FC	Plain:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-009	PTR CV timing:FC	Plain:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-686-012	PTR CV timing:FC	Glossy:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-013	PTR CV timing:FC	Glossy:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-014	PTR CV timing:FC	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-015	PTR CV timing:FC	Glossy:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-016	PTR CV timing:FC	Glossy:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-017	PTR CV timing:FC	Glossy:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-018	PTR CV timing:FC	Glossy:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-019	PTR CV timing:FC	Glossy:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-022	PTR CV timing:FC	Matte:Plain1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-023	PTR CV timing:FC	Matte:Plain2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-024	PTR CV timing:FC	Matte:Mid-Thick:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-025	PTR CV timing:FC	Matte:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-026	PTR CV timing:FC	Matte:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-027	PTR CV timing:FC	Matte:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-028	PTR CV timing:FC	Matte:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-029	PTR CV timing:FC	Matte:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-031	PTR CV timing:FC	Texture:Thick1:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-032	PTR CV timing:FC	Texture:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-033	PTR CV timing:FC	Texture:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-034	PTR CV timing:FC	Texture:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-035	PTR CV timing:FC	Texture:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-036	PTR CV timing:FC	Texture:Thick6:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-037	PTR CV timing:FC	Texture:Thick7:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-038	PTR CV timing:FC	Texture:Thick8:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-039	PTR CV timing:FC	Texture:Thick9:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-056	PTR CV timing:FC	Transparency:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-061	PTR CV timing:FC	Tracing Paper:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-076	PTR CV timing:FC	Envelope:Thick2:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-077	PTR CV timing:FC	Envelope:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-078	PTR CV timing:FC	Envelope:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-081	PTR CV timing:FC	Magnet:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-093	PTR CV timing:FC	Metallic:Thick3:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-094	PTR CV timing:FC	Metallic:Thick4:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-095	PTR CV timing:FC	Metallic:Thick5:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-096	PTR CV timing:FC	Metallic:Thick6:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-097	PTR CV timing:FC	Metallic:Thick7:Side1	ENG	[0 to 100 / 50 / 1ms]
2-686-098	PTR CV timing:FC	Metallic:Thick8:Side1	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-686-099	PTR CV timing:FC	Metallic:Thick9:Side1	ENG	[0 to 100 / 50 / 1ms]
2-687-001	PTR CV timing:FC	Plain:Thin:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-002	PTR CV timing:FC	Plain:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-003	PTR CV timing:FC	Plain:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-004	PTR CV timing:FC	Plain:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-005	PTR CV timing:FC	Plain:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-006	PTR CV timing:FC	Plain:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-007	PTR CV timing:FC	Plain:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-008	PTR CV timing:FC	Plain:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-009	PTR CV timing:FC	Plain:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-012	PTR CV timing:FC	Glossy:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-013	PTR CV timing:FC	Glossy:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-014	PTR CV timing:FC	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-015	PTR CV timing:FC	Glossy:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-016	PTR CV timing:FC	Glossy:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-017	PTR CV timing:FC	Glossy:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-018	PTR CV timing:FC	Glossy:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-019	PTR CV timing:FC	Glossy:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-022	PTR CV timing:FC	Matte:Plain1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-023	PTR CV timing:FC	Matte:Plain2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-024	PTR CV timing:FC	Matte:Mid-Thick:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-025	PTR CV timing:FC	Matte:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-026	PTR CV timing:FC	Matte:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-027	PTR CV timing:FC	Matte:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-028	PTR CV timing:FC	Matte:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-029	PTR CV timing:FC	Matte:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-031	PTR CV timing:FC	Texture:Thick1:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-032	PTR CV timing:FC	Texture:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-033	PTR CV timing:FC	Texture:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-034	PTR CV timing:FC	Texture:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-035	PTR CV timing:FC	Texture:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-036	PTR CV timing:FC	Texture:Thick6:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-037	PTR CV timing:FC	Texture:Thick7:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-038	PTR CV timing:FC	Texture:Thick8:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-039	PTR CV timing:FC	Texture:Thick9:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-056	PTR CV timing:FC	Transparency:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-061	PTR CV timing:FC	Tracing Paper:Side2	ENG	[0 to 100 / 50 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-687-076	PTR CV timing:FC	Envelope:Thick2:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-077	PTR CV timing:FC	Envelope:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-078	PTR CV timing:FC	Envelope:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-081	PTR CV timing:FC	Magnet:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-093	PTR CV timing:FC	Metallic:Thick3:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-094	PTR CV timing:FC	Metallic:Thick4:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-095	PTR CV timing:FC	Metallic:Thick5:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-096	PTR CV timing:FC	Metallic:Thick6:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-097	PTR CV timing:FC	Metallic:Thick7:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-098	PTR CV timing:FC	Metallic:Thick8:Side2	ENG	[0 to 100 / 50 / 1ms]
2-687-099	PTR CV timing:FC	Metallic:Thick9:Side2	ENG	[0 to 100 / 50 / 1ms]
2-688-001	PTR CV ON time:FC	Plain:Thin:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-002	PTR CV ON time:FC	Plain:Plain1:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-003	PTR CV ON time:FC	Plain:Plain2:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-004	PTR CV ON time:FC	Plain:Mid-Thick:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-005	PTR CV ON time:FC	Plain:Thick1:Side1	ENG	[0 to 100 / 32 / 1ms]
2-688-006	PTR CV ON time:FC	Plain:Thick2:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-007	PTR CV ON time:FC	Plain:Thick3:Side1	ENG	[0 to 100 / 26 / 1ms]
2-688-008	PTR CV ON time:FC	Plain:Thick4:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-009	PTR CV ON time:FC	Plain:Thick5:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-012	PTR CV ON time:FC	Glossy:Plain1:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-013	PTR CV ON time:FC	Glossy:Plain2:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-014	PTR CV ON time:FC	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-015	PTR CV ON time:FC	Glossy:Thick1:Side1	ENG	[0 to 100 / 32 / 1ms]
2-688-016	PTR CV ON time:FC	Glossy:Thick2:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-017	PTR CV ON time:FC	Glossy:Thick3:Side1	ENG	[0 to 100 / 26 / 1ms]
2-688-018	PTR CV ON time:FC	Glossy:Thick4:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-019	PTR CV ON time:FC	Glossy:Thick5:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-022	PTR CV ON time:FC	Matte:Plain1:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-023	PTR CV ON time:FC	Matte:Plain2:Side1	ENG	[0 to 100 / 24 / 1ms]
2-688-024	PTR CV ON time:FC	Matte:Mid-Thick:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-025	PTR CV ON time:FC	Matte:Thick1:Side1	ENG	[0 to 100 / 32 / 1ms]
2-688-026	PTR CV ON time:FC	Matte:Thick2:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-027	PTR CV ON time:FC	Matte:Thick3:Side1	ENG	[0 to 100 / 26 / 1ms]
2-688-028	PTR CV ON time:FC	Matte:Thick4:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-029	PTR CV ON time:FC	Matte:Thick5:Side1	ENG	[0 to 100 / 28 / 1ms]
2-688-031	PTR CV ON time:FC	Texture:Thick1:Side1	ENG	[0 to 100 / 16 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-688-032	PTR CV ON time:FC	Texture:Thick2:Side1	ENG	[0 to 100 / 16 / 1ms]
2-688-033	PTR CV ON time:FC	Texture:Thick3:Side1	ENG	[0 to 100 / 16 / 1ms]
2-688-034	PTR CV ON time:FC	Texture:Thick4:Side1	ENG	[0 to 100 / 19 / 1ms]
2-688-035	PTR CV ON time:FC	Texture:Thick5:Side1	ENG	[0 to 100 / 19 / 1ms]
2-688-036	PTR CV ON time:FC	Texture:Thick6:Side1	ENG	[0 to 100 / 22 / 1ms]
2-688-037	PTR CV ON time:FC	Texture:Thick7:Side1	ENG	[0 to 100 / 22 / 1ms]
2-688-038	PTR CV ON time:FC	Texture:Thick8:Side1	ENG	[0 to 100 / 25 / 1ms]
2-688-039	PTR CV ON time:FC	Texture:Thick9:Side1	ENG	[0 to 100 / 25 / 1ms]
2-688-056	PTR CV ON time:FC	Transparency:Side1	ENG	[0 to 100 / 32 / 1ms]
2-688-061	PTR CV ON time:FC	Tracing Paper:Side1	ENG	[0 to 100 / 26 / 1ms]
2-688-076	PTR CV ON time:FC	Envelope:Thick2:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-077	PTR CV ON time:FC	Envelope:Thick3:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-078	PTR CV ON time:FC	Envelope:Thick4:Side1	ENG	[0 to 100 / 30 / 1ms]
2-688-081	PTR CV ON time:FC	Magnet:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-093	PTR CV ON time:FC	Metallic:Thick3:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-094	PTR CV ON time:FC	Metallic:Thick4:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-095	PTR CV ON time:FC	Metallic:Thick5:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-096	PTR CV ON time:FC	Metallic:Thick6:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-097	PTR CV ON time:FC	Metallic:Thick7:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-098	PTR CV ON time:FC	Metallic:Thick8:Side1	ENG	[0 to 100 / 36 / 1ms]
2-688-099	PTR CV ON time:FC	Metallic:Thick9:Side1	ENG	[0 to 100 / 36 / 1ms]
2-689-001	PTR CV ON time:FC	Plain:Thin:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-002	PTR CV ON time:FC	Plain:Plain1:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-003	PTR CV ON time:FC	Plain:Plain2:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-004	PTR CV ON time:FC	Plain:Mid-Thick:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-005	PTR CV ON time:FC	Plain:Thick1:Side2	ENG	[0 to 100 / 32 / 1ms]
2-689-006	PTR CV ON time:FC	Plain:Thick2:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-007	PTR CV ON time:FC	Plain:Thick3:Side2	ENG	[0 to 100 / 26 / 1ms]
2-689-008	PTR CV ON time:FC	Plain:Thick4:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-009	PTR CV ON time:FC	Plain:Thick5:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-012	PTR CV ON time:FC	Glossy:Plain1:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-013	PTR CV ON time:FC	Glossy:Plain2:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-014	PTR CV ON time:FC	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-015	PTR CV ON time:FC	Glossy:Thick1:Side2	ENG	[0 to 100 / 32 / 1ms]
2-689-016	PTR CV ON time:FC	Glossy:Thick2:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-017	PTR CV ON time:FC	Glossy:Thick3:Side2	ENG	[0 to 100 / 26 / 1ms]
2-689-018	PTR CV ON time:FC	Glossy:Thick4:Side2	ENG	[0 to 100 / 28 / 1ms]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-689-019	PTR CV ON time:FC	Glossy:Thick5:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-022	PTR CV ON time:FC	Matte:Plain1:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-023	PTR CV ON time:FC	Matte:Plain2:Side2	ENG	[0 to 100 / 24 / 1ms]
2-689-024	PTR CV ON time:FC	Matte:Mid-Thick:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-025	PTR CV ON time:FC	Matte:Thick1:Side2	ENG	[0 to 100 / 32 / 1ms]
2-689-026	PTR CV ON time:FC	Matte:Thick2:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-027	PTR CV ON time:FC	Matte:Thick3:Side2	ENG	[0 to 100 / 26 / 1ms]
2-689-028	PTR CV ON time:FC	Matte:Thick4:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-029	PTR CV ON time:FC	Matte:Thick4:Side2	ENG	[0 to 100 / 28 / 1ms]
2-689-031	PTR CV ON time:FC	Texture:Thick1:Side2	ENG	[0 to 100 / 16 / 1ms]
2-689-032	PTR CV ON time:FC	Texture:Thick2:Side2	ENG	[0 to 100 / 16 / 1ms]
2-689-033	PTR CV ON time:FC	Texture:Thick3:Side2	ENG	[0 to 100 / 16 / 1ms]
2-689-034	PTR CV ON time:FC	Texture:Thick4:Side2	ENG	[0 to 100 / 19 / 1ms]
2-689-035	PTR CV ON time:FC	Texture:Thick5:Side2	ENG	[0 to 100 / 19 / 1ms]
2-689-036	PTR CV ON time:FC	Texture:Thick6:Side2	ENG	[0 to 100 / 22 / 1ms]
2-689-037	PTR CV ON time:FC	Texture:Thick7:Side2	ENG	[0 to 100 / 22 / 1ms]
2-689-038	PTR CV ON time:FC	Texture:Thick8:Side2	ENG	[0 to 100 / 25 / 1ms]
2-689-039	PTR CV ON time:FC	Texture:Thick9:Side2	ENG	[0 to 100 / 25 / 1ms]
2-689-056	PTR CV ON time:FC	Transparency:Side2	ENG	[0 to 100 / 32 / 1ms]
2-689-061	PTR CV ON time:FC	Tracing Paper:Side2	ENG	[0 to 100 / 26 / 1ms]
2-689-076	PTR CV ON time:FC	Envelope:Thick2:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-077	PTR CV ON time:FC	Envelope:Thick3:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-078	PTR CV ON time:FC	Envelope:Thick4:Side2	ENG	[0 to 100 / 30 / 1ms]
2-689-081	PTR CV ON time:FC	Magnet:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-093	PTR CV ON time:FC	Metallic:Thick3:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-094	PTR CV ON time:FC	Metallic:Thick4:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-095	PTR CV ON time:FC	Metallic:Thick5:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-096	PTR CV ON time:FC	Metallic:Thick6:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-097	PTR CV ON time:FC	Metallic:Thick7:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-098	PTR CV ON time:FC	Metallic:Thick8:Side2	ENG	[0 to 100 / 36 / 1ms]
2-689-099	PTR CV ON time:FC	Metallic:Thick9:Side2	ENG	[0 to 100 / 36 / 1ms]
2-691-001	Pattern Size	Refresh length	ENG*	[0 to 323 / 280 / 0.1mm]
2-691-002	Pattern Size	Prevent Blade Bending	ENG*	[0 to 20 / 8 / 0.1mm]
2-692-001	ITB:Refresh	K:Mono	ENG*	[0 to 70 / 31 / 1uA]
2-692-011	ITB:Refresh	K:All	ENG*	[0 to 70 / 12 / 1uA]
2-692-012	ITB:Refresh	Col:Mono	ENG*	[0 to 70 / 27 / 1uA]
2-692-013	ITB:Refresh	Col:All	ENG*	[0 to 70 / 12 / 1uA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-696-001	Force Apply Lubricant	Execute	ENG	[0 to 1 / 0 / 1]
2-696-002	Force Apply Lubricant	Operate Time	ENG	[0 to 600 / 1800 / 10sec]
2-696-003	Force Apply Lubricant	Date:History 1	ENG	[0 to 991231 / 0 / 1]
2-696-004	Force Apply Lubricant	Date:History 2	ENG	[0 to 991231 / 0 / 1]
2-696-005	Force Apply Lubricant	Date:History 3	ENG	[0 to 991231 / 0 / 1]
2-696-006	Force Apply Lubricant	Date:History 4	ENG	[0 to 991231 / 0 / 1]
2-696-007	Force Apply Lubricant	Date:History 5	ENG	[0 to 991231 / 0 / 1]
2-697-002	Stop Reverse Control	PTR: Exe. Setting	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-697-003	Stop Reverse Control	Exe. Interval Setting	ENG*	[1 to 500 / 30 / 1m]
2-697-004	Stop Reverse Control	Interrupt Exe. Setting	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-697-005	Stop Reverse Control	Interrupt Interval Setting	ENG*	[1 to 500 / 250 / 1m]
2-697-007	Stop Reverse Control	PTR Op Time Setting	ENG*	[10 to 250 / 300 / 10msec]

SP Group 2000-04

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-700-001	PTR AC Corr:ON/OFF	All Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-700-002	PTR AC Corr:ON/OFF	Eng Spd Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-700-003	PTR AC Corr:ON/OFF	Env Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-700-004	PTR AC Corr:ON/OFF	R Corr	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
2-701-001	RTR AC:Eng Spd Coeff	Standard Speed	ENG	[10 to 200 / 100 / 1%]
2-701-002	RTR AC:Eng Spd Coeff	Middle Speed	ENG	[10 to 200 / 100 / 1%]
2-701-003	RTR AC:Eng Spd Coeff	Middle-Low Speed	ENG	[10 to 200 / 100 / 1%]
2-701-004	RTR AC:Eng Spd Coeff	Low Speed	ENG	[10 to 200 / 100 / 1%]
2-702-001	PTR AC:Env Coeff	LLL:BW:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-002	PTR AC:Env Coeff	LLL:BW:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-003	PTR AC:Env Coeff	LLL:FC:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-004	PTR AC:Env Coeff	LLL:FC:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-011	PTR AC:Env Coeff	LL:BW:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-012	PTR AC:Env Coeff	LL:BW:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-013	PTR AC:Env Coeff	LL:FC:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-	PTR AC:Env Coeff	LL:FC:Side2	ENG	[10 to 200 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
2-702-021	PTR AC:Env Coeff	ML:BW:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-022	PTR AC:Env Coeff	ML:BW:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-023	PTR AC:Env Coeff	ML:FC:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-024	PTR AC:Env Coeff	ML:FC:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-031	PTR AC:Env Coeff	MM:BW:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-032	PTR AC:Env Coeff	MM:BW:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-033	PTR AC:Env Coeff	MM:FC:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-034	PTR AC:Env Coeff	MM:FC:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-041	PTR AC:Env Coeff	MH:BW:Side1	ENG	[10 to 200 / 100 / 1%]
2-702-042	PTR AC:Env Coeff	MH:BW:Side2	ENG	[10 to 200 / 100 / 1%]
2-702-043	PTR AC:Env Coeff	MH:FC:Side1	ENG	[10 to 200 / 98 / 1%]
2-702-044	PTR AC:Env Coeff	MH:FC:Side2	ENG	[10 to 200 / 98 / 1%]
2-702-051	PTR AC:Env Coeff	HH:BW:Side1	ENG	[10 to 200 / 97 / 1%]
2-702-052	PTR AC:Env Coeff	HH:BW:Side2	ENG	[10 to 200 / 97 / 1%]
2-702-053	PTR AC:Env Coeff	HH:FC:Side1	ENG	[10 to 200 / 95 / 1%]
2-702-054	PTR AC:Env Coeff	HH:FC:Side2	ENG	[10 to 200 / 95 / 1%]
2-703-001	PTR AC:R Coeff	R-1:Thick1:Side1	ENG	[50 to 300 / 70 / 1%]
2-703-	PTR AC:R Coeff	R-2:Thick1:Side1	ENG	[50 to 300 / 73 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
2-703-003	PTR AC:R Coeff	R-3:Thick1:Side1	ENG	[50 to 300 / 76 / 1%]
2-703-004	PTR AC:R Coeff	R-4:Thick1:Side1	ENG	[50 to 300 / 79 / 1%]
2-703-005	PTR AC:R Coeff	R-5:Thick1:Side1	ENG	[50 to 300 / 82 / 1%]
2-703-006	PTR AC:R Coeff	R-6:Thick1:Side1	ENG	[50 to 300 / 84 / 1%]
2-703-007	PTR AC:R Coeff	R-7:Thick1:Side1	ENG	[50 to 300 / 86 / 1%]
2-703-008	PTR AC:R Coeff	R-8:Thick1:Side1	ENG	[50 to 300 / 88 / 1%]
2-703-009	PTR AC:R Coeff	R-9:Thick1:Side1	ENG	[50 to 300 / 90 / 1%]
2-703-010	PTR AC:R Coeff	R-10:Thick1:Side1	ENG	[50 to 300 / 92 / 1%]
2-703-011	PTR AC:R Coeff	R-11:Thick1:Side1	ENG	[50 to 300 / 94 / 1%]
2-703-012	PTR AC:R Coeff	R-12:Thick1:Side1	ENG	[50 to 300 / 96 / 1%]
2-703-013	PTR AC:R Coeff	R-13:Thick1:Side1	ENG	[50 to 300 / 98 / 1%]
2-703-014	PTR AC:R Coeff	R-14:Thick1:Side1	ENG	[50 to 300 / 100 / 1%]
2-703-015	PTR AC:R Coeff	R-15:Thick1:Side1	ENG	[50 to 300 / 102 / 1%]
2-703-016	PTR AC:R Coeff	R-16:Thick1:Side1	ENG	[50 to 300 / 104 / 1%]
2-703-017	PTR AC:R Coeff	R-17:Thick1:Side1	ENG	[50 to 300 / 106 / 1%]
2-703-018	PTR AC:R Coeff	R-18:Thick1:Side1	ENG	[50 to 300 / 108 / 1%]
2-703-019	PTR AC:R Coeff	R-19:Thick1:Side1	ENG	[50 to 300 / 110 / 1%]
2-703-	PTR AC:R Coeff	R-20:Thick1:Side1	ENG	[50 to 300 / 112 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
2-703-021	PTR AC:R Coeff	R-21:Thick1:Side1	ENG	[50 to 300 / 115 / 1%]
2-703-022	PTR AC:R Coeff	R-22:Thick1:Side1	ENG	[50 to 300 / 118 / 1%]
2-703-023	PTR AC:R Coeff	R-23:Thick1:Side1	ENG	[50 to 300 / 121 / 1%]
2-703-024	PTR AC:R Coeff	R-24:Thick1:Side1	ENG	[50 to 300 / 124 / 1%]
2-703-025	PTR AC:R Coeff	R-25:Thick1:Side1	ENG	[50 to 300 / 127 / 1%]
2-703-026	PTR AC:R Coeff	R-26:Thick1:Side1	ENG	[50 to 300 / 130 / 1%]
2-703-027	PTR AC:R Coeff	R-27:Thick1:Side1	ENG	[50 to 300 / 133 / 1%]
2-703-028	PTR AC:R Coeff	R-28:Thick1:Side1	ENG	[50 to 300 / 136 / 1%]
2-703-029	PTR AC:R Coeff	R-29:Thick1:Side1	ENG	[50 to 300 / 139 / 1%]
2-703-030	PTR AC:R Coeff	R-30:Thick1:Side1	ENG	[50 to 300 / 142 / 1%]
2-703-031	PTR AC:R Coeff	R-31:Thick1:Side1	ENG	[50 to 300 / 145 / 1%]
2-703-032	PTR AC:R Coeff	R-32:Thick1:Side1	ENG	[50 to 300 / 148 / 1%]
2-703-033	PTR AC:R Coeff	R-33:Thick1:Side1	ENG	[50 to 300 / 151 / 1%]
2-703-034	PTR AC:R Coeff	R-34:Thick1:Side1	ENG	[50 to 300 / 154 / 1%]
2-703-035	PTR AC:R Coeff	R-35:Thick1:Side1	ENG	[50 to 300 / 157 / 1%]
2-703-101	PTR AC:R Coeff	R-1:Thick1:Side2	ENG	[50 to 300 / 70 / 1%]
2-703-102	PTR AC:R Coeff	R-2:Thick1:Side2	ENG	[50 to 300 / 73 / 1%]
2-703-	PTR AC:R Coeff	R-3:Thick1:Side2	ENG	[50 to 300 / 76 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
2-703-104	PTR AC:R Coeff	R-4:Thick1:Side2	ENG	[50 to 300 / 79 / 1%]
2-703-105	PTR AC:R Coeff	R-5:Thick1:Side2	ENG	[50 to 300 / 82 / 1%]
2-703-106	PTR AC:R Coeff	R-6:Thick1:Side2	ENG	[50 to 300 / 84 / 1%]
2-703-107	PTR AC:R Coeff	R-7:Thick1:Side2	ENG	[50 to 300 / 86 / 1%]
2-703-108	PTR AC:R Coeff	R-8:Thick1:Side2	ENG	[50 to 300 / 88 / 1%]
2-703-109	PTR AC:R Coeff	R-9:Thick1:Side2	ENG	[50 to 300 / 90 / 1%]
2-703-110	PTR AC:R Coeff	R-10:Thick1:Side2	ENG	[50 to 300 / 92 / 1%]
2-703-111	PTR AC:R Coeff	R-11:Thick1:Side2	ENG	[50 to 300 / 94 / 1%]
2-703-112	PTR AC:R Coeff	R-12:Thick1:Side2	ENG	[50 to 300 / 96 / 1%]
2-703-113	PTR AC:R Coeff	R-13:Thick1:Side2	ENG	[50 to 300 / 98 / 1%]
2-703-114	PTR AC:R Coeff	R-14:Thick1:Side2	ENG	[50 to 300 / 100 / 1%]
2-703-115	PTR AC:R Coeff	R-15:Thick1:Side2	ENG	[50 to 300 / 102 / 1%]
2-703-116	PTR AC:R Coeff	R-16:Thick1:Side2	ENG	[50 to 300 / 104 / 1%]
2-703-117	PTR AC:R Coeff	R-17:Thick1:Side2	ENG	[50 to 300 / 106 / 1%]
2-703-118	PTR AC:R Coeff	R-18:Thick1:Side2	ENG	[50 to 300 / 108 / 1%]
2-703-119	PTR AC:R Coeff	R-19:Thick1:Side2	ENG	[50 to 300 / 110 / 1%]
2-703-120	PTR AC:R Coeff	R-20:Thick1:Side2	ENG	[50 to 300 / 112 / 1%]
2-703-	PTR AC:R Coeff	R-21:Thick1:Side2	ENG	[50 to 300 / 115 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
121				
2-703-122	PTR AC:R Coeff	R-22:Thick1:Side2	ENG	[50 to 300 / 118 / 1%]
2-703-123	PTR AC:R Coeff	R-23:Thick1:Side2	ENG	[50 to 300 / 121 / 1%]
2-703-124	PTR AC:R Coeff	R-24:Thick1:Side2	ENG	[50 to 300 / 124 / 1%]
2-703-125	PTR AC:R Coeff	R-25:Thick1:Side2	ENG	[50 to 300 / 127 / 1%]
2-703-126	PTR AC:R Coeff	R-26:Thick1:Side2	ENG	[50 to 300 / 130 / 1%]
2-703-127	PTR AC:R Coeff	R-27:Thick1:Side2	ENG	[50 to 300 / 133 / 1%]
2-703-128	PTR AC:R Coeff	R-28:Thick1:Side2	ENG	[50 to 300 / 136 / 1%]
2-703-129	PTR AC:R Coeff	R-29:Thick1:Side2	ENG	[50 to 300 / 139 / 1%]
2-703-130	PTR AC:R Coeff	R-30:Thick1:Side2	ENG	[50 to 300 / 142 / 1%]
2-703-131	PTR AC:R Coeff	R-31:Thick1:Side2	ENG	[50 to 300 / 145 / 1%]
2-703-132	PTR AC:R Coeff	R-32:Thick1:Side2	ENG	[50 to 300 / 148 / 1%]
2-703-133	PTR AC:R Coeff	R-33:Thick1:Side2	ENG	[50 to 300 / 151 / 1%]
2-703-134	PTR AC:R Coeff	R-34:Thick1:Side2	ENG	[50 to 300 / 154 / 1%]
2-703-135	PTR AC:R Coeff	R-35:Thick1:Side2	ENG	[50 to 300 / 157 / 1%]
2-704-001	PTR AC:R Coeff	R-1:Thick2:Side1	ENG	[50 to 300 / 70 / 1%]
2-704-002	PTR AC:R Coeff	R-2:Thick2:Side1	ENG	[50 to 300 / 73 / 1%]
2-704-003	PTR AC:R Coeff	R-3:Thick2:Side1	ENG	[50 to 300 / 76 / 1%]
2-704-	PTR AC:R Coeff	R-4:Thick2:Side1	ENG	[50 to 300 / 79 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
2-704-005	PTR AC:R Coeff	R-5:Thick2:Side1	ENG	[50 to 300 / 82 / 1%]
2-704-006	PTR AC:R Coeff	R-6:Thick2:Side1	ENG	[50 to 300 / 84 / 1%]
2-704-007	PTR AC:R Coeff	R-7:Thick2:Side1	ENG	[50 to 300 / 86 / 1%]
2-704-008	PTR AC:R Coeff	R-8:Thick2:Side1	ENG	[50 to 300 / 88 / 1%]
2-704-009	PTR AC:R Coeff	R-9:Thick2:Side1	ENG	[50 to 300 / 90 / 1%]
2-704-010	PTR AC:R Coeff	R-10:Thick2:Side1	ENG	[50 to 300 / 92 / 1%]
2-704-011	PTR AC:R Coeff	R-11:Thick2:Side1	ENG	[50 to 300 / 94 / 1%]
2-704-012	PTR AC:R Coeff	R-12:Thick2:Side1	ENG	[50 to 300 / 96 / 1%]
2-704-013	PTR AC:R Coeff	R-13:Thick2:Side1	ENG	[50 to 300 / 98 / 1%]
2-704-014	PTR AC:R Coeff	R-14:Thick2:Side1	ENG	[50 to 300 / 100 / 1%]
2-704-015	PTR AC:R Coeff	R-15:Thick2:Side1	ENG	[50 to 300 / 102 / 1%]
2-704-016	PTR AC:R Coeff	R-16:Thick2:Side1	ENG	[50 to 300 / 104 / 1%]
2-704-017	PTR AC:R Coeff	R-17:Thick2:Side1	ENG	[50 to 300 / 106 / 1%]
2-704-018	PTR AC:R Coeff	R-18:Thick2:Side1	ENG	[50 to 300 / 108 / 1%]
2-704-019	PTR AC:R Coeff	R-19:Thick2:Side1	ENG	[50 to 300 / 110 / 1%]
2-704-020	PTR AC:R Coeff	R-20:Thick2:Side1	ENG	[50 to 300 / 112 / 1%]
2-704-021	PTR AC:R Coeff	R-21:Thick2:Side1	ENG	[50 to 300 / 115 / 1%]
2-704-	PTR AC:R Coeff	R-22:Thick2:Side1	ENG	[50 to 300 / 118 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
2-704-023	PTR AC:R Coeff	R-23:Thick2:Side1	ENG	[50 to 300 / 121 / 1%]
2-704-024	PTR AC:R Coeff	R-24:Thick2:Side1	ENG	[50 to 300 / 124 / 1%]
2-704-025	PTR AC:R Coeff	R-25:Thick2:Side1	ENG	[50 to 300 / 127 / 1%]
2-704-026	PTR AC:R Coeff	R-26:Thick2:Side1	ENG	[50 to 300 / 130 / 1%]
2-704-027	PTR AC:R Coeff	R-27:Thick2:Side1	ENG	[50 to 300 / 133 / 1%]
2-704-028	PTR AC:R Coeff	R-28:Thick2:Side1	ENG	[50 to 300 / 136 / 1%]
2-704-029	PTR AC:R Coeff	R-29:Thick2:Side1	ENG	[50 to 300 / 139 / 1%]
2-704-030	PTR AC:R Coeff	R-30:Thick2:Side1	ENG	[50 to 300 / 142 / 1%]
2-704-031	PTR AC:R Coeff	R-31:Thick2:Side1	ENG	[50 to 300 / 145 / 1%]
2-704-032	PTR AC:R Coeff	R-32:Thick2:Side1	ENG	[50 to 300 / 148 / 1%]
2-704-033	PTR AC:R Coeff	R-33:Thick2:Side1	ENG	[50 to 300 / 151 / 1%]
2-704-034	PTR AC:R Coeff	R-34:Thick2:Side1	ENG	[50 to 300 / 154 / 1%]
2-704-035	PTR AC:R Coeff	R-35:Thick2:Side1	ENG	[50 to 300 / 157 / 1%]
2-704-101	PTR AC:R Coeff	R-1:Thick2:Side2	ENG	[50 to 300 / 70 / 1%]
2-704-102	PTR AC:R Coeff	R-2:Thick2:Side2	ENG	[50 to 300 / 73 / 1%]
2-704-103	PTR AC:R Coeff	R-3:Thick2:Side2	ENG	[50 to 300 / 76 / 1%]
2-704-104	PTR AC:R Coeff	R-4:Thick2:Side2	ENG	[50 to 300 / 79 / 1%]
2-704-	PTR AC:R Coeff	R-5:Thick2:Side2	ENG	[50 to 300 / 82 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105				
2-704-106	PTR AC:R Coeff	R-6:Thick2:Side2	ENG	[50 to 300 / 84 / 1%]
2-704-107	PTR AC:R Coeff	R-7:Thick2:Side2	ENG	[50 to 300 / 86 / 1%]
2-704-108	PTR AC:R Coeff	R-8:Thick2:Side2	ENG	[50 to 300 / 88 / 1%]
2-704-109	PTR AC:R Coeff	R-9:Thick2:Side2	ENG	[50 to 300 / 90 / 1%]
2-704-110	PTR AC:R Coeff	R-10:Thick2:Side2	ENG	[50 to 300 / 92 / 1%]
2-704-111	PTR AC:R Coeff	R-11:Thick2:Side2	ENG	[50 to 300 / 94 / 1%]
2-704-112	PTR AC:R Coeff	R-12:Thick2:Side2	ENG	[50 to 300 / 96 / 1%]
2-704-113	PTR AC:R Coeff	R-13:Thick2:Side2	ENG	[50 to 300 / 98 / 1%]
2-704-114	PTR AC:R Coeff	R-14:Thick2:Side2	ENG	[50 to 300 / 100 / 1%]
2-704-115	PTR AC:R Coeff	R-15:Thick2:Side2	ENG	[50 to 300 / 102 / 1%]
2-704-116	PTR AC:R Coeff	R-16:Thick2:Side2	ENG	[50 to 300 / 104 / 1%]
2-704-117	PTR AC:R Coeff	R-17:Thick2:Side2	ENG	[50 to 300 / 106 / 1%]
2-704-118	PTR AC:R Coeff	R-18:Thick2:Side2	ENG	[50 to 300 / 108 / 1%]
2-704-119	PTR AC:R Coeff	R-19:Thick2:Side2	ENG	[50 to 300 / 110 / 1%]
2-704-120	PTR AC:R Coeff	R-20:Thick2:Side2	ENG	[50 to 300 / 112 / 1%]
2-704-121	PTR AC:R Coeff	R-21:Thick2:Side2	ENG	[50 to 300 / 115 / 1%]
2-704-122	PTR AC:R Coeff	R-22:Thick2:Side2	ENG	[50 to 300 / 118 / 1%]
2-704-	PTR AC:R Coeff	R-23:Thick2:Side2	ENG	[50 to 300 / 121 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
123				
2-704-124	PTR AC:R Coeff	R-24:Thick2:Side2	ENG	[50 to 300 / 124 / 1%]
2-704-125	PTR AC:R Coeff	R-25:Thick2:Side2	ENG	[50 to 300 / 127 / 1%]
2-704-126	PTR AC:R Coeff	R-26:Thick2:Side2	ENG	[50 to 300 / 130 / 1%]
2-704-127	PTR AC:R Coeff	R-27:Thick2:Side2	ENG	[50 to 300 / 133 / 1%]
2-704-128	PTR AC:R Coeff	R-28:Thick2:Side2	ENG	[50 to 300 / 136 / 1%]
2-704-129	PTR AC:R Coeff	R-29:Thick2:Side2	ENG	[50 to 300 / 139 / 1%]
2-704-130	PTR AC:R Coeff	R-30:Thick2:Side2	ENG	[50 to 300 / 142 / 1%]
2-704-131	PTR AC:R Coeff	R-31:Thick2:Side2	ENG	[50 to 300 / 145 / 1%]
2-704-132	PTR AC:R Coeff	R-32:Thick2:Side2	ENG	[50 to 300 / 148 / 1%]
2-704-133	PTR AC:R Coeff	R-33:Thick2:Side2	ENG	[50 to 300 / 151 / 1%]
2-704-134	PTR AC:R Coeff	R-34:Thick2:Side2	ENG	[50 to 300 / 154 / 1%]
2-704-135	PTR AC:R Coeff	R-35:Thick2:Side2	ENG	[50 to 300 / 157 / 1%]
2-705-001	PTR AC:R Coeff	R-1:Thick3:Side1	ENG	[50 to 300 / 70 / 1%]
2-705-002	PTR AC:R Coeff	R-2:Thick3:Side1	ENG	[50 to 300 / 73 / 1%]
2-705-003	PTR AC:R Coeff	R-3:Thick3:Side1	ENG	[50 to 300 / 76 / 1%]
2-705-004	PTR AC:R Coeff	R-4:Thick3:Side1	ENG	[50 to 300 / 79 / 1%]
2-705-005	PTR AC:R Coeff	R-5:Thick3:Side1	ENG	[50 to 300 / 82 / 1%]
2-705-	PTR AC:R Coeff	R-6:Thick3:Side1	ENG	[50 to 300 / 84 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				
2-705-007	PTR AC:R Coeff	R-7:Thick3:Side1	ENG	[50 to 300 / 86 / 1%]
2-705-008	PTR AC:R Coeff	R-8:Thick3:Side1	ENG	[50 to 300 / 88 / 1%]
2-705-009	PTR AC:R Coeff	R-9:Thick3:Side1	ENG	[50 to 300 / 90 / 1%]
2-705-010	PTR AC:R Coeff	R-10:Thick3:Side1	ENG	[50 to 300 / 92 / 1%]
2-705-011	PTR AC:R Coeff	R-11:Thick3:Side1	ENG	[50 to 300 / 94 / 1%]
2-705-012	PTR AC:R Coeff	R-12:Thick3:Side1	ENG	[50 to 300 / 96 / 1%]
2-705-013	PTR AC:R Coeff	R-13:Thick3:Side1	ENG	[50 to 300 / 98 / 1%]
2-705-014	PTR AC:R Coeff	R-14:Thick3:Side1	ENG	[50 to 300 / 100 / 1%]
2-705-015	PTR AC:R Coeff	R-15:Thick3:Side1	ENG	[50 to 300 / 102 / 1%]
2-705-016	PTR AC:R Coeff	R-16:Thick3:Side1	ENG	[50 to 300 / 104 / 1%]
2-705-017	PTR AC:R Coeff	R-17:Thick3:Side1	ENG	[50 to 300 / 106 / 1%]
2-705-018	PTR AC:R Coeff	R-18:Thick3:Side1	ENG	[50 to 300 / 108 / 1%]
2-705-019	PTR AC:R Coeff	R-19:Thick3:Side1	ENG	[50 to 300 / 110 / 1%]
2-705-020	PTR AC:R Coeff	R-20:Thick3:Side1	ENG	[50 to 300 / 112 / 1%]
2-705-021	PTR AC:R Coeff	R-21:Thick3:Side1	ENG	[50 to 300 / 115 / 1%]
2-705-022	PTR AC:R Coeff	R-22:Thick3:Side1	ENG	[50 to 300 / 118 / 1%]
2-705-023	PTR AC:R Coeff	R-23:Thick3:Side1	ENG	[50 to 300 / 121 / 1%]
2-705-	PTR AC:R Coeff	R-24:Thick3:Side1	ENG	[50 to 300 / 124 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				
2-705-025	PTR AC:R Coeff	R-25:Thick3:Side1	ENG	[50 to 300 / 127 / 1%]
2-705-026	PTR AC:R Coeff	R-26:Thick3:Side1	ENG	[50 to 300 / 130 / 1%]
2-705-027	PTR AC:R Coeff	R-27:Thick3:Side1	ENG	[50 to 300 / 133 / 1%]
2-705-028	PTR AC:R Coeff	R-28:Thick3:Side1	ENG	[50 to 300 / 136 / 1%]
2-705-029	PTR AC:R Coeff	R-29:Thick3:Side1	ENG	[50 to 300 / 139 / 1%]
2-705-030	PTR AC:R Coeff	R-30:Thick3:Side1	ENG	[50 to 300 / 142 / 1%]
2-705-031	PTR AC:R Coeff	R-31:Thick3:Side1	ENG	[50 to 300 / 145 / 1%]
2-705-032	PTR AC:R Coeff	R-32:Thick3:Side1	ENG	[50 to 300 / 148 / 1%]
2-705-033	PTR AC:R Coeff	R-33:Thick3:Side1	ENG	[50 to 300 / 151 / 1%]
2-705-034	PTR AC:R Coeff	R-34:Thick3:Side1	ENG	[50 to 300 / 154 / 1%]
2-705-035	PTR AC:R Coeff	R-35:Thick3:Side1	ENG	[50 to 300 / 157 / 1%]
2-705-101	PTR AC:R Coeff	R-1:Thick3:Side2	ENG	[50 to 300 / 70 / 1%]
2-705-102	PTR AC:R Coeff	R-2:Thick3:Side2	ENG	[50 to 300 / 73 / 1%]
2-705-103	PTR AC:R Coeff	R-3:Thick3:Side2	ENG	[50 to 300 / 76 / 1%]
2-705-104	PTR AC:R Coeff	R-4:Thick3:Side2	ENG	[50 to 300 / 79 / 1%]
2-705-105	PTR AC:R Coeff	R-5:Thick3:Side2	ENG	[50 to 300 / 82 / 1%]
2-705-106	PTR AC:R Coeff	R-6:Thick3:Side2	ENG	[50 to 300 / 84 / 1%]
2-705-	PTR AC:R Coeff	R-7:Thick3:Side2	ENG	[50 to 300 / 86 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107				
2-705-108	PTR AC:R Coeff	R-8:Thick3:Side2	ENG	[50 to 300 / 88 / 1%]
2-705-109	PTR AC:R Coeff	R-9:Thick3:Side2	ENG	[50 to 300 / 90 / 1%]
2-705-110	PTR AC:R Coeff	R-10:Thick3:Side2	ENG	[50 to 300 / 92 / 1%]
2-705-111	PTR AC:R Coeff	R-11:Thick3:Side2	ENG	[50 to 300 / 94 / 1%]
2-705-112	PTR AC:R Coeff	R-12:Thick3:Side2	ENG	[50 to 300 / 96 / 1%]
2-705-113	PTR AC:R Coeff	R-13:Thick3:Side2	ENG	[50 to 300 / 98 / 1%]
2-705-114	PTR AC:R Coeff	R-14:Thick3:Side2	ENG	[50 to 300 / 100 / 1%]
2-705-115	PTR AC:R Coeff	R-15:Thick3:Side2	ENG	[50 to 300 / 102 / 1%]
2-705-116	PTR AC:R Coeff	R-16:Thick3:Side2	ENG	[50 to 300 / 104 / 1%]
2-705-117	PTR AC:R Coeff	R-17:Thick3:Side2	ENG	[50 to 300 / 106 / 1%]
2-705-118	PTR AC:R Coeff	R-18:Thick3:Side2	ENG	[50 to 300 / 108 / 1%]
2-705-119	PTR AC:R Coeff	R-19:Thick3:Side2	ENG	[50 to 300 / 110 / 1%]
2-705-120	PTR AC:R Coeff	R-20:Thick3:Side2	ENG	[50 to 300 / 112 / 1%]
2-705-121	PTR AC:R Coeff	R-21:Thick3:Side2	ENG	[50 to 300 / 115 / 1%]
2-705-122	PTR AC:R Coeff	R-22:Thick3:Side2	ENG	[50 to 300 / 118 / 1%]
2-705-123	PTR AC:R Coeff	R-23:Thick3:Side2	ENG	[50 to 300 / 121 / 1%]
2-705-124	PTR AC:R Coeff	R-24:Thick3:Side2	ENG	[50 to 300 / 124 / 1%]
2-705-	PTR AC:R Coeff	R-25:Thick3:Side2	ENG	[50 to 300 / 127 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
125				
2-705-126	PTR AC:R Coeff	R-26:Thick3:Side2	ENG	[50 to 300 / 130 / 1%]
2-705-127	PTR AC:R Coeff	R-27:Thick3:Side2	ENG	[50 to 300 / 133 / 1%]
2-705-128	PTR AC:R Coeff	R-28:Thick3:Side2	ENG	[50 to 300 / 136 / 1%]
2-705-129	PTR AC:R Coeff	R-29:Thick3:Side2	ENG	[50 to 300 / 139 / 1%]
2-705-130	PTR AC:R Coeff	R-30:Thick3:Side2	ENG	[50 to 300 / 142 / 1%]
2-705-131	PTR AC:R Coeff	R-31:Thick3:Side2	ENG	[50 to 300 / 145 / 1%]
2-705-132	PTR AC:R Coeff	R-32:Thick3:Side2	ENG	[50 to 300 / 148 / 1%]
2-705-133	PTR AC:R Coeff	R-33:Thick3:Side2	ENG	[50 to 300 / 151 / 1%]
2-705-134	PTR AC:R Coeff	R-34:Thick3:Side2	ENG	[50 to 300 / 154 / 1%]
2-705-135	PTR AC:R Coeff	R-35:Thick3:Side2	ENG	[50 to 300 / 157 / 1%]
2-706-001	PTR AC:R Coeff	R-1:Thick4:Side1	ENG	[50 to 300 / 70 / 1%]
2-706-002	PTR AC:R Coeff	R-2:Thick4:Side1	ENG	[50 to 300 / 73 / 1%]
2-706-003	PTR AC:R Coeff	R-3:Thick4:Side1	ENG	[50 to 300 / 76 / 1%]
2-706-004	PTR AC:R Coeff	R-4:Thick4:Side1	ENG	[50 to 300 / 79 / 1%]
2-706-005	PTR AC:R Coeff	R-5:Thick4:Side1	ENG	[50 to 300 / 82 / 1%]
2-706-006	PTR AC:R Coeff	R-6:Thick4:Side1	ENG	[50 to 300 / 84 / 1%]
2-706-007	PTR AC:R Coeff	R-7:Thick4:Side1	ENG	[50 to 300 / 86 / 1%]
2-706-	PTR AC:R Coeff	R-8:Thick4:Side1	ENG	[50 to 300 / 88 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
2-706-009	PTR AC:R Coeff	R-9:Thick4:Side1	ENG	[50 to 300 / 90 / 1%]
2-706-010	PTR AC:R Coeff	R-10:Thick4:Side1	ENG	[50 to 300 / 92 / 1%]
2-706-011	PTR AC:R Coeff	R-11:Thick4:Side1	ENG	[50 to 300 / 94 / 1%]
2-706-012	PTR AC:R Coeff	R-12:Thick4:Side1	ENG	[50 to 300 / 96 / 1%]
2-706-013	PTR AC:R Coeff	R-13:Thick4:Side1	ENG	[50 to 300 / 98 / 1%]
2-706-014	PTR AC:R Coeff	R-14:Thick4:Side1	ENG	[50 to 300 / 100 / 1%]
2-706-015	PTR AC:R Coeff	R-15:Thick4:Side1	ENG	[50 to 300 / 102 / 1%]
2-706-016	PTR AC:R Coeff	R-16:Thick4:Side1	ENG	[50 to 300 / 104 / 1%]
2-706-017	PTR AC:R Coeff	R-17:Thick4:Side1	ENG	[50 to 300 / 106 / 1%]
2-706-018	PTR AC:R Coeff	R-18:Thick4:Side1	ENG	[50 to 300 / 108 / 1%]
2-706-019	PTR AC:R Coeff	R-19:Thick4:Side1	ENG	[50 to 300 / 110 / 1%]
2-706-020	PTR AC:R Coeff	R-20:Thick4:Side1	ENG	[50 to 300 / 112 / 1%]
2-706-021	PTR AC:R Coeff	R-21:Thick4:Side1	ENG	[50 to 300 / 115 / 1%]
2-706-022	PTR AC:R Coeff	R-22:Thick4:Side1	ENG	[50 to 300 / 118 / 1%]
2-706-023	PTR AC:R Coeff	R-23:Thick4:Side1	ENG	[50 to 300 / 121 / 1%]
2-706-024	PTR AC:R Coeff	R-24:Thick4:Side1	ENG	[50 to 300 / 124 / 1%]
2-706-025	PTR AC:R Coeff	R-25:Thick4:Side1	ENG	[50 to 300 / 127 / 1%]
2-706-	PTR AC:R Coeff	R-26:Thick4:Side1	ENG	[50 to 300 / 130 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026				
2-706-027	PTR AC:R Coeff	R-27:Thick4:Side1	ENG	[50 to 300 / 133 / 1%]
2-706-028	PTR AC:R Coeff	R-28:Thick4:Side1	ENG	[50 to 300 / 136 / 1%]
2-706-029	PTR AC:R Coeff	R-29:Thick4:Side1	ENG	[50 to 300 / 139 / 1%]
2-706-030	PTR AC:R Coeff	R-30:Thick4:Side1	ENG	[50 to 300 / 142 / 1%]
2-706-031	PTR AC:R Coeff	R-31:Thick4:Side1	ENG	[50 to 300 / 145 / 1%]
2-706-032	PTR AC:R Coeff	R-32:Thick4:Side1	ENG	[50 to 300 / 148 / 1%]
2-706-033	PTR AC:R Coeff	R-33:Thick4:Side1	ENG	[50 to 300 / 151 / 1%]
2-706-034	PTR AC:R Coeff	R-34:Thick4:Side1	ENG	[50 to 300 / 154 / 1%]
2-706-035	PTR AC:R Coeff	R-35:Thick4:Side1	ENG	[50 to 300 / 157 / 1%]
2-706-101	PTR AC:R Coeff	R-1:Thick4:Side2	ENG	[50 to 300 / 70 / 1%]
2-706-102	PTR AC:R Coeff	R-2:Thick4:Side2	ENG	[50 to 300 / 73 / 1%]
2-706-103	PTR AC:R Coeff	R-3:Thick4:Side2	ENG	[50 to 300 / 76 / 1%]
2-706-104	PTR AC:R Coeff	R-4:Thick4:Side2	ENG	[50 to 300 / 79 / 1%]
2-706-105	PTR AC:R Coeff	R-5:Thick4:Side2	ENG	[50 to 300 / 82 / 1%]
2-706-106	PTR AC:R Coeff	R-6:Thick4:Side2	ENG	[50 to 300 / 84 / 1%]
2-706-107	PTR AC:R Coeff	R-7:Thick4:Side2	ENG	[50 to 300 / 86 / 1%]
2-706-108	PTR AC:R Coeff	R-8:Thick4:Side2	ENG	[50 to 300 / 88 / 1%]
2-706-	PTR AC:R Coeff	R-9:Thick4:Side2	ENG	[50 to 300 / 90 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
109				
2-706-110	PTR AC:R Coeff	R-10:Thick4:Side2	ENG	[50 to 300 / 92 / 1%]
2-706-111	PTR AC:R Coeff	R-11:Thick4:Side2	ENG	[50 to 300 / 94 / 1%]
2-706-112	PTR AC:R Coeff	R-12:Thick4:Side2	ENG	[50 to 300 / 96 / 1%]
2-706-113	PTR AC:R Coeff	R-13:Thick4:Side2	ENG	[50 to 300 / 98 / 1%]
2-706-114	PTR AC:R Coeff	R-14:Thick4:Side2	ENG	[50 to 300 / 100 / 1%]
2-706-115	PTR AC:R Coeff	R-15:Thick4:Side2	ENG	[50 to 300 / 102 / 1%]
2-706-116	PTR AC:R Coeff	R-16:Thick4:Side2	ENG	[50 to 300 / 104 / 1%]
2-706-117	PTR AC:R Coeff	R-17:Thick4:Side2	ENG	[50 to 300 / 106 / 1%]
2-706-118	PTR AC:R Coeff	R-18:Thick4:Side2	ENG	[50 to 300 / 108 / 1%]
2-706-119	PTR AC:R Coeff	R-19:Thick4:Side2	ENG	[50 to 300 / 110 / 1%]
2-706-120	PTR AC:R Coeff	R-20:Thick4:Side2	ENG	[50 to 300 / 112 / 1%]
2-706-121	PTR AC:R Coeff	R-21:Thick4:Side2	ENG	[50 to 300 / 115 / 1%]
2-706-122	PTR AC:R Coeff	R-22:Thick4:Side2	ENG	[50 to 300 / 118 / 1%]
2-706-123	PTR AC:R Coeff	R-23:Thick4:Side2	ENG	[50 to 300 / 121 / 1%]
2-706-124	PTR AC:R Coeff	R-24:Thick4:Side2	ENG	[50 to 300 / 124 / 1%]
2-706-125	PTR AC:R Coeff	R-25:Thick4:Side2	ENG	[50 to 300 / 127 / 1%]
2-706-126	PTR AC:R Coeff	R-26:Thick4:Side2	ENG	[50 to 300 / 130 / 1%]
2-706-	PTR AC:R Coeff	R-27:Thick4:Side2	ENG	[50 to 300 / 133 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127				
2-706-128	PTR AC:R Coeff	R-28:Thick4:Side2	ENG	[50 to 300 / 136 / 1%]
2-706-129	PTR AC:R Coeff	R-29:Thick4:Side2	ENG	[50 to 300 / 139 / 1%]
2-706-130	PTR AC:R Coeff	R-30:Thick4:Side2	ENG	[50 to 300 / 142 / 1%]
2-706-131	PTR AC:R Coeff	R-31:Thick4:Side2	ENG	[50 to 300 / 145 / 1%]
2-706-132	PTR AC:R Coeff	R-32:Thick4:Side2	ENG	[50 to 300 / 148 / 1%]
2-706-133	PTR AC:R Coeff	R-33:Thick4:Side2	ENG	[50 to 300 / 151 / 1%]
2-706-134	PTR AC:R Coeff	R-34:Thick4:Side2	ENG	[50 to 300 / 154 / 1%]
2-706-135	PTR AC:R Coeff	R-35:Thick4:Side2	ENG	[50 to 300 / 157 / 1%]
2-707-001	PTR AC:R Coeff	R-1:Thick5:Side1	ENG	[50 to 300 / 70 / 1%]
2-707-002	PTR AC:R Coeff	R-2:Thick5:Side1	ENG	[50 to 300 / 73 / 1%]
2-707-003	PTR AC:R Coeff	R-3:Thick5:Side1	ENG	[50 to 300 / 76 / 1%]
2-707-004	PTR AC:R Coeff	R-4:Thick5:Side1	ENG	[50 to 300 / 79 / 1%]
2-707-005	PTR AC:R Coeff	R-5:Thick5:Side1	ENG	[50 to 300 / 82 / 1%]
2-707-006	PTR AC:R Coeff	R-6:Thick5:Side1	ENG	[50 to 300 / 84 / 1%]
2-707-007	PTR AC:R Coeff	R-7:Thick5:Side1	ENG	[50 to 300 / 86 / 1%]
2-707-008	PTR AC:R Coeff	R-8:Thick5:Side1	ENG	[50 to 300 / 88 / 1%]
2-707-009	PTR AC:R Coeff	R-9:Thick5:Side1	ENG	[50 to 300 / 90 / 1%]
2-707-	PTR AC:R Coeff	R-10:Thick5:Side1	ENG	[50 to 300 / 92 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
2-707-011	PTR AC:R Coeff	R-11:Thick5:Side1	ENG	[50 to 300 / 94 / 1%]
2-707-012	PTR AC:R Coeff	R-12:Thick5:Side1	ENG	[50 to 300 / 96 / 1%]
2-707-013	PTR AC:R Coeff	R-13:Thick5:Side1	ENG	[50 to 300 / 98 / 1%]
2-707-014	PTR AC:R Coeff	R-14:Thick5:Side1	ENG	[50 to 300 / 100 / 1%]
2-707-015	PTR AC:R Coeff	R-15:Thick5:Side1	ENG	[50 to 300 / 102 / 1%]
2-707-016	PTR AC:R Coeff	R-16:Thick5:Side1	ENG	[50 to 300 / 104 / 1%]
2-707-017	PTR AC:R Coeff	R-17:Thick5:Side1	ENG	[50 to 300 / 106 / 1%]
2-707-018	PTR AC:R Coeff	R-18:Thick5:Side1	ENG	[50 to 300 / 108 / 1%]
2-707-019	PTR AC:R Coeff	R-19:Thick5:Side1	ENG	[50 to 300 / 110 / 1%]
2-707-020	PTR AC:R Coeff	R-20:Thick5:Side1	ENG	[50 to 300 / 112 / 1%]
2-707-021	PTR AC:R Coeff	R-21:Thick5:Side1	ENG	[50 to 300 / 115 / 1%]
2-707-022	PTR AC:R Coeff	R-22:Thick5:Side1	ENG	[50 to 300 / 118 / 1%]
2-707-023	PTR AC:R Coeff	R-23:Thick5:Side1	ENG	[50 to 300 / 121 / 1%]
2-707-024	PTR AC:R Coeff	R-24:Thick5:Side1	ENG	[50 to 300 / 124 / 1%]
2-707-025	PTR AC:R Coeff	R-25:Thick5:Side1	ENG	[50 to 300 / 127 / 1%]
2-707-026	PTR AC:R Coeff	R-26:Thick5:Side1	ENG	[50 to 300 / 130 / 1%]
2-707-027	PTR AC:R Coeff	R-27:Thick5:Side1	ENG	[50 to 300 / 133 / 1%]
2-707-	PTR AC:R Coeff	R-28:Thick5:Side1	ENG	[50 to 300 / 136 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
028				
2-707-029	PTR AC:R Coeff	R-29:Thick5:Side1	ENG	[50 to 300 / 139 / 1%]
2-707-030	PTR AC:R Coeff	R-30:Thick5:Side1	ENG	[50 to 300 / 142 / 1%]
2-707-031	PTR AC:R Coeff	R-31:Thick5:Side1	ENG	[50 to 300 / 145 / 1%]
2-707-032	PTR AC:R Coeff	R-32:Thick5:Side1	ENG	[50 to 300 / 148 / 1%]
2-707-033	PTR AC:R Coeff	R-33:Thick5:Side1	ENG	[50 to 300 / 151 / 1%]
2-707-034	PTR AC:R Coeff	R-34:Thick5:Side1	ENG	[50 to 300 / 154 / 1%]
2-707-035	PTR AC:R Coeff	R-35:Thick5:Side1	ENG	[50 to 300 / 157 / 1%]
2-707-101	PTR AC:R Coeff	R-1:Thick5:Side2	ENG	[50 to 300 / 70 / 1%]
2-707-102	PTR AC:R Coeff	R-2:Thick5:Side2	ENG	[50 to 300 / 73 / 1%]
2-707-103	PTR AC:R Coeff	R-3:Thick5:Side2	ENG	[50 to 300 / 76 / 1%]
2-707-104	PTR AC:R Coeff	R-4:Thick5:Side2	ENG	[50 to 300 / 79 / 1%]
2-707-105	PTR AC:R Coeff	R-5:Thick5:Side2	ENG	[50 to 300 / 82 / 1%]
2-707-106	PTR AC:R Coeff	R-6:Thick5:Side2	ENG	[50 to 300 / 84 / 1%]
2-707-107	PTR AC:R Coeff	R-7:Thick5:Side2	ENG	[50 to 300 / 86 / 1%]
2-707-108	PTR AC:R Coeff	R-8:Thick5:Side2	ENG	[50 to 300 / 88 / 1%]
2-707-109	PTR AC:R Coeff	R-9:Thick5:Side2	ENG	[50 to 300 / 90 / 1%]
2-707-110	PTR AC:R Coeff	R-10:Thick5:Side2	ENG	[50 to 300 / 92 / 1%]
2-707-	PTR AC:R Coeff	R-11:Thick5:Side2	ENG	[50 to 300 / 94 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
111				
2-707-112	PTR AC:R Coeff	R-12:Thick5:Side2	ENG	[50 to 300 / 96 / 1%]
2-707-113	PTR AC:R Coeff	R-13:Thick5:Side2	ENG	[50 to 300 / 98 / 1%]
2-707-114	PTR AC:R Coeff	R-14:Thick5:Side2	ENG	[50 to 300 / 100 / 1%]
2-707-115	PTR AC:R Coeff	R-15:Thick5:Side2	ENG	[50 to 300 / 102 / 1%]
2-707-116	PTR AC:R Coeff	R-16:Thick5:Side2	ENG	[50 to 300 / 104 / 1%]
2-707-117	PTR AC:R Coeff	R-17:Thick5:Side2	ENG	[50 to 300 / 106 / 1%]
2-707-118	PTR AC:R Coeff	R-18:Thick5:Side2	ENG	[50 to 300 / 108 / 1%]
2-707-119	PTR AC:R Coeff	R-19:Thick5:Side2	ENG	[50 to 300 / 110 / 1%]
2-707-120	PTR AC:R Coeff	R-20:Thick5:Side2	ENG	[50 to 300 / 112 / 1%]
2-707-121	PTR AC:R Coeff	R-21:Thick5:Side2	ENG	[50 to 300 / 115 / 1%]
2-707-122	PTR AC:R Coeff	R-22:Thick5:Side2	ENG	[50 to 300 / 118 / 1%]
2-707-123	PTR AC:R Coeff	R-23:Thick5:Side2	ENG	[50 to 300 / 121 / 1%]
2-707-124	PTR AC:R Coeff	R-24:Thick5:Side2	ENG	[50 to 300 / 124 / 1%]
2-707-125	PTR AC:R Coeff	R-25:Thick5:Side2	ENG	[50 to 300 / 127 / 1%]
2-707-126	PTR AC:R Coeff	R-26:Thick5:Side2	ENG	[50 to 300 / 130 / 1%]
2-707-127	PTR AC:R Coeff	R-27:Thick5:Side2	ENG	[50 to 300 / 133 / 1%]
2-707-128	PTR AC:R Coeff	R-28:Thick5:Side2	ENG	[50 to 300 / 136 / 1%]
2-707-	PTR AC:R Coeff	R-29:Thick5:Side2	ENG	[50 to 300 / 139 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
129				
2-707-130	PTR AC:R Coeff	R-30:Thick5:Side2	ENG	[50 to 300 / 142 / 1%]
2-707-131	PTR AC:R Coeff	R-31:Thick5:Side2	ENG	[50 to 300 / 145 / 1%]
2-707-132	PTR AC:R Coeff	R-32:Thick5:Side2	ENG	[50 to 300 / 148 / 1%]
2-707-133	PTR AC:R Coeff	R-33:Thick5:Side2	ENG	[50 to 300 / 151 / 1%]
2-707-134	PTR AC:R Coeff	R-34:Thick5:Side2	ENG	[50 to 300 / 154 / 1%]
2-707-135	PTR AC:R Coeff	R-35:Thick5:Side2	ENG	[50 to 300 / 157 / 1%]
2-708-001	PTR AC:R Coeff	R-1:Thick6:Side1	ENG	[50 to 300 / 70 / 1%]
2-708-002	PTR AC:R Coeff	R-2:Thick6:Side1	ENG	[50 to 300 / 73 / 1%]
2-708-003	PTR AC:R Coeff	R-3:Thick6:Side1	ENG	[50 to 300 / 76 / 1%]
2-708-004	PTR AC:R Coeff	R-4:Thick6:Side1	ENG	[50 to 300 / 79 / 1%]
2-708-005	PTR AC:R Coeff	R-5:Thick6:Side1	ENG	[50 to 300 / 82 / 1%]
2-708-006	PTR AC:R Coeff	R-6:Thick6:Side1	ENG	[50 to 300 / 84 / 1%]
2-708-007	PTR AC:R Coeff	R-7:Thick6:Side1	ENG	[50 to 300 / 86 / 1%]
2-708-008	PTR AC:R Coeff	R-8:Thick6:Side1	ENG	[50 to 300 / 88 / 1%]
2-708-009	PTR AC:R Coeff	R-9:Thick6:Side1	ENG	[50 to 300 / 90 / 1%]
2-708-010	PTR AC:R Coeff	R-10:Thick6:Side1	ENG	[50 to 300 / 92 / 1%]
2-708-011	PTR AC:R Coeff	R-11:Thick6:Side1	ENG	[50 to 300 / 94 / 1%]
2-708-	PTR AC:R Coeff	R-12:Thick6:Side1	ENG	[50 to 300 / 96 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
2-708-013	PTR AC:R Coeff	R-13:Thick6:Side1	ENG	[50 to 300 / 98 / 1%]
2-708-014	PTR AC:R Coeff	R-14:Thick6:Side1	ENG	[50 to 300 / 100 / 1%]
2-708-015	PTR AC:R Coeff	R-15:Thick6:Side1	ENG	[50 to 300 / 102 / 1%]
2-708-016	PTR AC:R Coeff	R-16:Thick6:Side1	ENG	[50 to 300 / 104 / 1%]
2-708-017	PTR AC:R Coeff	R-17:Thick6:Side1	ENG	[50 to 300 / 106 / 1%]
2-708-018	PTR AC:R Coeff	R-18:Thick6:Side1	ENG	[50 to 300 / 108 / 1%]
2-708-019	PTR AC:R Coeff	R-19:Thick6:Side1	ENG	[50 to 300 / 110 / 1%]
2-708-020	PTR AC:R Coeff	R-20:Thick6:Side1	ENG	[50 to 300 / 112 / 1%]
2-708-021	PTR AC:R Coeff	R-21:Thick6:Side1	ENG	[50 to 300 / 115 / 1%]
2-708-022	PTR AC:R Coeff	R-22:Thick6:Side1	ENG	[50 to 300 / 118 / 1%]
2-708-023	PTR AC:R Coeff	R-23:Thick6:Side1	ENG	[50 to 300 / 121 / 1%]
2-708-024	PTR AC:R Coeff	R-24:Thick6:Side1	ENG	[50 to 300 / 124 / 1%]
2-708-025	PTR AC:R Coeff	R-25:Thick6:Side1	ENG	[50 to 300 / 127 / 1%]
2-708-026	PTR AC:R Coeff	R-26:Thick6:Side1	ENG	[50 to 300 / 130 / 1%]
2-708-027	PTR AC:R Coeff	R-27:Thick6:Side1	ENG	[50 to 300 / 133 / 1%]
2-708-028	PTR AC:R Coeff	R-28:Thick6:Side1	ENG	[50 to 300 / 136 / 1%]
2-708-029	PTR AC:R Coeff	R-29:Thick6:Side1	ENG	[50 to 300 / 139 / 1%]
2-708-	PTR AC:R Coeff	R-30:Thick6:Side1	ENG	[50 to 300 / 142 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030				
2-708-031	PTR AC:R Coeff	R-31:Thick6:Side1	ENG	[50 to 300 / 145 / 1%]
2-708-032	PTR AC:R Coeff	R-32:Thick6:Side1	ENG	[50 to 300 / 148 / 1%]
2-708-033	PTR AC:R Coeff	R-33:Thick6:Side1	ENG	[50 to 300 / 151 / 1%]
2-708-034	PTR AC:R Coeff	R-34:Thick6:Side1	ENG	[50 to 300 / 154 / 1%]
2-708-035	PTR AC:R Coeff	R-35:Thick6:Side1	ENG	[50 to 300 / 157 / 1%]
2-708-101	PTR AC:R Coeff	R-1:Thick6:Side2	ENG	[50 to 300 / 70 / 1%]
2-708-102	PTR AC:R Coeff	R-2:Thick6:Side2	ENG	[50 to 300 / 73 / 1%]
2-708-103	PTR AC:R Coeff	R-3:Thick6:Side2	ENG	[50 to 300 / 76 / 1%]
2-708-104	PTR AC:R Coeff	R-4:Thick6:Side2	ENG	[50 to 300 / 79 / 1%]
2-708-105	PTR AC:R Coeff	R-5:Thick6:Side2	ENG	[50 to 300 / 82 / 1%]
2-708-106	PTR AC:R Coeff	R-6:Thick6:Side2	ENG	[50 to 300 / 84 / 1%]
2-708-107	PTR AC:R Coeff	R-7:Thick6:Side2	ENG	[50 to 300 / 86 / 1%]
2-708-108	PTR AC:R Coeff	R-8:Thick6:Side2	ENG	[50 to 300 / 88 / 1%]
2-708-109	PTR AC:R Coeff	R-9:Thick6:Side2	ENG	[50 to 300 / 90 / 1%]
2-708-110	PTR AC:R Coeff	R-10:Thick6:Side2	ENG	[50 to 300 / 92 / 1%]
2-708-111	PTR AC:R Coeff	R-11:Thick6:Side2	ENG	[50 to 300 / 94 / 1%]
2-708-112	PTR AC:R Coeff	R-12:Thick6:Side2	ENG	[50 to 300 / 96 / 1%]
2-708-	PTR AC:R Coeff	R-13:Thick6:Side2	ENG	[50 to 300 / 98 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
113				
2-708-114	PTR AC:R Coeff	R-14:Thick6:Side2	ENG	[50 to 300 / 100 / 1%]
2-708-115	PTR AC:R Coeff	R-15:Thick6:Side2	ENG	[50 to 300 / 102 / 1%]
2-708-116	PTR AC:R Coeff	R-16:Thick6:Side2	ENG	[50 to 300 / 104 / 1%]
2-708-117	PTR AC:R Coeff	R-17:Thick6:Side2	ENG	[50 to 300 / 106 / 1%]
2-708-118	PTR AC:R Coeff	R-18:Thick6:Side2	ENG	[50 to 300 / 108 / 1%]
2-708-119	PTR AC:R Coeff	R-19:Thick6:Side2	ENG	[50 to 300 / 110 / 1%]
2-708-120	PTR AC:R Coeff	R-20:Thick6:Side2	ENG	[50 to 300 / 112 / 1%]
2-708-121	PTR AC:R Coeff	R-21:Thick6:Side2	ENG	[50 to 300 / 115 / 1%]
2-708-122	PTR AC:R Coeff	R-22:Thick6:Side2	ENG	[50 to 300 / 118 / 1%]
2-708-123	PTR AC:R Coeff	R-23:Thick6:Side2	ENG	[50 to 300 / 121 / 1%]
2-708-124	PTR AC:R Coeff	R-24:Thick6:Side2	ENG	[50 to 300 / 124 / 1%]
2-708-125	PTR AC:R Coeff	R-25:Thick6:Side2	ENG	[50 to 300 / 127 / 1%]
2-708-126	PTR AC:R Coeff	R-26:Thick6:Side2	ENG	[50 to 300 / 130 / 1%]
2-708-127	PTR AC:R Coeff	R-27:Thick6:Side2	ENG	[50 to 300 / 133 / 1%]
2-708-128	PTR AC:R Coeff	R-28:Thick6:Side2	ENG	[50 to 300 / 136 / 1%]
2-708-129	PTR AC:R Coeff	R-29:Thick6:Side2	ENG	[50 to 300 / 139 / 1%]
2-708-130	PTR AC:R Coeff	R-30:Thick6:Side2	ENG	[50 to 300 / 142 / 1%]
2-708-	PTR AC:R Coeff	R-31:Thick6:Side2	ENG	[50 to 300 / 145 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
131				
2-708-132	PTR AC:R Coeff	R-32:Thick6:Side2	ENG	[50 to 300 / 148 / 1%]
2-708-133	PTR AC:R Coeff	R-33:Thick6:Side2	ENG	[50 to 300 / 151 / 1%]
2-708-134	PTR AC:R Coeff	R-34:Thick6:Side2	ENG	[50 to 300 / 154 / 1%]
2-708-135	PTR AC:R Coeff	R-35:Thick6:Side2	ENG	[50 to 300 / 157 / 1%]
2-709-001	PTR AC:R Coeff	R-1:Thick7:Side1	ENG	[50 to 300 / 70 / 1%]
2-709-002	PTR AC:R Coeff	R-2:Thick7:Side1	ENG	[50 to 300 / 73 / 1%]
2-709-003	PTR AC:R Coeff	R-3:Thick7:Side1	ENG	[50 to 300 / 76 / 1%]
2-709-004	PTR AC:R Coeff	R-4:Thick7:Side1	ENG	[50 to 300 / 79 / 1%]
2-709-005	PTR AC:R Coeff	R-5:Thick7:Side1	ENG	[50 to 300 / 82 / 1%]
2-709-006	PTR AC:R Coeff	R-6:Thick7:Side1	ENG	[50 to 300 / 84 / 1%]
2-709-007	PTR AC:R Coeff	R-7:Thick7:Side1	ENG	[50 to 300 / 86 / 1%]
2-709-008	PTR AC:R Coeff	R-8:Thick7:Side1	ENG	[50 to 300 / 88 / 1%]
2-709-009	PTR AC:R Coeff	R-9:Thick7:Side1	ENG	[50 to 300 / 90 / 1%]
2-709-010	PTR AC:R Coeff	R-10:Thick7:Side1	ENG	[50 to 300 / 92 / 1%]
2-709-011	PTR AC:R Coeff	R-11:Thick7:Side1	ENG	[50 to 300 / 94 / 1%]
2-709-012	PTR AC:R Coeff	R-12:Thick7:Side1	ENG	[50 to 300 / 96 / 1%]
2-709-013	PTR AC:R Coeff	R-13:Thick7:Side1	ENG	[50 to 300 / 98 / 1%]
2-709-	PTR AC:R Coeff	R-14:Thick7:Side1	ENG	[50 to 300 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
2-709-015	PTR AC:R Coeff	R-15:Thick7:Side1	ENG	[50 to 300 / 102 / 1%]
2-709-016	PTR AC:R Coeff	R-16:Thick7:Side1	ENG	[50 to 300 / 104 / 1%]
2-709-017	PTR AC:R Coeff	R-17:Thick7:Side1	ENG	[50 to 300 / 106 / 1%]
2-709-018	PTR AC:R Coeff	R-18:Thick7:Side1	ENG	[50 to 300 / 108 / 1%]
2-709-019	PTR AC:R Coeff	R-19:Thick7:Side1	ENG	[50 to 300 / 110 / 1%]
2-709-020	PTR AC:R Coeff	R-20:Thick7:Side1	ENG	[50 to 300 / 112 / 1%]
2-709-021	PTR AC:R Coeff	R-21:Thick7:Side1	ENG	[50 to 300 / 115 / 1%]
2-709-022	PTR AC:R Coeff	R-22:Thick7:Side1	ENG	[50 to 300 / 118 / 1%]
2-709-023	PTR AC:R Coeff	R-23:Thick7:Side1	ENG	[50 to 300 / 121 / 1%]
2-709-024	PTR AC:R Coeff	R-24:Thick7:Side1	ENG	[50 to 300 / 124 / 1%]
2-709-025	PTR AC:R Coeff	R-25:Thick7:Side1	ENG	[50 to 300 / 127 / 1%]
2-709-026	PTR AC:R Coeff	R-26:Thick7:Side1	ENG	[50 to 300 / 130 / 1%]
2-709-027	PTR AC:R Coeff	R-27:Thick7:Side1	ENG	[50 to 300 / 133 / 1%]
2-709-028	PTR AC:R Coeff	R-28:Thick7:Side1	ENG	[50 to 300 / 136 / 1%]
2-709-029	PTR AC:R Coeff	R-29:Thick7:Side1	ENG	[50 to 300 / 139 / 1%]
2-709-030	PTR AC:R Coeff	R-30:Thick7:Side1	ENG	[50 to 300 / 142 / 1%]
2-709-031	PTR AC:R Coeff	R-31:Thick7:Side1	ENG	[50 to 300 / 145 / 1%]
2-709-	PTR AC:R Coeff	R-32:Thick7:Side1	ENG	[50 to 300 / 148 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
2-709-033	PTR AC:R Coeff	R-33:Thick7:Side1	ENG	[50 to 300 / 151 / 1%]
2-709-034	PTR AC:R Coeff	R-34:Thick7:Side1	ENG	[50 to 300 / 154 / 1%]
2-709-035	PTR AC:R Coeff	R-35:Thick7:Side1	ENG	[50 to 300 / 157 / 1%]
2-709-101	PTR AC:R Coeff	R-1:Thick7:Side2	ENG	[50 to 300 / 70 / 1%]
2-709-102	PTR AC:R Coeff	R-2:Thick7:Side2	ENG	[50 to 300 / 73 / 1%]
2-709-103	PTR AC:R Coeff	R-3:Thick7:Side2	ENG	[50 to 300 / 76 / 1%]
2-709-104	PTR AC:R Coeff	R-4:Thick7:Side2	ENG	[50 to 300 / 79 / 1%]
2-709-105	PTR AC:R Coeff	R-5:Thick7:Side2	ENG	[50 to 300 / 82 / 1%]
2-709-106	PTR AC:R Coeff	R-6:Thick7:Side2	ENG	[50 to 300 / 84 / 1%]
2-709-107	PTR AC:R Coeff	R-7:Thick7:Side2	ENG	[50 to 300 / 86 / 1%]
2-709-108	PTR AC:R Coeff	R-8:Thick7:Side2	ENG	[50 to 300 / 88 / 1%]
2-709-109	PTR AC:R Coeff	R-9:Thick7:Side2	ENG	[50 to 300 / 90 / 1%]
2-709-110	PTR AC:R Coeff	R-10:Thick7:Side2	ENG	[50 to 300 / 92 / 1%]
2-709-111	PTR AC:R Coeff	R-11:Thick7:Side2	ENG	[50 to 300 / 94 / 1%]
2-709-112	PTR AC:R Coeff	R-12:Thick7:Side2	ENG	[50 to 300 / 96 / 1%]
2-709-113	PTR AC:R Coeff	R-13:Thick7:Side2	ENG	[50 to 300 / 98 / 1%]
2-709-114	PTR AC:R Coeff	R-14:Thick7:Side2	ENG	[50 to 300 / 100 / 1%]
2-709-	PTR AC:R Coeff	R-15:Thick7:Side2	ENG	[50 to 300 / 102 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
115				
2-709-116	PTR AC:R Coeff	R-16:Thick7:Side2	ENG	[50 to 300 / 104 / 1%]
2-709-117	PTR AC:R Coeff	R-17:Thick7:Side2	ENG	[50 to 300 / 106 / 1%]
2-709-118	PTR AC:R Coeff	R-18:Thick7:Side2	ENG	[50 to 300 / 108 / 1%]
2-709-119	PTR AC:R Coeff	R-19:Thick7:Side2	ENG	[50 to 300 / 110 / 1%]
2-709-120	PTR AC:R Coeff	R-20:Thick7:Side2	ENG	[50 to 300 / 112 / 1%]
2-709-121	PTR AC:R Coeff	R-21:Thick7:Side2	ENG	[50 to 300 / 115 / 1%]
2-709-122	PTR AC:R Coeff	R-22:Thick7:Side2	ENG	[50 to 300 / 118 / 1%]
2-709-123	PTR AC:R Coeff	R-23:Thick7:Side2	ENG	[50 to 300 / 121 / 1%]
2-709-124	PTR AC:R Coeff	R-24:Thick7:Side2	ENG	[50 to 300 / 124 / 1%]
2-709-125	PTR AC:R Coeff	R-25:Thick7:Side2	ENG	[50 to 300 / 127 / 1%]
2-709-126	PTR AC:R Coeff	R-26:Thick7:Side2	ENG	[50 to 300 / 130 / 1%]
2-709-127	PTR AC:R Coeff	R-27:Thick7:Side2	ENG	[50 to 300 / 133 / 1%]
2-709-128	PTR AC:R Coeff	R-28:Thick7:Side2	ENG	[50 to 300 / 136 / 1%]
2-709-129	PTR AC:R Coeff	R-29:Thick7:Side2	ENG	[50 to 300 / 139 / 1%]
2-709-130	PTR AC:R Coeff	R-30:Thick7:Side2	ENG	[50 to 300 / 142 / 1%]
2-709-131	PTR AC:R Coeff	R-31:Thick7:Side2	ENG	[50 to 300 / 145 / 1%]
2-709-132	PTR AC:R Coeff	R-32:Thick7:Side2	ENG	[50 to 300 / 148 / 1%]
2-709-	PTR AC:R Coeff	R-33:Thick7:Side2	ENG	[50 to 300 / 151 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
133				
2-709-134	PTR AC:R Coeff	R-34:Thick7:Side2	ENG	[50 to 300 / 154 / 1%]
2-709-135	PTR AC:R Coeff	R-35:Thick7:Side2	ENG	[50 to 300 / 157 / 1%]
2-710-001	PTR AC:R Coeff	R-1:Thick8:Side1	ENG	[50 to 300 / 70 / 1%]
2-710-002	PTR AC:R Coeff	R-2:Thick8:Side1	ENG	[50 to 300 / 73 / 1%]
2-710-003	PTR AC:R Coeff	R-3:Thick8:Side1	ENG	[50 to 300 / 76 / 1%]
2-710-004	PTR AC:R Coeff	R-4:Thick8:Side1	ENG	[50 to 300 / 79 / 1%]
2-710-005	PTR AC:R Coeff	R-5:Thick8:Side1	ENG	[50 to 300 / 82 / 1%]
2-710-006	PTR AC:R Coeff	R-6:Thick8:Side1	ENG	[50 to 300 / 84 / 1%]
2-710-007	PTR AC:R Coeff	R-7:Thick8:Side1	ENG	[50 to 300 / 86 / 1%]
2-710-008	PTR AC:R Coeff	R-8:Thick8:Side1	ENG	[50 to 300 / 88 / 1%]
2-710-009	PTR AC:R Coeff	R-9:Thick8:Side1	ENG	[50 to 300 / 90 / 1%]
2-710-010	PTR AC:R Coeff	R-10:Thick8:Side1	ENG	[50 to 300 / 92 / 1%]
2-710-011	PTR AC:R Coeff	R-11:Thick8:Side1	ENG	[50 to 300 / 94 / 1%]
2-710-012	PTR AC:R Coeff	R-12:Thick8:Side1	ENG	[50 to 300 / 96 / 1%]
2-710-013	PTR AC:R Coeff	R-13:Thick8:Side1	ENG	[50 to 300 / 98 / 1%]
2-710-014	PTR AC:R Coeff	R-14:Thick8:Side1	ENG	[50 to 300 / 100 / 1%]
2-710-015	PTR AC:R Coeff	R-15:Thick8:Side1	ENG	[50 to 300 / 102 / 1%]
2-710-	PTR AC:R Coeff	R-16:Thick8:Side1	ENG	[50 to 300 / 104 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
2-710-017	PTR AC:R Coeff	R-17:Thick8:Side1	ENG	[50 to 300 / 106 / 1%]
2-710-018	PTR AC:R Coeff	R-18:Thick8:Side1	ENG	[50 to 300 / 108 / 1%]
2-710-019	PTR AC:R Coeff	R-19:Thick8:Side1	ENG	[50 to 300 / 110 / 1%]
2-710-020	PTR AC:R Coeff	R-20:Thick8:Side1	ENG	[50 to 300 / 112 / 1%]
2-710-021	PTR AC:R Coeff	R-21:Thick8:Side1	ENG	[50 to 300 / 115 / 1%]
2-710-022	PTR AC:R Coeff	R-22:Thick8:Side1	ENG	[50 to 300 / 118 / 1%]
2-710-023	PTR AC:R Coeff	R-23:Thick8:Side1	ENG	[50 to 300 / 121 / 1%]
2-710-024	PTR AC:R Coeff	R-24:Thick8:Side1	ENG	[50 to 300 / 124 / 1%]
2-710-025	PTR AC:R Coeff	R-25:Thick8:Side1	ENG	[50 to 300 / 127 / 1%]
2-710-026	PTR AC:R Coeff	R-26:Thick8:Side1	ENG	[50 to 300 / 130 / 1%]
2-710-027	PTR AC:R Coeff	R-27:Thick8:Side1	ENG	[50 to 300 / 133 / 1%]
2-710-028	PTR AC:R Coeff	R-28:Thick8:Side1	ENG	[50 to 300 / 136 / 1%]
2-710-029	PTR AC:R Coeff	R-29:Thick8:Side1	ENG	[50 to 300 / 139 / 1%]
2-710-030	PTR AC:R Coeff	R-30:Thick8:Side1	ENG	[50 to 300 / 142 / 1%]
2-710-031	PTR AC:R Coeff	R-31:Thick8:Side1	ENG	[50 to 300 / 145 / 1%]
2-710-032	PTR AC:R Coeff	R-32:Thick8:Side1	ENG	[50 to 300 / 148 / 1%]
2-710-033	PTR AC:R Coeff	R-33:Thick8:Side1	ENG	[50 to 300 / 151 / 1%]
2-710-	PTR AC:R Coeff	R-34:Thick8:Side1	ENG	[50 to 300 / 154 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
2-710-035	PTR AC:R Coeff	R-35:Thick8:Side1	ENG	[50 to 300 / 157 / 1%]
2-710-101	PTR AC:R Coeff	R-1:Thick8:Side2	ENG	[50 to 300 / 70 / 1%]
2-710-102	PTR AC:R Coeff	R-2:Thick8:Side2	ENG	[50 to 300 / 73 / 1%]
2-710-103	PTR AC:R Coeff	R-3:Thick8:Side2	ENG	[50 to 300 / 76 / 1%]
2-710-104	PTR AC:R Coeff	R-4:Thick8:Side2	ENG	[50 to 300 / 79 / 1%]
2-710-105	PTR AC:R Coeff	R-5:Thick8:Side2	ENG	[50 to 300 / 82 / 1%]
2-710-106	PTR AC:R Coeff	R-6:Thick8:Side2	ENG	[50 to 300 / 84 / 1%]
2-710-107	PTR AC:R Coeff	R-7:Thick8:Side2	ENG	[50 to 300 / 86 / 1%]
2-710-108	PTR AC:R Coeff	R-8:Thick8:Side2	ENG	[50 to 300 / 88 / 1%]
2-710-109	PTR AC:R Coeff	R-9:Thick8:Side2	ENG	[50 to 300 / 90 / 1%]
2-710-110	PTR AC:R Coeff	R-10:Thick8:Side2	ENG	[50 to 300 / 92 / 1%]
2-710-111	PTR AC:R Coeff	R-11:Thick8:Side2	ENG	[50 to 300 / 94 / 1%]
2-710-112	PTR AC:R Coeff	R-12:Thick8:Side2	ENG	[50 to 300 / 96 / 1%]
2-710-113	PTR AC:R Coeff	R-13:Thick8:Side2	ENG	[50 to 300 / 98 / 1%]
2-710-114	PTR AC:R Coeff	R-14:Thick8:Side2	ENG	[50 to 300 / 100 / 1%]
2-710-115	PTR AC:R Coeff	R-15:Thick8:Side2	ENG	[50 to 300 / 102 / 1%]
2-710-116	PTR AC:R Coeff	R-16:Thick8:Side2	ENG	[50 to 300 / 104 / 1%]
2-710-	PTR AC:R Coeff	R-17:Thick8:Side2	ENG	[50 to 300 / 106 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
117				
2-710-118	PTR AC:R Coeff	R-18:Thick8:Side2	ENG	[50 to 300 / 108 / 1%]
2-710-119	PTR AC:R Coeff	R-19:Thick8:Side2	ENG	[50 to 300 / 110 / 1%]
2-710-120	PTR AC:R Coeff	R-20:Thick8:Side2	ENG	[50 to 300 / 112 / 1%]
2-710-121	PTR AC:R Coeff	R-21:Thick8:Side2	ENG	[50 to 300 / 115 / 1%]
2-710-122	PTR AC:R Coeff	R-22:Thick8:Side2	ENG	[50 to 300 / 118 / 1%]
2-710-123	PTR AC:R Coeff	R-23:Thick8:Side2	ENG	[50 to 300 / 121 / 1%]
2-710-124	PTR AC:R Coeff	R-24:Thick8:Side2	ENG	[50 to 300 / 124 / 1%]
2-710-125	PTR AC:R Coeff	R-25:Thick8:Side2	ENG	[50 to 300 / 127 / 1%]
2-710-126	PTR AC:R Coeff	R-26:Thick8:Side2	ENG	[50 to 300 / 130 / 1%]
2-710-127	PTR AC:R Coeff	R-27:Thick8:Side2	ENG	[50 to 300 / 133 / 1%]
2-710-128	PTR AC:R Coeff	R-28:Thick8:Side2	ENG	[50 to 300 / 136 / 1%]
2-710-129	PTR AC:R Coeff	R-29:Thick8:Side2	ENG	[50 to 300 / 139 / 1%]
2-710-130	PTR AC:R Coeff	R-30:Thick8:Side2	ENG	[50 to 300 / 142 / 1%]
2-710-131	PTR AC:R Coeff	R-31:Thick8:Side2	ENG	[50 to 300 / 145 / 1%]
2-710-132	PTR AC:R Coeff	R-32:Thick8:Side2	ENG	[50 to 300 / 148 / 1%]
2-710-133	PTR AC:R Coeff	R-33:Thick8:Side2	ENG	[50 to 300 / 151 / 1%]
2-710-134	PTR AC:R Coeff	R-34:Thick8:Side2	ENG	[50 to 300 / 154 / 1%]
2-710-	PTR AC:R Coeff	R-35:Thick8:Side2	ENG	[50 to 300 / 157 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
135				
2-711-001	PTR AC:R Coeff	R-1:Thick9:Side1	ENG	[50 to 300 / 70 / 1%]
2-711-002	PTR AC:R Coeff	R-2:Thick9:Side1	ENG	[50 to 300 / 73 / 1%]
2-711-003	PTR AC:R Coeff	R-3:Thick9:Side1	ENG	[50 to 300 / 76 / 1%]
2-711-004	PTR AC:R Coeff	R-4:Thick9:Side1	ENG	[50 to 300 / 79 / 1%]
2-711-005	PTR AC:R Coeff	R-5:Thick9:Side1	ENG	[50 to 300 / 82 / 1%]
2-711-006	PTR AC:R Coeff	R-6:Thick9:Side1	ENG	[50 to 300 / 84 / 1%]
2-711-007	PTR AC:R Coeff	R-7:Thick9:Side1	ENG	[50 to 300 / 86 / 1%]
2-711-008	PTR AC:R Coeff	R-8:Thick9:Side1	ENG	[50 to 300 / 88 / 1%]
2-711-009	PTR AC:R Coeff	R-9:Thick9:Side1	ENG	[50 to 300 / 90 / 1%]
2-711-010	PTR AC:R Coeff	R-10:Thick9:Side1	ENG	[50 to 300 / 92 / 1%]
2-711-011	PTR AC:R Coeff	R-11:Thick9:Side1	ENG	[50 to 300 / 94 / 1%]
2-711-012	PTR AC:R Coeff	R-12:Thick9:Side1	ENG	[50 to 300 / 96 / 1%]
2-711-013	PTR AC:R Coeff	R-13:Thick9:Side1	ENG	[50 to 300 / 98 / 1%]
2-711-014	PTR AC:R Coeff	R-14:Thick9:Side1	ENG	[50 to 300 / 100 / 1%]
2-711-015	PTR AC:R Coeff	R-15:Thick9:Side1	ENG	[50 to 300 / 102 / 1%]
2-711-016	PTR AC:R Coeff	R-16:Thick9:Side1	ENG	[50 to 300 / 104 / 1%]
2-711-017	PTR AC:R Coeff	R-17:Thick9:Side1	ENG	[50 to 300 / 106 / 1%]
2-711-	PTR AC:R Coeff	R-18:Thick9:Side1	ENG	[50 to 300 / 108 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
2-711-019	PTR AC:R Coeff	R-19:Thick9:Side1	ENG	[50 to 300 / 110 / 1%]
2-711-020	PTR AC:R Coeff	R-20:Thick9:Side1	ENG	[50 to 300 / 112 / 1%]
2-711-021	PTR AC:R Coeff	R-21:Thick9:Side1	ENG	[50 to 300 / 115 / 1%]
2-711-022	PTR AC:R Coeff	R-22:Thick9:Side1	ENG	[50 to 300 / 118 / 1%]
2-711-023	PTR AC:R Coeff	R-23:Thick9:Side1	ENG	[50 to 300 / 121 / 1%]
2-711-024	PTR AC:R Coeff	R-24:Thick9:Side1	ENG	[50 to 300 / 124 / 1%]
2-711-025	PTR AC:R Coeff	R-25:Thick9:Side1	ENG	[50 to 300 / 127 / 1%]
2-711-026	PTR AC:R Coeff	R-26:Thick9:Side1	ENG	[50 to 300 / 130 / 1%]
2-711-027	PTR AC:R Coeff	R-27:Thick9:Side1	ENG	[50 to 300 / 133 / 1%]
2-711-028	PTR AC:R Coeff	R-28:Thick9:Side1	ENG	[50 to 300 / 136 / 1%]
2-711-029	PTR AC:R Coeff	R-29:Thick9:Side1	ENG	[50 to 300 / 139 / 1%]
2-711-030	PTR AC:R Coeff	R-30:Thick9:Side1	ENG	[50 to 300 / 142 / 1%]
2-711-031	PTR AC:R Coeff	R-31:Thick9:Side1	ENG	[50 to 300 / 145 / 1%]
2-711-032	PTR AC:R Coeff	R-32:Thick9:Side1	ENG	[50 to 300 / 148 / 1%]
2-711-033	PTR AC:R Coeff	R-33:Thick9:Side1	ENG	[50 to 300 / 151 / 1%]
2-711-034	PTR AC:R Coeff	R-34:Thick9:Side1	ENG	[50 to 300 / 154 / 1%]
2-711-035	PTR AC:R Coeff	R-35:Thick9:Side1	ENG	[50 to 300 / 157 / 1%]
2-711-	PTR AC:R Coeff	R-1:Thick9:Side2	ENG	[50 to 300 / 70 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
2-711-102	PTR AC:R Coeff	R-2:Thick9:Side2	ENG	[50 to 300 / 73 / 1%]
2-711-103	PTR AC:R Coeff	R-3:Thick9:Side2	ENG	[50 to 300 / 76 / 1%]
2-711-104	PTR AC:R Coeff	R-4:Thick9:Side2	ENG	[50 to 300 / 79 / 1%]
2-711-105	PTR AC:R Coeff	R-5:Thick9:Side2	ENG	[50 to 300 / 82 / 1%]
2-711-106	PTR AC:R Coeff	R-6:Thick9:Side2	ENG	[50 to 300 / 84 / 1%]
2-711-107	PTR AC:R Coeff	R-7:Thick9:Side2	ENG	[50 to 300 / 86 / 1%]
2-711-108	PTR AC:R Coeff	R-8:Thick9:Side2	ENG	[50 to 300 / 88 / 1%]
2-711-109	PTR AC:R Coeff	R-9:Thick9:Side2	ENG	[50 to 300 / 90 / 1%]
2-711-110	PTR AC:R Coeff	R-10:Thick9:Side2	ENG	[50 to 300 / 92 / 1%]
2-711-111	PTR AC:R Coeff	R-11:Thick9:Side2	ENG	[50 to 300 / 94 / 1%]
2-711-112	PTR AC:R Coeff	R-12:Thick9:Side2	ENG	[50 to 300 / 96 / 1%]
2-711-113	PTR AC:R Coeff	R-13:Thick9:Side2	ENG	[50 to 300 / 98 / 1%]
2-711-114	PTR AC:R Coeff	R-14:Thick9:Side2	ENG	[50 to 300 / 100 / 1%]
2-711-115	PTR AC:R Coeff	R-15:Thick9:Side2	ENG	[50 to 300 / 102 / 1%]
2-711-116	PTR AC:R Coeff	R-16:Thick9:Side2	ENG	[50 to 300 / 104 / 1%]
2-711-117	PTR AC:R Coeff	R-17:Thick9:Side2	ENG	[50 to 300 / 106 / 1%]
2-711-118	PTR AC:R Coeff	R-18:Thick9:Side2	ENG	[50 to 300 / 108 / 1%]
2-711-	PTR AC:R Coeff	R-19:Thick9:Side2	ENG	[50 to 300 / 110 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
119				
2-711-120	PTR AC:R Coeff	R-20:Thick9:Side2	ENG	[50 to 300 / 112 / 1%]
2-711-121	PTR AC:R Coeff	R-21:Thick9:Side2	ENG	[50 to 300 / 115 / 1%]
2-711-122	PTR AC:R Coeff	R-22:Thick9:Side2	ENG	[50 to 300 / 118 / 1%]
2-711-123	PTR AC:R Coeff	R-23:Thick9:Side2	ENG	[50 to 300 / 121 / 1%]
2-711-124	PTR AC:R Coeff	R-24:Thick9:Side2	ENG	[50 to 300 / 124 / 1%]
2-711-125	PTR AC:R Coeff	R-25:Thick9:Side2	ENG	[50 to 300 / 127 / 1%]
2-711-126	PTR AC:R Coeff	R-26:Thick9:Side2	ENG	[50 to 300 / 130 / 1%]
2-711-127	PTR AC:R Coeff	R-27:Thick9:Side2	ENG	[50 to 300 / 133 / 1%]
2-711-128	PTR AC:R Coeff	R-28:Thick9:Side2	ENG	[50 to 300 / 136 / 1%]
2-711-129	PTR AC:R Coeff	R-29:Thick9:Side2	ENG	[50 to 300 / 139 / 1%]
2-711-130	PTR AC:R Coeff	R-30:Thick9:Side2	ENG	[50 to 300 / 142 / 1%]
2-711-131	PTR AC:R Coeff	R-31:Thick9:Side2	ENG	[50 to 300 / 145 / 1%]
2-711-132	PTR AC:R Coeff	R-32:Thick9:Side2	ENG	[50 to 300 / 148 / 1%]
2-711-133	PTR AC:R Coeff	R-33:Thick9:Side2	ENG	[50 to 300 / 151 / 1%]
2-711-134	PTR AC:R Coeff	R-34:Thick9:Side2	ENG	[50 to 300 / 154 / 1%]
2-711-135	PTR AC:R Coeff	R-35:Thick9:Side2	ENG	[50 to 300 / 157 / 1%]
2-850-101	PTR AC Mode	Texture:Thick1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-850-102	PTR AC Mode	Texture:Thick2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-103	PTR AC Mode	Texture:Thick3	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-104	PTR AC Mode	Texture:Thick4	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-105	PTR AC Mode	Texture:Thick5	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-106	PTR AC Mode	Texture:Thick6	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-107	PTR AC Mode	Texture:Thick7	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-108	PTR AC Mode	Texture:Thick8	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-109	PTR AC Mode	Texture:Thick9	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-850-111	PTR AC Mode	Not Texture	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-851-101	PTR AC:Voltage:BW	Texture:Thick1:Side1	ENG	[0 to 14 / 8.5 / 0.1kV]
2-851-102	PTR AC:Voltage:BW	Texture:Thick2:Side1	ENG	[0 to 14 / 8.5 / 0.1kV]
2-851-103	PTR AC:Voltage:BW	Texture:Thick3:Side1	ENG	[0 to 14 / 9 / 0.1kV]
2-851-104	PTR AC:Voltage:BW	Texture:Thick4:Side1	ENG	[0 to 14 / 9.4 / 0.1kV]
2-851-	PTR AC:Voltage:BW	Texture:Thick5:Side1	ENG	[0 to 14 / 9.8 / 0.1kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105				
2-851-106	PTR AC:Voltage:BW	Texture:Thick6:Side1	ENG	[0 to 14 / 10.2 / 0.1kV]
2-851-107	PTR AC:Voltage:BW	Texture:Thick7:Side1	ENG	[0 to 14 / 10.6 / 0.1kV]
2-851-108	PTR AC:Voltage:BW	Texture:Thick8:Side1	ENG	[0 to 14 / 11 / 0.1kV]
2-851-109	PTR AC:Voltage:BW	Texture:Thick9:Side1	ENG	[0 to 14 / 11 / 0.1kV]
2-852-101	PTR AC:Voltage:BW	Texture:Thick1:Side2	ENG	[0 to 14 / 8.5 / 0.1kV]
2-852-102	PTR AC:Voltage:BW	Texture:Thick2:Side2	ENG	[0 to 14 / 8.5 / 0.1kV]
2-852-103	PTR AC:Voltage:BW	Texture:Thick3:Side2	ENG	[0 to 14 / 9 / 0.1kV]
2-852-104	PTR AC:Voltage:BW	Texture:Thick4:Side2	ENG	[0 to 14 / 9.4 / 0.1kV]
2-852-105	PTR AC:Voltage:BW	Texture:Thick5:Side2	ENG	[0 to 14 / 9.8 / 0.1kV]
2-852-106	PTR AC:Voltage:BW	Texture:Thick6:Side2	ENG	[0 to 14 / 10.2 / 0.1kV]
2-852-107	PTR AC:Voltage:BW	Texture:Thick7:Side2	ENG	[0 to 14 / 10.6 / 0.1kV]
2-852-108	PTR AC:Voltage:BW	Texture:Thick8:Side2	ENG	[0 to 14 / 11 / 0.1kV]
2-852-109	PTR AC:Voltage:BW	Texture:Thick9:Side2	ENG	[0 to 14 / 11 / 0.1kV]
2-853-101	PTR AC:Voltage:FC	Texture:Thick1:Side1	ENG	[0 to 14 / 10.5 / 0.1kV]
2-853-102	PTR AC:Voltage:FC	Texture:Thick2:Side1	ENG	[0 to 14 / 10.5 / 0.1kV]
2-853-103	PTR AC:Voltage:FC	Texture:Thick3:Side1	ENG	[0 to 14 / 11 / 0.1kV]
2-853-104	PTR AC:Voltage:FC	Texture:Thick4:Side1	ENG	[0 to 14 / 11.4 / 0.1kV]
2-853-	PTR AC:Voltage:FC	Texture:Thick5:Side1	ENG	[0 to 14 / 11.8 / 0.1kV]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105				
2-853-106	PTR AC:Voltage:FC	Texture:Thick6:Side1	ENG	[0 to 14 / 12.2 / 0.1kV]
2-853-107	PTR AC:Voltage:FC	Texture:Thick7:Side1	ENG	[0 to 14 / 12.6 / 0.1kV]
2-853-108	PTR AC:Voltage:FC	Texture:Thick8:Side1	ENG	[0 to 14 / 13 / 0.1kV]
2-853-109	PTR AC:Voltage:FC	Texture:Thick9:Side1	ENG	[0 to 14 / 13 / 0.1kV]
2-854-101	PTR AC:Voltage:FC	Texture:Thick1:Side2	ENG	[0 to 14 / 10.5 / 0.1kV]
2-854-102	PTR AC:Voltage:FC	Texture:Thick2:Side2	ENG	[0 to 14 / 10.5 / 0.1kV]
2-854-103	PTR AC:Voltage:FC	Texture:Thick3:Side2	ENG	[0 to 14 / 11 / 0.1kV]
2-854-104	PTR AC:Voltage:FC	Texture:Thick4:Side2	ENG	[0 to 14 / 11.4 / 0.1kV]
2-854-105	PTR AC:Voltage:FC	Texture:Thick5:Side2	ENG	[0 to 14 / 11.8 / 0.1kV]
2-854-106	PTR AC:Voltage:FC	Texture:Thick6:Side2	ENG	[0 to 14 / 12.2 / 0.1kV]
2-854-107	PTR AC:Voltage:FC	Texture:Thick7:Side2	ENG	[0 to 14 / 12.6 / 0.1kV]
2-854-108	PTR AC:Voltage:FC	Texture:Thick8:Side2	ENG	[0 to 14 / 13 / 0.1kV]
2-854-109	PTR AC:Voltage:FC	Texture:Thick9:Side2	ENG	[0 to 14 / 13 / 0.1kV]
2-855-101	PTR AC:Frequency	Texture	ENG	[100 to 1600 / 500 / 1Hz]
2-856-101	PTR AC:Duty Cycle	Texture	ENG	[5 to 95 / 12 / 1%]
2-904-001	Prevent Blade Bending	Pattern Create Interval	ENG	[0 to 200 / * / 1Page] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-904-002	Prevent Blade Bending	Pattern Density	ENG	[0 to 15 / 2 / 1]
2-904-003	Prevent Blade Bending	Op Page Count	ENG*	[0 to 200 / 0 / 1Page]
2-904-004	Prevent Blade Bending	Set Operation Temp	ENG	[0 to 50 / 1 / 1deg]
2-905-001	Non-stop Used Tnr Botl Replace	Savings Time Threshold Value	ENG	[0 to 999 / 300 / 1sec]
2-905-002	Non-stop Used Tnr Botl Replace	Discharge Time Threshold Value	ENG	[0 to 999 / 180 / 1sec]
2-905-003	Non-stop Used Tnr Botl Replace	Savings Time Count	ENG*	[0 to 999 / 0 / 1sec]
2-905-004	Non-stop Used Tnr Botl Replace	Discharge Time Count	ENG*	[0 to 999 / 0 / 1sec]
2-907-001	ACS Setting (FC to Bk)	Continuous Bk Pages	ENG	[0 to 10 / 5 / 1sheet]
2-912-002	Encoder Sn:Adj Light	Light Amt Adj:Pass/Fail	ENG*	[0 to 9 / 0 / 1]
2-912-003	Encoder Sn:Adj Light	Vref_Disp:Main Setting	ENG*	[0 to 2.45 / 0 / 0.01V]
2-912-004	Encoder Sn:Adj Light	Vref_Disp:Sub Setting	ENG*	[0 to 2.45 / 0 / 0.01V]
2-912-005	Encoder Sn:Adj Light	Analog Out:Main:After F Adj	ENG*	[0 to 5 / 0 / 0.01V]
2-912-006	Encoder Sn:Adj Light	Analog Out:Sub:After F Adj	ENG*	[0 to 5 / 0 / 0.01V]
2-920-001	DriverCtrlON/OFF	Duplex initial silent mode	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-920-002	DriverCtrlON/OFF	DrivenFB 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-003	DriverCtrlON/OFF	DrivenFF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-	DriverCtrlON/OFF	Dancing 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				0: OFF 1: ON
2-920-005	DriverCtrlON/OFF	BkDrumFF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-006	DriverCtrlON/OFF	CDrumFF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-007	DriverCtrlON/OFF	MDrumFF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-008	DriverCtrlON/OFF	YDrumFF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-920-009	DriverCtrlON/OFF	BPF 0:OFF 1:ON	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-921-001	DrivenCtrlCondition	ScaleFB 0:OFF 1:ON	ENG	[0 to 1 / 0 / 1]
2-921-002	DrivenCtrlCondition	DrivenFB 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-003	DrivenCtrlCondition	DrivenFF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-004	DrivenCtrlCondition	Dancing 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-005	DrivenCtrlCondition	BkDrumFF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-006	DrivenCtrlCondition	CDrumFF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-007	DrivenCtrlCondition	MDrumFF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-008	DrivenCtrlCondition	YDrumFF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-921-009	DrivenCtrlCondition	BPF 0:OFF 1:ON	ENG	[0 to 1 / 1 / 1]
2-922-	CtlErrorCount	ScaleFB_Error Count	ENG*	[0 to 1000 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-922-002	CtlErrorCount	DrivenFB_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-003	CtlErrorCount	DrivenFF_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-004	CtlErrorCount	Dancing_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-005	CtlErrorCount	Bk_DrumFF_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-006	CtlErrorCount	C_DrumFF_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-007	CtlErrorCount	M_DrumFF_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-922-008	CtlErrorCount	Y_DrumFF_Error_Count	ENG*	[0 to 1000 / 0 / 1]
2-923-001	ErrorCountClear	ScaleFBCtl	ENG	[0 to 1 / 0 / 1]
2-923-002	ErrorCountClear	DrivenFBCtl	ENG	[0 to 1 / 0 / 1]
2-923-003	ErrorCountClear	DrivenFFCtl	ENG	[0 to 1 / 0 / 1]
2-923-004	ErrorCountClear	DancingCtl	ENG	[0 to 1 / 0 / 1]
2-923-005	ErrorCountClear	BkDrumFFCtl	ENG	[0 to 1 / 0 / 1]
2-923-006	ErrorCountClear	CDrumFFCtl	ENG	[0 to 1 / 0 / 1]
2-923-007	ErrorCountClear	MDrumFFCtl	ENG	[0 to 1 / 0 / 1]
2-923-008	ErrorCountClear	YDrumFFCtl	ENG	[0 to 1 / 0 / 1]
2-924-001	DancingCtrl	Belt:Position	ENG*	[0 to 65535 / 0 / 1]
2-924-002	DancingCtrl	1st:I	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-924-	DancingCtrl	1st:Q	ENG*	[0x80000000 to

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				0x7FFFFFFF / 0 / 1]
2-924-004	DancingCtrl	Detection Mode Forced	ENG*	[0 to 1 / 0 / 1]
2-924-005	DancingCtrl	Detection Mode Auto	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-924-006	DancingCtrl	Temperature	ENG*	[0 to 99.9 / 0 / 0.1deg]
2-924-007	DancingCtrl	Abs Humidity	ENG*	[0 to 99.9 / 0 / 0.1g/m3]
2-924-008	DancingCtrl	Interval :Set	ENG	[0 to 5000 / 0 / 1pages]
2-924-009	DancingCtrl	Temperature Range	ENG*	[0 to 99.9 / 0 / 0.1deg]
2-924-010	DancingCtrl	Absolute Humidity Range	ENG*	[0 to 99.9 / 0 / 0.1g/m3]
2-924-011	DancingCtrl	Count	ENG*	[0 to 9999 / 0 / 1pages]
2-924-012	DancingCtrl	Execution Result	ENG	[0 to 1 / 0 / 1]
2-924-013	DancingCtrl	2nd:I	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-924-014	DancingCtrl	2nd:Q	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-924-015	DancingCtrl	3rd:I	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-924-016	DancingCtrl	3rd:Q	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-925-001	Paper Trans Spd Auto Adj Ctrl	Extraction Mode Auto Execute	ENG	[0 to 1 / 0 / 1]
2-925-002	Paper Trans Spd Auto Adj Ctrl	Paper Trans Speed Optimization Adj. Value	ENG*	[-5 to 5 / 0 / 0.01%]
2-925-003	Paper Trans Spd Auto Adj Ctrl	Execution Result	ENG*	[0 to 1 / 0 / 1]
2-926-002	Extra Operation	Count	ENG	[0 to 1000 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-926-003	Extra Operation	Threshold	ENG	[0 to 1000 / 0 / 1]
2-926-004	Extra Operation	Extra Drive Time	ENG	[0 to 65535 / 0 / 1ms]
2-926-005	Extra Operation	Extra Drive Time	ENG	[0 to 65535 / 0 / 1ms]
2-927-001	DrivenRollerCtrl	DrivenRoller:Position	ENG*	[0 to 65535 / 0 / 1]
2-927-002	DrivenRollerCtrl	1st:I	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-927-003	DrivenRollerCtrl	1st:Q	ENG*	[0x80000000 to 0x7FFFFFFF / 0 / 1]
2-931-001	Image Create Mode	FC Mode Fixed: OFF/ON	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-932-001	Driven FB Error	MUSIC Flag	ENG*	[0 to 1 / 0 / 1]
2-949-001	Process Interval	Additional Time	ENG*	[0 to 10 / 0 / 1sec]

SP Group 3000-01

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-011-001	Manual ProCon :Exe	Normal ProCon	ENG	[0 to 1 / 0 / 1]
3-011-002	Manual ProCon :Exe	Density Adjustment	ENG	[0 to 1 / 0 / 1]
3-011-003	Manual ProCon :Exe	ACC RunTime ProCon	ENG	[0 to 1 / 0 / 1]
3-011-004	Manual ProCon :Exe	Full MUSIC	ENG	[0 to 1 / 0 / 1]
3-011-005	Manual ProCon :Exe	Normal MUSIC	ENG	[0 to 1 / 0 / 1]
3-012-001	ProCon OK?	History:Latest	ENG*	[0 to 99999999 / 0 / 1]
3-012-002	ProCon OK?	History:2Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-003	ProCon OK?	History:3Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-004	ProCon OK?	History:4Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-005	ProCon OK?	History:5Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-006	ProCon OK?	History:6Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-	ProCon OK?	History:7Times Before	ENG*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
3-012-008	ProCon OK?	History:8Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-009	ProCon OK?	History:9Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-012-010	ProCon OK?	History:10Times Before	ENG*	[0 to 99999999 / 0 / 1]
3-020-001	Process Setup :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]
3-024-001	Developer Fill :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]
3-024-002	Developer Fill :Exe	Execute: COL	ENG	[0 to 1 / 0 / 1]
3-024-003	Developer Fill :Exe	Execute: K	ENG	[0 to 1 / 0 / 1]
3-024-004	Developer Fill :Exe	Execute: C	ENG	[0 to 1 / 0 / 1]
3-024-005	Developer Fill :Exe	Execute: M	ENG	[0 to 1 / 0 / 1]
3-024-006	Developer Fill :Exe	Execute: Y	ENG	[0 to 1 / 0 / 1]
3-024-007	Developer Fill :Exe	Choose:From Left:YMCK	ENG	[0x00 to 0x0F / 0x00 / 1]
3-024-	Developer Fill :Exe	Execute: Chosen Color	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
3-024-011	Developer Fill :Exe	Drive Time Upper Limit	ENG*	[0 to 255 / 60 / 1sec]
3-025-001	Dev Fill OK?	From Left:YMCK	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
3-030-001	Init TD Sensor :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]
3-030-002	Init TD Sensor :Exe	Execute: COL	ENG	[0 to 1 / 0 / 1]
3-030-003	Init TD Sensor :Exe	Execute: K	ENG	[0 to 1 / 0 / 1]
3-030-004	Init TD Sensor :Exe	Execute: C	ENG	[0 to 1 / 0 / 1]
3-030-005	Init TD Sensor :Exe	Execute: M	ENG	[0 to 1 / 0 / 1]
3-030-006	Init TD Sensor :Exe	Execute: Y	ENG	[0 to 1 / 0 / 1]
3-030-011	Init TD Sensor :Exe	Execute Mid Spd: ALL	ENG	[0 to 1 / 0 / 1]
3-030-012	Init TD Sensor :Exe	Execute Mid Spd: COL	ENG	[0 to 1 / 0 / 1]
3-030-013	Init TD Sensor :Exe	Execute Mid Spd: K	ENG	[0 to 1 / 0 / 1]
3-030-	Init TD Sensor :Exe	Execute Mid Spd: C	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
3-030-015	Init TD Sensor :Exe	Execute Mid Spd: M	ENG	[0 to 1 / 0 / 1]
3-030-016	Init TD Sensor :Exe	Execute Mid Spd: Y	ENG	[0 to 1 / 0 / 1]
3-031-001	TD Sens Init OK?	From Left:YMCK	ENG*	[0 to 9999 / 0 / 1]
3-031-011	TD Sens Init OK?	From Left:YMCK: Mid	ENG	[0 to 9999 / 0 / 1]
3-032-001	Cleaning Setup :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]
3-032-002	Cleaning Setup :Exe	Execute: COL	ENG	[0 to 1 / 0 / 1]
3-032-003	Cleaning Setup :Exe	Execute: K	ENG	[0 to 1 / 0 / 1]
3-032-004	Cleaning Setup :Exe	Execute: C	ENG	[0 to 1 / 0 / 1]
3-032-005	Cleaning Setup :Exe	Execute: M	ENG	[0 to 1 / 0 / 1]
3-032-006	Cleaning Setup :Exe	Execute: Y	ENG	[0 to 1 / 0 / 1]
3-032-021	Cleaning Setup :Exe	A4 Page Cover	ENG	[0 to 100 / 6 / 1pages]
3-040-	DEMS:Execute	ALL	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-040-002	DEMS:Execute	K	ENG	[0 to 1 / 0 / 1]
3-040-003	DEMS:Execute	C	ENG	[0 to 1 / 0 / 1]
3-040-004	DEMS:Execute	M	ENG	[0 to 1 / 0 / 1]
3-040-005	DEMS:Execute	Y	ENG	[0 to 1 / 0 / 1]
3-041-001	DEMS Exe OK?	From Left:YYMMCCKK	ENG*	[0 to 99999999 / 0 / 1]
3-041-002	DEMS Exe OK?	From Left:YYMMCCKK[2]	ENG*	[0 to 99999999 / 0 / 1]
3-041-003	DEMS Exe OK?	From Left:YYMMCCKK[3]	ENG*	[0 to 99999999 / 0 / 1]
3-042-001	DEMS:Phasing:Execute	ALL	ENG	[0 to 1 / 0 / 1]
3-042-002	DEMS:Phasing:Execute	K	ENG	[0 to 1 / 0 / 1]
3-042-003	DEMS:Phasing:Execute	C	ENG	[0 to 1 / 0 / 1]
3-042-004	DEMS:Phasing:Execute	M	ENG	[0 to 1 / 0 / 1]
3-042-	DEMS:Phasing:Execute	Y	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
3-043-001	DEMS:Phasing:Exe OK?	From Left:YYMMCCCKK	ENG*	[0 to 99999999 / 0 / 1]
3-050-001	Force Tnr Supply :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]
3-050-002	Force Tnr Supply :Exe	Execute: COL	ENG	[0 to 1 / 0 / 1]
3-050-003	Force Tnr Supply :Exe	Execute: K	ENG	[0 to 1 / 0 / 1]
3-050-004	Force Tnr Supply :Exe	Execute: C	ENG	[0 to 1 / 0 / 1]
3-050-005	Force Tnr Supply :Exe	Execute: M	ENG	[0 to 1 / 0 / 1]
3-050-006	Force Tnr Supply :Exe	Execute: Y	ENG	[0 to 1 / 0 / 1]
3-050-021	Force Tnr Supply :Exe	Supply Quantity:K	ENG	[0 to 5 / 1 / 0.1wt%]
3-050-022	Force Tnr Supply :Exe	Supply Quantity:C	ENG	[0 to 5 / 1 / 0.1wt%]
3-050-023	Force Tnr Supply :Exe	Supply Quantity:M	ENG	[0 to 5 / 1 / 0.1wt%]
3-050-024	Force Tnr Supply :Exe	Supply Quantity:Y	ENG	[0 to 5 / 1 / 0.1wt%]
3-051-	Manual Toner Fill :Exe	Execute: ALL	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-062-001	Manual Tnr Ref:Exe	KCMY	ENG	[0 to 1 / 0 / 1]
3-062-002	Manual Tnr Ref:Exe	CMY	ENG	[0 to 1 / 0 / 1]
3-062-003	Manual Tnr Ref:Exe	K	ENG	[0 to 1 / 0 / 1]
3-062-004	Manual Tnr Ref:Exe	C	ENG	[0 to 1 / 0 / 1]
3-062-005	Manual Tnr Ref:Exe	M	ENG	[0 to 1 / 0 / 1]
3-062-006	Manual Tnr Ref:Exe	Y	ENG	[0 to 1 / 0 / 1]
3-062-011	Manual Tnr Ref:Exe	Lower Limit: Consumption	ENG*	[0 to 255 / 0 / 1times]
3-062-012	Manual Tnr Ref:Exe	Consumption + Supply pattern creation number	ENG*	[0 to 255 / 30 / 1times]
3-062-021	Manual Tnr Ref:Exe	TC Thresh : Consumption	ENG*	[0 to 20 / 1 / 0.1%]
3-062-022	Manual Tnr Ref:Exe	TC Thresh : Supply	ENG*	[0 to 20 / 5 / 0.1%]
3-062-023	Manual Tnr Ref:Exe	TC Thresh Cor :Supply	ENG*	[-5 to 5 / 0 / 0.1%]
3-062-	Manual Tnr Ref:Exe	Upper Limit :Offset :Consump	ENG*	[0 to 255 / 20 / 1times]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				
3-062-032	Manual Tnr Ref:Exe	Upper Limit :Coef :Consump	ENG*	[0 to 500 / 0 / 1times/V]
3-062-035	Manual Tnr Ref:Exe	Upper Limit :Offset :Supply	ENG*	[0 to 500 / 100 / 1times]
3-062-036	Manual Tnr Ref:Exe	Upper Limit :Coef :Supply	ENG*	[0 to 500 / 300 / 1times/V]
3-062-041	Manual Tnr Ref:Exe	Cumulative pattern create counter(K)	ENG*	[0 to 0xFFFFFFFF / 0 / 1times]
3-062-042	Manual Tnr Ref:Exe	Cumulative pattern create counter(C)	ENG*	[0 to 0xFFFFFFFF / 0 / 1times]
3-062-043	Manual Tnr Ref:Exe	Cumulative pattern create counter(M)	ENG*	[0 to 0xFFFFFFFF / 0 / 1times]
3-062-044	Manual Tnr Ref:Exe	Cumulative pattern create counter(Y)	ENG*	[0 to 0xFFFFFFFF / 0 / 1times]
3-062-051	Manual Tnr Ref:Exe	Supply Amount :Supply	ENG*	[0 to 25.5 / 1 / 0.1g]
3-062-052	Manual Tnr Ref:Exe	Repeat Interval :Supply	ENG*	[0 to 20000 / 300 / 1ms]
3-063-001	Manual Tnr Ref:Result	Result (YMCK)	ENG*	[0 to 9999 / 0 / 1]
3-063-002	Manual Tnr Ref:Result	Progress (YMCK)	ENG*	[0 to 9999 / 0 / 1]
3-070-	Pot.Sens Check :Exe	Execute	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-071-001	Pot.Sens Chk :Disp	Vd:K	ENG	[0 to 999 / 0 / 1-V]
3-071-002	Pot.Sens Chk :Disp	Vd:C	ENG	[0 to 999 / 0 / 1-V]
3-071-003	Pot.Sens Chk :Disp	Vd:M	ENG	[0 to 999 / 0 / 1-V]
3-071-004	Pot.Sens Chk :Disp	Vd:Y	ENG	[0 to 999 / 0 / 1-V]
3-071-011	Pot.Sens Chk :Disp	Vr:K	ENG	[0 to 999 / 0 / 1-V]
3-071-012	Pot.Sens Chk :Disp	Vr:C	ENG	[0 to 999 / 0 / 1-V]
3-071-013	Pot.Sens Chk :Disp	Vr:M	ENG	[0 to 999 / 0 / 1-V]
3-071-014	Pot.Sens Chk :Disp	Vr:Y	ENG	[0 to 999 / 0 / 1-V]
3-071-021	Pot.Sens Chk :Disp	Voffset:K	ENG	[0 to 999 / 0 / 1-V]
3-071-022	Pot.Sens Chk :Disp	Voffset:C	ENG	[0 to 999 / 0 / 1-V]
3-071-023	Pot.Sens Chk :Disp	Voffset:M	ENG	[0 to 999 / 0 / 1-V]
3-071-	Pot.Sens Chk :Disp	Voffset:Y	ENG	[0 to 999 / 0 / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				
3-072-001	TD.Sens Check :Exe	Execute	ENG	[0 to 1 / 0 / 1]
3-073-001	TD Sensor Measurement	mu Count:K	ENG*	[0 to 65535 / 0 / 1]
3-073-002	TD Sensor Measurement	mu Count:C	ENG*	[0 to 65535 / 0 / 1]
3-073-003	TD Sensor Measurement	mu Count:M	ENG*	[0 to 65535 / 0 / 1]
3-073-004	TD Sensor Measurement	mu Count:Y	ENG*	[0 to 65535 / 0 / 1]
3-100-001	TE Detect :Set	ON/OFF	ENG*	[0 to 1 / 0 / 1] 0: ON 1: OFF
3-101-001	Toner Status :Disp	K	ENG*	[0 to 10 / 10 / 1]
3-101-002	Toner Status :Disp	C	ENG*	[0 to 10 / 10 / 1]
3-101-003	Toner Status :Disp	M	ENG*	[0 to 10 / 10 / 1]
3-101-004	Toner Status :Disp	Y	ENG*	[0 to 10 / 10 / 1]
3-102-001	Toner Remains :Disp	% Remains:K	ENG*	[0 to 100 / 0 / 1%]
3-102-001	Toner Remains :Disp	% Remains:C	ENG*	[0 to 100 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
3-102-003	Toner Remains :Disp	% Remains:M	ENG*	[0 to 100 / 0 / 1%]
3-102-004	Toner Remains :Disp	% Remains:Y	ENG*	[0 to 100 / 0 / 1%]
3-102-011	Toner Remains :Disp	mg Remains:K	ENG*	[0 to 99999999 / 0 / 0.1mg]
3-102-012	Toner Remains :Disp	mg Remains:C	ENG*	[0 to 99999999 / 0 / 0.1mg]
3-102-013	Toner Remains :Disp	mg Remains:M	ENG*	[0 to 99999999 / 0 / 0.1mg]
3-102-014	Toner Remains :Disp	mg Remains:Y	ENG*	[0 to 99999999 / 0 / 0.1mg]
3-110-001	TNE Detect(Lvl1) :Set	ON/OFF	ENG*	[0 to 1 / 0 / 1] 0: ON 1: OFF
3-110-011	TNE Detect(Lvl1) :Set	Disp Timing:K	ENG*	[0 to 100 / * / 1%] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 5 *Pro C5210S: 5
3-110-012	TNE Detect(Lvl1) :Set	Disp Timing:C	ENG*	[0 to 100 / * / 1%] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 5 *Pro C5210S: 5
3-110-013	TNE Detect(Lvl1) :Set	Disp Timing:M	ENG*	[0 to 100 / * / 1%] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 5 *Pro C5210S: 5

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-110-014	TNE Detect(Lvl1) :Set	Disp Timing:Y	ENG*	[0 to 100 / * / 1%] *MP C6503: 10 *MP C8003: 10 *Pro C5200S: 5 *Pro C5210S: 5
3-120-001	TNE Detect(Lvl2) :Set	Set Cnt	ENG*	[0 to 255 / 41 / 1counts]
3-120-011	TNE Detect(Lvl2) :Set	Cnt:K	ENG*	[0 to 255 / 0 / 1counts]
3-120-012	TNE Detect(Lvl2) :Set	Cnt:C	ENG*	[0 to 255 / 0 / 1counts]
3-120-013	TNE Detect(Lvl2) :Set	Cnt:M	ENG*	[0 to 255 / 0 / 1counts]
3-120-014	TNE Detect(Lvl2) :Set	Cnt:Y	ENG*	[0 to 255 / 0 / 1counts]
3-130-001	TE Detect :Set	Set Sheets(Min)	ENG*	[0 to 50 / 10 / 1sheets]
3-130-002	TE Detect :Set	Set Sheets(Max)	ENG*	[0 to 5000 / 1000 / 1sheets]
3-130-011	TE Detect :Set	Page Cnt:K	ENG*	[0 to 5000 / 0 / 1sheets]
3-130-012	TE Detect :Set	Page Cnt:C	ENG*	[0 to 5000 / 0 / 1sheets]
3-130-013	TE Detect :Set	Page Cnt:M	ENG*	[0 to 5000 / 0 / 1sheets]
3-130-	TE Detect :Set	Page Cnt:Y	ENG*	[0 to 5000 / 0 / 1sheets]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
3-130-021	TE Detect :Set	Set Pxl Cnt	ENG*	[0 to 1000000 / 12466 / 1cm2]
3-130-031	TE Detect :Set	Pxl Cnt:K	ENG*	[0 to 1000000 / 0 / 1cm2]
3-130-032	TE Detect :Set	Pxl Cnt:C	ENG*	[0 to 1000000 / 0 / 1cm2]
3-130-033	TE Detect :Set	Pxl Cnt:M	ENG*	[0 to 1000000 / 0 / 1cm2]
3-130-034	TE Detect :Set	Pxl Cnt:Y	ENG*	[0 to 1000000 / 0 / 1cm2]
3-130-041	TE Detect :Set	Set Feed Cnt	ENG*	[0 to 99999999 / 0 / 1msec]
3-130-051	TE Detect :Set	Feed Counter:K	ENG*	[0 to 99999999 / 0 / 1msec]
3-130-052	TE Detect :Set	Feed Counter:C	ENG*	[0 to 99999999 / 0 / 1msec]
3-130-053	TE Detect :Set	Feed Counter:M	ENG*	[0 to 99999999 / 0 / 1msec]
3-130-054	TE Detect :Set	Feed Counter:Y	ENG*	[0 to 99999999 / 0 / 1msec]
3-150-001	TE Sensor :Set	SamplingCount	ENG*	[4 to 20 / 5 / 1counts]
3-150-	TE Sensor :Set	Judge:p	ENG*	[0.2 to 0.8 / 0.6 / 0.1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
3-152-010	Bottle Motor :Set	Stop Timing :Set	ENG*	[0 to 2000 / 0 / 1counts]
3-152-011	Bottle Motor :Set	Cnt:K	ENG*	[0 to 2000 / 0 / 1counts]
3-152-012	Bottle Motor :Set	Cnt:C	ENG*	[0 to 2000 / 0 / 1counts]
3-152-013	Bottle Motor :Set	Cnt:M	ENG*	[0 to 2000 / 0 / 1counts]
3-152-014	Bottle Motor :Set	Cnt:Y	ENG*	[0 to 2000 / 0 / 1counts]
3-200-001	TnrDensity	K	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-200-002	TnrDensity	C	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-200-003	TnrDensity	M	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-200-004	TnrDensity	Y	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-201-001	TnrDensity	Upper TC	ENG*	[1 to 15 / 8.5 / 0.1wt%]
3-201-002	TnrDensity	Lower TC	ENG*	[1 to 15 / 8.5 / 0.1wt%]
3-201-	TnrDensity	Upper TC:M	ENG*	[1 to 15 / 8.5 / 0.1wt%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
3-201-004	TnrDensity	Upper TC:Y	ENG*	[1 to 15 / 8.5 / 0.1wt%]
3-201-011	TnrDensity	Lower TC:K	ENG*	[1 to 15 / 3 / 0.1wt%]
3-201-012	TnrDensity	Lower TC:C	ENG*	[1 to 15 / 3 / 0.1wt%]
3-201-013	TnrDensity	Lower TC:M	ENG*	[1 to 15 / 3 / 0.1wt%]
3-201-014	TnrDensity	Lower TC:Y	ENG*	[1 to 15 / 3 / 0.1wt%]
3-210-001	TD.Sens:Vt :Disp	Current: K	ENG*	[0 to 5.5 / 0 / 0.01V]
3-210-002	TD.Sens:Vt :Disp	Current: C	ENG*	[0 to 5.5 / 0 / 0.01V]
3-210-003	TD.Sens:Vt :Disp	Current: M	ENG*	[0 to 5.5 / 0 / 0.01V]
3-210-004	TD.Sens:Vt :Disp	Current: Y	ENG*	[0 to 5.5 / 0 / 0.01V]
3-212-101	Vt Shift :Set	TC Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-212-111	Vt Shift :Set	TC Mid Spd:K	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-	Vt Shift :Set	TC Mid Spd:C	ENG*	[-0.5 to 0.5 / 0 / 0.01V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
112				
3-212-113	Vt Shift :Set	TC Mid Spd:M	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-114	Vt Shift :Set	TC Mid Spd:Y	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-121	Vt Shift :Set	TC MidLow Spd:K	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-122	Vt Shift :Set	TC MidLow Spd:C	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-123	Vt Shift :Set	TC MidLow Spd:M	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-124	Vt Shift :Set	TC MidLow Spd:Y	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-131	Vt Shift :Set	TC Low Spd:K	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-132	Vt Shift :Set	TC Low Spd:C	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-133	Vt Shift :Set	TC Low Spd:M	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-134	Vt Shift :Set	TC Low Spd:Y	ENG*	[-0.5 to 0.5 / 0 / 0.01V]
3-212-201	Vt Shift :Set	Vt shift FB.(ON/OFF)	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-230-	Vtref :Disp/Set	Current: K	ENG*	[0 to 5 / 2.5 / 0.01V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-230-002	Vtref :Disp/Set	Current: C	ENG*	[0 to 5 / 2.5 / 0.01V]
3-230-003	Vtref :Disp/Set	Current: M	ENG*	[0 to 5 / 2.5 / 0.01V]
3-230-004	Vtref :Disp/Set	Current: Y	ENG*	[0 to 5 / 2.5 / 0.01V]
3-231-101	Vtref Limits :Set	Env Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-231-102	Vtref Limits :Set	DC Avg. Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-231-103	Vtref Limits :Set	Age Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-231-111	Vtref Limits :Set	Corr Amt(upp):K	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-112	Vtref Limits :Set	Corr Amt(upp):C	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-113	Vtref Limits :Set	Corr Amt(upp):M	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-114	Vtref Limits :Set	Corr Amt(upp):Y	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-121	Vtref Limits :Set	Corr Amt(low):K	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-	Vtref Limits :Set	Corr Amt(low):C	ENG*	[-5 to 5 / 0 / 0.1wt%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				
3-231-123	Vtref Limits :Set	Corr Amt(low):M	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-231-124	Vtref Limits :Set	Corr Amt(low):Y	ENG*	[-5 to 5 / 0 / 0.1wt%]
3-232-001	Vtref Correct:Pixel	ON/OFF	ENG*	[0 to 1 / 1 / 1] 0: NotExecute 1: Execute
3-233-041	PPAT Vtref Corr :Disp/Set	Vtavg Rate(H)	ENG*	[0 to 100 / 50 / 1%]
3-233-051	PPAT Vtref Corr :Disp/Set	Vtavg Rate(M)	ENG*	[0 to 100 / 50 / 1%]
3-233-061	PPAT Vtref Corr :Disp/Set	Vtavg Rate(L)	ENG*	[0 to 100 / 50 / 1%]
3-250-001	ImgArea :Disp	Latest:K	ENG*	[0 to 9999 / 0 / 1cm2]
3-250-002	ImgArea :Disp	Latest:C	ENG*	[0 to 9999 / 0 / 1cm2]
3-250-003	ImgArea :Disp	Latest:M	ENG*	[0 to 9999 / 0 / 1cm2]
3-250-004	ImgArea :Disp	Latest:Y	ENG*	[0 to 9999 / 0 / 1cm2]
3-251-001	DotCoverage :Disp	Latest:K	ENG*	[0 to 100 / 0 / 0.01%]
3-251-	DotCoverage :Disp	Latest:C	ENG*	[0 to 100 / 0 / 0.01%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
3-251-003	DotCoverage :Disp	Latest:M	ENG*	[0 to 100 / 0 / 0.01%]
3-251-004	DotCoverage :Disp	Latest:Y	ENG*	[0 to 100 / 0 / 0.01%]
3-251-011	DotCoverage :Disp	DC Avg.:S:K	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-012	DotCoverage :Disp	DC Avg.:S:C	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-013	DotCoverage :Disp	DC Avg.:S:M	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-014	DotCoverage :Disp	DC Avg.:S:Y	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-021	DotCoverage :Disp	DC Avg.:M:K	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-022	DotCoverage :Disp	DC Avg.:M:C	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-023	DotCoverage :Disp	DC Avg.:M:M	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-024	DotCoverage :Disp	DC Avg.:M:Y	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-031	DotCoverage :Disp	DC Avg.:L:K	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-	DotCoverage :Disp	DC Avg.:L:C	ENG*	[0 to 100 / 5 / 0.0001%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
3-251-033	DotCoverage :Disp	DC Avg.:L:M	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-034	DotCoverage :Disp	DC Avg.:L:Y	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-101	DotCoverage :Disp	DC Avg.:A:K	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-102	DotCoverage :Disp	DC Avg.:A:C	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-103	DotCoverage :Disp	DC Avg.:A:M	ENG*	[0 to 100 / 5 / 0.0001%]
3-251-104	DotCoverage :Disp	DC Avg.:A:Y	ENG*	[0 to 100 / 5 / 0.0001%]
3-261-001	Temp/Humid(Body)	Temperature	ENG	[0 to 100 / 0 / 1deg]
3-261-002	Temp/Humid(Body)	Relative Humidity	ENG	[0 to 100 / 0 / 1%RH]
3-261-003	Temp/Humid(Body)	Absolute Humidity	ENG*	[0 to 63 / 0 / 0.01g/m3]
3-261-004	Temp/Humid(Body)	Environ:Recent	ENG	[0 to 0 / 0 / 0]
3-261-005	Temp/Humid(Body)	Environ:Recent 2	ENG	[0 to 0 / 0 / 0]
3-261-	Temp/Humid(Body)	Environ:Recent 3	ENG	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				
3-263-001	Env Set:Body	Force Settings	ENG	[0 to 6 / 0 / 1] 0: Sensor Detect 1: LLL 2: LL 3: ML 4: MM 5: MH 6: HH
3-263-002	Env Set:Body	Force Settings 2	ENG	[0 to 10 / 0 / 1] 0: Sensor Detect 1: 1 2: 2 3: 3 4: 4 5: 5 6: 6 7: 7 8: 8 9: 9 10: 10
3-263-003	Env Set:Body	Force Settings 3	ENG	[0 to 6 / 0 / 1] 0: Sensor Detect 2: LL 3: ML 4: MM 5: MH 6: HH
3-265-001	Env Thresh:Body	Abs Humid:1	ENG*	[0 to 63 / 2.5 / 0.01g/m3]
3-265-002	Env Thresh:Body	Abs Humid:2	ENG*	[0 to 63 / 5 / 0.01g/m3]
3-265-003	Env Thresh:Body	Abs Humid:3	ENG*	[0 to 63 / 8.4 / 0.01g/m3]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-265-004	Env Thresh:Body	Abs Humid:4	ENG*	[0 to 63 / 15 / 0.01g/m3]
3-265-005	Env Thresh:Body	Abs Humid:5	ENG*	[0 to 63 / 24 / 0.01g/m3]
3-265-012	Env Thresh:Body	Abs Humid(Body3):2	ENG*	[0 to 100 / 5 / 0.01g/m3]
3-265-013	Env Thresh:Body	Abs Humid(Body3):3	ENG*	[0 to 100 / 10 / 0.01g/m3]
3-265-014	Env Thresh:Body	Abs Humid(Body3):4	ENG*	[0 to 100 / 18 / 0.01g/m3]
3-265-015	Env Thresh:Body	Abs Humid(Body3):5	ENG*	[0 to 100 / 25 / 0.01g/m3]
3-300-001	ID Pattern :Disp	M/A(Latest):K	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-002	ID Pattern :Disp	M/A(Latest):C	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-003	ID Pattern :Disp	M/A(Latest):M	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-004	ID Pattern :Disp	M/A(Latest):Y	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-011	ID Pattern :Disp	M/A(Target):K	ENG*	[0 to 1 / * / 0.001mg/cm2] *MP C6503: 0.15 *MP C8003: 0.15 *Pro C5200S: 0.175 *Pro C5210S: 0.175
3-	ID Pattern :Disp	M/A(Target):C	ENG*	[0 to 1 / 0.433 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
300-012				0.001mg/cm2]
3-300-013	ID Pattern :Disp	M/A(Target):M	ENG*	[0 to 1 / 0.433 / 0.001mg/cm2]
3-300-014	ID Pattern :Disp	M/A(Target):Y	ENG*	[0 to 1 / 0.433 / 0.001mg/cm2]
3-300-021	ID Pattern :Disp	M/A(Corr):K	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-300-022	ID Pattern :Disp	M/A(Corr):C	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-300-023	ID Pattern :Disp	M/A(Corr):M	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-300-024	ID Pattern :Disp	M/A(Corr):Y	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-300-101	ID Pattern :Disp	M/A(Latest):K	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-102	ID Pattern :Disp	M/A(Latest):C	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-103	ID Pattern :Disp	M/A(Latest):M	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-300-104	ID Pattern :Disp	M/A(Latest):Y	ENG*	[0 to 1 / 0 / 0.001mg/cm2]
3-301-001	ID Pattern :Set	Create Intrvl:K	ENG	[0 to 200 / 10 / 1pages]
3-	ID Pattern :Set	Create Intrvl:C	ENG	[0 to 200 / 10 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
301-002				1pages]
3-301-003	ID Pattern :Set	Create Intrvl:M	ENG	[0 to 200 / 10 / 1pages]
3-301-004	ID Pattern :Set	Create Intrvl:Y	ENG	[0 to 200 / 10 / 1pages]
3-301-011	ID Pattern :Set	Page Cnt:K	ENG*	[0 to 200 / 0 / 1pages]
3-301-012	ID Pattern :Set	Page Cnt:C	ENG*	[0 to 200 / 0 / 1pages]
3-301-013	ID Pattern :Set	Page Cnt:M	ENG*	[0 to 200 / 0 / 1pages]
3-301-014	ID Pattern :Set	Page Cnt:Y	ENG*	[0 to 200 / 0 / 1pages]
3-301-021	ID Pattern :Set	M/A UppErr:K	ENG	[0 to 1 / 0.6 / 0.001mg/cm2]
3-301-022	ID Pattern :Set	M/A UppErr:Col	ENG	[0 to 2 / 1.2 / 0.001mg/cm2]
3-301-023	ID Pattern :Set	M/A LowErr:K	ENG	[0 to 1 / 0.05 / 0.001mg/cm2]
3-301-024	ID Pattern :Set	M/A LowErr:Col	ENG	[0 to 1 / 0.2 / 0.001mg/cm2]
3-301-031	ID Pattern :Set	Feed Cnt :Set	ENG*	[0 to 99999999 / 50000 / 1ms]
3-	ID Pattern :Set	Feed Cnt :K	ENG*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
301-041				1ms]
3-301-042	ID Pattern :Set	Feed Cnt :C	ENG*	[0 to 99999999 / 0 / 1ms]
3-301-043	ID Pattern :Set	Feed Cnt :M	ENG*	[0 to 99999999 / 0 / 1ms]
3-301-044	ID Pattern :Set	Feed Cnt :Y	ENG*	[0 to 99999999 / 0 / 1ms]
3-301-101	ID Pattern :Set	ON/OFF(Create Intrvl Change)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-301-111	ID Pattern :Set	Intrvl Change Rate 1	ENG	[0 to 500 / 100 / 1%]
3-301-112	ID Pattern :Set	Intrvl Change Rate 2	ENG	[0 to 500 / 100 / 1%]
3-301-113	ID Pattern :Set	Intrvl Change Rate 3	ENG	[0 to 500 / 100 / 1%]
3-301-114	ID Pattern :Set	Intrvl Change Rate 4	ENG	[0 to 500 / 70 / 1%]
3-301-115	ID Pattern :Set	Intrvl Change Rate 5	ENG	[0 to 500 / 50 / 1%]
3-301-211	ID Pattern :Set	Line Width Sensitivi:K	ENG*	[0 to 1 / 0.0051 / 0.0001mg/cm2/um]
3-301-221	ID Pattern :Set	Max M/A Sensitivi:K	ENG*	[0 to 1 / 0.333 / 0.0001]
3-	ID.Sens :Voffset	Voffset reg	ENG*	[0 to 5.5 / 0 / 0.01V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
310-001				
3-310-011	ID.Sens :Voffset	Voffset dif	ENG*	[0 to 5.5 / 0 / 0.01V]
3-310-021	ID.Sens :Voffset	Voffset TM(Front)	ENG*	[0 to 5.5 / 0 / 0.01V]
3-310-022	ID.Sens :Voffset	Voffset TM(Center)	ENG*	[0 to 5.5 / 0 / 0.01V]
3-310-023	ID.Sens :Voffset	Voffset TM(Rear)	ENG*	[0 to 5.5 / 0 / 0.01V]
3-311-001	ID.Sens :Vmin	Vmin_K	ENG*	[0 to 5 / 0 / 0.01V]
3-312-001	ID.Sens :Vct	Vct_reg	ENG*	[0 to 5 / 0 / 0.001V]
3-312-011	ID.Sens :Vct	Vct_dif	ENG*	[0 to 5 / 0 / 0.001V]
3-320-001	Vsg Adj: Execute	ALL	ENG	[0 to 1 / 0 / 1]
3-321-001	Adjusted Vsg	Vsg reg	ENG*	[0 to 5.5 / 0 / 0.01V]
3-321-011	Adjusted Vsg	Vsg dif	ENG*	[0 to 5.5 / 0 / 0.01V]
3-321-041	Adjusted Vsg	Vsg TM(Front)	ENG*	[0 to 5.5 / 0 / 0.01V]
3-	Adjusted Vsg	Vsg TM(Center)	ENG*	[0 to 5.5 / 0 / 0.01V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
321-042				
3-321-043	Adjusted Vsg	Vsg TM(Rear)	ENG*	[0 to 5.5 / 0 / 0.01V]
3-322-001	Adjusted Ifsg	Ifsg	ENG*	[0 to 50 / 27 / 0.1mA]
3-322-011	Adjusted Ifsg	Ifsg	ENG*	[0 to 50 / 27 / 0.1mA]
3-322-021	Adjusted Ifsg	Ifsg: TM(Front)	ENG*	[0 to 50 / 27 / 0.1mA]
3-322-022	Adjusted Ifsg	Ifsg: TM(Center)	ENG*	[0 to 50 / 27 / 0.1mA]
3-322-023	Adjusted Ifsg	Ifsg: TM(Rear)	ENG*	[0 to 50 / 27 / 0.1mA]
3-323-001	Vsg Adj OK?	History:Latest	ENG*	[0 to 999 / 0 / 1]
3-323-002	Vsg Adj OK?	History:Latest2	ENG*	[0 to 999 / 0 / 1]
3-323-003	Vsg Adj OK?	History:Latest3	ENG*	[0 to 999 / 0 / 1]
3-323-004	Vsg Adj OK?	History:Latest4	ENG*	[0 to 999 / 0 / 1]
3-323-005	Vsg Adj OK?	History:Latest5	ENG*	[0 to 999 / 0 / 1]
3-	Vsg Adj OK?	History:Latest6	ENG*	[0 to 999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
323-006				
3-323-007	Vsg Adj OK?	History:Latest7	ENG*	[0 to 999 / 0 / 1]
3-323-008	Vsg Adj OK?	History:Latest8	ENG*	[0 to 999 / 0 / 1]
3-323-009	Vsg Adj OK?	History:Latest9	ENG*	[0 to 999 / 0 / 1]
3-323-010	Vsg Adj OK?	History:Latest10	ENG*	[0 to 999 / 0 / 1]
3-330-001	ID.Sens Coef :Disp	K2(Latest)	ENG*	[0 to 5 / 0.324 / 0.0001]
3-330-011	ID.Sens Coef :Disp	K5(Latest)	ENG*	[0 to 5 / 2.04 / 0.0001]
3-331-021	ID.Sens Coef :Set	K2: Check	ENG*	[0 to 1 / 0.5 / 0.001]
3-331-031	ID.Sens Coef :Set	Diffuse Corr	ENG*	[0.75 to 1.35 / 1 / 0.01]
3-331-041	ID.Sens Coef :Set	Vct_reg_slope Check	ENG*	[0 to 1 / 0 / 0.0001V/mA]
3-331-046	ID.Sens Coef :Set	Vct_reg_Xint Check	ENG*	[0 to 25.5 / 0 / 0.1mA]
3-331-051	ID.Sens Coef :Set	Vct_dif_slope Check	ENG*	[0 to 1 / 0 / 0.0001V/mA]
3-	ID.Sens Coef :Set	Vct_dif_Xint Check	ENG*	[0 to 25.5 / 0 / 0.1mA]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
331-056				
3-400-001	Toner Supply Type	K	ENG*	[0 to 4 / 4 / 1] 0: FIXED 4: DANC
3-400-002	Toner Supply Type	C	ENG*	[0 to 4 / 4 / 1] 0: FIXED 4: DANC
3-400-003	Toner Supply Type	M	ENG*	[0 to 4 / 4 / 1] 0: FIXED 4: DANC
3-400-004	Toner Supply Type	Y	ENG*	[0 to 4 / 4 / 1] 0: FIXED 4: DANC
3-440-001	Fixed Supply Mode	Fixed Rate: K	ENG	[0 to 100 / 5 / 1%]
3-440-002	Fixed Supply Mode	Fixed Rate: C	ENG	[0 to 100 / 5 / 1%]
3-440-003	Fixed Supply Mode	Fixed Rate: M	ENG	[0 to 100 / 5 / 1%]
3-440-004	Fixed Supply Mode	Fixed Rate: Y	ENG	[0 to 100 / 5 / 1%]
3-500-005	ImgQtyAdj :ON/OFF	DEMS	ENG*	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON
3-520-001	ImgQtyAdj :Interval	During Job	ENG*	[0 to 100 / 30 / 1pages]
3-	Drum Stop Time :Disp	Year	ENG*	[0 to 99 / 0 / 1year]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
521-001				
3-521-002	Drum Stop Time :Disp	Month	ENG*	[1 to 12 / 1 / 1month]
3-521-003	Drum Stop Time :Disp	Day	ENG*	[1 to 31 / 1 / 1day]
3-521-004	Drum Stop Time :Disp	Hour	ENG*	[0 to 23 / 0 / 1hour]
3-521-005	Drum Stop Time :Disp	Minute	ENG*	[0 to 59 / 0 / 1minute]
3-521-011	Drum Stop Time :Disp	Year:Col	ENG*	[0 to 99 / 0 / 1year]
3-521-012	Drum Stop Time :Disp	Month:Col	ENG*	[1 to 12 / 1 / 1month]
3-521-013	Drum Stop Time :Disp	Day:Col	ENG*	[1 to 31 / 1 / 1day]
3-521-014	Drum Stop Time :Disp	Hour:Col	ENG*	[0 to 23 / 0 / 1hour]
3-521-015	Drum Stop Time :Disp	Minute:Col	ENG*	[0 to 59 / 0 / 1minute]
3-522-001	Drum Stop Environ :Disp	Temperature	ENG*	[-99 to 99 / 0 / 0.1deg]
3-522-002	Drum Stop Environ :Disp	Rel Humidity	ENG*	[0 to 100 / 0 / 0.1%RH]
3-	Drum Stop Environ :Disp	Abs Humidity	ENG*	[0 to 99 / 0 / 0.1g/m3]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
522-003				
3-522-011	Drum Stop Environ :Disp	Temperature:Col	ENG*	[-99 to 99 / 0 / 0.1deg]
3-522-012	Drum Stop Environ :Disp	Rel Humidity:Col	ENG*	[0 to 100 / 0 / 0.1%RH]
3-522-013	Drum Stop Environ :Disp	Abs Humidity:Col	ENG*	[0 to 99 / 0 / 0.1g/m3]
3-529-001	ProCon Interval Control :Set	Gamma Corr	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-529-002	ProCon Interval Control :Set	Env Corr	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-529-003	ProCon Interval Control :Set	AbsHum Threshold	ENG*	[0 to 99 / 4.3 / 0.1g/m3]
3-529-004	ProCon Interval Control :Set	Max Cnt	ENG*	[0 to 99 / 2 / 1times]
3-529-005	ProCon Interval Control :Set	Exe Cnt	ENG*	[0 to 255 / 0 / 1times]
3-529-006	ProCon Interval Control :Set	Page Cnt:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-529-007	ProCon Interval Control :Set	Page Cnt:FC	ENG*	[0 to 5000 / 0 / 1pages]
3-530-001	PowerON ProCon :Set	Non-use Time Setting	ENG*	[0 to 1440 / * / 1minute] *MP C6503: 360 *MP C8003: 360 *Pro C5200S: 30

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 30
3-530-002	PowerON ProCon :Set	Temperature Range	ENG*	[0 to 99 / 10 / 1deg]
3-530-003	PowerON ProCon :Set	Relative Humidity Range	ENG*	[0 to 99 / 50 / 1%RH]
3-530-004	PowerON ProCon :Set	Absolute Humidity Range	ENG*	[0 to 99 / 6 / 1g/m3]
3-530-005	PowerON ProCon :Set	Interval:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-530-006	PowerON ProCon :Set	Interval:FC	ENG*	[0 to 5000 / 0 / 1pages]
3-530-007	PowerON ProCon :Set	Page Cnt:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-530-008	PowerON ProCon :Set	Page Cnt:FC	ENG*	[0 to 5000 / 0 / 1pages]
3-530-009	Power ON ProCon: Set	Non-use Time Setting (Long)	ENG*	[0 to 65535 / 2880 / 1min]
3-532-001	JobIn Procon :Set	Non-use Time Setting	ENG*	[0 to 1440 / * / 1minute] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 30 *Pro C5210S: 30
3-532-002	JobIn Procon :Set	Temperature Range	ENG*	[0 to 99 / * / 1deg] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 3 *Pro C5210S: 3
3-	JobIn Procon :Set	Relative Humidity Range	ENG*	[0 to 99 / * / 1%RH]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
532-003				*MP C6503: 0 *MP C8003: 0 *Pro C5200S: 10 *Pro C5210S: 10
3-532-004	JobIn Procon :Set	Absolute Humidity Range	ENG*	[0 to 99 / * / 1g/m3] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 3 *Pro C5210S: 3
3-532-005	JobIn Procon :Set	Interval:BW	ENG*	[0 to 5000 / 0 / 1sheets]
3-532-006	JobIn Procon :Set	Interval:FC	ENG*	[0 to 5000 / 0 / 1sheets]
3-532-007	JobIn Procon :Set	Sheet Cnt:BW	ENG*	[0 to 5000 / 0 / 1sheets]
3-532-008	JobIn Procon :Set	Sheet Cnt:FC	ENG*	[0 to 5000 / 0 / 1sheets]
3-533-001	Interrupt ProCon :Set	Interval:Set:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-533-002	Interrupt ProCon :Set	Interval:Disp:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-533-003	Interrupt ProCon :Set	Corr(Short):BW	ENG*	[0 to 1 / 0.5 / 0.01]
3-533-004	Interrupt ProCon :Set	Corr(Mid):BW	ENG*	[0 to 1 / 1 / 0.01]
3-533-011	Interrupt ProCon :Set	Interval:Set:FC	ENG*	[0 to 5000 / 0 / 1pages]
3-	Interrupt ProCon :Set	Interval:Disp:FC	ENG*	[0 to 5000 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
533-012				1pages]
3-533-013	Interrupt ProCon :Set	Corr(Short):FC	ENG*	[0 to 1 / 0.5 / 0.01]
3-533-014	Interrupt ProCon :Set	Corr(Mid):FC	ENG*	[0 to 1 / 1 / 0.01]
3-534-001	JobEnd ProCon :Set	Interval:Set:BW	ENG*	[0 to 5000 / 1000 / 1pages]
3-534-002	JobEnd ProCon :Set	Interval:Disp:BW	ENG*	[0 to 5000 / 0 / 1pages]
3-534-003	JobEnd ProCon :Set	Corr(Short):BW	ENG*	[0 to 1 / 0.2 / 0.01]
3-534-004	JobEnd ProCon :Set	Corr(Mid):BW	ENG*	[0 to 1 / 1 / 0.01]
3-534-011	JobEnd ProCon :Set	Interval:Set:FC	ENG*	[0 to 1000 / 1000 / 1pages]
3-534-012	JobEnd ProCon :Set	Interval:Disp:FC	ENG*	[0 to 5000 / 0 / 1pages]
3-534-013	JobEnd ProCon :Set	Corr(Short):FC	ENG*	[0 to 1 / 0.2 / 0.01]
3-534-014	JobEnd ProCon :Set	Corr(Mid):FC	ENG*	[0 to 1 / 1 / 0.01]
3-535-011	Interrupt TC ProCon :Set	Target(Upp Limit):K	ENG*	[0 to 1 / 0.1 / 0.01mg/cm2/-kV]
3-	Interrupt TC ProCon :Set	Target(Upp Limit):Col	ENG*	[0 to 1 / 0.1 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
535-012				0.01mg/cm2/-kV]
3-535-021	Interrupt TC ProCon :Set	Target(Lwr Limit):K	ENG*	[-1 to 0 / -0.1 / 0.01mg/cm2/-kV]
3-535-022	Interrupt TC ProCon :Set	Target(Lwr Limit):Col	ENG*	[-1 to 0 / -0.1 / 0.01mg/cm2/-kV]
3-535-031	Interrupt ProCon :Set	Interval	ENG*	[0 to 50000 / 1000 / 1sheets]
3-538-001	Prediction Control Setting	Prediction Control ON/OFF	ENG*	[0 to 1 / * / 1] *MP C6503: 1 *MP C8003: 1 *Pro C5200S: 0 *Pro C5210S: 0 0: OFF 1: ON
3-538-071	Prediction Control Setting	Imaging Area Correction Coeff0	ENG	[0 to 2 / 1 / 0.01]
3-538-072	Prediction Control Setting	Imaging Area Correction Coeff1	ENG	[0 to 2 / 1 / 0.01]
3-538-073	Prediction Control Setting	Imaging Area Correction Coeff2	ENG	[0 to 2 / 1 / 0.01]
3-538-081	Prediction Control Setting	Elapsed Time Correction Coeff0	ENG	[0 to 2 / 1 / 0.01]
3-538-082	Prediction Control Setting	Elapsed Time Correction Coeff1	ENG	[0 to 2 / 1 / 0.01]
3-538-083	Prediction Control Setting	Elapsed Time Correction Coeff2	ENG	[0 to 2 / 1 / 0.01]
3-	Prediction Control Setting	TC Correction Coeff0	ENG	[0 to 2 / 1 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
538-091				
3-538-092	Prediction Control Setting	TC Correction Coeff1	ENG	[0 to 2 / 1 / 0.01]
3-538-093	Prediction Control Setting	TC Correction Coeff2	ENG	[0 to 2 / 1 / 0.01]
3-538-101	Prediction Control Setting	Predicted Correction:Disp.:K	ENG	[-128 to 127 / 0 / 1V]
3-538-102	Prediction Control Setting	Predicted Correction:Disp.:C	ENG	[-128 to 127 / 0 / 1V]
3-538-103	Prediction Control Setting	Predicted Correction:Disp.:M	ENG	[-128 to 127 / 0 / 1V]
3-538-104	Prediction Control Setting	Predicted Correction:Disp.:Y	ENG	[-128 to 127 / 0 / 1V]
3-538-108	Prediction Control Setting	Predicted Correction Upper Limit	ENG	[-128 to 127 / 0 / 1V]
3-538-109	Prediction Control Setting	Predicted Correction Lower Limit	ENG	[-128 to 127 / -15 / 1V]
3-538-111	Prediction Control Setting	Unused Threshold(Continuous):K	ENG*	[0 to 255 / 10 / 1minute]
3-538-112	Prediction Control Setting	Unused Threshold(Continuous):Col	ENG*	[0 to 255 / 10 / 1minute]
3-538-121	Prediction Control Setting	Continuous Run Time:Disp.:K	ENG*	[0 to 1440 / 0 / 1minute]
3-	Prediction Control Setting	Continuous Run	ENG*	[0 to 1440 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
538-122		Time:Disp.:Col		1minute]
3-538-123	Prediction Control Setting	Continuous Run Distance.:Disp.:K	ENG	[0 to 0xFFFFFFFF / 0 / 1mm]
3-538-124	Prediction Control Setting	Continuous Run Distance.:Disp.:Col	ENG	[0 to 0xFFFFFFFF / 0 / 1mm]
3-539-001	Dev Agitating Time :Set	Time	ENG*	[0 to 3000 / 0 / 1sec]
3-539-010	Dev Agitating Time :Set	ON/OFF(by AbsHum)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-539-030	Dev Agitating Time :Set	ON/OFF(by Non-use Time)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-539-050	Dev Agitating Time :Set	ON/OFF(by Non-use Time)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-554-001	Set Expel Dev Mode	Set Expel Dev Mode	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
3-554-002	Set Expel Dev Mode	Execution Threshold Value:Run	ENG	[0 to 255 / 75 / 1sec]
3-554-003	Set Expel Dev Mode	Execution Threshold Value:End	ENG	[0 to 255 / 15 / 1sec]
3-554-004	Set Expel Dev Mode	Calculated Value:Half-Speed	ENG	[0 to 655.35 / 0.67 / 0.01sec]
3-554-011	Set Expel Dev Mode	Required Expel Time:K	ENG	[0 to 655.35 / 0 / 0.01sec]
3-	Set Expel Dev Mode	Required Expel Time:C	ENG	[0 to 655.35 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
554-012				0.01sec]
3-554-013	Set Expel Dev Mode	Required Expel Time:M	ENG	[0 to 655.35 / 0 / 0.01sec]
3-554-014	Set Expel Dev Mode	Required Expel Time:Y	ENG	[0 to 655.35 / 0 / 0.01sec]
3-600-001	Select ProCon	Potential Control	ENG*	[0 to 1 / 1 / 1] 0: FIXED 1: CONTROL
3-600-003	Select ProCon	TC Adj. Mode	ENG*	[0 to 4 / 2 / 1] 0: NotExecute 1: 1st Power On 2: 1st Power On & Job End 3: 1st Power On & Job In 4: 1st Power On & Job In & job End
3-600-004	Select ProCon	ACC RunTime ProCon	ENG*	[0 to 3 / 2 / 1] 0: NotExecute 1: ProcessControl 2: TCControl
3-600-005	Select ProCon	TC Adj. Times	ENG*	[1 to 10 / 5 / 1]
3-600-007	Select ProCon	Interrupt TC Procon	ENG*	[0 to 2 / 1 / 1] 0: OFF 1: ON
3-600-010	Select ProCon	ActivePotentialControl	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-600-040	Select ProCon	DEMS Select	ENG*	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 1 0: OFF 1: ON
3-600-070	Select ProCon	IMSSe Select	ENG*	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON
3-610-001	Chrg AC Control	Std Speed: K	ENG*	[0 to 3 / 2.2 / 0.01kV]
3-610-002	Chrg AC Control	Std Speed: C	ENG*	[0 to 3 / 2.2 / 0.01kV]
3-610-003	Chrg AC Control	Std Speed: M	ENG*	[0 to 3 / 2.2 / 0.01kV]
3-610-004	Chrg AC Control	Std Speed: Y	ENG*	[0 to 3 / 2.2 / 0.01kV]
3-611-001	Chrg DC Control	Std Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-002	Chrg DC Control	Std Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-003	Chrg DC Control	Std Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-	Chrg DC Control	Std Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				*MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-011	Chrg DC Control	Mid Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-012	Chrg DC Control	Mid Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-013	Chrg DC Control	Mid Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-014	Chrg DC Control	Mid Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-021	Chrg DC Control	Low Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-022	Chrg DC Control	Low Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-023	Chrg DC Control	Low Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-024	Chrg DC Control	Low Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 720 *Pro C5210S: 720
3-611-031	Chrg DC Control	Low Speed2: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-032	Chrg DC Control	Low Speed2: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-033	Chrg DC Control	Low Speed2: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-034	Chrg DC Control	Low Speed2: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-101	Chrg DC Control	Procon:Std Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-102	Chrg DC Control	Procon:Std Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-103	Chrg DC Control	Procon:Std Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-104	Chrg DC Control	Procon:Std Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 720
3-611-111	Chrg DC Control	Procon:Mid Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-112	Chrg DC Control	Procon:Mid Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-113	Chrg DC Control	Procon:Mid Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-114	Chrg DC Control	Procon:Mid Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-121	Chrg DC Control	Procon:Low Speed: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-122	Chrg DC Control	Procon:Low Speed: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-123	Chrg DC Control	Procon:Low Speed: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-124	Chrg DC Control	Procon:Low Speed: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-611-131	Chrg DC Control	Procon:Low Speed2: K	ENG*	[300 to 1200 / 620 / 1-V]
3-611-132	Chrg DC Control	Procon:Low Speed2: C	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-133	Chrg DC Control	Procon:Low Speed2: M	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-611-134	Chrg DC Control	Procon:Low Speed2: Y	ENG*	[300 to 1200 / * / 1-V] *MP C6503: 620 *MP C8003: 620 *Pro C5200S: 720 *Pro C5210S: 720
3-612-001	Dev DC Control	Std Speed: K	ENG*	[200 to 800 / 480 / 1-V]
3-612-002	Dev DC Control	Std Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-003	Dev DC Control	Std Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-004	Dev DC Control	Std Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-	Dev DC Control	Mid Speed: K	ENG*	[200 to 800 / 480 / 1-

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
612-011				V]
3-612-012	Dev DC Control	Mid Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-013	Dev DC Control	Mid Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-014	Dev DC Control	Mid Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-021	Dev DC Control	Low Speed: K	ENG*	[200 to 800 / 480 / 1-V]
3-612-022	Dev DC Control	Low Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-023	Dev DC Control	Low Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-024	Dev DC Control	Low Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-	Dev DC Control	Low Speed2: K	ENG*	[200 to 800 / 480 / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				
3-612-032	Dev DC Control	Low Speed2: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-033	Dev DC Control	Low Speed2: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-034	Dev DC Control	Low Speed2: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-101	Dev DC Control	Procon:Std Speed: K	ENG*	[200 to 800 / 480 / 1-V]
3-612-102	Dev DC Control	Procon:Std Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-103	Dev DC Control	Procon:Std Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-104	Dev DC Control	Procon:Std Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-111	Dev DC Control	Procon:Mid Speed: K	ENG*	[200 to 800 / 480 / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-612-112	Dev DC Control	Procon:Mid Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-113	Dev DC Control	Procon:Mid Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-114	Dev DC Control	Procon:Mid Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-121	Dev DC Control	Procon:Low Speed: K	ENG*	[200 to 800 / 480 / 1-V]
3-612-122	Dev DC Control	Procon:Low Speed: C	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-123	Dev DC Control	Procon:Low Speed: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-124	Dev DC Control	Procon:Low Speed: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-131	Dev DC Control	Procon:Low Speed2: K	ENG*	[200 to 800 / 480 / 1-V]
3-	Dev DC Control	Procon:Low Speed2: C	ENG*	[200 to 800 / * / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
612-132				*MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-133	Dev DC Control	Procon:Low Speed2: M	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-612-134	Dev DC Control	Procon:Low Speed2: Y	ENG*	[200 to 800 / * / 1-V] *MP C6503: 480 *MP C8003: 480 *Pro C5200S: 650 *Pro C5210S: 650
3-613-001	LD Power Control	Std Speed: K	ENG*	[60 to 180 / 100 / 1%]
3-613-002	LD Power Control	Std Speed: C	ENG*	[60 to 180 / 100 / 1%]
3-613-003	LD Power Control	Std Speed: M	ENG*	[60 to 180 / 100 / 1%]
3-613-004	LD Power Control	Std Speed: Y	ENG*	[60 to 180 / 100 / 1%]
3-613-101	LD Power Control	Procon:Std Speed: K	ENG*	[60 to 180 / 100 / 1%]
3-613-102	LD Power Control	Procon:Std Speed: C	ENG*	[60 to 180 / 100 / 1%]
3-613-103	LD Power Control	Procon:Std Speed: M	ENG*	[60 to 180 / 100 / 1%]
3-613-	LD Power Control	Procon:Std Speed: Y	ENG*	[60 to 180 / 100 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104				
3-620-001	ProCon Target M/A	Maximum M/A:K	ENG*	[0.25 to 0.75 / 0.378 / 0.001mg/cm2]
3-620-002	ProCon Target M/A	Maximum M/A:C	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-003	ProCon Target M/A	Maximum M/A:M	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-004	ProCon Target M/A	Maximum M/A:Y	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-011	ProCon Target M/A	Maximum M/A Adj.:K	ENG*	[-5 to 5 / 0 / 1]
3-620-012	ProCon Target M/A	Maximum M/A Adj.:C	ENG*	[-5 to 5 / 0 / 1]
3-620-013	ProCon Target M/A	Maximum M/A Adj.:M	ENG*	[-5 to 5 / 0 / 1]
3-620-014	ProCon Target M/A	Maximum M/A Adj.:Y	ENG*	[-5 to 5 / 0 / 1]
3-620-021	ProCon Target M/A	Maximum M/A Corr:K	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-620-022	ProCon Target M/A	Maximum M/A Corr:C	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-620-023	ProCon Target M/A	Maximum M/A Corr:M	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]
3-620-	ProCon Target M/A	Maximum M/A Corr:Y	ENG*	[-0.15 to 0.15 / 0 / 0.001mg/cm2]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				
3-620-101	ProCon Target M/A	Procon:Maximum M/A:K	ENG*	[0.25 to 0.75 / 0.378 / 0.001mg/cm2]
3-620-102	ProCon Target M/A	Procon:Maximum M/A:C	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-103	ProCon Target M/A	Procon:Maximum M/A:M	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-104	ProCon Target M/A	Procon:Maximum M/A:Y	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-111	ProCon Target M/A	Plain:Maximum M/A:K	ENG*	[0.25 to 0.75 / 0.378 / 0.001mg/cm2]
3-620-112	ProCon Target M/A	Plain:Maximum M/A:C	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-113	ProCon Target M/A	Plain:Maximum M/A:M	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-114	ProCon Target M/A	Plain:Maximum M/A:Y	ENG*	[0.25 to 0.75 / 0.433 / 0.001mg/cm2]
3-620-121	ProCon Target M/A	gloss:Maximum M/A:K	ENG*	[0.25 to 0.75 / 0.378 / 0.001mg/cm2]
3-620-122	ProCon Target M/A	gloss:Maximum M/A:C	ENG*	[0.25 to 0.75 / 0.389 / 0.001mg/cm2]
3-620-123	ProCon Target M/A	gloss:Maximum M/A:M	ENG*	[0.25 to 0.75 / 0.389 / 0.001mg/cm2]
3-620-	ProCon Target M/A	gloss:Maximum M/A:Y	ENG*	[0.25 to 0.75 / 0.389 / 0.001mg/cm2]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				
3-620-201	ProCon Target M/A	Environ Corr:K	ENG*	[-0.1 to 0.1 / 0 / 0.001mg/cm2]
3-620-202	ProCon Target M/A	Environ Corr1:K	ENG*	[-0.1 to 0.1 / 0 / 0.001mg/cm2]
3-620-203	ProCon Target M/A	Environ Corr2:K	ENG*	[-0.1 to 0.1 / 0 / 0.001mg/cm2]
3-621-021	Backgroud Pot:Set	Correction Step:K	ENG*	[0 to 5 / 0 / 1]
3-621-022	Backgroud Pot:Set	Correction Step:C	ENG*	[0 to 5 / 0 / 1]
3-621-023	Backgroud Pot:Set	Correction Step:M	ENG*	[0 to 5 / 0 / 1]
3-621-024	Backgroud Pot:Set	Correction Step:Y	ENG*	[0 to 5 / 0 / 1]
3-622-001	Dev Pot :Set	Current: K	ENG*	[0 to 800 / 470 / 1V]
3-622-002	Dev Pot :Set	Current: C	ENG*	[0 to 800 / 540 / 1V]
3-622-003	Dev Pot :Set	Current: M	ENG*	[0 to 800 / 540 / 1V]
3-622-004	Dev Pot :Set	Current: Y	ENG*	[0 to 800 / 540 / 1V]
3-622-	Dev Pot :Set	Target:K	ENG*	[0 to 800 / 470 / 1V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
3-622-012	Dev Pot :Set	Target:C	ENG*	[0 to 800 / 540 / 1V]
3-622-013	Dev Pot :Set	Target:M	ENG*	[0 to 800 / 540 / 1V]
3-622-014	Dev Pot :Set	Target:Y	ENG*	[0 to 800 / 540 / 1V]
3-622-051	Dev Pot :Set	UpperLimit:K	ENG*	[400 to 800 / 625 / 1V]
3-622-052	Dev Pot :Set	UpperLimit:C	ENG*	[400 to 800 / 625 / 1V]
3-622-053	Dev Pot :Set	UpperLimit:M	ENG*	[400 to 800 / 625 / 1V]
3-622-054	Dev Pot :Set	UpperLimit:Y	ENG*	[400 to 800 / 625 / 1V]
3-622-061	Dev Pot :Set	LowerLimit:K	ENG*	[0 to 400 / 200 / 1V]
3-622-062	Dev Pot :Set	LowerLimit:C	ENG*	[0 to 400 / 200 / 1V]
3-622-063	Dev Pot :Set	LowerLimit:M	ENG*	[0 to 400 / 200 / 1V]
3-622-064	Dev Pot :Set	LowerLimit:Y	ENG*	[0 to 400 / 200 / 1V]
3-622-	Dev Pot :Set	Current:K	ENG*	[0 to 800 / 470 / 1V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
3-622-102	Dev Pot :Set	Current:C	ENG*	[0 to 800 / 540 / 1V]
3-622-103	Dev Pot :Set	Current:M	ENG*	[0 to 800 / 540 / 1V]
3-622-104	Dev Pot :Set	Current:Y	ENG*	[0 to 800 / 540 / 1V]
3-623-051	LD Power :Set	Line Width Adj.:K	ENG*	[20 to 120 / * / 1um] *MP C6503: 53 *MP C8003: 53 *Pro C5200S: 58 *Pro C5210S: 58
3-623-052	LD Power :Set	Line Width Adj.:C	ENG*	[20 to 120 / * / 1um] *MP C6503: 51 *MP C8003: 51 *Pro C5200S: 56 *Pro C5210S: 56
3-623-053	LD Power :Set	Line Width Adj.:M	ENG*	[20 to 120 / * / 1um] *MP C6503: 51 *MP C8003: 51 *Pro C5200S: 56 *Pro C5210S: 56
3-623-054	LD Power :Set	Line Width Adj.:Y	ENG*	[20 to 120 / * / 1um] *MP C6503: 51 *MP C8003: 51 *Pro C5200S: 56 *Pro C5210S: 56
3-623-061	LD Power :Set	Line Width Adj.:K	ENG*	[-5 to 5 / 0 / 1]
3-623-062	LD Power :Set	Line Width Adj.:C	ENG*	[-5 to 5 / 0 / 1]
3-	LD Power :Set	Line Width Adj.:M	ENG*	[-5 to 5 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
623-063				
3-623-064	LD Power :Set	Line Width Adj.:Y	ENG*	[-5 to 5 / 0 / 1]
3-624-001	TC Adj. Mode	Target(Upp Limit)	ENG*	[0 to 1 / 0.1 / 0.01mg/cm2/-kV]
3-624-002	TC Adj. Mode	Target(Lwr Limit)	ENG*	[-1 to 0 / -0.1 / 0.01mg/cm2/-kV]
3-630-001	Dev gamma :Disp/Set	Current: K	ENG*	[0.1 to 6 / 0.9 / 0.01mg/cm2/-kV]
3-630-002	Dev gamma :Disp/Set	Current: C	ENG*	[0.1 to 6 / 0.9 / 0.01mg/cm2/-kV]
3-630-003	Dev gamma :Disp/Set	Current: M	ENG*	[0.1 to 6 / 0.9 / 0.01mg/cm2/-kV]
3-630-004	Dev gamma :Disp/Set	Current: Y	ENG*	[0.1 to 6 / 0.9 / 0.01mg/cm2/-kV]
3-630-011	Dev gamma :Disp/Set	Target:K	ENG*	[0.5 to 2.55 / 0.9 / 0.01mg/cm2/-kV]
3-630-012	Dev gamma :Disp/Set	Target:C	ENG*	[0.5 to 2.55 / 0.9 / 0.01mg/cm2/-kV]
3-630-013	Dev gamma :Disp/Set	Target:M	ENG*	[0.5 to 2.55 / 0.9 / 0.01mg/cm2/-kV]
3-630-014	Dev gamma :Disp/Set	Target:Y	ENG*	[0.5 to 2.55 / 0.9 / 0.01mg/cm2/-kV]
3-	Dev gamma :Disp/Set	Initial: K	ENG*	[0.5 to 2.55 / * /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
630-021				0.01mg/cm2/-kV *MP C6503: 0.8 *MP C8003: 0.8 *Pro C5200S: 0.9 *Pro C5210S: 0.9
3-630-022	Dev gamma :Disp/Set	Initial: C	ENG*	[0.5 to 2.55 / * / 0.01mg/cm2/-kV] *MP C6503: 0.8 *MP C8003: 0.8 *Pro C5200S: 0.9 *Pro C5210S: 0.9
3-630-023	Dev gamma :Disp/Set	Initial: M	ENG*	[0.5 to 2.55 / * / 0.01mg/cm2/-kV] *MP C6503: 0.8 *MP C8003: 0.8 *Pro C5200S: 0.9 *Pro C5210S: 0.9
3-630-024	Dev gamma :Disp/Set	Initial: Y	ENG*	[0.5 to 2.55 / * / 0.01mg/cm2/-kV] *MP C6503: 0.8 *MP C8003: 0.8 *Pro C5200S: 0.9 *Pro C5210S: 0.9
3-630-031	Dev gamma :Disp/Set	Env Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-630-032	Dev gamma :Disp/Set	TC Cor.(ON/OFF)	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-630-033	Dev gamma :Disp/Set	DC Avg. Cor.(ON/OFF)	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-630-034	Dev gamma :Disp/Set	Age Cor.(ON/OFF)	ENG*	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
3-630-035	Dev gamma :Disp/Set	MA Cor.(ON/OFF)	ENG*	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-630-061	Dev gamma :Disp/Set	TnrDensity:K	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-630-062	Dev gamma :Disp/Set	TnrDensity:C	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-630-063	Dev gamma :Disp/Set	TnrDensity:M	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-630-064	Dev gamma :Disp/Set	TnrDensity:Y	ENG*	[0 to 25.5 / 0 / 0.1wt%]
3-630-071	Dev gamma :Disp/Set	Environ Corr1:K	ENG*	[-1 to 1 / 0.15 / 0.01mg/cm2/-kV]
3-630-072	Dev gamma :Disp/Set	Environ Corr2:K	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0.12 *MP C8003: 0.12 *Pro C5200S: 0.1 *Pro C5210S: 0.1
3-630-073	Dev gamma :Disp/Set	Environ Corr3:K	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0.05 *MP C8003: 0.05 *Pro C5200S: 0 *Pro C5210S: 0
3-630-074	Dev gamma :Disp/Set	Environ Corr4:K	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: -0.05

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: -0.05
3-630-075	Dev gamma :Disp/Set	Environ Corr5:K	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: -0.05 *MP C8003: -0.05 *Pro C5200S: -0.15 *Pro C5210S: -0.15
3-630-076	Dev gamma :Disp/Set	Environ Corr6:K	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: -0.05 *MP C8003: -0.05 *Pro C5200S: -0.15 *Pro C5210S: -0.15
3-630-081	Dev gamma :Disp/Set	Environ Corr1:Col	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0.15 *MP C8003: 0.15 *Pro C5200S: 0.05 *Pro C5210S: 0.05
3-630-082	Dev gamma :Disp/Set	Environ Corr2:Col	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0.12 *MP C8003: 0.12 *Pro C5200S: 0.05 *Pro C5210S: 0.05
3-630-083	Dev gamma :Disp/Set	Environ Corr3:Col	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0.05 *MP C8003: 0.05 *Pro C5200S: 0 *Pro C5210S: 0
3-630-084	Dev gamma :Disp/Set	Environ Corr4:Col	ENG*	[-1 to 1 / * / 0.01mg/cm2/-kV] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: -0.05 *Pro C5210S: -0.05

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-630-085	Dev gamma :Disp/Set	Environ Corr5:Col	ENG*	[-1 to 1 / -0.05 / 0.01mg/cm2/-kV]
3-630-086	Dev gamma :Disp/Set	Environ Corr6:Col	ENG*	[-1 to 1 / -0.05 / 0.01mg/cm2/-kV]
3-630-101	Dev gamma :Disp/Set	UpperLimit	ENG*	[1 to 3 / 2 / 0.01mg/cm2/-kV]
3-630-102	Dev gamma :Disp/Set	LowerLimit	ENG*	[0.5 to 1 / 0.75 / 0.01mg/cm2/-kV]
3-631-001	Vk :Disp	K	ENG*	[-300 to 300 / 0 / 1-V]
3-631-002	Vk :Disp	C	ENG*	[-300 to 300 / 0 / 1-V]
3-631-003	Vk :Disp	M	ENG*	[-300 to 300 / 0 / 1-V]
3-631-004	Vk :Disp	Y	ENG*	[-300 to 300 / 0 / 1-V]
3-641-001	Vd(700) :Disp	Average:K	ENG*	[0 to 999 / 650 / 1-V]
3-641-002	Vd(700) :Disp	Average:C	ENG*	[0 to 999 / 650 / 1-V]
3-641-003	Vd(700) :Disp	Average:M	ENG*	[0 to 999 / 650 / 1-V]
3-641-004	Vd(700) :Disp	Average:Y	ENG*	[0 to 999 / 650 / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-641-011	Vd(700) :Disp	Max:K	ENG*	[0 to 999 / 650 / 1-V]
3-641-012	Vd(700) :Disp	Max:C	ENG*	[0 to 999 / 650 / 1-V]
3-641-013	Vd(700) :Disp	Max:M	ENG*	[0 to 999 / 650 / 1-V]
3-641-014	Vd(700) :Disp	Max:Y	ENG*	[0 to 999 / 650 / 1-V]
3-641-021	Vd(700) :Disp	Min:K	ENG*	[0 to 999 / * / 1-V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 100 *Pro C5210S: 100
3-641-022	Vd(700) :Disp	Min:C	ENG*	[0 to 999 / * / 1-V] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 100 *Pro C5210S: 100
3-641-023	Vd(700) :Disp	Min:M	ENG*	[0 to 999 / 650 / 1-V]
3-641-024	Vd(700) :Disp	Min:Y	ENG*	[0 to 999 / 650 / 1-V]
3-641-031	Vd(700) :Disp	Coef:K	ENG*	[0.8 to 1.2 / 0.97 / 0.01]
3-641-032	Vd(700) :Disp	Coef:C	ENG*	[0.8 to 1.2 / 0.97 / 0.01]
3-641-033	Vd(700) :Disp	Coef:M	ENG*	[0.8 to 1.2 / 0.97 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-641-034	Vd(700) :Disp	Coef:Y	ENG*	[0.8 to 1.2 / 0.97 / 0.01]
3-642-001	Vr :Disp	K	ENG*	[0 to 999 / 50 / 1-V]
3-642-002	Vr :Disp	C	ENG*	[0 to 999 / 50 / 1-V]
3-642-003	Vr :Disp	M	ENG*	[0 to 999 / 50 / 1-V]
3-642-004	Vr :Disp	Y	ENG*	[0 to 999 / 50 / 1-V]
3-649-001	Pattern Pot:	Vl(P5):K	ENG*	[0 to 999 / 100 / 1-V]
3-649-002	Pattern Pot:	Vl(P5):C	ENG*	[0 to 999 / 100 / 1-V]
3-649-003	Pattern Pot:	Vl(P5):M	ENG*	[0 to 999 / 100 / 1-V]
3-649-004	Pattern Pot:	Vl(P5):Y	ENG*	[0 to 999 / 100 / 1-V]
3-649-011	Pattern Pot:	Vpl:K	ENG*	[0 to 999 / 0 / 1-V]
3-649-012	Pattern Pot:	Vpl:C	ENG*	[0 to 999 / 0 / 1-V]
3-649-013	Pattern Pot:	Vpl:M	ENG*	[0 to 999 / 0 / 1-V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-649-014	Pattern Pot:	Vpl:Y	ENG*	[0 to 999 / 0 / 1-V]
3-670-020	DEMS:Settting	deltaP_Upp Threshold_p_1	ENG*	[0 to 180 / 60 / 0.1deg]
3-670-021	DEMS:Settting	deltaP_Upp Threshold_p_2	ENG*	[0 to 180 / 17 / 0.1deg]
3-670-022	DEMS:Settting	deltaP_Upp Threshold_p_3	ENG*	[0 to 180 / 39 / 0.1deg]
3-670-023	DEMS:Settting	deltaP_Upp Threshold_d_1	ENG*	[0 to 180 / 33 / 0.1deg]
3-670-024	DEMS:Settting	deltaP_Upp Threshold_d_2	ENG*	[0 to 180 / 20 / 0.1deg]
3-670-025	DEMS:Settting	deltaP_Upp Threshold_d_3	ENG*	[0 to 180 / 20 / 0.1deg]
3-670-031	DEMS:Settting	Interval:BW	ENG*	[0 to 100000 / 20000 / 1pages]
3-670-032	DEMS:Settting	Interval:FC	ENG*	[0 to 100000 / 20000 / 1pages]
3-670-041	DEMS:Settting	Page Cnt:BW	ENG*	[0 to 100000 / 0 / 1pages]
3-670-042	DEMS:Settting	Page Cnt:FC	ENG*	[0 to 100000 / 0 / 1pages]
3-671-001	Vc:Coef:Settting	Scp[K]	ENG*	[0 to 2.55 / 1.01 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-671-002	Vc:Coef:Setting	Scp[C]	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-003	Vc:Coef:Setting	Scp[M]	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-004	Vc:Coef:Setting	Scp[Y]	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-011	Vc:Coef:Setting	Kcp1	ENG*	[0 to 2.55 / 0.98 / 0.01]
3-671-012	Vc:Coef:Setting	Kcp2	ENG*	[0 to 2.55 / 0.98 / 0.01]
3-671-051	Vc:Coef:Setting	Scd[K]	ENG*	[0 to 2.55 / 1.06 / 0.01]
3-671-052	Vc:Coef:Setting	Scd[C]	ENG*	[0 to 2.55 / 1.06 / 0.01]
3-671-053	Vc:Coef:Setting	Scd[M]	ENG*	[0 to 2.55 / 1.06 / 0.01]
3-671-054	Vc:Coef:Setting	Scd[Y]	ENG*	[0 to 2.55 / 1.06 / 0.01]
3-671-061	Vc:Coef:Setting	Kcd1	ENG*	[0 to 2.55 / 0.94 / 0.01]
3-671-062	Vc:Coef:Setting	Kcd2	ENG*	[0 to 2.55 / 1.22 / 0.01]
3-671-071	Vc:Coef:Setting	tadj_c:K	ENG*	[-0.5 to 0.5 / 0 / 0.001s]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-671-072	Vc:Coef:Setting	tadj_c:C	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-671-073	Vc:Coef:Setting	tadj_c:M	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-671-074	Vc:Coef:Setting	tadj_c:Y	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-671-081	Vc:Coef:Setting	MaxPot:Slope:K	ENG*	[0 to 1 / 0.53 / 0.01]
3-671-082	Vc:Coef:Setting	MaxPot:Slope:C	ENG*	[0 to 1 / 0.58 / 0.01]
3-671-083	Vc:Coef:Setting	MaxPot:Slope:M	ENG*	[0 to 1 / 0.58 / 0.01]
3-671-084	Vc:Coef:Setting	MaxPot:Slope:Y	ENG*	[0 to 1 / 0.58 / 0.01]
3-671-091	Vc:Coef:Setting	MaxPot:Intercept:K	ENG*	[-255 to 255 / 44 / 1V]
3-671-092	Vc:Coef:Setting	MaxPot:Intercept:C	ENG*	[-255 to 255 / -53 / 1V]
3-671-093	Vc:Coef:Setting	MaxPot:Intercept:M	ENG*	[-255 to 255 / -53 / 1V]
3-671-094	Vc:Coef:Setting	MaxPot:Intercept:Y	ENG*	[-255 to 255 / -53 / 1V]
3-671-111	Vc:Coef:Setting	Scp[2]:K	ENG*	[0 to 2.55 / 1.01 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-671-112	Vc:Coef:Setting	Scp[2]:C	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-113	Vc:Coef:Setting	Scp[2]:M	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-114	Vc:Coef:Setting	Scp[2]:Y	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-121	Vc:Coef:Setting	Scp[3]:K	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-122	Vc:Coef:Setting	Scp[3]:C	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-123	Vc:Coef:Setting	Scp[3]:M	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-124	Vc:Coef:Setting	Scp[3]:Y	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-671-151	Vc:Coef:Setting	Scd[2]:K	ENG*	[0 to 2.55 / 1.2 / 0.01]
3-671-152	Vc:Coef:Setting	Scd[2]:C	ENG*	[0 to 2.55 / 1.2 / 0.01]
3-671-153	Vc:Coef:Setting	Scd[2]:M	ENG*	[0 to 2.55 / 1.2 / 0.01]
3-671-154	Vc:Coef:Setting	Scd[2]:Y	ENG*	[0 to 2.55 / 1.2 / 0.01]
3-671-161	Vc:Coef:Setting	Scd[3]:K	ENG*	[0 to 2.55 / 1.38 / 0.01]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-671-162	Vc:Coef:Setting	Scd[3]:C	ENG*	[0 to 2.55 / 1.38 / 0.01]
3-671-163	Vc:Coef:Setting	Scd[3]:M	ENG*	[0 to 2.55 / 1.38 / 0.01]
3-671-164	Vc:Coef:Setting	Scd[3]:Y	ENG*	[0 to 2.55 / 1.38 / 0.01]
3-672-001	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Corrected	ENG*	[0 to 2.55 / 1 / 0.01]
3-672-002	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 1	ENG*	[0 to 2.55 / 0.86 / 0.01]
3-672-003	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 2	ENG*	[0 to 2.55 / 0.9 / 0.01]
3-672-004	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 3	ENG*	[0 to 2.55 / 0.94 / 0.01]
3-672-011	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 4	ENG*	[0 to 2.55 / 0.98 / 0.01]
3-672-012	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 5	ENG*	[0 to 2.55 / 1 / 0.01]
3-672-013	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Coef 6	ENG*	[0 to 2.55 / 1 / 0.01]
3-672-014	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Distance 1	ENG*	[0 to 255 / 2 / 1km]
3-672-021	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Distance 2	ENG*	[0 to 255 / 4 / 1km]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-672-022	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Distance 3	ENG*	[0 to 255 / 6 / 1km]
3-672-023	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Distance 4	ENG*	[0 to 255 / 8 / 1km]
3-672-024	BkDensCorr/DevRefresh/VtShift	Bk Density Correct : Distance 5	ENG*	[0 to 255 / 10 / 1km]
3-672-051	BkDensCorr/DevRefresh/VtShift	Dev pool refresh : Pattern Times	ENG*	[0 to 255 / 15 / 1page]
3-673-001	PTR Cleaning Pattern	Normal Wormup ON/OFF	ENG*	[0 to 1 / * / 1] *MP C6503: 0 *MP C8003: 0 *Pro C5200S: 1 *Pro C5210S: 1 0: OFF 1: ON
3-673-002	PTR Cleaning Pattern	WormupFromAbnormal ON/OFF	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-673-003	PTR Cleaning Pattern	WormupFromAbnormal ON/OFF	ENG*	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-673-004	PTR Cleaning Pattern	Execute Flug	ENG*	[0 to 2 / 0 / 1]
3-673-011	PTR Cleaning Pattern	Pattern density(1C)	ENG*	[0 to 15 / 15 / 1]
3-673-012	PTR Cleaning Pattern	Pattern Length(1C)	ENG*	[0 to 255 / 20 / 1mm]
3-673-013	PTR Cleaning Pattern	Pattern Length(4C)	ENG*	[0 to 255 / 75 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-673-014	PTR Cleaning Pattern	NoLoad Running Time	ENG*	[0 to 2.55 / 0.05 / 0.01sec]
3-673-021	PTR Cleaning Pattern	PTR Current(1C)	ENG*	[0 to 1 / 1 / 1]
3-673-022	PTR Cleaning Pattern	PTR Current(4C)	ENG*	[0 to 1 / 1 / 1]
3-674-001	Vc:Phase:Disp	OPC:Pcp[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-002	Vc:Phase:Disp	OPC:Pcp[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-003	Vc:Phase:Disp	OPC:Pcp[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-004	Vc:Phase:Disp	OPC:Pcp[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-011	Vc:Phase:Disp	OPC:Pcp[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-012	Vc:Phase:Disp	OPC:Pcp[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-013	Vc:Phase:Disp	OPC:Pcp[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-014	Vc:Phase:Disp	OPC:Pcp[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-021	Vc:Phase:Disp	OPC:Pcp[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-674-022	Vc:Phase:Disp	OPC:Pcp[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-023	Vc:Phase:Disp	OPC:Pcp[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-024	Vc:Phase:Disp	OPC:Pcp[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-051	Vc:Phase:Disp	DEV:Pcd[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-052	Vc:Phase:Disp	DEV:Pcd[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-053	Vc:Phase:Disp	DEV:Pcd[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-054	Vc:Phase:Disp	DEV:Pcd[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-061	Vc:Phase:Disp	DEV:Pcd[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-062	Vc:Phase:Disp	DEV:Pcd[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-063	Vc:Phase:Disp	DEV:Pcd[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-064	Vc:Phase:Disp	DEV:Pcd[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-071	Vc:Phase:Disp	DEV:Pcd[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-674-072	Vc:Phase:Disp	DEV:Pcd[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-073	Vc:Phase:Disp	DEV:Pcd[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-074	Vc:Phase:Disp	DEV:Pcd[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-101	Vc:Phase:Disp	deltaPcp[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-102	Vc:Phase:Disp	deltaPcp[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-103	Vc:Phase:Disp	deltaPcp[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-104	Vc:Phase:Disp	deltaPcp[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-111	Vc:Phase:Disp	deltaPcp[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-112	Vc:Phase:Disp	deltaPcp[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-113	Vc:Phase:Disp	deltaPcp[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-114	Vc:Phase:Disp	deltaPcp[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-121	Vc:Phase:Disp	deltaPcp[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-674-122	Vc:Phase:Disp	deltaPcp[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-123	Vc:Phase:Disp	deltaPcp[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-124	Vc:Phase:Disp	deltaPcp[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-151	Vc:Phase:Disp	deltaPcd[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-152	Vc:Phase:Disp	deltaPcd[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-153	Vc:Phase:Disp	deltaPcd[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-154	Vc:Phase:Disp	deltaPcd[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-161	Vc:Phase:Disp	deltaPcd[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-162	Vc:Phase:Disp	deltaPcd[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-163	Vc:Phase:Disp	deltaPcd[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-164	Vc:Phase:Disp	deltaPcd[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-171	Vc:Phase:Disp	deltaPcd[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-674-172	Vc:Phase:Disp	deltaPcd[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-173	Vc:Phase:Disp	deltaPcd[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-674-174	Vc:Phase:Disp	deltaPcd[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-675-001	Vb:Coef:Setting	Sbp[1]	ENG*	[0 to 2.55 / 1 / 0.01]
3-675-011	Vb:Coef:Setting	Kbp1	ENG*	[0 to 2.55 / 1 / 0.01]
3-675-012	Vb:Coef:Setting	Kbp2	ENG*	[0 to 2.55 / 1 / 0.01]
3-675-051	Vb:Coef:Setting	Sbd[1]	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-675-061	Vb:Coef:Setting	Kbd1	ENG*	[0 to 2.55 / 0.99 / 0.01]
3-675-062	Vb:Coef:Setting	Kbd2	ENG*	[0 to 2.55 / 0.98 / 0.01]
3-675-071	Vb:Coef:Setting	tadj_b:K	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-675-072	Vb:Coef:Setting	tadj_b:C	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-675-073	Vb:Coef:Setting	tadj_b:M	ENG*	[-0.5 to 0.5 / 0 / 0.001s]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-675-074	Vb:Coef:Setting	tadj_b:Y	ENG*	[-0.5 to 0.5 / 0 / 0.001s]
3-675-111	Vb:Coef:Setting	Sbp[2]	ENG*	[0 to 2.55 / 1 / 0.01]
3-675-121	Vb:Coef:Setting	Sbp[3]	ENG*	[0 to 2.55 / 1.01 / 0.01]
3-675-151	Vb:Coef:Setting	Sbd[2]	ENG*	[0 to 2.55 / 1.02 / 0.01]
3-675-161	Vb:Coef:Setting	Sbd[3]	ENG*	[0 to 2.55 / 1.06 / 0.01]
3-678-001	Vb:Phase:Disp	OPC:Pbp[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-002	Vb:Phase:Disp	OPC:Pbp[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-003	Vb:Phase:Disp	OPC:Pbp[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-004	Vb:Phase:Disp	OPC:Pbp[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-011	Vb:Phase:Disp	OPC:Pbp[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-012	Vb:Phase:Disp	OPC:Pbp[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-013	Vb:Phase:Disp	OPC:Pbp[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-678-014	Vb:Phase:Disp	OPC:Pbp[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-021	Vb:Phase:Disp	OPC:Pbp[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-022	Vb:Phase:Disp	OPC:Pbp[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-023	Vb:Phase:Disp	OPC:Pbp[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-024	Vb:Phase:Disp	OPC:Pbp[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-051	Vb:Phase:Disp	DEV:Pbd[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-052	Vb:Phase:Disp	DEV:Pbd[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-053	Vb:Phase:Disp	DEV:Pbd[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-054	Vb:Phase:Disp	DEV:Pbd[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-061	Vb:Phase:Disp	DEV:Pbd[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-062	Vb:Phase:Disp	DEV:Pbd[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-063	Vb:Phase:Disp	DEV:Pbd[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-678-064	Vb:Phase:Disp	DEV:Pbd[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-071	Vb:Phase:Disp	DEV:Pbd[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-072	Vb:Phase:Disp	DEV:Pbd[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-073	Vb:Phase:Disp	DEV:Pbd[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-074	Vb:Phase:Disp	DEV:Pbd[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-101	Vb:Phase:Disp	deltaPbp[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-102	Vb:Phase:Disp	deltaPbp[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-103	Vb:Phase:Disp	deltaPbp[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-104	Vb:Phase:Disp	deltaPbp[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-111	Vb:Phase:Disp	deltaPbp[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-112	Vb:Phase:Disp	deltaPbp[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-113	Vb:Phase:Disp	deltaPbp[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-678-114	Vb:Phase:Disp	deltaPbp[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-121	Vb:Phase:Disp	deltaPbp[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-122	Vb:Phase:Disp	deltaPbp[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-123	Vb:Phase:Disp	deltaPbp[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-124	Vb:Phase:Disp	deltaPbp[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-151	Vb:Phase:Disp	deltaPbd[1]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-152	Vb:Phase:Disp	deltaPbd[1]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-153	Vb:Phase:Disp	deltaPbd[1]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-154	Vb:Phase:Disp	deltaPbd[1]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-161	Vb:Phase:Disp	deltaPbd[2]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-162	Vb:Phase:Disp	deltaPbd[2]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-163	Vb:Phase:Disp	deltaPbd[2]:M	ENG*	[0 to 360 / 0 / 0.1deg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-678-164	Vb:Phase:Disp	deltaPbd[2]:Y	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-171	Vb:Phase:Disp	deltaPbd[3]:K	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-172	Vb:Phase:Disp	deltaPbd[3]:C	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-173	Vb:Phase:Disp	deltaPbd[3]:M	ENG*	[0 to 360 / 0 / 0.1deg]
3-678-174	Vb:Phase:Disp	deltaPbd[3]:Y	ENG*	[0 to 360 / 0 / 0.1deg]

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SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-701-003	Manual New Part Set	#Development Unit:K	ENG*	[0 to 1 / 0 / 1]
3-701-005	Manual New Part Set	Development Filter:K	ENG*	[0 to 1 / 0 / 1]
3-701-008	Manual New Part Set	#Cleaning Unit: K	ENG*	[0 to 1 / 0 / 1]
3-701-009	Manual New Part Set	Cleaning Blade: K	ENG*	[0 to 1 / 0 / 1]
3-701-010	Manual New Part Set	Lubricant Brush: K	ENG*	[0 to 1 / 0 / 1]
3-701-011	Manual New Part Set	Lubricant Bar: K	ENG*	[0 to 1 / 0 / 1]
3-701-012	Manual New Part Set	Lubricant Blade: K	ENG*	[0 to 1 / 0 / 1]
3-701-013	Manual New Part Set	Brash Drive Joint: K	ENG*	[0 to 1 / 0 / 1]
3-701-014	Manual New Part Set	Gears: K	ENG*	[0 to 1 / 0 / 1]
3-701-017	Manual New Part Set	#Charge Roller Unit:K	ENG*	[0 to 1 / 0 / 1]
3-701-021	Manual New Part Set	#PCU:K	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	#Development Unit:C	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026				
3-701-028	Manual New Part Set	Development Filter:C	ENG*	[0 to 1 / 0 / 1]
3-701-031	Manual New Part Set	#Cleaning Unit: C	ENG*	[0 to 1 / 0 / 1]
3-701-032	Manual New Part Set	Cleaning Blade: C	ENG*	[0 to 1 / 0 / 1]
3-701-033	Manual New Part Set	Lubricant Brush: C	ENG*	[0 to 1 / 0 / 1]
3-701-034	Manual New Part Set	Lubricant Bar: C	ENG*	[0 to 1 / 0 / 1]
3-701-035	Manual New Part Set	Lubricant Blade: C	ENG*	[0 to 1 / 0 / 1]
3-701-036	Manual New Part Set	Brash Drive Joint: C	ENG*	[0 to 1 / 0 / 1]
3-701-037	Manual New Part Set	Gears: C	ENG*	[0 to 1 / 0 / 1]
3-701-040	Manual New Part Set	#Charge Roller Unit:C	ENG*	[0 to 1 / 0 / 1]
3-701-044	Manual New Part Set	#PCU:C	ENG*	[0 to 1 / 0 / 1]
3-701-049	Manual New Part Set	#Development Unit:M	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	Development Filter:M	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051				
3-701-054	Manual New Part Set	#Cleaning Unit: M	ENG*	[0 to 1 / 0 / 1]
3-701-055	Manual New Part Set	Cleaning Blade: M	ENG*	[0 to 1 / 0 / 1]
3-701-056	Manual New Part Set	Lubricant Brush: M	ENG*	[0 to 1 / 0 / 1]
3-701-057	Manual New Part Set	Lubricant Bar: M	ENG*	[0 to 1 / 0 / 1]
3-701-058	Manual New Part Set	Lubricant Blade: M	ENG*	[0 to 1 / 0 / 1]
3-701-059	Manual New Part Set	Brash Drive Joint:M	ENG*	[0 to 1 / 0 / 1]
3-701-060	Manual New Part Set	Gears: M	ENG*	[0 to 1 / 0 / 1]
3-701-063	Manual New Part Set	#Charge Roller Unit:M	ENG*	[0 to 1 / 0 / 1]
3-701-067	Manual New Part Set	#PCU:M	ENG*	[0 to 1 / 0 / 1]
3-701-072	Manual New Part Set	#Development Unit:Y	ENG*	[0 to 1 / 0 / 1]
3-701-074	Manual New Part Set	Development Filter:Y	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	#Cleaning Unit: Y	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
077				
3-701-078	Manual New Part Set	Cleaning Blade: Y	ENG*	[0 to 1 / 0 / 1]
3-701-079	Manual New Part Set	Lubricant Brush: Y	ENG*	[0 to 1 / 0 / 1]
3-701-080	Manual New Part Set	Lubricant Bar: Y	ENG*	[0 to 1 / 0 / 1]
3-701-081	Manual New Part Set	Lubricant Blade: Y	ENG*	[0 to 1 / 0 / 1]
3-701-082	Manual New Part Set	Brash Drive Joint:Y	ENG*	[0 to 1 / 0 / 1]
3-701-083	Manual New Part Set	Gears: Y	ENG*	[0 to 1 / 0 / 1]
3-701-086	Manual New Part Set	#Charge Roller Unit:Y	ENG*	[0 to 1 / 0 / 1]
3-701-090	Manual New Part Set	#PCU:Y	ENG*	[0 to 1 / 0 / 1]
3-701-093	Manual New Part Set	#Image Transfer Unit	ENG*	[0 to 1 / 0 / 1]
3-701-094	Manual New Part Set	ITB(Image Transfer Belt)	ENG*	[0 to 1 / 0 / 1]
3-701-095	Manual New Part Set	ITB Roller: K	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	ITB Roller: C	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096				
3-701-097	Manual New Part Set	ITB Roller: M	ENG*	[0 to 1 / 0 / 1]
3-701-098	Manual New Part Set	ITB Roller: Y	ENG*	[0 to 1 / 0 / 1]
3-701-099	Manual New Part Set	ITB Bias Roller	ENG*	[0 to 1 / 0 / 1]
3-701-102	Manual New Part Set	#ITB Cleaning Unit	ENG*	[0 to 1 / 0 / 1]
3-701-103	Manual New Part Set	ITB Cleaning Blade	ENG*	[0 to 1 / 0 / 1]
3-701-104	Manual New Part Set	Lubricant Brush	ENG*	[0 to 1 / 0 / 1]
3-701-105	Manual New Part Set	Lubrication: Belt Cleaning	ENG*	[0 to 1 / 0 / 1]
3-701-106	Manual New Part Set	Lube Application Blade	ENG*	[0 to 1 / 0 / 1]
3-701-109	Manual New Part Set	#Paper Transfer Unit	ENG*	[0 to 1 / 0 / 1]
3-701-110	Manual New Part Set	Blade: ITB	ENG*	[0 to 1 / 0 / 1]
3-701-111	Manual New Part Set	ITB Corr:ON/OFF	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	#Fusing Unit	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
115				
3-701-116	Manual New Part Set	Fusing Belt	ENG*	[0 to 1 / 0 / 1]
3-701-117	Manual New Part Set	Hot Roller	ENG*	[0 to 1 / 0 / 1]
3-701-118	Manual New Part Set	Pressure Roller	ENG*	[0 to 1 / 0 / 1]
3-701-120	Manual New Part Set	Refresh Roller:Fusing	ENG*	[0 to 1 / 0 / 1]
3-701-124	Manual New Part Set	#Fusing Cleaning Unit	ENG*	[0 to 1 / 0 / 1]
3-701-125	Manual New Part Set	Cleaning Web	ENG*	[0 to 1 / 0 / 1]
3-701-126	Manual New Part Set	Web Cleaning Roller	ENG*	[0 to 1 / 0 / 1]
3-701-127	Manual New Part Set	Web Roller Stopper	ENG*	[0 to 1 / 0 / 1]
3-701-130	Manual New Part Set	#Main Unit Filters	ENG*	[0 to 1 / 0 / 1]
3-701-131	Manual New Part Set	Dust Filter:Large	ENG*	[0 to 1 / 0 / 1]
3-701-132	Manual New Part Set	Dust Filter:Small	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	Ozone Filter	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
133				
3-701-134	Manual New Part Set	Deodorant Filter:Large	ENG*	[0 to 1 / 0 / 1]
3-701-135	Manual New Part Set	Deodorant Filter:Small	ENG*	[0 to 1 / 0 / 1]
3-701-140	Manual New Part Set	Filter:UFP:Transfer:Fusing	ENG*	[0 to 1 / 0 / 1]
3-701-141	Manual New Part Set	Filter:UFP:Pressure Roller	ENG*	[0 to 1 / 0 / 1]
3-701-142	Manual New Part Set	Waste Toner Bottle	ENG*	[0 to 1 / 0 / 1]
3-701-143	Manual New Part Set	Filter:UFP:Fusing:Exit	ENG*	[0 to 1 / 0 / 1]
3-701-145	Manual New Part Set	#Tray1 Roller Assembly	ENG*	[0 to 1 / 0 / 1]
3-701-146	Manual New Part Set	Pick-up Roller:Tray1	ENG*	[0 to 1 / 0 / 1]
3-701-147	Manual New Part Set	Feed Roller:Tray 1:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-148	Manual New Part Set	Feed Roller:Tray 1:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-151	Manual New Part Set	#Tray2 Roller Assembly	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	Pick-up Roller:Tray2	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
152				
3-701-153	Manual New Part Set	Feed Roller:Tray 2:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-154	Manual New Part Set	Feed Roller:Tray 2:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-157	Manual New Part Set	#Tray3 Roller Assembly	ENG*	[0 to 1 / 0 / 1]
3-701-158	Manual New Part Set	Pick-up Roller-Tray3	ENG*	[0 to 1 / 0 / 1]
3-701-159	Manual New Part Set	Feed Roller:Tray 3:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-160	Manual New Part Set	Feed Roller:Tray 3:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-163	Manual New Part Set	#Tray4 Roller Assembly	ENG*	[0 to 1 / 0 / 1]
3-701-164	Manual New Part Set	Pick-up Roller-Tray4	ENG*	[0 to 1 / 0 / 1]
3-701-165	Manual New Part Set	Feed Roller:Tray 4:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-166	Manual New Part Set	Feed Roller:Tray 4:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-169	Manual New Part Set	#Feed Roller:Bypass	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	Feed Roller:Bypass:Pick-up	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
170				
3-701-171	Manual New Part Set	Feed Roller:Bypass:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-172	Manual New Part Set	Feed Roller:Bypass:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-175	Manual New Part Set	#Feed Roller:A3LCT	ENG*	[0 to 1 / 0 / 1]
3-701-176	Manual New Part Set	Feed Roller:A3LCT:Pick-up	ENG*	[0 to 1 / 0 / 1]
3-701-177	Manual New Part Set	Feed Roller:A3LCT:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-178	Manual New Part Set	Feed Roller:A3LCT:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-181	Manual New Part Set	#Feed Roller:A4LCT	ENG*	[0 to 1 / 0 / 1]
3-701-182	Manual New Part Set	Feed Roller:A4LCT:Pick-up	ENG*	[0 to 1 / 0 / 1]
3-701-183	Manual New Part Set	Feed Roller:A4LCT:Feeding Roller	ENG*	[0 to 1 / 0 / 1]
3-701-184	Manual New Part Set	Feed Roller:A4LCT:Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-187	Manual New Part Set	#Inserter Feed:Tray 1	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	Inserter:Tray1:Pick-up	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
188				
3-701-189	Manual New Part Set	Inserter:Tray1:Feed Belt	ENG*	[0 to 1 / 0 / 1]
3-701-190	Manual New Part Set	Inserter:Tray1:Separate Roller	ENG*	[0 to 1 / 0 / 1]
3-701-193	Manual New Part Set	#Inserter Feed:Tray 2	ENG*	[0 to 1 / 0 / 1]
3-701-194	Manual New Part Set	Inserter:Tray2:Pick-up	ENG*	[0 to 1 / 0 / 1]
3-701-195	Manual New Part Set	Inserter:Tray2:Feed Belt	ENG*	[0 to 1 / 0 / 1]
3-701-196	Manual New Part Set	Inserter:Tray2:Separate Roller	ENG*	[0 to 1 / 0 / 1]
3-701-199	Manual New Part Set	#Interposer	ENG*	[0 to 1 / 0 / 1]
3-701-200	Manual New Part Set	Feed Belt:Interposer	ENG*	[0 to 1 / 0 / 1]
3-701-201	Manual New Part Set	Separation Roller:Interposer	ENG*	[0 to 1 / 0 / 1]
3-701-202	Manual New Part Set	Pick-up Roller:Interposer	ENG*	[0 to 1 / 0 / 1]
3-701-205	Manual New Part Set	#ADF	ENG*	[0 to 1 / 0 / 1]
3-701-	Manual New Part Set	ADF Feed Belt	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
206				
3-701-207	Manual New Part Set	ADF Separation Roller	ENG*	[0 to 1 / 0 / 1]
3-701-208	Manual New Part Set	ADF Pick-up Roller	ENG*	[0 to 1 / 0 / 1]
3-770-010	DEMS:Settting	Abp[1] Lwr Threshold	ENG*	[0 to 0.01 / 0.003 / 0.00001mg/cm2]
3-770-011	DEMS:Settting	Abd[1] Lwr Threshold	ENG*	[0 to 0.01 / 0.001 / 0.00001mg/cm2]
3-770-012	DEMS:Settting	Abp[2] Lwr Threshold	ENG*	[0 to 0.01 / 0.003 / 0.00001mg/cm2]
3-770-013	DEMS:Settting	Abd[2] Lwr Threshold	ENG*	[0 to 0.01 / 0.001 / 0.00001mg/cm2]
3-770-014	DEMS:Settting	Abp[3] Lwr Threshold	ENG*	[0 to 0.01 / 0.003 / 0.00001mg/cm2]
3-770-015	DEMS:Settting	Abd[3] Lwr Threshold	ENG*	[0 to 0.01 / 0.002 / 0.00001mg/cm2]
3-772-001	Vc:Amp:Disp	OPC:Acp[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-003	Vc:Amp:Disp	OPC:Acp[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-772-011	Vc:Amp:Disp	OPC:Acp[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-	Vc:Amp:Disp	OPC:Acp[2]:MY	ENG*	[0 to 167119350 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
3-772-021	Vc:Amp:Disp	OPC:Acp[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-023	Vc:Amp:Disp	OPC:Acp[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-772-051	Vc:Amp:Disp	DEV:Acd[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-053	Vc:Amp:Disp	DEV:Acd[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-772-061	Vc:Amp:Disp	DEV:Acd[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-063	Vc:Amp:Disp	DEV:Acd[2]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-772-071	Vc:Amp:Disp	DEV:Acd[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-772-073	Vc:Amp:Disp	DEV:Acd[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-773-001	Vc:Amp:Disp	OPC:Acp'[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-003	Vc:Amp:Disp	OPC:Acp'[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-773-011	Vc:Amp:Disp	OPC:Acp'[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-	Vc:Amp:Disp	OPC:Acp'[2]:MY	ENG*	[0 to 167119350 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
3-773-021	Vc:Amp:Disp	OPC:Acp'[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-023	Vc:Amp:Disp	OPC:Acp'[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-773-051	Vc:Amp:Disp	DEV:Ac'd[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-053	Vc:Amp:Disp	DEV:Ac'd[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-773-061	Vc:Amp:Disp	DEV:Ac'd[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-063	Vc:Amp:Disp	DEV:Ac'd[2]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-773-071	Vc:Amp:Disp	DEV:Ac'd[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-773-073	Vc:Amp:Disp	DEV:Ac'd[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-776-001	Vb:Amp:Disp	OPC:Abp[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-003	Vb:Amp:Disp	OPC:Abp[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-776-011	Vb:Amp:Disp	OPC:Abp[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-	Vb:Amp:Disp	OPC:Abp[2]:MY	ENG*	[0 to 167119350 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
3-776-021	Vb:Amp:Disp	OPC:Abp[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-023	Vb:Amp:Disp	OPC:Abp[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-776-051	Vb:Amp:Disp	DEV:Abd[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-053	Vb:Amp:Disp	DEV:Abd[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-776-061	Vb:Amp:Disp	DEV:Abd[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-063	Vb:Amp:Disp	DEV:Abd[2]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-776-071	Vb:Amp:Disp	DEV:Abd[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-776-073	Vb:Amp:Disp	DEV:Abd[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-777-001	Vb:Amp:Disp	OPC:Abp'[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-003	Vb:Amp:Disp	OPC:Abp'[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-777-011	Vb:Amp:Disp	OPC:Abp'[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-	Vb:Amp:Disp	OPC:Abp'[2]:MY	ENG*	[0 to 167119350 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
3-777-021	Vb:Amp:Disp	OPC:Abp'[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-023	Vb:Amp:Disp	OPC:Abp'[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-777-051	Vb:Amp:Disp	DEV:Abd'[1]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-053	Vb:Amp:Disp	DEV:Abd'[1]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-777-061	Vb:Amp:Disp	DEV:Abd'[2]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-063	Vb:Amp:Disp	DEV:Abd'[2]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-777-071	Vb:Amp:Disp	DEV:Abd'[3]:KC	ENG*	[0 to 167119350 / 0 / 1]
3-777-073	Vb:Amp:Disp	DEV:Abd'[3]:MY	ENG*	[0 to 167119350 / 0 / 1]
3-800-001	Waste Toner Full Detection	Condition	ENG*	[0 to 4 / 0 / 1]
3-800-002	Waste Toner Full Detection	Page Count 1 After Near Full	ENG*	[0 to 1000000 / 0 / 1sheet]
3-800-003	Waste Toner Full Detection	Volume Count 1 After Near Full	ENG*	[0 to 10000000 / 0 / 0.1mg]
3-800-	Waste Toner Full Detection	Volume Count 1 After Replacement	ENG*	[0 to 10000000 / 0 / 0.1mg]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
3-800-005	Waste Toner Full Detection	Volume Count 2 After Replacement	ENG*	[0 to 10000000 / 0 / 0.1mg]
3-800-006	Waste Toner Full Detection	Page Count 2 After Near Full	ENG*	[0 to 1000000 / 0 / 1sheet]
3-800-007	Waste Toner Full Detection	Volume Count 2 After Near Full	ENG*	[0 to 10000000 / 0 / 0.1mg]
3-800-011	Waste Toner Full Detection	Threshold : print page : full	ENG*	[0 to 1000000 / * / 1sheet] *MP C6503: 36000 *MP C8003: 36000 *Pro C5200S: 15000 *Pro C5210S: 15000
3-800-012	Waste Toner Full Detection	Threshold : Volume Count : full	ENG*	[0 to 10000000 / 480000 / 0.1mg]
3-800-013	Waste Toner Full Detection	Threshold : Volume Count : empty	ENG*	[0 to 10000000 / 1 / 0.1mg]
3-800-014	Waste Toner Full Detection	Threshold : Remainder days	ENG*	[0 to 255 / * / 1day] *MP C6503: 15 *MP C8003: 15 *Pro C5200S: 29 *Pro C5210S: 29
3-800-021	Waste Toner Full Detection	Solid M/A	ENG*	[0 to 1 / 0.005 / 0.00001mg/mm2]
3-800-022	Waste Toner Full Detection	Background M/A	ENG*	[0 to 1 / 0.00002 / 0.000001mg/mm2]
3-800-023	Waste Toner Full Detection	Percentage of Transfer Ratio	ENG*	[0 to 100 / 81 / 1%]
3-	Waste Toner Full Detection	Date of detection for near full	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
800-024				
3-810-001	Lubricant End Detection	Near End Detection Distance: Thres1:Bk	ENG*	[0 to 999999999 / 0 / 1cm]
3-810-002	Lubricant End Detection	Near End Detection Distance: Thres1:FC	ENG*	[0 to 999999999 / 0 / 1cm]
3-810-003	Lubricant End Detection	End Detection Distance: Thres2:Bk	ENG*	[0 to 999999999 / 1200000 / 1cm]
3-810-004	Lubricant End Detection	End Detection Distance: Thres2:FC	ENG*	[0 to 999999999 / 1200000 / 1cm]
3-810-005	Lubricant End Detection	Conduction Detection Times:Thres3	ENG*	[0 to 9 / 2 / 1]
3-810-011	Lubricant End Detection	Conduction Detection Times Counter:K	ENG*	[0 to 9 / 0 / 1]
3-810-012	Lubricant End Detection	Conduction Detection Times Counter:C	ENG*	[0 to 9 / 0 / 1]
3-810-013	Lubricant End Detection	Conduction Detection Times Counter:M	ENG*	[0 to 9 / 0 / 1]
3-810-014	Lubricant End Detection	Conduction Detection Times Counter:Y	ENG*	[0 to 9 / 0 / 1]
3-810-015	Lubricant End Detection	Near End Distance:K	ENG*	[0 to 999999999 / 0 / 1cm]
3-810-016	Lubricant End Detection	Near End Distance:C	ENG*	[0 to 999999999 / 0 / 1cm]
3-	Lubricant End Detection	Near End Distance:M	ENG*	[0 to 999999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
810-017				1cm]
3-810-018	Lubricant End Detection	Near End Distance:Y	ENG*	[0 to 999999999 / 0 / 1cm]
3-810-021	Lubricant End Detection	Detection Flag:K	ENG*	[0 to 3 / 0 / 1]
3-810-022	Lubricant End Detection	Detection Flag:C	ENG*	[0 to 3 / 0 / 1]
3-810-023	Lubricant End Detection	Detection Flag:M	ENG*	[0 to 3 / 0 / 1]
3-810-024	Lubricant End Detection	Detection Flag:Y	ENG*	[0 to 3 / 0 / 1]
3-810-030	Lubricant End Detection	End Detection Pages: Thres5:Bk	ENG*	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 900000 *Pro C5210S: 900000
3-810-031	Lubricant End Detection	End Detection Pages: Thres5:FC	ENG*	[0 to 99999999 / * / 1] *MP C6503: 600000 *MP C8003: 600000 *Pro C5200S: 900000 *Pro C5210S: 900000
3-810-032	Lubricant End Detection	End Detection Distance: Thres5:Bk	ENG*	[0 to 99999999 / 380000 / 1m]
3-810-033	Lubricant End Detection	End Detection Distance: Thres5:FC	ENG*	[0 to 99999999 / 380000 / 1m]
3-820-	Tnr Refresh Mode	Img Area Thresh:K	ENG*	[0 to 25.5 / * / 0.1%] *MP C6503: 1.5

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				*MP C8003: 1.5 *Pro C5200S: 2.5 *Pro C5210S: 2.5
3-820-002	Tnr Refresh Mode	Img Area Thresh:C	ENG*	[0 to 25.5 / * / 0.1%] *MP C6503: 1.5 *MP C8003: 1.5 *Pro C5200S: 2.5 *Pro C5210S: 2.5
3-820-003	Tnr Refresh Mode	Img Area Thresh:M	ENG*	[0 to 25.5 / * / 0.1%] *MP C6503: 1.5 *MP C8003: 1.5 *Pro C5200S: 2.5 *Pro C5210S: 2.5
3-820-004	Tnr Refresh Mode	Img Area Thresh:Y	ENG*	[0 to 25.5 / * / 0.1%] *MP C6503: 1.5 *MP C8003: 1.5 *Pro C5200S: 2.5 *Pro C5210S: 2.5
3-820-011	Tnr Refresh Mode	K Amount	ENG*	[-50000 to 100000 / 0 / 0.1mm]
3-820-012	Tnr Refresh Mode	C Amount	ENG*	[-50000 to 100000 / 0 / 0.1mm]
3-820-013	Tnr Refresh Mode	M Amount	ENG*	[-50000 to 100000 / 0 / 0.1mm]
3-820-014	Tnr Refresh Mode	Y Amount	ENG*	[-50000 to 100000 / 0 / 0.1mm]
3-820-021	Tnr Refresh Mode	Max Between Pattern	ENG	[0 to 255 / 100 / 1mm]
3-820-022	Tnr Refresh Mode	Max Job End Pattern	ENG	[0 to 1000 / 0 / 1mm]
3-	Tnr Refresh Mode	Between Ptn Start threshold	ENG	[0 to 10000 / 20 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
820-023				1mm]
3-820-024	Tnr Refresh Mode	Job End Ptn Start threshold	ENG	[0 to 10000 / 0 / 1mm]
3-820-025	Tnr Refresh Mode	Paper Interval Adjustment	ENG	[0 to 255 / * / 1mm] *MP C6503: 27 *MP C8003: 27 *Pro C5200S: 30 *Pro C5210S: 30
3-820-031	Tnr Refresh Mode	accumulated refresh length:Lower Limit	ENG*	[-32768 to 0 / -1000 / 1mm]
3-820-032	Tnr Refresh Mode	accumulated refresh length:Upper Limit	ENG*	[0 to 999999 / 100000 / 1mm]
3-940-001	Imaging:Accum.DotCoverageDisp	1-K	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-940-002	Imaging:Accum.DotCoverageDisp	1-C	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-940-003	Imaging:Accum.DotCoverageDisp	1-M	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-940-004	Imaging:Accum.DotCoverageDisp	1-Y	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-940-011	Imaging:Accum.DotCoverageDisp	2-K	ENG*	[0 to 4000000000 / 0 / 1counts]
3-940-012	Imaging:Accum.DotCoverageDisp	2-C	ENG*	[0 to 4000000000 / 0 / 1counts]
3-940-013	Imaging:Accum.DotCoverageDisp	2-M	ENG*	[0 to 4000000000 / 0 / 1counts]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-940-014	Imaging:Accum.DotCoverageDisp	2-Y	ENG*	[0 to 4000000000 / 0 / 1counts]
3-941-001	Imag.:Accum.TonerConsumpt:Disp	1-K	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-941-002	Imag.:Accum.TonerConsumpt:Disp	1-C	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-941-003	Imag.:Accum.TonerConsumpt:Disp	1-M	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-941-004	Imag.:Accum.TonerConsumpt:Disp	1-Y	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-941-011	Imag.:Accum.TonerConsumpt:Disp	2-K	ENG*	[0 to 4000000000 / 0 / 1counts]
3-941-012	Imag.:Accum.TonerConsumpt:Disp	2-C	ENG*	[0 to 4000000000 / 0 / 1counts]
3-941-013	Imag.:Accum.TonerConsumpt:Disp	2-M	ENG*	[0 to 4000000000 / 0 / 1counts]
3-941-014	Imag.:Accum.TonerConsumpt:Disp	2-Y	ENG*	[0 to 4000000000 / 0 / 1counts]
3-942-001	Imaging:Accum.PaperArea:Disp	1-K	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-942-002	Imaging:Accum.PaperArea:Disp	1-C	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-942-003	Imaging:Accum.PaperArea:Disp	1-M	ENG*	[0 to 400000000 / 0 / 0.1cm2]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-942-004	Imaging:Accum.PaperArea:Disp	1-Y	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-942-011	Imaging:Accum.PaperArea:Disp	2-K	ENG*	[0 to 4000000000 / 0 / 1counts]
3-942-012	Imaging:Accum.PaperArea:Disp	2-C	ENG*	[0 to 4000000000 / 0 / 1counts]
3-942-013	Imaging:Accum.PaperArea:Disp	2-M	ENG*	[0 to 4000000000 / 0 / 1counts]
3-942-014	Imaging:Accum.PaperArea:Disp	2-Y	ENG*	[0 to 4000000000 / 0 / 1counts]
3-943-001	A4Conversion Print Count: Disp	K	ENG	[0 to 400000000 / 0 / 0.1page]
3-943-002	A4Conversion Print Count: Disp	C	ENG	[0 to 400000000 / 0 / 0.1page]
3-943-003	A4Conversion Print Count: Disp	M	ENG	[0 to 400000000 / 0 / 0.1page]
3-943-004	A4Conversion Print Count: Disp	Y	ENG	[0 to 400000000 / 0 / 0.1page]
3-944-001	Imaging:Total DotCoverageDisp	1-K	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-944-002	Imaging:Total DotCoverageDisp	1-C	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-944-003	Imaging:Total DotCoverageDisp	1-M	ENG*	[0 to 400000000 / 0 / 0.1cm2]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-944-004	Imaging:Total DotCoverageDisp	1-Y	ENG*	[0 to 400000000 / 0 / 0.1cm2]
3-944-011	Imaging:Total DotCoverageDisp	2-K	ENG*	[0 to 4000000000 / 0 / 1counts]
3-944-012	Imaging:Total DotCoverageDisp	2-C	ENG*	[0 to 4000000000 / 0 / 1counts]
3-944-013	Imaging:Total DotCoverageDisp	2-M	ENG*	[0 to 4000000000 / 0 / 1counts]
3-944-014	Imaging:Total DotCoverageDisp	2-Y	ENG*	[0 to 4000000000 / 0 / 1counts]
3-945-001	Imag.:Total TonerConsumpt:Disp	1-K	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-945-002	Imag.:Total TonerConsumpt:Disp	1-C	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-945-003	Imag.:Total TonerConsumpt:Disp	1-M	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-945-004	Imag.:Total TonerConsumpt:Disp	1-Y	ENG*	[0 to 400000000 / 0 / 0.1mg]
3-945-011	Imag.:Total TonerConsumpt:Disp	2-K	ENG*	[0 to 4000000000 / 0 / 1counts]
3-945-012	Imag.:Total TonerConsumpt:Disp	2-C	ENG*	[0 to 4000000000 / 0 / 1counts]
3-945-013	Imag.:Total TonerConsumpt:Disp	2-M	ENG*	[0 to 4000000000 / 0 / 1counts]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-945-014	Imag.:Total TonerConsumpt:Disp	2-Y	ENG*	[0 to 4000000000 / 0 / 1counts]
3-946-001	Imaging:Stop Imag. Count: Disp	BW	ENG*	[0 to 4000000000 / 0 / 1counts]
3-946-002	Imaging:Stop Imag. Count: Disp	FC	ENG*	[0 to 4000000000 / 0 / 1counts]
3-947-001	Clear Imaging Coverage SP		ENG	[0 to 1 / 0 / 1]
3-948-001	Switch Color Mode Count: Disp	BW to FC	ENG*	[0 to 4000000000 / 0 / 1counts]
3-948-002	Switch Color Mode Count: Disp	FC to BW	ENG*	[0 to 4000000000 / 0 / 1counts]

SP Group 4000

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-008-001	Sub Scan Magnification Adj		ENG*	[-1 to 1 / 0 / 0.1%]
4-010-001	Sub Scan Registration Adj		ENG*	[-2 to 2 / 0 / 0.1mm]
4-011-001	Main Scan Reg		ENG*	[-2.5 to 2.5 / 0 / 0.1mm]
4-012-001	Set Scale Mask	Book:Sub LEdge	ENG	[0 to 3 / 1 / 0.1mm]
4-012-002	Set Scale Mask	Book:Sub TEdge	ENG	[0 to 3 / 0 / 0.1mm]
4-012-003	Set Scale Mask	Book:Main:LEdge	ENG	[0 to 3 / 1 / 0.1mm]
4-012-004	Set Scale Mask	Book:Main:TEdge	ENG	[0 to 3 / 0 / 0.1mm]
4-012-005	Set Scale Mask	ADF: Leading Edge	ENG*	[0 to 3 / 0 / 0.1mm]
4-012-007	Set Scale Mask	ADF: Right	ENG*	[0 to 3 / 0 / 0.1mm]
4-012-008	Set Scale Mask	ADF: left	ENG*	[0 to 3 / 0 / 0.1mm]
4-013-001	Scanner Free run	Lamp Off	ENG	[0 to 1 / 0 / 1]
4-013-002	Scanner Free run	Lamp On	ENG	[0 to 1 / 0 / 1]
4-020-001	Dust Check	Dust Detect:On/Off: Front	ENG	[0 to 1 / 0 / 1]
4-020-002	Dust Check	Dust Detect:Lvl: Front	ENG	[0 to 8 / 4 / 1]
4-020-003	Dust Check Lvl	Dust Reject:Lvl: Front	ENG	[0 to 4 / 0 / 1]
4-020-011	DF Dust Check	Dust Detect Level:Rear	ENG	[0 to 1 / 0 / 1]
4-020-012	DF Dust Check	Correction Level:Rear	ENG	[0 to 8 / 4 / 1]
4-201-	LoCPP edge lv:K	600dpi 2bit edge1	ENG	[0 to 15 / 11 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				
4-201-002	LoCPP edge lv:K	600dpi 2bit edge2	ENG	[0 to 15 / 11 / 1]
4-201-003	LoCPP edge lv:K	600dpi 4bit edge1	ENG	[0 to 15 / 11 / 1]
4-201-004	LoCPP edge lv:K	600dpi 4bit edge2	ENG	[0 to 15 / 11 / 1]
4-201-005	LoCPP edge lv:K	600dpi 1bit edge1	ENG	[0 to 15 / 15 / 1]
4-201-006	LoCPP edge lv:K	600dpi 1bit edge2	ENG	[0 to 15 / 15 / 1]
4-201-011	LoCPP edge Off/ON:K	1200dpi1bit edge12	ENG	[0 to 1 / 1 / 1]
4-201-012	LoCPP edge Off/ON:K	1200dpi1bit edge34	ENG	[0 to 1 / 1 / 1]
4-201-013	LoCPP edge lv:K	1200dpi2bit edge12	ENG	[0 to 15 / 15 / 1]
4-201-014	LoCPP edge lv:K	1200dpi2bit edge34	ENG	[0 to 15 / 15 / 1]
4-202-001	LoCPP edge lv:C	600dpi 2bit edge1	ENG	[0 to 15 / 15 / 1]
4-202-002	LoCPP edge lv:C	600dpi 2bit edge2	ENG	[0 to 15 / 15 / 1]
4-202-003	LoCPP edge lv:C	600dpi 4bit edge1	ENG	[0 to 15 / 15 / 1]
4-202-004	LoCPP edge lv:C	600dpi 4bit edge2	ENG	[0 to 15 / 15 / 1]
4-202-005	LoCPP edge lv:C	600dpi 1bit edge1	ENG	[0 to 15 / 15 / 1]
4-202-006	LoCPP edge lv:C	600dpi 1bit edge2	ENG	[0 to 15 / 15 / 1]
4-202-011	LoCPP edge Off/ON:C	1200dpi1bit edge12	ENG	[0 to 1 / 1 / 1]
4-202-012	LoCPP edge Off/ON:C	1200dpi1bit edge34	ENG	[0 to 1 / 1 / 1]
4-202-	LoCPP edge lv:C	1200dpi2bit edge12	ENG	[0 to 15 / 15 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				
4-202-014	LoCPP edge lv:C	1200dpi2bit edge34	ENG	[0 to 15 / 15 / 1]
4-203-001	LoCPP edge lv:M	600dpi 2bit edge1	ENG	[0 to 15 / 15 / 1]
4-203-002	LoCPP edge lv:M	600dpi 2bit edge2	ENG	[0 to 15 / 15 / 1]
4-203-003	LoCPP edge lv:M	600dpi 4bit edge1	ENG	[0 to 15 / 15 / 1]
4-203-004	LoCPP edge lv:M	600dpi 4bit edge2	ENG	[0 to 15 / 15 / 1]
4-203-005	LoCPP edge lv:M	600dpi 1bit edge1	ENG	[0 to 15 / 15 / 1]
4-203-006	LoCPP edge lv:M	600dpi 1bit edge2	ENG	[0 to 15 / 15 / 1]
4-203-011	LoCPP edge Off/ON:M	1200dpi 1bit edge12	ENG	[0 to 1 / 1 / 1]
4-203-012	LoCPP edge Off/ON:M	1200dpi 1bit edge34	ENG	[0 to 1 / 1 / 1]
4-203-013	LoCPP edge lv:M	1200dpi 2bit edge12	ENG	[0 to 15 / 15 / 1]
4-203-014	LoCPP edge lv:M	1200dpi 2bit edge34	ENG	[0 to 15 / 15 / 1]
4-204-001	LoCPP edge lv:Y	600dpi 2bit edge1	ENG	[0 to 15 / 15 / 1]
4-204-002	LoCPP edge lv:Y	600dpi 2bit edge2	ENG	[0 to 15 / 15 / 1]
4-204-003	LoCPP edge lv:Y	600dpi 4bit edge1	ENG	[0 to 15 / 15 / 1]
4-204-004	LoCPP edge lv:Y	600dpi 4bit edge2	ENG	[0 to 15 / 15 / 1]
4-204-005	LoCPP edge lv:Y	600dpi 1bit edge1	ENG	[0 to 15 / 15 / 1]
4-204-006	LoCPP edge lv:Y	600dpi 1bit edge2	ENG	[0 to 15 / 15 / 1]
4-204-	LoCPP edge Off/ON:Y	1200dpi 1bit edge12	ENG	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
011				
4-204-012	LoCPP edge Off/ON:Y	1200dpi 1bit edge34	ENG	[0 to 1 / 1 / 1]
4-204-013	LoCPP edge lv:Y	1200dpi 2bit edge12	ENG	[0 to 15 / 15 / 1]
4-204-014	LoCPP edge lv:Y	1200dpi 2bit edge34	ENG	[0 to 15 / 15 / 1]
4-301-001	Operation Check APS Sensor		ENG	[0 to 255 / 0 / 1]
4-303-001	Min Size for APS		ENG*	[0 to 1 / 0 / 1] 0: No Original 1: A5 SEF
4-305-001	Original Size Detect Setting		ENG*	[0 to 3 / 0 / 1] 0: Normal Detection 1: A4-LEF LT-SEF 2: LT-LEF A4-SEF 3: 8K 16K
4-308-001	Scan Size Detection	Detection ON/OFF	ENG*	[0 to 2 / 1 / 1] 0: OFF 1: ON 2: APS
4-309-001	Scan Size Detect:Setting	Original Density Thresh	ENG*	[0 to 255 / 28 / 1digit]
4-309-002	Scan Size Detect:Setting	Detection Time	ENG*	[20 to 100 / 1200 / 20msec]
4-309-003	Scan Size Detect:Setting	Lamp ON:Delay Time	ENG*	[40 to 200 / 400 / 10msec]
4-309-004	Scan Size Detect:Setting	LED PWM Duty	ENG*	[0 to 100 / 15 / 1]
4-310-001	Scan Size Detect Value	S1:R	ENG	[0 to 255 / 0 / 1digit]
4-310-002	Scan Size Detect Value	S1:G	ENG	[0 to 255 / 0 / 1digit]
4-310-003	Scan Size Detect Value	S1:B	ENG	[0 to 255 / 0 / 1digit]
4-310-004	Scan Size Detect Value	S2:R	ENG	[0 to 255 / 0 / 1digit]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
004				
4-310-005	Scan Size Detect Value	S2:G	ENG	[0 to 255 / 0 / 1digit]
4-310-006	Scan Size Detect Value	S2:B	ENG	[0 to 255 / 0 / 1digit]
4-310-007	Scan Size Detect Value	S3:R	ENG	[0 to 255 / 0 / 1digit]
4-310-008	Scan Size Detect Value	S3:G	ENG	[0 to 255 / 0 / 1digit]
4-310-009	Scan Size Detect Value	S3:B	ENG	[0 to 255 / 0 / 1digit]
4-400-001	Org Edge Mask	Book:Sub LEdge	ENG	[0 to 3 / 0 / 0.1mm]
4-400-002	Org Edge Mask	Book:Sub TEdge	ENG	[0 to 3 / 0 / 0.1mm]
4-400-003	Org Edge Mask	Book:Main:LEdge	ENG	[0 to 3 / 0 / 0.1mm]
4-400-004	Org Edge Mask	Book:Main:Tedge	ENG	[0 to 3 / 0 / 0.1mm]
4-400-005	Org Edge Mask	ADF: Leading Edge	ENG*	[0 to 3 / 0 / 0.1mm]
4-400-007	Org Edge Mask	ADF: Right	ENG*	[0 to 3 / 0 / 0.1mm]
4-400-008	Org Edge Mask	ADF: left	ENG*	[0 to 3 / 0 / 0.1mm]
4-417-001	IPU Test Pattern	Test Pattern	ENG	[0 to 8 / 0 / 1] 0: Scanned image 1: Gradation main scan A 2: Patch 16C 3: Grid pattern A 4: Slant grid pattern B 5: Slant grid pattern C 6: Slant grid pattern D 7: Scanned+Slant Grid C

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
				8: Scanned+Slant Grid D
4-429-001	Select Copy Data Security	Copying	ENG	[0 to 3 / 3 / 1]
4-429-002	Select Copy Data Security	Scanning	ENG	[0 to 3 / 3 / 1]
4-429-003	Select Copy Data Security	Fax Operation	ENG	[0 to 3 / 3 / 1]
4-460-001	Digital AE	Low Limit Value	ENG	[0 to 1023 / 364 / 1]
4-460-002	Digital AE	Background level	ENG*	[512 to 1535 / 932 / 1]
4-501-001	ACC Target Den	Copy:K:Text	ENG*	[0 to 10 / 5 / 1]
4-501-002	ACC Target Den	Copy:C:Text	ENG*	[0 to 10 / 5 / 1]
4-501-003	ACC Target Den	Copy:M:Text	ENG*	[0 to 10 / 5 / 1]
4-501-004	ACC Target Den	Copy:Y:Text	ENG*	[0 to 10 / 5 / 1]
4-501-005	ACC Target Den	Copy:K:Photo	ENG*	[0 to 10 / 5 / 1]
4-501-006	ACC Target Den	Copy:C:Photo	ENG*	[0 to 10 / 5 / 1]
4-501-007	ACC Target Den	Copy:M:Photo	ENG*	[0 to 10 / 5 / 1]
4-501-008	ACC Target Den	Copy:Y:Photo	ENG*	[0 to 10 / 5 / 1]
4-505-001	ACC Cor:Bright	Master:K	ENG*	[-128 to 127 / 0 / 1]
4-505-002	ACC Cor:Bright	Master:C	ENG*	[-128 to 127 / 0 / 1]
4-505-003	ACC Cor:Bright	Master:M	ENG*	[-128 to 127 / 0 / 1]
4-505-004	ACC Cor:Bright	Master:Y	ENG*	[-128 to 127 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-505-005	ACC Cor:Bright	Slave:K	ENG*	[-128 to 127 / 0 / 1]
4-505-006	ACC Cor:Bright	Slave:C	ENG*	[-128 to 127 / 0 / 1]
4-505-007	ACC Cor:Bright	Slave:M	ENG*	[-128 to 127 / 0 / 1]
4-505-008	ACC Cor:Bright	Slave:Y	ENG*	[-128 to 127 / 0 / 1]
4-506-001	ACC Cor:Dark	Master:K	ENG*	[-128 to 127 / 0 / 1]
4-506-002	ACC Cor:Dark	Master:C	ENG*	[-128 to 127 / 0 / 1]
4-506-003	ACC Cor:Dark	Master:M	ENG*	[-128 to 127 / 0 / 1]
4-506-004	ACC Cor:Dark	Master:Y	ENG*	[-128 to 127 / 0 / 1]
4-506-005	ACC Cor:Dark	Slave:K	ENG*	[-128 to 127 / 0 / 1]
4-506-006	ACC Cor:Dark	Slave:C	ENG*	[-128 to 127 / 0 / 1]
4-506-007	ACC Cor:Dark	Slave:M	ENG*	[-128 to 127 / 0 / 1]
4-506-008	ACC Cor:Dark	Slave:Y	ENG*	[-128 to 127 / 0 / 1]
4-540-001	Print Coverage	RY Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-002	Print Coverage	RY Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-003	Print Coverage	RY Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-004	Print Coverage	RY Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-005	Print Coverage	YR Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-006	Print Coverage	YR Phase: R	ENG	[-256 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-540-007	Print Coverage	YR Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-008	Print Coverage	YR Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-009	Print Coverage	YG Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-010	Print Coverage	YG Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-011	Print Coverage	YG Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-012	Print Coverage	YG Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-013	Print Coverage	GY Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-014	Print Coverage	GY Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-015	Print Coverage	GY Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-016	Print Coverage	GY Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-017	Print Coverage	GC Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-018	Print Coverage	GC Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-019	Print Coverage	GC Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-020	Print Coverage	GC Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-021	Print Coverage	CG Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-022	Print Coverage	CG Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-023	Print Coverage	CG Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-024	Print Coverage	CG Phase: B	ENG	[-256 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-540-025	Print Coverage	CB Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-026	Print Coverage	CB Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-027	Print Coverage	CB Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-028	Print Coverage	CB Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-029	Print Coverage	BC Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-030	Print Coverage	BC Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-031	Print Coverage	BC Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-032	Print Coverage	BC Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-033	Print Coverage	BM Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-034	Print Coverage	BM Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-035	Print Coverage	BM Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-036	Print Coverage	BM Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-037	Print Coverage	MB Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-038	Print Coverage	MB Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-039	Print Coverage	MB Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-040	Print Coverage	MB Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-041	Print Coverage	MR Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-042	Print Coverage	MR Phase: R	ENG	[-256 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-540-043	Print Coverage	MR Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-044	Print Coverage	MR Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-045	Print Coverage	RM Phase: Option	ENG	[0 to 255 / 0 / 1]
4-540-046	Print Coverage	RM Phase: R	ENG	[-256 to 255 / 0 / 1]
4-540-047	Print Coverage	RM Phase: G	ENG	[-256 to 255 / 0 / 1]
4-540-048	Print Coverage	RM Phase: B	ENG	[-256 to 255 / 0 / 1]
4-540-049	Print Coverage	WHITE: Option	ENG	[0 to 255 / 0 / 1]
4-540-050	Print Coverage	WHITE:R	ENG	[-256 to 255 / 0 / 1]
4-540-051	Print Coverage	WHITE:G	ENG	[-256 to 255 / 0 / 1]
4-540-052	Print Coverage	WHITE:B	ENG	[-256 to 255 / 0 / 1]
4-540-053	Print Coverage	BLACK: Option	ENG	[0 to 255 / 0 / 1]
4-540-054	Print Coverage	BLACK:R	ENG	[-256 to 255 / 0 / 1]
4-540-055	Print Coverage	BLACK:G	ENG	[-256 to 255 / 0 / 1]
4-540-056	Print Coverage	BLACK:B	ENG	[-256 to 255 / 0 / 1]
4-541-001	Photo Correction	Copied Photo	ENG*	[0 to 1 / 0 / 1]
4-550-005	Scan Apli:Txt/Print	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-550-006	Scan Apli:Txt/Print	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-550-007	Scan Apli:Txt/Print	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-550-008	Scan Apli:Txt/Print	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-550-009	Scan Apli:Txt/Print	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-551-005	Scan Apli:Txt	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-551-006	Scan Apli:Txt	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-551-007	Scan Apli:Txt	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-551-008	Scan Apli:Txt	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-551-009	Scan Apli:Txt	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-552-005	Scan Apli:Txt Dropout	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-552-006	Scan Apli:Txt Dropout	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-552-007	Scan Apli:Txt Dropout	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-552-008	Scan Apli:Txt Dropout	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-552-009	Scan Apli:Txt Dropout	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-553-005	Scan Apli:Txt/Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-553-006	Scan Apli:Txt/Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-553-007	Scan Apli:Txt/Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-553-008	Scan Apli:Txt/Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-553-009	Scan Apli:Txt/Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-554-005	Scan Apli:Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-554-006	Scan Apli:Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-554-007	Scan Apli:Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-554-008	Scan Apli:Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-554-009	Scan Apli:Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-565-005	Scan Apli:GrayScale	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-565-006	Scan Apli:GrayScale	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-565-007	Scan Apli:GrayScale	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-565-008	Scan Apli:GrayScale	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-565-009	Scan Apli:GrayScale	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-570-005	Scan Apli:Col Txt/Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-570-006	Scan Apli:Col Txt/Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-570-007	Scan Apli:Col Txt/Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-570-008	Scan Apli:Col Txt/Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-570-009	Scan Apli:Col Txt/Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-571-005	Scan Apli:Col Gloss Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-571-006	Scan Apli:Col Gloss Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-571-007	Scan Apli:Col Gloss Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-571-008	Scan Apli:Col Gloss Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-571-009	Scan Apli:Col Gloss Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-572-005	Scan Apli:AutoCol	MTF: 0(Off) 1-15 (Weak- Strong)	ENG	[0 to 15 / 8 / 1]
4-572-006	Scan Apli:AutoCol	Smoothing: 0(x1) 1-7 (Weak- Strong)	ENG	[0 to 7 / 4 / 1]
4-572-007	Scan Apli:AutoCol	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-572-008	Scan Apli:AutoCol	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-572-009	Scan Apli:AutoCol	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-580-005	Fax Apli:Txt/Chart	MTF: 0(Off) 1-15 (Weak- Strong)	ENG	[0 to 15 / 8 / 1]
4-580-006	Fax Apli:Txt/Chart	Smoothing: 0(x1) 1-7 (Weak- Strong)	ENG	[0 to 7 / 4 / 1]
4-580-007	Fax Apli:Txt/Chart	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-580-008	Fax Apli:Txt/Chart	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-580-009	Fax Apli:Txt/Chart	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-580-010	Fax Apli:Txt/Chart	Texture Erase: 0	ENG	[0 to 2 / 0 / 1]
4-581-005	Fax Apli:Txt	MTF: 0(Off) 1-15 (Weak- Strong)	ENG	[0 to 15 / 8 / 1]
4-581-006	Fax Apli:Txt	Smoothing: 0(x1) 1-7 (Weak- Strong)	ENG	[0 to 7 / 4 / 1]
4-581-007	Fax Apli:Txt	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-581-008	Fax Apli:Txt	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-581-009	Fax Apli:Txt	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-582-005	Fax Apli:Txt/Photo	MTF: 0(Off) 1-15 (Weak- Strong)	ENG	[0 to 15 / 8 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-582-006	Fax Apli:Txt/Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-582-007	Fax Apli:Txt/Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-582-008	Fax Apli:Txt/Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-582-009	Fax Apli:Txt/Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-582-010	Fax Apli:Txt/Photo	Texture Erase: 0	ENG	[0 to 2 / 0 / 1]
4-583-005	Fax Apli:Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-583-006	Fax Apli:Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-583-007	Fax Apli:Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-583-008	Fax Apli:Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-583-009	Fax Apli:Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-583-010	Fax Apli:Photo	Texture Erase: 0	ENG	[0 to 2 / 0 / 1]
4-584-005	Fax Apli:Original 1	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-584-006	Fax Apli:Original 1	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-584-007	Fax Apli:Original 1	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-584-008	Fax Apli:Original 1	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-584-009	Fax Apli:Original 1	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-585-005	Fax Apli:Original 2	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-585-006	Fax Apli:Original 2	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-585-007	Fax Apli:Original 2	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-585-008	Fax Apli:Original 2	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-585-009	Fax Apli:Original 2	Independent Dot Erase (0)/ 1-7 (Strong)	ENG	[0 to 7 / 0 / 1]
4-600-001	SBU Version Display	SBU_ID	ENG	[0x0000 to 0xFFFF / 0 / 1]
4-609-001	Gray Balance Set: R	Book Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-609-002	Gray Balance Set: R	DF Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-610-001	Gray Balance Set: G	Book Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-610-002	Gray Balance Set: G	DF Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-611-001	Gray Balance Set: B	Book Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-611-002	Gray Balance Set: B	DF Scan	ENG*	[-384 to 255 / -100 / 1digit]
4-646-001	Scan Adjust Error	White level	ENG*	[0 to 65535 / 0 / 1]
4-646-002	Scan Adjust Error	Black level	ENG*	[0 to 65535 / 0 / 1]
4-647-001	Scanner Hard Error	Power-ON	ENG	[0 to 65535 / 0 / 1]
4-688-002	Scan Image Density Adjustment	1-pass DF	ENG*	[80 to 120 / * / 1%] *MP C6503: 103 *MP C8003: 103 *Pro C5200S: 99 *Pro C5210S: 99
4-699-001	SBU Test Pattern Change		ENG	[0 to 255 / 0 / 1]
4-700-001	CIS ID Display		ENG	[0x00 to 0xFF / 0 / 1]
4-712-	CIS GB Adj. Value: R		ENG*	[0 to 2048 / 1023 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1digit]
4-713-001	CIS GB Adj. Value: G		ENG*	[0 to 2048 / 1023 / 1digit]
4-714-001	CIS GB Adj. Value: B		ENG*	[0 to 2048 / 1023 / 1digit]
4-730-001	FROM ADF Factory Setting	CIS Parameter	ENG	[0 to 1 / 0 / 1]
4-730-002	FROM Main Factory Setting	Execution ON/OFF	ENG	[0 to 1 / 0 / 1]
4-730-003	FROM Main Factory Setting	Execution Flag	ENG*	[0 to 1 / 0 / 1]
4-730-004	FROM Data Update		ENG	[0 to 1 / 0 / 1]
4-745-001	CIS Image Level Error Flag		ENG	[0 to 65535 / 0 / 1]
4-746-001	CIS GB Adj Error Flag		ENG	[0 to 7 / 0 / 1]
4-747-001	CIS Hard Error Flag		ENG	[0 to 15 / 0 / 1]
4-796-001	Low Density Color Correction	Front Side	ENG*	[0 to 3 / 0 / 1] 0: OFF 1: WEAK 2: MEDIUM 3: STRONG
4-796-002	Low Density Color Correction	Rear Side	ENG*	[0 to 3 / 0 / 1] 0: OFF 1: WEAK 2: MEDIUM 3: STRONG
4-797-001	Rear Side: Digital AE	Low Limit Setting	ENG	[0 to 1023 / 364 / 1]
4-797-002	Rear Side: Digital AE	Background Erase Level	ENG*	[512 to 1535 / 932 / 1]
4-799-001	CIS TEST Pattern	select	ENG	[0 to 5 / 0 / 1] 0: Scanned Image 1: Fixed Value Pattern

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
				2: EO Fixed Value Pattern 3: Main Scan Gradation 4: Sub Scan Gradation 5: Grid Pattern
4-799-002	CIS TEST Pattern	Even Output Level Setting	ENG	[0 to 1023 / 0 / 1digit]
4-799-003	CIS TEST Pattern	Odd Output Level Setting	ENG	[0 to 1023 / 0 / 1digit]
4-803-001	Home Position Adj Value		ENG*	[-2 to 2 / 0 / 0.1mm]
4-804-001	Home Position Operation		ENG	[0 to 1 / 0 / 1]
4-813-001	ALC Selection	FC	ENG*	[0 to 1 / 1 / 1]
4-813-002	ALC Selection	BW	ENG*	[0 to 1 / 1 / 1]
4-850-001	PWM	Latest	ENG*	[0 to 8416 / 0 / 1digit]
4-850-002	PWM	Factory Setting	ENG*	[0 to 8416 / 0 / 1digit]
4-853-001	Partial LED ON	ON/OFF(Scan)	ENG*	[0 to 1 / 1 / 1]
4-853-002	Partial LED ON	ON/OFF(Size Detection)	ENG*	[0 to 1 / 1 / 1]
4-901-020	Background Erase Setting	Org Density High Light	ENG*	[-128 to 127 / 0 / 1]
4-901-021	Background Erase Setting	Org Density High Medium	ENG*	[-128 to 127 / 0 / 1]
4-901-022	Background Erase Setting	Org Density High Heavy	ENG*	[-128 to 127 / 0 / 1]
4-902-001	Disp ACC Data	R_DATA1	ENG*	[0 to 255 / 0 / 1]
4-902-002	Disp ACC Data	G_DATA1	ENG*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-902-003	Disp ACC Data	B_DATA1	ENG*	[0 to 255 / 0 / 1]
4-902-004	Disp ACC Data	R_DATA2	ENG*	[0 to 255 / 0 / 1]
4-902-005	Disp ACC Data	G_DATA2	ENG*	[0 to 255 / 0 / 1]
4-902-006	Disp ACC Data	B_DATA2	ENG*	[0 to 255 / 0 / 1]
4-903-001	Filter Setting	Ind Dot Erase: Text	ENG*	[0 to 7 / 0 / 1]
4-903-002	Filter Setting	Ind Dot Erase: Generation Copy	ENG*	[0 to 7 / 0 / 1]
4-905-001	Select Gradation Level		ENG*	[0 to 255 / 0 / 1]
4-907-001	Gamma Correction	Stamp Entry	ENG	[0 to 2 / 1 / 1]
4-918-009	Man Gamma Adj		ENG	[0 to 0 / 0 / 0]
4-930-001	Coverage Ctrl: Text	Copy: Full Color 1	ENG	[0 to 400 / 200 / 1]
4-930-002	Coverage Ctrl: Text	Copy: Full Color 2	ENG	[0 to 400 / 200 / 1]
4-930-003	Coverage Ctrl: Text	Copy: Single Color	ENG	[0 to 400 / 100 / 1]
4-930-004	Coverage Ctrl: Text	Copy: Color Conversion	ENG	[0 to 400 / 180 / 1]
4-930-005	Coverage Ctrl: Text	Coverage Ctrl OFF	ENG	[0 to 400 / 400 / 1]
4-931-001	Coverage Ctrl: Photo	Copy: Full Color 1	ENG	[0 to 400 / 240 / 1]
4-931-002	Coverage Ctrl: Photo	Copy: Full Color 2	ENG	[0 to 400 / 260 / 1]
4-931-003	Coverage Ctrl: Photo	Copy: Single Color	ENG	[0 to 400 / 100 / 1]
4-931-004	Coverage Ctrl: Photo	Copy: Color Conversion	ENG	[0 to 400 / 200 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-931-005	Coverage Ctrl: Photo	Coverage Ctrl OFF	ENG	[0 to 400 / 400 / 1]
4-938-001	ACS:Edge Mask	Copy:Sub LEdge	ENG*	[0 to 31 / 10 / 1mm]
4-938-002	ACS:Edge Mask	Copy:Sub TEdge	ENG*	[0 to 31 / 10 / 1mm]
4-938-003	ACS:Edge Mask	Copy:Main LEdge	ENG*	[0 to 31 / 10 / 1mm]
4-938-004	ACS:Edge Mask	Copy:Main TEdge	ENG*	[0 to 31 / 10 / 1mm]
4-938-005	ACS:Edge Mask	Scan:Sub LEdge	ENG*	[0 to 31 / 15 / 1mm]
4-938-006	ACS:Edge Mask	Scan:Sub TEdge	ENG*	[0 to 31 / 15 / 1mm]
4-938-007	ACS:Edge Mask	Scan:Main LEdge	ENG*	[0 to 31 / 15 / 1mm]
4-938-008	ACS:Edge Mask	Scan:Main TEdge	ENG*	[0 to 31 / 15 / 1mm]
4-939-001	ACS:Color Range		ENG*	[-2 to 2 / 0 / 1]
4-954-001	Read/Restore Std	Read New Chart	ENG	[0 to 1 / 0 / 1]
4-954-002	Read/Restore Std	Recall Prev Chart	ENG	[0 to 1 / 0 / 1]
4-954-004	Read/Restore Std	Set Std Chart	ENG	[0 to 1 / 0 / 1]
4-954-005	Restore Test Chart	Chromaticity Rank	ENG*	[0 to 255 / 0 / 1]
4-958-001	Read/Restore Std: Rear	Read New Chart	ENG	[0 to 1 / 0 / 1]
4-958-002	Read/Restore Std: Rear	Recall Prev Chart	ENG	[0 to 1 / 0 / 1]
4-958-004	Read/Restore Std: Rear	Set Std Chart	ENG	[0 to 1 / 0 / 1]
4-958-005	Restore Test Chart: Rear	Chromaticity Rank	ENG*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
4-993-001	High Light Correction	Sensitivity Selection	ENG	[0 to 9 / 4 / 1]
4-993-002	High Light Correction	Range Selection	ENG	[0 to 9 / 4 / 1]
4-994-001	Adj Txt/Photo Recog Level	High Compression PDF	ENG	[0 to 2 / 1 / 1]
4-996-001	White Paper Detection Level		ENG	[0 to 6 / 3 / 1]

SP Group 5000-01

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-009 - 201	Add display language	1-8	CTL*	[0 to 255 / 0 / 1]
5-009 - 202	Add display language	9-16	CTL*	[0 to 255 / 0 / 1]
5-009 - 203	Add display language	17-24	CTL*	[0 to 255 / 0 / 1]
5-009 - 204	Add display language	25-32	CTL*	[0 to 255 / 0 / 1]
5-009 - 205	Add display language	33-40	CTL*	[0 to 255 / 0 / 1]
5-009 - 206	Add display language	41-48	CTL*	[0 to 255 / 0 / 1]
5-009 - 207	Add display language	49-56	CTL*	[0 to 255 / 0 / 1]
5-024 - 001	mm/inch Display Selection	0:mm 1:inch	CTL*	[0 to 1 / 0 / 1] 0: mm 1: inch
5-037	Status Lamp Mode		CTL*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 001				
5- 045 - 001	Accounting counter	Counter Method	CTL*	[0 to 7 / 0 / 1] 0: Developments 1: Prints 2: Coverage 7: Coverage (YMC)
5- 047 - 001	Paper Display	Backing Paper	CTL*	[0 to 1 / 0 / 1] 0: OFF 1: ON
5- 051 - 001	TonerRefillDetectionDisplay		CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF
5- 055 - 001	Display IP address		CTL*	[0 to 1 / 0 / 1] 0: OFF 1: ON
5- 061 - 001	Toner Remaining Icon Display Change		CTL*	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062 - 003	Part Replacement Alert Display	#Development Unit:K	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062 - 004	Part Replacement Alert Display	Developer:K	CTL	[0 to 1 / 0 / 1]
5- 062 - 005	Part Replacement Alert Display	Developer Filter:K	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	#Cleaning Unit:K	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 008				
5-062 - 009	Part Replacement Alert Display	Cleaning Blade:K	CTL	[0 to 1 / 0 / 1]
5-062 - 010	Part Replacement Alert Display	Brush Roller:K	CTL	[0 to 1 / 0 / 1]
5-062 - 011	Part Replacement Alert Display	Coating Bar:K	CTL	[0 to 1 / 1 / 1]
5-062 - 012	Part Replacement Alert Display	Apply Blade:K	CTL	[0 to 1 / 0 / 1]
5-062 - 013	Part Replacement Alert Display	Joint:Cleaning Unit:K	CTL	[0 to 1 / 0 / 1]
5-062 - 014	Part Replacement Alert Display	Gear:Cleaning:K	CTL	[0 to 1 / 0 / 1]
5-062 - 017	Part Replacement Alert Display	#Charge Roller Unit:K	CTL	[0 to 1 / 0 / 1]
5-062 - 021	Part Replacement Alert Display	#Photo Conductor:K	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	#Development Unit:C	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 026				0: Not display 1: Display
5- 062 - 027	Part Replacement Alert Display	Developer:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 028	Part Replacement Alert Display	Developer Filter:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 031	Part Replacement Alert Display	#Cleaning Unit:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 032	Part Replacement Alert Display	Cleaning Blade:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 033	Part Replacement Alert Display	Brush Roller:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 034	Part Replacement Alert Display	Coating Bar:C	CTL	[0 to 1 / 1 / 1]
5- 062 - 035	Part Replacement Alert Display	Apply Blade:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 036	Part Replacement Alert Display	Joint:Cleaning Unit:C	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	Gear:Cleaning:C	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 037				
5-062 - 040	Part Replacement Alert Display	#Charge Roller Unit:C	CTL	[0 to 1 / 0 / 1]
5-062 - 044	Part Replacement Alert Display	#Photo Conductor:C	CTL	[0 to 1 / 0 / 1]
5-062 - 049	Part Replacement Alert Display	#Development Unit:M	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5-062 - 050	Part Replacement Alert Display	Developer:M	CTL	[0 to 1 / 0 / 1]
5-062 - 051	Part Replacement Alert Display	Developer Filter:M	CTL	[0 to 1 / 0 / 1]
5-062 - 054	Part Replacement Alert Display	#Cleaning Unit:M	CTL	[0 to 1 / 0 / 1]
5-062 - 055	Part Replacement Alert Display	Cleaning Blade:M	CTL	[0 to 1 / 0 / 1]
5-062 - 056	Part Replacement Alert Display	Brush Roller:M	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	Coating Bar:M	CTL	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 057				
5-062 - 058	Part Replacement Alert Display	Apply Blade:M	CTL	[0 to 1 / 0 / 1]
5-062 - 059	Part Replacement Alert Display	Joint:Cleaning Unit:M	CTL	[0 to 1 / 0 / 1]
5-062 - 060	Part Replacement Alert Display	Gear:Cleaning:M	CTL	[0 to 1 / 0 / 1]
5-062 - 063	Part Replacement Alert Display	#Charge Roller Unit:M	CTL	[0 to 1 / 0 / 1]
5-062 - 067	Part Replacement Alert Display	#Photo Conductor:M	CTL	[0 to 1 / 0 / 1]
5-062 - 072	Part Replacement Alert Display	#Development Unit:Y	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5-062 - 073	Part Replacement Alert Display	Developer:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 074	Part Replacement Alert Display	Developer Filter:Y	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	#Cleaning Unit:Y	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 077				
5-062 - 078	Part Replacement Alert Display	Cleaning Blade:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 079	Part Replacement Alert Display	Brush Roller:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 080	Part Replacement Alert Display	Coating Bar:Y	CTL	[0 to 1 / 1 / 1]
5-062 - 081	Part Replacement Alert Display	Apply Blade:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 082	Part Replacement Alert Display	Joint:Cleaning Unit:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 083	Part Replacement Alert Display	Gear:Cleaning:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 086	Part Replacement Alert Display	#Charge Roller Unit:Y	CTL	[0 to 1 / 0 / 1]
5-062 - 090	Part Replacement Alert Display	#Photo Conductor:Y	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	#ITB Unit	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 093				0: Not display 1: Display
5- 062 - 094	Part Replacement Alert Display	ITB (Intermedediate Transfer Belt)	CTL	[0 to 1 / 0 / 1]
5- 062 - 095	Part Replacement Alert Display	Transfer Roller:ITB:K	CTL	[0 to 1 / 0 / 1]
5- 062 - 096	Part Replacement Alert Display	Transfer Roller:ITB:C	CTL	[0 to 1 / 0 / 1]
5- 062 - 097	Part Replacement Alert Display	Transfer Roller:ITB:M	CTL	[0 to 1 / 0 / 1]
5- 062 - 098	Part Replacement Alert Display	Transfer Roller:ITB:Y	CTL	[0 to 1 / 0 / 1]
5- 062 - 099	Part Replacement Alert Display	Paper Transfer:Backup Roller:ITB	CTL	[0 to 1 / 0 / 1]
5- 062 - 102	Part Replacement Alert Display	#ITB Cleaning Unit	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062 - 103	Part Replacement Alert Display	ITB Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-	Part Replacement Alert Display	ITB Lubricant BrushRoller	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062 - 104				
5-062 - 105	Part Replacement Alert Display	ITB Lubricant bar	CTL	[0 to 1 / 0 / 1]
5-062 - 106	Part Replacement Alert Display	ITB Lubricant blade	CTL	[0 to 1 / 0 / 1]
5-062 - 109	Part Replacement Alert Display	#PTR Unit	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5-062 - 110	Part Replacement Alert Display	PTR Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-062 -111	Part Replacement Alert Display	PTR (Paper Transfer Belt Unit)	CTL	[0 to 1 / 0 / 1]
5-062 - 115	Part Replacement Alert Display	#Fusing Unit	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5-062 - 116	Part Replacement Alert Display	Fusing Belt	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5-062 - 117	Part Replacement Alert Display	Hot Roller	CTL	[0 to 1 / 0 / 1]
5-062	Part Replacement Alert Display	Pressure Roller	CTL	[0 to 1 / 0 / 1] 0: Not display

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 118				1: Display
5- 062 - 130	Part Replacement Alert Display	#Filter:Main	CTL	[0 to 1 / 0 / 1]
5- 062 - 131	Part Replacement Alert Display	Dust Filter:Large	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062 - 132	Part Replacement Alert Display	Dust Filter:Small	CTL	[0 to 1 / 0 / 1]
5- 062 - 133	Part Replacement Alert Display	Ozone Filter	CTL	[0 to 1 / 0 / 1]
5- 062 - 134	Part Replacement Alert Display	Deodorant Filter:Large	CTL	[0 to 1 / 0 / 1]
5- 062 - 135	Part Replacement Alert Display	Deodorant Filter:Small	CTL	[0 to 1 / 0 / 1]
5- 062 - 140	Part Replacement Alert Display	UFP Filter (Transfer-Fusing)	CTL	[0 to 1 / 0 / 1]
5- 062 - 141	Part Replacement Alert Display	UFP Filter (Pressure Roller)	CTL	[0 to 1 / 0 / 1]
5- 062	Part Replacement Alert Display	Waste Toner Bottle	CTL	[0 to 1 / 0 / 1] 0: Not display

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 142				1: Display
5- 062 - 143	Part Replacement Alert Display	UFP Filter (Fusing-Exit)	CTL	[0 to 1 / 0 / 1]
5- 062 - 145	Part Replacement Alert Display	#Tray1 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 146	Part Replacement Alert Display	Pick-up Roller:Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 147	Part Replacement Alert Display	Feed Roller:Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 148	Part Replacement Alert Display	Separation Roller:Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 151	Part Replacement Alert Display	#Tray2 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 152	Part Replacement Alert Display	Pick-up Roller:Tray2	CTL	[0 to 1 / 0 / 1]
5- 062 - 153	Part Replacement Alert Display	Feed Roller:Tray2	CTL	[0 to 1 / 0 / 1]
5- 062	Part Replacement Alert Display	Separation Roller:Tray2	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 154				
5- 062 - 157	Part Replacement Alert Display	#Tray3 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 158	Part Replacement Alert Display	Pick-up Roller:Tray3	CTL	[0 to 1 / 0 / 1]
5- 062 - 159	Part Replacement Alert Display	Feed Roller:Tray3	CTL	[0 to 1 / 0 / 1]
5- 062 - 160	Part Replacement Alert Display	Separation Roller:Tray3	CTL	[0 to 1 / 0 / 1]
5- 062 - 163	Part Replacement Alert Display	#Tray4 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 164	Part Replacement Alert Display	Pick-up Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5- 062 - 165	Part Replacement Alert Display	Feed Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5- 062 - 166	Part Replacement Alert Display	Separation Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5- 062	Part Replacement Alert Display	#By-pass Rollers	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 169				
5- 062 - 170	Part Replacement Alert Display	Pick-up Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5- 062 - 171	Part Replacement Alert Display	Feed Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5- 062 - 172	Part Replacement Alert Display	Separation Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5- 062 - 175	Part Replacement Alert Display	#A3_DLT LCT Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 176	Part Replacement Alert Display	Pick-up Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5- 062 - 177	Part Replacement Alert Display	Feed Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5- 062 - 178	Part Replacement Alert Display	Separation Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5- 062 - 181	Part Replacement Alert Display	#A4_LT LCT Rollers	CTL	[0 to 1 / 0 / 1]
5- 062	Part Replacement Alert Display	Pick-up Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 182				
5- 062 - 183	Part Replacement Alert Display	Feed Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]
5- 062 - 184	Part Replacement Alert Display	Separation Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]
5- 062 - 187	Part Replacement Alert Display	#Inserter Tray1 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 188	Part Replacement Alert Display	Pick-up Roller:Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 189	Part Replacement Alert Display	Feed Belt:Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 190	Part Replacement Alert Display	Separation Roller:Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5- 062 - 193	Part Replacement Alert Display	#Inserter Tray2 Rollers	CTL	[0 to 1 / 0 / 1]
5- 062 - 194	Part Replacement Alert Display	Pick-up Roller:Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5- 062	Part Replacement Alert Display	Feed Belt:Inserter Tray2	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 195				
5- 062 - 196	Part Replacement Alert Display	Separation Roller:Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5- 062 - 199	Part Replacement Alert Display	#Interposer	CTL	[0 to 1 / 0 / 1]
5- 062 - 200	Part Replacement Alert Display	Feed Belt:Interposer	CTL	[0 to 1 / 0 / 1]
5- 062 - 201	Part Replacement Alert Display	Separation Roller:Interposer	CTL	[0 to 1 / 0 / 1]
5- 062 - 202	Part Replacement Alert Display	Pick-up Roller:Interposer	CTL	[0 to 1 / 0 / 1]
5- 062 - 205	Part Replacement Alert Display	#ADF	CTL	[0 to 1 / 0 / 1]
5- 062 - 206	Part Replacement Alert Display	Feed Belt:ADF	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062 - 207	Part Replacement Alert Display	Separation Roller:ADF	CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 062	Part Replacement Alert Display	Pick-up Roller:ADF	CTL	[0 to 1 / 0 / 1] 0: Not display

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 208				1: Display
5- 066 - 001	PM Parts Display		CTL	[0 to 1 / 0 / 1] 0: Not display 1: Display
5- 067 - 003	Part Replacement Operation Type	#Development Unit:K	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 004	Part Replacement Operation Type	Developer:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 005	Part Replacement Operation Type	Developer Filter:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 008	Part Replacement Operation Type	#Cleaning Unit:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 009	Part Replacement Operation Type	Cleaning Blade:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 010	Part Replacement Operation Type	Brush Roller:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 011	Part Replacement Operation Type	Coating Bar:K	CTL	[0 to 1 / 0 / 1]
5- 067	Part Replacement Operation Type	Apply Blade:K	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-012				
5-067-013	Part Replacement Operation Type	Joint:Cleaning Unit:K	CTL	[0 to 1 / 0 / 1]
5-067-014	Part Replacement Operation Type	Gear:Cleaning:K	CTL	[0 to 1 / 0 / 1]
5-067-017	Part Replacement Operation Type	#Charge Roller Unit:K	CTL	[0 to 1 / 0 / 1]
5-067-021	Part Replacement Operation Type	#Photo Conductor:K	CTL	[0 to 1 / 0 / 1]
5-067-026	Part Replacement Operation Type	#Development Unit:C	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5-067-027	Part Replacement Operation Type	Developer:C	CTL	[0 to 1 / 0 / 1]
5-067-028	Part Replacement Operation Type	Developer Filter:C	CTL	[0 to 1 / 0 / 1]
5-067-031	Part Replacement Operation Type	#Cleaning Unit:C	CTL	[0 to 1 / 0 / 1]
5-067	Part Replacement Operation Type	Cleaning Blade:C	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 032				
5- 067 - 033	Part Replacement Operation Type	Brush Roller:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 034	Part Replacement Operation Type	Coating Bar:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 035	Part Replacement Operation Type	Apply Blade:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 036	Part Replacement Operation Type	Joint:Cleaning Unit:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 037	Part Replacement Operation Type	Gear:Cleaning:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 040	Part Replacement Operation Type	#Charge Roller Unit:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 044	Part Replacement Operation Type	#Photo Conductor:C	CTL	[0 to 1 / 0 / 1]
5- 067 - 049	Part Replacement Operation Type	#Development Unit:M	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067	Part Replacement Operation Type	Developer:M	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 050				
5- 067 - 051	Part Replacement Operation Type	Developer Filter:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 054	Part Replacement Operation Type	#Cleaning Unit:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 055	Part Replacement Operation Type	Cleaning Blade:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 056	Part Replacement Operation Type	Brush Roller:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 057	Part Replacement Operation Type	Coating Bar:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 058	Part Replacement Operation Type	Apply Blade:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 059	Part Replacement Operation Type	Joint:Cleaning Unit:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 060	Part Replacement Operation Type	Gear:Cleaning:M	CTL	[0 to 1 / 0 / 1]
5- 067	Part Replacement Operation Type	#Charge Roller Unit:M	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 063				
5- 067 - 067	Part Replacement Operation Type	#Photo Conductor:M	CTL	[0 to 1 / 0 / 1]
5- 067 - 072	Part Replacement Operation Type	#Development Unit:Y	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 073	Part Replacement Operation Type	Developer:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 074	Part Replacement Operation Type	Developer Filter:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 077	Part Replacement Operation Type	#Cleaning Unit:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 078	Part Replacement Operation Type	Cleaning Blade:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 079	Part Replacement Operation Type	Brush Roller:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 080	Part Replacement Operation Type	Coating Bar:Y	CTL	[0 to 1 / 0 / 1]
5- 067	Part Replacement Operation Type	Apply Blade:Y	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 081				
5- 067 - 082	Part Replacement Operation Type	Joint:Cleaning Unit:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 083	Part Replacement Operation Type	Gear:Cleaning:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 086	Part Replacement Operation Type	#Charge Roller Unit:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 090	Part Replacement Operation Type	#Photo Conductor:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 093	Part Replacement Operation Type	#ITB Unit	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 094	Part Replacement Operation Type	ITB (Intermedediate Transfer Belt)	CTL	[0 to 1 / 0 / 1]
5- 067 - 095	Part Replacement Operation Type	Transfer Roller:ITB:K	CTL	[0 to 1 / 0 / 1]
5- 067 - 096	Part Replacement Operation Type	Transfer Roller:ITB:C	CTL	[0 to 1 / 0 / 1]
5- 067	Part Replacement Operation Type	Transfer Roller:ITB:M	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 097				
5- 067 - 098	Part Replacement Operation Type	Transfer Roller:ITB:Y	CTL	[0 to 1 / 0 / 1]
5- 067 - 099	Part Replacement Operation Type	Paper Transfer:Backup Roller:ITB	CTL	[0 to 1 / 0 / 1]
5- 067 - 102	Part Replacement Operation Type	#ITB Cleaning Unit	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 103	Part Replacement Operation Type	ITB Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5- 067 - 104	Part Replacement Operation Type	ITB Lubricant BrushRoller	CTL	[0 to 1 / 0 / 1]
5- 067 - 105	Part Replacement Operation Type	ITB Lubricant bar	CTL	[0 to 1 / 0 / 1]
5- 067 - 106	Part Replacement Operation Type	ITB Lubricant blade	CTL	[0 to 1 / 0 / 1]
5- 067 - 109	Part Replacement Operation Type	#PTR Unit	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067	Part Replacement Operation Type	PTR Cleaning Blade	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 110				
5- 067 -111	Part Replacement Operation Type	PTR (Paper Transfer Belt Unit)	CTL	[0 to 1 / 0 / 1]
5- 067 - 115	Part Replacement Operation Type	#Fusing Unit	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 116	Part Replacement Operation Type	Fusing Belt	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 117	Part Replacement Operation Type	Hot Roller	CTL	[0 to 1 / 0 / 1]
5- 067 - 118	Part Replacement Operation Type	Pressure Roller	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 130	Part Replacement Operation Type	#Filter:Main	CTL	[0 to 1 / 0 / 1]
5- 067 - 131	Part Replacement Operation Type	Dust Filter:Large	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5- 067 - 132	Part Replacement Operation Type	Dust Filter:Small	CTL	[0 to 1 / 0 / 1]
5- 067 -	Part Replacement Operation Type	Ozone Filter	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
133				
5-067-134	Part Replacement Operation Type	Deodorant Filter:Large	CTL	[0 to 1 / 0 / 1]
5-067-135	Part Replacement Operation Type	Deodorant Filter:Small	CTL	[0 to 1 / 0 / 1]
5-067-140	Part Replacement Operation Type	UFP Filter (Transfer-Fusing)	CTL	[0 to 1 / 0 / 1]
5-067-141	Part Replacement Operation Type	UFP Filter (Pressure Roller)	CTL	[0 to 1 / 0 / 1]
5-067-142	Part Replacement Operation Type	Waste Toner Bottle	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5-067-143	Part Replacement Operation Type	UFP Filter (Fusing-Exit)	CTL	[0 to 1 / 0 / 1]
5-067-145	Part Replacement Operation Type	#Tray1 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-146	Part Replacement Operation Type	Pick-up Roller:Tray1	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation Type	Feed Roller:Tray1	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
147				
5-067-148	Part Replacement Operation Type	Separation Roller:Tray1	CTL	[0 to 1 / 0 / 1]
5-067-151	Part Replacement Operation Type	#Tray2 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-152	Part Replacement Operation Type	Pick-up Roller:Tray2	CTL	[0 to 1 / 0 / 1]
5-067-153	Part Replacement Operation Type	Feed Roller:Tray2	CTL	[0 to 1 / 0 / 1]
5-067-154	Part Replacement Operation Type	Separation Roller:Tray2	CTL	[0 to 1 / 0 / 1]
5-067-157	Part Replacement Operation Type	#Tray3 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-158	Part Replacement Operation Type	Pick-up Roller:Tray3	CTL	[0 to 1 / 0 / 1]
5-067-159	Part Replacement Operation Type	Feed Roller:Tray3	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation Type	Separation Roller:Tray3	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160				
5-067-163	Part Replacement Operation Type	#Tray4 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-164	Part Replacement Operation Type	Pick-up Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5-067-165	Part Replacement Operation Type	Feed Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5-067-166	Part Replacement Operation Type	Separation Roller:Tray4	CTL	[0 to 1 / 0 / 1]
5-067-169	Part Replacement Operation Type	#By-pass Rollers	CTL	[0 to 1 / 0 / 1]
5-067-170	Part Replacement Operation Type	Pick-up Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5-067-171	Part Replacement Operation Type	Feed Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5-067-172	Part Replacement Operation Type	Separation Roller:By-pass	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation Type	#A3_DLT LCT Rollers	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
175				
5-067-176	Part Replacement Operation Type	Pick-up Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5-067-177	Part Replacement Operation Type	Feed Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5-067-178	Part Replacement Operation Type	Separation Roller:A3_DLT LCT	CTL	[0 to 1 / 0 / 1]
5-067-181	Part Replacement Operation Type	#A4_LT LCT Rollers	CTL	[0 to 1 / 0 / 1]
5-067-182	Part Replacement Operation Type	Pick-up Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]
5-067-183	Part Replacement Operation Type	Feed Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]
5-067-184	Part Replacement Operation Type	Separation Roller:A4_LT LCT	CTL	[0 to 1 / 0 / 1]
5-067-187	Part Replacement Operation Type	#Inserter Tray1 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation Type	Pick-up Roller:Inserter Tray1	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
188				
5-067-189	Part Replacement Operation Type	Feed Belt:Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-067-190	Part Replacement Operation Type	Separation Roller:Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-067-193	Part Replacement Operation Type	#Inserter Tray2 Rollers	CTL	[0 to 1 / 0 / 1]
5-067-194	Part Replacement Operation Type	Pick-up Roller:Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-195	Part Replacement Operation Type	Feed Belt:Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-196	Part Replacement Operation Type	Separation Roller:Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-199	Part Replacement Operation Type	#Interposer	CTL	[0 to 1 / 0 / 1]
5-067-200	Part Replacement Operation Type	Feed Belt:Interposer	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation Type	Separation Roller:Interposer	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
201				
5-067-202	Part Replacement Operation Type	Pick-up Roller:Interposer	CTL	[0 to 1 / 0 / 1]
5-067-205	Part Replacement Operation Type	#ADF	CTL	[0 to 1 / 0 / 1]
5-067-206	Part Replacement Operation Type	Feed Belt:ADF	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5-067-207	Part Replacement Operation Type	Separation Roller:ADF	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5-067-208	Part Replacement Operation Type	Pick-up Roller:ADF	CTL	[0 to 1 / 0 / 1] 0: Service 1: User
5-071-001	Set Bypass Paper Size Display		CTL	[0 to 1 / 0 / 1] 0: Off 1: On
5-073-001	Supply Part Replacement Operation Type	Waste Tonner Bottle	CTL*	[0 to 1 / 0 / 1] 0:No Display 1:Display
5-074-002	Home Key Customization	Login Setting	CTL*	[0 to 255 / 0 / 1]
5-074-	Home Key Customization	Show Home Edit Menu	CTL	[0 to 2 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				
5-074-091	Home Key Customization	Function Setting	CTL*	[0 to 2 / 0 / 1] 0: Function disable 1: SDK application 2: Legacy application (reserved)
5-074-092	Home Key Customization	Product ID	CTL*	[0 to 0xffffffff / 0 / 1]
5-074-093	Home Key Customization	Application Screen ID	CTL*	[0 to 255 / 0 / 1]
5-075-003	USB Keyboard	Display setting	CTL*	[0 to 1 / 0 / 1] 0: Disable 1: Enable
5-081-001	ServiceSP Entry Code Setting		CTL*	[0 to 0 / 0 / 0]
5-083-001	LED Light Switch Setting	Toner Near End	CTL*	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-083-002	LED Light Switch Setting	Waste Toner Near End	CTL*	[0 to 1 / 0 / 1]
5-101-202	Copy Auto Clear Setting	Auto Clear Timer Setting (0:ON 1:OFF)	CTL*	[0 to 1 / 0 / 1]
5-102	AutoDetect	HumanDetectSetting	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 203				
5- 112 - 001	Non-Std. Paper Sel.	(0:OFF 1:ON)	CTL*	[0 to 1 / 0 / 1]
5- 113 - 001	Optional Counter Type	Default Optional Counter Type	CTL*	[0 to 8 / 0 / 1]
5- 113 - 002	Optional Counter Type	External Optional Counter Type	CTL*	[0 to 3 / 0 / 1]
5- 114 - 001	Optional Counter I/F	MF Key Card Extension	CTL*	[0 to 1 / 0 / 1] 0: Not installed 1: Installed (scanning accounting)
5- 118 - 001	Disable Copying		CTL*	[0 to 1 / 0 / 1] 0: Not disabled 1: Disabled
5- 120 - 001	Mode Clear Opt. Counter Removal	0:Yes 1:StandBy 2:No	CTL*	[0 to 2 / 0 / 1] 0: Yes (removed) 1: Standby (installed but not used) 2: No (not removed)
5- 121 - 001	Counter Up Timing	0:Feed 1:Exit	CTL*	[0 to 1 / 0 / 1] 0: Feed 1: Exit
5- 126 - 001	Set F-size Document		ENG	[0 to 2 / 0 / 1] 0: 8 1/2 x13 1: 8 1/4 x13 2: 8 x13
5-	APS Mode		CTL*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127 - 001				0: Not disabled 1: Disabled
5- 128 - 001	Code Mode With Key/Card Option		CTL*	[0 to 1 / 0 / 1]
5- 131 - 001	Paper Size Type Selection		ENG *	[0 to 2 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 2 0: DOM 1: NA 2: EU
5- 135 - 001	LG_Oficio Change		ENG *	[0 to 1 / 0 / 1]
5- 150 - 001	Length Setting	Bypass(0:OFF 1:Long)	CTL	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 162 - 001	App. Switch Method		CTL*	[0 to 1 / 0 / 1] 0: Soft Key Set 1: Hard Key Set
5- 167 - 001	Fax Printing Mode at Optional Counter Off		CTL*	[0 to 1 / 0 / 1] 0: Automatic printing 1: No automatic printing
5- 169 - 001	CE Login		CTL*	[0 to 1 / 0 / 1] 0: Disabled 1: Enabled
5- 185	TCRU: Set Machine		ENG *	[0 to 1 / 0 / 1] 0: OFF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 001				1: ON
5- 186 - 001	RK4		ENG *	[0 to 1 / 0 / 1]
5- 188 - 001	Copy Nv Version		CTL*	[0 to 0 / 0 / 0]
5- 190 - 001	Unit Life Target Change		CTL*	[0 to 1 / 0 / 1]
5- 191 - 001	Mode Set	Power Str Set	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 193 - 001	External Controller Info. Settings		CTL	[0 to 10 / 0 / 1] 0: External Controller is not installed 1: EFI 2: Ratio 3: Egret 4: GJ 5:Creo 6: QX-100 7: Kurofune 8 to 10: Reserved
5- 195 - 001	Limitless SW		CTL*	[0 to 1 / 0 / 1] 0: Productivity Precede 1: Use paper up
5- 196 -	Copier Vendor Mode	90 deg. Rotation	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-196-002	Copier Vendor Mode	Color and Tray Selection	CTL	[0 to 1 / 0 / 1]
5-199-001	Paper Exit After Staple End	Staple(1:Without 2:After 0:Auto)	CTL	[0 to 2 / 0 / 1]
5-199-002	Paper Exit After Staple End	Saddle(1:Without 2:After 0:Auto)	CTL	[0 to 2 / 0 / 1]
5-199-003	Paper Exit After Staple End	Stapless(1:Without 2:After 0:Auto)	CTL	[0 to 2 / 0 / 1]
5-212-003	Page Numbering	Duplex Printout Left/Right Position of Left/Right Facing	CTL*	[-1000 to 1000 / 0 / 0.01mm]
5-212-004	Page Numbering	Duplex Printout Top/Bottom Position of Left/Right Facing	CTL*	[-1000 to 1000 / 0 / 0.01mm]
5-212-018	Page Numbering	Duplex Printout Left/Right Position of Top/Bottom Facing	CTL*	[-1000 to 1000 / 0 / 0.01mm]
5-212-019	Page Numbering	Duplex Printout Top/Bottom Position of Top/Bottom Facing	CTL*	[-1000 to 1000 / 0 / 0.01mm]
5-227-	Page Numbering	Allow Page No. Entry	CTL*	[2 to 9 / 9 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
201				
5-227-202	Page Numbering	Zero Surplus Setting	CTL*	[0 to 1 / 0 / 1] 0:OFF 1:ON
5-302-002	Set Time	Time Difference	CTL*	[-1440 to 1440 / * / 1] *NA: -300 *EU: +60 *AP/CHN/TWN: +480 *KOR: +540
5-305-101	Auto Off Set	Auto Off Limit Set	CTL*	[0 to 1 / 0 / 1]
5-307-001	Daylight Saving Time	Setting	CTL*	[0 to 1 / * / 1] *NA/EU: 1 *AP/CHN/TWN/KOR: 0 0: Disabled 1: Enabled
5-307-003	Daylight Saving Time	Rule Set(Start)	CTL*	[0 to 0xffffffff / * / 1] *NA: 0x11100200 *EU: 0x10500100 *AP: 0x03100000 *CHN/TWN/KOR: 0x00000000
5-307-004	Daylight Saving Time	Rule Set(End)	CTL*	[0 to 0xffffffff / 0 / 1]
5-401-103	Access Control	Default Document ACL	CTL*	[0 to 3 / 0 / 1]
5-401-	Access Control	Authentication Time	CTL*	[0 to 255 / 0 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104				
5-401-162	Access Control	Extend Certification Detail	CTL*	[0 to 0xff / 0 / 1]
5-401-200	Access Control	SDK1 UniqueID	CTL*	[0 to 0xFFFFFFFF / 0 / 1]
5-401-201	Access Control	SDK1 Certification Method	CTL*	[0 to 0xFF / 0 / 1]
5-401-210	Access Control	SDK2 UniqueID	CTL*	[0 to 0xFFFFFFFF / 0 / 1]
5-401-211	Access Control	SDK2 Certification Method	CTL*	[0 to 0xFF / 0 / 1]
5-401-220	Access Control	SDK3 UniqueID	CTL*	[0 to 0xFFFFFFFF / 0 / 1]
5-401-221	Access Control	SDK3 Certification Method	CTL*	[0 to 0xFF / 0 / 1]
5-401-230	Access Control	SDK Certification Device	CTL*	[0 to 0xff / 0 / 1] 0-1: SDK authentication available 0-0: Disable all functions 1-1: SKB Display 1-0: Disable 2-1: Administrator login

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2-0: Disable 3 to 7-0: Reserved (set "0" only)
5-401 - 240	Access Control	Detail Option	CTL*	[0 to 0xff / 0 / 1] 0: Logout confirm option -1: ON, 0: OFF 2 to 1: Auto-logout timer(retry timer) -11: 30sec, 10: 20sec, 01: 10sec, 00: 60sec 3: personal authority / Group authority and operation -1: ON, 0: OFF 4: Skip password entry -1: ON, 0: OFF 5: Set the display of the remaining Frequency -1: ON, 0: OFF 6 to 7: Set the display time -1: ON, 0: OFF
5-402 - 101	Access Control	SDKJ1 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402 - 102	Access Control	SDKJ2 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402 - 103	Access Control	SDKJ3 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402	Access Control	SDKJ4 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 104				
5- 402 - 105	Access Control	SDKJ5 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 106	Access Control	SDKJ6 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 107	Access Control	SDKJ7 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 108	Access Control	SDKJ8 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 109	Access Control	SDKJ9 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 110	Access Control	SDKJ10 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 -111	Access Control	SDKJ11 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 - 112	Access Control	SDKJ12 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5- 402 -	Access Control	SDKJ13 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
113				
5-402-114	Access Control	SDKJ14 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-115	Access Control	SDKJ15 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-116	Access Control	SDKJ16 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-117	Access Control	SDKJ17 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-118	Access Control	SDKJ18 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-119	Access Control	SDKJ19 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-120	Access Control	SDKJ20 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-121	Access Control	SDKJ21 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-	Access Control	SDKJ22 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				
5-402-123	Access Control	SDKJ23 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-124	Access Control	SDKJ24 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-125	Access Control	SDKJ25 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-126	Access Control	SDKJ26 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-127	Access Control	SDKJ27 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-128	Access Control	SDKJ28 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-129	Access Control	SDKJ29 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-130	Access Control	SDKJ30 Limit Setting	CTL*	[0 to 0xFF / 0 / 1]
5-402-	Access Control	SDKJ1 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
141				
5-402-142	Access Control	SDKJ2 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-143	Access Control	SDKJ3 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-144	Access Control	SDKJ4 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-145	Access Control	SDKJ5 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-146	Access Control	SDKJ6 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-147	Access Control	SDKJ7 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-148	Access Control	SDKJ8 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-149	Access Control	SDKJ9 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-	Access Control	SDKJ10 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
150				
5-402-151	Access Control	SDKJ11 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-152	Access Control	SDKJ12 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-153	Access Control	SDKJ13 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-154	Access Control	SDKJ14 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-155	Access Control	SDKJ15 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-156	Access Control	SDKJ16 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-157	Access Control	SDKJ17 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-158	Access Control	SDKJ18 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-	Access Control	SDKJ19 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
159				
5-402-160	Access Control	SDKJ20 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-161	Access Control	SDKJ21 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-162	Access Control	SDKJ22 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-163	Access Control	SDKJ23 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-164	Access Control	SDKJ24 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-165	Access Control	SDKJ25 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-166	Access Control	SDKJ26 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-167	Access Control	SDKJ27 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-	Access Control	SDKJ28 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
168				
5-402-169	Access Control	SDKJ29 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-402-170	Access Control	SDKJ30 ProductID	CTL*	[0 to 0xffffffff / 0 / 1]
5-404-001	User Code Count Clear	User Code Count Clear	CTL	[0 to 0 / 0 / 0]
5-404-101	User Code Count Clear	User Code Count Clear Permit Setting	CTL	[0 to 1 / 0 / 1]
5-411-004	LDAP-Certification	Simplified Authentication	CTL*	[0 to 1 / 1 / 1] 1: On 0: Off
5-411-005	LDAP-Certification	Password Null Not Permit	CTL*	[0 to 1 / 1 / 1] 0: Password NULL not permitted. 1: Password NULL permitted.
5-411-006	LDAP-Certification	Detail Option	CTL*	[0 to 0xff / 0 / 1] 0: OFF 1: ON
5-412-100	Krb-Certification	Encrypt Mode	CTL*	[0 to 0xFF / 0 / 1]
5-413	Lockout Setting	Lockout On/Off	CTL*	[0 to 1 / 0 / 1] 0: Off

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 001				1: On
5- 413 - 002	Lockout Setting	Lockout Threshold	CTL*	[1 to 10 / 5 / 1]
5- 413 - 003	Lockout Setting	Cancelation On/Off	CTL*	[0 to 1 / 0 / 1] 0: Off (no wait time, lockout not cancelled) 1: On (system waits, cancels lockout if correct user ID and password are entered)
5- 413 - 004	Lockout Setting	Cancelation Time	CTL*	[1 to 9999 / 60 / 1min]
5- 414 - 001	Access Mitigation	Mitigation On/Off	CTL*	[0 to 1 / 0 / 1] 0: OFF 1: ON
5- 414 - 002	Access Mitigation	Mitigation Time	CTL*	[0 to 60 / 15 / 1min]
5- 415 - 001	Password Attack	Permissible Number	CTL*	[0 to 100 / 30 / 1]
5- 415 - 002	Password Attack	Detect Time	CTL*	[1 to 10 / 5 / 1]
5- 416 -	Access Information	Access User Max Num	CTL*	[50 to 200 / 200 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-416-002	Access Information	Access Password Max Num	CTL*	[50 to 200 / 200 / 1]
5-416-003	Access Information	Monitor Interval	CTL*	[1 to 10 / 3 / 1]
5-417-001	Access Attack	Access Permissible Number	CTL*	[0 to 500 / 100 / 1]
5-417-002	Access Attack	Attack Detect Time	CTL*	[10 to 30 / 10 / 1sec]
5-417-003	Access Attack	Productivity Fall Waite	CTL*	[0 to 9 / 3 / 1sec]
5-417-004	Access Attack	Attack Max Num	CTL*	[50 to 200 / 200 / 1]
5-420-001	User Authentication	Copy	CTL*	[0 to 1 / 0 / 1] 0: On 1: Off
5-420-002	User Authentication	Color Security Setting	CTL*	[0 to 255 / 0 / 1]
5-420-	User Authentication	DocumentServer	CTL*	[0 to 1 / 0 / 1] 0: On 1: Off

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
5-420-021	User Authentication	Fax	CTL*	[0 to 1 / 0 / 1] 0: On 1: Off
5-420-031	User Authentication	Scanner	CTL*	[0 to 1 / 0 / 1] 0: On 1: Off
5-420-041	User Authentication	Printer	CTL*	[0 to 1 / 0 / 1] 0: On 1: Off
5-420-051	User Authentication	SDK1	CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF
5-420-061	User Authentication	SDK2	CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF
5-420-071	User Authentication	SDK3	CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF
5-420-081	User Authentication	Browser	CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF
5-430-001	Auth Dialog Message Change	Message Change On/Off	CTL*	[0 to 1 / 0 / 1]
5-430-	Auth Dialog Message Change	Message Text Download	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
5-430-003	Auth Dialog Message Change	Message Text ID	CTL	[0 to 0 / 0 / 0]
5-431-010	External Auth User Preset	Tag	CTL*	[0 to 1 / 1 / 1]
5-431-011	External Auth User Preset	Entry	CTL*	[0 to 1 / 1 / 1]
5-431-012	External Auth User Preset	Group	CTL*	[0 to 1 / 1 / 1]
5-431-020	External Auth User Preset	Mail	CTL*	[0 to 1 / 1 / 1]
5-431-030	External Auth User Preset	Fax	CTL*	[0 to 1 / 1 / 1]
5-431-031	External Auth User Preset	FaxSub	CTL*	[0 to 1 / 1 / 1]
5-431-032	External Auth User Preset	Folder	CTL*	[0 to 1 / 1 / 1]
5-431-	External Auth User Preset	ProtectCode	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033				
5-431-034	External Auth User Preset	SmtpAuth	CTL*	[0 to 1 / 1 / 1]
5-431-035	External Auth User Preset	LdapAuth	CTL*	[0 to 1 / 1 / 1]
5-431-036	External Auth User Preset	Smb Ftp Fldr Auth	CTL*	[0 to 1 / 1 / 1]
5-431-037	External Auth User Preset	AcntAcl	CTL*	[0 to 1 / 1 / 1]
5-431-038	External Auth User Preset	DocumentAcl	CTL*	[0 to 1 / 1 / 1]
5-431-040	External Auth User Preset	CertCrypt	CTL*	[0 to 1 / 0 / 1]
5-431-050	External Auth User Preset	UserLimitCount	CTL*	[0 to 1 / 1 / 1]
5-481-001	Authentication Error Code	System Log Disp	CTL*	[0 to 1 / 0 / 1] 0: Off 1: On
5-481-	Authentication Error Code	Panel Disp	CTL*	[0 to 1 / 1 / 1] 1: On 0: Off

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
5-490-001	MF KeyCard	Job Permit Setting	CTL*	[0 to 1 / 0 / 1] 0: Disabled. Cancels operation without a user code. 1: Enabled. Allows operation without a user code.
5-490-002	MF KeyCard	Count Mode Setting	CTL*	[0 to 1 / 0 / 1]
5-491-001	Optional Counter	Detail Option	CTL*	[0 to 0xff / 0 / 1]
5-501-001	PM Alarm	PM Alarm Level	CTL*	[0 to 9999 / 0 / 1] 0: Alarm off 1 to 9999: Alarm goes off when Value (1 to 9999) x 1000 > PM counter
5-504-001	Jam Alarm		CTL*	[0 to 3 / 3 / 1] 0: Z 1: L 2: M 3: H
5-504-002	Jam Alarm	Threshold	CTL	[1 to 99 / 10 / 1]
5-505-001	Error Alarm		CTL*	[0 to 255 / 19 / 1] 0: Alarm Off
5-505	Error Alarm	Threshold	CTL	[1 to 99 / 7 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 002				
5- 507 - 001	Supply/CC Alarm	Paper Supply Alarm	CTL*	[0 to 1 / 0 / 1] 0: OFF 1: ON
5- 507 - 002	Supply/CC Alarm	Staple Supply Alarm	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 507 - 003	Supply/CC Alarm	Toner Supply Alarm	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 507 - 006	Supply/CC Alarm	WasteTonerBottle	CTL*	[0 to 2 / 2 / 1] 0:OFF 1: Supply Call ON 2: CC Call ON
5- 507 - 080	Supply/CC Alarm	Toner Call Timing	CTL*	[0 to 1 / 0 / 1] 0: Toner bottle replacement 1: Less than toner threshold
5- 507 - 081	Supply/CC Alarm	Toner Call Threshold	CTL*	[10 to 90 / 500 / 10%]
5- 507 - 128	Supply/CC Alarm	Interval: Others	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 132	Supply/CC Alarm	Interval: A3	CTL*	[250 to 10000 / 1000 / 1]
5-	Supply/CC Alarm	Interval: A4	CTL*	[250 to 10000 / 1000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
507 - 133				
5- 507 - 134	Supply/CC Alarm	Interval: A5	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 141	Supply/CC Alarm	Interval: B4	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 142	Supply/CC Alarm	Interval: B5	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 160	Supply/CC Alarm	Interval: DLT	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 164	Supply/CC Alarm	Interval: LG	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 166	Supply/CC Alarm	Interval: LT	CTL*	[250 to 10000 / 1000 / 1]
5- 507 - 172	Supply/CC Alarm	Interval: HLT	CTL*	[250 to 10000 / 1000 / 1]
5- 508 - 001	CC Call	Jam Remains	CTL*	[0 to 1 / 1 / 1] 0: Disable 1: Enable
5- 508 - 001	CC Call	Continuous Jams	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
508 - 002				0: Disable 1: Enable
5- 508 - 003	CC Call	Continuous Door Open	CTL*	[0 to 1 / 1 / 1] 0: Disable 1: Enable
5- 508 - 011	CC Call	Jam Detection: Time Length	CTL*	[3 to 30 / 10 / 1]
5- 508 - 012	CC Call	Jam Detection: Continuous Count	CTL*	[2 to 10 / 5 / 1]
5- 508 - 013	CC Call	Door Open: Time Length	CTL*	[3 to 30 / 10 / 1]
5- 513 - 001	PartsAlermlevelCount	Normal	CTL	[1 to 9999 / 300 / 1]
5- 513 - 002	PartsAlermlevelCount	Df	CTL	[1 to 9999 / 300 / 1]
5- 514 - 001	PartsAlermlev	Normal	CTL	[0 to 1 / 1 / 1]
5- 514 - 002	PartsAlermlev	Df	CTL	[0 to 1 / 0 / 1]
5-	SC/Alarm Setting	SC Call	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
515 - 001				0: OFF 1: ON
5- 515 - 002	SC/Alarm Setting	Service Parts Near End Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 003	SC/Alarm Setting	Service Parts End Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 004	SC/Alarm Setting	User Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 006	SC/Alarm Setting	Communication Test Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 007	SC/Alarm Setting	Machine Information Notice	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 008	SC/Alarm Setting	Alarm Notice	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 009	SC/Alarm Setting	Non Genuine Tonner Ararm	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 010	SC/Alarm Setting	Supply Automatic Ordering Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5-	SC/Alarm Setting	Supply Management Report	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
515 - 011		Call		0: OFF 1: ON
5- 515 - 012	SC/Alarm Setting	Jam/Door Open Call	CTL*	[0 to 1 / 1 / 1] 0: OFF 1: ON
5- 515 - 050	SC/Alarm Setting	Timeout:Manual Call	CTL*	[1 to 255 / 5 / 1min]
5- 515 - 051	SC/Alarm Setting	Timeout:Other Call	CTL	[1 to 255 / 10 / 1min]
5- 517 - 001	Get Machine Information	Alarm On/Off Setting	CTL*	[0 to 1 / 1 / 1]
5- 517 - 002	Get Machine Information	Alarm Interval	CTL*	[10 to 255 / 10 / 1]
5- 517 - 021	Get Machine Information	GetCustomPprInfo:RetryInterval	CTL*	[0 to 255 / 10 / 1min]
5- 517 - 061	Get Machine Information	AutoDiscovery Execution Setting	CTL	[0 to 1 / 0 / 1]
5- 517 - 062	Get Machine Information	AutoDiscovery Execution Interval	CTL	[0 to 1 / 0 / 1]
5-	Get Machine Information	AutoDiscovery Execution	CTL	[0 to 6 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
517 - 063		Weekday		
5- 517 - 064	Get Machine Information	AutoDiscovery Execution Hour	CTL	[0 to 23 / 0 / 1]
5- 517 - 065	Get Machine Information	AutoDiscovery Execution Minute	CTL	[0 to 59 / 0 / 1]
5- 517 - 066	Get Machine Information	AutoDiscovery SNMP Community Name	CTL	[0 to 0 / 0 / 0]
5- 610 - 004	Base Gamma Ctrl Pt:Execute	Get Factory Default	ENG	[0 to 1 / 0 / 1]
5- 610 - 005	Base Gamma Ctrl Pt:Execute	Set Factory Default	ENG	[0 to 1 / 0 / 1]
5- 610 - 006	Base Gamma Ctrl Pt:Execute	Restore Orginal Value	ENG	[0 to 1 / 0 / 1]
5- 611 - 001	Toner Color in 2C	B-C	ENG	[0 to 128 / 100 / 1]
5- 611 - 002	Toner Color in 2C	B-M	ENG	[0 to 128 / 100 / 1]
5-	Toner Color in 2C	G-C	ENG	[0 to 128 / 100 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
611 - 003				
5- 611 - 004	Toner Color in 2C	G-Y	ENG	[0 to 128 / 100 / 1]
5- 611 - 005	Toner Color in 2C	R-M	ENG	[0 to 128 / 100 / 1]
5- 611 - 006	Tonner Color in 2C	R-Y	ENG	[0 to 128 / 100 / 1]
5- 618 - 001	Color Mode Display Selection		CTL*	[0 to 1 / 0 / 1] 0: ACS, Color, Black & White, Two Colors, Single colour 1: ACD, Full Color, Black & White
5- 728 - 001	Network Setting	NAT Machine Port1	CTL*	[1 to 65535 / 49101 / 1]
5- 728 - 002	Network Setting	NAT UI Port1	CTL*	[1 to 65535 / 55101 / 1]
5- 728 - 003	Network Setting	NAT Machine Port2	CTL*	[1 to 65535 / 49102 / 1]
5- 728 -	Network Setting	NAT UI Port2	CTL*	[1 to 65535 / 55102 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
5-728-005	Network Setting	NAT Machine Port3	CTL*	[1 to 65535 / 49103 / 1]
5-728-006	Network Setting	NAT UI Port3	CTL*	[1 to 65535 / 55103 / 1]
5-728-007	Network Setting	NAT Machine Port4	CTL*	[1 to 65535 / 49104 / 1]
5-728-008	Network Setting	NAT UI Port4	CTL*	[1 to 65535 / 55104 / 1]
5-728-009	Network Setting	NAT Machine Port5	CTL*	[1 to 65535 / 49105 / 1]
5-728-010	Network Setting	NAT UI Port5	CTL*	[1 to 65535 / 55105 / 1]
5-728-011	Network Setting	NAT Machine Port6	CTL*	[1 to 65535 / 49106 / 1]
5-728-012	Network Setting	NAT UI Port6	CTL*	[1 to 65535 / 55106 / 1]
5-728-	Network Setting	NAT Machine Port7	CTL*	[1 to 65535 / 49107 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
5-728-014	Network Setting	NAT UI Port7	CTL*	[1 to 65535 / 55107 / 1]
5-728-015	Network Setting	NAT Machine Port8	CTL*	[1 to 65535 / 49108 / 1]
5-728-016	Network Setting	NAT UI Port8	CTL*	[1 to 65535 / 55108 / 1]
5-728-017	Network Setting	NAT Machine Port9	CTL*	[1 to 65535 / 49109 / 1]
5-728-018	Network Setting	NAT UI Port9	CTL*	[1 to 65535 / 55109 / 1]
5-728-019	Network Setting	NAT Machine Port10	CTL*	[1 to 65535 / 49110 / 1]
5-728-020	Network Setting	NAT UI Port10	CTL*	[1 to 65535 / 55110 / 1]
5-728-101	Network Setting	PacketCapture	CTL	[0 to 1 / 0 / 1]
5-728-	Network Setting	PacketCapture:mode	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102				
5-728-103	Network Setting	PacketCapture:interface	CTL	[0 to 3 / 0 / 1]
5-728-104	Network Setting	PacketCapture:length	CTL	[54 to 65535 / 128 / 1]
5-728-105	Network Setting	PacketCapture:broadcast	CTL	[0 to 1 / 0 / 1]
5-728-106	Network Setting	PacketCapture:specify port	CTL	[0 to 1 / 0 / 1]
5-728-107	Network Setting	PacketCapture:portnumber	CTL	[0 to 65535 / 0 / 1]
5-728-108	Network Setting	PacketCapture:time	CTL	[0 to 0xffffffff / 0 / 1]
5-730-001	Extended Function Setting	JavaTM Platform setting	CTL*	[0 to 1 / 1 / 1] 0: Disable, 1: Enable
5-730-010	Extended Function Setting	Expiration Prior Alarm Set	CTL*	[0 to 999 / 20 / 1days]
5-731-	Counter Effect	Change Mk1 Cnt(Paper->Combine)	CTL*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-734-001	PDF Setting	PDF/A Fixed	CTL	[0 to 1 / 0 / 1]
5-741-001	Node Authentication Timuout		CTL*	[1 to 255 / 60 / 1sec]
5-745-211	DeemedPowerConsumption	Controller Standby	CTL*	[0 to 9999 / 0 / 1]
5-745-212	DeemedPowerConsumption	STR	CTL*	[0 to 9999 / 0 / 1]
5-745-213	DeemedPowerConsumption	Main Power Off	CTL*	[0 to 9999 / 0 / 1]
5-745-214	DeemedPowerConsumption	Scanning and Printing	CTL*	[0 to 9999 / 0 / 1]
5-745-215	DeemedPowerConsumption	Printing	CTL*	[0 to 9999 / 0 / 1]
5-745-216	DeemedPowerConsumption	Scanning	CTL*	[0 to 9999 / 0 / 1]
5-745-	DeemedPowerConsumption	Engine Standby	CTL*	[0 to 9999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
217				
5-745-218	DeemedPowerConsumption	Low Power Consumption	CTL*	[0 to 9999 / 0 / 1]
5-745-219	DeemedPowerConsumption	Silent condition	CTL*	[0 to 9999 / 0 / 1]
5-745-220	DeemedPowerConsumption	Heater Off	CTL*	[0 to 9999 / 0 / 1]
5-748-101	OpePanel Setting	Op Type Action Setting	CTL	[0 to 255 / 0 / 1] 0: Normal operation panel 1: Smart operation panel
5-748-201	OpePanel Setting	Cheetah Panel Connect Setting	CTL	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-749-001	Import/Export	Export	CTL	[0 to 0 / 0 / 0] Target: System, Printer, Fax, Scanner Option: Unique, Secret Copy config: Encryption, Encryption key (if selected)
5-749-101	Import/Export	Import	CTL	[0 to 0 / 0 / 0] Option: Unique Copy config: Encryption, Encryption key (if selected)
5-751-	Key Event Encryption Setting	Password	CTL	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-752-001	Copy:WebAPI Setting	Copy:FlairAPI Setting	CTL*	[0 to 255 / 0 / 1] bit 0: Start of FlairAPI Server (0: Off, 1: On) bit 1: Access Permission of FlairAPI from outside of the machine (0: Disabled, 1: Enabled) bit 2: Reserved bit 3: Reserved bit 4: Simple UI Function (0: Disabled, 1: Enabled) bit 5: Accessing permission of Simple UI from outside of the machine (0: Disabled, 1: Enabled) bit 6: Reserved bit 7: Reserved
5-755-001	Display Setting	Disp Administrator Password Change Scrn	CTL	[0 to 0 / 0 / 0]
5-755-002	Display Setting	Hide Administrator Password Change Scrn	CTL	[0 to 0 / 0 / 0]
5-758-001	RemoteUI Setting	Authentication	CTL	[0 to 1 / 0 / 1]
5-759-001	Machine Limit Count	Machine Limit Count Setting	CTL	[0 to 1 / 0 / 1]
5-	Machine Limit Count	Full Color Limit Count	CTL	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
759 - 061				
5- 759 - 062	Machine Limit Count	Mono Color Limit Count	CTL	[0 to 99999999 / 0 / 1]
5- 761 - 001	SmartOperationPanel Setting	Restore the default Home screen	CTL	[0 to 255 / 0 / 1]
5- 801 - 001	Memory Clear	All Clear		[0 to 0 / 0 / 0]
5- 801 - 003	Memory Clear	SCS	CTL	[0 to 0 / 0 / 0]
5- 801 - 004	Memory Clear	IMH Memory Clr	CTL	[0 to 0 / 0 / 0]
5- 801 - 005	Memory Clear	MCS	CTL	[0 to 0 / 0 / 0]
5- 801 - 006	Memory Clear	Copier application	CTL	[0 to 0 / 0 / 0]
5- 801 - 007	Memory Clear	Fax Application	CTL	[0 to 0 / 0 / 0]
5-	Memory Clear	Printer Application	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
801 - 008				
5-801 - 009	Memory Clear	Scanner Application	CTL	[0 to 0 / 0 / 0]
5-801 - 010	Memory Clear	Web Service	CTL	[0 to 0 / 0 / 0]
5-801 - 011	Memory Clear	NCS	CTL	[0 to 0 / 0 / 0]
5-801 - 012	Memory Clear	R-FAX	CTL	[0 to 0 / 0 / 0]
5-801 - 014	Memory Clear	Clear DCS Setting	CTL	[0 to 0 / 0 / 0]
5-801 - 015	Memory Clear	Clear UCS Setting	CTL	[0 to 0 / 0 / 0]
5-801 - 016	Memory Clear	MIRS Setting	CTL	[0 to 0 / 0 / 0]
5-801 - 017	Memory Clear	CCS	CTL	[0 to 0 / 0 / 0]
5-	Memory Clear	SRM Memory Clr	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
801 - 018				
5-801 - 019	Memory Clear	LCS	CTL	[0 to 0 / 0 / 0]
5-801 - 020	Clea Memory	Web Uapli	CTL	[0 to 0 / 0 / 0]
5-801 - 021	Memory Clear	ECS	CTL	[0 to 0 / 0 / 0]
5-801 - 023	Memory Clear	AICS	CTL	[0 to 0 / 0 / 0]
5-801 - 025	Clea Memory	websys	CTL	[0 to 0 / 0 / 0]
5-801 - 026	Memory Clear	PLN	CTL	[0 to 0 / 0 / 0]
5-801 - 027	Memory Clear	SAS	CTL	[0 to 0 / 0 / 0]
5-801 - 028	Memory Clear	Rest Webservice	CTL	[0 to 0 / 0 / 0]
5-	SC Reset	Fusing SC Reset	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
810 - 001				
5- 811 - 002	Machine Serial	Display	ENG *	[0 to 255 / 0 / 1]
5- 811 - 004	MachineSerial Set	BCU	ENG	[0 to 255 / 0 / 1]
5- 811 - 021	MachineSerialNo.:UpdateYr/Date	Latest Value	ENG *	[0 to 1 / 0 / 1]
5- 811 - 022	MachineSerialNo.:UpdateYr/Date	Previous Value	ENG *	[0 to 1 / 0 / 1]
5- 811 - 023	Machine Serial No.	Previous Value	ENG *	[0 to 255 / 0 / 1]
5- 811 - 024	MachineSerialNo.:UpdateYr/Date	Latest Value:BCU	ENG *	[0 to 1 / 0 / 1]
5- 811 - 025	MachineSerialNo.:UpdateYr/Date	Previous Value:BCU	ENG *	[0 to 1 / 0 / 1]
5- 811 - 026	Machine Serial No.	Previous Value:BCU	ENG *	[0 to 255 / 0 / 1]
5-	Service Tel. No. Setting	Service	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
812-001				
5-812-002	Service Tel. No. Setting	Facsimile	CTL*	[0 to 0 / 0 / 0]
5-812-003	Service Tel. No. Setting	Supply	CTL*	[0 to 0 / 0 / 0]
5-812-004	Service Tel. No. Setting	Operation	CTL*	[0 to 0 / 0 / 0]
5-816-001	Remote Service	I/F Setting	CTL*	[0 to 2 / 2 / 1] 0: Remote service off 1: CSS remote service on 2: NRS remote service on
5-816-002	Remote Service	CE Call	CTL*	[0 to 1 / 0 / 1] 0: Start of the service 1: End of the service
5-816-003	Remote Service	Function Flag	CTL*	[0 to 1 / 0 / 1] 0: Disabled 1: Enabled
5-816-007	Remote Service	SSL Disable	CTL*	[0 to 1 / 0 / 1] 0: Yes. SSL not used. 1: No. SSL used.
5-816-008	Remote Service	RCG Connect Timeout	CTL*	[1 to 90 / 30 / 1sec]
5-	Remote Service	RCG Write Timeout	CTL*	[0 to 100 / 60 / 1sec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
816 - 009				
5- 816 - 010	Remote Service	RCG Read Timeout	CTL*	[0 to 100 / 60 / 1sec]
5- 816 - 011	Remote Service	Port 80 Enable	CTL*	[0 to 1 / 0 / 1] 0: No. Access denied 1: Yes. Access granted.
5- 816 - 013	Remote Service	RFU Timing	CTL*	[0 to 1 / 1 / 1] 0: Any status of a target machine 1: Sleep or panel off mode only
5- 816 - 014	Remote Service	RCG Error Cause	CTL*	[0 to 2 / 0 / 1] 0: Initial state, normal condition 1: Error
5- 816 - 021	Remote Service	RCG-C Registered	CTL*	[0 to 1 / 0 / 1] 0: Installation not completed 1: Installation completed
5- 816 - 023	Remote Service	Connect Type(N/M/3G)	CTL*	[0 to 2 / 0 / 1] 0: internet connection 1: Dial-up connection
5- 816 - 061	Remote Service	Cert Expire Timing	CTL*	[0 to 0 / 0 / 1] 0: Not use 1: Use
5- 816 - 062	Remote Service	Use Proxy	CTL*	[0 to 1 / 0 / 1] 0: Not use 1: Use

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-816-063	Remote Service	Proxy Host	CTL*	[0 to 0 / 0 / 0]
5-816-064	Remote Service	Proxy PortNumber	CTL*	[0 to 0xffff / 0 / 1]
5-816-065	Remote Service	Proxy User Name	CTL*	[0 to 0 / 0 / 0]
5-816-066	Remote Service	Proxy Password	CTL*	[0 to 0 / 0 / 0]
5-816-067	Remote Service	CERT:Up State	CTL*	[0 to 255 / 0 / 1]
5-816-068	Remote Service	CERT:Error	CTL*	[0 to 255 / 0 / 1]
5-816-069	Remote Service	CERT:Up ID	CTL*	[0 to 0 / 0 / 0]
5-816-083	Remote Service	Firm Up Status	CTL*	[0 to 1 / 0 / 1] 0: Waiting for accepting firm update 1: Waiting for firm update start schedule 2: Waiting for user confirmation 3: In preparation for the

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				machine firm update 4: processing the machine firm update 5: processing the closing operation of the machine firm update
5-816-085	Remote Service	Firm Up User Check	CTL*	[0 to 1 / 0 / 1]
5-816-086	Remote Service	Firmware Size	CTL*	[0 to 0xffffffff / 0 / 1]
5-816-087	Remote Service	CERT:Macro Ver.	CTL	[0 to 0 / 0 / 0]
5-816-088	Remote Service	CERT:PAC Ver.	CTL	[0 to 0 / 0 / 0]
5-816-089	Remote Service	CERT:ID2Code	CTL	[0 to 0 / 0 / 0]
5-816-090	Remote Service	CERT:Subject	CTL	[0 to 0 / 0 / 0]
5-816-091	Remote Service	CERT:SerialNo.	CTL	[0 to 0 / 0 / 0]
5-816	Remote Service	CERT:Issuer	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 092				
5- 816 - 093	Remote Service	CERT:Valid Start	CTL	[0 to 0 / 0 / 0]
5- 816 - 094	Remote Service	CERT:Valid End	CTL	[0 to 0 / 0 / 0]
5- 816 - 102	Remote Service	CERT:Encrypt Level	CTL*	[1 to 2 / 1 / 1]
5- 816 - 103	Remote Service	Client Communication Method	CTL	[0 to 3 / 0 / 1]
5- 816 - 104	Remote Service	Client Communication Limit	CTL	[1 to 7 / 7 / 1]
5- 816 - 115	Remote Service	Network Information Waiting timer	CTL	[5 to 255 / 5 / 1sec]
5- 816 - 150	Remote Service	Selection Country	CTL*	[0 to 10 / 0 / 1] 0: Japan 1: USA 2: Canada 3: UK 4: Germany 5: France 6: Italy 7: Netherlands 8: Belgium

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				9: Luxembourg 10: Spain
5-816-151	Remote Service	Line Type Automatic Judgement	CTL	[0 to 1 / 0 / 1]
5-816-152	Remote Service	Line Type Judgement Result	CTL	[0 to 255 / 0 / 1]
5-816-153	Remote Service	Selection Dial / Push	CTL*	[0 to 2 / 0 / 1] 0: Tone Dialing Phone 1: Pulse Dialing Phone
5-816-154	Remote Service	Outside Line Outgoing Number	CTL*	[0 to 0 / 0 / 0]
5-816-156	Remote Service	Dial Up User Name	CTL*	[0 to 0 / 0 / 0]
5-816-157	Remote Service	Dial Up Password	CTL*	[0 to 0 / 0 / 0]
5-816-161	Remote Service	Local Phone Number	CTL*	[0 to 0 / 0 / 0]
5-816-162	Remote Service	Connection Timing Adjustment Incoming	CTL*	[0 to 24 / 1 / 1]
5-816	Remote Service	Access Point	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 163				
5- 816 - 164	Remote Service	Line Connecting	CTL*	[0 to 1 / 0 / 1] 0: Sharing Fax 1: No Sharing Fax
5- 816 - 173	Remote Service	Modem Serial No.	CTL*	[0 to 0 / 0 / 0]
5- 816 - 174	Remote Service	Retransmission Limit	CTL	[0 to 1 / 0 / 1]
5- 816 - 187	Remote Service	FAX TX Priority	CTL	[0 to 1 / 0 / 1] 0: Disable 1: Enable
5- 816 - 190	Remote Service	3G DongleID	CTL	[0 to 0 / 0 / 0]
5- 816 - 199	Remote Service	ppp Connect Timer	CTL	[15 to 30 / 15 / 1min]
5- 816 - 200	Remote Service	Manual Polling	CTL	[0 to 1 / 0 / 1]
5- 816 - 201	Remote Service	Regist Status	CTL	[0 to 255 / 0 / 1]
5- 816	Remote Service	Letter Number	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
- 202				
5- 816 - 203	Remote Service	Confirm Execute	CTL	[0 to 1 / 0 / 1]
5- 816 - 204	Remote Service	Confirm Result	CTL	[0 to 255 / 0 / 1] 0: Success Inquiry 1: Request number error 3: Communication error (Enabled Proxy) 4: Communication error (Disabled Proxy) 5: Proxy error (failed auth.) 6: Communication error 8: Other error (See SP5-816-208 for detail) 9: Processing inquiry 20: Failed Dial-up auth. 21: Failed answer tone detection 22: Failed career detection 23: Invalid modem value 24: Shortage of electrical current 25: Cable disconnected 26: Line occupied
5- 816 - 205	Remote Service	Confirm Place	CTL	[0 to 1 / 0 / 1] 0: Success registration 1: Request number error 3: Communication error (Enabled Proxy) 4: Communication error (Disabled Proxy)

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				5: Proxy error (failed auth.) 6: Communication error 8: Other error (See SP5-816-208 for detail) 9: Processing registration 20: Failed Dial-up auth. 21: Failed answer tone detection 22: Failed career detection 23: Invalid modem value 24: Shortage of electrical current 25: Cable disconnected 26: Line occupied
5-816-206	Remote Service	Register Execute	CTL	[0 to 1 / 0 / 1]
5-816-207	Remote Service	Register Result	CTL	[0 to 255 / 0 / 1]
5-816-208	Remote Service	Error Code	CTL	[-2147483647 to 2147483647 / 0 / 1]
5-816-209	Remote Service	Instl Clear	CTL	[0 to 1 / 0 / 1]
5-816-240	Remote Service	CommErrorTime	CTL	[0 to 0 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-816-241	Remote Service	CommErrorCode 1	CTL	[0 to 0xffffffff / 0x00000000 / 1]
5-816-242	Remote Service	CommErrorCode 2	CTL	[0 to 0xffffffff / 0x00000000 / 1]
5-816-243	Remote Service	CommErrorCode 3	CTL	[0 to 0xffffffff / 0x00000000 / 1]
5-816-244	Remote Service	CommErrorState 1	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-245	Remote Service	CommErrorState 2	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-246	Remote Service	CommErrorState 3	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-247	Remote Service	SSL Error Count	CTL	[0 to 255 / 0 / 1]
5-816-248	Remote Service	Other Err Count	CTL	[0 to 255 / 0 / 1]
5-816-250	Remote Service	CommLog Print	CTL	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-821-002	Remote Service RCG Setting	RCG IPv4 Address	CTL*	[0 to 0xffffffff / 0 / 1]
5-821-003	Remote Service RCG Setting	RCG Port	CTL*	[0 to 65535 / 443 / 1]
5-821-004	Remote Service RCG Setting	RCG IPv4 URL Path	CTL*	[0 to 0 / 0 / 0]
5-821-005	Remote Service RCG Setting	RCG IPv6 Address	CTL*	[0 to 0 / 0 / 0]
5-821-006	Remote Service RCG Setting	RCG IPv6 URL Path	CTL*	[0 to 0 / 0 / 0]
5-821-007	Remote Service RCG Setting	RCG Host Name	CTL*	[0 to 0 / 0 / 0]
5-821-008	Remote Service RCG Setting	RCG Host URL Path	CTL*	[0 to 0 / 0 / 0]
5-824-001	NV-RAM Data Upload		CTL	[0 to 0 / 0 / 0]
5-825-001	NV-RAM Data Download		CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-828-039	Network Setting	User Class	CTL*	[0 to 0 / 0 / 0]
5-828-040	Network Setting	Class Id	CTL*	[0 to 0 / 0 / 0]
5-828-050	Network Setting	1284 Compatiblity (Centro)	CTL*	[0 to 1 / 1 / 1] 0: Disabled 1: Enabled
5-828-052	Network Setting	ECP (Centro)	CTL*	[0 to 1 / 1 / 1] 0: Disabled 1: Enabled
5-828-065	Network Setting	Job Spooling	CTL*	[0 to 1 / 0 / 1] 0: Disabled 1: Enabled
5-828-066	Network Setting	Job Spooling Clear: Start Time	CTL*	[0 to 1 / 1 / 1] 0: ON (Data is cleared) 1: OFF (Automatically printed)
5-828-069	Network Setting	Job Spooling (Protocol)	CTL*	[0x00 to 0xff / 0x7f / 0] 0: Validates 1: Invalidates bit0: LPR bit1: FTP bit2: IPP bit3: SMB bit4: BMLinkS bit5: DIPRINT bit6: sftp bit7: (Reserved)
5-	Network Setting	Protocol usage	CTL*	[0x00000000 to 0xffffffff]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
828 - 087				/ 0x00000000 / 1] 0: Off (Not used the network with the protocol.) 1: On (Used the network with the protocol once or more.) bit0: IPsec, bit1: IPv6, bit2: IEEE 802. 1X, bit3: Wireless LAN, bit4: Security mode level setting, bit5: Appletalk, bit6: DHCP, bit7: DHCPv6, bit8: telnet, bit9: SSL, bit10: HTTPS, bit11: BMLinkS printing, bit12: diprint printing, bit13: LPR printing, bit14: ftp printing, bit15: rsh printing, bit16: SMB printing, bit17: WSD-Printer, bit18: WSD-Scanner, bit19: Scan to SMB, bit20: Scan to NCP, bit21: Reserve, bit22: Bluetooth, bit23: IEEE 1284, bit24: USB printing, bit25: Dynamic DNS, bit26: Netware printing, bit27: LLTD, bit28: IPP printing, bit29: IPP printing (SSL), bit30: ssh, bit31: sftp
5-	Network Setting	TELNET(0:OFF 1:ON)	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
828 - 090				0: Disable 1: Enable
5- 828 - 091	Network Setting	Web(0:OFF 1:ON)	CTL*	[0 to 1 / 1 / 1] 0: Disable 1: Enable
5- 828 - 145	Network Setting	Active IPv6 Link Local Address	CTL	[0 to 0 / 0 / 0]
5- 828 - 147	Network Setting	Active IPv6 Stateless Address 1	CTL	[0 to 0 / 0 / 0]
5- 828 - 149	Network Setting	Active IPv6 Stateless Address 2	CTL	[0 to 0 / 0 / 0]
5- 828 - 151	Network Setting	Active IPv6 Stateless Address 3	CTL	[0 to 0 / 0 / 0]
5- 828 - 153	Network Setting	Active IPv6 Stateless Address 4	CTL	[0 to 0 / 0 / 0]
5- 828 - 155	Network Setting	Active IPv6 Stateless Address 5	CTL	[0 to 0 / 0 / 0]
5- 828 - 156	Network Setting	IPv6 Manual Address	CTL*	[0 to 0 / 0 / 0]
5-	Network Setting	IPv6 Gateway Address	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
828 - 158				
5- 828 - 161	Network Setting	IPv6 Stateless Auto Setting	CTL*	[0 to 1 / 1 / 1] 0: Disable 1: Enable
5- 828 - 219	Network Setting	IPsec Aggressive Mode Setting	CTL	[0 to 1 / 0 / 1]
5- 828 - 236	Network Setting	Web Item visible	CTL*	[0x0000 to 0xffff / 0xffff / 1] bit0: Net RICOH bit1: Consumable Supplier bit2-15: Reserved (all)
5- 828 - 237	Network Setting	Web shopping link visible	CTL*	[0 to 1 / 1 / 1] 0: Not display 1:Display
5- 828 - 238	Network Setting	Web Supplies Link visible	CTL*	[0 to 1 / 1 / 1] 0: Not display 1: Display
5- 828 - 239	Network Setting	Web Link1 Name	CTL*	[0 to 0 / 0 / 0]
5- 828 - 240	Network Setting	Web Link1 URL	CTL*	[0 to 0 / 0 / 0]
5- 828 -	Network Setting	Web Link1 visible	CTL*	[0 to 1 / 1 / 1] 0: Not display 1: Display

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
241				
5-828-242	Network Setting	Web Link2 Name	CTL*	[0 to 0 / 0 / 0]
5-828-243	Network Setting	Web Link2 URL	CTL*	[0 to 0 / 0 / 0]
5-828-244	Network Setting	Web Link2 visible	CTL*	[0 to 1 / 1 / 1]
5-828-249	Network Setting	DHCPv6 DUID	CTL	[0 to 0 / 0 / 0]

SP Group 5000-02

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-832-001	HDD	HDD Formatting (ALL)	CTL	[0 to 0 / 0 / 0]
5-832-002	HDD	HDD Formatting (IMH)	CTL	[0 to 0 / 0 / 0]
5-832-003	HDD	HDD Formatting (Thumbnail/OCR)	CTL	[0 to 0 / 0 / 0]
5-832-004	HDD	HDD Formatting (Job Log)	CTL	[0 to 0 / 0 / 0]
5-832-005	HDD	HDD Formatting (Printer Fonts)	CTL	[0 to 0 / 0 / 0]
5-832-006	HDD	HDD Formatting (User Info)	CTL	[0 to 0 / 0 / 0]
5-832-007	HDD	Mail RX Data	CTL	[0 to 0 / 0 / 0]
5-832-008	HDD	Mail TX Data	CTL	[0 to 0 / 0 / 0]
5-832-009	HDD	HDD Formatting (Data for a Design)	CTL	[0 to 0 / 0 / 0]
5-832-010	HDD	HDD Formatting (Log)	CTL	[0 to 0 / 0 / 0]
5-832-011	HDD	HDD Formatting (Ridoc I/F)	CTL	[0 to 0 / 0 / 0]
5-	HDD	HDD Formatting (Thumbnail)	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
832-012				
5-836-001	Capture Setting	Capture Function (0:Off 1:On)	CTL*	[0 to 1 / 0 / 1] 0: Disable 1: Enable
5-836-011	Capture Setting	Capture Setting: Copy	CTL*	[0 to 1 / 0 / 1]
5-836-012	Capture Setting	Capture Setting: Doc. Svr.	CTL*	[0 to 1 / 0 / 1]
5-836-013	Capture Setting	Capture Setting: Fax RX Printer	CTL*	[0 to 1 / 0 / 1]
5-836-014	Capture Setting	Capture Setting: Fax TX	CTL*	[0 to 1 / 0 / 1]
5-836-015	Capture Setting	Capture Setting: Printer	CTL*	[0 to 1 / 0 / 1]
5-836-016	Capture Setting	Capture Setting: Scanner	CTL*	[0 to 1 / 0 / 1]
5-836-017	Capture Setting	Capture Setting: SDK	CTL*	[0 to 1 / 0 / 1]
5-836-061	Capture Setting	Captured File Resend (0:Off 1:On)	CTL*	[0 to 1 / 1 / 1]
5-836-071	Capture Setting	Reduction for Copy Color	CTL*	[0 to 3 / 2 / 1] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4
5-836-	Capture Setting	Reduction for Copy B&W Text	CTL*	[0 to 6 / 0 / 1] 0: 1to-1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
072				1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-073	Capture Setting	Reduction for Copy B&W Other	CTL*	[0 to 6 / 0 / 1] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-074	Capture Setting	Reduction for Printer Color	CTL*	[0 to 3 / 2 / 1] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4
5-836-075	Capture Setting	Reduction for Printer B&W	CTL*	[0 to 6 / 0 / 1] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-077	Capture Setting	Reduction for Printer Color 1200dpi	CTL*	[1 to 5 / 4 / 1] 1:1/2 3:1/4 4:1/6 5:1/8
5-836-078	Capture Setting	Reduction for Printer B&W 1200dpi	CTL*	[1 to 5 / 1 / 1] 0: 1 1: 1/2 2: 1/3 3: 1/4 4: 1/6 5: 1/8
5-836-081	Capture Setting	Format for Copy Color	CTL*	[0 to 0 / 0 / 1] 0: JFIF/JPEG 1: TIFF/MMR

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: TIFF/MH 3: TIFF/MR
5-836-082	Capture Setting	Format for Copy B&W Text	CTL*	[0 to 3 / 1 / 1] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-083	Capture Setting	Format for Copy B&W Other	CTL*	[0 to 3 / 1 / 1] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-084	Capture Setting	Format for Printer Color	CTL*	[0 to 0 / 0 / 1]
5-836-085	Capture Setting	Format for Printer B&W	CTL*	[0 to 3 / 1 / 1] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-091	Capture Setting	Default for JPEG	CTL*	[5 to 95 / 50 / 1]
5-836-101	Capture Setting	Primary srv IP address	CTL*	[0 to 0xffffffff / 0x00 / 0]
5-836-102	Capture Setting	Primary srv scheme	CTL*	[0 to 0 / 0 / 0]
5-836-103	Capture Setting	Primary srv port number	CTL*	[1 to 65535 / 80 / 1]
5-836-104	Capture Setting	Primary srv URL path	CTL*	[0 to 0 / 0 / 0]
5-	Capture Setting	Secondary srv IP address	CTL*	[0 to 0xffffffff / 0x00 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
836-111				
5-836-112	Capture Setting	Secondary srv scheme	CTL*	[0 to 0 / 0 / 0]
5-836-113	Capture Setting	Secondary srv port number	CTL*	[1 to 65535 / 80 / 1]
5-836-114	Capture Setting	Secondary srv URL path	CTL*	[0 to 0 / 0 / 0]
5-836-120	Capture Setting	Default Reso Rate Switch	CTL*	[0 to 1 / 0 / 1]
5-836-121	Capture Setting	Reso: Copy(Color)	CTL*	[0 to 255 / 2 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-122	Capture Setting	Reso: Copy(Mono)	CTL*	[0 to 255 / 3 / 1] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-123	Capture Setting	Reso: Print(Color)	CTL*	[0 to 255 / 2 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				5:100DPi 6:75DPi
5-836-124	Capture Setting	Reso: Print(Mono)	CTL*	[0 to 255 / 3 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-125	Capture Setting	Reso: Fax(Color)	CTL*	[0 to 255 / 4 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-126	Capture Setting	Reso: Fax(Mono)	CTL*	[0 to 255 / 3 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-127	Capture Setting	Reso: Scan(Color)	CTL*	[0 to 255 / 4 / 1] 0:600DPi 1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-	Capture Setting	Reso: Scan(Mono)	CTL*	[0 to 255 / 3 / 1] 0:600DPi

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
128				1:400DPi 2:300DPi 3:200DPi 4:150DPi 5:100DPi 6:75DPi
5-836-129	Capture Setting	Reso: SDK(Color)	CTL*	[0 to 255 / 4 / 1]
5-836-130	Capture Setting	Reso: SDK(Mono)	CTL*	[0 to 255 / 3 / 1]
5-836-141	Capture Setting	All Addr Info Switch	CTL*	[0 to 1 / 1 / 1]
5-836-142	Capture Setting	Stand-by Doc Max Number	CTL*	[10 to 10000 / 2000 / 1]
5-836-143	Capture Setting	ClearLightPDF Switch	CTL*	[0 to 1 / 0 / 1]
5-840-006	IEEE 802.11	Channel MAX	CTL*	[1 to 14 / 14 / 1] Europe/Asia: 1 to 13 NA/ Asia: 1 to 11
5-840-007	IEEE 802.11	Channel MIN	CTL*	[1 to 14 / 1 / 1] Europe: 1 to 13 NA/ Asia: 1 to 11
5-840-011	IEEE 802.11	WEP Key Select	CTL*	[0x00 to 0x11 / 0x00 / 0] 00: Key #1 01: Key #2 (Reserved) 10: Key #3 (Reserved) 11: Key #4 (Reserved)
5-840-045	IEEE 802.11	WPA Debug Lvl	CTL*	[1 to 3 / 3 / 1] 1: Info 2: wArning 3: error

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-840-046	IEEE 802.11	11w	CTL*	[0 to 2 / 0 / 1]
5-840-047	IEEE 802.11	PSK Set Type	CTL*	[0 to 1 / 0 / 1]
5-841-001	Supply Name Setting	Toner Name Setting: Black	CTL*	[0 to 0 / 0 / 0]
5-841-002	Supply Name Setting	Toner Name Setting: Cyan	CTL*	[0 to 0 / 0 / 0]
5-841-003	Supply Name Setting	Toner Name Setting: Yellow	CTL*	[0 to 0 / 0 / 0]
5-841-004	Supply Name Setting	Toner Name Setting: Magenta	CTL*	[0 to 0 / 0 / 0]
5-841-007	Supply Name Setting	OrgStamp	CTL*	[0 to 0 / 0 / 0]
5-841-009	Supply Name Setting	WasteTonerBottle	CTL*	[0 to 0 / 0 / 0]
5-841-011	Supply Name Setting	StapleStd1	CTL*	[0 to 0 / 0 / 0]
5-841-012	Supply Name Setting	StapleStd2	CTL*	[0 to 0 / 0 / 0]
5-841-013	Supply Name Setting	StapleStd3	CTL*	[0 to 0 / 0 / 0]
5-841-014	Supply Name Setting	StapleStd4	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-841-021	Supply Name Setting	StapleBind1	CTL*	[0 to 0 / 0 / 0]
5-841-022	Supply Name Setting	StapleBind2	CTL*	[0 to 0 / 0 / 0]
5-841-023	Supply Name Setting	StapleBind3	CTL*	[0 to 0 / 0 / 0]
5-842-001	GWWS Analysis	Setting 1	CTL*	[0x00 to 0xFF / 0 / 1] 0bit[LSB]: system, other group 1bit: capture related group 2bit: authentication related group 3bit: address book related group 4bit: device management related group 5bit: output related(print, FAX, and delivery) group 6bit: repository, F0,etc. document related group 7bit: debug log level suppression
5-842-002	GWWS Analysis	Setting 2	CTL*	[0x00 to 0xFF / 0 / 1] 0~6bit: unused 7bit: time stamp setting for 5682mmesg log. (1: min./sec/msec, 0: day/hour/min./sec)
5-844-001	USB	Transfer Rate	CTL*	[1 to 4 / 0 / 0] 0x01: Full speed 0x04: Auto Change
5-844-002	USB	Vendor ID	CTL*	[0x0000 to 0xffff / 0x05ca / 0]
5-844-003	USB	Product ID	CTL*	[0x0000 to 0xffff / 0x0403 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-844-004	USB	Device Release Number	CTL*	[0 to 9999 / 100 / 1]
5-844-005	USB	Fixed USB Port	CTL*	[0 to 2 / 0 / 1]
5-844-006	USB	PnP Model Name	CTL*	[0 to 0 / 0 / 0]
5-844-007	USB	PnP Serial Number	CTL*	[0 to 0 / 0 / 0]
5-844-008	USB	Mac Supply Level	CTL*	[0 to 1 / 1 / 1]
5-844-009	USB	USB Toggle Clear Mode	CTL*	[0 to 1 / 0 / 1]
5-844-100	USB	Notify Unsupport	CTL*	[0 to 1 / 1 / 1]
5-845-001	Delivery Server Setting	FTP Port No.	CTL*	[1 to 65535 / 3670 / 1]
5-845-002	Delivery Server Setting	IP Address (Primary)	CTL*	[0 to 0xffffffff / 0x00 /]
5-845-006	Delivery Server Setting	Delivery Error Display Time	CTL*	[0 to 999 / 300 / 1sec]
5-845-008	Delivery Server Setting	IP Address (Secondary)	CTL*	[0 to 0xffffffff / 0x00 /]
5-845-009	Delivery Server Setting	Delivery Server Model	CTL*	[0 to 4 / 0 / 1] 0: Unknown 1: SG1 Provided

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: SG1 Package 3: SG2 Provided 4: SG2 Package
5-845-010	Delivery Server Setting	Delivery Svr. Capability	CTL*	[0 to 255 / 0 / 1] Bit7=1: Comment information exists Bit6=1: Direct specification of mail address possible Bit5=1: Mail RX confirmation setting possible Bit4=1: Address book automatic update function exists Bit3=1: Fax RX delivery function exists Bit2=1: Sender password function exists Bit1=1: Function to link MK-1 user and Sender exists Bit0=1: Sender specification required (if set to 1, Bit6 is set to "0")
5-845-011	Delivery Server Setting	Delivery Svr. Capability (Ext)	CTL*	[0 to 255 / 0 / 1] Bit7=1: Address book usage limitation (Limitation for each authorized user) Bit6=1: RDH authorization link Bit5 to 0: Not used
5-845-013	Delivery Server Setting	Server Scheme(Primary)	CTL*	[0 to 0 / 0 / 0]
5-845-014	Delivery Server Setting	Server Port Number(Primary)	CTL*	[1 to 65535 / 80 / 1]
5-845-015	Delivery Server Setting	Server URL Path(Primary)	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-845-016	Delivery Server Setting	Server Scheme(Secondary)	CTL*	[0 to 0 / 0 / 0]
5-845-017	Delivery Server Setting	Server Port Number(Secondary)	CTL*	[1 to 65535 / 80 / 1]
5-845-018	Delivery Server Setting	Server URL Path(Secondary)	CTL*	[0 to 0 / 0 / 0]
5-845-022	Delivery Server Setting	Rapid Sending Control	CTL*	[0 to 1 / 1 / 1] 0: Control disabled 1: Control enabled
5-846-001	UCS Setting	Machine ID (for Delivery Server)	CTL*	[0 to 0 / 0 / 0]
5-846-002	UCS Setting	Machine ID Clear (for Delivery Server)	CTL*	[0 to 0 / 0 / 0]
5-846-003	UCS Setting	Maximum Entries	CTL*	[2000 to 20000 / 2000 / 1]
5-846-006	UCS Setting	Delivery Server Retry Timer	CTL*	[0 to 255 / 0 / 1]
5-846-007	UCS Setting	Delivery Server Retry Times	CTL*	[0 to 255 / 0 / 1]
5-846-008	UCS Setting	Delivery Server Maximum Entries	CTL*	[2000 to 20000 / 2000 / 1]
5-846-010	UCS Setting	LDAP Search Timeout	CTL*	[1 to 255 / 60 / 1]
5-846-020	UCS Setting	WSD Maximum Entries	CTL*	[50 to 250 / 250 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-846-021	UCS Setting	Folder Auth Change	CTL*	[0 to 1 / 0 / 1] 0: Login User, 1: Destination
5-846-040	UCS Setting	Addr Book Migration(USB->HDD)	CTL	[0 to 0 / 0 / 0]
5-846-041	UCS Setting	Fill Addr Acl Info	CTL	[0 to 0 / 0 / 0]
5-846-043	UCS Setting	Addr Book Media	CTL*	[0 to 30 / 0 / 1] 0: Unconfirmed 1: SD Slot 1 2: SD Slot 2 3: SD Slot 3 4: USB Flash ROM 10: SD Slot 10 20: HDD 30: Nothing
5-846-047	UCS Setting	Initialize Local Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-048	UCS Setting	Initialize Delivery Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-049	UCS Setting	Initialize LDAP Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-050	UCS Setting	Initialize All Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-051	UCS Setting	Backup All Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-052	UCS Setting	Restore All Addr Book	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-846-053	UCS Setting	Clear Backup Info	CTL	[0 to 0 / 0 / 0]
5-846-060	UCS Setting	Search option	CTL*	[0x00 to 0xff / 0x0f / 1] Bit 0: Checks both upper/lower case characters Bit 1: Japan Only Bit 2: Japan Only Bit 3: Japan Only Bit 4 to 7: Not Used
5-846-062	UCS Setting	Complexity option 1	CTL*	[0 to 32 / 0 / 1]
5-846-063	UCS Setting	Complexity option 2	CTL*	[0 to 32 / 0 / 1]
5-846-064	UCS Setting	Complexity option 3	CTL*	[0 to 32 / 0 / 1]
5-846-065	UCS Setting	Complexity option 4	CTL*	[0 to 32 / 0 / 1]
5-846-091	UCS Setting	FTP Auth Port Setting	CTL*	[0 to 65535 / 3671 / 1]
5-846-094	UCS Setting	Encryption Stat	CTL*	[0 to 255 / 0 / 0]
5-847-001	Rep Resolution Reduction	Rate for Copy Color	CTL*	[0 to 5 / 2 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x
5-	Rep Resolution	Rate for Copy B&W Text	CTL*	[0 to 6 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
847-002	Reduction			0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-003	Rep Resolution Reduction	Rate for Copy B&W Other	CTL*	[0 to 6 / 0 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-004	Rep Resolution Reduction	Rate for Printer Color	CTL*	[0 to 5 / 2 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x
5-847-005	Rep Resolution Reduction	Rate for Printer B&W	CTL*	[0 to 6 / 0 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-006	Rep Resolution Reduction	Rate for Printer Color 1200dpi	CTL*	[0 to 5 / 4 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				5: 1/8x
5-847-007	Rep Resolution Reduction	Rate for Printer B&W 1200dpi	CTL*	[0 to 6 / 1 / 1] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-021	Rep Resolution Reduction	Network Quality Default for JPEG	CTL*	[5 to 95 / 50 / 1]
5-848-002	Web Service	Access Ctrl: Repository(onlyLower4bits)	CTL*	[0x00 to 0xFF / 0x02 / 0] 0000: No access control 0001: Denies access to DeskTop Binder. 0010: No writing control
5-848-003	Web Service	Access Ctrl: Doc.Svr.Print (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-004	Web Service	Access Ctrl: uirectory (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-007	Web Service	Access Ctrl: Comm. Log Fax(Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-009	Web Service	Access Ctrl: Job Ctrl (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-011	Web Service	Access Ctrl: Devicemanagement(Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				Binder.
5-848-021	Web Service	Access Ctrl: Delivery (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-022	Web Service	Access Ctrl: uadministration (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-024	Web Service	Access Ctrl: Log Service (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-025	Web Service	Access Ctrl: Rest WebService (Lower 4bits)	CTL*	[0x00 to 0xFF / 0x00 / 0] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-099	Web Service	Repository: Download Image Setting	CTL*	[0x00 to 0xFF / 0x00 / 1]
5-848-100	Web Service	Repository: Download Image Max. Size	CTL*	[1 to 2048 / 2048 / 1]
5-848-150	Web Service	Log Operation Mode	CTL*	[0 to 9 / 0 / 1]
5-848-217	LogTrans	Setting: Timing	CTL*	[0 to 2 / 0 / 1]
5-849-001	Installation Date	Display	CTL*	[0 to 0 / 0 / 0]
5-849-002	Installation Date	Switch to Print	CTL*	[0 to 1 / 0 / 1] 0: OFF (No Print) 1: ON (Print)
5-	Installation Date	Total Counter	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
849-003				1: G3 2: EXT 3: G3-1 4: G3-1- EXT 5: G3-2 6: G3-2- EXT 7: G3-3 8: G3-3-EXT 9: G3-idle-EXT 10: idle-EXT 11: I-G3 12: I-G3-EXT 13: G4
5-850-003	Address Book Function	Replacement of Circuit Classifications	CTL	[0 to 0 / 0 / 0]
5-851-001	Bluetooth	Mode	CTL*	[0x00 to 0x01 / 0x00 / 1]
5-853-001	Stamp Data Download		CTL	[0 to 0 / 0 / 0]
5-856-002	Remote ROM Update	Local Port	CTL	[0 to 1 / 0 / 1] 0: Disable 1: Enable
5-858-001	Collect Machine Info	0:OFF 1:ON	CTL*	[0 to 1 / 1 / 1]
5-858-002	Collect Machine Info	Save To (0:HDD 1:SD)	CTL*	[0 to 1 / 0 / 1]
5-858-003	Collect Machine Info	Make Log Trace Dir	CTL*	[0 to 1 / 0 / 0]
5-858-	Collect Machine Info	Failure Occuring Date	CTL*	[0 to 20371212 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
5-858-102	Collect Machine Info	Tracing Days	CTL*	[1 to 180 / 2 / 1day]
5-858-103	Collect Machine Info	Acquire Fax Address(0:OFF 1:ON)	CTL*	[0 to 1 / 0 / 1]
5-858-111	Collect Machine Info	Acquire All Info & Logs	CTL*	[0 to 1 / 0 / 0]
5-858-121	Collect Machine Info	Acquire Configuration Page	CTL*	[0 to 1 / 0 / 0]
5-858-122	Collect Machine Info	Acquire Font Page	CTL*	[0 to 1 / 0 / 0]
5-858-123	Collect Machine Info	Acquire Print Setting List	CTL*	[0 to 1 / 0 / 0]
5-858-124	Collect Machine Info	Acquire Error Log	CTL*	[0 to 1 / 0 / 0]
5-858-131	Collect Machine Info	Acquire Fax Info	CTL*	[0 to 1 / 0 / 0]
5-858-141	Collect Machine Info	Acquire All Debug Logs	CTL*	[0 to 1 / 0 / 0]
5-858-142	Collect Machine Info	Acquire Controller Debug Logs Only	CTL*	[0 to 1 / 0 / 0]
5-858-143	Collect Machine Info	Acquire Engine Debug Logs Only	CTL*	[0 to 1 / 0 / 0]
5-	Collect Machine Info	Acquire Opepanel Debug	CTL*	[0 to 1 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
858-144		Logs Only		
5-858-145	Collect Machine Info	Acquire FCU Debug Logs Only	CTL*	[0 to 1 / 0 / 0]
5-858-146	Collect Machine Info	Acquire Only Network Packets	CTL*	[0 to 1 / 0 / 0]
5-860-020	SMTP/POP3/IMAP4	Partial Mail Receive Timeout	CTL*	[1 to 168 / 72 / 1hour]
5-860-021	SMTP/POP3/IMAP4	MDN Response RFC2298 Compliance	CTL*	[0 to 1 / 1 / 1] 0: No 1: Yes
5-860-022	SMTP/POP3/IMAP4	SMTP Auth. From Field Replacement	CTL*	[0 to 1 / 0 / 1] 0: No. "From" item not switched. 1: Yes. "From item switched.
5-860-025	SMTP/POP3/IMAP4	SMTP Auth. Direct Setting	CTL*	[0 to 0xff / 0x0 / 1] Bit 0: LOGIN Bit 1: PLAIN Bit 2: CRAM MD5 Bit 3: DIGEST MD5 Bit 4 to 7: Not used
5-860-026	SMTP/POP3/IMAP4	S/MIME:MIME Header Setting	CTL*	[0 to 2 / 0 / 1] 0: Microsoft Outlook Express standard 1: Internet Draft standard 2: RFC standard
5-860-028	SMTP/POP3/IMAP4	S/MIME: Authentication Check	CTL*	[0 to 1 / 0 / 1] 0: No (not check) 1: Yes (check)
5-860-029	SMTP/POP3/IMAP4	SMTP Server 3G Line IP Address	CTL	[0 to 0xffffffff / 0x00 /]
5-866-	E-Mail Report	Report Validity	CTL	[0 to 1 / 0 / 1] 0: Enabled

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				1: Disabled
5-866-005	E-Mail Report	Add Date Field	CTL*	[0 to 1 / 0 / 1] 0: Enabled 1: Disabled
5-866-109	E-Mail Report	CounterE-Mail:3G Line Validity	CTL*	[0 to 1 / 0 / 1]
5-866-110	E-Mail Report	CounterE-Mail:Validity	CTL*	[0 to 1 / 0 / 1]
5-866-111	E-Mail Report	CounterE-Mail:Destination Registration	CTL*	[0 to 0 / 0 / 0]
5-866-112	E-Mail Report	CounterE-Mail:Send Test	CTL*	[0 to 0 / 0 / 0]
5-866-113	E-Mail Report	CounterE-Mail:Next Send Date	CTL*	[0 to 0 / 0 / 0]
5-866-114	E-Mail Report	CounterE-Mail:Send Date Setting	CTL*	[0 to 31 / 0 / 1]
5-866-115	E-Mail Report	CounterE-Mail:Send Time Setting	CTL*	[0 to 2359 / 0 / 1]
5-866-121	E-Mail Report	CounterE-Mail:Destination1	CTL*	[0 to 0 / 0 / 0]
5-866-122	E-Mail Report	CounterE-Mail:Destination2	CTL*	[0 to 0 / 0 / 0]
5-866-123	E-Mail Report	CounterE-Mail:Destination3	CTL*	[0 to 0 / 0 / 0]
5-	Common KeyInfo	Writing	CTL	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
870-001	Writing			
5-870-003	Common KeyInfo Writing	Initialize	CTL	[0 to 1 / 0 / 1]
5-870-004	Common Key Info Writing	Writing: 2048bit	CTL	[0 to 1 / 0 / 1]
5-873-001	SDCardAppliMove	MoveExec	CTL	[0 to 0 / 0 / 1]
5-873-002	SDCardAppliMove	UndoExec	CTL	[0 to 0 / 0 / 1]
5-875-001	SC Auto Reboot	Reboot Setting	CTL*	[0 to 1 / 0 / 1]
5-875-002	SC Auto Reboot	Reboot Type	CTL*	[0 to 1 / 1 / 1] 0: Manual reboot 1: Automatic reboot
5-878-001	Option Setup	Data Overwrite Security	CTL	[0 to 0 / 0 / 0]
5-878-002	Option Setup	HDD Encryption	CTL	[0 to 0 / 0 / 0]
5-878-004	Option Setup	OCR Dictionary	CTL	[0 to 0 / 0 / 0]
5-881-001	Fixed Phrase Block Erasing		CTL	[0 to 0 / 0 / 0]
5-885-020	Set WIM Function	DocSvr Acc Ctrl	CTL*	[0x00 to 0xFF / 0x00 / 0] 0: OFF 1: ON Bit 0: Forbid all document server

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				access (1) Bit 1: Forbid user mode access (1) Bit 2: Forbid print function (1) Bit 3: Forbid fax TX (1) Bit 4: Forbid scan sending (1) Bit 5: Forbid downloading (1) Bit 6: Forbid delete (1) Bit 7: Reserved
5-885-050	Set WIM Function	DocSvr Format	CTL*	[0 to 2 / 0 / 1] 0: Thumbnail, 1: Icon, 2: Details
5-885-051	Set WIM Function	DocSvr Trans	CTL*	[5 to 20 / 10 / 1]
5-885-100	Set WIM Function	Set Signature	CTL*	[0 to 2 / 0 / 1] 0: Setting for each e-mail 1: Signature for all 2: No signature
5-885-101	Set WIM Function	Set Encrypsion	CTL*	[0 to 1 / 0 / 1] 0: Not encrypted 1: Encryption
5-885-200	Set WIM Function	Detect Mem Leak	CTL*	[0x00 to 0xFF / 0x00 / 0]
5-886-100	Farm Update Setting	Skip Version Check	CTL	[0 to 1 / 0 / 1]
5-886-101	Farm Update Setting	Skip LR Check	CTL	[0 to 1 / 0 / 1]
5-886-111	Farm Update Setting	Auto Update Setting	CTL*	[0 to 1 / 0 / 1]
5-886-112	Farm Update Setting	Auto Update Prohibit Term Setting	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-886-113	Farm Update Setting	Auto Update Prohibit Start hour	CTL*	[0 to 23 / 9 / 1hour]
5-886-114	Farm Update Setting	Auto Update Prohibit End hour	CTL*	[0 to 23 / 17 / 1hour]
5-886-115	Farm Update Setting	SFU Auto Download Setting	CTL*	[0 to 1 / 0 / 1]
5-886-116	Farm Update Setting	Auto Update Next Date	CTL*	[0 to 0 / 0 / 0]
5-886-117	Farm Update Setting	Auto Update Retry Interval Hour	CTL*	[1 to 24 / 1 / 1hour]
5-886-119	Farm Update Setting	Auto Update @Remote Using Setting	CTL*	[0 to 1 / 0 / 1]
5-886-120	Farm Update Setting	Auto Update Prohibit Day of Week Setting	CTL*	[0 to 255 / 0 / 1]
5-886-152	Farm Update Setting	Permit IMSS Update	CTL*	[0 to 1 / 0 / 1]
5-886-201	Farm Update Setting	Restore Date	CTL*	[0 to 0 / 0 / 0]
5-886-202	Farm Update Setting	Save Old Version List	CTL	[0 to 0 / 0 / 0]
5-887-001	SD GetCounter		CTL	[0 to 0 / 0 / 0]
5-888-001	Personal Information Protect		CTL*	[0 to 1 / 0 / 1] 0: No authentication, No protection for logs

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: No authentication, Protected logs (only an administrator can see the logs)
5-893-001	SDK Application Counter	SDK-1	CTL	[0 to 0 / 0 / 0]
5-893-002	SDK Application Counter	SDK-2	CTL	[0 to 0 / 0 / 0]
5-893-003	SDK Application Counter	SDK-3	CTL	[0 to 0 / 0 / 0]
5-893-004	SDK Application Counter	SDK-4	CTL	[0 to 0 / 0 / 0]
5-893-005	SDK Application Counter	SDK-5	CTL	[0 to 0 / 0 / 0]
5-893-006	SDK Application Counter	SDK-6	CTL	[0 to 0 / 0 / 0]
5-893-007	SDK Application Counter	SDK-7	CTL	[0 to 0 / 0 / 0]
5-893-008	SDK Application Counter	SDK-8	CTL	[0 to 0 / 0 / 0]
5-893-009	SDK Application Counter	SDK-9	CTL	[0 to 0 / 0 / 0]
5-893-010	SDK Application Counter	SDK-10	CTL	[0 to 0 / 0 / 0]
5-893-011	SDK Application Counter	SDK-11	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-893-012	SDK Application Counter	SDK-12	CTL	[0 to 0 / 0 / 0]
5-894-001	External Mech Count Setting	Mech Counter Switch Setting	ENG*	[0 to 2 / 0 / 1]
5-895-001	Application invalidation	Printer	CTL	[0 to 1 / 0 / 0]
5-895-002	Application invalidation	Scanner	CTL	[0 to 1 / 0 / 0]
5-900-001	Engine Log Upload	Pattern	ENG*	[0 to 4 / 0 / 1]
5-900-002	Engine Log Upload	Trigger	ENG*	[0 to 3 / 0 / 1]
5-901-001	Engine Log SD Card	Error Code	ENG	[0 to 255 / 0 / 1]
5-907-001	Plug & Play Maker/Model Name		CTL*	[0 to 255 / 0 / 1]
5-913-002	Switchover Permission Time	Print Application Timer	CTL*	[0 to 30 / 3 / 1]
5-959-001	Paper Size	1st Tray (Tandem)	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A4 LEF 1: 8.5"x11" LEF
5-959-002	Paper Size	1st Tray (A3 Kit)	ENG*	[0 to 8 / * / 1] *NA: 5 *EU/AP/CHN/TWN/KOR: 2 0: A4 LEF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: 8.5"x11" LEF 2: A3 3: B4 4: A4 SEF 5: 11"x17" 6: 8.5"x14" SEF 7: 8.5"x11" SEF 8: Custom
5-959-003	Paper size	A4 LCT: Paper size	ENG*	[0 to 7 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A4 LEF 1: 8.5"x11" LEF 2: B5 LEF 3: A4 SEF 4: 8.5"x11" SEF 5: B4 SEF 6: 8.5"x14" SEF 7: A5 LEF
5-959-004	Paper Size	Tray2:1	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A4 LEF 1: 8.5"x11" LEF
5-959-005	Paper Size	Tray2:2	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A3 1: 11"x17"
5-959-006	Paper Size	Tray2:3	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: B4 1: 8.5"x14" SEF
5-959-	Paper Size	Tray2:4	ENG*	[0 to 1 / * / 1] *NA: 1

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				*EU/AP/CHN/TWN/KOR: 0 0: B5 LEF 1: 7.25"x10.5"LEF
5-959-008	Paper Size	Tray2:5	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A5 LEF 1: 5.5"x8.5" LEF
5-959-009	Paper Size	Tray2:6	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: SRA3 1: 12"x18"
5-959-010	Paper Size	Tray3:1	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A4 LEF 1: 8.5"x11" LEF
5-959-011	Paper Size	Tray3:2	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A3 1: 11"x17"
5-959-012	Paper Size	Tray3:3	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: B4 1: 8.5"x14" SEF
5-959-013	Paper Size	Tray3:4	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: B5 LEF 1: 7.25"x10.5"LEF
5-959-014	Paper Size	Tray3:5	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: A5 LEF 1: 5.5"x8.5" LEF
5-959-015	Paper Size	Tray3:6	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: SRA3 1: 12"x18"
5-959-016	Paper Size	Tray4:1	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A4 LEF 1: 8.5"x11" LEF
5-959-017	Paper Size	Tray4:2	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A3 1: 11"x17"
5-959-018	Paper Size	Tray4:3	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: B4 1: 8.5"x14" SEF
5-959-019	Paper Size	Tray4:4	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: B5 LEF 1: 7.25"x10.5"LEF
5-959-020	Paper Size	Tray4:5	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: A5 LEF 1: 5.5"x8.5" LEF
5-959-021	Paper Size	Tray4:6	ENG*	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0 0: SRA3

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: 12"x18"
5-960-001	A3 Tray Custom Paper Size Set	Width (Main Scan)	ENG*	[210 to 305 / 297 / 0.1]
5-960-002	A3 Tray Custom Paper Size Set	Length (Sub Scan)	ENG*	[210 to 439 / 210 / 0.1]
5-961-001	Power Supply Voltage: Disp	Power Supply Voltage	ENG	[0 to 300 / 0 / 1V]
5-962-001	SC Number (Error)	SC Number (Error)1	ENG	[0 to 99999 / 0 / 1]
5-962-002	SC Number (Error)	SC Number (Error)2	ENG	[0 to 99999 / 0 / 1]
5-962-003	SC Number (Error)	SC Number (Error)3	ENG	[0 to 99999 / 0 / 1]
5-962-004	SC Number (Error)	SC Number (Error)4	ENG	[0 to 99999 / 0 / 1]
5-962-005	SC Number (Error)	SC Number (Error)5	ENG	[0 to 99999 / 0 / 1]
5-962-006	SC Number (Error)	SC Number (Error)6	ENG	[0 to 99999 / 0 / 1]
5-962-007	SC Number (Error)	SC Number (Error)7	ENG	[0 to 99999 / 0 / 1]
5-962-008	SC Number (Error)	SC Number (Error)8	ENG	[0 to 99999 / 0 / 1]
5-	SC Number (Error)	SC Number (Error)9	ENG	[0 to 99999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
962-009				
5-962-010	SC Number (Error)	SC Number (Error)10	ENG	[0 to 99999 / 0 / 1]
5-963-001	Max Power Supply Voltage	Max Power Supply Voltage1	ENG	[0 to 300 / 0 / 1V]
5-963-002	Max Power Supply Voltage	Max Power Supply Voltage2	ENG	[0 to 300 / 0 / 1V]
5-963-003	Max Power Supply Voltage	Max Power Supply Voltage3	ENG	[0 to 300 / 0 / 1V]
5-963-004	Max Power Supply Voltage	Max Power Supply Voltage4	ENG	[0 to 300 / 0 / 1V]
5-963-005	Max Power Supply Voltage	Max Power Supply Voltage5	ENG	[0 to 300 / 0 / 1V]
5-963-006	Max Power Supply Voltage	Max Power Supply Voltage6	ENG	[0 to 300 / 0 / 1V]
5-963-007	Max Power Supply Voltage	Max Power Supply Voltage7	ENG	[0 to 300 / 0 / 1V]
5-963-008	Max Power Supply Voltage	Max Power Supply Voltage8	ENG	[0 to 300 / 0 / 1V]
5-963-009	Max Power Supply Voltage	Max Power Supply Voltage9	ENG	[0 to 300 / 0 / 1V]
5-963-010	Max Power Supply Voltage	Max Power Supply Voltage10	ENG	[0 to 300 / 0 / 1V]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-964-001	Min Power Supply Voltage	Min Power Supply Voltage1	ENG	[0 to 300 / 0 / 1V]
5-964-002	Min Power Supply Voltage	Min Power Supply Voltage2	ENG	[0 to 300 / 0 / 1V]
5-964-003	Min Power Supply Voltage	Min Power Supply Voltage3	ENG	[0 to 300 / 0 / 1V]
5-964-004	Min Power Supply Voltage	Min Power Supply Voltage4	ENG	[0 to 300 / 0 / 1V]
5-964-005	Min Power Supply Voltage	Min Power Supply Voltage5	ENG	[0 to 300 / 0 / 1V]
5-964-006	Min Power Supply Voltage	Min Power Supply Voltage6	ENG	[0 to 300 / 0 / 1V]
5-964-007	Min Power Supply Voltage	Min Power Supply Voltage7	ENG	[0 to 300 / 0 / 1V]
5-964-008	Min Power Supply Voltage	Min Power Supply Voltage8	ENG	[0 to 300 / 0 / 1V]
5-964-009	Min Power Supply Voltage	Min Power Supply Voltage9	ENG	[0 to 300 / 0 / 1V]
5-964-010	Min Power Supply Voltage	Min Power Supply Voltage10	ENG	[0 to 300 / 0 / 1V]
5-965-001	Heater Always ON	0:HeaterON/1:HeaterOFF	ENG*	[0 to 1 / 1 / 1] 0: ON 1: OFF
5-967-001	Copy Server : Set Function	(0:ON 1:OFF)	CTL*	[0 to 1 / 0 / 1] 0: ON 1: OFF

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-973-101	User Stamp Registration	Frame deletion setting	CTL*	[0 to 3 / 0 / 1]
5-985-001	Device Setting	On Board NIC	CTL	[0 to 2 / 0 / 1] 0: Disable 1: Enable 2: Function limitation
5-985-002	Device Setting	On Board USB	CTL	[0 to 1 / 0 / 1]
5-990-001	SP Print Mode	All (Data List)	CTL	[0 to 255 / 0 / 0]
5-990-002	SP Print Mode	SP (Mode Data List)	CTL	[0 to 255 / 0 / 0]
5-990-003	SP Print Mode	User Program	CTL	[0 to 255 / 0 / 0]
5-990-004	SP Print Mode	Logging Data	CTL	[0 to 255 / 0 / 0]
5-990-005	SP Print Mode	Diagnostic Report	CTL	[0 to 255 / 0 / 0]
5-990-006	SP Print Mode	Non-Default	CTL	[0 to 255 / 0 / 0]
5-990-007	SP Print Mode	NIB Summary	CTL	[0 to 0 / 0 / 0]
5-990-008	SP Print Mode	Capture Log	CTL	[0 to 255 / 0 / 1]
5-990-	SMC Print	Copier User Program	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021				
5-990-022	SP Print Mode	Scanner SP	CTL	[0 to 255 / 0 / 0]
5-990-023	SP Print Mode	Scanner User Program	CTL	[0 to 255 / 0 / 0]
5-990-024	SP Print Mode	SDK/J Summary	CTL	[0 to 0 / 0 / 0]
5-990-025	SP Print Mode	SDK/J Application Info	CTL	[0 to 0 / 0 / 0]
5-990-026	SP Print Mode	Printer SP	CTL	[0 to 255 / 0 / 1]
5-990-027	SP Print Mode	SmartOperationPanel SP	CTL	[0 to 255 / 0 / 1]
5-990-028	SP Print Mode	SmartOperationPanel UP	CTL	[0 to 255 / 0 / 1]
5-992-001	SP Text Mode	All (Data List)	CTL	[0 to 255 / 0 / 1]
5-992-002	SP Text Mode	SP (Mode Data List)	CTL	[0 to 255 / 0 / 1]
5-992-003	SP Text Mode	User Program	CTL	[0 to 255 / 0 / 1]
5-992-004	SP Text Mode	Logging Data	CTL	[0 to 255 / 0 / 1]
5-	SP Text Mode	Diagnostic Report	CTL	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
992-005				
5-992-006	SP Text Mode	Non-Default	CTL	[0 to 255 / 0 / 1]
5-992-007	SP Text Mode	NIB Summary	CTL	[0 to 255 / 0 / 1]
5-992-008	SP Text Mode	Capture Log	CTL	[0 to 255 / 0 / 1]
5-992-021	SP Text Mode	Copier User Program	CTL	[0 to 0 / 0 / 0]
5-992-022	SP Text Mode	Scanner SP	CTL	[0 to 255 / 0 / 1]
5-992-023	SP Text Mode	Scanner User Program	CTL	[0 to 255 / 0 / 1]
5-992-024	SP Text Mode	SDK/J Summary	CTL	[0 to 0 / 0 / 0]
5-992-025	SP Text Mode	SDK/J Application Info	CTL	[0 to 0 / 0 / 0]
5-992-026	SP Text Mode	Printer SP	CTL	[0 to 255 / 0 / 0]
5-992-027	SP Text Mode	SmartOperationPanel SP	CTL	[0 to 255 / 0 / 0]
5-992-028	SP Text Mode	SmartOperationPanel UP	CTL	[0 to 255 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-997-002	Memory Clear	Engine	ENG	[0 to 1 / 0 / 1]
5-998-001	Fusing Warm UP	Warm Up In Advance ON/OFF	ENG*	[0 to 1 / 1 / 1] 0: Silent 1: Fast

SP Group 6000

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-006-001	ADF Adjustment	Side-to-Side Regist: Front	ENG*	[-3 to 3 / 0 / 0.1mm]
6-006-002	ADF Adjustment	Side-to-Side Regist: Rear	ENG*	[-3 to 3 / 0 / 0.1mm]
6-006-010	ADF Adjustment	L-Edge Regist (1-Pass): Front	ENG*	[-5 to 5 / 0 / 0.1mm]
6-006-011	ADF Adjustment	L-Edge Regist (1-Pass): Rear	ENG*	[-5 to 5 / 0 / 0.1mm]
6-006-012	ADF Adjustment	1st Buckle (1-Pass)	ENG*	[-3 to 3 / 0 / 0.1mm]
6-006-013	ADF Adjustment	2nd Buckle (1-Pass)	ENG*	[-2 to 3 / 0 / 0.1mm]
6-006-014	ADF Adjustment	T-Edge Erase (1-Pass): Front	ENG*	[-5 to 5 / -3 / 0.1mm]
6-006-015	ADF Adjustment	T-Edge Erase (1-Pass): Rear	ENG*	[-5 to 5 / -2.5 / 0.1mm]
6-009-001	ADF FreeRun	Free Run Simplex Motion	ENG	[0 to 1 / 0 / 1]
6-009-002	ADF FreeRun	Free Run Duplex Motion	ENG	[0 to 1 / 0 / 1]
6-009-003	ADF FreeRun	Free Run Stamp Motion	ENG	[0 to 1 / 0 / 1]
6-	Stamp Position Adj.		ENG*	[-5 to 5 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010-001				0.1mm]
6-016-001	Original Size Detect Setting		ENG*	[0 to 255 / 0 / 1]
6-017-001	DF Magnification Adj.		ENG*	[-5 to 5 / 0 / 0.1%]
6-020-001	Skew Correction Moving Setting		ENG*	[0 to 1 / 0 / 1]
6-100-001	Sub-scanPunchPosAdj:2K/3K FIN	Domestic 2Hole(Europe 2Hole)	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-100-002	Sub-scanPunchPosAdj:2K/3K FIN	3-Hole: NA	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-100-003	Sub-scanPunchPosAdj:2K/3K FIN	4-Hole: EU	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-100-004	Sub-scanPunchPosAdj:2K/3K FIN	4-Hole: SCAN	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-100-005	Sub-scanPunchPosAdj:2K/3K FIN	2-Hole: NA	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-100-006	Sub-scanPunchPosAdj:2K/3K FIN	JPN: 1-Hole	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-101-001	Main-scanPunchPosAdj:2K/3K FIN	Domestic 2Hole(Europe 2Hole)	ENG	[-2 to 2 / 0 / 0.4mm]
6-101-002	Main-scanPunchPosAdj:2K/3K FIN	3-Hole: NA	ENG	[-2 to 2 / 0 / 0.4mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-101-003	Main-scanPunchPosAdj:2K/3K FIN	4-Hole: EU	ENG	[-2 to 2 / 0 / 0.4mm]
6-101-004	Main-scanPunchPosAdj:2K/3K FIN	4-Hole: SCAN	ENG	[-2 to 2 / 0 / 0.4mm]
6-101-005	Main-scanPunchPosAdj:2K/3K FIN	2-Hole: NA	ENG	[-2 to 2 / 0 / 0.4mm]
6-101-006	Main-scanPunchPosAdj:2K/3K FIN	JPN:1-1Hole	ENG	[-2 to 2 / 0 / 0.4mm]
6-102-001	SkewCorrectBuckleAdj:2K/3K FIN	A3 SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-002	SkewCorrectBuckleAdj:2K/3K FIN	B4 SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-003	SkewCorrectBuckleAdj:2K/3K FIN	A4 SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-004	SkewCorrectBuckleAdj:2K/3K FIN	A4 LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-005	SkewCorrectBuckleAdj:2K/3K FIN	B5 SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-006	SkewCorrectBuckleAdj:2K/3K FIN	B5 LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-007	SkewCorrectBuckleAdj:2K/3K FIN	A5 LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-008	SkewCorrectBuckleAdj:2K/3K FIN	DLT SEF	ENG	[-5 to 5 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-102-009	SkewCorrectBuckleAdj:2K/3K FIN	LG SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-010	SkewCorrectBuckleAdj:2K/3K FIN	Oficio SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-011	SkewCorrectBuckleAdj:2K/3K FIN	LT SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-012	SkewCorrectBuckleAdj:2K/3K FIN	LT LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-013	SkewCorrectBuckleAdj:2K/3K FIN	HLT LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-014	SkewCorrectBuckleAdj:2K/3K FIN	12"x18"	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-015	SkewCorrectBuckleAdj:2K/3K FIN	8K SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-016	SkewCorrectBuckleAdj:2K/3K FIN	16K SEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-017	SkewCorrectBuckleAdj:2K/3K FIN	16K LEF	ENG	[-5 to 5 / 0 / 0.2mm]
6-102-018	SkewCorrectBuckleAdj:2K/3K FIN	Other	ENG	[-5 to 5 / 0 / 0.2mm]
6-103-001	SkewCorrectCtrlSW:2K/3K FIN	A3 SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-002	SkewCorrectCtrlSW:2K/3K FIN	B4 SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-103-003	SkewCorrectCtrlSW:2K/3K FIN	A4 SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-004	SkewCorrectCtrlSW:2K/3K FIN	A4 LEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-005	SkewCorrectCtrlSW:2K/3K FIN	B5 SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-006	SkewCorrectCtrlSW:2K/3K FIN	B5 LEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-007	SkewCorrectCtrlSW:2K/3K FIN	A5 LEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-008	SkewCorrectCtrlSW:2K/3K FIN	DLT SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-009	SkewCorrectCtrlSW:2K/3K FIN	LG SEF	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-103-010	SkewCorrectCtrlSW:2K/3K FIN	Oficio SEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-011	SkewCorrectCtrlSW:2K/3K FIN	LT SEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-012	SkewCorrectCtrlSW:2K/3K FIN	LT LEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-103-013	SkewCorrectCtrlSW:2K/3K FIN	HLT-LEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-014	SkewCorrectCtrlSW:2K/3K FIN	12"*18"	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-015	SkewCorrectCtrlSW:2K/3K FIN	8-Kai SEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-016	SkewCorrectCtrlSW:2K/3K FIN	16-Kai SEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-017	SkewCorrectCtrlSW:2K/3K FIN	16-Kai LEF	ENG	[0 to 1 / 0 / 1] 0: With Buckle Adj 1: Without Buckle Adj
6-103-018	SkewCorrectCtrlSW:2K/3K FIN	Other	ENG	[0 to 1 / 0 / 1] 0: Adj Skew 1: No Skew Adj
6-104-001	ShiftTrayJogPosAdj:2K/3K FIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-002	ShiftTrayJogPosAdj:2K/3K FIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-	ShiftTrayJogPosAdj:2K/3K FIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
6-104-004	ShiftTrayJogPosAdj:2K/3K FIN	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-005	ShiftTrayJogPosAdj:2K/3K FIN	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-006	ShiftTrayJogPosAdj:2K/3K FIN	A5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-007	ShiftTrayJogPosAdj:2K/3K FIN	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-008	ShiftTrayJogPosAdj:2K/3K FIN	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-009	ShiftTrayJogPosAdj:2K/3K FIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-010	ShiftTrayJogPosAdj:2K/3K FIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-011	ShiftTrayJogPosAdj:2K/3K FIN	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-012	ShiftTrayJogPosAdj:2K/3K FIN	HLT-LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-013	ShiftTrayJogPosAdj:2K/3K FIN	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-104-014	ShiftTrayJogPosAdj:2K/3K FIN	16-Kai LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-	ShiftTrayJogPosAdj:2K/3K FIN	Other	ENG	[-1.5 to 1.5 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104-015				0.5mm]
6-105-001	ShftTJogRtrctAngAdj:2K/3K FIN	A3 SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-002	ShftTJogRtrctAngAdj:2K/3K FIN	B4 SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-003	ShftTJogRtrctAngAdj:2K/3K FIN	A4 SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-004	ShftTJogRtrctAngAdj:2K/3K FIN	DLT SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-005	ShftTJogRtrctAngAdj:2K/3K FIN	LG SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-006	ShftTJogRtrctAngAdj:2K/3K FIN	Oficio SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-007	ShftTJogRtrctAngAdj:2K/3K FIN	LT SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-008	ShftTJogRtrctAngAdj:2K/3K FIN	8-Kai SEF	ENG	[-10 to 10 / 0 / 5deg]
6-105-009	ShftTJogRtrctAngAdj:2K/3K FIN	Other	ENG	[-10 to 10 / 0 / 5deg]
6-106-001	Use Paper Jogger: 2K/3K FIN	A3 SEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-	Use Paper Jogger: 2K/3K FIN	B4 SEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				Jog 1: Forbid Output Jog
6-106-003	Use Paper Jogger: 2K/3K FIN	A4 SEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-004	Use Paper Jogger: 2K/3K FIN	A4 LEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-005	Use Paper Jogger: 2K/3K FIN	B5 LEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-006	Use Paper Jogger: 2K/3K FIN	A5 LEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-007	Use Paper Jogger: 2K/3K FIN	DLT SEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-008	Use Paper Jogger: 2K/3K FIN	LG SEF	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-106-009	Use Paper Jogger: 2K/3K FIN	Oficio SEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-106-010	Use Paper Jogger: 2K/3K FIN	LT SEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off
6-106-011	Use Paper Jogger: 2K/3K FIN	LT LEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off
6-106-012	Use Paper Jogger: 2K/3K FIN	HLT-LEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off
6-106-013	Use Paper Jogger: 2K/3K FIN	8-Kai SEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off
6-106-014	Use Paper Jogger: 2K/3K FIN	16-Kai LEF	ENG	[0 to 1 / 0 / 1] 0: Jogging On 1: Jogging Off
6-106-015	Use Paper Jogger: 2K/3K FIN	Other	ENG	[0 to 1 / 0 / 1] 0: Allow Output Jog 1: Forbid Output Jog
6-107-001	JogPosAdj(CrnStplr):2K/3K FIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-002	JogPosAdj(CrnStplr):2K/3K FIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-003	JogPosAdj(CrnStplr):2K/3K FIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-004	JogPosAdj(CrnStplr):2K/3K FIN	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-005	JogPosAdj(CrnStplr):2K/3K FIN	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-	JogPosAdj(CrnStplr):2K/3K FIN	B5 LEF	ENG	[-1.5 to 1.5 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107-006				0.5mm]
6-107-007	JogPosAdj(CrnStplr):2K/3K FIN	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-008	JogPosAdj(CrnStplr):2K/3K FIN	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-009	JogPosAdj(CrnStplr):2K/3K FIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-010	JogPosAdj(CrnStplr):2K/3K FIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-011	JogPosAdj(CrnStplr):2K/3K FIN	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-012	JogPosAdj(CrnStplr):2K/3K FIN	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-013	JogPosAdj(CrnStplr):2K/3K FIN	16-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-014	JogPosAdj(CrnStplr):2K/3K FIN	16-Kai LEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-107-015	JogPosAdj(CrnStplr):2K/3K FIN	Other	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-001	JogPosAdj(BookStplr):2K/3K FIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-002	JogPosAdj(BookStplr):2K/3K FIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-108-003	JogPosAdj(BookStplr):2K/3K FIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-004	JogPosAdj(BookStplr):2K/3K FIN	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-005	JogPosAdj(BookStplr):2K/3K FIN	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-006	JogPosAdj(BookStplr):2K/3K FIN	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-007	JogPosAdj(BookStplr):2K/3K FIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-008	JogPosAdj(BookStplr):2K/3K FIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-009	JogPosAdj(BookStplr):2K/3K FIN	12"*18"	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-010	JogPosAdj(BookStplr):2K/3K FIN	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-108-011	JogPosAdj(BookStplr):2K/3K FIN	Other	ENG	[-1.5 to 1.5 / 0 / 0.5mm]
6-109-001	CmnrStplrJogTimeAdj:2K/3K FIN	A3 SEF	ENG	[0 to 2 / 0 / 1times]
6-109-002	CmnrStplrJogTimeAdj:2K/3K FIN	B4 SEF	ENG	[0 to 2 / 0 / 1times]
6-109-003	CmnrStplrJogTimeAdj:2K/3K FIN	A4 SEF	ENG	[0 to 2 / 0 / 1times]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-109-004	CrnStplrJogTimeAdj:2K/3K FIN	A4 LEF	ENG	[0 to 2 / 0 / 1times]
6-109-005	CrnStplrJogTimeAdj:2K/3K FIN	B5 SEF	ENG	[0 to 2 / 0 / 1times]
6-109-006	CrnStplrJogTimeAdj:2K/3K FIN	B5 LEF	ENG	[0 to 2 / 0 / 1times]
6-109-007	CrnStplrJogTimeAdj:2K/3K FIN	DLT SEF	ENG	[0 to 2 / 0 / 1times]
6-109-008	CrnStplrJogTimeAdj:2K/3K FIN	LG SEF	ENG	[0 to 2 / 0 / 1times]
6-109-009	CrnStplrJogTimeAdj:2K/3K FIN	Oficio SEF	ENG	[0 to 2 / 0 / 1times]
6-109-010	CrnStplrJogTimeAdj:2K/3K FIN	LT SEF	ENG	[0 to 2 / 0 / 1times]
6-109-011	CrnStplrJogTimeAdj:2K/3K FIN	LT LEF	ENG	[0 to 2 / 0 / 1times]
6-109-012	CrnStplrJogTimeAdj:2K/3K FIN	8-Kai SEF	ENG	[0 to 2 / 0 / 1times]
6-109-013	CrnStplrJogTimeAdj:2K/3K FIN	16-Kai SEF	ENG	[0 to 2 / 0 / 1times]
6-109-014	CrnStplrJogTimeAdj:2K/3K FIN	16-Kai LEF	ENG	[0 to 2 / 0 / 1times]
6-109-015	CrnStplrJogTimeAdj:2K/3K FIN	Other	ENG	[0 to 2 / 0 / 1times]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-110-001	BookStplrJogTimeAdj:2K/3K FIN	A3 SEF	ENG	[0 to 2 / 0 / 1times]
6-110-002	BookStplrJogTimeAdj:2K/3K FIN	B4 SEF	ENG	[0 to 2 / 0 / 1times]
6-110-003	BookStplrJogTimeAdj:2K/3K FIN	A4 SEF	ENG	[0 to 2 / 0 / 1times]
6-110-004	BookStplrJogTimeAdj:2K/3K FIN	B5 SEF	ENG	[0 to 2 / 0 / 1times]
6-110-005	BookStplrJogTimeAdj:2K/3K FIN	DLT SEF	ENG	[0 to 2 / 0 / 1times]
6-110-006	BookStplrJogTimeAdj:2K/3K FIN	LG SEF	ENG	[0 to 2 / 0 / 1times]
6-110-007	BookStplrJogTimeAdj:2K/3K FIN	Oficio SEF	ENG	[0 to 2 / 0 / 1times]
6-110-008	BookStplrJogTimeAdj:2K/3K FIN	LT SEF	ENG	[0 to 2 / 0 / 1times]
6-110-009	BookStplrJogTimeAdj:2K/3K FIN	12"*18"	ENG	[0 to 2 / 0 / 1times]
6-110-010	BookStplrJogTimeAdj:2K/3K FIN	8-Kai SEF	ENG	[0 to 2 / 0 / 1times]
6-110-011	BookStplrJogTimeAdj:2K/3K FIN	Other	ENG	[0 to 2 / 0 / 1times]
6-111-001	Staple Position Adj: 2K/3K FIN	A3 SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-111-002	Staple Position Adj: 2K/3K FIN	B4 SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-003	Staple Position Adj: 2K/3K FIN	A4 SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-004	Staple Position Adj: 2K/3K FIN	A4 LEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-005	Staple Position Adj: 2K/3K FIN	B5 SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-006	Staple Position Adj: 2K/3K FIN	B5 LEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-007	Staple Position Adj: 2K/3K FIN	DLT SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-008	Staple Position Adj: 2K/3K FIN	LG SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-009	Staple Position Adj: 2K/3K FIN	Oficio SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-010	Staple Position Adj: 2K/3K FIN	LT SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-011	Staple Position Adj: 2K/3K FIN	LT LEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-012	Staple Position Adj: 2K/3K FIN	8-Kai SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-013	Staple Position Adj: 2K/3K FIN	16-Kai SEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-111-014	Staple Position Adj: 2K/3K FIN	16-Kai LEF	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-111-015	Staple Position Adj: 2K/3K FIN	Other	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-112-001	BookletStaplerPosAdj:2K/3K FIN	A3 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-002	BookletStaplerPosAdj:2K/3K FIN	B4 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-003	BookletStaplerPosAdj:2K/3K FIN	A4 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-004	BookletStaplerPosAdj:2K/3K FIN	B5 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-005	BookletStaplerPosAdj:2K/3K FIN	DLT SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-006	BookletStaplerPosAdj:2K/3K FIN	LG SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-007	BookletStaplerPosAdj:2K/3K FIN	Oficio SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-008	BookletStaplerPosAdj:2K/3K FIN	LT SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-112-009	BookletStaplerPosAdj:2K/3K FIN	12"x18"	ENG	[-1.8 to 1.8 / 0 / 0.2mm]
6-112-010	BookletStaplerPosAdj:2K/3K FIN	8-Kai SEF	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-112-011	BookletStaplerPosAdj:2K/3K FIN	Other	ENG	[-1.8 to 1.8 / 0 / 0.2mm]
6-113-001	BookletFolderPosAdj:2K/3K FIN	A3 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-002	BookletFolderPosAdj:2K/3K FIN	B4 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-003	BookletFolderPosAdj:2K/3K FIN	A4 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-004	BookletFolderPosAdj:2K/3K FIN	B5 SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-005	BookletFolderPosAdj:2K/3K FIN	DLT SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-006	BookletFolderPosAdj:2K/3K FIN	LG SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-007	BookletFolderPosAdj:2K/3K FIN	Oficio SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-008	BookletFolderPosAdj:2K/3K FIN	LT SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-009	BookletFolderPosAdj:2K/3K FIN	12"*18"	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-010	BookletFolderPosAdj:2K/3K FIN	8-Kai SEF	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-011	BookletFolderPosAdj:2K/3K FIN	Other	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-113-012	BookletFolderPosAdj:2K/3K FIN	A3 SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-013	BookletFolderPosAdj:2K/3K FIN	A3 SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-014	BookletFolderPosAdj:2K/3K FIN	A3 SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-015	BookletFolderPosAdj:2K/3K FIN	A3 SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-016	BookletFolderPosAdj:2K/3K FIN	B4 SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-017	BookletFolderPosAdj:2K/3K FIN	B4 SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-018	BookletFolderPosAdj:2K/3K FIN	B4 SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-019	BookletFolderPosAdj:2K/3K FIN	B4 SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-020	BookletFolderPosAdj:2K/3K FIN	A4 SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-021	BookletFolderPosAdj:2K/3K FIN	A4 SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-022	BookletFolderPosAdj:2K/3K FIN	A4 SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-023	BookletFolderPosAdj:2K/3K FIN	A4 SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-113-024	BookletFolderPosAdj:2K/3K FIN	B5 SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-025	BookletFolderPosAdj:2K/3K FIN	B5 SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-026	BookletFolderPosAdj:2K/3K FIN	B5 SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-027	BookletFolderPosAdj:2K/3K FIN	B5 SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-028	BookletFolderPosAdj:2K/3K FIN	DLT SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-029	BookletFolderPosAdj:2K/3K FIN	DLT SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-030	BookletFolderPosAdj:2K/3K FIN	DLT SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-031	BookletFolderPosAdj:2K/3K FIN	DLT SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-032	BookletFolderPosAdj:2K/3K FIN	LG SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-033	BookletFolderPosAdj:2K/3K FIN	LG SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-034	BookletFolderPosAdj:2K/3K FIN	LG SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-035	BookletFolderPosAdj:2K/3K FIN	LG SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-113-036	BookletFolderPosAdj:2K/3K FIN	Oficio SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-037	BookletFolderPosAdj:2K/3K FIN	Oficio SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-038	BookletFolderPosAdj:2K/3K FIN	Oficio SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-039	BookletFolderPosAdj:2K/3K FIN	Oficio SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-040	BookletFolderPosAdj:2K/3K FIN	LT SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-041	BookletFolderPosAdj:2K/3K FIN	LT SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-042	BookletFolderPosAdj:2K/3K FIN	LT SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-043	BookletFolderPosAdj:2K/3K FIN	LT SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-044	BookletFolderPosAdj:2K/3K FIN	12"x18"(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-045	BookletFolderPosAdj:2K/3K FIN	12"x18"(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-046	BookletFolderPosAdj:2K/3K FIN	12"x18"(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-047	BookletFolderPosAdj:2K/3K FIN	12"x18"(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-113-048	BookletFolderPosAdj:2K/3K FIN	8K SEF(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-049	BookletFolderPosAdj:2K/3K FIN	8K SEF(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-050	BookletFolderPosAdj:2K/3K FIN	8K SEF(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-051	BookletFolderPosAdj:2K/3K FIN	8K SEF(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-052	BookletFolderPosAdj:2K/3K FIN	Other(1-5)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-053	BookletFolderPosAdj:2K/3K FIN	Other(6-10)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-054	BookletFolderPosAdj:2K/3K FIN	Other(11-15)	ENG	[-3 to 3 / 0 / 0.2mm]
6-113-055	BookletFolderPosAdj:2K/3K FIN	Other(16-over)	ENG	[-3 to 3 / 0 / 0.2mm]
6-114-001	Fold Speed Adj.: 2K/3K FIN	A3 SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-002	Fold Speed Adj.: 2K/3K FIN	B4 SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-003	Fold Speed Adj.: 2K/3K FIN	A4 SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-114-004	Fold Speed Adj.: 2K/3K FIN	B5 SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-005	Fold Speed Adj.: 2K/3K FIN	DLT SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-006	Fold Speed Adj.: 2K/3K FIN	LG SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-007	Fold Speed Adj.: 2K/3K FIN	Oficio SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-008	Fold Speed Adj.: 2K/3K FIN	LT SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-009	Fold Speed Adj.: 2K/3K FIN	12"x18"	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-010	Fold Speed Adj.: 2K/3K FIN	8K SEF	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-114-011	Fold Speed Adj.: 2K/3K FIN	Other	ENG	[0 to 2 / 0 / 1] 0: Std Speed 1: Middle Speed 2: Low Speed
6-115-001	Finisher Free Run: 2K/3K FIN	Free Run 1	ENG	[0 to 1 / 0 / 1]
6-	Finisher Free Run: 2K/3K FIN	Free Run 2	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
115-002				
6-115-003	Finisher Free Run: 2K/3K FIN	Free Run 3	ENG	[0 to 1 / 0 / 1]
6-115-004	Finisher Free Run: 2K/3K FIN	Free Run 4	ENG	[0 to 1 / 0 / 1]
6-115-005	Finisher Free Run: 2K/3K FIN	Free Run 5	ENG	[0 to 1 / 0 / 1]
6-116-001	CrnRStplrMxPrstkShAdj:2K/3KFIN	A3 SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-002	CrnRStplrMxPrstkShAdj:2K/3KFIN	B4 SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-003	CrnRStplrMxPrstkShAdj:2K/3KFIN	A4 SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-004	CrnRStplrMxPrstkShAdj:2K/3KFIN	A4 LEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-005	CrnRStplrMxPrstkShAdj:2K/3KFIN	B5 SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-006	CrnRStplrMxPrstkShAdj:2K/3KFIN	B5 LEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-007	CrnRStplrMxPrstkShAdj:2K/3KFIN	DLT SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-008	CrnRStplrMxPrstkShAdj:2K/3KFIN	LG SEF	ENG	[-1 to 0 / 0 / 1sheets]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-116-009	CmnrStplrMxPrstkShAdj:2K/3KFIN	Oficio SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-010	CmnrStplrMxPrstkShAdj:2K/3KFIN	LT SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-011	CmnrStplrMxPrstkShAdj:2K/3KFIN	LT LEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-012	CmnrStplrMxPrstkShAdj:2K/3KFIN	8-Kai SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-013	CmnrStplrMxPrstkShAdj:2K/3KFIN	16-Kai SEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-014	CmnrStplrMxPrstkShAdj:2K/3KFIN	16-Kai LEF	ENG	[-1 to 0 / 0 / 1sheets]
6-116-015	CmnrStplrMxPrstkShAdj:2K/3KFIN	Other	ENG	[-1 to 0 / 0 / 1sheets]
6-117-001	BookStplrMxPrstkShAdj:2K/3KFIN	A3 SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-002	BookStplrMxPrstkShAdj:2K/3KFIN	B4 SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-003	BookStplrMxPrstkShAdj:2K/3KFIN	A4 SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-004	BookStplrMxPrstkShAdj:2K/3KFIN	B5 SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-005	BookStplrMxPrstkShAdj:2K/3KFIN	DLT SEF	ENG	[-2 to 0 / 0 / 1sheets]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-117-006	BookStplrMxPrstkShAdj:2K/3KFIN	LG SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-007	BookStplrMxPrstkShAdj:2K/3KFIN	Oficio SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-008	BookStplrMxPrstkShAdj:2K/3KFIN	LT SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-009	BookStplrMxPrstkShAdj:2K/3KFIN	12"*18"	ENG	[-2 to 0 / 0 / 1sheets]
6-117-010	BookStplrMxPrstkShAdj:2K/3KFIN	8-Kai SEF	ENG	[-2 to 0 / 0 / 1sheets]
6-117-011	BookStplrMxPrstkShAdj:2K/3KFIN	Other	ENG	[-2 to 0 / 0 / 1sheets]
6-118-001	CrnRStplrPrstkOffsAdj:2K/3KFIN	A3 SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-002	CrnRStplrPrstkOffsAdj:2K/3KFIN	B4 SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-003	CrnRStplrPrstkOffsAdj:2K/3KFIN	A4 SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-004	CrnRStplrPrstkOffsAdj:2K/3KFIN	A4 LEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-005	CrnRStplrPrstkOffsAdj:2K/3KFIN	B5 SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-006	CrnRStplrPrstkOffsAdj:2K/3KFIN	B5 LEF	ENG	[-16 to 16 / 0 / 2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-118-007	CmnrStplrPrstkOffsAdj:2K/3KFIN	DLT SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-008	CmnrStplrPrstkOffsAdj:2K/3KFIN	LG SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-009	CmnrStplrPrstkOffsAdj:2K/3KFIN	Oficio SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-010	CmnrStplrPrstkOffsAdj:2K/3KFIN	LT SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-011	CmnrStplrPrstkOffsAdj:2K/3KFIN	LT LEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-012	CmnrStplrPrstkOffsAdj:2K/3KFIN	8-Kai SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-013	CmnrStplrPrstkOffsAdj:2K/3KFIN	16-Kai SEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-014	CmnrStplrPrstkOffsAdj:2K/3KFIN	16-Kai LEF	ENG	[-16 to 16 / 0 / 2mm]
6-118-015	CmnrStplrPrstkOffsAdj:2K/3KFIN	Other	ENG	[-16 to 16 / 0 / 2mm]
6-119-001	BookStplrPrstkOffsAdj:2K/3KFIN	A3 SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-002	BookStplrPrstkOffsAdj:2K/3KFIN	B4 SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-003	BookStplrPrstkOffsAdj:2K/3KFIN	A4 SEF	ENG	[-30 to 30 / 0 / 2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-119-004	BookStplrPrstkOffsAdj:2K/3KFIN	B5 SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-005	BookStplrPrstkOffsAdj:2K/3KFIN	DLT SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-006	BookStplrPrstkOffsAdj:2K/3KFIN	LG SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-007	BookStplrPrstkOffsAdj:2K/3KFIN	Oficio SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-008	BookStplrPrstkOffsAdj:2K/3KFIN	LT SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-009	BookStplrPrstkOffsAdj:2K/3KFIN	12"*18"	ENG	[-30 to 30 / 0 / 2mm]
6-119-010	BookStplrPrstkOffsAdj:2K/3KFIN	8-Kai SEF	ENG	[-30 to 30 / 0 / 2mm]
6-119-011	BookStplrPrstkOffsAdj:2K/3KFIN	Other	ENG	[-30 to 30 / 0 / 2mm]
6-120-001	CrnStpPosExFeedAmtAdj:2K/3KFIN	A3 SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-002	CrnStpPosExFeedAmtAdj:2K/3KFIN	B4 SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-003	CrnStpPosExFeedAmtAdj:2K/3KFIN	A4 SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-004	CrnStpPosExFeedAmtAdj:2K/3KFIN	A4 LEF	ENG	[0 to 30 / 0 / 10mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-120-005	CrnStpPosExFeedAmtAdj:2K/3KFIN	B5 SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-006	CrnStpPosExFeedAmtAdj:2K/3KFIN	B5 LEF	ENG	[0 to 30 / 0 / 10mm]
6-120-007	CrnStpPosExFeedAmtAdj:2K/3KFIN	DLT SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-008	CrnStpPosExFeedAmtAdj:2K/3KFIN	LG SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-009	CrnStpPosExFeedAmtAdj:2K/3KFIN	Oficio SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-010	CrnStpPosExFeedAmtAdj:2K/3KFIN	LT SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-011	CrnStpPosExFeedAmtAdj:2K/3KFIN	LT LEF	ENG	[0 to 30 / 0 / 10mm]
6-120-012	CrnStpPosExFeedAmtAdj:2K/3KFIN	8-Kai SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-013	CrnStpPosExFeedAmtAdj:2K/3KFIN	16-Kai SEF	ENG	[0 to 30 / 0 / 10mm]
6-120-014	CrnStpPosExFeedAmtAdj:2K/3KFIN	16-Kai LEF	ENG	[0 to 30 / 0 / 10mm]
6-120-015	CrnStpPosExFeedAmtAdj:2K/3KFIN	Other	ENG	[0 to 30 / 0 / 10mm]
6-121-001	NV Adjustment Data Update	Jogger Position Process Adjustment	ENG	[-3 to 3 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-121-002	NV Adjustment Data Update	Fold Position Process Adjustment	ENG	[-1.4 to 1.4 / 0 / 0.2mm]
6-122-001	BkFoldJogSolMovAmtAdj:2K/3KFIN	A3 SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-002	BkFoldJogSolMovAmtAdj:2K/3KFIN	B4 SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-003	BkFoldJogSolMovAmtAdj:2K/3KFIN	A4 SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-004	BkFoldJogSolMovAmtAdj:2K/3KFIN	B5 SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-005	BkFoldJogSolMovAmtAdj:2K/3KFIN	DLT SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-006	BkFoldJogSolMovAmtAdj:2K/3KFIN	LG SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-007	BkFoldJogSolMovAmtAdj:2K/3KFIN	Oficio SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-008	BkFoldJogSolMovAmtAdj:2K/3KFIN	LT SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-009	BkFoldJogSolMovAmtAdj:2K/3KFIN	12"*18"	ENG	[-5 to 5 / 0 / 1mm]
6-122-010	BkFoldJogSolMovAmtAdj:2K/3KFIN	8-Kai SEF	ENG	[-5 to 5 / 0 / 1mm]
6-122-011	BkFoldJogSolMovAmtAdj:2K/3KFIN	Other	ENG	[-5 to 5 / 0 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-125-001	Use Paper Guide(Big Size)	All Size	ENG	[0 to 1 / 1 / 1] 0: Guide On 1: Guide Off
6-126-001	Use Paper Guide(Small Size)	All Size	ENG	[0 to 1 / 0 / 1] 0: Guide On 1: Guide Off
6-127-001	Paper Guide PossAdj:2K/3K FIN	All Size	ENG	[-10 to 10 / 0 / 1mm]
6-128-001	Paper Guide RetraAdj:2K/3K FIN	All Size	ENG	[-50 to 50 / 0 / 5mm]
6-129-001	Paper Guide AceptAdj:2K/3K FIN	All Size	ENG	[-50 to 50 / 0 / 5msec]
6-140-001	PuncPoAdjSubscan3KFIN(100Bind)	2-Hole: DOM	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-140-002	PuncPoAdjSubscan3KFIN(100Bind)	3-Hole: NA	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-140-003	PuncPoAdjSubscan3KFIN(100Bind)	4-Hole: EU	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-140-004	PuncPoAdjSubscan3KFIN(100Bind)	5-Hole: SCAN	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-140-005	PuncPoAdjSubscan3KFIN(100Bind)	2-Hole: NA	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-140-006	PuncPoAdjSubscan3KFIN(100Bind)	1-Hole: DOM	ENG	[-7.5 to 7.5 / 0 / 0.5mm]
6-141-001	Jogger Pos Adj:3K FIN(100Bind)	A3 SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-141-002	Jogger Pos Adj:3K FIN(100Bind)	B4 SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-003	Jogger Pos Adj:3K FIN(100Bind)	A4 SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-004	Jogger Pos Adj:3K FIN(100Bind)	A4Y	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-005	Jogger Pos Adj:3K FIN(100Bind)	B5T	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-006	Jogger Pos Adj:3K FIN(100Bind)	B5Y	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-007	Jogger Pos Adj:3K FIN(100Bind)	DLT SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-008	Jogger Pos Adj:3K FIN(100Bind)	LG SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-009	Jogger Pos Adj:3K FIN(100Bind)	LT SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-010	Jogger Pos Adj:3K FIN(100Bind)	LT-Y	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-011	Jogger Pos Adj:3K FIN(100Bind)	Oficio SEF	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-141-012	Jogger Pos Adj:3K FIN(100Bind)	Other	ENG	[-2 to 1.5 / 0 / 0.5mm]
6-142-001	Staple Pos Adj: 3KFIN(100Bind)	A3 SEF	ENG	[-2 to 2 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-142-002	Staple Pos Adj: 3KFIN(100Bind)	B4 SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-003	Staple Pos Adj: 3KFIN(100Bind)	A4 SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-004	Staple Pos Adj: 3KFIN(100Bind)	A4Y	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-005	Staple Pos Adj: 3KFIN(100Bind)	B5T	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-006	Staple Pos Adj: 3KFIN(100Bind)	B5Y	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-007	Staple Pos Adj: 3KFIN(100Bind)	DLT SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-008	Staple Pos Adj: 3KFIN(100Bind)	LG SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-009	Staple Pos Adj: 3KFIN(100Bind)	LT SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-010	Staple Pos Adj: 3KFIN(100Bind)	LT-Y	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-011	Staple Pos Adj: 3KFIN(100Bind)	Oficio SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-142-012	Staple Pos Adj: 3KFIN(100Bind)	Other	ENG	[-2 to 2 / 0 / 0.5mm]
6-143-001	ShiftJogPosAdj:3K FIN(100Bind)	A3 SEF	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-143-002	ShiftJogPosAdj:3K FIN(100Bind)	B4 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-003	ShiftJogPosAdj:3K FIN(100Bind)	A4 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-004	ShiftJogPosAdj:3K FIN(100Bind)	A4Y	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-005	ShiftJogPosAdj:3K FIN(100Bind)	B5T	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-006	ShiftJogPosAdj:3K FIN(100Bind)	B5Y	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-007	ShiftJogPosAdj:3K FIN(100Bind)	A5T	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-008	ShiftJogPosAdj:3K FIN(100Bind)	A5Y	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-009	ShiftJogPosAdj:3K FIN(100Bind)	DLT SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-010	ShiftJogPosAdj:3K FIN(100Bind)	LG SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-011	ShiftJogPosAdj:3K FIN(100Bind)	LT SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-012	ShiftJogPosAdj:3K FIN(100Bind)	LT-Y	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-013	ShiftJogPosAdj:3K FIN(100Bind)	HLT-T	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-143-014	ShiftJogPosAdj:3K FIN(100Bind)	HLT-Y	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-015	ShiftJogPosAdj:3K FIN(100Bind)	Oficio SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-143-016	ShiftJogPosAdj:3K FIN(100Bind)	Other	ENG	[-3 to 3 / 0 / 0.1mm]
6-144-001	MxPrstkShAdj:3KFIN(100Bind)	A4Y	ENG	[0 to 2 / 2 / 1sheets] 0: None 2: 2 Sheets
6-144-002	MxPrstkShAdj:3KFIN(100Bind)	B5Y	ENG	[0 to 2 / 2 / 1sheets] 0: None 2: 2 Sheets
6-144-003	MxPrstkShAdj:3KFIN(100Bind)	LT-Y	ENG	[0 to 2 / 2 / 1sheets] 0: None 2: 2 Sheets
6-144-004	MxPrstkShAdj:3KFIN(100Bind)	Other	ENG	[0 to 2 / 2 / 1sheets] 0: None 2: 2 Sheets
6-145-001	LE StopPressAdj:3KFIN(100Bind)	A4Y	ENG	[-5 to 10 / 0 / 0.1mm]
6-145-002	LE StopPressAdj:3KFIN(100Bind)	B5Y	ENG	[-5 to 2 / 0 / 0.1mm]
6-145-003	LE StopPressAdj:3KFIN(100Bind)	LT-Y	ENG	[-5 to 10 / 0 / 0.1mm]
6-145-	LE StopPressAdj:3KFIN(100Bind)	Other	ENG	[-5 to 10 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
6-146-001	StapleJogTimes: 3KFIN(100Bind)		ENG	[0 to 1 / 0 / 1times] 0: Default 1: +1 Time
6-162-001	Free Run Print Post		ENG	[0 to 1 / 0 / 1]
6-165-001	PrioritySizeSetting:1-TrayCIT	A3SEF/12"*18"	ENG	[0 to 1 / 0 / 1] 0: A3 SEF 1: 12 * 18 SEF
6-165-002	PrioritySizeSetting:1-TrayCIT	EU/CHN/Taiwan:8.5"*13"	ENG	[0 to 2 / 0 / 1] 0: 8 1/2 * 13 SEF 1: 8 * 13 SEF 2: 8 1/4 * 13 SEF
6-165-003	PrioritySizeSetting:1-TrayCIT	NA:8.5"*14"	ENG	[0 to 1 / 0 / 1] 0: 8 1/2 * 14 SEF 1: 8 1/2 * 13 SEF
6-165-004	PrioritySizeSetting:1-TrayCIT	NA:11"*8.5"	ENG	[0 to 1 / 0 / 1] 0: LT LEF 1: 10 1/2 * 7 1/4 LEF
6-165-005	PrioritySizeSetting:1-TrayCIT	NA:8.5"*11"	ENG	[0 to 1 / 0 / 1] 0: LT SEF 1: 8 * 10 SEF
6-165-006	PrioritySizeSetting:1-TrayCIT	EU/CHN/Taiwan:8K	ENG	[0 to 1 / 0 / 1] 0: 8-Kai SEF 1: DLT SEF
6-165-007	PrioritySizeSetting:1-TrayCIT	EU/CHN/Taiwan:16K(267*195)	ENG	[0 to 1 / 0 / 1] 0: 16-Kai SEF 1: LT SEF
6-	PrioritySizeSetting:1-TrayCIT	EU/CHN/Taiwan:16K(195*267)	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165-008				0: 16-Kai LEF 1: LT LEF
6-172-001	Free Run Slide Sort Tray		ENG	[0 to 1 / 0 / 1]
6-200-001	BookStaple:PosAdj: 2.5K/3K FIN	13" x 19.2" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-002	BookStaple:PosAdj: 2.5K/3K FIN	13" x 19" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-003	BookStaple:PosAdj: 2.5K/3K FIN	12.6" x 19.2" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-004	BookStaple:PosAdj: 2.5K/3K FIN	12.6" x 18.5" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-005	BookStaple:PosAdj: 2.5K/3K FIN	13" x 18" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-006	BookStaple:PosAdj: 2.5K/3K FIN	SRA3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-007	BookStaple:PosAdj: 2.5K/3K FIN	12" x 18" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-008	BookStaple:PosAdj: 2.5K/3K FIN	A3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-009	BookStaple:PosAdj: 2.5K/3K FIN	B4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-010	BookStaple:PosAdj: 2.5K/3K FIN	SRA4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-200-011	BookStaple:PosAdj: 2.5K/3K FIN	226x310mm SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-012	BookStaple:PosAdj: 2.5K/3K FIN	310x432mm SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-013	BookStaple:PosAdj: 2.5K/3K FIN	A4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-014	BookStaple:PosAdj: 2.5K/3K FIN	B5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-015	BookStaple:PosAdj: 2.5K/3K FIN	DLT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-016	BookStaple:PosAdj: 2.5K/3K FIN	LG SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-017	BookStaple:PosAdj: 2.5K/3K FIN	LT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-018	BookStaple:PosAdj: 2.5K/3K FIN	8K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-019	BookStaple:PosAdj: 2.5K/3K FIN	16K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-020	BookStaple:PosAdj: 2.5K/3K FIN	Oficio SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-200-021	BookStaple:PosAdj: 2.5K/3K FIN	Other	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-001	BookFold:PosAdj: 2.5K/3K FIN	13" x 19.2" SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-201-002	BookFold:PosAdj:2.5K/3K FIN	13" x 19" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-003	BookFold:PosAdj:2.5K/3K FIN	12.6" x 19.2" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-004	BookFold:PosAdj:2.5K/3K FIN	12.6" x 18.5" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-005	BookFold:PosAdj:2.5K/3K FIN	13" x 18" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-006	BookFold:PosAdj:2.5K/3K FIN	SRA3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-007	BookFold:PosAdj:2.5K/3K FIN	12" x 18" SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-008	BookFold:PosAdj:2.5K/3K FIN	A3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-009	BookFold:PosAdj:2.5K/3K FIN	B4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-010	BookFold:PosAdj:2.5K/3K FIN	SRA4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-011	BookFold:PosAdj:2.5K/3K FIN	226x310mm SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-012	BookFold:PosAdj:2.5K/3K FIN	310x432mm SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-013	BookFold:PosAdj:2.5K/3K FIN	A4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-201-014	BookFold:PosAdj:2.5K/3K FIN	B5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-015	BookFold:PosAdj:2.5K/3K FIN	DLT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-016	BookFold:PosAdj:2.5K/3K FIN	LG SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-017	BookFold:PosAdj:2.5K/3K FIN	LT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-018	BookFold:PosAdj:2.5K/3K FIN	8K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-019	BookFold:PosAdj:2.5K/3K FIN	16K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-020	BookFold:PosAdj:2.5K/3K FIN	Oficio SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-201-021	BookFold:PosAdj:2.5K/3K FIN	Other	ENG	[-2 to 2 / 0 / 0.1mm]
6-202-001	BookStple:Jog.Adj: 2.5K/3K FIN	13" x 19.2" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-002	BookStple:Jog.Adj: 2.5K/3K FIN	13" x 19" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-003	BookStple:Jog.Adj: 2.5K/3K FIN	12.6" x 19.2" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-004	BookStple:Jog.Adj: 2.5K/3K FIN	12.6" x 18.5" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-202-005	BookStple:Jog.Adj: 2.5K/3K FIN	13" x 18" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-006	BookStple:Jog.Adj: 2.5K/3K FIN	SRA3 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-007	BookStple:Jog.Adj: 2.5K/3K FIN	12" x 18" SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-008	BookStple:Jog.Adj: 2.5K/3K FIN	A3 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-009	BookStple:Jog.Adj: 2.5K/3K FIN	B4 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-010	BookStple:Jog.Adj: 2.5K/3K FIN	SRA4 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-011	BookStple:Jog.Adj: 2.5K/3K FIN	226x310mm SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-012	BookStple:Jog.Adj: 2.5K/3K FIN	310x432mm SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-013	BookStple:Jog.Adj: 2.5K/3K FIN	A4 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-014	BookStple:Jog.Adj: 2.5K/3K FIN	B5 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-015	BookStple:Jog.Adj: 2.5K/3K FIN	DLT SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-016	BookStple:Jog.Adj: 2.5K/3K FIN	LG SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-202-017	BookStple:Jog.Adj: 2.5K/3K FIN	LT SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-018	BookStple:Jog.Adj: 2.5K/3K FIN	8K SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-019	BookStple:Jog.Adj: 2.5K/3K FIN	16K SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-020	BookStple:Jog.Adj: 2.5K/3K FIN	Oficio SEF	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-202-021	BookStple:Jog.Adj: 2.5K/3K FIN	Other	ENG	[-0.5 to 0.5 / 0 / 0.1mm]
6-203-001	BkStple:FoldCntAdj: 2.5K/3KFIN		ENG	[-3 to 9 / 0 / 1]
6-204-001	BkFold:PlateAdj:2.5K/3K FIN		ENG	[-3 to 0 / 0 / 0.5mm]
6-205-001	BookStple:PawAdj:2.5K/3K FIN	13" x 19.2" SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-002	BookStple:PawAdj:2.5K/3K FIN	13" x 19" SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-003	BookStple:PawAdj:2.5K/3K FIN	12.6" x 19.2" SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-004	BookStple:PawAdj:2.5K/3K FIN	12.6" x 18.5" SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-005	BookStple:PawAdj:2.5K/3K FIN	13" x 18" SEF	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-205-006	BookStple:PawAdj:2.5K/3K FIN	SRA3 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-007	BookStple:PawAdj:2.5K/3K FIN	12" x 18" SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-008	BookStple:PawAdj:2.5K/3K FIN	A3 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-009	BookStple:PawAdj:2.5K/3K FIN	B4 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-010	BookStple:PawAdj:2.5K/3K FIN	SRA4 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-011	BookStple:PawAdj:2.5K/3K FIN	226x310mm SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-012	BookStple:PawAdj:2.5K/3K FIN	310x432mm SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-013	BookStple:PawAdj:2.5K/3K FIN	A4 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-014	BookStple:PawAdj:2.5K/3K FIN	B5 SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-015	BookStple:PawAdj:2.5K/3K FIN	DLT SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-016	BookStple:PawAdj:2.5K/3K FIN	LG SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-017	BookStple:PawAdj:2.5K/3K FIN	LT SEF	ENG	[-3 to 3 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-205-018	BookStple:PawAdj:2.5K/3K FIN	8K SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-019	BookStple:PawAdj:2.5K/3K FIN	16K SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-020	BookStple:PawAdj:2.5K/3K FIN	Oficio SEF	ENG	[-3 to 3 / 0 / 0.1mm]
6-205-021	BookStple:PawAdj:2.5K/3K FIN	Other	ENG	[-3 to 3 / 0 / 0.1mm]
6-206-001	BkStple:TraySpdAdj:2.5K/3KFIN		ENG	[-5 to 5 / 0 / 0.1%]
6-207-001	BkStple:MtrONtime::2.5K/3KFIN		ENG	[-20 to 20 / 0 / 1mm]
6-208-001	BkStple:MtrOFFtime:2.5K/3K FIN		ENG	[-20 to 20 / 0 / 1mm]
6-209-001	StplePosAdj:Main:Sg:2.5K/3KFIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-002	StplePosAdj:Main:Sg:2.5K/3KFIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-003	StplePosAdj:Main:Sg:2.5K/3KFIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-004	StplePosAdj:Main:Sg:2.5K/3KFIN	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-005	StplePosAdj:Main:Sg:2.5K/3KFIN	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-209-006	StplePosAdj:Main:Sg:2.5K/3KFIN	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-007	StplePosAdj:Main:Sg:2.5K/3KFIN	DLT	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-008	StplePosAdj:Main:Sg:2.5K/3KFIN	LG	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-009	StplePosAdj:Main:Sg:2.5K/3KFIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-010	StplePosAdj:Main:Sg:2.5K/3KFIN	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-011	StplePosAdj:Main:Sg:2.5K/3KFIN	8K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-012	StplePosAdj:Main:Sg:2.5K/3KFIN	16K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-013	StplePosAdj:Main:Sg:2.5K/3KFIN	16K LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-014	StplePosAdj:Main:Sg:2.5K/3KFIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-209-015	StplePosAdj:Main:Sg:2.5K/3KFIN	Other	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-210-001	StplePosSetMain:Sg:2.5K/3KFIN	A3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-002	StplePosSetMain:Sg:2.5K/3KFIN	B4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-210-003	StplePosSetMain:Sg:2.5K/3KFIN	A4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-004	StplePosSetMain:Sg:2.5K/3KFIN	A4 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-005	StplePosSetMain:Sg:2.5K/3KFIN	B5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-006	StplePosSetMain:Sg:2.5K/3KFIN	B5 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-007	StplePosSetMain:Sg:2.5K/3KFIN	DLT	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-008	StplePosSetMain:Sg:2.5K/3KFIN	LG	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-009	StplePosSetMain:Sg:2.5K/3KFIN	LT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-010	StplePosSetMain:Sg:2.5K/3KFIN	LT LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-011	StplePosSetMain:Sg:2.5K/3KFIN	8K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-012	StplePosSetMain:Sg:2.5K/3KFIN	16K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-013	StplePosSetMain:Sg:2.5K/3KFIN	16K LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-210-014	StplePosSetMain:Sg:2.5K/3KFIN	Oficio SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-210-015	StplePosSetMain:Sg:2.5K/3KFIN	Other	ENG	[-2 to 2 / 0 / 0.1mm]
6-211-001	StplePosAdj:Main:Db:2.5K/3KFIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-002	StplePosAdj:Main:Db:2.5K/3KFIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-003	StplePosAdj:Main:Db:2.5K/3KFIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-004	StplePosAdj:Main:Db:2.5K/3KFIN	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-005	StplePosAdj:Main:Db:2.5K/3KFIN	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-006	StplePosAdj:Main:Db:2.5K/3KFIN	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-007	StplePosAdj:Main:Db:2.5K/3KFIN	DLT	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-008	StplePosAdj:Main:Db:2.5K/3KFIN	LG	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-009	StplePosAdj:Main:Db:2.5K/3KFIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-010	StplePosAdj:Main:Db:2.5K/3KFIN	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-011	StplePosAdj:Main:Db:2.5K/3KFIN	8K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-211-012	StplePosAdj:Main:Db:2.5K/3KFIN	16K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-013	StplePosAdj:Main:Db:2.5K/3KFIN	16K LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-014	StplePosAdj:Main:Db:2.5K/3KFIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-211-015	StplePosAdj:Main:Db:2.5K/3KFIN	Other	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-212-001	StplePosSetMain:Db:2.5K/3KFIN	A3 SEF	ENG	[-16 to 115 / 0 / 0.1mm]
6-212-002	StplePosSetMain:Db:2.5K/3KFIN	B4 SEF	ENG	[-16 to 75 / 0 / 0.1mm]
6-212-003	StplePosSetMain:Db:2.5K/3KFIN	A4 SEF	ENG	[-16 to 28 / 0 / 0.1mm]
6-212-004	StplePosSetMain:Db:2.5K/3KFIN	A4 LEF	ENG	[-16 to 115 / 0 / 0.1mm]
6-212-005	StplePosSetMain:Db:2.5K/3KFIN	B5 SEF	ENG	[-16 to 0 / 0 / 0.1mm]
6-212-006	StplePosSetMain:Db:2.5K/3KFIN	B5 LEF	ENG	[-16 to 75 / 0 / 0.1mm]
6-212-007	StplePosSetMain:Db:2.5K/3KFIN	DLT	ENG	[-16 to 98 / 0 / 0.1mm]
6-212-008	StplePosSetMain:Db:2.5K/3KFIN	LG	ENG	[-16 to 34 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-212-009	StplePosSetMain:Db:2.5K/3KFIN	LT SEF	ENG	[-16 to 34 / 0 / 0.1mm]
6-212-010	StplePosSetMain:Db:2.5K/3KFIN	LT LEF	ENG	[-16 to 98 / 0 / 0.1mm]
6-212-011	StplePosSetMain:Db:2.5K/3KFIN	8K SEF	ENG	[-16 to 85 / 0 / 0.1mm]
6-212-012	StplePosSetMain:Db:2.5K/3KFIN	16K SEF	ENG	[-16 to 12 / 0 / 0.1mm]
6-212-013	StplePosSetMain:Db:2.5K/3KFIN	16K LEF	ENG	[-16 to 85 / 0 / 0.1mm]
6-212-014	StplePosSetMain:Db:2.5K/3KFIN	Oficio SEF	ENG	[-16 to 34 / 0 / 0.1mm]
6-212-015	StplePosSetMain:Db:2.5K/3KFIN	Other	ENG	[-16 to 115 / 0 / 0.1mm]
6-213-001	StaplePosAdj:Sub:2.5K/3KFIN	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-002	StaplePosAdj:Sub:2.5K/3KFIN	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-003	StaplePosAdj:Sub:2.5K/3KFIN	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-004	StaplePosAdj:Sub:2.5K/3KFIN	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-005	StaplePosAdj:Sub:2.5K/3KFIN	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-213-006	StaplePosAdj:Sub:2.5K/3KFIN	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-007	StaplePosAdj:Sub:2.5K/3KFIN	DLT	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-008	StaplePosAdj:Sub:2.5K/3KFIN	LG	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-009	StaplePosAdj:Sub:2.5K/3KFIN	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-010	StaplePosAdj:Sub:2.5K/3KFIN	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-011	StaplePosAdj:Sub:2.5K/3KFIN	8K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-012	StaplePosAdj:Sub:2.5K/3KFIN	16K SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-013	StaplePosAdj:Sub:2.5K/3KFIN	16K LEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-014	StaplePosAdj:Sub:2.5K/3KFIN	Oficio SEF	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-213-015	StaplePosAdj:Sub:2.5K/3KFIN	Other	ENG	[-1.5 to 1.5 / 0 / 0.1mm]
6-214-001	StaplePosSet:Sub::2.5K/3KFIN	A3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-002	StaplePosSet:Sub::2.5K/3KFIN	B4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-214-003	StaplePosSet:Sub::2.5K/3KFIN	A4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-004	StaplePosSet:Sub::2.5K/3KFIN	A4 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-005	StaplePosSet:Sub::2.5K/3KFIN	B5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-006	StaplePosSet:Sub::2.5K/3KFIN	B5 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-007	StaplePosSet:Sub::2.5K/3KFIN	DLT	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-008	StaplePosSet:Sub::2.5K/3KFIN	LG	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-009	StaplePosSet:Sub::2.5K/3KFIN	LT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-010	StaplePosSet:Sub::2.5K/3KFIN	LT LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-011	StaplePosSet:Sub::2.5K/3KFIN	8K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-012	StaplePosSet:Sub::2.5K/3KFIN	16K SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-013	StaplePosSet:Sub::2.5K/3KFIN	16K LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-214-014	StaplePosSet:Sub::2.5K/3KFIN	Oficio SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-214-015	StaplePosSet:Sub::2.5K/3KFIN	Other	ENG	[-2 to 2 / 0 / 0.1mm]
6-215-001	StaplePosDviatAdj:Sub2.5K/3KFIN		ENG	[-1 to 1 / 0 / 0.1mm]
6-216-001	StapleJoggerAdj::2.5K/3K FIN	A3 SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-002	StapleJoggerAdj::2.5K/3K FIN	B4 SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-003	StapleJoggerAdj::2.5K/3K FIN	A4 SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-004	StapleJoggerAdj::2.5K/3K FIN	A4 LEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-005	StapleJoggerAdj::2.5K/3K FIN	B5 SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-006	StapleJoggerAdj::2.5K/3K FIN	B5 LEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-007	StapleJoggerAdj::2.5K/3K FIN	DLT	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-008	StapleJoggerAdj::2.5K/3K FIN	LG	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-009	StapleJoggerAdj::2.5K/3K FIN	LT SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-010	StapleJoggerAdj::2.5K/3K FIN	LT LEF	ENG	[-1 to 1 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-216-011	StapleJoggerAdj::2.5K/3K FIN	8K SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-012	StapleJoggerAdj::2.5K/3K FIN	16K SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-013	StapleJoggerAdj::2.5K/3K FIN	16K LEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-014	StapleJoggerAdj::2.5K/3K FIN	Oficio SEF	ENG	[-1 to 1 / 0 / 0.1mm]
6-216-015	StapleJoggerAdj::2.5K/3K FIN	Other	ENG	[-1 to 1 / 0 / 0.1mm]
6-217-001	StapleJogCount: 2.5K/3K FIN		ENG	[0 to 1 / 0 / 1] 0: Default 1: +1 Time
6-218-001	LeadEdge:StopperAdj:2.5K/3KFIN	A3 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-002	LeadEdge:StopperAdj:2.5K/3KFIN	B4 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-003	LeadEdge:StopperAdj:2.5K/3KFIN	A4 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-004	LeadEdge:StopperAdj:2.5K/3KFIN	A4 LEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-005	LeadEdge:StopperAdj:2.5K/3KFIN	B5 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-006	LeadEdge:StopperAdj:2.5K/3KFIN	B5 LEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-218-007	LeadEdge:StopperAdj:2.5K/3KFIN	DLT	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-008	LeadEdge:StopperAdj:2.5K/3KFIN	LG	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-009	LeadEdge:StopperAdj:2.5K/3KFIN	LT SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-010	LeadEdge:StopperAdj:2.5K/3KFIN	LT LEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-011	LeadEdge:StopperAdj:2.5K/3KFIN	8K SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-012	LeadEdge:StopperAdj:2.5K/3KFIN	16K SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-013	LeadEdge:StopperAdj:2.5K/3KFIN	16K LEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-014	LeadEdge:StopperAdj:2.5K/3KFIN	Oficio SEF	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-218-015	LeadEdge:StopperAdj:2.5K/3KFIN	Other	ENG	[-2.5 to 2.5 / 0 / 0.5mm]
6-219-001	ExitGuideClosingTime2.5K/3KFIN		ENG	[0 to 1 / 0 / 1] 0: Default 1: Late
6-220-001	PositnRollrStartTime2.5K/3KFIN	A3 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-002	PositnRollrStartTime2.5K/3KFIN	B4 SEF	ENG	[-50 to 50 / 0 / 5msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-220-003	PositnRollrStartTime2.5K/3KFIN	A4 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-004	PositnRollrStartTime2.5K/3KFIN	A4 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-005	PositnRollrStartTime2.5K/3KFIN	B5 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-006	PositnRollrStartTime2.5K/3KFIN	B5 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-007	PositnRollrStartTime2.5K/3KFIN	DLT	ENG	[-50 to 50 / 0 / 5msec]
6-220-008	PositnRollrStartTime2.5K/3KFIN	LG	ENG	[-50 to 50 / 0 / 5msec]
6-220-009	PositnRollrStartTime2.5K/3KFIN	LT SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-010	PositnRollrStartTime2.5K/3KFIN	LT LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-011	PositnRollrStartTime2.5K/3KFIN	8K SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-012	PositnRollrStartTime2.5K/3KFIN	16K SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-013	PositnRollrStartTime2.5K/3KFIN	16K LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-014	PositnRollrStartTime2.5K/3KFIN	Oficio SEF	ENG	[-50 to 50 / 0 / 5msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-220-015	PositnRollrStartTime2.5K/3KFIN	Other	ENG	[-50 to 50 / 0 / 5msec]
6-222-001	T.EdgePressAmtAdj:2.5K/3KFIN	Paper Thickness2	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-002	T.EdgePressAmtAdj:2.5K/3KFIN	Paper Thickness3	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-003	T.EdgePressAmtAdj:2.5K/3KFIN	Paper Thickness4	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-004	T.EdgePressAmtAdj:2.5K/3KFIN	Paper Thickness5	ENG	[-3.0 to 3 / 0 / 1mm]
6-223-001	PunchPosAdj:Sub:2.5K/3KFIN	Domestic 2Hole(Europe 2Hole)	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-223-002	PunchPosAdj:Sub:2.5K/3KFIN	NA 3Hole	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-223-003	PunchPosAdj:Sub:2.5K/3KFIN	Europe 4Hole	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-223-004	PunchPosAdj:Sub:2.5K/3KFIN	North Europe 4Hole	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-223-005	PunchPosAdj:Sub:2.5K/3KFIN	NA 2Hole	ENG	[-3.5 to 3.5 / 0 / 0.5mm]
6-224-001	PunchPosAdj:Main:2.5K/3KFIN	Domestic 2Hole(Europe 2Hole)	ENG	[-3 to 3 / 0 / 0.5mm]
6-224-002	PunchPosAdj:Main:2.5K/3KFIN	NA 3Hole	ENG	[-3 to 3 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-224-003	PunchPosAdj:Main:2.5K/3KFIN	Europe 4Hole	ENG	[-3 to 3 / 0 / 0.5mm]
6-224-004	PunchPosAdj:Main:2.5K/3KFIN	North Europe 4Hole	ENG	[-3 to 3 / 0 / 0.5mm]
6-224-005	PunchPosAdj:Main:2.5K/3KFIN	NA 2Hole	ENG	[-3 to 3 / 0 / 0.5mm]
6-225-001	PreStackQtyAdj:2.5K/3K FIN	A3 SEF	ENG	[0 to 2 / 2 / 1]
6-225-002	PreStackQtyAdj:2.5K/3K FIN	B4 SEF	ENG	[0 to 2 / 2 / 1]
6-225-003	PreStackQtyAdj:2.5K/3K FIN	A4 SEF	ENG	[0 to 3 / 3 / 1]
6-225-004	PreStackQtyAdj:2.5K/3K FIN	A4 LEF	ENG	[0 to 3 / 3 / 1]
6-225-005	PreStackQtyAdj:2.5K/3K FIN	B5 SEF	ENG	[0 to 3 / 3 / 1]
6-225-006	PreStackQtyAdj:2.5K/3K FIN	B5 LEF	ENG	[0 to 3 / 3 / 1]
6-225-007	PreStackQtyAdj:2.5K/3K FIN	DLT	ENG	[0 to 2 / 2 / 1]
6-225-008	PreStackQtyAdj:2.5K/3K FIN	LG	ENG	[0 to 2 / 2 / 1]
6-225-009	PreStackQtyAdj:2.5K/3K FIN	LT SEF	ENG	[0 to 3 / 3 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-225-010	PreStackQtyAdj:2.5K/3K FIN	LT LEF	ENG	[0 to 3 / 3 / 1]
6-225-011	PreStackQtyAdj:2.5K/3K FIN	8K SEF	ENG	[0 to 2 / 2 / 1]
6-225-012	PreStackQtyAdj:2.5K/3K FIN	16K SEF	ENG	[0 to 3 / 3 / 1]
6-225-013	PreStackQtyAdj:2.5K/3K FIN	16K LEF	ENG	[0 to 3 / 3 / 1]
6-225-014	PreStackQtyAdj:2.5K/3K FIN	Oficio SEF	ENG	[0 to 9 / 0 / 1]
6-225-015	PreStackQtyAdj:2.5K/3K FIN	Other	ENG	[0 to 9 / 0 / 1]
6-226-001	Skew Corr. 2.5K/3K FIN		ENG	[0 to 1 / 1 / 1] 0: Corr: OFF 1: Corr: ON(Default)
6-227-001	Adj Reg Buckle 2.5K/3K FIN	A4 LEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-002	Adj Reg Buckle 2.5K/3K FIN	A5 SEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-003	Adj Reg Buckle 2.5K/3K FIN	A5 LEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-004	Adj Reg Buckle 2.5K/3K FIN	B5 LEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-	Adj Reg Buckle 2.5K/3K FIN	LT LEF	ENG	[-3 to 3 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
6-227-006	Adj Reg Buckle 2.5K/3K FIN	HLT SEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-007	Adj Reg Buckle 2.5K/3K FIN	HLT LEF	ENG	[-3 to 3 / 0 / 0.5mm]
6-227-008	Adj Reg Buckle 2.5K/3K FIN	Other	ENG	[-3 to 3 / 0 / 0.5mm]
6-229-001	Skew Corr:Z-Fold:2.5K/3K FIN		ENG	[0 to 2 / 2 / 1] 0: Corr: OFF 1: Corr: ON 2: Rev Corr: ON(Default)
6-230-001	AdjRegBuckle:Z-Fold:2.5K/3KFIN		ENG	[-9 to 0 / 0 / 0.5mm]
6-231-001	SkwCorrRevrAmt(Z-F)2.5K/3KFIN		ENG	[-3 to 0 / 0 / 0.5mm]
6-232-001	AdjOutputJogPos.:2.5K/3K FIN	A3 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-002	AdjOutputJogPos.:2.5K/3K FIN	B4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-003	AdjOutputJogPos.:2.5K/3K FIN	A4 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-004	AdjOutputJogPos.:2.5K/3K FIN	A4 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-005	AdjOutputJogPos.:2.5K/3K FIN	A5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-232-006	AdjOutputJogPos.:2.5K/3K FIN	A5 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-007	AdjOutputJogPos.:2.5K/3K FIN	B5 SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-008	AdjOutputJogPos.:2.5K/3K FIN	B5 LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-009	AdjOutputJogPos.:2.5K/3K FIN	DLT	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-010	AdjOutputJogPos.:2.5K/3K FIN	LG	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-011	AdjOutputJogPos.:2.5K/3K FIN	LT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-012	AdjOutputJogPos.:2.5K/3K FIN	LT LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-013	AdjOutputJogPos.:2.5K/3K FIN	HLT SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-014	AdjOutputJogPos.:2.5K/3K FIN	HLT LEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-015	AdjOutputJogPos.:2.5K/3K FIN	Oficio SEF	ENG	[-2 to 2 / 0 / 0.1mm]
6-232-016	AdjOutputJogPos.:2.5K/3K FIN	Other	ENG	[-2 to 2 / 0 / 0.1mm]
6-233-001	Set OutputJogPos.:2.5K/3KFIN		ENG	[0 to 1 / 0 / 1] 0: Enable(Default)

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Disable
6-234-001	AdjAngleOutptJogPos:2.5K/3KFIN		ENG	[-10 to 10 / 0 / 1deg]
6-235-001	SetOutptJg(StpleStk)2.5K/3KFIN		ENG	[0 to 1 / 1 / 1] 0: Enable(Default) 1: Disable
6-236-001	ExitTrayLoweringAdj2.5K/3KFIN		ENG	[0 to 2 / 0 / 1] 0: Default 1: More 2: Less
6-237-001	TrayLoad(L:216/less)2.5K/3KFIN		ENG	[0 to 2 / 0 / 1] 0: Default 1: 1500 Sheets 2: 1000 Sheets
6-238-001	TrayLoad(L:216-432)2.5K/3KFIN		ENG	[0 to 2 / 0 / 1] 0: Default 1: 1000 Sheets 2: 500 Sheets
6-239-001	TrayLoad(L:over432)2.5K/3KFIN		ENG	[0 to 1 / 0 / 1] 0: Default 1: 500 Sheets
6-240-001	DragRollrTimingAdj.2.5K/3KFIN		ENG	[-250 to 0 / 0 / 10msec]
6-243-001	ShiftTrayJogPosAdj:2.5K/3KFIN		ENG	[0 to 1 / 0 / 1] 0: Speed Priority 1: Accuracy Priority
6-244-001	PaprExit:HoldT.Edge:2.5K/3KFIN		ENG	[0 to 4 / 0 / 1] 0: Auto 1: Force ON 2: Force OFF 3: Coated ON 4: Large Size

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				ON (Length > 364mm)
6-245-001	PaperExitFanSetting 2.5K/3KFIN		ENG	[0 to 4 / 0 / 1] 0: Auto 1: Force ON 2: Force OFF 3: Coated ON 4: Large Size ON (Length > 364mm)
6-246-001	PaperExitFanVolAdj 2.5K/3K FIN		ENG	[0 to 1 / 0 / 1] 0: Auto 1: Fan Vol Up
6-247-001	BkStpleTrayFullAdj:2.5K/3K FIN		ENG	[0 to 3 / 0.9 / 0.1V]
6-248-001	PosRollerStopTimeAdj2.5K/3KFIN	A3 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-002	PosRollerStopTimeAdj2.5K/3KFIN	B4 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-003	PosRollerStopTimeAdj2.5K/3KFIN	A4 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-004	PosRollerStopTimeAdj2.5K/3KFIN	A4 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-005	PosRollerStopTimeAdj2.5K/3KFIN	B5 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-006	PosRollerStopTimeAdj2.5K/3KFIN	B5 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-	PosRollerStopTimeAdj2.5K/3KFIN	DLT	ENG	[-50 to 50 / 0 / 5msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
6-248-008	PosRollerStopTimeAdj2.5K/3KFIN	LG	ENG	[-50 to 50 / 0 / 5msec]
6-248-009	PosRollerStopTimeAdj2.5K/3KFIN	LT SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-010	PosRollerStopTimeAdj2.5K/3KFIN	LT LEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-011	PosRollerStopTimeAdj2.5K/3KFIN	8K SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-012	PosRollerStopTimeAdj2.5K/3KFIN	16K SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-013	PosRollerStopTimeAdj2.5K/3KFIN	16K LEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-014	PosRollerStopTimeAdj2.5K/3KFIN	Oficio SEF	ENG	[-50 to 50 / 0 / 5msec]
6-248-015	PosRollerStopTimeAdj2.5K/3KFIN	Other	ENG	[-50 to 50 / 0 / 5msec]
6-249-001	ShiftExitSpeedAdj:2.5K/3K FIN	Plain:364.0mm or less	ENG	[-150 to 200 / 0 / 10mm/s]
6-249-002	ShiftExitSpeedAdj:2.5K/3K FIN	Plain:364.1 to 487.7mm	ENG	[-150 to 200 / 0 / 10mm/s]
6-249-003	ShiftExitSpeedAdj:2.5K/3K FIN	Plain:487.8mm/more:W.210.0-239.9:Thick2/less	ENG	[-200 to 200 / 0 / 10mm/s]
6-	ShiftExitSpeedAdj:2.5K/3K FIN	Plain:487.8mm/more:W.210.0-	ENG	[-200 to 200 / 0

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
249-004		239.9:Thick3/more		/ 10mm/s]
6-249-005	ShiftExitSpeedAdj:2.5K/3K FIN	Plain:487.8mm or more:W.210.0 to 330.2	ENG	[-200 to 200 / 0 / 10mm/s]
6-249-006	ShiftExitSpeedAdj:2.5K/3K FIN	Coated:364.0mm or less	ENG	[-150 to 200 / 0 / 10mm/s]
6-249-007	ShiftExitSpeedAdj:2.5K/3K FIN	Coated:364.1 to 487.7mm	ENG	[-200 to 200 / 0 / 10mm/s]
6-249-008	ShiftExitSpeedAdj:2.5K/3K FIN	Coated:487.8mm or more:W.210.0 to 239.9	ENG	[-200 to 200 / 0 / 10mm/s]
6-249-009	ShiftExitSpeedAdj:2.5K/3K FIN	Coated:487.8mm or more:W.210.0 to 330.2	ENG	[-200 to 200 / 0 / 10mm/s]
6-249-010	ShiftExitSpeedAdj:2.5K/3K FIN	Envelope	ENG	[-200 to 200 / 0 / 10mm/s]
6-249-011	ShiftExitSpeedAdj:2.5K/3K FIN	Other	ENG	[-150 to 200 / 0 / 10mm/s]
6-250-001	LowerT.EdgeTimeAdj2.5K/3KFIN	364.1 to 432.0mm	ENG	[-100 to 100 / 0 / 10msec]
6-250-002	LowerT.EdgeTimeAdj2.5K/3KFIN	432.1 to 457.2mm	ENG	[-100 to 100 / 0 / 10msec]
6-250-003	LowerT.EdgeTimeAdj2.5K/3KFIN	457.3 to 487.7mm	ENG	[-100 to 100 / 0 / 10msec]
6-250-004	LowerT.EdgeTimeAdj2.5K/3KFIN	487.8mm or more	ENG	[-100 to 100 / 0 / 10msec]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-250-005	LowerT.EdgeTimeAdj2.5K/3KFIN	Other	ENG	[-100 to 100 / 0 / 10msec]
6-251-001	TrayLoad(Env) 2.5K/3KFIN		ENG	[0 to 3 / 0 / 1] 0: Default 1: Tray Capacity Up (Small) 2: Tray Capacity Up (Medium) 3: Tray Capacity Up (Large)
6-301-001	Fine Adjust Z-Fold 1	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-002	Fine Adjust Z-Fold 1	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-003	Fine Adjust Z-Fold 1	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-004	Fine Adjust Z-Fold 1	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-005	Fine Adjust Z-Fold 1	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-006	Fine Adjust Z-Fold 1	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-007	Fine Adjust Z-Fold 1	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-008	Fine Adjust Z-Fold 1	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-	Fine Adjust Z-Fold 1	A3 SEF	ENG	[-4 to 4 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
301-009				0.2mm]
6-301-010	Fine Adjust Z-Fold 1	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-011	Fine Adjust Z-Fold 1	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-012	Fine Adjust Z-Fold 1	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-013	Fine Adjust Z-Fold 1	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-014	Fine Adjust Z-Fold 1	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-015	Fine Adjust Z-Fold 1	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-301-016	Fine Adjust Z-Fold 1	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-311-001	Free Run	Free Run 1	ENG	[0 to 1 / 0 / 1]
6-311-002	Free Run	Free Run 2	ENG	[0 to 1 / 0 / 1]
6-311-003	Free Run	Free Run 3	ENG	[0 to 1 / 0 / 1]
6-311-004	Free Run	Free Run 4	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-312-001	FM1 Z-Fld: Fine Adj 1st Fld	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-002	FM1 Z-Fld: Fine Adj 1st Fld	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-003	FM1 Z-Fld: Fine Adj 1st Fld	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-004	FM1 Z-Fld: Fine Adj 1st Fld	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-005	FM1 Z-Fld: Fine Adj 1st Fld	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-006	FM1 Z-Fld: Fine Adj 1st Fld	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-007	FM1 Z-Fld: Fine Adj 1st Fld	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-008	FM1 Z-Fld: Fine Adj 1st Fld	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-019	FM1 Z-Fld: Fine Adj 1st Fld	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-312-020	FM1 Z-Fld: Fine Adj 1st Fld	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-001	FM1 Z-Fld: Fine Adj 2nd Fld	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-002	FM1 Z-Fld: Fine Adj 2nd Fld	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-313-003	FM1 Z-Fld: Fine Adj 2nd Fld	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-004	FM1 Z-Fld: Fine Adj 2nd Fld	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-005	FM1 Z-Fld: Fine Adj 2nd Fld	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-006	FM1 Z-Fld: Fine Adj 2nd Fld	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-007	FM1 Z-Fld: Fine Adj 2nd Fld	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-008	FM1 Z-Fld: Fine Adj 2nd Fld	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-019	FM1 Z-Fld: Fine Adj 2nd Fld	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-313-020	FM1 Z-Fld: Fine Adj 2nd Fld	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-001	FM2 Equal 1/2:FineAdjFld	A3 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-002	FM2 Equal 1/2:FineAdjFld	B4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-003	FM2 Equal 1/2:FineAdjFld	A4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-004	FM2 Equal 1/2:FineAdjFld	DLT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-314-005	FM2 Equal 1/2:FineAdjFld	LG SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-006	FM2 Equal 1/2:FineAdjFld	LT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-007	FM2 Equal 1/2:FineAdjFld	12"*18" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-008	FM2 Equal 1/2:FineAdjFld	8-kai (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-009	FM2 Equal 1/2:FineAdjFld	B5 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-011	FM2 Equal 1/2:FineAdjFld	13"*19" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-019	FM2 Equal 1/2:FineAdjFld	Oficio SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-020	FM2 Equal 1/2:FineAdjFld	Custom (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-021	FM2 Equal 1/2:FineAdjFld	A3 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-022	FM2 Equal 1/2:FineAdjFld	B4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-023	FM2 Equal 1/2:FineAdjFld	A4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-024	FM2 Equal 1/2:FineAdjFld	DLT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-314-025	FM2 Equal 1/2:FineAdjFld	LG SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-026	FM2 Equal 1/2:FineAdjFld	LT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-027	FM2 Equal 1/2:FineAdjFld	12"*18" (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-028	FM2 Equal 1/2:FineAdjFld	8-kai (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-029	FM2 Equal 1/2:FineAdjFld	B5 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-031	FM2 Equal 1/2:FineAdjFld	13"*19" (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-039	FM2 Equal 1/2:FineAdjFld	Oficio SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-314-040	FM2 Equal 1/2:FineAdjFld	Custom (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-001	FM3 Equal 3rds:Fine Adj 1st	A3 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-002	FM3 Equal 3rds:Fine Adj 1st	B4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-003	FM3 Equal 3rds:Fine Adj 1st	A4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-004	FM3 Equal 3rds:Fine Adj 1st	DLT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-315-005	FM3 Equal 3rds:Fine Adj 1st	LG SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-006	FM3 Equal 3rds:Fine Adj 1st	LT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-007	FM3 Equal 3rds:Fine Adj 1st	12"*18" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-008	FM3 Equal 3rds:Fine Adj 1st	8-kai (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-009	FM3 Equal 3rds:Fine Adj 1st	B5 SEF (Single Sheet)	ENG	[-3 to 3 / 0 / 0.2mm]
6-315-019	FM3 Equal 3rds:Fine Adj 1st	Oficio SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-020	FM3 Equal 3rds:Fine Adj 1st	Custom (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-022	FM3 Equal 3rds:Fine Adj 1st	B4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-023	FM3 Equal 3rds:Fine Adj 1st	A4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-025	FM3 Equal 3rds:Fine Adj 1st	LG SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-026	FM3 Equal 3rds:Fine Adj 1st	LT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-029	FM3 Equal 3rds:Fine Adj 1st	B5 SEF (Multi Sheet)	ENG	[-3 to 3 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-315-039	FM3 Equal 3rds:Fine Adj 1st	Oficio SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-315-040	FM3 Equal 3rds:Fine Adj 1st	Custom (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-001	FM3 Equal 3rds:Fine Adj 2nd	A3 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-002	FM3 Equal 3rds:Fine Adj 2nd	B4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-003	FM3 Equal 3rds:Fine Adj 2nd	A4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-004	FM3 Equal 3rds:Fine Adj 2nd	DLT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-005	FM3 Equal 3rds:Fine Adj 2nd	LG SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-006	FM3 Equal 3rds:Fine Adj 2nd	LT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-007	FM3 Equal 3rds:Fine Adj 2nd	12"*18" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-008	FM3 Equal 3rds:Fine Adj 2nd	8-kai (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-009	FM3 Equal 3rds:Fine Adj 2nd	B5 SEF (Single Sheet)	ENG	[-3 to 3 / 0 / 0.2mm]
6-316-019	FM3 Equal 3rds:Fine Adj 2nd	Oficio SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-316-020	FM3 Equal 3rds:Fine Adj 2nd	Custom (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-022	FM3 Equal 3rds:Fine Adj 2nd	B4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-023	FM3 Equal 3rds:Fine Adj 2nd	A4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-025	FM3 Equal 3rds:Fine Adj 2nd	LG SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-026	FM3 Equal 3rds:Fine Adj 2nd	LT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-029	FM3 Equal 3rds:Fine Adj 2nd	B5 SEF (Multi Sheet)	ENG	[-3 to 3 / 0 / 0.2mm]
6-316-039	FM3 Equal 3rds:Fine Adj 2nd	Oficio SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-316-040	FM3 Equal 3rds:Fine Adj 2nd	Custom (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-001	FM4 3rds 1 Flap:Fine Adj 1st	A3 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-002	FM4 3rds 1 Flap:Fine Adj 1st	B4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-003	FM4 3rds 1 Flap:Fine Adj 1st	A4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-004	FM4 3rds 1 Flap:Fine Adj 1st	DLT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-317-005	FM4 3rds 1 Flap:Fine Adj 1st	LG SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-006	FM4 3rds 1 Flap:Fine Adj 1st	LT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-007	FM4 3rds 1 Flap:Fine Adj 1st	12"*18" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-008	FM4 3rds 1 Flap:Fine Adj 1st	8-kai (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-009	FM4 3rds 1 Flap:Fine Adj 1st	B5 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-019	FM4 3rds 1 Flap:Fine Adj 1st	Oficio SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-020	FM4 3rds 1 Flap:Fine Adj 1st	Custom (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-021	FM4 3rds 1 Flap:Fine Adj 1st	A3 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-022	FM4 3rds 1 Flap:Fine Adj 1st	B4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-023	FM4 3rds 1 Flap:Fine Adj 1st	A4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-024	FM4 3rds 1 Flap:Fine Adj 1st	DLT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-025	FM4 3rds 1 Flap:Fine Adj 1st	LG SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-317-026	FM4 3rds 1 Flap:Fine Adj 1st	LT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-027	FM4 3rds 1 Flap:Fine Adj 1st	12"*18" (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-028	FM4 3rds 1 Flap:Fine Adj 1st	8-kai (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-029	FM4 3rds 1 Flap:Fine Adj 1st	B5 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-039	FM4 3rds 1 Flap:Fine Adj 1st	Oficio SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-317-040	FM4 3rds 1 Flap:Fine Adj 1st	Custom (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-001	FM4 3rds 1 Flap:Fine Adj 2nd	A3 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-002	FM4 3rds 1 Flap:Fine Adj 2nd	B4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-003	FM4 3rds 1 Flap:Fine Adj 2nd	A4 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-004	FM4 3rds 1 Flap:Fine Adj 2nd	DLT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-005	FM4 3rds 1 Flap:Fine Adj 2nd	LG SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-006	FM4 3rds 1 Flap:Fine Adj 2nd	LT SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-318-007	FM4 3rds 1 Flap:Fine Adj 2nd	12"*18" (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-008	FM4 3rds 1 Flap:Fine Adj 2nd	8-kai (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-009	FM4 3rds 1 Flap:Fine Adj 2nd	B5 SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-019	FM4 3rds 1 Flap:Fine Adj 2nd	Oficio SEF (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-020	FM4 3rds 1 Flap:Fine Adj 2nd	Custom (Single Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-021	FM4 3rds 1 Flap:Fine Adj 2nd	A3 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-022	FM4 3rds 1 Flap:Fine Adj 2nd	B4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-023	FM4 3rds 1 Flap:Fine Adj 2nd	A4 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-024	FM4 3rds 1 Flap:Fine Adj 2nd	DLT SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-025	FM4 3rds 1 Flap:Fine Adj 2nd	LG SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-026	FM4 3rds 1 Flap:Fine Adj 2nd	LT SEF (Multi Sheet)	ENG	[0 to 4 / 0 / 0.2mm]
6-318-027	FM4 3rds 1 Flap:Fine Adj 2nd	12"*18" (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-318-028	FM4 3rds 1 Flap:Fine Adj 2nd	8-kai (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-029	FM4 3rds 1 Flap:Fine Adj 2nd	B5 SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-039	FM4 3rds 1 Flap:Fine Adj 2nd	Oficio SEF (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-318-040	FM4 3rds 1 Flap:Fine Adj 2nd	Custom (Multi Sheet)	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-001	FM5 4ths "V": Fine Adjust 1st	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-002	FM5 4ths "V": Fine Adjust 1st	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-003	FM5 4ths "V": Fine Adjust 1st	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-004	FM5 4ths "V": Fine Adjust 1st	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-005	FM5 4ths "V": Fine Adjust 1st	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-006	FM5 4ths "V": Fine Adjust 1st	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-007	FM5 4ths "V": Fine Adjust 1st	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-008	FM5 4ths "V": Fine Adjust 1st	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-319-009	FM5 4ths "V": Fine Adjust 1st	B5T	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-019	FM5 4ths "V": Fine Adjust 1st	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-319-020	FM5 4ths "V": Fine Adjust 1st	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-001	FM5 4ths "V": Fine Adjust 2nd	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-002	FM5 4ths "V": Fine Adjust 2nd	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-003	FM5 4ths "V": Fine Adjust 2nd	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-004	FM5 4ths "V": Fine Adjust 2nd	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-005	FM5 4ths "V": Fine Adjust 2nd	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-006	FM5 4ths "V": Fine Adjust 2nd	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-007	FM5 4ths "V": Fine Adjust 2nd	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-008	FM5 4ths "V": Fine Adjust 2nd	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-009	FM5 4ths "V": Fine Adjust 2nd	B5T	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-320-019	FM5 4ths "V": Fine Adjust 2nd	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-320-020	FM5 4ths "V": Fine Adjust 2nd	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-001	FM6 4ths 2 Flap:Fine Adj 1st	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-002	FM6 4ths 2 Flap:Fine Adj 1st	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-003	FM6 4ths 2 Flap:Fine Adj 1st	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-004	FM6 4ths 2 Flap:Fine Adj 1st	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-005	FM6 4ths 2 Flap:Fine Adj 1st	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-006	FM6 4ths 2 Flap:Fine Adj 1st	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-008	FM6 4ths 2 Flap:Fine Adj 1st	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-009	FM6 4ths 2 Flap:Fine Adj 1st	B5T	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-019	FM6 4ths 2 Flap:Fine Adj 1st	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-321-020	FM6 4ths 2 Flap:Fine Adj 1st	Other	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-322-001	FM6 4ths 2 Flap:Fine Adj 2nd	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-002	FM6 4ths 2 Flap:Fine Adj 2nd	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-003	FM6 4ths 2 Flap:Fine Adj 2nd	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-004	FM6 4ths 2 Flap:Fine Adj 2nd	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-005	FM6 4ths 2 Flap:Fine Adj 2nd	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-006	FM6 4ths 2 Flap:Fine Adj 2nd	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-008	FM6 4ths 2 Flap:Fine Adj 2nd	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-009	FM6 4ths 2 Flap:Fine Adj 2nd	B5T	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-019	FM6 4ths 2 Flap:Fine Adj 2nd	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-322-020	FM6 4ths 2 Flap:Fine Adj 2nd	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-001	FM6 4ths 2 Flap:Fine Adj 3rd	A3 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-002	FM6 4ths 2 Flap:Fine Adj 3rd	B4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-323-003	FM6 4ths 2 Flap:Fine Adj 3rd	A4 SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-004	FM6 4ths 2 Flap:Fine Adj 3rd	DLT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-005	FM6 4ths 2 Flap:Fine Adj 3rd	LG SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-006	FM6 4ths 2 Flap:Fine Adj 3rd	LT SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-007	FM6 4ths 2 Flap:Fine Adj 3rd	12"*18"	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-008	FM6 4ths 2 Flap:Fine Adj 3rd	8-kai	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-009	FM6 4ths 2 Flap:Fine Adj 3rd	B5T	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-019	FM6 4ths 2 Flap:Fine Adj 3rd	Oficio SEF	ENG	[-4 to 4 / 0 / 0.2mm]
6-323-020	FM6 4ths 2 Flap:Fine Adj 3rd	Other	ENG	[-4 to 4 / 0 / 0.2mm]
6-324-001	Jogger Fence Position Adjust	A3 SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-002	Jogger Fence Position Adjust	B4 SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-003	Jogger Fence Position Adjust	A4 SEF	ENG	[-2 to 2 / 0 / 0.5mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-324-004	Jogger Fence Position Adjust	DLT SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-005	Jogger Fence Position Adjust	LG SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-006	Jogger Fence Position Adjust	LT SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-007	Jogger Fence Position Adjust	12"*18"	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-008	Jogger Fence Position Adjust	8-Kai	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-009	Jogger Fence Position Adjust	B5T	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-019	Jogger Fence Position Adjust	Oficio SEF	ENG	[-2 to 2 / 0 / 0.5mm]
6-324-020	Jogger Fence Position Adjust	Other	ENG	[-2 to 2 / 0 / 0.5mm]
6-325-001	Registration Buckle Adjust	A3 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-002	Registration Buckle Adjust	B4 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-003	Registration Buckle Adjust	A4 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-004	Registration Buckle Adjust	DLT SEF	ENG	[-4 to 2 / 0 / 1mm]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-325-005	Registration Buckle Adjust	LG SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-006	Registration Buckle Adjust	LT SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-007	Registration Buckle Adjust	12"*18"	ENG	[-4 to 2 / 0 / 1mm]
6-325-008	Registration Buckle Adjust	8-Kai	ENG	[-4 to 2 / 0 / 1mm]
6-325-009	Registration Buckle Adjust	B5T	ENG	[-4 to 2 / 0 / 1mm]
6-325-019	Registration Buckle Adjust	Oficio SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-020	Registration Buckle Adjust	Other	ENG	[-4 to 2 / 0 / 1mm]
6-326-001	Reg Buckle Adjust Select		ENG	[0 to 1 / 0 / 1] 0: Buckle Control ON 1: Buckle Control OFF
6-762-001	Top Tray Full Set: Enable		ENG	[0 to 1 / 0 / 1] 0: Full Detection ON 1: Full Detection OFF
6-763-001	TopTray Full Set:Limit Output		ENG	[0 to 250 / 0 / 1]
6-801-	1-pass Stamp Unit		ENG*	[0 to 1 / 0 / 1] 0: NO

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				1: YES
6-830-001	Extra	Staples 0 to 50 (Initial:0)	CTL*	[0 to 50 / 0 / 1]
6-830-002	Extra	Saddles 0 to 50 (Initial:0)	CTL*	[0 to 50 / 0 / 1]
6-830-003	Extra	Half-Fold 0 to 50 (Initial:0)	CTL*	[0 to 50 / 0 / 1]
6-890-001	Function Enabled	Z-Fold 0:No Punch 1:Punching OK	CTL	[0 to 1 / 0 / 1]
6-900-001	ADF Bottom Plate Setting		ENG*	[0 to 1 / 0 / 1]
6-901-001			ENG	[0 to 1 / 0 / 1]
6-925-001	SoftRollerPress QuantityTuning		ENG	[-0.3 to 0.5 / 0 / 0.1mm]
6-926-001	DecurlerSpeed Quantity Tuninnng		ENG*	[-3 to 3 / 0 / 0.1%]

SP Group 7000-01

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-001-001	Engine Drive Distance Counter	#PCU:K	ENG*	[0 to 99999999 / 0 / 1m]
7-401-001	Total SC	SC Counter	CTL*	[0 to 65535 / 0 / 0]
7-401-002	Total SC	Total SC Counter	CTL*	[0 to 65535 / 0 / 0]
7-403-001	SC History	Latest	CTL*	[0 to 0 / 0 / 0]
7-403-002	SC History	Latest 1	CTL*	[0 to 0 / 0 / 0]
7-403-003	SC History	Latest 2	CTL*	[0 to 0 / 0 / 0]
7-403-004	SC History	Latest 3	CTL*	[0 to 0 / 0 / 0]
7-403-005	SC History	Latest 4	CTL*	[0 to 0 / 0 / 0]
7-403-006	SC History	Latest 5	CTL*	[0 to 0 / 0 / 0]
7-403-007	SC History	Latest 6	CTL*	[0 to 0 / 0 / 0]
7-403-008	SC History	Latest 7	CTL*	[0 to 0 / 0 / 0]
7-403-009	SC History	Latest 8	CTL*	[0 to 0 / 0 / 0]
7-403-010	SC History	Latest 9	CTL*	[0 to 0 / 0 / 0]
7-404-001	Software Error History	Latest	CTL*	[0 to 0 / 0 / 0]
7-404-002	Software Error History	Latest 1	CTL*	[0 to 0 / 0 / 0]
7-404-003	Software Error History	Latest 2	CTL*	[0 to 0 / 0 / 0]
7-404-004	Software Error History	Latest 3	CTL*	[0 to 0 / 0 / 0]
7-404-	Software Error History	Latest 4	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
7-404-006	Software Error History	Latest 5	CTL*	[0 to 0 / 0 / 0]
7-404-007	Software Error History	Latest 6	CTL*	[0 to 0 / 0 / 0]
7-404-008	Software Error History	Latest 7	CTL*	[0 to 0 / 0 / 0]
7-404-009	Software Error History	Latest 8	CTL*	[0 to 0 / 0 / 0]
7-404-010	Software Error History	Latest 9	CTL*	[0 to 0 / 0 / 0]
7-502-001	Total Paper Jam	Jam Counter	CTL*	[0 to 65535 / 0 / 0]
7-502-002	Total Paper Jam	Total Jam Counter	CTL*	[0 to 65535 / 0 / 0]
7-503-001	Total Original Jam Counter		CTL*	[0 to 65535 / 0 / 0]
7-503-002	Total Original Jam	Total Original Counter	CTL*	[0 to 65535 / 0 / 0]
7-504-001	Paper Jam Location	At Power On	CTL*	[0 to 65535 / 0 / 0]
7-504-003	Paper Jam Location	Tray 1 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-004	Paper Jam Location	Tray 2 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-005	Paper Jam Location	Tray 3 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-006	Paper Jam Location	Tray 4 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-007	Paper Jam Location	LCT No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-008	Paper Jam Location	Bypass Feed Tray No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-009	Paper Jam Location	Duplex No Feed	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	1st Tray Transport Sensor: Late	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010		Jam		
7-504-012	Paper Jam Location	2nd Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-013	Paper Jam Location	3rd Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-014	Paper Jam Location	4th Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-015	Paper Jam Location	LCT Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-016	Paper Jam Location	LCT Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-017	Paper Jam Location	LCT Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-018	Paper Jam Location	Main Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-019	Paper Jam Location	Registration Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-022	Paper Jam Location	Trans. Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-024	Paper Jam Location	Fusing Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-025	Paper Jam Location	Invert/Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-026	Paper Jam Location	Invert/Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-028	Paper Jam Location	Exit Invert Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-029	Paper Jam Location	Exit Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-030	Paper Jam Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-031	Paper Jam Location	Invert/Duplex Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-033	Paper Jam Location	Duplex Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Duplex Transport Sensor 1: Late	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034		Jam		
7-504-035	Paper Jam Location	Duplex Transport Sensor 2: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-036	Paper Jam Location	Duplex Transport Sensor 3: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-037	Paper Jam Location	Duplex Transport Sensor 4: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-038	Paper Jam Location	Duplex Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-057	Paper Jam Location	LCT Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-058	Paper Jam Location	Bypass Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-060	Paper Jam Location	1st Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-062	Paper Jam Location	2nd Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-063	Paper Jam Location	3rd Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-064	Paper Jam Location	4th Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-065	Paper Jam Location	LCT Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-066	Paper Jam Location	LCT Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-067	Paper Jam Location	LCT Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-068	Paper Jam Location	Main Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-069	Paper Jam Location	Registration Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-072	Paper Jam Location	TH Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-074	Paper Jam Location	Fusing Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Invert/Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
075				
7-504-076	Paper Jam Location	Invert/Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-078	Paper Jam Location	Exit/Invert Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-079	Paper Jam Location	Exit Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-080	Paper Jam Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-081	Paper Jam Location	Invert/Duplex Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-083	Paper Jam Location	Duplex Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-084	Paper Jam Location	Duplex Transport Sensor 1: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-085	Paper Jam Location	Duplex Transport Sensor 2: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-086	Paper Jam Location	Duplex Transport Sensor 3: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-087	Paper Jam Location	Duplex Transport Sensor 4: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-088	Paper Jam Location	Duplex Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-095	Paper Jam Location	Multi feed (front) Detected	CTL*	[0 to 65535 / 0 / 0]
7-504-096	Paper Jam Location	Timing lost	CTL*	[0 to 65535 / 0 / 0]
7-504-097	Paper Jam Location	Shift over	CTL*	[0 to 65535 / 0 / 0]
7-504-098	Paper Jam Location	Paper Thickness Error	CTL*	[0 to 65535 / 0 / 0]
7-504-099	Paper Jam Location	Multi Feed (rear) Detected	CTL*	[0 to 65535 / 0 / 0]
7-504-100	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
7-504-102	Paper Jam Location	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-103	Paper Jam Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-104	Paper Jam Location	Shift Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-105	Paper Jam Location	Shift Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-106	Paper Jam Location	Staple Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-107	Paper Jam Location	Staple Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-108	Paper Jam Location	Pre Stack Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-109	Paper Jam Location	Pre Stack Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-110	Paper Jam Location	Feed-out Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-111	Paper Jam Location	Drive Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-112	Paper Jam Location	Tray Upper/Lower Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-113	Paper Jam Location	Jogger Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-114	Paper Jam Location	Shift Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-115	Paper Jam Location	Staple Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-116	Paper Jam Location	Feed-out Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-117	Paper Jam Location	Punch Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-118	Paper Jam Location	Z-Fold Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Pre-Stack-related Jams	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
119				
7-504-120	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-504-148	Paper Jam Location	Plockmatic Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-149	Paper Jam Location	Punch Unit Jams	CTL*	[0 to 65535 / 0 / 0]
7-504-150	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-151	Paper Jam Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-152	Paper Jam Location	Horizontal Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-153	Paper Jam Location	Horizontal Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-154	Paper Jam Location	Switchback Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-155	Paper Jam Location	Switchback Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-156	Paper Jam Location	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-157	Paper Jam Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-158	Paper Jam Location	Shift Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-159	Paper Jam Location	Shift Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-160	Paper Jam Location	Booklet Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-161	Paper Jam Location	Booklet Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-162	Paper Jam Location	Entrance Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-163	Paper Jam Location	Horizontal Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Pre Stack Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
164				
7-504-165	Paper Jam Location	Middle Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-166	Paper Jam Location	Tray Exit Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-167	Paper Jam Location	Trailing Edge Pressure Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-168	Paper Jam Location	Paper Exit Gate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-169	Paper Jam Location	Punch Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-170	Paper Jam Location	Punch Drive Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-171	Paper Jam Location	Paper Position Sensor Side Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-172	Paper Jam Location	Lower Junction Gate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-173	Paper Jam Location	Jogger Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-174	Paper Jam Location	Positioning Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-175	Paper Jam Location	Feed Out Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-176	Paper Jam Location	Corner Stapler Movement Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-177	Paper Jam Location	Corner Stapling Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-178	Paper Jam Location	Booklet Jogger Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-179	Paper Jam Location	Booklet Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-180	Paper Jam Location	Booklet Fence Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-181	Paper Jam Location	Booklet Stapling Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Movement Roller Transport Motor	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
182		Jam		
7-504-183	Paper Jam Location	Folding Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-184	Paper Jam Location	Flat Fold Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-185	Paper Jam Location	Tray Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-186	Paper Jam Location	Shift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-187	Paper Jam Location	Shift Jogger Front Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-188	Paper Jam Location	Shift Jogger Rear Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-189	Paper Jam Location	Shift Jogger Retraction Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-190	Paper Jam Location	Stacking Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-191	Paper Jam Location	Leading Edge Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-192	Paper Jam Location	Positioning Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-193	Paper Jam Location	Paper Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-194	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-504-200	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-201	Paper Jam Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-202	Paper Jam Location	Top Tray Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-203	Paper Jam Location	Top Tray Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-204	Paper Jam Location	Horizontal Path Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Horizontal Path Exit Sensor: Lag	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
205		Jam		
7-504-206	Paper Jam Location	1st Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-207	Paper Jam Location	1st Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-208	Paper Jam Location	2nd Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-209	Paper Jam Location	2nd Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-210	Paper Jam Location	3rd Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-211	Paper Jam Location	3rd Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-212	Paper Jam Location	Skew Correction Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-213	Paper Jam Location	Folded Paper Path Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-214	Paper Jam Location	Entrance JG Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-215	Paper Jam Location	1st Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-216	Paper Jam Location	2nd Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-217	Paper Jam Location	3rd Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-218	Paper Jam Location	Movement Roller Trans. Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-219	Paper Jam Location	Registration Roller Release Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-220	Paper Jam Location	Fold Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-221	Paper Jam Location	Jogger Fence Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-222	Paper Jam Location	Direct-Send JG Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	FM6 Pawl Motor Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
223				
7-504-249	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-504-250	Paper Jam Location	Feed Entrance: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-251	Paper Jam Location	Feed Entrance: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-252	Paper Jam Location	Pressure Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-253	Paper Jam Location	Pressure Timing Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-254	Paper Jam Location	Release Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-504-255	Paper Jam Location	Release Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-001	Original Jam Detection	At Power On	CTL*	[0 to 65535 / 0 / 0]
7-505-013	Original Jam Detection	Separation Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-014	Original Jam Detection	Skew Correction Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-015	Original Jam Detection	Original Set Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-016	Original Jam Detection	Registration Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-017	Original Jam Detection	Original Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-063	Original Jam Detection	Separation Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-064	Original Jam Detection	Skew Correction Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-065	Original Jam Detection	Original Set Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-066	Original Jam Detection	Registration Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-505-	Original Jam Detection	Original Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				
7-505-239	Original Jam Detection	Pullout Original	CTL*	[0 to 65535 / 0 / 0]
7-506-005	Jam Count by Paper Size	A4 LEF	CTL*	[0 to 65535 / 0 / 0]
7-506-006	Jam Count by Paper Size	A5 LEF	CTL*	[0 to 65535 / 0 / 0]
7-506-014	Jam Count by Paper Size	B5 LEF	CTL*	[0 to 65535 / 0 / 0]
7-506-038	Jam Count by Paper Size	LT LEF	CTL*	[0 to 65535 / 0 / 0]
7-506-044	Jam Count by Paper Size	HLT LEF	CTL*	[0 to 65535 / 0 / 0]
7-506-132	Jam Count by Paper Size	A3 SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-133	Jam Count by Paper Size	A4 SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-134	Jam Count by Paper Size	A5 SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-141	Jam Count by Paper Size	B4 SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-142	Jam Count by Paper Size	B5 SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-160	Jam Count by Paper Size	DLT SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-164	Jam Count by Paper Size	LG SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-166	Jam Count by Paper Size	LT SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-172	Jam Count by Paper Size	HLT SEF	CTL*	[0 to 65535 / 0 / 0]
7-506-255	Jam Count by Paper Size	Others	CTL*	[0 to 65535 / 0 / 0]
7-507-001	Plotter Jam History	Latest	CTL*	[0 to 0 / 0 / 0]
7-507-	Plotter Jam History	Latest 1	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
7-507-003	Plotter Jam History	Latest 2	CTL*	[0 to 0 / 0 / 0]
7-507-004	Plotter Jam History	Latest 3	CTL*	[0 to 0 / 0 / 0]
7-507-005	Plotter Jam History	Latest 4	CTL*	[0 to 0 / 0 / 0]
7-507-006	Plotter Jam History	Latest 5	CTL*	[0 to 0 / 0 / 0]
7-507-007	Plotter Jam History	Latest 6	CTL*	[0 to 0 / 0 / 0]
7-507-008	Plotter Jam History	Latest 7	CTL*	[0 to 0 / 0 / 0]
7-507-009	Plotter Jam History	Latest 8	CTL*	[0 to 0 / 0 / 0]
7-507-010	Plotter Jam History	Latest 9	CTL*	[0 to 0 / 0 / 0]
7-508-001	Original Jam History	Latest	CTL*	[0 to 0 / 0 / 0]
7-508-002	Original Jam History	Latest 1	CTL*	[0 to 0 / 0 / 0]
7-508-003	Original Jam History	Latest 2	CTL*	[0 to 0 / 0 / 0]
7-508-004	Original Jam History	Latest 3	CTL*	[0 to 0 / 0 / 0]
7-508-005	Original Jam History	Latest 4	CTL*	[0 to 0 / 0 / 0]
7-508-006	Original Jam History	Latest 5	CTL*	[0 to 0 / 0 / 0]
7-508-007	Original Jam History	Latest 6	CTL*	[0 to 0 / 0 / 0]
7-508-008	Original Jam History	Latest 7	CTL*	[0 to 0 / 0 / 0]
7-508-009	Original Jam History	Latest 8	CTL*	[0 to 0 / 0 / 0]
7-508-	Original Jam History	Latest 9	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
7-509-001	Paper Jam Location	Upper Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-002	Paper Jam Location	Upper Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-003	Paper Jam Location	Paper Exit 1 Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-004	Paper Jam Location	Paper Exit 1 Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-005	Paper Jam Location	Paper Exit 3 Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-006	Paper Jam Location	Paper Exit 3 Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-007	Paper Jam Location	Brushless Motor	CTL*	[0 to 65535 / 0 / 0]
7-509-008	Paper Jam Location	Lower Stopper Motor	CTL*	[0 to 65535 / 0 / 0]
7-509-009	Paper Jam Location	Upper Stopper Motor	CTL*	[0 to 65535 / 0 / 0]
7-509-010	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-509-025	Paper Jam Location	SUPERIOR:Transport Sensor Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-509-026	Paper Jam Location	SUPERIOR:Tray Lift Motor	CTL*	[0 to 65535 / 0 / 0]
7-509-027	Paper Jam Location	SUPERIOR:Tray Shift Motor	CTL*	[0 to 65535 / 0 / 0]
7-509-045	Paper Jam Location	1st Paper Feed Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-046	Paper Jam Location	1st Paper Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-047	Paper Jam Location	2nd Paper Feed Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-048	Paper Jam Location	2nd Paper Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	1st Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				
7-509-050	Paper Jam Location	1st Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-051	Paper Jam Location	2nd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-052	Paper Jam Location	2nd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-053	Paper Jam Location	1st Vertical Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-054	Paper Jam Location	1st Vertical Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-055	Paper Jam Location	2nd Vertical Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-056	Paper Jam Location	2nd Vertical Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-057	Paper Jam Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-058	Paper Jam Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-059	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-060	Paper Jam Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-061	Paper Jam Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-062	Paper Jam Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-063	Paper Jam Location	1st Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-064	Paper Jam Location	2nd Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-065	Paper Jam Location	1st Pick-up Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-066	Paper Jam Location	2nd Pick-up Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
094				
7-509-095	Paper Jam Location	1st Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-096	Paper Jam Location	1st Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-097	Paper Jam Location	2nd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-098	Paper Jam Location	2nd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-099	Paper Jam Location	3rd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-100	Paper Jam Location	3rd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-101	Paper Jam Location	4th Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-102	Paper Jam Location	4th Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-103	Paper Jam Location	5th Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-104	Paper Jam Location	5th Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-105	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-509-115	Paper Jam Location	Feed Sensor: Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-509-116	Paper Jam Location	Exit Sensor: Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-509-117	Paper Jam Location	Bottom Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-125	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-126	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-145	Paper Jam Location	Transport Sensor 1: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Transport Sensor 1: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
146				
7-509-147	Paper Jam Location	Transport Sensor 2: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-148	Paper Jam Location	Transport Sensor 2: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-149	Paper Jam Location	Transport Sensor 3: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-150	Paper Jam Location	Transport Sensor 3: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-151	Paper Jam Location	Transport Sensor 4: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-152	Paper Jam Location	Transport Sensor 4: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-153	Paper Jam Location	Transport Sensor 5: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-154	Paper Jam Location	Transport Sensor 5: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-155	Paper Jam Location	Transport Sensor 6: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-156	Paper Jam Location	Transport Sensor 6: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-157	Paper Jam Location	Transport Sensor 7: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-158	Paper Jam Location	Transport Sensor 7: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-159	Paper Jam Location	Transport Sensor 8: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-160	Paper Jam Location	Transport Sensor 8: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-161	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-509-195	Paper Jam Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-196	Paper Jam Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
197				
7-509-198	Paper Jam Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-199	Paper Jam Location	Upper Tray Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-200	Paper Jam Location	Upper Tray Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-201	Paper Jam Location	Staple Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-202	Paper Jam Location	Staple Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-203	Paper Jam Location	Pre Stack Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-204	Paper Jam Location	Pre Stack Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-205	Paper Jam Location	Feed-out Sensor Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-206	Paper Jam Location	Booklet Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-207	Paper Jam Location	Booklet Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-208	Paper Jam Location	Booklet Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-209	Paper Jam Location	Booklet Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-509-210	Paper Jam Location	Transport-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-211	Paper Jam Location	Tray-lift-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-212	Paper Jam Location	Jogger-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-213	Paper Jam Location	Shift-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-214	Paper Jam Location	Stapler-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Feed-out-related Jams	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
215				
7-509-216	Paper Jam Location	Punch-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-217	Paper Jam Location	Jogger-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-218	Paper Jam Location	Pre-stack-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-219	Paper Jam Location	Transport-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-220	Paper Jam Location	Booklet-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-221	Paper Jam Location	Folding-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-509-222	Paper Jam Location	Unknown Jams (for Debug)	CTL*	[0 to 65535 / 0 / 0]
7-509-223	Paper Jam Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-514-001	Paper Jam Count by Location	At Power On	CTL*	[0 to 65535 / 0 / 0]
7-514-003	Paper Jam Count by Location	Tray 1 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-004	Paper Jam Count by Location	Tray 2 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-005	Paper Jam Count by Location	Tray 3 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-006	Paper Jam Count by Location	Tray 4 No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-007	Paper Jam Count by Location	LCT No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-008	Paper Jam Count by Location	Bypass Feed Tray No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-009	Paper Jam Count by Location	Duplex No Feed	CTL*	[0 to 65535 / 0 / 0]
7-514-010	Paper Jam Count by Location	1st Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	2nd Tray Transport Sensor: Late	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Location	Jam		
7-514-013	Paper Jam Count by Location	3rd Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-014	Paper Jam Count by Location	4th Tray Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-015	Paper Jam Count by Location	LCT Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-016	Paper Jam Count by Location	LCT Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-017	Paper Jam Count by Location	LCT Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-018	Paper Jam Count by Location	Main Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-019	Paper Jam Count by Location	Registration Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-022	Paper Jam Count by Location	Trans. Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-024	Paper Jam Count by Location	Fusing Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-025	Paper Jam Count by Location	Invert/Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-026	Paper Jam Count by Location	Invert/Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-028	Paper Jam Count by Location	Exit Invert Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-029	Paper Jam Count by Location	Exit Relay Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-030	Paper Jam Count by Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-031	Paper Jam Count by Location	Invert/Duplex Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-033	Paper Jam Count by Location	Duplex Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-034	Paper Jam Count by Location	Duplex Transport Sensor 1: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Duplex Transport Sensor 2: Late	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	Location	Jam		
7-514-036	Paper Jam Count by Location	Duplex Transport Sensor 3: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-037	Paper Jam Count by Location	Duplex Transport Sensor 4: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-038	Paper Jam Count by Location	Duplex Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-057	Paper Jam Count by Location	LCT Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-058	Paper Jam Count by Location	Bypass Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-060	Paper Jam Count by Location	1st Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-062	Paper Jam Count by Location	2nd Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-063	Paper Jam Count by Location	3rd Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-064	Paper Jam Count by Location	4th Tray Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-065	Paper Jam Count by Location	LCT Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-066	Paper Jam Count by Location	LCT Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-067	Paper Jam Count by Location	LCT Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-068	Paper Jam Count by Location	Main Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-069	Paper Jam Count by Location	Registration Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-072	Paper Jam Count by Location	TH Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-074	Paper Jam Count by Location	Fusing Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-075	Paper Jam Count by Location	Invert/Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Invert/Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076	Location			
7-514-078	Paper Jam Count by Location	Exit/Invert Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-079	Paper Jam Count by Location	Exit Relay Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-080	Paper Jam Count by Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-081	Paper Jam Count by Location	Invert/Duplex Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-083	Paper Jam Count by Location	Duplex Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-084	Paper Jam Count by Location	Duplex Transport Sensor 1: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-085	Paper Jam Count by Location	Duplex Transport Sensor 2: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-086	Paper Jam Count by Location	Duplex Transport Sensor 3: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-087	Paper Jam Count by Location	Duplex Transport Sensor 4: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-088	Paper Jam Count by Location	Duplex Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-095	Paper Jam Count by Location	Multi feed (front) Detected	CTL*	[0 to 65535 / 0 / 0]
7-514-096	Paper Jam Count by Location	Timing lost	CTL*	[0 to 65535 / 0 / 0]
7-514-097	Paper Jam Count by Location	Shift over	CTL*	[0 to 65535 / 0 / 0]
7-514-098	Paper Jam Count by Location	Paper Thickness Error	CTL*	[0 to 65535 / 0 / 0]
7-514-099	Paper Jam Count by Location	Multi Feed (rear) Detected	CTL*	[0 to 65535 / 0 / 0]
7-514-100	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-101	Paper Jam Count by Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102	Location			
7-514-103	Paper Jam Count by Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-104	Paper Jam Count by Location	Shift Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-105	Paper Jam Count by Location	Shift Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-106	Paper Jam Count by Location	Staple Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-107	Paper Jam Count by Location	Staple Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-108	Paper Jam Count by Location	Pre Stack Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-109	Paper Jam Count by Location	Pre Stack Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-110	Paper Jam Count by Location	Feed-out Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-111	Paper Jam Count by Location	Drive Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-112	Paper Jam Count by Location	Tray Upper/Lower Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-113	Paper Jam Count by Location	Jogger Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-114	Paper Jam Count by Location	Shift Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-115	Paper Jam Count by Location	Staple Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-116	Paper Jam Count by Location	Feed-out Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-117	Paper Jam Count by Location	Punch Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-118	Paper Jam Count by Location	Z-Fold Motor Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-119	Paper Jam Count by Location	Pre-Stack-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
120	Location			
7-514-148	Paper Jam Count by Location	Plockmatic Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-149	Paper Jam Count by Location	Punch Unit Jams	CTL*	[0 to 65535 / 0 / 0]
7-514-150	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-151	Paper Jam Count by Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-152	Paper Jam Count by Location	Horizontal Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-153	Paper Jam Count by Location	Horizontal Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-154	Paper Jam Count by Location	Switchback Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-155	Paper Jam Count by Location	Switchback Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-156	Paper Jam Count by Location	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-157	Paper Jam Count by Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-158	Paper Jam Count by Location	Shift Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-159	Paper Jam Count by Location	Shift Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-160	Paper Jam Count by Location	Booklet Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-161	Paper Jam Count by Location	Booklet Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-162	Paper Jam Count by Location	Entrance Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-163	Paper Jam Count by Location	Horizontal Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-164	Paper Jam Count by Location	Pre Stack Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Middle Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165	Location			
7-514-166	Paper Jam Count by Location	Tray Exit Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-167	Paper Jam Count by Location	Trailing Edge Pressure Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-168	Paper Jam Count by Location	Paper Exit Gate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-169	Paper Jam Count by Location	Punch Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-170	Paper Jam Count by Location	Punch Drive Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-171	Paper Jam Count by Location	Paper Position Sensor Side Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-172	Paper Jam Count by Location	Lower Junction Gate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-173	Paper Jam Count by Location	Jogger Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-174	Paper Jam Count by Location	Positioning Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-175	Paper Jam Count by Location	Feed Out Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-176	Paper Jam Count by Location	Corner Stapler Movement Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-177	Paper Jam Count by Location	Corner Stapling Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-178	Paper Jam Count by Location	Booklet Jogger Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-179	Paper Jam Count by Location	Booklet Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-180	Paper Jam Count by Location	Booklet Fence Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-181	Paper Jam Count by Location	Booklet Stapling Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-182	Paper Jam Count by Location	Movement Roller Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Folding Transport Motor Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
183	Location			
7-514-184	Paper Jam Count by Location	Flat Fold Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-185	Paper Jam Count by Location	Tray Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-186	Paper Jam Count by Location	Shift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-187	Paper Jam Count by Location	Shift Jogger Front Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-188	Paper Jam Count by Location	Shift Jogger Rear Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-189	Paper Jam Count by Location	Shift Jogger Retraction Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-190	Paper Jam Count by Location	Stacking Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-191	Paper Jam Count by Location	Leading Edge Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-192	Paper Jam Count by Location	Positioning Roller Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-193	Paper Jam Count by Location	Paper Guide Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-194	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-514-200	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-201	Paper Jam Count by Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-202	Paper Jam Count by Location	Top Tray Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-203	Paper Jam Count by Location	Top Tray Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-204	Paper Jam Count by Location	Horizontal Path Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-205	Paper Jam Count by Location	Horizontal Path Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	1st Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
206	Location			
7-514-207	Paper Jam Count by Location	1st Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-208	Paper Jam Count by Location	2nd Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-209	Paper Jam Count by Location	2nd Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-210	Paper Jam Count by Location	3rd Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-211	Paper Jam Count by Location	3rd Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-212	Paper Jam Count by Location	Skew Correction Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-213	Paper Jam Count by Location	Folded Paper Path Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-214	Paper Jam Count by Location	Entrance JG Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-215	Paper Jam Count by Location	1st Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-216	Paper Jam Count by Location	2nd Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-217	Paper Jam Count by Location	3rd Stopper Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-218	Paper Jam Count by Location	Movement Roller Trans. Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-219	Paper Jam Count by Location	Registration Roller Release Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-220	Paper Jam Count by Location	Fold Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-221	Paper Jam Count by Location	Jogger Fence Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-222	Paper Jam Count by Location	Direct-Send JG Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-223	Paper Jam Count by Location	FM6 Pawl Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
249	Location			
7-514-250	Paper Jam Count by Location	Feed Entrance: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-251	Paper Jam Count by Location	Feed Entrance: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-252	Paper Jam Count by Location	Pressure Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-253	Paper Jam Count by Location	Pressure Timing Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-254	Paper Jam Count by Location	Release Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-514-255	Paper Jam Count by Location	Release Timing Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-001	Original Jam Count by Detection	At Power On	CTL*	[0 to 65535 / 0 / 0]
7-515-013	Original Jam Count by Detection	Separation Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-014	Original Jam Count by Detection	Skew Correction Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-015	Original Jam Count by Detection	Original Set Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-016	Original Jam Count by Detection	Registration Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-017	Original Jam Count by Detection	Original Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-063	Original Jam Count by Detection	Separation Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-064	Original Jam Count by Detection	Skew Correction Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-065	Original Jam Count by Detection	Original Set Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-066	Original Jam Count by Detection	Registration Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-067	Original Jam Count by Detection	Original Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-515-	Original Jam Count by	Pullout Original	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
239	Detection			
7-516-005	Paper Size Jam Count	A4 LEF	CTL*	[0 to 65535 / 0 / 0]
7-516-006	Paper Size Jam Count	A5 LEF	CTL*	[0 to 65535 / 0 / 0]
7-516-014	Paper Size Jam Count	B5 LEF	CTL*	[0 to 65535 / 0 / 0]
7-516-038	Paper Size Jam Count	LT LEF	CTL*	[0 to 65535 / 0 / 0]
7-516-044	Paper Size Jam Count	HLT LEF	CTL*	[0 to 65535 / 0 / 0]
7-516-132	Paper Size Jam Count	A3 SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-133	Paper Size Jam Count	A4 SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-134	Paper Size Jam Count	A5 SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-141	Paper Size Jam Count	B4 SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-142	Paper Size Jam Count	B5 SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-160	Paper Size Jam Count	DLT SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-164	Paper Size Jam Count	LG SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-166	Paper Size Jam Count	LT SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-172	Paper Size Jam Count	HLT SEF	CTL*	[0 to 65535 / 0 / 0]
7-516-255	Paper Size Jam Count	Others	CTL*	[0 to 65535 / 0 / 0]
7-519-001	Paper Jam Count by Location	Upper Stopper Motor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-002	Paper Jam Count by Location	Upper Stopper Motor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	Paper Exit 1 Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Location			
7-519-004	Paper Jam Count by Location	Paper Exit 1 Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-005	Paper Jam Count by Location	Paper Exit 3 Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-006	Paper Jam Count by Location	Paper Exit 3 Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-007	Paper Jam Count by Location	Brushless Motor	CTL*	[0 to 65535 / 0 / 0]
7-519-008	Paper Jam Count by Location	Lower Stopper Motor	CTL*	[0 to 65535 / 0 / 0]
7-519-009	Paper Jam Count by Location	Upper Stopper Motor	CTL*	[0 to 65535 / 0 / 0]
7-519-010	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-519-025	Paper Jam Count by Location	SUPERIOR:Transport Sensor Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-519-026	Paper Jam Count by Location	SUPERIOR:Tray Lift Motor	CTL*	[0 to 65535 / 0 / 0]
7-519-027	Paper Jam Count by Location	SUPERIOR:Tray Shift Motor	CTL*	[0 to 65535 / 0 / 0]
7-519-045	Paper Jam Count by Location	1st Paper Feed Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-046	Paper Jam Count by Location	1st Paper Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-047	Paper Jam Count by Location	2nd Paper Feed Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-048	Paper Jam Count by Location	2nd Paper Feed Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-049	Paper Jam Count by Location	1st Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-050	Paper Jam Count by Location	1st Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-051	Paper Jam Count by Location	2nd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by Location	2nd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052	Location			
7-519-053	Paper Jam Count by Location	1st Vertical Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-054	Paper Jam Count by Location	1st Vertical Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-055	Paper Jam Count by Location	2nd Vertical Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-056	Paper Jam Count by Location	2nd Vertical Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-057	Paper Jam Count by Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-058	Paper Jam Count by Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-059	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-060	Paper Jam Count by Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-061	Paper Jam Count by Location	Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-062	Paper Jam Count by Location	Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-063	Paper Jam Count by Location	1st Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-064	Paper Jam Count by Location	2nd Lift Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-065	Paper Jam Count by Location	1st Pick-up Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-066	Paper Jam Count by Location	2nd Pick-up Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-094	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-519-095	Paper Jam Count by Location	1st Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-096	Paper Jam Count by Location	1st Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by Location	2nd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
097	Location			
7-519-098	Paper Jam Count by Location	2nd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-099	Paper Jam Count by Location	3rd Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-100	Paper Jam Count by Location	3rd Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-101	Paper Jam Count by Location	4th Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-102	Paper Jam Count by Location	4th Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-103	Paper Jam Count by Location	5th Transport Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-104	Paper Jam Count by Location	5th Transport Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-105	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-519-115	Paper Jam Count by Location	Feed Sensor: Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-519-116	Paper Jam Count by Location	Exit Sensor: Late/Lag	CTL*	[0 to 65535 / 0 / 0]
7-519-117	Paper Jam Count by Location	Bottom Plate Motor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-125	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-126	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-145	Paper Jam Count by Location	Transport Sensor 1: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-146	Paper Jam Count by Location	Transport Sensor 1: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-147	Paper Jam Count by Location	Transport Sensor 2: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-148	Paper Jam Count by Location	Transport Sensor 2: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by Location	Transport Sensor 3: Late Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
149	Location			
7-519-150	Paper Jam Count by Location	Transport Sensor 3: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-151	Paper Jam Count by Location	Transport Sensor 4: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-152	Paper Jam Count by Location	Transport Sensor 4: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-153	Paper Jam Count by Location	Transport Sensor 5: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-154	Paper Jam Count by Location	Transport Sensor 5: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-155	Paper Jam Count by Location	Transport Sensor 6: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-156	Paper Jam Count by Location	Transport Sensor 6: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-157	Paper Jam Count by Location	Transport Sensor 7: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-158	Paper Jam Count by Location	Transport Sensor 7: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-159	Paper Jam Count by Location	Transport Sensor 8: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-160	Paper Jam Count by Location	Transport Sensor 8: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-161	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-519-195	Paper Jam Count by Location	Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-196	Paper Jam Count by Location	Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-197	Paper Jam Count by Location	Proof Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-198	Paper Jam Count by Location	Proof Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-199	Paper Jam Count by Location	Upper Tray Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by Location	Upper Tray Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
200	Location			
7-519-201	Paper Jam Count by Location	Staple Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-202	Paper Jam Count by Location	Staple Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-203	Paper Jam Count by Location	Pre Stack Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-204	Paper Jam Count by Location	Pre Stack Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-205	Paper Jam Count by Location	Feed-out Sensor Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-206	Paper Jam Count by Location	Booklet Entrance Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-207	Paper Jam Count by Location	Booklet Entrance Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-208	Paper Jam Count by Location	Booklet Exit Sensor: Late Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-209	Paper Jam Count by Location	Booklet Exit Sensor: Lag Jam	CTL*	[0 to 65535 / 0 / 0]
7-519-210	Paper Jam Count by Location	Transport-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-211	Paper Jam Count by Location	Tray-lift-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-212	Paper Jam Count by Location	Jogger-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-213	Paper Jam Count by Location	Shift-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-214	Paper Jam Count by Location	Stapler-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-215	Paper Jam Count by Location	Feed-out-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-216	Paper Jam Count by Location	Punch-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-217	Paper Jam Count by Location	Jogger-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by Location	Pre-stack-related Jams	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
218	Location			
7-519-219	Paper Jam Count by Location	Transport-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-220	Paper Jam Count by Location	Booklet-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-221	Paper Jam Count by Location	Folding-related Jams	CTL*	[0 to 65535 / 0 / 0]
7-519-222	Paper Jam Count by Location	Unknown Jams (for Debug)	CTL*	[0 to 65535 / 0 / 0]
7-519-223	Paper Jam Count by Location	Main Machine Data Corrupt	CTL*	[0 to 65535 / 0 / 0]
7-520-001	Update Log	ErrorRecord1	CTL*	[0 to 255 / 0 / 1]
7-520-002	Update Log	ErrorRecord2	CTL*	[0 to 255 / 0 / 1]
7-520-003	Update Log	ErrorRecord3	CTL*	[0 to 255 / 0 / 1]
7-520-004	Update Log	ErrorRecord4	CTL*	[0 to 255 / 0 / 1]
7-520-005	Update Log	ErrorRecord5	CTL*	[0 to 255 / 0 / 1]
7-520-006	Update Log	ErrorRecord6	CTL*	[0 to 255 / 0 / 1]
7-520-007	Update Log	ErrorRecord7	CTL*	[0 to 255 / 0 / 1]
7-520-008	Update Log	ErrorRecord8	CTL*	[0 to 255 / 0 / 1]
7-520-009	Update Log	ErrorRecord9	CTL*	[0 to 255 / 0 / 1]
7-520-010	Update Log	ErrorRecord10	CTL*	[0 to 255 / 0 / 1]
7-520-011	Update Log	Auto:StartDate1	CTL*	[0 to 0 / 0 / 0]
7-520-012	Update Log	Auto:StartDate2	CTL*	[0 to 0 / 0 / 0]
7-520-	Update Log	Auto:StartDate3	CTL*	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
7-520-014	Update Log	Auto:StartDate4	CTL*	[0 to 0 / 0 / 0]
7-520-015	Update Log	Auto:StartDate5	CTL*	[0 to 0 / 0 / 0]
7-520-021	Update Log	Auto:EndDate1	CTL*	[0 to 0 / 0 / 0]
7-520-022	Update Log	Auto:EndDate2	CTL*	[0 to 0 / 0 / 0]
7-520-023	Update Log	Auto:EndDate3	CTL*	[0 to 0 / 0 / 0]
7-520-024	Update Log	Auto:EndDate4	CTL*	[0 to 0 / 0 / 0]
7-520-025	Update Log	Auto:EndDate5	CTL*	[0 to 0 / 0 / 0]
7-520-031	Update Log	Auto:Piecemark1	CTL*	[0 to 0 / 0 / 0]
7-520-032	Update Log	Auto:Piecemark2	CTL*	[0 to 0 / 0 / 0]
7-520-033	Update Log	Auto:Piecemark3	CTL*	[0 to 0 / 0 / 0]
7-520-034	Update Log	Auto:Piecemark4	CTL*	[0 to 0 / 0 / 0]
7-520-035	Update Log	Auto:Piecemark5	CTL*	[0 to 0 / 0 / 0]
7-520-041	Update Log	Auto:Version1	CTL*	[0 to 0 / 0 / 0]
7-520-042	Update Log	Auto:Version2	CTL*	[0 to 0 / 0 / 0]
7-520-043	Update Log	Auto:Version3	CTL*	[0 to 0 / 0 / 0]
7-520-044	Update Log	Auto:Version4	CTL*	[0 to 0 / 0 / 0]
7-520-045	Update Log	Auto:Version5	CTL*	[0 to 0 / 0 / 0]
7-520-	Update Log	Auto:Result1	CTL*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051				
7-520-052	Update Log	Auto:Result2	CTL*	[0 to 255 / 0 / 1]
7-520-053	Update Log	Auto:Result3	CTL*	[0 to 255 / 0 / 1]
7-520-054	Update Log	Auto:Result4	CTL*	[0 to 255 / 0 / 1]
7-520-055	Update Log	Auto:Result5	CTL*	[0 to 255 / 0 / 1]
7-520-056	Update Log	Auto:Result6	CTL*	[0 to 255 / 0 / 1]
7-520-057	Update Log	Auto:Result7	CTL*	[0 to 255 / 0 / 1]
7-520-058	Update Log	Auto:Result8	CTL*	[0 to 255 / 0 / 1]
7-520-059	Update Log	Auto:Result9	CTL*	[0 to 255 / 0 / 1]
7-520-060	Update Log	Auto:Result10	CTL*	[0 to 255 / 0 / 1]
7-521-001	Paper Kind Jam	Normal	CTL*	[0 to 65535 / 0 / 0]
7-521-002	Paper Kind Jam	Recycle	CTL*	[0 to 65535 / 0 / 0]
7-521-003	Paper Kind Jam	Special	CTL*	[0 to 65535 / 0 / 0]
7-521-004	Paper Kind Jam	Tracing	CTL*	[0 to 65535 / 0 / 0]
7-521-005	Paper Kind Jam	OHP	CTL*	[0 to 65535 / 0 / 0]
7-521-006	Paper Kind Jam	Label	CTL*	[0 to 65535 / 0 / 0]
7-521-007	Paper Kind Jam	Bond	CTL*	[0 to 65535 / 0 / 0]
7-521-008	Paper Kind Jam	Cardstock	CTL*	[0 to 65535 / 0 / 0]
7-521-	Paper Kind Jam	Glossy	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
7-521-010	Paper Kind Jam	Used	CTL*	[0 to 65535 / 0 / 0]
7-521-011	Paper Kind Jam	Film	CTL*	[0 to 65535 / 0 / 0]
7-521-012	Paper Kind Jam	Inkpost	CTL*	[0 to 65535 / 0 / 0]
7-521-013	Paper Kind Jam	HG Normal	CTL*	[0 to 65535 / 0 / 0]
7-521-014	Paper Kind Jam	Envelope	CTL*	[0 to 65535 / 0 / 0]
7-521-015	Paper Kind Jam	Photo	CTL*	[0 to 65535 / 0 / 0]
7-521-016	Paper Kind Jam	Coating	CTL*	[0 to 65535 / 0 / 0]
7-521-017	Paper Kind Jam	Special2	CTL*	[0 to 65535 / 0 / 0]
7-521-018	Paper Kind Jam	Special3	CTL*	[0 to 65535 / 0 / 0]
7-521-019	Paper Kind Jam	Post	CTL*	[0 to 65535 / 0 / 0]
7-521-020	Paper Kind Jam	Glossy Think	CTL*	[0 to 65535 / 0 / 0]
7-521-021	Paper Kind Jam	Special4	CTL*	[0 to 65535 / 0 / 0]
7-521-022	Paper Kind Jam	Special5	CTL*	[0 to 65535 / 0 / 0]
7-521-023	Paper Kind Jam	Special6	CTL*	[0 to 65535 / 0 / 0]
7-521-024	Paper Kind Jam	Coating2	CTL*	[0 to 65535 / 0 / 0]
7-521-025	Paper Kind Jam	Coating3	CTL*	[0 to 65535 / 0 / 0]
7-521-026	Paper Kind Jam	Coating Glossy	CTL*	[0 to 65535 / 0 / 0]
7-521-	Paper Kind Jam	Coating Matte	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
027				
7-521-028	Paper Kind Jam	Water Proof	CTL*	[0 to 65535 / 0 / 0]
7-521-029	Paper Kind Jam	Coating High Glossy	CTL*	[0 to 65535 / 0 / 0]
7-521-030	Paper Kind Jam	Ink Normal	CTL*	[0 to 65535 / 0 / 0]
7-521-031	Paper Kind Jam	Tracing Mono	CTL*	[0 to 65535 / 0 / 0]
7-521-032	Paper Kind Jam	Tracing Color	CTL*	[0 to 65535 / 0 / 0]
7-521-033	Paper Kind Jam	Matte Film	CTL*	[0 to 65535 / 0 / 0]
7-521-034	Paper Kind Jam	Coating Cad	CTL*	[0 to 65535 / 0 / 0]
7-521-035	Paper Kind Jam	Photo Glossy	CTL*	[0 to 65535 / 0 / 0]
7-521-036	Paper Kind Jam	Uneven	CTL*	[0 to 65535 / 0 / 0]
7-521-037	Paper Kind Jam	Magnet	CTL*	[0 to 65535 / 0 / 0]
7-521-038	Paper Kind Jam	Metallic Pearl	CTL*	[0 to 65535 / 0 / 0]
7-521-039	Paper Kind Jam	Clear File	CTL*	[0 to 65535 / 0 / 0]
7-521-040	Paper Kind Jam	Synthetic	CTL*	[0 to 65535 / 0 / 0]
7-521-041	Paper Kind Jam	NCR	CTL*	[0 to 65535 / 0 / 0]
7-521-255	Paper Kind Jam	Others	CTL*	[0 to 65535 / 0 / 0]
7-522-001	Paper Thick Jam	Paper Thick 0	CTL*	[0 to 65535 / 0 / 0]
7-522-002	Paper Thick Jam	Paper Thick 1	CTL*	[0 to 65535 / 0 / 0]
7-522-	Paper Thick Jam	Paper Thick 2	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
7-522-004	Paper Thick Jam	Paper Thick 3	CTL*	[0 to 65535 / 0 / 0]
7-522-005	Paper Thick Jam	Paper Thick 4	CTL*	[0 to 65535 / 0 / 0]
7-522-006	Paper Thick Jam	Paper Thick 5	CTL*	[0 to 65535 / 0 / 0]
7-522-007	Paper Thick Jam	Paper Thick 6	CTL*	[0 to 65535 / 0 / 0]
7-522-008	Paper Thick Jam	Paper Thick 7	CTL*	[0 to 65535 / 0 / 0]
7-522-009	Paper Thick Jam	Paper Thick 8	CTL*	[0 to 65535 / 0 / 0]
7-522-010	Paper Thick Jam	Paper Thick 9	CTL*	[0 to 65535 / 0 / 0]
7-522-255	Paper Thick Jam	Others	CTL*	[0 to 65535 / 0 / 0]
7-531-001	Paper Kind Jam Count	Normal	CTL*	[0 to 65535 / 0 / 0]
7-531-002	Paper Kind Jam Count	Recycle	CTL*	[0 to 65535 / 0 / 0]
7-531-003	Paper Kind Jam Count	Special	CTL*	[0 to 65535 / 0 / 0]
7-531-004	Paper Kind Jam Count	Tracing	CTL*	[0 to 65535 / 0 / 0]
7-531-005	Paper Kind Jam Count	OHP	CTL*	[0 to 65535 / 0 / 0]
7-531-006	Paper Kind Jam Count	Label	CTL*	[0 to 65535 / 0 / 0]
7-531-007	Paper Kind Jam Count	Bond	CTL*	[0 to 65535 / 0 / 0]
7-531-008	Paper Kind Jam Count	Cardstock	CTL*	[0 to 65535 / 0 / 0]
7-531-009	Paper Kind Jam Count	Glossy	CTL*	[0 to 65535 / 0 / 0]
7-531-	Paper Kind Jam Count	Used	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
7-531-011	Paper Kind Jam Count	Film	CTL*	[0 to 65535 / 0 / 0]
7-531-012	Paper Kind Jam Count	Inkpost	CTL*	[0 to 65535 / 0 / 0]
7-531-013	Paper Kind Jam Count	HG Normal	CTL*	[0 to 65535 / 0 / 0]
7-531-014	Paper Kind Jam Count	Envelope	CTL*	[0 to 65535 / 0 / 0]
7-531-015	Paper Kind Jam Count	Photo	CTL*	[0 to 65535 / 0 / 0]
7-531-016	Paper Kind Jam Count	Coating	CTL*	[0 to 65535 / 0 / 0]
7-531-017	Paper Kind Jam Count	Special2	CTL*	[0 to 65535 / 0 / 0]
7-531-018	Paper Kind Jam Count	Special3	CTL*	[0 to 65535 / 0 / 0]
7-531-019	Paper Kind Jam Count	Post	CTL*	[0 to 65535 / 0 / 0]
7-531-020	Paper Kind Jam Count	Glossy Think	CTL*	[0 to 65535 / 0 / 0]
7-531-021	Paper Kind Jam Count	Special4	CTL*	[0 to 65535 / 0 / 0]
7-531-022	Paper Kind Jam Count	Special5	CTL*	[0 to 65535 / 0 / 0]
7-531-023	Paper Kind Jam Count	Special6	CTL*	[0 to 65535 / 0 / 0]
7-531-024	Paper Kind Jam Count	Coating2	CTL*	[0 to 65535 / 0 / 0]
7-531-025	Paper Kind Jam Count	Coating3	CTL*	[0 to 65535 / 0 / 0]
7-531-026	Paper Kind Jam Count	Coating Glossy	CTL*	[0 to 65535 / 0 / 0]
7-531-027	Paper Kind Jam Count	Coating Matte	CTL*	[0 to 65535 / 0 / 0]
7-531-	Paper Kind Jam Count	Water Proof	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
028				
7-531-029	Paper Kind Jam Count	Coating High Glossy	CTL*	[0 to 65535 / 0 / 0]
7-531-030	Paper Kind Jam Count	Ink Normal	CTL*	[0 to 65535 / 0 / 0]
7-531-031	Paper Kind Jam Count	Tracing Mono	CTL*	[0 to 65535 / 0 / 0]
7-531-032	Paper Kind Jam Count	Tracing Color	CTL*	[0 to 65535 / 0 / 0]
7-531-033	Paper Kind Jam Count	Matte Film	CTL*	[0 to 65535 / 0 / 0]
7-531-034	Paper Kind Jam Count	Coating Cad	CTL*	[0 to 65535 / 0 / 0]
7-531-035	Paper Kind Jam Count	Photo Glossy	CTL*	[0 to 65535 / 0 / 0]
7-531-036	Paper Kind Jam Count	Uneven	CTL*	[0 to 65535 / 0 / 0]
7-531-037	Paper Kind Jam Count	Magnet	CTL*	[0 to 65535 / 0 / 0]
7-531-038	Paper Kind Jam Count	Metallic Pearl	CTL*	[0 to 65535 / 0 / 0]
7-531-039	Paper Kind Jam Count	Clear File	CTL*	[0 to 65535 / 0 / 0]
7-531-040	Paper Kind Jam Count	Synthetic	CTL*	[0 to 65535 / 0 / 0]
7-531-041	Paper Kind Jam Count	NCR	CTL*	[0 to 65535 / 0 / 0]
7-531-255	Paper Kind Jam Count	Others	CTL*	[0 to 65535 / 0 / 0]
7-532-001	Paper Thick Jam Count	Paper Thick 0	CTL*	[0 to 65535 / 0 / 0]
7-532-002	Paper Thick Jam Count	Paper Thick 1	CTL*	[0 to 65535 / 0 / 0]
7-532-003	Paper Thick Jam Count	Paper Thick 2	CTL*	[0 to 65535 / 0 / 0]
7-532-	Paper Thick Jam Count	Paper Thick 3	CTL*	[0 to 65535 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
7-532-005	Paper Thick Jam Count	Paper Thick 4	CTL*	[0 to 65535 / 0 / 0]
7-532-006	Paper Thick Jam Count	Paper Thick 5	CTL*	[0 to 65535 / 0 / 0]
7-532-007	Paper Thick Jam Count	Paper Thick 6	CTL*	[0 to 65535 / 0 / 0]
7-532-008	Paper Thick Jam Count	Paper Thick 7	CTL*	[0 to 65535 / 0 / 0]
7-532-009	Paper Thick Jam Count	Paper Thick 8	CTL*	[0 to 65535 / 0 / 0]
7-532-010	Paper Thick Jam Count	Paper Thick 9	CTL*	[0 to 65535 / 0 / 0]
7-532-255	Paper Thick Jam Count	Others	CTL*	[0 to 65535 / 0 / 0]
7-617-001	PM Parts Counter Display	Normal	CTL*	[0 to 9999999 / 0 / 0]
7-617-002	PM Parts Counter Display	Df	CTL*	[0 to 9999999 / 0 / 0]
7-618-001	PM Parts Counter Reset	Normal	CTL	[0 to 0 / 0 / 0]
7-618-002	PM Parts Counter Reset	Df	CTL	[0 to 0 / 0 / 0]
7-621-003	PM Counter	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-004	PM Counter	Development: Bk	ENG	[0 to 99999999 / 0 / 1]
7-621-005	PM Counter	Development Filter:K	ENG	[0 to 99999999 / 0 / 1]
7-621-008	PM Counter	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 / 1]
7-621-009	PM Counter	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-010	PM Counter	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Lubricant Bar: K	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
7-621-012	PM Counter	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-013	PM Counter	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1]
7-621-014	PM Counter	Gears:K	ENG	[0 to 99999999 / 0 / 1]
7-621-017	PM Counter	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-021	PM Counter	#PCU:K	ENG	[0 to 99999999 / 0 / 1]
7-621-026	PM Counter	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-027	PM Counter	Development: C	ENG	[0 to 99999999 / 0 / 1]
7-621-028	PM Counter	Development Filter:C	ENG	[0 to 99999999 / 0 / 1]
7-621-031	PM Counter	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1]
7-621-032	PM Counter	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-033	PM Counter	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-034	PM Counter	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1]
7-621-035	PM Counter	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-036	PM Counter	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 / 1]
7-621-037	PM Counter	Gears:C	ENG	[0 to 99999999 / 0 / 1]
7-621-040	PM Counter	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-044	PM Counter	#PCU:C	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	#M_Development Unit	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				
7-621-050	PM Counter	Development: M	ENG	[0 to 99999999 / 0 / 1]
7-621-051	PM Counter	Development Filter:M	ENG	[0 to 99999999 / 0 / 1]
7-621-054	PM Counter	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1]
7-621-055	PM Counter	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-056	PM Counter	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-057	PM Counter	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1]
7-621-058	PM Counter	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-059	PM Counter	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1]
7-621-060	PM Counter	Gears:M	ENG	[0 to 99999999 / 0 / 1]
7-621-063	PM Counter	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-067	PM Counter	#PCU:M	ENG	[0 to 99999999 / 0 / 1]
7-621-072	PM Counter	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-073	PM Counter	Development: Y	ENG	[0 to 99999999 / 0 / 1]
7-621-074	PM Counter	Development Filter:Y	ENG	[0 to 99999999 / 0 / 1]
7-621-077	PM Counter	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 / 1]
7-621-078	PM Counter	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-079	PM Counter	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080				
7-621-081	PM Counter	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-082	PM Counter	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1]
7-621-083	PM Counter	Gears:Y	ENG	[0 to 99999999 / 0 / 1]
7-621-086	PM Counter	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-090	PM Counter	#PCU:Y	ENG	[0 to 99999999 / 0 / 1]
7-621-093	PM Counter	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-094	PM Counter	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-621-095	PM Counter	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1]
7-621-096	PM Counter	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1]
7-621-097	PM Counter	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1]
7-621-098	PM Counter	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1]
7-621-099	PM Counter	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-102	PM Counter	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-103	PM Counter	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-104	PM Counter	Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-105	PM Counter	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1]
7-621-106	PM Counter	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
109				
7-621-110	PM Counter	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-111	PM Counter	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-621-114	PM Counter	#Fusing	ENG	[0 to 99999999 / 0 / 1]
7-621-115	PM Counter	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-116	PM Counter	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-117	PM Counter	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-118	PM Counter	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-119	PM Counter	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1]
7-621-126	PM Counter	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-127	PM Counter	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1]
7-621-130	PM Counter	#Main Unit Filters	ENG	[0 to 99999999 / 0 / 1]
7-621-131	PM Counter	Dust Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-621-132	PM Counter	Dust Filter:Small	ENG	[0 to 99999999 / 0 / 1]
7-621-133	PM Counter	Ozone Filter	ENG	[0 to 99999999 / 0 / 1]
7-621-134	PM Counter	Deodorant Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-621-135	PM Counter	Deodorant Filter:Small	ENG	[0 to 99999999 / 0 / 1]
7-621-140	PM Counter	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
141				
7-621-142	PM Counter	Waste Toner Bottle	ENG	[0 to 99999999 / 0 / 1]
7-621-143	PM Counter	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 0 / 1]
7-621-145	PM Counter	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-146	PM Counter	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-147	PM Counter	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-148	PM Counter	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-151	PM Counter	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-152	PM Counter	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-153	PM Counter	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-154	PM Counter	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-157	PM Counter	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-158	PM Counter	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-621-159	PM Counter	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-160	PM Counter	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-163	PM Counter	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-164	PM Counter	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-165	PM Counter	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Feed Roller:Tray 4:Separation	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
166		Roller		
7-621-169	PM Counter	#Feed Roller:Bypass	ENG	[0 to 99999999 / 0 / 1]
7-621-170	PM Counter	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-621-171	PM Counter	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-172	PM Counter	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-175	PM Counter	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 0 / 1]
7-621-176	PM Counter	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-621-177	PM Counter	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-178	PM Counter	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-181	PM Counter	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 0 / 1]
7-621-182	PM Counter	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-621-183	PM Counter	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-184	PM Counter	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-187	PM Counter	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 0 / 1]
7-621-188	PM Counter	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-621-189	PM Counter	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-190	PM Counter	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-193	PM Counter	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
194				
7-621-195	PM Counter	Inserter:Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-196	PM Counter	Inserter:Tray2:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-199	PM Counter	#Interposer	ENG	[0 to 99999999 / 0 / 1]
7-621-200	PM Counter	Feed Belt:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-621-201	PM Counter	Separation Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-621-202	PM Counter	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-621-205	PM Counter	#ADF	ENG	[0 to 99999999 / 0 / 1]
7-621-206	PM Counter	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-207	PM Counter	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-208	PM Counter	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-622-003	Reset	#K_Development Unit	ENG	[0 to 1 / 0 / 1]
7-622-004	Reset	Development: Bk	ENG	[0 to 1 / 0 / 1]
7-622-005	Reset	Development Filter:K	ENG	[0 to 1 / 0 / 1]
7-622-008	Reset	#Cleaning Unit: K	ENG	[0 to 1 / 0 / 1]
7-622-009	Reset	K_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-010	Reset	K_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-622-011	Reset	Lubricant Bar: K	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	K_Lubricant Blade	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
7-622-013	Reset	Brash Drive Joint:K	ENG	[0 to 1 / 0 / 1]
7-622-014	Reset	Gears:K	ENG	[0 to 1 / 0 / 1]
7-622-017	Reset	#K_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-622-021	Reset	#PCU:K	ENG	[0 to 1 / 0 / 1]
7-622-026	Reset	#C_Development Unit	ENG	[0 to 1 / 0 / 1]
7-622-027	Reset	Development: C	ENG	[0 to 1 / 0 / 1]
7-622-028	Reset	Development Filter:C	ENG	[0 to 1 / 0 / 1]
7-622-031	Reset	#Cleaning Unit: C	ENG	[0 to 1 / 0 / 1]
7-622-032	Reset	C_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-033	Reset	C_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-622-034	Reset	Lubricant Bar: C	ENG	[0 to 1 / 0 / 1]
7-622-035	Reset	C_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-622-036	Reset	Brash Drive Joint:C	ENG	[0 to 1 / 0 / 1]
7-622-037	Reset	Gears:C	ENG	[0 to 1 / 0 / 1]
7-622-040	Reset	#C_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-622-044	Reset	#PCU:C	ENG	[0 to 1 / 0 / 1]
7-622-049	Reset	#M_Development Unit	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Development: M	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				
7-622-051	Reset	Development Filter:M	ENG	[0 to 1 / 0 / 1]
7-622-054	Reset	#Cleaning Unit: M	ENG	[0 to 1 / 0 / 1]
7-622-055	Reset	M_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-056	Reset	M_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-622-057	Reset	Lubricant Bar: M	ENG	[0 to 1 / 0 / 1]
7-622-058	Reset	M_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-622-059	Reset	Brash Drive Joint:M	ENG	[0 to 1 / 0 / 1]
7-622-060	Reset	Gears:M	ENG	[0 to 1 / 0 / 1]
7-622-063	Reset	#M_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-622-067	Reset	#PCU:M	ENG	[0 to 1 / 0 / 1]
7-622-072	Reset	#Y_Development Unit	ENG	[0 to 1 / 0 / 1]
7-622-073	Reset	Development: Y	ENG	[0 to 1 / 0 / 1]
7-622-074	Reset	Development Filter:Y	ENG	[0 to 1 / 0 / 1]
7-622-077	Reset	#Cleaning Unit: Y	ENG	[0 to 1 / 0 / 1]
7-622-078	Reset	Y_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-079	Reset	Y_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-622-080	Reset	Lubricant Bar: Y	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Y_Lubricant Blade	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
081				
7-622-082	Reset	Brash Drive Joint:Y	ENG	[0 to 1 / 0 / 1]
7-622-083	Reset	Gears:Y	ENG	[0 to 1 / 0 / 1]
7-622-086	Reset	#Y_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-622-090	Reset	#PCU:Y	ENG	[0 to 1 / 0 / 1]
7-622-093	Reset	#Image Transfer Unit	ENG	[0 to 1 / 0 / 1]
7-622-094	Reset	ITB(Image Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-622-095	Reset	ITB Roller: K	ENG	[0 to 1 / 0 / 1]
7-622-096	Reset	ITB Roller: C	ENG	[0 to 1 / 0 / 1]
7-622-097	Reset	ITB Roller: M	ENG	[0 to 1 / 0 / 1]
7-622-098	Reset	ITB Roller: Y	ENG	[0 to 1 / 0 / 1]
7-622-099	Reset	ITB Bias Roller	ENG	[0 to 1 / 0 / 1]
7-622-102	Reset	#ITB Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-103	Reset	ITB Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-104	Reset	Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-622-105	Reset	Lubrication: Belt Cleanig	ENG	[0 to 1 / 0 / 1]
7-622-106	Reset	Lube Application Blade	ENG	[0 to 1 / 0 / 1]
7-622-109	Reset	#Paper Transfer Unit	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	PTB Cleaning Blade	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
110				
7-622-111	Reset	PTB(Paper Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-622-114	Reset	#Fusing	ENG	[0 to 1 / 0 / 1]
7-622-115	Reset	#Fusing Unit	ENG	[0 to 1 / 0 / 1]
7-622-116	Reset	Fusing Belt	ENG	[0 to 1 / 0 / 1]
7-622-117	Reset	Hot Roller	ENG	[0 to 1 / 0 / 1]
7-622-118	Reset	Pressure Roller	ENG	[0 to 1 / 0 / 1]
7-622-119	Reset	Pressure Roller Bearings	ENG	[0 to 1 / 0 / 1]
7-622-120	Reset	Fusing Belt Smoothing Roller	ENG	[0 to 1 / 0 / 1]
7-622-124	Reset	#Fusing Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-125	Reset	Cleaning Web	ENG	[0 to 1 / 0 / 1]
7-622-126	Reset	Web Cleaning Roller	ENG	[0 to 1 / 0 / 1]
7-622-127	Reset	Web Roller Stopper	ENG	[0 to 1 / 0 / 1]
7-622-130	Reset	#Main Unit Filters	ENG	[0 to 1 / 0 / 1]
7-622-131	Reset	Dust Filter:Large	ENG	[0 to 1 / 0 / 1]
7-622-132	Reset	Dust Filter:Small	ENG	[0 to 1 / 0 / 1]
7-622-133	Reset	Ozone Filter	ENG	[0 to 1 / 0 / 1]
7-622-134	Reset	Deodorant Filter:Large	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Deodorant Filter:Small	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
135				
7-622-140	Reset	Filter:UFP:Transfer:Fusing	ENG	[0 to 1 / 0 / 1]
7-622-141	Reset	Filter:UFP:Pressure Roller	ENG	[0 to 1 / 0 / 1]
7-622-143	Reset	Filter:UFP:Fusing:Exit	ENG	[0 to 1 / 0 / 1]
7-622-145	Reset	#Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-146	Reset	Pick-up Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-622-147	Reset	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-148	Reset	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-151	Reset	#Tray2 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-152	Reset	Pick-up Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-622-153	Reset	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-154	Reset	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-157	Reset	#Tray3 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-158	Reset	Pick-up Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-622-159	Reset	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-160	Reset	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-163	Reset	#Tray4 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-164	Reset	Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165				
7-622-166	Reset	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-169	Reset	#Feed Roller:Bypass	ENG	[0 to 1 / 0 / 1]
7-622-170	Reset	Feed Roller:Bypass:Pick-up	ENG	[0 to 1 / 0 / 1]
7-622-171	Reset	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-172	Reset	Feed Roller:Bypass:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-175	Reset	#Feed Roller:A3LCT	ENG	[0 to 1 / 0 / 1]
7-622-176	Reset	Feed Roller:A3LCT:Pick-up	ENG	[0 to 1 / 0 / 1]
7-622-177	Reset	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-178	Reset	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-181	Reset	#Feed Roller:A4LCT	ENG	[0 to 1 / 0 / 1]
7-622-182	Reset	Feed Roller:A4LCT:Pick-up	ENG	[0 to 1 / 0 / 1]
7-622-183	Reset	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-622-184	Reset	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-187	Reset	#Inserter Feed:Tray 1	ENG	[0 to 1 / 0 / 1]
7-622-188	Reset	Inserter:Tray1:Pick-up	ENG	[0 to 1 / 0 / 1]
7-622-189	Reset	Inserter:Tray1:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-190	Reset	Inserter:Tray1:Separate Roller	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	#Inserter Feed:Tray 2	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
193				
7-622-194	Reset	Insertor:Tray2:Pick-up	ENG	[0 to 1 / 0 / 1]
7-622-195	Reset	Insertor:Tray2:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-196	Reset	Insertor:Tray2:Separate Roller	ENG	[0 to 1 / 0 / 1]
7-622-199	Reset	#Interposer	ENG	[0 to 1 / 0 / 1]
7-622-200	Reset	Feed Belt:Interposer	ENG	[0 to 1 / 0 / 1]
7-622-201	Reset	Separation Roller:Interposer	ENG	[0 to 1 / 0 / 1]
7-622-202	Reset	Pick-up Roller:Interposer	ENG	[0 to 1 / 0 / 1]
7-622-205	Reset	#ADF	ENG	[0 to 1 / 0 / 1]
7-622-206	Reset	ADF Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-207	Reset	ADF Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-208	Reset	ADF Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-623-003	Standard Value	#K_Development Unit	ENG	[0 to 99999999 / 9000000 / 1]
7-623-004	Standard Value	Development: Bk	ENG	[0 to 99999999 / 600000 / 1]
7-623-005	Standard Value	Development Filter:K	ENG	[0 to 99999999 / 600000 / 1]
7-623-008	Standard Value	#Cleaning Unit: K	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-009	Standard Value	K_Cleaning Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-010	Standard Value	K_Lubricant Brush	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-011	Standard Value	Lubricant Bar: K	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-012	Standard Value	K_Lubricant Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-013	Standard Value	Brash Drive Joint:K	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-014	Standard Value	Gears:K	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-017	Standard Value	#K_Charge Roller Unit	ENG	[0 to 99999999 / * / 1] *MP C6503: 400000 *MP C8003: 400000 *Pro C5200S: 500000 *Pro C5210S: 500000
7-623-021	Standard Value	#PCU:K	ENG	[0 to 99999999 / 1000000 / 1]
7-623-026	Standard Value	#C_Development Unit	ENG	[0 to 99999999 / 9000000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-623-027	Standard Value	Development: C	ENG	[0 to 99999999 / 600000 / 1]
7-623-028	Standard Value	Development Filter:C	ENG	[0 to 99999999 / 600000 / 1]
7-623-031	Standard Value	#Cleaning Unit: C	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-032	Standard Value	C_Cleaning Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-033	Standard Value	C_Lubricant Brush	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-034	Standard Value	Lubricant Bar: C	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-035	Standard Value	C_Lubricant Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-036	Standard Value	Brash Drive Joint:C	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-037	Standard Value	Gears:C	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5200S: 400000 *Pro C5210S: 400000
7-623-040	Standard Value	#C_Charge Roller Unit	ENG	[0 to 99999999 / * / 1] *MP C6503: 400000 *MP C8003: 400000 *Pro C5200S: 500000 *Pro C5210S: 500000
7-623-044	Standard Value	#PCU:C	ENG	[0 to 99999999 / 1000000 / 1]
7-623-049	Standard Value	#M_Development Unit	ENG	[0 to 99999999 / 9000000 / 1]
7-623-050	Standard Value	Development: M	ENG	[0 to 99999999 / 600000 / 1]
7-623-051	Standard Value	Development Filter:M	ENG	[0 to 99999999 / 600000 / 1]
7-623-054	Standard Value	#Cleaning Unit: M	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-055	Standard Value	M_Cleaning Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-056	Standard Value	M_Lubricant Brush	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-057	Standard Value	Lubricant Bar: M	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-058	Standard Value	M_Lubricant Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-059	Standard Value	Brash Drive Joint:M	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-060	Standard Value	Gears:M	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-063	Standard Value	#M_Charge Roller Unit	ENG	[0 to 99999999 / * / 1] *MP C6503: 400000 *MP C8003: 400000 *Pro C5200S: 500000 *Pro C5210S: 500000
7-623-067	Standard Value	#PCU:M	ENG	[0 to 99999999 / 1000000 / 1]
7-623-072	Standard Value	#Y_Development Unit	ENG	[0 to 99999999 / 9000000 / 1]
7-623-073	Standard Value	Development: Y	ENG	[0 to 99999999 / 600000 / 1]
7-623-074	Standard Value	Development Filter:Y	ENG	[0 to 99999999 / 600000 / 1]
7-623-077	Standard Value	#Cleaning Unit: Y	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-078	Standard Value	Y_Cleaning Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-	Standard Value	Y_Lubricant Brush	ENG	[0 to 99999999 / * / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
079				*MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-080	Standard Value	Lubricant Bar: Y	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-081	Standard Value	Y_Lubricant Blade	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-082	Standard Value	Brash Drive Joint:Y	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-083	Standard Value	Gears:Y	ENG	[0 to 99999999 / * / 1] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 400000 *Pro C5210S: 400000
7-623-086	Standard Value	#Y_Charge Roller Unit	ENG	[0 to 99999999 / * / 1] *MP C6503: 400000 *MP C8003: 400000 *Pro C5200S: 500000 *Pro C5210S: 500000
7-623-090	Standard Value	#PCU:Y	ENG	[0 to 99999999 / 1000000 / 1]
7-623-093	Standard Value	#Image Transfer Unit	ENG	[0 to 99999999 / 1000000 / 1]
7-623-094	Standard Value	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-095	Standard Value	ITB Roller: K	ENG	[0 to 99999999 / 1000000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-623-096	Standard Value	ITB Roller: C	ENG	[0 to 99999999 / 1000000 / 1]
7-623-097	Standard Value	ITB Roller: M	ENG	[0 to 99999999 / 1000000 / 1]
7-623-098	Standard Value	ITB Roller: Y	ENG	[0 to 99999999 / 1000000 / 1]
7-623-099	Standard Value	ITB Bias Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-102	Standard Value	#ITB Cleaning Unit	ENG	[0 to 99999999 / 500000 / 1]
7-623-103	Standard Value	ITB Cleaning Blade	ENG	[0 to 99999999 / 500000 / 1]
7-623-104	Standard Value	Lubricant Brush	ENG	[0 to 99999999 / 500000 / 1]
7-623-105	Standard Value	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 500000 / 1]
7-623-106	Standard Value	Lube Application Blade	ENG	[0 to 99999999 / 500000 / 1]
7-623-109	Standard Value	#Paper Transfer Unit	ENG	[0 to 99999999 / 500000 / 1]
7-623-110	Standard Value	PTB Cleaning Blade	ENG	[0 to 99999999 / 500000 / 1]
7-623-111	Standard Value	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-114	Standard Value	#Fusing	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 600000 *Pro C5210S: 600000
7-623-115	Standard Value	#Fusing Unit	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 600000 *Pro C5210S: 600000
7-623-116	Standard Value	Fusing Belt	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*MP C8003: 700000 *Pro C5200S: 600000 *Pro C5210S: 600000
7-623-117	Standard Value	Hot Roller	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 600000 *Pro C5210S: 600000
7-623-118	Standard Value	Pressure Roller	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 600000 *Pro C5210S: 600000
7-623-119	Standard Value	Pressure Roller Bearings	ENG	[0 to 99999999 / * / 1] *MP C6503: 700000 *MP C8003: 700000 *Pro C5200S: 800000 *Pro C5210S: 800000
7-623-126	Standard Value	Web Cleaning Roller	ENG	[0 to 99999999 / 450000 / 1]
7-623-127	Standard Value	Web Roller Stopper	ENG	[0 to 99999999 / 450000 / 1]
7-623-130	Standard Value	#Main Unit Filters	ENG	[0 to 99999999 / 300000 / 1]
7-623-131	Standard Value	Dust Filter:Large	ENG	[0 to 99999999 / 600000 / 1]
7-623-132	Standard Value	Dust Filter:Small	ENG	[0 to 99999999 / 300000 / 1]
7-623-133	Standard Value	Ozone Filter	ENG	[0 to 99999999 / 1200000 / 1]
7-623-134	Standard Value	Deodorant Filter:Large	ENG	[0 to 99999999 / 1200000 / 1]
7-623-135	Standard Value	Deodorant Filter:Small	ENG	[0 to 99999999 / 1200000 / 1]
7-623-140	Standard Value	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 1200000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-623-141	Standard Value	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 1200000 / 1]
7-623-142	Standard Value	Waste Toner Bottle	ENG	[0 to 99999999 / 4104000 / 1]
7-623-143	Standard Value	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 1200000 / 1]
7-623-145	Standard Value	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-146	Standard Value	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 500000 / 1]
7-623-147	Standard Value	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-148	Standard Value	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-151	Standard Value	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-152	Standard Value	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 500000 / 1]
7-623-153	Standard Value	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-154	Standard Value	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-157	Standard Value	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-158	Standard Value	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 500000 / 1]
7-623-159	Standard Value	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-160	Standard Value	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-163	Standard Value	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-164	Standard Value	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 500000 / 1]
7-623-165	Standard Value	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-623-166	Standard Value	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-169	Standard Value	#Feed Roller:Bypass	ENG	[0 to 99999999 / 1000000 / 1]
7-623-170	Standard Value	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 160000 / 1]
7-623-171	Standard Value	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-172	Standard Value	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-175	Standard Value	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 300000 / 1]
7-623-176	Standard Value	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 300000 / 1]
7-623-177	Standard Value	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 300000 / 1]
7-623-178	Standard Value	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 300000 / 1]
7-623-181	Standard Value	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 1000000 / 1]
7-623-182	Standard Value	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 1000000 / 1]
7-623-183	Standard Value	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-184	Standard Value	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-187	Standard Value	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 60000 / 1]
7-623-188	Standard Value	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 60000 / 1]
7-623-189	Standard Value	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 60000 / 1]
7-623-190	Standard Value	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 60000 / 1]
7-623-193	Standard Value	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 60000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-623-194	Standard Value	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / 60000 / 1]
7-623-195	Standard Value	Inserter:Tray2:Feed Belt	ENG	[0 to 99999999 / 60000 / 1]
7-623-196	Standard Value	Inserter:Tray2:Separate Roller	ENG	[0 to 99999999 / 60000 / 1]
7-623-199	Standard Value	#Interposer	ENG	[0 to 99999999 / 60000 / 1]
7-623-200	Standard Value	Feed Belt:Interposer	ENG	[0 to 99999999 / 60000 / 1]
7-623-201	Standard Value	Separation Roller:Interposer	ENG	[0 to 99999999 / 60000 / 1]
7-623-202	Standard Value	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 60000 / 1]
7-623-205	Standard Value	#ADF	ENG	[0 to 99999999 / 120000 / 1]
7-623-206	Standard Value	ADF Feed Belt	ENG	[0 to 99999999 / 120000 / 1]
7-623-207	Standard Value	ADF Separation Roller	ENG	[0 to 99999999 / 120000 / 1]
7-623-208	Standard Value	ADF Pick-up Roller	ENG	[0 to 99999999 / 120000 / 1]

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SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-624-003	Part Replacement Operation ON/OFF	#Development Unit:K	CTL*	[0 to 1 / 1 / 1]
7-624-004	Part Replacement Operation ON/OFF	Developer:K	CTL*	[0 to 1 / 1 / 1]
7-624-005	Part Replacement Operation ON/OFF	Developer Filter:K	CTL*	[0 to 1 / 1 / 1]
7-624-008	Part Replacement Operation ON/OFF	#Cleaning Unit:K	CTL*	[0 to 1 / 1 / 1]
7-624-009	Part Replacement Operation ON/OFF	Cleaning Blade:K	CTL*	[0 to 1 / 1 / 1]
7-624-010	Part Replacement Operation ON/OFF	Brush Roller:K	CTL*	[0 to 1 / 1 / 1]
7-624-011	Part Replacement Operation ON/OFF	Coating Bar:K	CTL*	[0 to 1 / 1 / 1]
7-624-012	Part Replacement Operation ON/OFF	Apply Blade:K	CTL*	[0 to 1 / 1 / 1]
7-624-013	Part Replacement Operation ON/OFF	Joint:Cleaning Unit:K	CTL*	[0 to 1 / 1 / 1]
7-624-014	Part Replacement Operation ON/OFF	Gear:Cleaning:K	CTL*	[0 to 1 / 1 / 1]
7-624-017	Part Replacement Operation ON/OFF	#Charge Roller Unit:K	CTL*	[0 to 1 / 1 / 1]
7-624-021	Part Replacement Operation ON/OFF	#Photo Conductor:K	CTL*	[0 to 1 / 1 / 1]
7-624-026	Part Replacement Operation ON/OFF	#Development Unit:C	CTL*	[0 to 1 / 1 / 1]
7-624-027	Part Replacement Operation ON/OFF	Developer:C	CTL*	[0 to 1 / 1 / 1]
7-624-028	Part Replacement Operation ON/OFF	Developer Filter:C	CTL*	[0 to 1 / 1 / 1]
7-624-031	Part Replacement Operation ON/OFF	#Cleaning Unit:C	CTL*	[0 to 1 / 1 / 1]
7-624-032	Part Replacement Operation ON/OFF	Cleaning Blade:C	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Brush Roller:C	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	Operation ON/OFF			
7-624-034	Part Replacement Operation ON/OFF	Coating Bar:C	CTL*	[0 to 1 / 1 / 1]
7-624-035	Part Replacement Operation ON/OFF	Apply Blade:C	CTL*	[0 to 1 / 1 / 1]
7-624-036	Part Replacement Operation ON/OFF	Joint:Cleaning Unit:C	CTL*	[0 to 1 / 1 / 1]
7-624-037	Part Replacement Operation ON/OFF	Gear:Cleaning:C	CTL*	[0 to 1 / 1 / 1]
7-624-040	Part Replacement Operation ON/OFF	#Charge Roller Unit:C	CTL*	[0 to 1 / 1 / 1]
7-624-044	Part Replacement Operation ON/OFF	#Photo Conductor:C	CTL*	[0 to 1 / 1 / 1]
7-624-049	Part Replacement Operation ON/OFF	#Development Unit:M	CTL*	[0 to 1 / 1 / 1]
7-624-050	Part Replacement Operation ON/OFF	Developer:M	CTL*	[0 to 1 / 1 / 1]
7-624-051	Part Replacement Operation ON/OFF	Developer Filter:M	CTL*	[0 to 1 / 1 / 1]
7-624-054	Part Replacement Operation ON/OFF	#Cleaning Unit:M	CTL*	[0 to 1 / 1 / 1]
7-624-055	Part Replacement Operation ON/OFF	Cleaning Blade:M	CTL*	[0 to 1 / 1 / 1]
7-624-056	Part Replacement Operation ON/OFF	Brush Roller:M	CTL*	[0 to 1 / 1 / 1]
7-624-057	Part Replacement Operation ON/OFF	Coating Bar:M	CTL*	[0 to 1 / 1 / 1]
7-624-058	Part Replacement Operation ON/OFF	Apply Blade:M	CTL*	[0 to 1 / 1 / 1]
7-624-059	Part Replacement Operation ON/OFF	Joint:Cleaning Unit:M	CTL*	[0 to 1 / 1 / 1]
7-624-060	Part Replacement Operation ON/OFF	Gear:Cleaning:M	CTL*	[0 to 1 / 1 / 1]
7-624-063	Part Replacement Operation ON/OFF	#Charge Roller Unit:M	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	#Photo Conductor:M	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067	Operation ON/OFF			
7-624-072	Part Replacement Operation ON/OFF	#Development Unit:Y	CTL*	[0 to 1 / 1 / 1]
7-624-073	Part Replacement Operation ON/OFF	Developer:Y	CTL*	[0 to 1 / 1 / 1]
7-624-074	Part Replacement Operation ON/OFF	Developer Filter:Y	CTL*	[0 to 1 / 1 / 1]
7-624-077	Part Replacement Operation ON/OFF	#Cleaning Unit:Y	CTL*	[0 to 1 / 1 / 1]
7-624-078	Part Replacement Operation ON/OFF	Cleaning Blade:Y	CTL*	[0 to 1 / 1 / 1]
7-624-079	Part Replacement Operation ON/OFF	Brush Roller:Y	CTL*	[0 to 1 / 1 / 1]
7-624-080	Part Replacement Operation ON/OFF	Coating Bar:Y	CTL*	[0 to 1 / 1 / 1]
7-624-081	Part Replacement Operation ON/OFF	Apply Blade:Y	CTL*	[0 to 1 / 1 / 1]
7-624-082	Part Replacement Operation ON/OFF	Joint:Cleaning Unit:Y	CTL*	[0 to 1 / 1 / 1]
7-624-083	Part Replacement Operation ON/OFF	Gear:Cleaning:Y	CTL*	[0 to 1 / 1 / 1]
7-624-086	Part Replacement Operation ON/OFF	#Charge Roller Unit:Y	CTL*	[0 to 1 / 1 / 1]
7-624-090	Part Replacement Operation ON/OFF	#Photo Conductor:Y	CTL*	[0 to 1 / 1 / 1]
7-624-093	Part Replacement Operation ON/OFF	#ITB Unit	CTL*	[0 to 1 / 1 / 1]
7-624-094	Part Replacement Operation ON/OFF	ITB (Intermedediate Transfer Belt)	CTL*	[0 to 1 / 1 / 1]
7-624-095	Part Replacement Operation ON/OFF	Transfer Roller:ITB:K	CTL*	[0 to 1 / 1 / 1]
7-624-096	Part Replacement Operation ON/OFF	Transfer Roller:ITB:C	CTL*	[0 to 1 / 1 / 1]
7-624-097	Part Replacement Operation ON/OFF	Transfer Roller:ITB:M	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Transfer Roller:ITB:Y	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
098	Operation ON/OFF			
7-624-099	Part Replacement Operation ON/OFF	Paper Transfer:Backup Roller:ITB	CTL*	[0 to 1 / 1 / 1]
7-624-102	Part Replacement Operation ON/OFF	#ITB Cleaning Unit	CTL*	[0 to 1 / 1 / 1]
7-624-103	Part Replacement Operation ON/OFF	ITB Cleaning Blade	CTL*	[0 to 1 / 1 / 1]
7-624-104	Part Replacement Operation ON/OFF	ITB Lubricant BrushRoller	CTL*	[0 to 1 / 1 / 1]
7-624-105	Part Replacement Operation ON/OFF	ITB Lubricant bar	CTL*	[0 to 1 / 1 / 1]
7-624-106	Part Replacement Operation ON/OFF	ITB Lubricant blade	CTL*	[0 to 1 / 1 / 1]
7-624-109	Part Replacement Operation ON/OFF	#PTR Unit	CTL*	[0 to 1 / 1 / 1]
7-624-110	Part Replacement Operation ON/OFF	PTR Cleaning Blade	CTL*	[0 to 1 / 1 / 1]
7-624-111	Part Replacement Operation ON/OFF	PTR (Paper Transfer Belt Unit)	CTL*	[0 to 1 / 1 / 1]
7-624-115	Part Replacement Operation ON/OFF	#Fusing Unit	CTL*	[0 to 1 / 1 / 1]
7-624-116	Part Replacement Operation ON/OFF	Fusing Belt	CTL*	[0 to 1 / 1 / 1]
7-624-117	Part Replacement Operation ON/OFF	Hot Roller	CTL*	[0 to 1 / 1 / 1]
7-624-118	Part Replacement Operation ON/OFF	Pressure Roller	CTL*	[0 to 1 / 1 / 1]
7-624-130	Part Replacement Operation ON/OFF	#Filter:Main	CTL*	[0 to 1 / 1 / 1]
7-624-131	Part Replacement Operation ON/OFF	Dust Filter:Large	CTL*	[0 to 1 / 1 / 1]
7-624-132	Part Replacement Operation ON/OFF	Dust Filter:Small	CTL*	[0 to 1 / 1 / 1]
7-624-133	Part Replacement Operation ON/OFF	Ozone Filter	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Deodorant Filter:Large	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
134	Operation ON/OFF			
7-624-135	Part Replacement Operation ON/OFF	Deodorant Filter:Small	CTL*	[0 to 1 / 1 / 1]
7-624-140	Part Replacement Operation ON/OFF	UFP Filter (Transfer-Fusing)	CTL*	[0 to 1 / 1 / 1]
7-624-141	Part Replacement Operation ON/OFF	UFP Filter (Pressure Roller)	CTL*	[0 to 1 / 1 / 1]
7-624-142	Part Replacement Operation ON/OFF	Waste Toner Bottle	CTL*	[0 to 1 / 1 / 1]
7-624-143	Part Replacement Operation ON/OFF	UFP Filter (Fusing-Exit)	CTL*	[0 to 1 / 1 / 1]
7-624-145	Part Replacement Operation ON/OFF	#Tray1 Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-146	Part Replacement Operation ON/OFF	Pick-up Roller:Tray1	CTL*	[0 to 1 / 1 / 1]
7-624-147	Part Replacement Operation ON/OFF	Feed Roller:Tray1	CTL*	[0 to 1 / 1 / 1]
7-624-148	Part Replacement Operation ON/OFF	Separation Roller:Tray1	CTL*	[0 to 1 / 1 / 1]
7-624-151	Part Replacement Operation ON/OFF	#Tray2 Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-152	Part Replacement Operation ON/OFF	Pick-up Roller:Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-153	Part Replacement Operation ON/OFF	Feed Roller:Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-154	Part Replacement Operation ON/OFF	Separation Roller:Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-157	Part Replacement Operation ON/OFF	#Tray3 Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-158	Part Replacement Operation ON/OFF	Pick-up Roller:Tray3	CTL*	[0 to 1 / 1 / 1]
7-624-159	Part Replacement Operation ON/OFF	Feed Roller:Tray3	CTL*	[0 to 1 / 1 / 1]
7-624-160	Part Replacement Operation ON/OFF	Separation Roller:Tray3	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	#Tray4 Rollers	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163	Operation ON/OFF			
7-624-164	Part Replacement Operation ON/OFF	Pick-up Roller:Tray4	CTL*	[0 to 1 / 1 / 1]
7-624-165	Part Replacement Operation ON/OFF	Feed Roller:Tray4	CTL*	[0 to 1 / 1 / 1]
7-624-166	Part Replacement Operation ON/OFF	Separation Roller:Tray4	CTL*	[0 to 1 / 1 / 1]
7-624-169	Part Replacement Operation ON/OFF	#By-pass Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-170	Part Replacement Operation ON/OFF	Pick-up Roller:By-pass	CTL*	[0 to 1 / 1 / 1]
7-624-171	Part Replacement Operation ON/OFF	Feed Roller:By-pass	CTL*	[0 to 1 / 1 / 1]
7-624-172	Part Replacement Operation ON/OFF	Separation Roller:By-pass	CTL*	[0 to 1 / 1 / 1]
7-624-175	Part Replacement Operation ON/OFF	#A3_DLT LCT Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-176	Part Replacement Operation ON/OFF	Pick-up Roller:A3_DLT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-177	Part Replacement Operation ON/OFF	Feed Roller:A3_DLT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-178	Part Replacement Operation ON/OFF	Separation Roller:A3_DLT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-181	Part Replacement Operation ON/OFF	#A4_LT LCT Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-182	Part Replacement Operation ON/OFF	Pick-up Roller:A4_LT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-183	Part Replacement Operation ON/OFF	Feed Roller:A4_LT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-184	Part Replacement Operation ON/OFF	Separation Roller:A4_LT LCT	CTL*	[0 to 1 / 1 / 1]
7-624-187	Part Replacement Operation ON/OFF	#Inserter Tray1 Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-188	Part Replacement Operation ON/OFF	Pick-up Roller:Inserter Tray1	CTL*	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Feed Belt:Inserter Tray1	CTL*	[0 to 1 / 1 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
189	Operation ON/OFF			
7-624-190	Part Replacement Operation ON/OFF	Separation Roller:Inserter Tray1	CTL*	[0 to 1 / 1 / 1]
7-624-193	Part Replacement Operation ON/OFF	#Inserter Tray2 Rollers	CTL*	[0 to 1 / 1 / 1]
7-624-194	Part Replacement Operation ON/OFF	Pick-up Roller:Inserter Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-195	Part Replacement Operation ON/OFF	Feed Belt:Inserter Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-196	Part Replacement Operation ON/OFF	Separation Roller:Inserter Tray2	CTL*	[0 to 1 / 1 / 1]
7-624-199	Part Replacement Operation ON/OFF	#Interposer	CTL*	[0 to 1 / 1 / 1]
7-624-200	Part Replacement Operation ON/OFF	Feed Belt:Interposer	CTL*	[0 to 1 / 1 / 1]
7-624-201	Part Replacement Operation ON/OFF	Separation Roller:Interposer	CTL*	[0 to 1 / 1 / 1]
7-624-202	Part Replacement Operation ON/OFF	Pick-up Roller:Interposer	CTL*	[0 to 1 / 1 / 1]
7-624-205	Part Replacement Operation ON/OFF	#ADF	CTL*	[0 to 1 / 1 / 1]
7-624-206	Part Replacement Operation ON/OFF	Feed Belt:ADF	CTL*	[0 to 1 / 1 / 1]
7-624-207	Part Replacement Operation ON/OFF	Separation Roller:ADF	CTL*	[0 to 1 / 1 / 1]
7-624-208	Part Replacement Operation ON/OFF	Pick-up Roller:ADF	CTL*	[0 to 1 / 1 / 1]
7-625-003	Pg Count History:Latest 1	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-004	Pg Count History:Latest 1	Development: Bk	ENG	[0 to 99999999 / 0 / 1]
7-625-005	Pg Count History:Latest 1	Development Filter:K	ENG	[0 to 99999999 / 0 / 1]
7-625-008	Pg Count History:Latest 1	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
7-625-010	Pg Count History:Latest 1	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-011	Pg Count History:Latest 1	Lubricant Bar: K	ENG	[0 to 99999999 / 0 / 1]
7-625-012	Pg Count History:Latest 1	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-013	Pg Count History:Latest 1	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1]
7-625-014	Pg Count History:Latest 1	Gears:K	ENG	[0 to 99999999 / 0 / 1]
7-625-017	Pg Count History:Latest 1	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-021	Pg Count History:Latest 1	#PCU:K	ENG	[0 to 99999999 / 0 / 1]
7-625-026	Pg Count History:Latest 1	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-027	Pg Count History:Latest 1	Development: C	ENG	[0 to 99999999 / 0 / 1]
7-625-028	Pg Count History:Latest 1	Development Filter:C	ENG	[0 to 99999999 / 0 / 1]
7-625-031	Pg Count History:Latest 1	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1]
7-625-032	Pg Count History:Latest 1	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-033	Pg Count History:Latest 1	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-034	Pg Count History:Latest 1	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1]
7-625-035	Pg Count History:Latest 1	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-036	Pg Count History:Latest 1	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 / 1]
7-625-037	Pg Count History:Latest 1	Gears:C	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				
7-625-044	Pg Count History:Latest 1	#PCU:C	ENG	[0 to 99999999 / 0 / 1]
7-625-049	Pg Count History:Latest 1	#M_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-050	Pg Count History:Latest 1	Development: M	ENG	[0 to 99999999 / 0 / 1]
7-625-051	Pg Count History:Latest 1	Development Filter:M	ENG	[0 to 99999999 / 0 / 1]
7-625-054	Pg Count History:Latest 1	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1]
7-625-055	Pg Count History:Latest 1	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-056	Pg Count History:Latest 1	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-057	Pg Count History:Latest 1	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1]
7-625-058	Pg Count History:Latest 1	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-059	Pg Count History:Latest 1	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1]
7-625-060	Pg Count History:Latest 1	Gears:M	ENG	[0 to 99999999 / 0 / 1]
7-625-063	Pg Count History:Latest 1	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-067	Pg Count History:Latest 1	#PCU:M	ENG	[0 to 99999999 / 0 / 1]
7-625-072	Pg Count History:Latest 1	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-073	Pg Count History:Latest 1	Development: Y	ENG	[0 to 99999999 / 0 / 1]
7-625-074	Pg Count History:Latest 1	Development Filter:Y	ENG	[0 to 99999999 / 0 / 1]
7-625-077	Pg Count History:Latest 1	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078				
7-625-079	Pg Count History:Latest 1	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-080	Pg Count History:Latest 1	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 / 1]
7-625-081	Pg Count History:Latest 1	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-082	Pg Count History:Latest 1	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1]
7-625-083	Pg Count History:Latest 1	Gears:Y	ENG	[0 to 99999999 / 0 / 1]
7-625-086	Pg Count History:Latest 1	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-090	Pg Count History:Latest 1	#PCU:Y	ENG	[0 to 99999999 / 0 / 1]
7-625-093	Pg Count History:Latest 1	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-094	Pg Count History:Latest 1	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-625-095	Pg Count History:Latest 1	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1]
7-625-096	Pg Count History:Latest 1	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1]
7-625-097	Pg Count History:Latest 1	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1]
7-625-098	Pg Count History:Latest 1	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1]
7-625-099	Pg Count History:Latest 1	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-102	Pg Count History:Latest 1	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-103	Pg Count History:Latest 1	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-104	Pg Count History:Latest 1	Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105				
7-625-106	Pg Count History:Latest 1	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-109	Pg Count History:Latest 1	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-110	Pg Count History:Latest 1	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-111	Pg Count History:Latest 1	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-625-114	Pg Count History:Latest 1	#Fusing	ENG	[0 to 99999999 / 0 / 1]
7-625-115	Pg Count History:Latest 1	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-116	Pg Count History:Latest 1	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-117	Pg Count History:Latest 1	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-118	Pg Count History:Latest 1	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-119	Pg Count History:Latest 1	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1]
7-625-126	Pg Count History:Latest 1	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-127	Pg Count History:Latest 1	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1]
7-625-130	Pg Count History:Latest 1	#Main Unit Filters	ENG	[0 to 99999999 / 0 / 1]
7-625-131	Pg Count History:Latest 1	Dust Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-625-132	Pg Count History:Latest 1	Dust Filter:Small	ENG	[0 to 99999999 / 0 / 1]
7-625-133	Pg Count History:Latest 1	Ozone Filter	ENG	[0 to 99999999 / 0 / 1]
7-625-134	Pg Count History:Latest 1	Deodorant Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Deodorant Filter:Small	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
135				
7-625-140	Pg Count History:Latest 1	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 0 / 1]
7-625-141	Pg Count History:Latest 1	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-143	Pg Count History:Latest 1	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 0 / 1]
7-625-145	Pg Count History:Latest 1	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-146	Pg Count History:Latest 1	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-147	Pg Count History:Latest 1	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-148	Pg Count History:Latest 1	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-151	Pg Count History:Latest 1	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-152	Pg Count History:Latest 1	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-153	Pg Count History:Latest 1	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-154	Pg Count History:Latest 1	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-157	Pg Count History:Latest 1	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-158	Pg Count History:Latest 1	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-625-159	Pg Count History:Latest 1	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-160	Pg Count History:Latest 1	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-163	Pg Count History:Latest 1	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-164	Pg Count History:Latest 1	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Feed Roller:Tray 4:Feeding	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165		Roller		
7-625-166	Pg Count History:Latest 1	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-169	Pg Count History:Latest 1	#Feed Roller:Bypass	ENG	[0 to 99999999 / 0 / 1]
7-625-170	Pg Count History:Latest 1	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-625-171	Pg Count History:Latest 1	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-172	Pg Count History:Latest 1	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-175	Pg Count History:Latest 1	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 0 / 1]
7-625-176	Pg Count History:Latest 1	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-625-177	Pg Count History:Latest 1	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-178	Pg Count History:Latest 1	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-181	Pg Count History:Latest 1	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 0 / 1]
7-625-182	Pg Count History:Latest 1	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-625-183	Pg Count History:Latest 1	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-184	Pg Count History:Latest 1	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-187	Pg Count History:Latest 1	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 0 / 1]
7-625-188	Pg Count History:Latest 1	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-625-189	Pg Count History:Latest 1	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-190	Pg Count History:Latest 1	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
193				
7-625-194	Pg Count History:Latest 1	Inserrer:Tray2:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-625-195	Pg Count History:Latest 1	Inserrer:Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-196	Pg Count History:Latest 1	Inserrer:Tray2:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-199	Pg Count History:Latest 1	#Interposer	ENG	[0 to 99999999 / 0 / 1]
7-625-200	Pg Count History:Latest 1	Feed Belt:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-625-201	Pg Count History:Latest 1	Separation Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-625-202	Pg Count History:Latest 1	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-625-205	Pg Count History:Latest 1	#ADF	ENG	[0 to 99999999 / 0 / 1]
7-625-206	Pg Count History:Latest 1	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-207	Pg Count History:Latest 1	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-208	Pg Count History:Latest 1	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-003	Pg Count History:Latest 2	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-004	Pg Count History:Latest 2	Development: Bk	ENG	[0 to 99999999 / 0 / 1]
7-626-005	Pg Count History:Latest 2	Development Filter:K	ENG	[0 to 99999999 / 0 / 1]
7-626-008	Pg Count History:Latest 2	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 / 1]
7-626-009	Pg Count History:Latest 2	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-010	Pg Count History:Latest 2	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Lubricant Bar: K	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
7-626-012	Pg Count History:Latest 2	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-013	Pg Count History:Latest 2	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1]
7-626-014	Pg Count History:Latest 2	Gears:K	ENG	[0 to 99999999 / 0 / 1]
7-626-017	Pg Count History:Latest 2	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-021	Pg Count History:Latest 2	#PCU:K	ENG	[0 to 99999999 / 0 / 1]
7-626-026	Pg Count History:Latest 2	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-027	Pg Count History:Latest 2	Development: C	ENG	[0 to 99999999 / 0 / 1]
7-626-028	Pg Count History:Latest 2	Development Filter:C	ENG	[0 to 99999999 / 0 / 1]
7-626-031	Pg Count History:Latest 2	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1]
7-626-032	Pg Count History:Latest 2	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-033	Pg Count History:Latest 2	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-034	Pg Count History:Latest 2	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1]
7-626-035	Pg Count History:Latest 2	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-036	Pg Count History:Latest 2	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 / 1]
7-626-037	Pg Count History:Latest 2	Gears:C	ENG	[0 to 99999999 / 0 / 1]
7-626-040	Pg Count History:Latest 2	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-044	Pg Count History:Latest 2	#PCU:C	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	#M_Development Unit	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				
7-626-050	Pg Count History:Latest 2	Development: M	ENG	[0 to 99999999 / 0 / 1]
7-626-051	Pg Count History:Latest 2	Development Filter:M	ENG	[0 to 99999999 / 0 / 1]
7-626-054	Pg Count History:Latest 2	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1]
7-626-055	Pg Count History:Latest 2	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-056	Pg Count History:Latest 2	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-057	Pg Count History:Latest 2	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1]
7-626-058	Pg Count History:Latest 2	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-059	Pg Count History:Latest 2	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1]
7-626-060	Pg Count History:Latest 2	Gears:M	ENG	[0 to 99999999 / 0 / 1]
7-626-063	Pg Count History:Latest 2	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-067	Pg Count History:Latest 2	#PCU:M	ENG	[0 to 99999999 / 0 / 1]
7-626-072	Pg Count History:Latest 2	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-073	Pg Count History:Latest 2	Development: Y	ENG	[0 to 99999999 / 0 / 1]
7-626-074	Pg Count History:Latest 2	Development Filter:Y	ENG	[0 to 99999999 / 0 / 1]
7-626-077	Pg Count History:Latest 2	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 / 1]
7-626-078	Pg Count History:Latest 2	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-079	Pg Count History:Latest 2	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080				
7-626-081	Pg Count History:Latest 2	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-082	Pg Count History:Latest 2	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1]
7-626-083	Pg Count History:Latest 2	Gears:Y	ENG	[0 to 99999999 / 0 / 1]
7-626-086	Pg Count History:Latest 2	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-090	Pg Count History:Latest 2	#PCU:Y	ENG	[0 to 99999999 / 0 / 1]
7-626-093	Pg Count History:Latest 2	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-094	Pg Count History:Latest 2	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-626-095	Pg Count History:Latest 2	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1]
7-626-096	Pg Count History:Latest 2	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1]
7-626-097	Pg Count History:Latest 2	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1]
7-626-098	Pg Count History:Latest 2	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1]
7-626-099	Pg Count History:Latest 2	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-102	Pg Count History:Latest 2	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-103	Pg Count History:Latest 2	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-104	Pg Count History:Latest 2	Lubricant Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-105	Pg Count History:Latest 2	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1]
7-626-106	Pg Count History:Latest 2	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
109				
7-626-110	Pg Count History:Latest 2	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-111	Pg Count History:Latest 2	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-626-114	Pg Count History:Latest 2	#Fusing	ENG	[0 to 99999999 / 0 / 1]
7-626-115	Pg Count History:Latest 2	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-116	Pg Count History:Latest 2	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-117	Pg Count History:Latest 2	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-118	Pg Count History:Latest 2	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-119	Pg Count History:Latest 2	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1]
7-626-126	Pg Count History:Latest 2	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-127	Pg Count History:Latest 2	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1]
7-626-130	Pg Count History:Latest 2	#Main Unit Filters	ENG	[0 to 99999999 / 0 / 1]
7-626-131	Pg Count History:Latest 2	Dust Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-626-132	Pg Count History:Latest 2	Dust Filter:Small	ENG	[0 to 99999999 / 0 / 1]
7-626-133	Pg Count History:Latest 2	Ozone Filter	ENG	[0 to 99999999 / 0 / 1]
7-626-134	Pg Count History:Latest 2	Deodorant Filter:Large	ENG	[0 to 99999999 / 0 / 1]
7-626-135	Pg Count History:Latest 2	Deodorant Filter:Small	ENG	[0 to 99999999 / 0 / 1]
7-626-140	Pg Count History:Latest 2	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
141				
7-626-143	Pg Count History:Latest 2	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 0 / 1]
7-626-145	Pg Count History:Latest 2	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-146	Pg Count History:Latest 2	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-147	Pg Count History:Latest 2	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-148	Pg Count History:Latest 2	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-151	Pg Count History:Latest 2	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-152	Pg Count History:Latest 2	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-153	Pg Count History:Latest 2	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-154	Pg Count History:Latest 2	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-157	Pg Count History:Latest 2	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-158	Pg Count History:Latest 2	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-626-159	Pg Count History:Latest 2	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-160	Pg Count History:Latest 2	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-163	Pg Count History:Latest 2	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-164	Pg Count History:Latest 2	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-165	Pg Count History:Latest 2	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-166	Pg Count History:Latest 2	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	#Feed Roller:Bypass	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
169				
7-626-170	Pg Count History:Latest 2	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-626-171	Pg Count History:Latest 2	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-172	Pg Count History:Latest 2	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-175	Pg Count History:Latest 2	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 0 / 1]
7-626-176	Pg Count History:Latest 2	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-626-177	Pg Count History:Latest 2	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-178	Pg Count History:Latest 2	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-181	Pg Count History:Latest 2	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 0 / 1]
7-626-182	Pg Count History:Latest 2	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-626-183	Pg Count History:Latest 2	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-184	Pg Count History:Latest 2	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-187	Pg Count History:Latest 2	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 0 / 1]
7-626-188	Pg Count History:Latest 2	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-626-189	Pg Count History:Latest 2	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-190	Pg Count History:Latest 2	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-193	Pg Count History:Latest 2	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 0 / 1]
7-626-194	Pg Count History:Latest 2	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Inserter:Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
195				
7-626-196	Pg Count History:Latest 2	Inserter:Tray2:Separate Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-199	Pg Count History:Latest 2	#Interposer	ENG	[0 to 99999999 / 0 / 1]
7-626-200	Pg Count History:Latest 2	Feed Belt:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-626-201	Pg Count History:Latest 2	Separation Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-626-202	Pg Count History:Latest 2	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 0 / 1]
7-626-205	Pg Count History:Latest 2	#ADF	ENG	[0 to 99999999 / 0 / 1]
7-626-206	Pg Count History:Latest 2	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-207	Pg Count History:Latest 2	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-208	Pg Count History:Latest 2	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-628-002	Reset	Reset All Counts	ENG	[0 to 1 / 0 / 1]
7-710-001	Sheet Count Printed: Disp	K	ENG*	[0 to 4000000000 / 0 / 1page]
7-710-002	Sheet Count Printed: Disp	C	ENG*	[0 to 4000000000 / 0 / 1page]
7-710-003	Sheet Count Printed: Disp	M	ENG*	[0 to 4000000000 / 0 / 1page]
7-710-004	Sheet Count Printed: Disp	Y	ENG*	[0 to 4000000000 / 0 / 1page]
7-720-001	Avg. Coverage: Imaging: Disp	K	ENG*	[0 to 100 / 0 / 0.01%]
7-720-002	Avg. Coverage: Imaging: Disp	C	ENG*	[0 to 100 / 0 / 0.01%]
7-720-003	Avg. Coverage: Imaging: Disp	M	ENG*	[0 to 100 / 0 / 0.01%]
7-720-	Avg. Coverage: Imaging:	Y	ENG*	[0 to 100 / 0 / 0.01%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Disp			
7-801-002	ROM No.	Engine	ENG	[0 to 0 / 0 / 0]
7-801-005	ROM No.	ADF	ENG	[0 to 0 / 0 / 0]
7-801-007	ROM No.	Finisher1	ENG	[0 to 0 / 0 / 0]
7-801-008	ROM No.	Finisher2	ENG	[0 to 0 / 0 / 0]
7-801-010	ROM No.	LCT	ENG	[0 to 0 / 0 / 0]
7-801-011	ROM No.	MailBox	ENG	[0 to 0 / 0 / 0]
7-801-020	ROM No.	Insenter	ENG	[0 to 0 / 0 / 0]
7-801-025	ROM No.	Finisher	ENG	[0 to 0 / 0 / 0]
7-801-029	ROM No.	R-Binder(Main)	ENG	[0 to 0 / 0 / 0]
7-801-030	ROM No.	R-Binder(Sub)	ENG	[0 to 0 / 0 / 0]
7-801-036	ROM No.	Stacker	ENG	[0 to 0 / 0 / 0]
7-801-039	ROM No.	Buffer Pass Unit	ENG	[0 to 0 / 0 / 0]
7-801-042	ROM No.	TDCU	ENG	[0 to 0 / 0 / 0]
7-801-102	ROM Ver	Engine	ENG	[0 to 0 / 0 / 0]
7-801-105	ROM Ver	ADF	ENG	[0 to 0 / 0 / 0]
7-801-107	ROM Ver	Finisher1	ENG	[0 to 0 / 0 / 0]
7-801-108	ROM Ver	Finisher2	ENG	[0 to 0 / 0 / 0]
7-801-	ROM Ver	LCT	ENG	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
110				
7-801-111	Firmware Version	MailBox	ENG	[0 to 0 / 0 / 0]
7-801-120	ROM Ver	Inserter	ENG	[0 to 0 / 0 / 0]
7-801-125	ROM Ver	Finisher	ENG	[0 to 0 / 0 / 0]
7-801-129	ROM Ver	R-Binder(Main)	ENG	[0 to 0 / 0 / 0]
7-801-130	ROM Ver	R-Binder(Sub)	ENG	[0 to 0 / 0 / 0]
7-801-136	ROM Ver	Stacker	ENG	[0 to 0 / 0 / 0]
7-801-139	ROM Ver	Buffer Pass Unit	ENG	[0 to 0 / 0 / 0]
7-801-142	ROM Ver	TDCU	ENG	[0 to 0 / 0 / 0]
7-801-255	ROM No./ Firmware Version		CTL	[0 to 0 / 0 / 0]
7-803-001	PM Counter Display	Paper	CTL*	[0 to 9999999 / 0 / 0]
7-804-001	PM Counter Reset	Paper	CTL	[0 to 0 / 0 / 0]
7-807-001	SC/Jam Counter Reset		CTL*	[0 to 0 / 0 / 0]
7-826-001	MF Error Counter	Error Total	CTL*	[0 to 9999999 / 0 / 0]
7-826-002	MF Error Counter	Error Staple	CTL*	[0 to 9999999 / 0 / 0]
7-827-001	MF Error Counter Clear		CTL	[0 to 0 / 0 / 0]
7-832-001	Self-Diagnose Result Display		CTL	[0 to 0 / 0 / 0]
7-835-001	ACC Counter	Copy ACC	CTL*	[0 to 9999999 / 0 / 1]
7-835-	ACC Counter	Printer ACC	CTL*	[0 to 9999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
7-836-001	Total Memory Size		CTL	[0 to 0xffffffff / 0 / 0MB]
7-840-001	ServiceSP Entry Code Chg Hist	Change Time :Latest	CTL*	[0 to 0 / 0 / 0]
7-840-002	ServiceSP Entry Code Chg Hist	Change Time :Last1	CTL*	[0 to 0 / 0 / 0]
7-840-101	ServiceSP Entry Code Chg Hist	Initialize Time :Latest	CTL*	[0 to 0 / 0 / 0]
7-840-102	ServiceSP Entry Code Chg Hist	Initialize Time :Last1	CTL*	[0 to 0 / 0 / 0]
7-852-001	DF Glass Dust Check	Dust Detection Counter	ENG*	[0 to 65535 / 0 / 1]
7-852-002	DF Glass Dust Check	Dust Counter Clear Counter	ENG*	[0 to 65535 / 0 / 1]
7-852-003	DF Glass Dust Check	Dust Detection Counter: Back	ENG*	[0 to 65535 / 0 / 1]
7-855-001	Coverage Range	Coverage Range 1	CTL*	[1 to 200 / 5 / 1%]
7-855-002	Coverage Range	Coverage Range 2	CTL*	[1 to 200 / 20 / 1%]
7-901-001	Assert Info.	File Name	CTL*	[0 to 0 / 0 / 0]
7-901-002	Assert Info.	Number of Lines	CTL*	[0 to 0 / 0 / 0]
7-901-003	Assert Info.	Location	CTL*	[0 to 0 / 0 / 0]
7-910-001	ROM No	System/Copy	CTL	[0 to 0 / 0 / 0]
7-910-002	ROM No	Engine	CTL	[0 to 0 / 0 / 0]
7-910-003	ROM No	Lcdc	CTL	[0 to 0 / 0 / 0]
7-910-005	ROM No	ADF	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	Finisher1	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
7-910-008	ROM No	Finisher2	CTL	[0 to 0 / 0 / 0]
7-910-010	ROM No	LCT	CTL	[0 to 0 / 0 / 0]
7-910-011	ROM No	Mail Box	CTL	[0 to 0 / 0 / 0]
7-910-012	ROM No	FCU	CTL	[0 to 0 / 0 / 0]
7-910-018	ROM No	NetworkSupport	CTL	[0 to 0 / 0 / 0]
7-910-020	ROM No	Cover Interposer	CTL	[0 to 0 / 0 / 0]
7-910-022	ROM No	BIOS	CTL	[0 to 0 / 0 / 0]
7-910-023	ROM No	HDD Format Option	CTL	[0 to 0 / 0 / 0]
7-910-025	ROM No	Folding Unit	CTL	[0 to 0 / 0 / 0]
7-910-029	ROM No	RB PCB 1	CTL	[0 to 0 / 0 / 0]
7-910-030	ROM No	RB PCB 2	CTL	[0 to 0 / 0 / 0]
7-910-036	ROM No	Stacker 1	CTL	[0 to 0 / 0 / 0]
7-910-039	ROM No	Buffer Pass Unit	CTL	[0 to 0 / 0 / 0]
7-910-042	ROM No	TDCU	CTL	[0 to 0 / 0 / 0]
7-910-150	ROM No	RPCS	CTL	[0 to 0 / 0 / 0]
7-910-151	ROM No	PS	CTL	[0 to 0 / 0 / 0]
7-910-152	ROM No	RPDL	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	R55	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
156				
7-910-157	ROM No	RTIFF	CTL	[0 to 0 / 0 / 0]
7-910-158	ROM No	PCL	CTL	[0 to 0 / 0 / 0]
7-910-159	ROM No	PCLXL	CTL	[0 to 0 / 0 / 0]
7-910-160	ROM No	MSIS	CTL	[0 to 0 / 0 / 0]
7-910-162	ROM No	PDF	CTL	[0 to 0 / 0 / 0]
7-910-164	ROM No	PictBridge	CTL	[0 to 0 / 0 / 0]
7-910-165	ROM No	PJL	CTL	[0 to 0 / 0 / 0]
7-910-166	ROM No	IPDS	CTL	[0 to 0 / 0 / 0]
7-910-167	ROM No	MediaPrint:JPEG	CTL	[0 to 0 / 0 / 0]
7-910-168	ROM No	MediaPrint:TIFF	CTL	[0 to 0 / 0 / 0]
7-910-169	ROM No	XPS	CTL	[0 to 0 / 0 / 0]
7-910-180	ROM No	FONT	CTL	[0 to 0 / 0 / 0]
7-910-181	ROM No	FONT1	CTL	[0 to 0 / 0 / 0]
7-910-182	ROM No	FONT2	CTL	[0 to 0 / 0 / 0]
7-910-183	ROM No	FONT3	CTL	[0 to 0 / 0 / 0]
7-910-184	ROM No	FONT4	CTL	[0 to 0 / 0 / 0]
7-910-185	ROM No	FONT5	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	Factory	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
200				
7-910-201	ROM No	Copy	CTL	[0 to 0 / 0 / 0]
7-910-202	ROM No	NetworkDocBox	CTL	[0 to 0 / 0 / 0]
7-910-203	ROM No	Fax	CTL	[0 to 0 / 0 / 0]
7-910-204	ROM No	Printer	CTL	[0 to 0 / 0 / 0]
7-910-205	ROM No	Scanner	CTL	[0 to 0 / 0 / 0]
7-910-206	ROM No	RFax	CTL	[0 to 0 / 0 / 0]
7-910-210	ROM No	MIB	CTL	[0 to 0 / 0 / 0]
7-910-211	ROM No	Websupport	CTL	[0 to 0 / 0 / 0]
7-910-212	ROM No	WebUapl	CTL	[0 to 0 / 0 / 0]
7-910-213	ROM No	SDK1	CTL	[0 to 0 / 0 / 0]
7-910-214	ROM No	SDK2	CTL	[0 to 0 / 0 / 0]
7-910-215	ROM No	SDK3	CTL	[0 to 0 / 0 / 0]
7-910-250	ROM No	Package	CTL	[0 to 0 / 0 / 0]
7-911-001	Firmware Version	System/Copy	CTL	[0 to 0 / 0 / 0]
7-911-002	Firmware Version	Engine	CTL	[0 to 0 / 0 / 0]
7-911-003	Firmware Version	Lcdc	CTL	[0 to 0 / 0 / 0]
7-911-005	Firmware Version	ADF	CTL	[0 to 0 / 0 / 0]
7-911-	Firmware Version	Finisher1	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
7-911-008	Firmware Version	Finisher2	CTL	[0 to 0 / 0 / 0]
7-911-010	Firmware Version	LCT	CTL	[0 to 0 / 0 / 0]
7-911-011	Firmware Version	Mail Box	CTL	[0 to 0 / 0 / 0]
7-911-012	Firmware Version	FCU	CTL	[0 to 0 / 0 / 0]
7-911-018	Firmware Version	NetworkSupport	CTL	[0 to 0 / 0 / 0]
7-911-020	Firmware Version	Cover Interposer	CTL	[0 to 0 / 0 / 0]
7-911-022	Firmware Version	BIOS	CTL	[0 to 0 / 0 / 0]
7-911-023	Firmware Version	HDD Format Option	CTL	[0 to 0 / 0 / 0]
7-911-025	Firmware Version	Folding Unit	CTL	[0 to 0 / 0 / 0]
7-911-029	Firmware Version	RB PCB 1	CTL	[0 to 0 / 0 / 0]
7-911-030	Firmware Version	RB PCB 2	CTL	[0 to 0 / 0 / 0]
7-911-036	Firmware Version	Stacker 1	CTL	[0 to 0 / 0 / 0]
7-911-039	Firmware Version	Buffer Pass Unit	CTL	[0 to 0 / 0 / 0]
7-911-042	Firmware Version	TDCU	CTL	[0 to 0 / 0 / 0]
7-911-150	Firmware Version	RPCS	CTL	[0 to 0 / 0 / 0]
7-911-151	Firmware Version	PS	CTL	[0 to 0 / 0 / 0]
7-911-152	Firmware Version	RPDL	CTL	[0 to 0 / 0 / 0]
7-911-	Firmware Version	R55	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
156				
7-911-157	Firmware Version	RTIFF	CTL	[0 to 0 / 0 / 0]
7-911-158	Firmware Version	PCL	CTL	[0 to 0 / 0 / 0]
7-911-159	Firmware Version	PCLXL	CTL	[0 to 0 / 0 / 0]
7-911-160	Firmware Version	MSIS	CTL	[0 to 0 / 0 / 0]
7-911-162	Firmware Version	PDF	CTL	[0 to 0 / 0 / 0]
7-911-164	Firmware Version	PictBridge	CTL	[0 to 0 / 0 / 0]
7-911-165	Firmware Version	PJL	CTL	[0 to 0 / 0 / 0]
7-911-166	Firmware Version	IPDS	CTL	[0 to 0 / 0 / 0]
7-911-167	Firmware Version	MediaPrint:JPEG	CTL	[0 to 0 / 0 / 0]
7-911-168	Firmware Version	MediaPrint:TIFF	CTL	[0 to 0 / 0 / 0]
7-911-169	Firmware Version	XPS	CTL	[0 to 0 / 0 / 0]
7-911-180	Firmware Version	FONT	CTL	[0 to 0 / 0 / 0]
7-911-181	Firmware Version	FONT1	CTL	[0 to 0 / 0 / 0]
7-911-182	Firmware Version	FONT2	CTL	[0 to 0 / 0 / 0]
7-911-183	Firmware Version	FONT3	CTL	[0 to 0 / 0 / 0]
7-911-184	Firmware Version	FONT4	CTL	[0 to 0 / 0 / 0]
7-911-185	Firmware Version	FONT5	CTL	[0 to 0 / 0 / 0]
7-911-	Firmware Version	Factory	CTL	[0 to 0 / 0 / 0]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
200				
7-911-201	Firmware Version	Copy	CTL	[0 to 0 / 0 / 0]
7-911-202	Firmware Version	NetworkDocBox	CTL	[0 to 0 / 0 / 0]
7-911-203	Firmware Version	Fax	CTL	[0 to 0 / 0 / 0]
7-911-204	Firmware Version	Printer	CTL	[0 to 0 / 0 / 0]
7-911-205	Firmware Version	Scanner	CTL	[0 to 0 / 0 / 0]
7-911-206	Firmware Version	RFax	CTL	[0 to 0 / 0 / 0]
7-911-210	Firmware Version	MIB	CTL	[0 to 0 / 0 / 0]
7-911-211	Firmware Version	Websupport	CTL	[0 to 0 / 0 / 0]
7-911-212	Firmware Version	WebUapl	CTL	[0 to 0 / 0 / 0]
7-911-213	Firmware Version	SDK1	CTL	[0 to 0 / 0 / 0]
7-911-214	Firmware Version	SDK2	CTL	[0 to 0 / 0 / 0]
7-911-215	Firmware Version	SDK3	CTL	[0 to 0 / 0 / 0]
7-911-250	Firmware Version	Package	CTL	[0 to 0 / 0 / 0]
7-931-001	Toner Bottle Bk	Machine Serial ID	ENG*	[0 to 255 / 0 / 1]
7-931-002	Toner Bottle Bk	Cartridge Ver	ENG*	[0 to 255 / 0 / 1]
7-931-003	Toner Bottle Bk	Brand ID	ENG*	[0 to 255 / 0 / 1]
7-931-004	Toner Bottle Bk	Area ID	ENG*	[0 to 255 / 0 / 1]
7-931-	Toner Bottle Bk	Product ID	ENG*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
7-931-006	Toner Bottle Bk	Color ID	ENG*	[0 to 255 / 0 / 1]
7-931-007	Toner Bottle Bk	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-931-008	Toner Bottle Bk	New Product Information	ENG*	[0 to 255 / 0 / 1]
7-931-009	Toner Bottle Bk	Recycle Counter	ENG*	[0 to 255 / 0 / 1]
7-931-010	Toner Bottle Bk	Date	ENG*	[0 to 1 / 0 / 1]
7-931-011	Toner Bottle Bk	SerialNo.	ENG*	[0 to 1 / 0 / 1]
7-931-012	Toner Bottle Bk	Toner Remaining	ENG*	[0 to 100 / 100 / 1%]
7-931-013	Toner Bottle Bk	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-931-014	Toner Bottle Bk	End History	ENG*	[0 to 1 / 0 / 1]
7-931-015	Toner Bottle Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-931-016	Toner Bottle Bk	Attachment: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-931-017	Toner Bottle Bk	Attachment: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-931-018	Toner Bottle Bk	End: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-931-019	Toner Bottle Bk	End: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-931-020	Toner Bottle Bk	Attachment Date	ENG*	[0 to 1 / 0 / 1]
7-931-021	Toner Bottle Bk	End Date	ENG*	[0 to 1 / 0 / 1]
7-932-001	Toner Bottle M	Machine Serial ID	ENG*	[0 to 255 / 0 / 1]
7-932-	Toner Bottle M	Cartridge Ver	ENG*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
7-932-003	Toner Bottle M	Brand ID	ENG*	[0 to 255 / 0 / 1]
7-932-004	Toner Bottle M	Area ID	ENG*	[0 to 255 / 0 / 1]
7-932-005	Toner Bottle M	Product ID	ENG*	[0 to 255 / 0 / 1]
7-932-006	Toner Bottle M	Color ID	ENG*	[0 to 255 / 0 / 1]
7-932-007	Toner Bottle M	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-932-008	Toner Bottle M	New Product Information	ENG*	[0 to 255 / 0 / 1]
7-932-009	Toner Bottle M	Recycle Counter	ENG*	[0 to 255 / 0 / 1]
7-932-010	Toner Bottle M	Date	ENG*	[0 to 1 / 0 / 1]
7-932-011	Toner Bottle M	SerialNo.	ENG*	[0 to 1 / 0 / 1]
7-932-012	Toner Bottle M	Toner Remaining	ENG*	[0 to 100 / 100 / 1%]
7-932-013	Toner Bottle M	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-932-014	Toner Bottle M	End History	ENG*	[0 to 1 / 0 / 1]
7-932-015	Toner Bottle M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-932-016	Toner Bottle M	Attachment: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-017	Toner Bottle M	Attachment: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-018	Toner Bottle M	End: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-019	Toner Bottle M	End: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-	Toner Bottle M	Attachment Date	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
7-932-021	Toner Bottle M	End Date	ENG*	[0 to 1 / 0 / 1]
7-933-001	Toner Bottle C	Machine Serial ID	ENG*	[0 to 255 / 0 / 1]
7-933-002	Toner Bottle C	Cartridge Ver	ENG*	[0 to 255 / 0 / 1]
7-933-003	Toner Bottle C	Brand ID	ENG*	[0 to 255 / 0 / 1]
7-933-004	Toner Bottle C	Area ID	ENG*	[0 to 255 / 0 / 1]
7-933-005	Toner Bottle C	Product ID	ENG*	[0 to 255 / 0 / 1]
7-933-006	Toner Bottle C	Color ID	ENG*	[0 to 255 / 0 / 1]
7-933-007	Toner Bottle C	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-933-008	Toner Bottle C	New Product Information	ENG*	[0 to 255 / 0 / 1]
7-933-009	Toner Bottle C	Recycle Counter	ENG*	[0 to 255 / 0 / 1]
7-933-010	Toner Bottle C	Date	ENG*	[0 to 1 / 0 / 1]
7-933-011	Toner Bottle C	SerialNo.	ENG*	[0 to 1 / 0 / 1]
7-933-012	Toner Bottle C	Toner Remaining	ENG*	[0 to 100 / 100 / 1%]
7-933-013	Toner Bottle C	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-933-014	Toner Bottle C	End History	ENG*	[0 to 1 / 0 / 1]
7-933-015	Toner Bottle C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-933-016	Toner Bottle C	Attachment: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-933-	Toner Bottle C	Attachment: Color Counter	ENG*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017				
7-933-018	Toner Bottle C	End: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-933-019	Toner Bottle C	End: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-933-020	Toner Bottle C	Attachment Date	ENG*	[0 to 1 / 0 / 1]
7-933-021	Toner Bottle C	End Date	ENG*	[0 to 1 / 0 / 1]
7-934-001	Toner Bottle Y	Machine Serial ID	ENG*	[0 to 255 / 0 / 1]
7-934-002	Toner Bottle Y	Cartridge Ver	ENG*	[0 to 255 / 0 / 1]
7-934-003	Toner Bottle Y	Brand ID	ENG*	[0 to 255 / 0 / 1]
7-934-004	Toner Bottle Y	Area ID	ENG*	[0 to 255 / 0 / 1]
7-934-005	Toner Bottle Y	Product ID	ENG*	[0 to 255 / 0 / 1]
7-934-006	Toner Bottle Y	Color ID	ENG*	[0 to 255 / 0 / 1]
7-934-007	Toner Bottle Y	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-934-008	Toner Bottle Y	New Product Information	ENG*	[0 to 255 / 0 / 1]
7-934-009	Toner Bottle Y	Recycle Counter	ENG*	[0 to 255 / 0 / 1]
7-934-010	Toner Bottle Y	Date	ENG*	[0 to 1 / 0 / 1]
7-934-011	Toner Bottle Y	SerialNo.	ENG*	[0 to 1 / 0 / 1]
7-934-012	Toner Bottle Y	Toner Remaining	ENG*	[0 to 100 / 100 / 1%]
7-934-013	Toner Bottle Y	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-934-	Toner Bottle Y	End History	ENG*	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
7-934-015	Toner Bottle Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-934-016	Toner Bottle Y	Attachment: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-934-017	Toner Bottle Y	Attachment: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-934-018	Toner Bottle Y	End: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-934-019	Toner Bottle Y	End: Color Counter	ENG*	[0 to 99999999 / 0 / 1]
7-934-020	Toner Bottle Y	Attachment Date	ENG*	[0 to 1 / 0 / 1]
7-934-021	Toner Bottle Y	End Date	ENG*	[0 to 1 / 0 / 1]
7-935-001	Toner Bottle Log 1: Bk	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-935-002	Toner Bottle Log 1: Bk	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-935-003	Toner Bottle Log 1: Bk	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-935-004	Toner Bottle Log 1: Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-935-011	Toner Bottle Log 2: Bk	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-935-012	Toner Bottle Log 2: Bk	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-935-013	Toner Bottle Log 2: Bk	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-935-014	Toner Bottle Log 2: Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-935-021	Toner Bottle Log 3: Bk	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-935-022	Toner Bottle Log 3: Bk	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-935-	Toner Bottle Log 3: Bk	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
023				
7-935-024	Toner Bottle Log 3: Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-935-031	Toner Bottle Log 4: Bk	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-935-032	Toner Bottle Log 4: Bk	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-935-033	Toner Bottle Log 4: Bk	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-935-034	Toner Bottle Log 4: Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-935-041	Toner Bottle Log 5: Bk	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-935-042	Toner Bottle Log 5: Bk	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-935-043	Toner Bottle Log 5: Bk	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-935-044	Toner Bottle Log 5: Bk	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-936-001	Toner Bottle Log 1: M	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-936-002	Toner Bottle Log 1: M	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-936-003	Toner Bottle Log 1: M	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-936-004	Toner Bottle Log 1: M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-936-011	Toner Bottle Log 2: M	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-936-012	Toner Bottle Log 2: M	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-936-013	Toner Bottle Log 2: M	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-936-014	Toner Bottle Log 2: M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-936-	Toner Bottle Log 3: M	SerialNo.	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021				
7-936-022	Toner Bottle Log 3: M	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-936-023	Toner Bottle Log 3: M	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-936-024	Toner Bottle Log 3: M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-936-031	Toner Bottle Log 4: M	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-936-032	Toner Bottle Log 4: M	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-936-033	Toner Bottle Log 4: M	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-936-034	Toner Bottle Log 4: M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-936-041	Toner Bottle Log 5: M	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-936-042	Toner Bottle Log 5: M	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-936-043	Toner Bottle Log 5: M	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-936-044	Toner Bottle Log 5: M	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-937-001	Toner Bottle Log 1: C	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-937-002	Toner Bottle Log 1: C	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-937-003	Toner Bottle Log 1: C	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-937-004	Toner Bottle Log 1: C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-937-011	Toner Bottle Log 2: C	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-937-012	Toner Bottle Log 2: C	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-937-	Toner Bottle Log 2: C	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
7-937-014	Toner Bottle Log 2: C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-937-021	Toner Bottle Log 3: C	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-937-022	Toner Bottle Log 3: C	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-937-023	Toner Bottle Log 3: C	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-937-024	Toner Bottle Log 3: C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-937-031	Toner Bottle Log 4: C	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-937-032	Toner Bottle Log 4: C	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-937-033	Toner Bottle Log 4: C	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-937-034	Toner Bottle Log 4: C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-937-041	Toner Bottle Log 5: C	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-937-042	Toner Bottle Log 5: C	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-937-043	Toner Bottle Log 5: C	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-937-044	Toner Bottle Log 5: C	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-938-001	Toner Bottle Log 1: Y	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-938-002	Toner Bottle Log 1: Y	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-938-003	Toner Bottle Log 1: Y	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-938-004	Toner Bottle Log 1: Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-938-	Toner Bottle Log 2: Y	SerialNo.	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
7-938-012	Toner Bottle Log 2: Y	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-938-013	Toner Bottle Log 2: Y	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-938-014	Toner Bottle Log 2: Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-938-021	Toner Bottle Log 3: Y	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-938-022	Toner Bottle Log 3: Y	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-938-023	Toner Bottle Log 3: Y	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-938-024	Toner Bottle Log 3: Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-938-031	Toner Bottle Log 4: Y	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-938-032	Toner Bottle Log 4: Y	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-938-033	Toner Bottle Log 4: Y	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-938-034	Toner Bottle Log 4: Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-938-041	Toner Bottle Log 5: Y	SerialNo.	ENG	[0 to 1 / 0 / 1]
7-938-042	Toner Bottle Log 5: Y	Attachment Date	ENG	[0 to 1 / 0 / 1]
7-938-043	Toner Bottle Log 5: Y	Attachment: Total Counter	ENG	[0 to 99999999 / 0 / 1]
7-938-044	Toner Bottle Log 5: Y	Refill Information	ENG*	[0 to 1 / 0 / 1]
7-940-003	Drive Distance:End Std Value	#K_Development Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 227600
7-940-004	Drive Distance:End Std Value	Development: Bk	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-005	Drive Distance:End Std Value	Development Filter:K	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-008	Drive Distance:End Std Value	#Cleaning Unit: K	ENG	[0 to 99999999 / 189000 / 1m]
7-940-009	Drive Distance:End Std Value	K_Cleaning Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-010	Drive Distance:End Std Value	K_Lubricant Brush	ENG	[0 to 99999999 / 189000 / 1m]
7-940-011	Drive Distance:End Std Value	Lubricant Bar: K	ENG	[0 to 99999999 / 189000 / 1m]
7-940-012	Drive Distance:End Std Value	K_Lubricant Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-013	Drive Distance:End Std Value	Brash Drive Joint:K	ENG	[0 to 99999999 / 189000 / 1m]
7-940-014	Drive Distance:End Std Value	Gears:K	ENG	[0 to 99999999 / 189000 / 1m]
7-940-017	Drive Distance:End Std Value	#K_Charge Roller Unit	ENG	[0 to 99999999 / 250000 / 1m]
7-940-021	Drive Distance:End Std Value	#PCU:K	ENG	[0 to 99999999 / 670000 / 1m]
7-940-026	Drive Distance:End Std Value	#C_Development Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 227600
7-940-027	Drive Distance:End Std Value	Development: C	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-028	Drive Distance:End Std Value	Development Filter:C	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-031	Drive Distance:End Std Value	#Cleaning Unit: C	ENG	[0 to 99999999 / 189000 / 1m]
7-940-032	Drive Distance:End Std Value	C_Cleaning Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-033	Drive Distance:End Std Value	C_Lubricant Brush	ENG	[0 to 99999999 / 189000 / 1m]
7-940-034	Drive Distance:End Std Value	Lubricant Bar: C	ENG	[0 to 99999999 / 189000 / 1m]
7-940-035	Drive Distance:End Std Value	C_Lubricant Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-036	Drive Distance:End Std Value	Brash Drive Joint:C	ENG	[0 to 99999999 / 189000 / 1m]
7-940-037	Drive Distance:End Std Value	Gears:C	ENG	[0 to 99999999 / 189000 / 1m]
7-940-040	Drive Distance:End Std Value	#C_Charge Roller Unit	ENG	[0 to 99999999 / 250000 / 1m]
7-940-044	Drive Distance:End Std Value	#PCU:C	ENG	[0 to 99999999 / 670000 / 1m]
7-940-049	Drive Distance:End Std Value	#M_Development Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 227600
7-940-050	Drive Distance:End Std Value	Development: M	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-051	Drive Distance:End Std Value	Development Filter:M	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-054	Drive Distance:End Std Value	#Cleaning Unit: M	ENG	[0 to 99999999 / 189000 / 1m]
7-940-055	Drive Distance:End Std Value	M_Cleaning Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-056	Drive Distance:End Std Value	M_Lubricant Brush	ENG	[0 to 99999999 / 189000 / 1m]
7-940-057	Drive Distance:End Std Value	Lubricant Bar: M	ENG	[0 to 99999999 / 189000 / 1m]
7-940-058	Drive Distance:End Std Value	M_Lubricant Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-059	Drive Distance:End Std Value	Brash Drive Joint:M	ENG	[0 to 99999999 / 189000 / 1m]
7-940-060	Drive Distance:End Std Value	Gears:M	ENG	[0 to 99999999 / 189000 / 1m]
7-940-063	Drive Distance:End Std Value	#M_Charge Roller Unit	ENG	[0 to 99999999 / 250000 / 1m]
7-940-067	Drive Distance:End Std Value	#PCU:M	ENG	[0 to 99999999 / 670000 / 1m]
7-940-072	Drive Distance:End Std Value	#Y_Development Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 227600
7-940-073	Drive Distance:End Std Value	Development: Y	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-074	Drive Distance:End Std Value	Development Filter:Y	ENG	[0 to 99999999 / * / 1m] *MP C6503: 257900 *MP C8003: 257900 *Pro C5200S: 227600 *Pro C5210S: 227600
7-940-077	Drive Distance:End Std Value	#Cleaning Unit: Y	ENG	[0 to 99999999 / 189000 / 1m]
7-940-078	Drive Distance:End Std Value	Y_Cleaning Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-079	Drive Distance:End Std Value	Y_Lubricant Brush	ENG	[0 to 99999999 / 189000 / 1m]
7-940-080	Drive Distance:End Std Value	Lubricant Bar: Y	ENG	[0 to 99999999 / 189000 / 1m]
7-940-081	Drive Distance:End Std Value	Y_Lubricant Blade	ENG	[0 to 99999999 / 189000 / 1m]
7-940-082	Drive Distance:End Std Value	Brash Drive Joint:Y	ENG	[0 to 99999999 / 189000 / 1m]
7-940-083	Drive Distance:End Std Value	Gears:Y	ENG	[0 to 99999999 / 189000 / 1m]
7-940-086	Drive Distance:End Std Value	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 250000 / 1m]
7-940-090	Drive Distance:End Std Value	#PCU:Y	ENG	[0 to 99999999 / 670000 / 1m]
7-940-093	Drive Distance:End Std Value	#Image Transfer Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro C5210S: 478800
7-940-094	Drive Distance:End Std Value	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-095	Drive Distance:End Std Value	ITB Roller: K	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-096	Drive Distance:End Std Value	ITB Roller: C	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-097	Drive Distance:End Std Value	ITB Roller: M	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-098	Drive Distance:End Std Value	ITB Roller: Y	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-099	Drive Distance:End Std Value	ITB Bias Roller	ENG	[0 to 99999999 / * / 1m] *MP C6503: 552000 *MP C8003: 552000 *Pro C5200S: 478800 *Pro C5210S: 478800

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-940-102	Drive Distance:End Std Value	#ITB Cleaning Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-103	Drive Distance:End Std Value	ITB Cleaning Blade	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-104	Drive Distance:End Std Value	Lubricant Brush	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-105	Drive Distance:End Std Value	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-106	Drive Distance:End Std Value	Lube Application Blade	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-109	Drive Distance:End Std Value	#Paper Transfer Unit	ENG	[0 to 99999999 / * / 1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-	Drive Distance:End Std	PTB Cleaning Blade	ENG	[0 to 99999999 / * /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
110	Value			1m] *MP C6503: 300000 *MP C8003: 300000 *Pro C5200S: 239400 *Pro C5210S: 239400
7-940-111	Drive Distance:End Std Value	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / * / 1m] *MP C6503: 600000 *MP C8003: 600000 *Pro C5200S: 478800 *Pro C5210S: 478800
7-940-114	Drive Distance:End Std Value	#Fusing	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-115	Drive Distance:End Std Value	#Fusing Unit	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-116	Drive Distance:End Std Value	Fusing Belt	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-117	Drive Distance:End Std Value	Hot Roller	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-118	Drive Distance:End Std Value	Pressure Roller	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-119	Drive Distance:End Std Value	Pressure Roller Bearings	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-126	Drive Distance:End Std Value	Web Cleaning Roller	ENG	[0 to 99999999 / 99999999 / 1m]
7-940-127	Drive Distance:End Std Value	Web Roller Stopper	ENG	[0 to 99999999 / 99999999 / 1m]
7-942-003	Drive Distance % Counter	#K_Development Unit	ENG	[0 to 255 / 0 / 1%]
7-942-004	Drive Distance % Counter	Development: Bk	ENG	[0 to 255 / 0 / 1%]
7-942-005	Drive Distance % Counter	Development Filter:K	ENG	[0 to 255 / 0 / 1%]
7-942-008	Drive Distance % Counter	#Cleaning Unit: K	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance %	K_Cleaning Blade	ENG	[0 to 255 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009	Counter			
7-942-010	Drive Distance % Counter	K_Lubricant Brush	ENG	[0 to 255 / 0 / 1%]
7-942-011	Drive Distance % Counter	Lubricant Bar: K	ENG	[0 to 255 / 0 / 1%]
7-942-012	Drive Distance % Counter	K_Lubricant Blade	ENG	[0 to 255 / 0 / 1%]
7-942-013	Drive Distance % Counter	Brash Drive Joint:K	ENG	[0 to 255 / 0 / 1%]
7-942-014	Drive Distance % Counter	Gears:K	ENG	[0 to 255 / 0 / 1%]
7-942-017	Drive Distance % Counter	#K_Charge Roller Unit	ENG	[0 to 255 / 0 / 1%]
7-942-021	Drive Distance % Counter	#PCU:K	ENG	[0 to 255 / 0 / 1%]
7-942-026	Drive Distance % Counter	#C_Development Unit	ENG	[0 to 255 / 0 / 1%]
7-942-027	Drive Distance % Counter	Development: C	ENG	[0 to 255 / 0 / 1%]
7-942-028	Drive Distance % Counter	Development Filter:C	ENG	[0 to 255 / 0 / 1%]
7-942-031	Drive Distance % Counter	#Cleaning Unit: C	ENG	[0 to 255 / 0 / 1%]
7-942-032	Drive Distance % Counter	C_Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-033	Drive Distance % Counter	C_Lubricant Brush	ENG	[0 to 255 / 0 / 1%]
7-942-034	Drive Distance % Counter	Lubricant Bar: C	ENG	[0 to 255 / 0 / 1%]
7-942-035	Drive Distance % Counter	C_Lubricant Blade	ENG	[0 to 255 / 0 / 1%]
7-942-036	Drive Distance % Counter	Brash Drive Joint:C	ENG	[0 to 255 / 0 / 1%]
7-942-037	Drive Distance % Counter	Gears:C	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance %	#C_Charge Roller Unit	ENG	[0 to 255 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040	Counter			
7-942-044	Drive Distance % Counter	#PCU:C	ENG	[0 to 255 / 0 / 1%]
7-942-049	Drive Distance % Counter	#M_Development Unit	ENG	[0 to 255 / 0 / 1%]
7-942-050	Drive Distance % Counter	Development: M	ENG	[0 to 255 / 0 / 1%]
7-942-051	Drive Distance % Counter	Development Filter:M	ENG	[0 to 255 / 0 / 1%]
7-942-054	Drive Distance % Counter	#Cleaning Unit: M	ENG	[0 to 255 / 0 / 1%]
7-942-055	Drive Distance % Counter	M_Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-056	Drive Distance % Counter	M_Lubricant Brush	ENG	[0 to 255 / 0 / 1%]
7-942-057	Drive Distance % Counter	Lubricant Bar: M	ENG	[0 to 255 / 0 / 1%]
7-942-058	Drive Distance % Counter	M_Lubricant Blade	ENG	[0 to 255 / 0 / 1%]
7-942-059	Drive Distance % Counter	Brash Drive Joint:M	ENG	[0 to 255 / 0 / 1%]
7-942-060	Drive Distance % Counter	Gears:M	ENG	[0 to 255 / 0 / 1%]
7-942-063	Drive Distance % Counter	#M_Charge Roller Unit	ENG	[0 to 255 / 0 / 1%]
7-942-067	Drive Distance % Counter	#PCU:M	ENG	[0 to 255 / 0 / 1%]
7-942-072	Drive Distance % Counter	#Y_Development Unit	ENG	[0 to 255 / 0 / 1%]
7-942-073	Drive Distance % Counter	Development: Y	ENG	[0 to 255 / 0 / 1%]
7-942-074	Drive Distance % Counter	Development Filter:Y	ENG	[0 to 255 / 0 / 1%]
7-942-077	Drive Distance % Counter	#Cleaning Unit: Y	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance %	Y_Cleaning Blade	ENG	[0 to 255 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078	Counter			
7-942-079	Drive Distance % Counter	Y_Lubricant Brush	ENG	[0 to 255 / 0 / 1%]
7-942-080	Drive Distance % Counter	Lubricant Bar: Y	ENG	[0 to 255 / 0 / 1%]
7-942-081	Drive Distance % Counter	Y_Lubricant Blade	ENG	[0 to 255 / 0 / 1%]
7-942-082	Drive Distance % Counter	Brash Drive Joint:Y	ENG	[0 to 255 / 0 / 1%]
7-942-083	Drive Distance % Counter	Gears:Y	ENG	[0 to 255 / 0 / 1%]
7-942-086	Drive Distance % Counter	#Y_Charge Roller Unit	ENG	[0 to 255 / 0 / 1%]
7-942-090	Drive Distance % Counter	#PCU:Y	ENG	[0 to 255 / 0 / 1%]
7-942-093	Drive Distance % Counter	#Image Transfer Unit	ENG	[0 to 255 / 0 / 1%]
7-942-094	Drive Distance % Counter	ITB(Image Transfer Belt)	ENG	[0 to 255 / 0 / 1%]
7-942-095	Drive Distance % Counter	ITB Roller: K	ENG	[0 to 255 / 0 / 1%]
7-942-096	Drive Distance % Counter	ITB Roller: C	ENG	[0 to 255 / 0 / 1%]
7-942-097	Drive Distance % Counter	ITB Roller: M	ENG	[0 to 255 / 0 / 1%]
7-942-098	Drive Distance % Counter	ITB Roller: Y	ENG	[0 to 255 / 0 / 1%]
7-942-099	Drive Distance % Counter	ITB Bias Roller	ENG	[0 to 255 / 0 / 1%]
7-942-102	Drive Distance % Counter	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-942-103	Drive Distance % Counter	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-104	Drive Distance % Counter	Lubricant Brush	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance %	Lubrication: Belt Cleanig	ENG	[0 to 255 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105	Counter			
7-942-106	Drive Distance % Counter	Lube Application Blade	ENG	[0 to 255 / 0 / 1%]
7-942-109	Drive Distance % Counter	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1%]
7-942-110	Drive Distance % Counter	PTB Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-111	Drive Distance % Counter	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 0 / 1%]
7-942-114	Drive Distance % Counter	#Fusing	ENG	[0 to 255 / 0 / 1%]
7-942-115	Drive Distance % Counter	#Fusing Unit	ENG	[0 to 255 / 0 / 1%]
7-942-116	Drive Distance % Counter	Fusing Belt	ENG	[0 to 255 / 0 / 1%]
7-942-117	Drive Distance % Counter	Hot Roller	ENG	[0 to 255 / 0 / 1%]
7-942-118	Drive Distance % Counter	Pressure Roller	ENG	[0 to 255 / 0 / 1%]
7-942-119	Drive Distance % Counter	Pressure Roller Bearings	ENG	[0 to 255 / 0 / 1%]
7-942-120	Drive Distance % Counter	Fusing Belt Smoothing Roller	ENG	[0 to 255 / 0 / 1%]
7-942-124	Drive Distance % Counter	#Fusing Cleaning Unit	ENG*	[0 to 255 / 0 / 1%]
7-942-125	Drive Distance % Counter	Cleaning Web	ENG*	[0 to 255 / 0 / 1%]
7-942-126	Drive Distance % Counter	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1%]
7-942-127	Drive Distance % Counter	Web Roller Stopper	ENG	[0 to 255 / 0 / 1%]
7-944-003	Motor Drv Distance Counter	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-004	Motor Drv Distance Counter	Development: Bk	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Motor Drv Distance	Development Filter:K	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005	Counter			1m]
7-944-008	Motor Drv Distance Counter	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 / 1m]
7-944-009	Motor Drv Distance Counter	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-010	Motor Drv Distance Counter	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1m]
7-944-011	Motor Drv Distance Counter	Lubricant Bar: K	ENG	[0 to 99999999 / 0 / 1m]
7-944-012	Motor Drv Distance Counter	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-013	Motor Drv Distance Counter	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1m]
7-944-014	Motor Drv Distance Counter	Gears:K	ENG	[0 to 99999999 / 0 / 1m]
7-944-017	Motor Drv Distance Counter	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-021	Motor Drv Distance Counter	#PCU:K	ENG	[0 to 99999999 / 0 / 1m]
7-944-026	Motor Drv Distance Counter	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-027	Motor Drv Distance Counter	Development: C	ENG	[0 to 99999999 / 0 / 1m]
7-944-028	Motor Drv Distance Counter	Development Filter:C	ENG	[0 to 99999999 / 0 / 1m]
7-944-031	Motor Drv Distance Counter	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1m]
7-944-032	Motor Drv Distance Counter	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-033	Motor Drv Distance Counter	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1m]
7-944-034	Motor Drv Distance Counter	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1m]
7-944-035	Motor Drv Distance Counter	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Motor Drv Distance	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
036	Counter			1m]
7-944-037	Motor Drv Distance Counter	Gears:C	ENG	[0 to 99999999 / 0 / 1m]
7-944-040	Motor Drv Distance Counter	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-044	Motor Drv Distance Counter	#PCU:C	ENG	[0 to 99999999 / 0 / 1m]
7-944-049	Motor Drv Distance Counter	#M_Development Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-050	Motor Drv Distance Counter	Development: M	ENG	[0 to 99999999 / 0 / 1m]
7-944-051	Motor Drv Distance Counter	Development Filter:M	ENG	[0 to 99999999 / 0 / 1m]
7-944-054	Motor Drv Distance Counter	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1m]
7-944-055	Motor Drv Distance Counter	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-056	Motor Drv Distance Counter	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1m]
7-944-057	Motor Drv Distance Counter	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1m]
7-944-058	Motor Drv Distance Counter	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-059	Motor Drv Distance Counter	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1m]
7-944-060	Motor Drv Distance Counter	Gears:M	ENG	[0 to 99999999 / 0 / 1m]
7-944-063	Motor Drv Distance Counter	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-067	Motor Drv Distance Counter	#PCU:M	ENG	[0 to 99999999 / 0 / 1m]
7-944-072	Motor Drv Distance Counter	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-073	Motor Drv Distance Counter	Development: Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Motor Drv Distance	Development Filter:Y	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
074	Counter			1m]
7-944-077	Motor Drv Distance Counter	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-078	Motor Drv Distance Counter	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-079	Motor Drv Distance Counter	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1m]
7-944-080	Motor Drv Distance Counter	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-081	Motor Drv Distance Counter	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-082	Motor Drv Distance Counter	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-083	Motor Drv Distance Counter	Gears:Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-086	Motor Drv Distance Counter	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-090	Motor Drv Distance Counter	#PCU:Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-093	Motor Drv Distance Counter	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-094	Motor Drv Distance Counter	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1m]
7-944-095	Motor Drv Distance Counter	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1m]
7-944-096	Motor Drv Distance Counter	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1m]
7-944-097	Motor Drv Distance Counter	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1m]
7-944-098	Motor Drv Distance Counter	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1m]
7-944-099	Motor Drv Distance Counter	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-102	Motor Drv Distance Counter	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Motor Drv Distance	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103	Counter			1m]
7-944-104	Motor Drv Distance Counter	Lubricant Brush	ENG	[0 to 99999999 / 0 / 1m]
7-944-105	Motor Drv Distance Counter	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1m]
7-944-106	Motor Drv Distance Counter	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-109	Motor Drv Distance Counter	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-110	Motor Drv Distance Counter	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-111	Motor Drv Distance Counter	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1m]
7-944-114	Motor Drv Distance Counter	#Fusing	ENG	[0 to 99999999 / 0 / 1m]
7-944-115	Motor Drv Distance Counter	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-116	Motor Drv Distance Counter	Fusing Belt	ENG	[0 to 99999999 / 0 / 1m]
7-944-117	Motor Drv Distance Counter	Hot Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-118	Motor Drv Distance Counter	Pressure Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-119	Motor Drv Distance Counter	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1m]
7-944-126	Motor Drv Distance Counter	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-127	Motor Drv Distance Counter	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1m]

SP Group 7000-03

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-950-003	Replacement Date	#K_Development Unit	ENG	[0 to 1 / 0 / 1]
7-950-004	Replacement Date	Development: Bk	ENG	[0 to 1 / 0 / 1]
7-950-005	Replacement Date	Development Filter:K	ENG	[0 to 1 / 0 / 1]
7-950-008	Replacement Date	#Cleaning Unit: K	ENG	[0 to 1 / 0 / 1]
7-950-009	Replacement Date	K_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-010	Replacement Date	K_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-950-011	Replacement Date	Lubricant Bar: K	ENG	[0 to 1 / 0 / 1]
7-950-012	Replacement Date	K_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-950-013	Replacement Date	Brash Drive Joint:K	ENG	[0 to 1 / 0 / 1]
7-950-014	Replacement Date	Gears:K	ENG	[0 to 1 / 0 / 1]
7-950-017	Replacement Date	#K_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-950-021	Replacement Date	#PCU:K	ENG	[0 to 1 / 0 / 1]
7-950-026	Replacement Date	#C_Development Unit	ENG	[0 to 1 / 0 / 1]
7-950-027	Replacement Date	Development: C	ENG	[0 to 1 / 0 / 1]
7-950-028	Replacement Date	Development Filter:C	ENG	[0 to 1 / 0 / 1]
7-950-031	Replacement Date	#Cleaning Unit: C	ENG	[0 to 1 / 0 / 1]
7-950-032	Replacement Date	C_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	C_Lubricant Brush	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033				
7-950-034	Replacement Date	Lubricant Bar: C	ENG	[0 to 1 / 0 / 1]
7-950-035	Replacement Date	C_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-950-036	Replacement Date	Brash Drive Joint:C	ENG	[0 to 1 / 0 / 1]
7-950-037	Replacement Date	Gears:C	ENG	[0 to 1 / 0 / 1]
7-950-040	Replacement Date	#C_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-950-044	Replacement Date	#PCU:C	ENG	[0 to 1 / 0 / 1]
7-950-049	Replacement Date	#M_Development Unit	ENG	[0 to 1 / 0 / 1]
7-950-050	Replacement Date	Development: M	ENG	[0 to 1 / 0 / 1]
7-950-051	Replacement Date	Development Filter:M	ENG	[0 to 1 / 0 / 1]
7-950-054	Replacement Date	#Cleaning Unit: M	ENG	[0 to 1 / 0 / 1]
7-950-055	Replacement Date	M_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-056	Replacement Date	M_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-950-057	Replacement Date	Lubricant Bar: M	ENG	[0 to 1 / 0 / 1]
7-950-058	Replacement Date	M_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-950-059	Replacement Date	Brash Drive Joint:M	ENG	[0 to 1 / 0 / 1]
7-950-060	Replacement Date	Gears:M	ENG	[0 to 1 / 0 / 1]
7-950-063	Replacement Date	#M_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	#PCU:M	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				
7-950-072	Replacement Date	#Y_Development Unit	ENG	[0 to 1 / 0 / 1]
7-950-073	Replacement Date	Development: Y	ENG	[0 to 1 / 0 / 1]
7-950-074	Replacement Date	Development Filter:Y	ENG	[0 to 1 / 0 / 1]
7-950-077	Replacement Date	#Cleaning Unit: Y	ENG	[0 to 1 / 0 / 1]
7-950-078	Replacement Date	Y_Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-079	Replacement Date	Y_Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-950-080	Replacement Date	Lubricant Bar: Y	ENG	[0 to 1 / 0 / 1]
7-950-081	Replacement Date	Y_Lubricant Blade	ENG	[0 to 1 / 0 / 1]
7-950-082	Replacement Date	Brash Drive Joint:Y	ENG	[0 to 1 / 0 / 1]
7-950-083	Replacement Date	Gears:Y	ENG	[0 to 1 / 0 / 1]
7-950-086	Replacement Date	#Y_Charge Roller Unit	ENG	[0 to 1 / 0 / 1]
7-950-090	Replacement Date	#PCU:Y	ENG	[0 to 1 / 0 / 1]
7-950-093	Replacement Date	#Image Transfer Unit	ENG	[0 to 1 / 0 / 1]
7-950-094	Replacement Date	ITB(Image Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-950-095	Replacement Date	ITB Roller: K	ENG	[0 to 1 / 0 / 1]
7-950-096	Replacement Date	ITB Roller: C	ENG	[0 to 1 / 0 / 1]
7-950-097	Replacement Date	ITB Roller: M	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	ITB Roller: Y	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
098				
7-950-099	Replacement Date	ITB Bias Roller	ENG	[0 to 1 / 0 / 1]
7-950-102	Replacement Date	#ITB Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-950-103	Replacement Date	ITB Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-104	Replacement Date	Lubricant Brush	ENG	[0 to 1 / 0 / 1]
7-950-105	Replacement Date	Lubrication: Belt Cleanig	ENG	[0 to 1 / 0 / 1]
7-950-106	Replacement Date	Lube Application Blade	ENG	[0 to 1 / 0 / 1]
7-950-109	Replacement Date	#Paper Transfer Unit	ENG	[0 to 1 / 0 / 1]
7-950-110	Replacement Date	PTB Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-111	Replacement Date	PTB(Paper Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-950-114	Replacement Date	#Fusing	ENG	[0 to 1 / 0 / 1]
7-950-115	Replacement Date	#Fusing Unit	ENG	[0 to 1 / 0 / 1]
7-950-116	Replacement Date	Fusing Belt	ENG	[0 to 1 / 0 / 1]
7-950-117	Replacement Date	Hot Roller	ENG	[0 to 1 / 0 / 1]
7-950-118	Replacement Date	Pressure Roller	ENG	[0 to 1 / 0 / 1]
7-950-119	Replacement Date	Pressure Roller Bearings	ENG	[0 to 1 / 0 / 1]
7-950-126	Replacement Date	Web Cleaning Roller	ENG	[0 to 1 / 0 / 1]
7-950-127	Replacement Date	Web Roller Stopper	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	#Main Unit Filters	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
130				
7-950-131	Replacement Date	Dust Filter:Large	ENG	[0 to 1 / 0 / 1]
7-950-132	Replacement Date	Dust Filter:Small	ENG	[0 to 1 / 0 / 1]
7-950-133	Replacement Date	Ozone Filter	ENG	[0 to 1 / 0 / 1]
7-950-134	Replacement Date	Deodorant Filter:Large	ENG	[0 to 1 / 0 / 1]
7-950-135	Replacement Date	Deodorant Filter:Small	ENG	[0 to 1 / 0 / 1]
7-950-140	Replacement Date	Filter:UFP:Transfer:Fusing	ENG	[0 to 1 / 0 / 1]
7-950-141	Replacement Date	Filter:UFP:Pressure Roller	ENG	[0 to 1 / 0 / 1]
7-950-142	Replacement Date	Waste Toner Bottle	ENG	[0 to 1 / 0 / 1]
7-950-143	Replacement Date	Filter:UFP:Fusing:Exit	ENG	[0 to 1 / 0 / 1]
7-950-145	Replacement Date	#Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-146	Replacement Date	Pick-up Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-950-147	Replacement Date	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-148	Replacement Date	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-151	Replacement Date	#Tray2 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-152	Replacement Date	Pick-up Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-950-153	Replacement Date	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-154	Replacement Date	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	#Tray3 Roller Assembly	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
157				
7-950-158	Replacement Date	Pick-up Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-950-159	Replacement Date	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-160	Replacement Date	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-163	Replacement Date	#Tray4 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-164	Replacement Date	Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-165	Replacement Date	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-166	Replacement Date	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-169	Replacement Date	#Feed Roller:Bypass	ENG	[0 to 1 / 0 / 1]
7-950-170	Replacement Date	Feed Roller:Bypass:Pick-up	ENG	[0 to 1 / 0 / 1]
7-950-171	Replacement Date	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-172	Replacement Date	Feed Roller:Bypass:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-175	Replacement Date	#Feed Roller:A3LCT	ENG	[0 to 1 / 0 / 1]
7-950-176	Replacement Date	Feed Roller:A3LCT:Pick-up	ENG	[0 to 1 / 0 / 1]
7-950-177	Replacement Date	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 1 / 0 / 1]
7-950-178	Replacement Date	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-181	Replacement Date	#Feed Roller:A4LCT	ENG	[0 to 1 / 0 / 1]
7-950-182	Replacement Date	Feed Roller:A4LCT:Pick-up	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Feed Roller:A4LCT:Feeding	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
183		Roller		
7-950-184	Replacement Date	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-187	Replacement Date	#Inserter Feed:Tray 1	ENG	[0 to 1 / 0 / 1]
7-950-188	Replacement Date	Inserter:Tray1:Pick-up	ENG	[0 to 1 / 0 / 1]
7-950-189	Replacement Date	Inserter:Tray1:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-190	Replacement Date	Inserter:Tray1:Separate Roller	ENG	[0 to 1 / 0 / 1]
7-950-193	Replacement Date	#Inserter Feed:Tray 2	ENG	[0 to 1 / 0 / 1]
7-950-194	Replacement Date	Inserter:Tray2:Pick-up	ENG	[0 to 1 / 0 / 1]
7-950-195	Replacement Date	Inserter:Tray2:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-196	Replacement Date	Inserter:Tray2:Separate Roller	ENG	[0 to 1 / 0 / 1]
7-950-199	Replacement Date	#Interposer	ENG	[0 to 1 / 0 / 1]
7-950-200	Replacement Date	Feed Belt:Interposer	ENG	[0 to 1 / 0 / 1]
7-950-201	Replacement Date	Separation Roller:Interposer	ENG	[0 to 1 / 0 / 1]
7-950-202	Replacement Date	Pick-up Roller:Interposer	ENG	[0 to 1 / 0 / 1]
7-950-205	Replacement Date	#ADF	ENG	[0 to 1 / 0 / 1]
7-950-206	Replacement Date	ADF Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-207	Replacement Date	ADF Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-208	Replacement Date	ADF Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-951-	Remain Day Counter:	#K_Development Unit	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Pages			
7-951-004	Remain Day Counter: Pages	Development: Bk	ENG	[0 to 255 / 255 / 1days]
7-951-005	Remain Day Counter: Pages	Development Filter:K	ENG	[0 to 255 / 255 / 1days]
7-951-008	Remain Day Counter: Pages	#Cleaning Unit: K	ENG	[0 to 255 / 255 / 1days]
7-951-009	Remain Day Counter: Pages	K_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-010	Remain Day Counter: Pages	K_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-951-011	Remain Day Counter: Pages	Lubricant Bar: K	ENG	[0 to 255 / 255 / 1days]
7-951-012	Remain Day Counter: Pages	K_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-951-013	Remain Day Counter: Pages	Brash Drive Joint:K	ENG	[0 to 255 / 255 / 1days]
7-951-014	Remain Day Counter: Pages	Gears:K	ENG	[0 to 255 / 255 / 1days]
7-951-017	Remain Day Counter: Pages	#K_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-951-021	Remain Day Counter: Pages	#PCU:K	ENG	[0 to 255 / 255 / 1days]
7-951-026	Remain Day Counter: Pages	#C_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-951-027	Remain Day Counter: Pages	Development: C	ENG	[0 to 255 / 255 / 1days]
7-951-028	Remain Day Counter: Pages	Development Filter:C	ENG	[0 to 255 / 255 / 1days]
7-951-031	Remain Day Counter: Pages	#Cleaning Unit: C	ENG	[0 to 255 / 255 / 1days]
7-951-032	Remain Day Counter: Pages	C_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-033	Remain Day Counter: Pages	C_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	Lubricant Bar: C	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034	Pages			
7-951-035	Remain Day Counter: Pages	C_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-951-036	Remain Day Counter: Pages	Brash Drive Joint:C	ENG	[0 to 255 / 255 / 1days]
7-951-037	Remain Day Counter: Pages	Gears:C	ENG	[0 to 255 / 255 / 1days]
7-951-040	Remain Day Counter: Pages	#C_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-951-044	Remain Day Counter: Pages	#PCU:C	ENG	[0 to 255 / 255 / 1days]
7-951-049	Remain Day Counter: Pages	#M_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-951-050	Remain Day Counter: Pages	Development: M	ENG	[0 to 255 / 255 / 1days]
7-951-051	Remain Day Counter: Pages	Development Filter:M	ENG	[0 to 255 / 255 / 1days]
7-951-054	Remain Day Counter: Pages	#Cleaning Unit: M	ENG	[0 to 255 / 255 / 1days]
7-951-055	Remain Day Counter: Pages	M_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-056	Remain Day Counter: Pages	M_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-951-057	Remain Day Counter: Pages	Lubricant Bar: M	ENG	[0 to 255 / 255 / 1days]
7-951-058	Remain Day Counter: Pages	M_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-951-059	Remain Day Counter: Pages	Brash Drive Joint:M	ENG	[0 to 255 / 255 / 1days]
7-951-060	Remain Day Counter: Pages	Gears:M	ENG	[0 to 255 / 255 / 1days]
7-951-063	Remain Day Counter: Pages	#M_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-951-067	Remain Day Counter: Pages	#PCU:M	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	#Y_Development Unit	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
072	Pages			
7-951-073	Remain Day Counter: Pages	Development: Y	ENG	[0 to 255 / 255 / 1days]
7-951-074	Remain Day Counter: Pages	Development Filter:Y	ENG	[0 to 255 / 255 / 1days]
7-951-077	Remain Day Counter: Pages	#Cleaning Unit: Y	ENG	[0 to 255 / 255 / 1days]
7-951-078	Remain Day Counter: Pages	Y_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-079	Remain Day Counter: Pages	Y_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-951-080	Remain Day Counter: Pages	Lubricant Bar: Y	ENG	[0 to 255 / 255 / 1days]
7-951-081	Remain Day Counter: Pages	Y_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-951-082	Remain Day Counter: Pages	Brash Drive Joint:Y	ENG	[0 to 255 / 255 / 1days]
7-951-083	Remain Day Counter: Pages	Gears:Y	ENG	[0 to 255 / 255 / 1days]
7-951-086	Remain Day Counter: Pages	#Y_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-951-090	Remain Day Counter: Pages	#PCU:Y	ENG	[0 to 255 / 255 / 1days]
7-951-093	Remain Day Counter: Pages	#Image Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-951-094	Remain Day Counter: Pages	ITB(Image Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-951-095	Remain Day Counter: Pages	ITB Roller: K	ENG	[0 to 255 / 255 / 1days]
7-951-096	Remain Day Counter: Pages	ITB Roller: C	ENG	[0 to 255 / 255 / 1days]
7-951-097	Remain Day Counter: Pages	ITB Roller: M	ENG	[0 to 255 / 255 / 1days]
7-951-098	Remain Day Counter: Pages	ITB Roller: Y	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	ITB Bias Roller	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
099	Pages			
7-951-102	Remain Day Counter: Pages	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1days]
7-951-103	Remain Day Counter: Pages	ITB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-104	Remain Day Counter: Pages	Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-951-105	Remain Day Counter: Pages	Lubrication: Belt Cleanig	ENG	[0 to 255 / 255 / 1days]
7-951-106	Remain Day Counter: Pages	Lube Application Blade	ENG	[0 to 255 / 255 / 1days]
7-951-109	Remain Day Counter: Pages	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-951-110	Remain Day Counter: Pages	PTB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-951-111	Remain Day Counter: Pages	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-951-114	Remain Day Counter: Pages	#Fusing	ENG	[0 to 255 / 255 / 1days]
7-951-115	Remain Day Counter: Pages	#Fusing Unit	ENG	[0 to 255 / 255 / 1days]
7-951-116	Remain Day Counter: Pages	Fusing Belt	ENG	[0 to 255 / 255 / 1days]
7-951-117	Remain Day Counter: Pages	Hot Roller	ENG	[0 to 255 / 255 / 1days]
7-951-118	Remain Day Counter: Pages	Pressure Roller	ENG	[0 to 255 / 255 / 1days]
7-951-119	Remain Day Counter: Pages	Pressure Roller Bearings	ENG	[0 to 255 / 255 / 1days]
7-951-126	Remain Day Counter: Pages	Web Cleaning Roller	ENG	[0 to 255 / 255 / 1days]
7-951-127	Remain Day Counter: Pages	Web Roller Stopper	ENG	[0 to 255 / 255 / 1days]
7-951-130	Remain Day Counter: Pages	#Main Unit Filters	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	Dust Filter:Large	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
131	Pages			
7-951-132	Remain Day Counter: Pages	Dust Filter:Small	ENG	[0 to 255 / 255 / 1days]
7-951-133	Remain Day Counter: Pages	Ozone Filter	ENG	[0 to 255 / 255 / 1days]
7-951-134	Remain Day Counter: Pages	Deodorant Filter:Large	ENG	[0 to 255 / 255 / 1days]
7-951-135	Remain Day Counter: Pages	Deodorant Filter:Small	ENG	[0 to 255 / 255 / 1days]
7-951-140	Remain Day Counter: Pages	Filter:UFP:Transfer:Fusing	ENG	[0 to 255 / 255 / 1days]
7-951-141	Remain Day Counter: Pages	Filter:UFP:Pressure Roller	ENG	[0 to 255 / 255 / 1days]
7-951-142	Remain Day Counter: Pages	Waste Toner Bottle	ENG	[0 to 255 / 255 / 1days]
7-951-143	Remain Day Counter: Pages	Filter:UFP:Fusing:Exit	ENG	[0 to 255 / 255 / 1days]
7-951-145	Remain Day Counter: Pages	#Tray1 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-951-146	Remain Day Counter: Pages	Pick-up Roller-Tray1	ENG	[0 to 255 / 255 / 1days]
7-951-147	Remain Day Counter: Pages	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-148	Remain Day Counter: Pages	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-151	Remain Day Counter: Pages	#Tray2 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-951-152	Remain Day Counter: Pages	Pick-up Roller-Tray2	ENG	[0 to 255 / 255 / 1days]
7-951-153	Remain Day Counter: Pages	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-154	Remain Day Counter: Pages	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-157	Remain Day Counter: Pages	#Tray3 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	Pick-up Roller-Tray3	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
158	Pages			
7-951-159	Remain Day Counter: Pages	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-160	Remain Day Counter: Pages	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-163	Remain Day Counter: Pages	#Tray4 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-951-164	Remain Day Counter: Pages	Pick-up Roller-Tray4	ENG	[0 to 255 / 255 / 1days]
7-951-165	Remain Day Counter: Pages	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-166	Remain Day Counter: Pages	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-169	Remain Day Counter: Pages	#Feed Roller:Bypass	ENG	[0 to 255 / 255 / 1days]
7-951-170	Remain Day Counter: Pages	Feed Roller:Bypass:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-951-171	Remain Day Counter: Pages	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-172	Remain Day Counter: Pages	Feed Roller:Bypass:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-175	Remain Day Counter: Pages	#Feed Roller:A3LCT	ENG	[0 to 255 / 255 / 1days]
7-951-176	Remain Day Counter: Pages	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-951-177	Remain Day Counter: Pages	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-178	Remain Day Counter: Pages	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-181	Remain Day Counter: Pages	#Feed Roller:A4LCT	ENG	[0 to 255 / 255 / 1days]
7-951-182	Remain Day Counter: Pages	Feed Roller:A4LCT:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-951-183	Remain Day Counter: Pages	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-951-	Remain Day Counter:	Feed Roller:A4LCT:Separation	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
184	Pages	Roller		
7-951-187	Remain Day Counter: Pages	#Inserter Feed:Tray 1	ENG	[0 to 255 / 255 / 1days]
7-951-188	Remain Day Counter: Pages	Inserter:Tray1:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-951-189	Remain Day Counter: Pages	Inserter:Tray1:Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-951-190	Remain Day Counter: Pages	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / 255 / 1days]
7-951-193	Remain Day Counter: Pages	#Inserter Feed:Tray 2	ENG	[0 to 255 / 255 / 1days]
7-951-194	Remain Day Counter: Pages	Inserter:Tray2:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-951-195	Remain Day Counter: Pages	Inserter:Tray2:Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-951-196	Remain Day Counter: Pages	Inserter:Tray2:Separate Roller	ENG	[0 to 255 / 255 / 1days]
7-951-199	Remain Day Counter: Pages	#Interposer	ENG	[0 to 255 / 255 / 1days]
7-951-200	Remain Day Counter: Pages	Feed Belt:Interposer	ENG	[0 to 255 / 255 / 1days]
7-951-201	Remain Day Counter: Pages	Separation Roller:Interposer	ENG	[0 to 255 / 255 / 1days]
7-951-202	Remain Day Counter: Pages	Pick-up Roller:Interposer	ENG	[0 to 255 / 255 / 1days]
7-951-205	Remain Day Counter: Pages	#ADF	ENG	[0 to 255 / 255 / 1days]
7-951-206	Remain Day Counter: Pages	ADF Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-951-207	Remain Day Counter: Pages	ADF Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-951-208	Remain Day Counter: Pages	ADF Pick-up Roller	ENG	[0 to 255 / 255 / 1days]
7-952-003	Remain Day Counter: Distance	#K_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-952-	Remain Day Counter:	Development: Bk	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Distance			
7-952-005	Remain Day Counter: Distance	Development Filter:K	ENG	[0 to 255 / 255 / 1days]
7-952-008	Remain Day Counter: Distance	#Cleaning Unit: K	ENG	[0 to 255 / 255 / 1days]
7-952-009	Remain Day Counter: Distance	K_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-010	Remain Day Counter: Distance	K_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-952-011	Remain Day Counter: Distance	Lubricant Bar: K	ENG	[0 to 255 / 255 / 1days]
7-952-012	Remain Day Counter: Distance	K_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-952-013	Remain Day Counter: Distance	Brash Drive Joint:K	ENG	[0 to 255 / 255 / 1days]
7-952-014	Remain Day Counter: Distance	Gears:K	ENG	[0 to 255 / 255 / 1days]
7-952-017	Remain Day Counter: Distance	#K_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-952-021	Remain Day Counter: Distance	#PCU:K	ENG	[0 to 255 / 255 / 1days]
7-952-026	Remain Day Counter: Distance	#C_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-952-027	Remain Day Counter: Distance	Development: C	ENG	[0 to 255 / 255 / 1days]
7-952-028	Remain Day Counter: Distance	Development Filter:C	ENG	[0 to 255 / 255 / 1days]
7-952-031	Remain Day Counter: Distance	#Cleaning Unit: C	ENG	[0 to 255 / 255 / 1days]
7-952-032	Remain Day Counter: Distance	C_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-033	Remain Day Counter: Distance	C_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-952-034	Remain Day Counter: Distance	Lubricant Bar: C	ENG	[0 to 255 / 255 / 1days]
7-952-	Remain Day Counter:	C_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	Distance			
7-952-036	Remain Day Counter: Distance	Brash Drive Joint:C	ENG	[0 to 255 / 255 / 1days]
7-952-037	Remain Day Counter: Distance	Gears:C	ENG	[0 to 255 / 255 / 1days]
7-952-040	Remain Day Counter: Distance	#C_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-952-044	Remain Day Counter: Distance	#PCU:C	ENG	[0 to 255 / 255 / 1days]
7-952-049	Remain Day Counter: Distance	#M_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-952-050	Remain Day Counter: Distance	Development: M	ENG	[0 to 255 / 255 / 1days]
7-952-051	Remain Day Counter: Distance	Development Filter:M	ENG	[0 to 255 / 255 / 1days]
7-952-054	Remain Day Counter: Distance	#Cleaning Unit: M	ENG	[0 to 255 / 255 / 1days]
7-952-055	Remain Day Counter: Distance	M_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-056	Remain Day Counter: Distance	M_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-952-057	Remain Day Counter: Distance	Lubricant Bar: M	ENG	[0 to 255 / 255 / 1days]
7-952-058	Remain Day Counter: Distance	M_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-952-059	Remain Day Counter: Distance	Brash Drive Joint:M	ENG	[0 to 255 / 255 / 1days]
7-952-060	Remain Day Counter: Distance	Gears:M	ENG	[0 to 255 / 255 / 1days]
7-952-063	Remain Day Counter: Distance	#M_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-952-067	Remain Day Counter: Distance	#PCU:M	ENG	[0 to 255 / 255 / 1days]
7-952-072	Remain Day Counter: Distance	#Y_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-952-	Remain Day Counter:	Development: Y	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
073	Distance			
7-952-074	Remain Day Counter: Distance	Development Filter:Y	ENG	[0 to 255 / 255 / 1days]
7-952-077	Remain Day Counter: Distance	#Cleaning Unit: Y	ENG	[0 to 255 / 255 / 1days]
7-952-078	Remain Day Counter: Distance	Y_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-079	Remain Day Counter: Distance	Y_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-952-080	Remain Day Counter: Distance	Lubricant Bar: Y	ENG	[0 to 255 / 255 / 1days]
7-952-081	Remain Day Counter: Distance	Y_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-952-082	Remain Day Counter: Distance	Brash Drive Joint:Y	ENG	[0 to 255 / 255 / 1days]
7-952-083	Remain Day Counter: Distance	Gears:Y	ENG	[0 to 255 / 255 / 1days]
7-952-086	Remain Day Counter: Distance	#Y_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-952-090	Remain Day Counter: Distance	#PCU:Y	ENG	[0 to 255 / 255 / 1days]
7-952-093	Remain Day Counter: Distance	#Image Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-952-094	Remain Day Counter: Distance	ITB(Image Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-952-095	Remain Day Counter: Distance	ITB Roller: K	ENG	[0 to 255 / 255 / 1days]
7-952-096	Remain Day Counter: Distance	ITB Roller: C	ENG	[0 to 255 / 255 / 1days]
7-952-097	Remain Day Counter: Distance	ITB Roller: M	ENG	[0 to 255 / 255 / 1days]
7-952-098	Remain Day Counter: Distance	ITB Roller: Y	ENG	[0 to 255 / 255 / 1days]
7-952-099	Remain Day Counter: Distance	ITB Bias Roller	ENG	[0 to 255 / 255 / 1days]
7-952-	Remain Day Counter:	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
102	Distance			
7-952-103	Remain Day Counter: Distance	ITB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-104	Remain Day Counter: Distance	Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-952-105	Remain Day Counter: Distance	Lubrication: Belt Cleanig	ENG	[0 to 255 / 255 / 1days]
7-952-106	Remain Day Counter: Distance	Lube Application Blade	ENG	[0 to 255 / 255 / 1days]
7-952-109	Remain Day Counter: Distance	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-952-110	Remain Day Counter: Distance	PTB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-952-111	Remain Day Counter: Distance	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-952-114	Remain Day Counter: Distance	#Fusing	ENG	[0 to 255 / 255 / 1days]
7-952-115	Remain Day Counter: Distance	#Fusing Unit	ENG	[0 to 255 / 255 / 1days]
7-952-116	Remain Day Counter: Distance	Fusing Belt	ENG	[0 to 255 / 255 / 1days]
7-952-117	Remain Day Counter: Distance	Hot Roller	ENG	[0 to 255 / 255 / 1days]
7-952-118	Remain Day Counter: Distance	Pressure Roller	ENG	[0 to 255 / 255 / 1days]
7-952-119	Remain Day Counter: Distance	Pressure Roller Bearings	ENG	[0 to 255 / 255 / 1days]
7-952-126	Remain Day Counter: Distance	Web Cleaning Roller	ENG	[0 to 255 / 255 / 1days]
7-952-127	Remain Day Counter: Distance	Web Roller Stopper	ENG	[0 to 255 / 255 / 1days]
7-954-003	Pg Counter(%)	#K_Development Unit	ENG	[0 to 255 / 0 / 1]
7-954-004	Pg Counter(%)	Development: Bk	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Development Filter:K	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
7-954-008	Pg Counter(%)	#Cleaning Unit: K	ENG	[0 to 255 / 0 / 1]
7-954-009	Pg Counter(%)	K_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-010	Pg Counter(%)	K_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-954-011	Pg Counter(%)	Lubricant Bar: K	ENG	[0 to 255 / 0 / 1]
7-954-012	Pg Counter(%)	K_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-954-013	Pg Counter(%)	Brash Drive Joint:K	ENG	[0 to 255 / 0 / 1]
7-954-014	Pg Counter(%)	Gears:K	ENG	[0 to 255 / 0 / 1]
7-954-017	Pg Counter(%)	#K_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-954-021	Pg Counter(%)	#PCU:K	ENG	[0 to 255 / 0 / 1]
7-954-026	Pg Counter(%)	#C_Development Unit	ENG	[0 to 255 / 0 / 1]
7-954-027	Pg Counter(%)	Development: C	ENG	[0 to 255 / 0 / 1]
7-954-028	Pg Counter(%)	Development Filter:C	ENG	[0 to 255 / 0 / 1]
7-954-031	Pg Counter(%)	#Cleaning Unit: C	ENG	[0 to 255 / 0 / 1]
7-954-032	Pg Counter(%)	C_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-033	Pg Counter(%)	C_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-954-034	Pg Counter(%)	Lubricant Bar: C	ENG	[0 to 255 / 0 / 1]
7-954-035	Pg Counter(%)	C_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Brash Drive Joint:C	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
036				
7-954-037	Pg Counter(%)	Gears:C	ENG	[0 to 255 / 0 / 1]
7-954-040	Pg Counter(%)	#C_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-954-044	Pg Counter(%)	#PCU:C	ENG	[0 to 255 / 0 / 1]
7-954-049	Pg Counter(%)	#M_Development Unit	ENG	[0 to 255 / 0 / 1]
7-954-050	Pg Counter(%)	Development: M	ENG	[0 to 255 / 0 / 1]
7-954-051	Pg Counter(%)	Development Filter:M	ENG	[0 to 255 / 0 / 1]
7-954-054	Pg Counter(%)	#Cleaning Unit: M	ENG	[0 to 255 / 0 / 1]
7-954-055	Pg Counter(%)	M_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-056	Pg Counter(%)	M_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-954-057	Pg Counter(%)	Lubricant Bar: M	ENG	[0 to 255 / 0 / 1]
7-954-058	Pg Counter(%)	M_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-954-059	Pg Counter(%)	Brash Drive Joint:M	ENG	[0 to 255 / 0 / 1]
7-954-060	Pg Counter(%)	Gears:M	ENG	[0 to 255 / 0 / 1]
7-954-063	Pg Counter(%)	#M_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-954-067	Pg Counter(%)	#PCU:M	ENG	[0 to 255 / 0 / 1]
7-954-072	Pg Counter(%)	#Y_Development Unit	ENG	[0 to 255 / 0 / 1]
7-954-073	Pg Counter(%)	Development: Y	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Development Filter:Y	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
074				
7-954-077	Pg Counter(%)	#Cleaning Unit: Y	ENG	[0 to 255 / 0 / 1]
7-954-078	Pg Counter(%)	Y_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-079	Pg Counter(%)	Y_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-954-080	Pg Counter(%)	Lubricant Bar: Y	ENG	[0 to 255 / 0 / 1]
7-954-081	Pg Counter(%)	Y_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-954-082	Pg Counter(%)	Brash Drive Joint:Y	ENG	[0 to 255 / 0 / 1]
7-954-083	Pg Counter(%)	Gears:Y	ENG	[0 to 255 / 0 / 1]
7-954-086	Pg Counter(%)	#Y_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-954-090	Pg Counter(%)	#PCU:Y	ENG	[0 to 255 / 0 / 1]
7-954-093	Pg Counter(%)	#Image Transfer Unit	ENG	[0 to 255 / 0 / 1]
7-954-094	Pg Counter(%)	ITB(Image Transfer Belt)	ENG	[0 to 255 / 0 / 1]
7-954-095	Pg Counter(%)	ITB Roller: K	ENG	[0 to 255 / 0 / 1]
7-954-096	Pg Counter(%)	ITB Roller: C	ENG	[0 to 255 / 0 / 1]
7-954-097	Pg Counter(%)	ITB Roller: M	ENG	[0 to 255 / 0 / 1]
7-954-098	Pg Counter(%)	ITB Roller: Y	ENG	[0 to 255 / 0 / 1]
7-954-099	Pg Counter(%)	ITB Bias Roller	ENG	[0 to 255 / 0 / 1]
7-954-102	Pg Counter(%)	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
7-954-104	Pg Counter(%)	Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-954-105	Pg Counter(%)	Lubrication: Belt Cleanig	ENG	[0 to 255 / 0 / 1]
7-954-106	Pg Counter(%)	Lube Application Blade	ENG	[0 to 255 / 0 / 1]
7-954-109	Pg Counter(%)	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1]
7-954-110	Pg Counter(%)	PTB Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-111	Pg Counter(%)	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 0 / 1]
7-954-114	Pg Counter(%)	#Fusing	ENG	[0 to 255 / 0 / 1]
7-954-115	Pg Counter(%)	#Fusing Unit	ENG	[0 to 255 / 0 / 1]
7-954-116	Pg Counter(%)	Fusing Belt	ENG	[0 to 255 / 0 / 1]
7-954-117	Pg Counter(%)	Hot Roller	ENG	[0 to 255 / 0 / 1]
7-954-118	Pg Counter(%)	Pressure Roller	ENG	[0 to 255 / 0 / 1]
7-954-119	Pg Counter(%)	Pressure Roller Bearings	ENG	[0 to 255 / 0 / 1]
7-954-126	Pg Counter(%)	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1]
7-954-127	Pg Counter(%)	Web Roller Stopper	ENG	[0 to 255 / 0 / 1]
7-954-130	Pg Counter(%)	#Main Unit Filters	ENG	[0 to 255 / 0 / 1]
7-954-131	Pg Counter(%)	Dust Filter:Large	ENG	[0 to 255 / 0 / 1]
7-954-132	Pg Counter(%)	Dust Filter:Small	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Ozone Filter	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
133				
7-954-134	Pg Counter(%)	Deodorant Filter:Large	ENG	[0 to 255 / 0 / 1]
7-954-135	Pg Counter(%)	Deodorant Filter:Small	ENG	[0 to 255 / 0 / 1]
7-954-140	Pg Counter(%)	Filter:UFP:Transfer:Fusing	ENG	[0 to 255 / 0 / 1]
7-954-141	Pg Counter(%)	Filter:UFP:Pressure Roller	ENG	[0 to 255 / 0 / 1]
7-954-142	Pg Counter(%)	Waste Toner Bottle	ENG	[0 to 255 / 0 / 1]
7-954-143	Pg Counter(%)	Filter:UFP:Fusing:Exit	ENG	[0 to 255 / 0 / 1]
7-954-145	Pg Counter(%)	#Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-146	Pg Counter(%)	Pick-up Roller-Tray1	ENG	[0 to 255 / 0 / 1]
7-954-147	Pg Counter(%)	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-148	Pg Counter(%)	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-151	Pg Counter(%)	#Tray2 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-152	Pg Counter(%)	Pick-up Roller-Tray2	ENG	[0 to 255 / 0 / 1]
7-954-153	Pg Counter(%)	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-154	Pg Counter(%)	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-157	Pg Counter(%)	#Tray3 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-158	Pg Counter(%)	Pick-up Roller-Tray3	ENG	[0 to 255 / 0 / 1]
7-954-159	Pg Counter(%)	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Feed Roller:Tray 3:Separation	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160		Roller		
7-954-163	Pg Counter(%)	#Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-164	Pg Counter(%)	Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-165	Pg Counter(%)	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-166	Pg Counter(%)	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-169	Pg Counter(%)	#Feed Roller:Bypass	ENG	[0 to 255 / 0 / 1]
7-954-170	Pg Counter(%)	Feed Roller:Bypass:Pick-up	ENG	[0 to 255 / 0 / 1]
7-954-171	Pg Counter(%)	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-172	Pg Counter(%)	Feed Roller:Bypass:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-175	Pg Counter(%)	#Feed Roller:A3LCT	ENG	[0 to 255 / 0 / 1]
7-954-176	Pg Counter(%)	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / 0 / 1]
7-954-177	Pg Counter(%)	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-178	Pg Counter(%)	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-181	Pg Counter(%)	#Feed Roller:A4LCT	ENG	[0 to 255 / 0 / 1]
7-954-182	Pg Counter(%)	Feed Roller:A4LCT:Pick-up	ENG	[0 to 255 / 0 / 1]
7-954-183	Pg Counter(%)	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-954-184	Pg Counter(%)	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-187	Pg Counter(%)	#Inserter Feed:Tray 1	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Inserter:Tray1:Pick-up	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
188				
7-954-189	Pg Counter(%)	Inserter:Tray1:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-190	Pg Counter(%)	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / 0 / 1]
7-954-193	Pg Counter(%)	#Inserter Feed:Tray 2	ENG	[0 to 255 / 0 / 1]
7-954-194	Pg Counter(%)	Inserter:Tray2:Pick-up	ENG	[0 to 255 / 0 / 1]
7-954-195	Pg Counter(%)	Inserter:Tray2:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-196	Pg Counter(%)	Inserter:Tray2:Separate Roller	ENG	[0 to 255 / 0 / 1]
7-954-199	Pg Counter(%)	#Interposer	ENG	[0 to 255 / 0 / 1]
7-954-200	Pg Counter(%)	Feed Belt:Interposer	ENG	[0 to 255 / 0 / 1]
7-954-201	Pg Counter(%)	Separation Roller:Interposer	ENG	[0 to 255 / 0 / 1]
7-954-202	Pg Counter(%)	Pick-up Roller:Interposer	ENG	[0 to 255 / 0 / 1]
7-954-205	Pg Counter(%)	#ADF	ENG	[0 to 255 / 0 / 1]
7-954-206	Pg Counter(%)	ADF Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-207	Pg Counter(%)	ADF Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-208	Pg Counter(%)	ADF Pick-up Roller	ENG	[0 to 255 / 0 / 1]
7-955-003	Estimated Remain Pages	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-004	Estimated Remain Pages	Development: Bk	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-005	Estimated Remain Pages	Development Filter:K	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-	Estimated Remain Pages	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				1 sheet]
7-955-009	Estimated Remain Pages	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-010	Estimated Remain Pages	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-011	Estimated Remain Pages	Lubricant Bar: K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-012	Estimated Remain Pages	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-013	Estimated Remain Pages	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-014	Estimated Remain Pages	Gears:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-017	Estimated Remain Pages	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-021	Estimated Remain Pages	#PCU:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-026	Estimated Remain Pages	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-027	Estimated Remain Pages	Development: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-028	Estimated Remain Pages	Development Filter:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-031	Estimated Remain Pages	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-032	Estimated Remain Pages	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-033	Estimated Remain Pages	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-034	Estimated Remain Pages	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-035	Estimated Remain Pages	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-036	Estimated Remain Pages	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	Gears:C	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
037				1 sheet]
7-955-040	Estimated Remain Pages	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-044	Estimated Remain Pages	#PCU:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-049	Estimated Remain Pages	#M_Development Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-050	Estimated Remain Pages	Development: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-051	Estimated Remain Pages	Development Filter:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-054	Estimated Remain Pages	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-055	Estimated Remain Pages	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-056	Estimated Remain Pages	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-057	Estimated Remain Pages	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-058	Estimated Remain Pages	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-059	Estimated Remain Pages	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-060	Estimated Remain Pages	Gears:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-063	Estimated Remain Pages	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-067	Estimated Remain Pages	#PCU:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-072	Estimated Remain Pages	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-073	Estimated Remain Pages	Development: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-074	Estimated Remain Pages	Development Filter:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
077				1 sheet]
7-955-078	Estimated Remain Pages	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-079	Estimated Remain Pages	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-080	Estimated Remain Pages	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-081	Estimated Remain Pages	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-082	Estimated Remain Pages	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-083	Estimated Remain Pages	Gears:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-086	Estimated Remain Pages	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-090	Estimated Remain Pages	#PCU:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-093	Estimated Remain Pages	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-094	Estimated Remain Pages	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-095	Estimated Remain Pages	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-096	Estimated Remain Pages	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-097	Estimated Remain Pages	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-098	Estimated Remain Pages	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-099	Estimated Remain Pages	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-102	Estimated Remain Pages	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-103	Estimated Remain Pages	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	Lubricant Brush	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104				1 sheet]
7-955-105	Estimated Remain Pages	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-106	Estimated Remain Pages	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-109	Estimated Remain Pages	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-110	Estimated Remain Pages	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-111	Estimated Remain Pages	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-114	Estimated Remain Pages	#Fusing	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-115	Estimated Remain Pages	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-116	Estimated Remain Pages	Fusing Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-117	Estimated Remain Pages	Hot Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-118	Estimated Remain Pages	Pressure Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-119	Estimated Remain Pages	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-126	Estimated Remain Pages	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-127	Estimated Remain Pages	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-130	Estimated Remain Pages	#Main Unit Filters	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-131	Estimated Remain Pages	Dust Filter:Large	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-132	Estimated Remain Pages	Dust Filter:Small	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-133	Estimated Remain Pages	Ozone Filter	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	Deodorant Filter:Large	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
134				1 sheet]
7-955-135	Estimated Remain Pages	Deodorant Filter:Small	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-140	Estimated Remain Pages	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-141	Estimated Remain Pages	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-143	Estimated Remain Pages	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-145	Estimated Remain Pages	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-146	Estimated Remain Pages	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-147	Estimated Remain Pages	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-148	Estimated Remain Pages	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-151	Estimated Remain Pages	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-152	Estimated Remain Pages	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-153	Estimated Remain Pages	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-154	Estimated Remain Pages	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-157	Estimated Remain Pages	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-158	Estimated Remain Pages	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-159	Estimated Remain Pages	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-160	Estimated Remain Pages	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-163	Estimated Remain Pages	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
164				1 sheet]
7-955-165	Estimated Remain Pages	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-166	Estimated Remain Pages	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-169	Estimated Remain Pages	#Feed Roller:Bypass	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-170	Estimated Remain Pages	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-171	Estimated Remain Pages	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-172	Estimated Remain Pages	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-175	Estimated Remain Pages	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-176	Estimated Remain Pages	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-177	Estimated Remain Pages	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-178	Estimated Remain Pages	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-181	Estimated Remain Pages	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-182	Estimated Remain Pages	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-183	Estimated Remain Pages	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-184	Estimated Remain Pages	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-187	Estimated Remain Pages	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-188	Estimated Remain Pages	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-189	Estimated Remain Pages	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-	Estimated Remain Pages	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
190				1 sheet]
7-955-193	Estimated Remain Pages	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-194	Estimated Remain Pages	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-195	Estimated Remain Pages	Inserter:Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-196	Estimated Remain Pages	Inserter:Tray2:Separate Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-199	Estimated Remain Pages	#Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-200	Estimated Remain Pages	Feed Belt:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-201	Estimated Remain Pages	Separation Roller:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-202	Estimated Remain Pages	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-205	Estimated Remain Pages	#ADF	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-206	Estimated Remain Pages	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-207	Estimated Remain Pages	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-955-208	Estimated Remain Pages	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-956-003	Estimated Remain Days	#K_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-956-004	Estimated Remain Days	Development: Bk	ENG	[0 to 255 / 255 / 1days]
7-956-005	Estimated Remain Days	Development Filter:K	ENG	[0 to 255 / 255 / 1days]
7-956-008	Estimated Remain Days	#Cleaning Unit: K	ENG	[0 to 255 / 255 / 1days]
7-956-009	Estimated Remain Days	K_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	K_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
7-956-011	Estimated Remain Days	Lubricant Bar: K	ENG	[0 to 255 / 255 / 1days]
7-956-012	Estimated Remain Days	K_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-956-013	Estimated Remain Days	Brash Drive Joint:K	ENG	[0 to 255 / 255 / 1days]
7-956-014	Estimated Remain Days	Gears:K	ENG	[0 to 255 / 255 / 1days]
7-956-017	Estimated Remain Days	#K_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-956-021	Estimated Remain Days	#PCU:K	ENG	[0 to 255 / 255 / 1days]
7-956-026	Estimated Remain Days	#C_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-956-027	Estimated Remain Days	Development: C	ENG	[0 to 255 / 255 / 1days]
7-956-028	Estimated Remain Days	Development Filter:C	ENG	[0 to 255 / 255 / 1days]
7-956-031	Estimated Remain Days	#Cleaning Unit: C	ENG	[0 to 255 / 255 / 1days]
7-956-032	Estimated Remain Days	C_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-033	Estimated Remain Days	C_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-956-034	Estimated Remain Days	Lubricant Bar: C	ENG	[0 to 255 / 255 / 1days]
7-956-035	Estimated Remain Days	C_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-956-036	Estimated Remain Days	Brash Drive Joint:C	ENG	[0 to 255 / 255 / 1days]
7-956-037	Estimated Remain Days	Gears:C	ENG	[0 to 255 / 255 / 1days]
7-956-040	Estimated Remain Days	#C_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	#PCU:C	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
044				
7-956-049	Estimated Remain Days	#M_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-956-050	Estimated Remain Days	Development: M	ENG	[0 to 255 / 255 / 1days]
7-956-051	Estimated Remain Days	Development Filter:M	ENG	[0 to 255 / 255 / 1days]
7-956-054	Estimated Remain Days	#Cleaning Unit: M	ENG	[0 to 255 / 255 / 1days]
7-956-055	Estimated Remain Days	M_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-056	Estimated Remain Days	M_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-956-057	Estimated Remain Days	Lubricant Bar: M	ENG	[0 to 255 / 255 / 1days]
7-956-058	Estimated Remain Days	M_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-956-059	Estimated Remain Days	Brash Drive Joint:M	ENG	[0 to 255 / 255 / 1days]
7-956-060	Estimated Remain Days	Gears:M	ENG	[0 to 255 / 255 / 1days]
7-956-063	Estimated Remain Days	#M_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-956-067	Estimated Remain Days	#PCU:M	ENG	[0 to 255 / 255 / 1days]
7-956-072	Estimated Remain Days	#Y_Development Unit	ENG	[0 to 255 / 255 / 1days]
7-956-073	Estimated Remain Days	Development: Y	ENG	[0 to 255 / 255 / 1days]
7-956-074	Estimated Remain Days	Development Filter:Y	ENG	[0 to 255 / 255 / 1days]
7-956-077	Estimated Remain Days	#Cleaning Unit: Y	ENG	[0 to 255 / 255 / 1days]
7-956-078	Estimated Remain Days	Y_Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	Y_Lubricant Brush	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
079				
7-956-080	Estimated Remain Days	Lubricant Bar: Y	ENG	[0 to 255 / 255 / 1days]
7-956-081	Estimated Remain Days	Y_Lubricant Blade	ENG	[0 to 255 / 255 / 1days]
7-956-082	Estimated Remain Days	Brash Drive Joint:Y	ENG	[0 to 255 / 255 / 1days]
7-956-083	Estimated Remain Days	Gears:Y	ENG	[0 to 255 / 255 / 1days]
7-956-086	Estimated Remain Days	#Y_Charge Roller Unit	ENG	[0 to 255 / 255 / 1days]
7-956-090	Estimated Remain Days	#PCU:Y	ENG	[0 to 255 / 255 / 1days]
7-956-093	Estimated Remain Days	#Image Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-956-094	Estimated Remain Days	ITB(Image Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-956-095	Estimated Remain Days	ITB Roller: K	ENG	[0 to 255 / 255 / 1days]
7-956-096	Estimated Remain Days	ITB Roller: C	ENG	[0 to 255 / 255 / 1days]
7-956-097	Estimated Remain Days	ITB Roller: M	ENG	[0 to 255 / 255 / 1days]
7-956-098	Estimated Remain Days	ITB Roller: Y	ENG	[0 to 255 / 255 / 1days]
7-956-099	Estimated Remain Days	ITB Bias Roller	ENG	[0 to 255 / 255 / 1days]
7-956-102	Estimated Remain Days	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1days]
7-956-103	Estimated Remain Days	ITB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-104	Estimated Remain Days	Lubricant Brush	ENG	[0 to 255 / 255 / 1days]
7-956-105	Estimated Remain Days	Lubrication: Belt Cleanig	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	Lube Application Blade	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
7-956-109	Estimated Remain Days	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1days]
7-956-110	Estimated Remain Days	PTB Cleaning Blade	ENG	[0 to 255 / 255 / 1days]
7-956-111	Estimated Remain Days	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 255 / 1days]
7-956-114	Estimated Remain Days	#Fusing	ENG	[0 to 255 / 255 / 1days]
7-956-115	Estimated Remain Days	#Fusing Unit	ENG	[0 to 255 / 255 / 1days]
7-956-116	Estimated Remain Days	Fusing Belt	ENG	[0 to 255 / 255 / 1days]
7-956-117	Estimated Remain Days	Hot Roller	ENG	[0 to 255 / 255 / 1days]
7-956-118	Estimated Remain Days	Pressure Roller	ENG	[0 to 255 / 255 / 1days]
7-956-119	Estimated Remain Days	Pressure Roller Bearings	ENG	[0 to 255 / 255 / 1days]
7-956-126	Estimated Remain Days	Web Cleaning Roller	ENG	[0 to 255 / 255 / 1days]
7-956-127	Estimated Remain Days	Web Roller Stopper	ENG	[0 to 255 / 255 / 1days]
7-956-130	Estimated Remain Days	#Main Unit Filters	ENG	[0 to 255 / 255 / 1days]
7-956-131	Estimated Remain Days	Dust Filter:Large	ENG	[0 to 255 / 255 / 1days]
7-956-132	Estimated Remain Days	Dust Filter:Small	ENG	[0 to 255 / 255 / 1days]
7-956-133	Estimated Remain Days	Ozone Filter	ENG	[0 to 255 / 255 / 1days]
7-956-134	Estimated Remain Days	Deodorant Filter:Large	ENG	[0 to 255 / 255 / 1days]
7-956-135	Estimated Remain Days	Deodorant Filter:Small	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	Filter:UFP:Transfer:Fusing	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140				
7-956-141	Estimated Remain Days	Filter:UFP:Pressure Roller	ENG	[0 to 255 / 255 / 1days]
7-956-142	Estimated Remain Days	Waste Toner Bottle	ENG	[0 to 255 / 255 / 1days]
7-956-143	Estimated Remain Days	Filter:UFP:Fusing:Exit	ENG	[0 to 255 / 255 / 1days]
7-956-145	Estimated Remain Days	#Tray1 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-956-146	Estimated Remain Days	Pick-up Roller-Tray1	ENG	[0 to 255 / 255 / 1days]
7-956-147	Estimated Remain Days	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-148	Estimated Remain Days	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-151	Estimated Remain Days	#Tray2 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-956-152	Estimated Remain Days	Pick-up Roller-Tray2	ENG	[0 to 255 / 255 / 1days]
7-956-153	Estimated Remain Days	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-154	Estimated Remain Days	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-157	Estimated Remain Days	#Tray3 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-956-158	Estimated Remain Days	Pick-up Roller-Tray3	ENG	[0 to 255 / 255 / 1days]
7-956-159	Estimated Remain Days	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-160	Estimated Remain Days	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-163	Estimated Remain Days	#Tray4 Roller Assembly	ENG	[0 to 255 / 255 / 1days]
7-956-164	Estimated Remain Days	Pick-up Roller-Tray4	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	Feed Roller:Tray 4:Feeding	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165		Roller		
7-956-166	Estimated Remain Days	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-169	Estimated Remain Days	#Feed Roller:Bypass	ENG	[0 to 255 / 255 / 1days]
7-956-170	Estimated Remain Days	Feed Roller:Bypass:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-956-171	Estimated Remain Days	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-172	Estimated Remain Days	Feed Roller:Bypass:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-175	Estimated Remain Days	#Feed Roller:A3LCT	ENG	[0 to 255 / 255 / 1days]
7-956-176	Estimated Remain Days	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-956-177	Estimated Remain Days	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-178	Estimated Remain Days	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-181	Estimated Remain Days	#Feed Roller:A4LCT	ENG	[0 to 255 / 255 / 1days]
7-956-182	Estimated Remain Days	Feed Roller:A4LCT:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-956-183	Estimated Remain Days	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / 255 / 1days]
7-956-184	Estimated Remain Days	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-187	Estimated Remain Days	#Inserter Feed:Tray 1	ENG	[0 to 255 / 255 / 1days]
7-956-188	Estimated Remain Days	Inserter:Tray1:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-956-189	Estimated Remain Days	Inserter:Tray1:Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-956-190	Estimated Remain Days	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / 255 / 1days]
7-956-	Estimated Remain Days	#Inserter Feed:Tray 2	ENG	[0 to 255 / 255 / 1days]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
193				
7-956-194	Estimated Remain Days	Inserter:Tray2:Pick-up	ENG	[0 to 255 / 255 / 1days]
7-956-195	Estimated Remain Days	Inserter:Tray2:Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-956-196	Estimated Remain Days	Inserter:Tray2:Separate Roller	ENG	[0 to 255 / 255 / 1days]
7-956-199	Estimated Remain Days	#Interposer	ENG	[0 to 255 / 255 / 1days]
7-956-200	Estimated Remain Days	Feed Belt:Interposer	ENG	[0 to 255 / 255 / 1days]
7-956-201	Estimated Remain Days	Separation Roller:Interposer	ENG	[0 to 255 / 255 / 1days]
7-956-202	Estimated Remain Days	Pick-up Roller:Interposer	ENG	[0 to 255 / 255 / 1days]
7-956-205	Estimated Remain Days	#ADF	ENG	[0 to 255 / 255 / 1days]
7-956-206	Estimated Remain Days	ADF Feed Belt	ENG	[0 to 255 / 255 / 1days]
7-956-207	Estimated Remain Days	ADF Separation Roller	ENG	[0 to 255 / 255 / 1days]
7-956-208	Estimated Remain Days	ADF Pick-up Roller	ENG	[0 to 255 / 255 / 1days]
7-957-003	Monthly Average Pages	#K_Development Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-004	Monthly Average Pages	Development: Bk	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-005	Monthly Average Pages	Development Filter:K	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-008	Monthly Average Pages	#Cleaning Unit: K	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-009	Monthly Average Pages	K_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-010	Monthly Average Pages	K_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-	Monthly Average Pages	Lubricant Bar: K	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				1 sheet]
7-957-012	Monthly Average Pages	K_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-013	Monthly Average Pages	Brash Drive Joint:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-014	Monthly Average Pages	Gears:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-017	Monthly Average Pages	#K_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-021	Monthly Average Pages	#PCU:K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-026	Monthly Average Pages	#C_Development Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-027	Monthly Average Pages	Development: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-028	Monthly Average Pages	Development Filter:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-031	Monthly Average Pages	#Cleaning Unit: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-032	Monthly Average Pages	C_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-033	Monthly Average Pages	C_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-034	Monthly Average Pages	Lubricant Bar: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-035	Monthly Average Pages	C_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-036	Monthly Average Pages	Brash Drive Joint:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-037	Monthly Average Pages	Gears:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-040	Monthly Average Pages	#C_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-044	Monthly Average Pages	#PCU:C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	#M_Development Unit	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				1 sheet]
7-957-050	Monthly Average Pages	Development: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-051	Monthly Average Pages	Development Filter:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-054	Monthly Average Pages	#Cleaning Unit: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-055	Monthly Average Pages	M_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-056	Monthly Average Pages	M_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-057	Monthly Average Pages	Lubricant Bar: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-058	Monthly Average Pages	M_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-059	Monthly Average Pages	Brash Drive Joint:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-060	Monthly Average Pages	Gears:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-063	Monthly Average Pages	#M_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-067	Monthly Average Pages	#PCU:M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-072	Monthly Average Pages	#Y_Development Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-073	Monthly Average Pages	Development: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-074	Monthly Average Pages	Development Filter:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-077	Monthly Average Pages	#Cleaning Unit: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-078	Monthly Average Pages	Y_Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-079	Monthly Average Pages	Y_Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	Lubricant Bar: Y	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080				1 sheet]
7-957-081	Monthly Average Pages	Y_Lubricant Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-082	Monthly Average Pages	Brash Drive Joint:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-083	Monthly Average Pages	Gears:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-086	Monthly Average Pages	#Y_Charge Roller Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-090	Monthly Average Pages	#PCU:Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-093	Monthly Average Pages	#Image Transfer Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-094	Monthly Average Pages	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-095	Monthly Average Pages	ITB Roller: K	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-096	Monthly Average Pages	ITB Roller: C	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-097	Monthly Average Pages	ITB Roller: M	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-098	Monthly Average Pages	ITB Roller: Y	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-099	Monthly Average Pages	ITB Bias Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-102	Monthly Average Pages	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-103	Monthly Average Pages	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-104	Monthly Average Pages	Lubricant Brush	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-105	Monthly Average Pages	Lubrication: Belt Cleanig	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-106	Monthly Average Pages	Lube Application Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
109				1 sheet]
7-957-110	Monthly Average Pages	PTB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-111	Monthly Average Pages	PTB(Paper Transfer Belt)	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-114	Monthly Average Pages	#Fusing	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-115	Monthly Average Pages	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-116	Monthly Average Pages	Fusing Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-117	Monthly Average Pages	Hot Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-118	Monthly Average Pages	Pressure Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-119	Monthly Average Pages	Pressure Roller Bearings	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-126	Monthly Average Pages	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-127	Monthly Average Pages	Web Roller Stopper	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-130	Monthly Average Pages	#Main Unit Filters	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-131	Monthly Average Pages	Dust Filter:Large	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-132	Monthly Average Pages	Dust Filter:Small	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-133	Monthly Average Pages	Ozone Filter	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-134	Monthly Average Pages	Deodorant Filter:Large	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-135	Monthly Average Pages	Deodorant Filter:Small	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-140	Monthly Average Pages	Filter:UFP:Transfer:Fusing	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	Filter:UFP:Pressure Roller	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
141				1 sheet]
7-957-143	Monthly Average Pages	Filter:UFP:Fusing:Exit	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-145	Monthly Average Pages	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-146	Monthly Average Pages	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-147	Monthly Average Pages	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-148	Monthly Average Pages	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-151	Monthly Average Pages	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-152	Monthly Average Pages	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-153	Monthly Average Pages	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-154	Monthly Average Pages	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-157	Monthly Average Pages	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-158	Monthly Average Pages	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-159	Monthly Average Pages	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-160	Monthly Average Pages	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-163	Monthly Average Pages	#Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-164	Monthly Average Pages	Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-165	Monthly Average Pages	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-166	Monthly Average Pages	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	#Feed Roller:Bypass	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
169				1 sheet]
7-957-170	Monthly Average Pages	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-171	Monthly Average Pages	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-172	Monthly Average Pages	Feed Roller:Bypass:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-175	Monthly Average Pages	#Feed Roller:A3LCT	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-176	Monthly Average Pages	Feed Roller:A3LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-177	Monthly Average Pages	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-178	Monthly Average Pages	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-181	Monthly Average Pages	#Feed Roller:A4LCT	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-182	Monthly Average Pages	Feed Roller:A4LCT:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-183	Monthly Average Pages	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-184	Monthly Average Pages	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-187	Monthly Average Pages	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-188	Monthly Average Pages	Inserter:Tray1:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-189	Monthly Average Pages	Inserter:Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-190	Monthly Average Pages	Inserter:Tray1:Separate Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-193	Monthly Average Pages	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-194	Monthly Average Pages	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-	Monthly Average Pages	Inserter:Tray2:Feed Belt	ENG	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
195				1 sheet]
7-957-196	Monthly Average Pages	Inserter:Tray2:Separate Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-199	Monthly Average Pages	#Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-200	Monthly Average Pages	Feed Belt:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-201	Monthly Average Pages	Separation Roller:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-202	Monthly Average Pages	Pick-up Roller:Interposer	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-205	Monthly Average Pages	#ADF	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-206	Monthly Average Pages	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-207	Monthly Average Pages	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-957-208	Monthly Average Pages	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1 sheet]
7-958-142	PM Value Setting:DaysThreshold	Waste Toner Bottle	ENG	[1 to 30 / * / 1days] *MP C6503: 15 *MP C8003: 15 *Pro C5200S: 29 *Pro C5210S: 29
7-960-003	Estimated Usage Rate	#K_Development Unit	ENG	[0 to 255 / 0 / 1]
7-960-004	Estimated Usage Rate	Development: Bk	ENG	[0 to 255 / 0 / 1]
7-960-005	Estimated Usage Rate	Development Filter:K	ENG	[0 to 255 / 0 / 1]
7-960-008	Estimated Usage Rate	#Cleaning Unit: K	ENG	[0 to 255 / 0 / 1]
7-960-009	Estimated Usage Rate	K_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-010	Estimated Usage Rate	K_Lubricant Brush	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-011	Estimated Usage Rate	Lubricant Bar: K	ENG	[0 to 255 / 0 / 1]
7-960-012	Estimated Usage Rate	K_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-960-013	Estimated Usage Rate	Brash Drive Joint:K	ENG	[0 to 255 / 0 / 1]
7-960-014	Estimated Usage Rate	Gears:K	ENG	[0 to 255 / 0 / 1]
7-960-017	Estimated Usage Rate	#K_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-960-021	Estimated Usage Rate	#PCU:K	ENG	[0 to 255 / 0 / 1]
7-960-026	Estimated Usage Rate	#C_Development Unit	ENG	[0 to 255 / 0 / 1]
7-960-027	Estimated Usage Rate	Development: C	ENG	[0 to 255 / 0 / 1]
7-960-028	Estimated Usage Rate	Development Filter:C	ENG	[0 to 255 / 0 / 1]
7-960-031	Estimated Usage Rate	#Cleaning Unit: C	ENG	[0 to 255 / 0 / 1]
7-960-032	Estimated Usage Rate	C_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-033	Estimated Usage Rate	C_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-960-034	Estimated Usage Rate	Lubricant Bar: C	ENG	[0 to 255 / 0 / 1]
7-960-035	Estimated Usage Rate	C_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-960-036	Estimated Usage Rate	Brash Drive Joint:C	ENG	[0 to 255 / 0 / 1]
7-960-037	Estimated Usage Rate	Gears:C	ENG	[0 to 255 / 0 / 1]
7-960-040	Estimated Usage Rate	#C_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-960-044	Estimated Usage Rate	#PCU:C	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-049	Estimated Usage Rate	#M_Development Unit	ENG	[0 to 255 / 0 / 1]
7-960-050	Estimated Usage Rate	Development: M	ENG	[0 to 255 / 0 / 1]
7-960-051	Estimated Usage Rate	Development Filter:M	ENG	[0 to 255 / 0 / 1]
7-960-054	Estimated Usage Rate	#Cleaning Unit: M	ENG	[0 to 255 / 0 / 1]
7-960-055	Estimated Usage Rate	M_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-056	Estimated Usage Rate	M_Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-960-057	Estimated Usage Rate	Lubricant Bar: M	ENG	[0 to 255 / 0 / 1]
7-960-058	Estimated Usage Rate	M_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-960-059	Estimated Usage Rate	Brash Drive Joint:M	ENG	[0 to 255 / 0 / 1]
7-960-060	Estimated Usage Rate	Gears:M	ENG	[0 to 255 / 0 / 1]
7-960-063	Estimated Usage Rate	#M_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-960-067	Estimated Usage Rate	#PCU:M	ENG	[0 to 255 / 0 / 1]
7-960-072	Estimated Usage Rate	#Y_Development Unit	ENG	[0 to 255 / 0 / 1]
7-960-073	Estimated Usage Rate	Development: Y	ENG	[0 to 255 / 0 / 1]
7-960-074	Estimated Usage Rate	Development Filter:Y	ENG	[0 to 255 / 0 / 1]
7-960-077	Estimated Usage Rate	#Cleaning Unit: Y	ENG	[0 to 255 / 0 / 1]
7-960-078	Estimated Usage Rate	Y_Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-079	Estimated Usage Rate	Y_Lubricant Brush	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-080	Estimated Usage Rate	Lubricant Bar: Y	ENG	[0 to 255 / 0 / 1]
7-960-081	Estimated Usage Rate	Y_Lubricant Blade	ENG	[0 to 255 / 0 / 1]
7-960-082	Estimated Usage Rate	Brash Drive Joint:Y	ENG	[0 to 255 / 0 / 1]
7-960-083	Estimated Usage Rate	Gears:Y	ENG	[0 to 255 / 0 / 1]
7-960-086	Estimated Usage Rate	#Y_Charge Roller Unit	ENG	[0 to 255 / 0 / 1]
7-960-090	Estimated Usage Rate	#PCU:Y	ENG	[0 to 255 / 0 / 1]
7-960-093	Estimated Usage Rate	#Image Transfer Unit	ENG	[0 to 255 / 0 / 1]
7-960-094	Estimated Usage Rate	ITB(Image Transfer Belt)	ENG	[0 to 255 / 0 / 1]
7-960-095	Estimated Usage Rate	ITB Roller: K	ENG	[0 to 255 / 0 / 1]
7-960-096	Estimated Usage Rate	ITB Roller: C	ENG	[0 to 255 / 0 / 1]
7-960-097	Estimated Usage Rate	ITB Roller: M	ENG	[0 to 255 / 0 / 1]
7-960-098	Estimated Usage Rate	ITB Roller: Y	ENG	[0 to 255 / 0 / 1]
7-960-099	Estimated Usage Rate	ITB Bias Roller	ENG	[0 to 255 / 0 / 1]
7-960-102	Estimated Usage Rate	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1]
7-960-103	Estimated Usage Rate	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-104	Estimated Usage Rate	Lubricant Brush	ENG	[0 to 255 / 0 / 1]
7-960-105	Estimated Usage Rate	Lubrication: Belt Cleanig	ENG	[0 to 255 / 0 / 1]
7-960-106	Estimated Usage Rate	Lube Application Blade	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-109	Estimated Usage Rate	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1]
7-960-110	Estimated Usage Rate	PTB Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-960-111	Estimated Usage Rate	PTB(Paper Transfer Belt)	ENG	[0 to 255 / 0 / 1]
7-960-114	Estimated Usage Rate	#Fusing	ENG	[0 to 255 / 0 / 1]
7-960-115	Estimated Usage Rate	#Fusing Unit	ENG	[0 to 255 / 0 / 1]
7-960-116	Estimated Usage Rate	Fusing Belt	ENG	[0 to 255 / 0 / 1]
7-960-117	Estimated Usage Rate	Hot Roller	ENG	[0 to 255 / 0 / 1]
7-960-118	Estimated Usage Rate	Pressure Roller	ENG	[0 to 255 / 0 / 1]
7-960-119	Estimated Usage Rate	Pressure Roller Bearings	ENG	[0 to 255 / 0 / 1]
7-960-120	Estimated Usage Rate	Fusing Belt Smoothing Roller	ENG	[0 to 255 / 0 / 1]
7-960-124	Estimated Usage Rate	#Fusing Cleaning Unit	ENG*	[0 to 255 / 0 / 1]
7-960-125	Estimated Usage Rate	Cleaning Web	ENG*	[0 to 255 / 0 / 1]
7-960-126	Estimated Usage Rate	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1]
7-960-127	Estimated Usage Rate	Web Roller Stopper	ENG	[0 to 255 / 0 / 1]
7-960-130	Estimated Usage Rate	#Main Unit Filters	ENG	[0 to 255 / 0 / 1]
7-960-131	Estimated Usage Rate	Dust Filter:Large	ENG	[0 to 255 / 0 / 1]
7-960-132	Estimated Usage Rate	Dust Filter:Small	ENG	[0 to 255 / 0 / 1]
7-960-133	Estimated Usage Rate	Ozone Filter	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-134	Estimated Usage Rate	Deodorant Filter:Large	ENG	[0 to 255 / 0 / 1]
7-960-135	Estimated Usage Rate	Deodorant Filter:Small	ENG	[0 to 255 / 0 / 1]
7-960-140	Estimated Usage Rate	Filter:UFP:Transfer:Fusing	ENG	[0 to 255 / 0 / 1]
7-960-141	Estimated Usage Rate	Filter:UFP:Pressure Roller	ENG	[0 to 255 / 0 / 1]
7-960-142	Estimated Usage Rate	Waste Toner Bottle	ENG	[0 to 255 / 0 / 1]
7-960-143	Estimated Usage Rate	Filter:UFP:Fusing:Exit	ENG	[0 to 255 / 0 / 1]
7-960-145	Estimated Usage Rate	#Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-960-146	Estimated Usage Rate	Pick-up Roller-Tray1	ENG	[0 to 255 / 0 / 1]
7-960-147	Estimated Usage Rate	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-148	Estimated Usage Rate	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-151	Estimated Usage Rate	#Tray2 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-960-152	Estimated Usage Rate	Pick-up Roller-Tray2	ENG	[0 to 255 / 0 / 1]
7-960-153	Estimated Usage Rate	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-154	Estimated Usage Rate	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-157	Estimated Usage Rate	#Tray3 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-960-158	Estimated Usage Rate	Pick-up Roller-Tray3	ENG	[0 to 255 / 0 / 1]
7-960-159	Estimated Usage Rate	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-160	Estimated Usage Rate	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-163	Estimated Usage Rate	#Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-960-164	Estimated Usage Rate	Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-960-165	Estimated Usage Rate	Feed Roller:Tray 4:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-166	Estimated Usage Rate	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-169	Estimated Usage Rate	#Feed Roller:Bypass	ENG	[0 to 255 / 0 / 1]
7-960-170	Estimated Usage Rate	Feed Roller:Bypass:Pick-up	ENG	[0 to 255 / 0 / 1]
7-960-171	Estimated Usage Rate	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-172	Estimated Usage Rate	Feed Roller:Bypass:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-175	Estimated Usage Rate	#Feed Roller:A3LCT	ENG	[0 to 255 / 0 / 1]
7-960-176	Estimated Usage Rate	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / 0 / 1]
7-960-177	Estimated Usage Rate	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-178	Estimated Usage Rate	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-181	Estimated Usage Rate	#Feed Roller:A4LCT	ENG	[0 to 255 / 0 / 1]
7-960-182	Estimated Usage Rate	Feed Roller:A4LCT:Pick-up	ENG	[0 to 255 / 0 / 1]
7-960-183	Estimated Usage Rate	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / 0 / 1]
7-960-184	Estimated Usage Rate	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-187	Estimated Usage Rate	#Inserter Feed:Tray 1	ENG	[0 to 255 / 0 / 1]
7-960-188	Estimated Usage Rate	Inserter:Tray1:Pick-up	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-189	Estimated Usage Rate	Inserter:Tray1:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-960-190	Estimated Usage Rate	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / 0 / 1]
7-960-193	Estimated Usage Rate	#Inserter Feed:Tray 2	ENG	[0 to 255 / 0 / 1]
7-960-194	Estimated Usage Rate	Inserter:Tray2:Pick-up	ENG	[0 to 255 / 0 / 1]
7-960-195	Estimated Usage Rate	Inserter:Tray2:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-960-196	Estimated Usage Rate	Inserter:Tray2:Separate Roller	ENG	[0 to 255 / 0 / 1]
7-960-199	Estimated Usage Rate	#Interposer	ENG	[0 to 255 / 0 / 1]
7-960-200	Estimated Usage Rate	Feed Belt:Interposer	ENG	[0 to 255 / 0 / 1]
7-960-201	Estimated Usage Rate	Separation Roller:Interposer	ENG	[0 to 255 / 0 / 1]
7-960-202	Estimated Usage Rate	Pick-up Roller:Interposer	ENG	[0 to 255 / 0 / 1]
7-960-205	Estimated Usage Rate	#ADF	ENG	[0 to 255 / 0 / 1]
7-960-206	Estimated Usage Rate	ADF Feed Belt	ENG	[0 to 255 / 0 / 1]
7-960-207	Estimated Usage Rate	ADF Separation Roller	ENG	[0 to 255 / 0 / 1]
7-960-208	Estimated Usage Rate	ADF Pick-up Roller	ENG	[0 to 255 / 0 / 1]
7-963-001	Operation Env. Log:PCU:Bk	T<=5:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-002	Operation Env. Log:PCU:Bk	T<=5:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-003	Operation Env. Log:PCU:Bk	T<=5:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-004	Operation Env. Log:PCU:Bk	T<=5:80<=H<100	ENG	[0 to 99999999 / 0 / 1m]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-963-005	Operation Env. Log:PCU:Bk	5<T<15:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-006	Operation Env. Log:PCU:Bk	5<T<15:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-007	Operation Env. Log:PCU:Bk	5<T<15:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-008	Operation Env. Log:PCU:Bk	5<T<15:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-009	Operation Env. Log:PCU:Bk	15<=T<25:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-010	Operation Env. Log:PCU:Bk	15<=T<25:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-011	Operation Env. Log:PCU:Bk	15<=T<25:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-012	Operation Env. Log:PCU:Bk	15<=T<25:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-013	Operation Env. Log:PCU:Bk	25<=T<30:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-014	Operation Env. Log:PCU:Bk	25<=T<30:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-015	Operation Env. Log:PCU:Bk	25<=T<30:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-016	Operation Env. Log:PCU:Bk	25<=T<30:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-017	Operation Env. Log:PCU:Bk	30<=T<35:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-018	Operation Env. Log:PCU:Bk	30<=T<35:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-019	Operation Env. Log:PCU:Bk	30<=T<35:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-020	Operation Env. Log:PCU:Bk	30<=T<35:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-021	Operation Env. Log:PCU:Bk	35<=T	ENG	[0 to 99999999 / 0 / 1m]
7-964-001	Operation Env. Log Clear		ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-979-001	ENG Reset Log	Data1	ENG*	[0x00 to 0xFF / 0x00 / 1]
7-979-002	ENG Reset Log	Data2	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-003	ENG Reset Log	Data3	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-004	ENG Reset Log	Data4	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-005	ENG Reset Log	Data5	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-006	ENG Reset Log	Data6	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-007	ENG Reset Log	Data7	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-008	ENG Reset Log	Data8	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-009	ENG Reset Log	Data9	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-010	ENG Reset Log	Data10	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-011	ENG Reset Log	Data11	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-012	ENG Reset Log	Data12	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-013	ENG Reset Log	Data13	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-014	ENG Reset Log	Data14	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-015	ENG Reset Log	Data15	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-016	ENG Reset Log	Data16	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-017	ENG Reset Log	Data17	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-018	ENG Reset Log	Data18	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-979-019	ENG Reset Log	Data19	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-020	ENG Reset Log	Data20	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-021	ENG Reset Log	Data21	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-980-001	Torque Display	BkDevMotor	ENG*	[0 to 5 / 0 / 0.01A]
7-980-002	Torque Display	ColorDevCMotor	ENG*	[0 to 5 / 0 / 0.01A]
7-980-003	Torque Display	ColorDevMMotor	ENG*	[0 to 5 / 0 / 0.01A]
7-980-004	Torque Display	ColorDevYMotor	ENG*	[0 to 5 / 0 / 0.01A]
7-987-001	Drum Motor Error Counter	Drum Motor:K	ENG*	[0 to 3 / 0 / 1]
7-987-002	Drum Motor Error Counter	Drum Motor:C	ENG*	[0 to 3 / 0 / 1]
7-987-003	Drum Motor Error Counter	Drum Motor:M	ENG*	[0 to 3 / 0 / 1]
7-987-004	Drum Motor Error Counter	Drum Motor:Y	ENG*	[0 to 3 / 0 / 1]
7-988-001	Drum Motor Error Counter Clear	Drum Motor:K	ENG	[0 to 1 / 0 / 1]
7-988-002	Drum Motor Error Counter Clear	Drum Motor:C	ENG	[0 to 1 / 0 / 1]
7-988-003	Drum Motor Error Counter Clear	Drum Motor:M	ENG	[0 to 1 / 0 / 1]
7-988-004	Drum Motor Error Counter Clear	Drum Motor:Y	ENG	[0 to 1 / 0 / 1]

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SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
8-001-001	T:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-002-001	C:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-003-001	F:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-004-001	P:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-005-001	S:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-006-001	L:Total Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-011-001	T:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-012-001	C:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-013-001	F:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-014-001	P:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-015-001	S:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-016-001	L:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-017-001	O:Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-021-001	T:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-022-001	C:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-023-001	F:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-024-001	P:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-025-001	S:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-026-001	L:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-027-001	O:Pjob/LS		CTL*	[0 to 99999999 / 0 / 1]
8-031-001	T:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-032-001	C:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-033-001	F:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-034-001	P:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-035-001	S:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-036-001	L:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-037-001	O:Pjob/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-041-001	T:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-042-001	C:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-043-001	F:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-044-001	P:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-045-001	S:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-046-001	L:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-047-001	O:TX Jobs/LS		CTL*	[0 to 99999999 / 0 / 1]
8-051-001	T:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-052-001	C:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-053-001	F:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-054-001	P:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-055-001	S:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-056-001	L:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-057-001	O:TX Jobs/DesApl		CTL*	[0 to 99999999 / 0 / 1]
8-061-001	T:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-061-002	T:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-061-003	T:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-061-004	T:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-061-005	T:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-006	T:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-061-007	T:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-061-008	T:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-009	T:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-010	T:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-011	T:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-012	T:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-061-	T:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				1]
8-061-014	T:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-061-015	T:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-061-016	T:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-062-001	C:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-062-002	C:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-062-003	C:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-062-004	C:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-062-005	C:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-006	C:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-062-007	C:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-062-008	C:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-009	C:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-010	C:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-011	C:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-012	C:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-062-013	C:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-062-014	C:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-062-	C:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
015				1]
8-062-016	C:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-063-001	F:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-063-002	F:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-063-003	F:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-063-004	F:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-063-005	F:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-006	F:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-063-007	F:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-063-008	F:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-009	F:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-010	F:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-011	F:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-012	F:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-063-013	F:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-063-014	F:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-063-015	F:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-063-016	F:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-064-	P:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-064-002	P:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-064-003	P:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-064-004	P:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-064-005	P:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-006	P:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-064-007	P:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-064-008	P:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-009	P:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-010	P:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-011	P:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-012	P:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-064-013	P:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-064-014	P:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-064-015	P:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-064-016	P:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-065-001	S:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-065-002	S:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-065-	S:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				1]
8-065-004	S:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-065-005	S:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-006	S:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-065-007	S:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-065-008	S:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-009	S:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-010	S:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-011	S:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-012	S:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-065-013	S:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-065-014	S:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-065-015	S:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-065-016	S:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-066-001	L:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-066-002	L:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-066-003	L:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-066-004	L:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-066-	L:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				1]
8-066-006	L:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-066-007	L:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 / 1]
8-066-008	L:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-066-009	L:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-066-010	L:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-066-011	L:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-066-012	L:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-066-013	L:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-066-014	L:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-066-015	L:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-066-016	L:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-067-001	O:FIN Jobs	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-067-002	O:FIN Jobs	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-067-003	O:FIN Jobs	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-067-004	O:FIN Jobs	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-067-005	O:FIN Jobs	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-006	O:FIN Jobs	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-067-	O:FIN Jobs	Other	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
007				1]
8-067-008	O:FIN Jobs	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-009	O:FIN Jobs	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-010	O:FIN Jobs	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-011	O:FIN Jobs	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-012	O:FIN Jobs	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-067-013	O:FIN Jobs	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-067-014	O:FIN Jobs	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-067-015	O:FIN Jobs	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-067-016	O:FIN Jobs	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-071-001	T:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-071-002	T:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-003	T:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-004	T:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-005	T:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-006	T:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-007	T:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-008	T:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-	T:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
009				1]
8-071-010	T:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-011	T:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-012	T:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-013	T:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-071-014	T:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-001	C:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-072-002	C:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-003	C:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-004	C:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-005	C:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-006	C:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-007	C:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-008	C:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-009	C:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-010	C:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-011	C:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-012	C:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-072-	C:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				1]
8-072-014	C:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-001	F:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-073-002	F:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-003	F:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-004	F:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-005	F:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-006	F:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-007	F:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-008	F:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-009	F:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-010	F:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-011	F:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-012	F:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-013	F:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-073-014	F:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074-001	P:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-074-002	P:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074-	P:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				1]
8-074- 004	P:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 005	P:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 006	P:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 007	P:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 008	P:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 009	P:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 010	P:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 011	P:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 012	P:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 013	P:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-074- 014	P:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075- 001	S:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-075- 002	S:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075- 003	S:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075- 004	S:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075- 005	S:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075- 006	S:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-	S:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
007				1]
8-075-008	S:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-009	S:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-010	S:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-011	S:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-012	S:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-013	S:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-075-014	S:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-001	L:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-076-002	L:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-003	L:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-004	L:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-005	L:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-006	L:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-007	L:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-008	L:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-009	L:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-010	L:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-	L:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
011				1]
8-076-012	L:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-013	L:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-076-014	L:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-001	O:Jobs/PGS	1 Page	CTL*	[0 to 99999999 / 0 / 1]
8-077-002	O:Jobs/PGS	2 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-003	O:Jobs/PGS	3 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-004	O:Jobs/PGS	4 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-005	O:Jobs/PGS	5 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-006	O:Jobs/PGS	6~10 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-007	O:Jobs/PGS	11~20 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-008	O:Jobs/PGS	21~50 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-009	O:Jobs/PGS	51~100 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-010	O:Jobs/PGS	101~300 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-011	O:Jobs/PGS	301~500 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-012	O:Jobs/PGS	501~700 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-013	O:Jobs/PGS	701~1000 Pages	CTL*	[0 to 99999999 / 0 / 1]
8-077-014	O:Jobs/PGS	1001~ Pages	CTL*	[0 to 99999999 / 0 / 1]
8-081-	T:Smart Device	Smart Device	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-082-001	C:Smart Device	Smart Device	CTL*	[0 to 99999999 / 0 / 1]
8-083-001	F:Smart Device	Smart Device	CTL*	[0 to 99999999 / 0 / 1]
8-084-001	P:Smart Device	Smart Device	CTL*	[0 to 99999999 / 0 / 1]
8-085-001	S:Smart Device	Smart Device	CTL*	[0 to 99999999 / 0 / 1]
8-111-001	T:FAX TX Jobs	B/W(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-111-002	T:FAX TX Jobs	Color(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-111-101	T:FAX TX Jobs	B/W(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-111-102	T:FAX TX Jobs	Color(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-113-001	F:FAX TX Jobs	B/W(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-113-002	F:FAX TX Jobs	Color(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-113-101	F:FAX TX Jobs	B/W(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-113-102	F:FAX TX Jobs	Color(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-121-001	T:IFAX TX Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-121-002	T:IFAX TX Jobs	Color	CTL*	[0 to 99999999 / 0 / 1]
8-123-001	F:IFAX TX Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-123-002	F:IFAX TX Jobs	Color	CTL*	[0 to 99999999 / 0 / 1]
8-131-001	T:S-to-Email Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-131-	T:S-to-Email Jobs	Color	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				1]
8-131-003	T:S-to-Email Jobs	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-135-001	S:S-to-Email Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-135-002	S:S-to-Email Jobs	Color	CTL*	[0 to 99999999 / 0 / 1]
8-135-003	S:S-to-Email Jobs	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-141-001	T:Deliv Jobs/Svr	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-141-002	T:Deliv Jobs/Svr	Color	CTL*	[0 to 99999999 / 0 / 1]
8-141-003	T:Deliv Jobs/Svr	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-145-001	S:Deliv Jobs/Svr	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-145-002	S:Deliv Jobs/Svr	Color	CTL*	[0 to 99999999 / 0 / 1]
8-145-003	S:Deliv Jobs/Svr	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-151-001	T:Deliv Jobs/PC	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-151-002	T:Deliv Jobs/PC	Color	CTL*	[0 to 99999999 / 0 / 1]
8-151-003	T:Deliv Jobs/PC	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-155-001	S:Deliv Jobs/PC	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-155-002	S:Deliv Jobs/PC	Color	CTL*	[0 to 99999999 / 0 / 1]
8-155-003	S:Deliv Jobs/PC	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-161-001	T:PCFAX TX Jobs		CTL*	[0 to 99999999 / 0 / 1]
8-163-	F:PCFAX TX Jobs		CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-171-001	T:Deliv Jobs/WSD/DSM	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-171-002	T:Deliv Jobs/WSD/DSM	Color	CTL*	[0 to 99999999 / 0 / 1]
8-171-003	T:Deliv Jobs/WSD/DSM	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-175-001	S:Deliv Jobs/WSD/DSM	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-175-002	S:Deliv Jobs/WSD/DSM	Color	CTL*	[0 to 99999999 / 0 / 1]
8-175-003	S:Deliv Jobs/WSD/DSM	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-181-001	T:Scan to Media Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-181-002	T:Scan to Media Jobs	Color	CTL*	[0 to 99999999 / 0 / 1]
8-181-003	T:Scan to Media Jobs	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-185-001	S:Scan to Media Jobs	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-185-002	S:Scan to Media Jobs	Color	CTL*	[0 to 99999999 / 0 / 1]
8-185-003	S:Scan to Media Jobs	ACS	CTL*	[0 to 99999999 / 0 / 1]
8-191-001	T:Total Scan PGS		CTL*	[0 to 99999999 / 0 / 1]
8-192-001	C:Total Scan PGS		CTL*	[0 to 99999999 / 0 / 1]
8-193-001	F:Total Scan PGS		CTL*	[0 to 99999999 / 0 / 1]
8-195-001	S:Total Scan PGS		CTL*	[0 to 99999999 / 0 / 1]
8-196-001	L:Total Scan PGS		CTL*	[0 to 99999999 / 0 / 1]
8-201-	T:LSize Scan PGS	A3/DLT, Larger	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-203-001	F:LSize Scan PGS	A3/DLT, Larger	CTL*	[0 to 99999999 / 0 / 1]
8-205-001	S:LSize Scan PGS	A3/DLT, Larger	CTL*	[0 to 99999999 / 0 / 1]
8-211-001	T:Scan PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-212-001	C:Scan PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-213-001	F:Scan PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-215-001	S:Scan PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-216-001	L:Scan PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-221-001	ADF Org Feeds	Front	CTL*	[0 to 99999999 / 0 / 1]
8-221-002	ADF Org Feeds	Back	CTL*	[0 to 99999999 / 0 / 1]
8-231-001	Scan PGS/Mode	Large Volume	CTL*	[0 to 99999999 / 0 / 1]
8-231-002	Scan PGS/Mode	SADF	CTL*	[0 to 99999999 / 0 / 1]
8-231-003	Scan PGS/Mode	Mixed Size	CTL*	[0 to 99999999 / 0 / 1]
8-231-004	Scan PGS/Mode	Custom Size	CTL*	[0 to 99999999 / 0 / 1]
8-231-005	Scan PGS/Mode	Platen	CTL*	[0 to 99999999 / 0 / 1]
8-231-006	Scan PGS/Mode	Mixed 1side/2side	CTL*	[0 to 99999999 / 0 / 1]
8-241-001	T:Scan PGS/Org	Text	CTL*	[0 to 99999999 / 0 / 1]
8-241-002	T:Scan PGS/Org	Text/Photo	CTL*	[0 to 99999999 / 0 / 1]
8-241-	T:Scan PGS/Org	Photo	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				1]
8-241-004	T:Scan PGS/Org	GenCopy, Pale	CTL*	[0 to 99999999 / 0 / 1]
8-241-005	T:Scan PGS/Org	Map	CTL*	[0 to 99999999 / 0 / 1]
8-241-006	T:Scan PGS/Org	Normal/Detail	CTL*	[0 to 99999999 / 0 / 1]
8-241-007	T:Scan PGS/Org	Fine/Super Fine	CTL*	[0 to 99999999 / 0 / 1]
8-241-008	T:Scan PGS/Org	Binary	CTL*	[0 to 99999999 / 0 / 1]
8-241-009	T:Scan PGS/Org	Grayscale	CTL*	[0 to 99999999 / 0 / 1]
8-241-010	T:Scan PGS/Org	Color	CTL*	[0 to 99999999 / 0 / 1]
8-241-011	T:Scan PGS/Org	Other	CTL*	[0 to 99999999 / 0 / 1]
8-242-001	C:Scan PGS/Org	Text	CTL*	[0 to 99999999 / 0 / 1]
8-242-002	C:Scan PGS/Org	Text/Photo	CTL*	[0 to 99999999 / 0 / 1]
8-242-003	C:Scan PGS/Org	Photo	CTL*	[0 to 99999999 / 0 / 1]
8-242-004	C:Scan PGS/Org	GenCopy, Pale	CTL*	[0 to 99999999 / 0 / 1]
8-242-005	C:Scan PGS/Org	Map	CTL*	[0 to 99999999 / 0 / 1]
8-242-011	C:Scan PGS/Org	Other	CTL*	[0 to 99999999 / 0 / 1]
8-243-001	F:Scan PGS/Org	Text	CTL*	[0 to 99999999 / 0 / 1]
8-243-002	F:Scan PGS/Org	Text/Photo	CTL*	[0 to 99999999 / 0 / 1]
8-243-003	F:Scan PGS/Org	Photo	CTL*	[0 to 99999999 / 0 / 1]
8-243-	F:Scan PGS/Org	Normal/Detail	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
006				1]
8-243-007	F:Scan PGS/Org	Fine/Super Fine	CTL*	[0 to 99999999 / 0 / 1]
8-243-011	F:Scan PGS/Org	Other	CTL*	[0 to 99999999 / 0 / 1]
8-245-001	S:Scan PGS/Org	Text	CTL*	[0 to 99999999 / 0 / 1]
8-245-002	S:Scan PGS/Org	Text/Photo	CTL*	[0 to 99999999 / 0 / 1]
8-245-003	S:Scan PGS/Org	Photo	CTL*	[0 to 99999999 / 0 / 1]
8-245-004	S:Scan PGS/Org	GenCopy, Pale	CTL*	[0 to 99999999 / 0 / 1]
8-245-008	S:Scan PGS/Org	Binary	CTL*	[0 to 99999999 / 0 / 1]
8-245-009	S:Scan PGS/Org	Grayscale	CTL*	[0 to 99999999 / 0 / 1]
8-245-010	S:Scan PGS/Org	Color	CTL*	[0 to 99999999 / 0 / 1]
8-245-011	S:Scan PGS/Org	Other	CTL*	[0 to 99999999 / 0 / 1]
8-246-001	L:Scan PGS/Org	Text	CTL*	[0 to 99999999 / 0 / 1]
8-246-002	L:Scan PGS/Org	Text/Photo	CTL*	[0 to 99999999 / 0 / 1]
8-246-003	L:Scan PGS/Org	Photo	CTL*	[0 to 99999999 / 0 / 1]
8-246-004	L:Scan PGS/Org	GenCopy, Pale	CTL*	[0 to 99999999 / 0 / 1]
8-246-005	L:Scan PGS/Org	Map	CTL*	[0 to 99999999 / 0 / 1]
8-246-011	L:Scan PGS/Org	Other	CTL*	[0 to 99999999 / 0 / 1]
8-251-001	T:Scan PGS/ImgEdt		CTL*	[0 to 99999999 / 0 / 1]
8-252-	C:Scan PGS/ImgEdt		CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-255-001	S:Scan PGS/ImgEdt		CTL*	[0 to 99999999 / 0 / 1]
8-256-001	L:Scan PGS/ImgEdt		CTL*	[0 to 99999999 / 0 / 1]
8-257-001	O:Scan PGS/ImgEdt		CTL*	[0 to 99999999 / 0 / 1]
8-261-001	T:Scn PGS/ColCr	Color Conversion	CTL*	[0 to 99999999 / 0 / 1]
8-261-002	T:Scn PGS/ColCr	Color Erase	CTL*	[0 to 99999999 / 0 / 1]
8-261-003	T:Scn PGS/ColCr	Background	CTL*	[0 to 99999999 / 0 / 1]
8-261-004	T:Scn PGS/ColCr	Other	CTL*	[0 to 99999999 / 0 / 1]
8-262-001	C:Scn PGS/ColCr	Color Conversion	CTL*	[0 to 99999999 / 0 / 1]
8-262-002	C:Scn PGS/ColCr	Color Erase	CTL*	[0 to 99999999 / 0 / 1]
8-262-003	C:Scn PGS/ColCr	Background	CTL*	[0 to 99999999 / 0 / 1]
8-262-004	C:Scn PGS/ColCr	Other	CTL*	[0 to 99999999 / 0 / 1]
8-265-001	S:Scn PGS/ColCr	Color Conversion	CTL*	[0 to 99999999 / 0 / 1]
8-265-002	S:Scn PGS/ColCr	Color Erase	CTL*	[0 to 99999999 / 0 / 1]
8-265-003	S:Scn PGS/ColCr	Background	CTL*	[0 to 99999999 / 0 / 1]
8-265-004	S:Scn PGS/ColCr	Other	CTL*	[0 to 99999999 / 0 / 1]
8-266-001	L:Scn PGS/ColCr	Color Conversion	CTL*	[0 to 99999999 / 0 / 1]
8-266-002	L:Scn PGS/ColCr	Color Erase	CTL*	[0 to 99999999 / 0 / 1]
8-266-003	L:Scn PGS/ColCr	Background	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				1]
8-266-004	L:Scn PGS/ColCr	Other	CTL*	[0 to 99999999 / 0 / 1]
8-281-001	T:Scn PGS/TWAIN		CTL*	[0 to 99999999 / 0 / 1]
8-285-001	S:Scn PGS/TWAIN		CTL*	[0 to 99999999 / 0 / 1]
8-291-001	T:Scn PGS/Stamp		CTL*	[0 to 99999999 / 0 / 1]
8-293-001	F:Scn PGS/Stamp		CTL*	[0 to 99999999 / 0 / 1]
8-295-001	S:Scn PGS/Stamp		CTL*	[0 to 99999999 / 0 / 1]
8-301-001	T:Scn PGS/Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-301-002	T:Scn PGS/Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-301-003	T:Scn PGS/Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-301-004	T:Scn PGS/Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-301-005	T:Scn PGS/Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-301-006	T:Scn PGS/Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-301-007	T:Scn PGS/Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-301-008	T:Scn PGS/Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-301-009	T:Scn PGS/Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-301-010	T:Scn PGS/Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-301-254	T:Scn PGS/Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-301-	T:Scn PGS/Size	Other (Custom)	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
255				1]
8-302-001	C:Scan PGS/Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-302-002	C:Scan PGS/Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-302-003	C:Scan PGS/Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-302-004	C:Scan PGS/Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-302-005	C:Scan PGS/Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-302-006	C:Scan PGS/Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-302-007	C:Scan PGS/Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-302-008	C:Scan PGS/Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-302-009	C:Scan PGS/Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-302-010	C:Scan PGS/Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-302-254	C:Scan PGS/Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-302-255	C:Scan PGS/Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-303-001	F:Scan PGS/Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-303-002	F:Scan PGS/Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-303-003	F:Scan PGS/Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-303-004	F:Scan PGS/Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-303-005	F:Scan PGS/Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-303-	F:Scan PGS/Size	DLT	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
006				1]
8-303-007	F:Scan PGS/Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-303-008	F:Scan PGS/Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-303-009	F:Scan PGS/Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-303-010	F:Scan PGS/Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-303-254	F:Scan PGS/Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-303-255	F:Scan PGS/Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-305-001	S:Scan PGS/Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-305-002	S:Scan PGS/Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-305-003	S:Scan PGS/Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-305-004	S:Scan PGS/Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-305-005	S:Scan PGS/Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-305-006	S:Scan PGS/Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-305-007	S:Scan PGS/Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-305-008	S:Scan PGS/Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-305-009	S:Scan PGS/Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-305-010	S:Scan PGS/Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-305-254	S:Scan PGS/Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-305-	S:Scan PGS/Size	Other (Custom)	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
255				1]
8-306-001	L:Scan PGS/Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-306-002	L:Scan PGS/Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-306-003	L:Scan PGS/Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-306-004	L:Scan PGS/Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-306-005	L:Scan PGS/Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-306-006	L:Scan PGS/Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-306-007	L:Scan PGS/Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-306-008	L:Scan PGS/Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-306-009	L:Scan PGS/Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-306-010	L:Scan PGS/Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-306-254	L:Scan PGS/Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-306-255	L:Scan PGS/Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-311-001	T:Scan PGS/Rez	1200dpi ~	CTL*	[0 to 99999999 / 0 / 1]
8-311-002	T:Scan PGS/Rez	600dpi~1199dpi	CTL*	[0 to 99999999 / 0 / 1]
8-311-003	T:Scan PGS/Rez	400dpi~599dpi	CTL*	[0 to 99999999 / 0 / 1]
8-311-004	T:Scan PGS/Rez	200dpi~399dpi	CTL*	[0 to 99999999 / 0 / 1]
8-311-005	T:Scan PGS/Rez	~199dpi	CTL*	[0 to 99999999 / 0 / 1]
8-315-	S:Scan PGS/Rez	1200dpi ~	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-315-002	S:Scan PGS/Rez	600dpi~1199dpi	CTL*	[0 to 99999999 / 0 / 1]
8-315-003	S:Scan PGS/Rez	400dpi~599dpi	CTL*	[0 to 99999999 / 0 / 1]
8-315-004	S:Scan PGS/Rez	200dpi~399dpi	CTL*	[0 to 99999999 / 0 / 1]
8-315-005	S:Scan PGS/Rez	~199dpi	CTL*	[0 to 99999999 / 0 / 1]
8-321-001	T:Sacn Poster	2 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-321-002	T:Sacn Poster	4 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-321-003	T:Sacn Poster	9 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-322-001	C:Sacn Poster	2 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-322-002	C:Sacn Poster	4 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-322-003	C:Sacn Poster	9 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-326-001	L:Sacn Poster	2 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-326-002	L:Sacn Poster	4 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-326-003	L:Sacn Poster	9 Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-381-001	T:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-381-006	T:Total PrtPGS	Total: Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-381-007	T:Total PrtPGS	Total: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-382-001	C:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-382-	C:Total PrtPGS	Copy: Single Fifth Station	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
006				1]
8-382- 007	C:Total PrtPGS	Copy: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-383- 001	F:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-383- 006	F:Total PrtPGS	FAX: Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-383- 007	F:Total PrtPGS	FAX: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-384- 001	P:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-384- 006	P:Total PrtPGS	Printer: Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-384- 007	P:Total PrtPGS	Printer: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-385- 001	S:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-386- 001	L:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-386- 006	L:Total PrtPGS	LS: Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-386- 007	L:Total PrtPGS	LS: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-387- 001	O:Total PrtPGS	Field Number	CTL*	[0 to 99999999 / 0 / 1]
8-387- 006	O:Total PrtPGS	Other: Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-387- 007	O:Total PrtPGS	Other: Single Fifth Station Over A3	CTL*	[0 to 99999999 / 0 / 1]
8-391- 001	LSize PrtPGS	A3/DLT, Larger	CTL*	[0 to 99999999 / 0 / 1]
8-391- 003	LSize PrtPGS	BannerPaper	CTL*	[0 to 99999999 / 0 / 1]
8-401- 001	T:PrtPGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-402-	C:PrtPGS/LS		CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-403-001	F:PrtPGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-404-001	P:PrtPGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-405-001	S:PrtPGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-406-001	L:PrtPGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-411-001	Prints/Duplex		CTL*	[0 to 99999999 / 0 / 1]
8-421-001	T:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-421-002	T:PrtPGS/Dup Comb	Duplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-421-003	T:PrtPGS/Dup Comb	Book> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-421-004	T:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-421-005	T:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-421-006	T:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-007	T:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-008	T:PrtPGS/Dup Comb	6in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-009	T:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-010	T:PrtPGS/Dup Comb	9in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-011	T:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-421-012	T:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-	T:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				1]
8-421-014	T:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-015	T:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-016	T:PrtPGS/Dup Comb	6in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-017	T:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-018	T:PrtPGS/Dup Comb	9in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-421-019	T:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-421-020	T:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-421-021	T:PrtPGS/Dup Comb	6in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-421-022	T:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-421-023	T:PrtPGS/Dup Comb	9in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-421-024	T:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-422-001	C:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-422-002	C:PrtPGS/Dup Comb	Duplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-422-003	C:PrtPGS/Dup Comb	Book> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-422-004	C:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-422-005	C:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-422-006	C:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-422-	C:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
007				1]
8-422-009	C:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-422-012	C:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-422-013	C:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-422-014	C:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-422-015	C:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-422-017	C:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-422-019	C:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-422-020	C:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-422-022	C:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-423-001	F:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-423-004	F:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-423-005	F:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-423-006	F:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-423-007	F:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-423-009	F:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-423-011	F:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-423-012	F:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-423-	F:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				1]
8-423-014	F:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-423-015	F:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-423-017	F:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-423-019	F:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-423-020	F:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-423-022	F:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-423-024	F:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-001	P:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-424-004	P:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-424-005	P:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-424-006	P:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-007	P:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-008	P:PrtPGS/Dup Comb	6in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-009	P:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-010	P:PrtPGS/Dup Comb	9in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-011	P:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-424-012	P:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-	P:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				1]
8-424-014	P:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-015	P:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-016	P:PrtPGS/Dup Comb	6in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-017	P:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-018	P:PrtPGS/Dup Comb	9in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-424-019	P:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-020	P:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-021	P:PrtPGS/Dup Comb	6in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-022	P:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-023	P:PrtPGS/Dup Comb	9in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-424-024	P:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-001	S:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-425-004	S:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-425-005	S:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-425-006	S:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-425-007	S:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-425-009	S:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-425-	S:PrtPGS/Dup Comb	9in1	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
010				1]
8-425-011	S:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-425-012	S:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-425-013	S:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-014	S:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-425-015	S:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-425-017	S:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-425-018	S:PrtPGS/Dup Comb	9in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-425-019	S:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-020	S:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-022	S:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-023	S:PrtPGS/Dup Comb	9in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-425-024	S:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-426-001	L:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-426-004	L:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-426-005	L:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-426-006	L:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-426-007	L:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-426-	L:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
009				1]
8-426-011	L:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-426-012	L:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-426-013	L:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-426-014	L:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-426-015	L:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-426-017	L:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-426-019	L:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-426-020	L:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-426-022	L:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-426-024	L:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-001	O:PrtPGS/Dup Comb	Simplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-427-002	O:PrtPGS/Dup Comb	Duplex> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-427-003	O:PrtPGS/Dup Comb	Book> Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-427-004	O:PrtPGS/Dup Comb	Simplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-427-005	O:PrtPGS/Dup Comb	Duplex Combine	CTL*	[0 to 99999999 / 0 / 1]
8-427-006	O:PrtPGS/Dup Comb	2in1	CTL*	[0 to 99999999 / 0 / 1]
8-427-007	O:PrtPGS/Dup Comb	4in1	CTL*	[0 to 99999999 / 0 / 1]
8-427-	O:PrtPGS/Dup Comb	6in1	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
008				1]
8-427-009	O:PrtPGS/Dup Comb	8in1	CTL*	[0 to 99999999 / 0 / 1]
8-427-010	O:PrtPGS/Dup Comb	9in1	CTL*	[0 to 99999999 / 0 / 1]
8-427-011	O:PrtPGS/Dup Comb	16in1	CTL*	[0 to 99999999 / 0 / 1]
8-427-012	O:PrtPGS/Dup Comb	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-013	O:PrtPGS/Dup Comb	Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-014	O:PrtPGS/Dup Comb	2in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-015	O:PrtPGS/Dup Comb	4in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-016	O:PrtPGS/Dup Comb	6in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-017	O:PrtPGS/Dup Comb	8in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-018	O:PrtPGS/Dup Comb	9in1 + Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-427-019	O:PrtPGS/Dup Comb	2in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-020	O:PrtPGS/Dup Comb	4in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-021	O:PrtPGS/Dup Comb	6in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-022	O:PrtPGS/Dup Comb	8in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-023	O:PrtPGS/Dup Comb	9in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-427-024	O:PrtPGS/Dup Comb	16in1 + Magazine	CTL*	[0 to 99999999 / 0 / 1]
8-431-001	T:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-431-	T:PrtPGS/ImgEdt	Series/Book	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				1]
8-431- 003	T:PrtPGS/ImgEdt	User Stamp	CTL*	[0 to 99999999 / 0 / 1]
8-432- 001	C:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-432- 002	C:PrtPGS/ImgEdt	Series/Book	CTL*	[0 to 99999999 / 0 / 1]
8-432- 003	C:PrtPGS/ImgEdt	User Stamp	CTL*	[0 to 99999999 / 0 / 1]
8-434- 001	P:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-434- 002	P:PrtPGS/ImgEdt	Series/Book	CTL*	[0 to 99999999 / 0 / 1]
8-434- 003	P:PrtPGS/ImgEdt	User Stamp	CTL*	[0 to 99999999 / 0 / 1]
8-436- 001	L:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-436- 002	L:PrtPGS/ImgEdt	Series/Book	CTL*	[0 to 99999999 / 0 / 1]
8-436- 003	L:PrtPGS/ImgEdt	User Stamp	CTL*	[0 to 99999999 / 0 / 1]
8-437- 001	O:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL*	[0 to 99999999 / 0 / 1]
8-437- 002	O:PrtPGS/ImgEdt	Series/Book	CTL*	[0 to 99999999 / 0 / 1]
8-437- 003	O:PrtPGS/ImgEdt	User Stamp	CTL*	[0 to 99999999 / 0 / 1]
8-441- 001	T:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-441- 002	T:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-441- 003	T:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-441- 004	T:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-441-	T:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				1]
8-441-006	T:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-441-007	T:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-441-008	T:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-441-009	T:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-441-010	T:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-441-254	T:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-441-255	T:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-442-001	C:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-442-002	C:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-442-003	C:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-442-004	C:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-442-005	C:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-442-006	C:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-442-007	C:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-442-008	C:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-442-009	C:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-442-010	C:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-442-	C:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
254				1]
8-442-255	C:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-443-001	F:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-443-002	F:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-443-003	F:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-443-004	F:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-443-005	F:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-443-006	F:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-443-007	F:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-443-008	F:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-443-009	F:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-443-010	F:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-443-254	F:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-443-255	F:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-444-001	P:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-444-002	P:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-444-003	P:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-444-004	P:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-444-	P:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				1]
8-444-006	P:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-444-007	P:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-444-008	P:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-444-009	P:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-444-010	P:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-444-254	P:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-444-255	P:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-445-001	S:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-445-002	S:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-445-003	S:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-445-004	S:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-445-005	S:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-445-006	S:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-445-007	S:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-445-008	S:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-445-009	S:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-445-010	S:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-445-	S:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
254				1]
8-445-255	S:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-446-001	L:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-446-002	L:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-446-003	L:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-446-004	L:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-446-005	L:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 / 1]
8-446-006	L:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-446-007	L:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-446-008	L:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-446-009	L:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-446-010	L:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-446-254	L:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-446-255	L:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-447-001	O:PrtPGS/Ppr Size	A3	CTL*	[0 to 99999999 / 0 / 1]
8-447-002	O:PrtPGS/Ppr Size	A4	CTL*	[0 to 99999999 / 0 / 1]
8-447-003	O:PrtPGS/Ppr Size	A5	CTL*	[0 to 99999999 / 0 / 1]
8-447-004	O:PrtPGS/Ppr Size	B4	CTL*	[0 to 99999999 / 0 / 1]
8-447-	O:PrtPGS/Ppr Size	B5	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				1]
8-447-006	O:PrtPGS/Ppr Size	DLT	CTL*	[0 to 99999999 / 0 / 1]
8-447-007	O:PrtPGS/Ppr Size	LG	CTL*	[0 to 99999999 / 0 / 1]
8-447-008	O:PrtPGS/Ppr Size	LT	CTL*	[0 to 99999999 / 0 / 1]
8-447-009	O:PrtPGS/Ppr Size	HLT	CTL*	[0 to 99999999 / 0 / 1]
8-447-010	O:PrtPGS/Ppr Size	Full Bleed	CTL*	[0 to 99999999 / 0 / 1]
8-447-254	O:PrtPGS/Ppr Size	Other (Standard)	CTL*	[0 to 99999999 / 0 / 1]
8-447-255	O:PrtPGS/Ppr Size	Other (Custom)	CTL*	[0 to 99999999 / 0 / 1]
8-451-001	PrtPGS/Ppr Tray	Bypass Tray	CTL*	[0 to 99999999 / 0 / 1]
8-451-002	PrtPGS/Ppr Tray	Tray 1	CTL*	[0 to 99999999 / 0 / 1]
8-451-003	PrtPGS/Ppr Tray	Tray 2	CTL*	[0 to 99999999 / 0 / 1]
8-451-004	PrtPGS/Ppr Tray	Tray 3	CTL*	[0 to 99999999 / 0 / 1]
8-451-005	PrtPGS/Ppr Tray	Tray 4	CTL*	[0 to 99999999 / 0 / 1]
8-451-006	PrtPGS/Ppr Tray	Tray 5	CTL*	[0 to 99999999 / 0 / 1]
8-451-007	PrtPGS/Ppr Tray	Tray 6	CTL*	[0 to 99999999 / 0 / 1]
8-451-008	PrtPGS/Ppr Tray	Tray 7	CTL*	[0 to 99999999 / 0 / 1]
8-451-009	PrtPGS/Ppr Tray	Tray 8	CTL*	[0 to 99999999 / 0 / 1]
8-451-010	PrtPGS/Ppr Tray	Tray 9	CTL*	[0 to 99999999 / 0 / 1]
8-451-	PrtPGS/Ppr Tray	Tray 10	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
011				1]
8-451-012	PrtPGS/Ppr Tray	Tray 11	CTL*	[0 to 99999999 / 0 / 1]
8-451-013	PrtPGS/Ppr Tray	Tray 12	CTL*	[0 to 99999999 / 0 / 1]
8-451-014	PrtPGS/Ppr Tray	Tray 13	CTL*	[0 to 99999999 / 0 / 1]
8-451-015	PrtPGS/Ppr Tray	Tray 14	CTL*	[0 to 99999999 / 0 / 1]
8-451-016	PrtPGS/Ppr Tray	Tray 15	CTL*	[0 to 99999999 / 0 / 1]
8-451-101	PrtPGS/Ppr Tray	LC Inserter	CTL*	[0 to 99999999 / 0 / 1]
8-451-102	PrtPGS/Ppr Tray	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-461-001	T:PrtPGS/Ppr Type	Normal	CTL*	[0 to 99999999 / 0 / 1]
8-461-002	T:PrtPGS/Ppr Type	Recycled	CTL*	[0 to 99999999 / 0 / 1]
8-461-003	T:PrtPGS/Ppr Type	Special	CTL*	[0 to 99999999 / 0 / 1]
8-461-004	T:PrtPGS/Ppr Type	Thick	CTL*	[0 to 99999999 / 0 / 1]
8-461-005	T:PrtPGS/Ppr Type	Normal (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-461-006	T:PrtPGS/Ppr Type	Thick (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-461-007	T:PrtPGS/Ppr Type	OHP	CTL*	[0 to 99999999 / 0 / 1]
8-461-008	T:PrtPGS/Ppr Type	Other	CTL*	[0 to 99999999 / 0 / 1]
8-462-001	C:PrtPGS/Ppr Type	Normal	CTL*	[0 to 99999999 / 0 / 1]
8-462-002	C:PrtPGS/Ppr Type	Recycled	CTL*	[0 to 99999999 / 0 / 1]
8-462-	C:PrtPGS/Ppr Type	Special	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				1]
8-462-004	C:PrtPGS/Ppr Type	Thick	CTL*	[0 to 99999999 / 0 / 1]
8-462-005	C:PrtPGS/Ppr Type	Normal (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-462-006	C:PrtPGS/Ppr Type	Thick (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-462-007	C:PrtPGS/Ppr Type	OHP	CTL*	[0 to 99999999 / 0 / 1]
8-462-008	C:PrtPGS/Ppr Type	Other	CTL*	[0 to 99999999 / 0 / 1]
8-463-001	F:PrtPGS/Ppr Type	Normal	CTL*	[0 to 99999999 / 0 / 1]
8-463-002	F:PrtPGS/Ppr Type	Recycled	CTL*	[0 to 99999999 / 0 / 1]
8-463-003	F:PrtPGS/Ppr Type	Special	CTL*	[0 to 99999999 / 0 / 1]
8-463-004	F:PrtPGS/Ppr Type	Thick	CTL*	[0 to 99999999 / 0 / 1]
8-463-005	F:PrtPGS/Ppr Type	Normal (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-463-006	F:PrtPGS/Ppr Type	Thick (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-463-007	F:PrtPGS/Ppr Type	OHP	CTL*	[0 to 99999999 / 0 / 1]
8-463-008	F:PrtPGS/Ppr Type	Other	CTL*	[0 to 99999999 / 0 / 1]
8-464-001	P:PrtPGS/Ppr Type	Normal	CTL*	[0 to 99999999 / 0 / 1]
8-464-002	P:PrtPGS/Ppr Type	Recycled	CTL*	[0 to 99999999 / 0 / 1]
8-464-003	P:PrtPGS/Ppr Type	Special	CTL*	[0 to 99999999 / 0 / 1]
8-464-004	P:PrtPGS/Ppr Type	Thick	CTL*	[0 to 99999999 / 0 / 1]
8-464-	P:PrtPGS/Ppr Type	Normal (Back)	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				1]
8-464- 006	P:PrtPGS/Ppr Type	Thick (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-464- 007	P:PrtPGS/Ppr Type	OHP	CTL*	[0 to 99999999 / 0 / 1]
8-464- 008	P:PrtPGS/Ppr Type	Other	CTL*	[0 to 99999999 / 0 / 1]
8-466- 001	L:PrtPGS/Ppr Type	Normal	CTL*	[0 to 99999999 / 0 / 1]
8-466- 002	L:PrtPGS/Ppr Type	Recycled	CTL*	[0 to 99999999 / 0 / 1]
8-466- 003	L:PrtPGS/Ppr Type	Special	CTL*	[0 to 99999999 / 0 / 1]
8-466- 004	L:PrtPGS/Ppr Type	Thick	CTL*	[0 to 99999999 / 0 / 1]
8-466- 005	L:PrtPGS/Ppr Type	Normal (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-466- 006	L:PrtPGS/Ppr Type	Thick (Back)	CTL*	[0 to 99999999 / 0 / 1]
8-466- 007	L:PrtPGS/Ppr Type	OHP	CTL*	[0 to 99999999 / 0 / 1]
8-466- 008	L:PrtPGS/Ppr Type	Other	CTL*	[0 to 99999999 / 0 / 1]
8-471- 001	PrtPGS/Mag	~49%	CTL*	[0 to 99999999 / 0 / 1]
8-471- 002	PrtPGS/Mag	50%~99%	CTL*	[0 to 99999999 / 0 / 1]
8-471- 003	PrtPGS/Mag	100%	CTL*	[0 to 99999999 / 0 / 1]
8-471- 004	PrtPGS/Mag	101%~200%	CTL*	[0 to 99999999 / 0 / 1]
8-471- 005	PrtPGS/Mag	201% ~	CTL*	[0 to 99999999 / 0 / 1]
8-481- 001	T:PrtPGS/TonSave		CTL*	[0 to 99999999 / 0 / 1]
8-484-	P:PrtPGS/TonSave		CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				1]
8-491-001	T:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-491-002	T:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-491-003	T:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-491-004	T:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-491-051	T:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-491-052	T:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-491-053	T:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-491-054	T:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-492-001	C:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-492-002	C:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-492-003	C:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-492-004	C:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-492-051	C:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-492-052	C:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-492-053	C:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-492-054	C:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-493-001	F:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-493-	F:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				1]
8-493-003	F:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-493-004	F:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-493-051	F:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-493-052	F:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-493-053	F:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-493-054	F:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-496-001	L:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-496-002	L:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-496-003	L:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-496-004	L:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-496-051	L:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-496-052	L:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-496-053	L:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-496-054	L:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-497-001	O:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-497-002	O:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-497-003	O:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-497-	O:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
004				1]
8-497- 051	O:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-497- 052	O:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-497- 053	O:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-497- 054	O:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]

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SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
8-501-001	T:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-501-002	T:PrtPGS/Col Mode	Mono Color	CTL*	[0 to 99999999 / 0 / 1]
8-501-003	T:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-501-004	T:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-501-005	T:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-501-051	T:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-501-052	T:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-501-053	T:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-501-054	T:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-504-001	P:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-504-002	P:PrtPGS/Col Mode	Mono Color	CTL*	[0 to 99999999 / 0 / 1]
8-504-003	P:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-504-004	P:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-504-005	P:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-504-051	P:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-504-052	P:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-504-053	P:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-504-054	P:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
054				
8-507-001	O:PrtPGS/Col Mode	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-507-002	O:PrtPGS/Col Mode	Mono Color	CTL*	[0 to 99999999 / 0 / 1]
8-507-003	O:PrtPGS/Col Mode	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-507-004	O:PrtPGS/Col Mode	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-507-005	O:PrtPGS/Col Mode	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-507-051	O:PrtPGS/Col Mode	B/W(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-507-052	O:PrtPGS/Col Mode	Full Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-507-053	O:PrtPGS/Col Mode	Single Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-507-054	O:PrtPGS/Col Mode	Two Color(Banner)	CTL*	[0 to 99999999 / 0 / 1]
8-511-001	T:PrtPGS/Emul	RPCS	CTL*	[0 to 99999999 / 0 / 1]
8-511-002	T:PrtPGS/Emul	RPDL	CTL*	[0 to 99999999 / 0 / 1]
8-511-003	T:PrtPGS/Emul	PS3	CTL*	[0 to 99999999 / 0 / 1]
8-511-004	T:PrtPGS/Emul	R98	CTL*	[0 to 99999999 / 0 / 1]
8-511-005	T:PrtPGS/Emul	R16	CTL*	[0 to 99999999 / 0 / 1]
8-511-006	T:PrtPGS/Emul	GL/GL2	CTL*	[0 to 99999999 / 0 / 1]
8-511-007	T:PrtPGS/Emul	R55	CTL*	[0 to 99999999 / 0 / 1]
8-511-008	T:PrtPGS/Emul	RTIFF	CTL*	[0 to 99999999 / 0 / 1]
8-511-	T:PrtPGS/Emul	PDF	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
009				
8-511-010	T:PrtPGS/Emul	PCL5e/5c	CTL*	[0 to 99999999 / 0 / 1]
8-511-011	T:PrtPGS/Emul	PCL XL	CTL*	[0 to 99999999 / 0 / 1]
8-511-012	T:PrtPGS/Emul	IPDL-C	CTL*	[0 to 99999999 / 0 / 1]
8-511-013	T:PrtPGS/Emul	BM-Links	CTL*	[0 to 99999999 / 0 / 1]
8-511-014	T:PrtPGS/Emul	Other	CTL*	[0 to 99999999 / 0 / 1]
8-511-015	T:PrtPGS/Emul	IPDS	CTL*	[0 to 99999999 / 0 / 1]
8-511-016	T:PrtPGS/Emul	XPS	CTL*	[0 to 99999999 / 0 / 1]
8-514-001	P:PrtPGS/Emul	RPCS	CTL*	[0 to 99999999 / 0 / 1]
8-514-002	P:PrtPGS/Emul	RPDL	CTL*	[0 to 99999999 / 0 / 1]
8-514-003	P:PrtPGS/Emul	PS3	CTL*	[0 to 99999999 / 0 / 1]
8-514-004	P:PrtPGS/Emul	R98	CTL*	[0 to 99999999 / 0 / 1]
8-514-005	P:PrtPGS/Emul	R16	CTL*	[0 to 99999999 / 0 / 1]
8-514-006	P:PrtPGS/Emul	GL/GL2	CTL*	[0 to 99999999 / 0 / 1]
8-514-007	P:PrtPGS/Emul	R55	CTL*	[0 to 99999999 / 0 / 1]
8-514-008	P:PrtPGS/Emul	RTIFF	CTL*	[0 to 99999999 / 0 / 1]
8-514-009	P:PrtPGS/Emul	PDF	CTL*	[0 to 99999999 / 0 / 1]
8-514-010	P:PrtPGS/Emul	PCL5e/5c	CTL*	[0 to 99999999 / 0 / 1]
8-514-	P:PrtPGS/Emul	PCL XL	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
011				
8-514-012	P:PrtPGS/Emul	IPDL-C	CTL*	[0 to 99999999 / 0 / 1]
8-514-013	P:PrtPGS/Emul	BM-Links	CTL*	[0 to 99999999 / 0 / 1]
8-514-014	P:PrtPGS/Emul	Other	CTL*	[0 to 99999999 / 0 / 1]
8-514-015	P:PrtPGS/Emul	IPDS	CTL*	[0 to 99999999 / 0 / 1]
8-514-016	P:PrtPGS/Emul	XPS	CTL*	[0 to 99999999 / 0 / 1]
8-521-001	T:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-521-002	T:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-521-003	T:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-521-004	T:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-521-005	T:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-006	T:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-521-007	T:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-521-008	T:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-009	T:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-010	T:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-011	T:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-012	T:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-521-	T:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
013				
8-521-014	T:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-521-015	T:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-521-016	T:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-522-001	C:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-522-002	C:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-522-003	C:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-522-004	C:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-522-005	C:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-006	C:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-522-007	C:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-522-008	C:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-009	C:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-010	C:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-011	C:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-012	C:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-522-013	C:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-522-014	C:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-522-	C:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
015				
8-522-016	C:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-523-001	F:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-523-002	F:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-523-003	F:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-523-004	F:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-523-005	F:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-006	F:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-523-007	F:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-523-008	F:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-009	F:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-010	F:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-011	F:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-012	F:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-523-013	F:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-523-014	F:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-523-015	F:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-523-016	F:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-524-	P:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				
8-524-002	P:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-524-003	P:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-524-004	P:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-524-005	P:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-006	P:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-524-007	P:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-524-008	P:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-009	P:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-010	P:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-011	P:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-012	P:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-524-013	P:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-524-014	P:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-524-015	P:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-524-016	P:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-525-001	S:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-525-002	S:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-525-	S:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				
8-525-004	S:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-525-005	S:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-006	S:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-525-007	S:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-525-008	S:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-009	S:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-010	S:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-011	S:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-012	S:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-525-013	S:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-525-014	S:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-525-015	S:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-525-016	S:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-526-001	L:PrtPGS/FIN	Sort	CTL*	[0 to 99999999 / 0 / 1]
8-526-002	L:PrtPGS/FIN	Stack	CTL*	[0 to 99999999 / 0 / 1]
8-526-003	L:PrtPGS/FIN	Staple	CTL*	[0 to 99999999 / 0 / 1]
8-526-004	L:PrtPGS/FIN	Booklet	CTL*	[0 to 99999999 / 0 / 1]
8-526-	L:PrtPGS/FIN	Z-Fold	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				
8-526-006	L:PrtPGS/FIN	Punch	CTL*	[0 to 99999999 / 0 / 1]
8-526-007	L:PrtPGS/FIN	Other	CTL*	[0 to 99999999 / 0 / 1]
8-526-008	L:PrtPGS/FIN	Inside-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-526-009	L:PrtPGS/FIN	Three-IN-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-526-010	L:PrtPGS/FIN	Three-OUT-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-526-011	L:PrtPGS/FIN	Four-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-526-012	L:PrtPGS/FIN	KANNON-Fold	CTL*	[0 to 99999999 / 0 / 1]
8-526-013	L:PrtPGS/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-526-014	L:PrtPGS/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-526-015	L:PrtPGS/FIN	3rd Vendor	CTL*	[0 to 99999999 / 0 / 1]
8-526-016	L:PrtPGS/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-531-001	Staple	Staples	CTL*	[0 to 99999999 / 0 / 1]
8-531-002	Staple	Stapless	CTL*	[0 to 99999999 / 0 / 1]
8-551-001	T:PrtBooks/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-551-002	T:PrtBooks/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-551-003	T:PrtBooks/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-552-001	C:PrtBooks/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-552-	C:PrtBooks/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				
8-552-003	C:PrtBooks/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-554-001	P:PrtBooks/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-554-002	P:PrtBooks/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-554-003	P:PrtBooks/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-556-001	L:PrtBooks/FIN	Perfect-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-556-002	L:PrtBooks/FIN	Ring-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-556-003	L:PrtBooks/FIN	TwinLoop-Bind	CTL*	[0 to 99999999 / 0 / 1]
8-561-001	T:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-561-002	T:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-561-003	T:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-561-004	T:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-562-001	C:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-562-002	C:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-562-003	C:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-562-004	C:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-563-001	F:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-563-002	F:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-563-	F:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				
8-563-004	F:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-564-001	P:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-564-002	P:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-564-003	P:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-564-004	P:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-566-001	L:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-566-002	L:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-566-003	L:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-566-004	L:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-567-001	O:A Sheet Of Paper	Total: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-567-002	O:A Sheet Of Paper	Total: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-567-003	O:A Sheet Of Paper	Duplex: Over A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-567-004	O:A Sheet Of Paper	Duplex: Under A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-581-001	T:Counter	Total	CTL*	[0 to 99999999 / 0 / 1]
8-581-002	T:Counter	Total: Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-581-003	T:Counter	B&W/Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-581-004	T:Counter	Development: CMY	CTL*	[0 to 99999999 / 0 / 1]
8-581-	T:Counter	Development: K	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
005				
8-581-006	T:Counter	Copy: Color	CTL*	[0 to 99999999 / 0 / 1]
8-581-007	T:Counter	Copy: B/W	CTL*	[0 to 99999999 / 0 / 1]
8-581-008	T:Counter	Print: Color	CTL*	[0 to 99999999 / 0 / 1]
8-581-009	T:Counter	Print: B/W	CTL*	[0 to 99999999 / 0 / 1]
8-581-010	T:Counter	Total: Color	CTL*	[0 to 99999999 / 0 / 1]
8-581-011	T:Counter	Total: B/W	CTL*	[0 to 99999999 / 0 / 1]
8-581-012	T:Counter	Full Color: A3	CTL*	[0 to 99999999 / 0 / 1]
8-581-013	T:Counter	Full Color: B4 JIS or Smaller	CTL*	[0 to 99999999 / 0 / 1]
8-581-014	T:Counter	Full Color Print	CTL*	[0 to 99999999 / 0 / 1]
8-581-015	T:Counter	Mono Color Print	CTL*	[0 to 99999999 / 0 / 1]
8-581-016	T:Counter	Full Color GPC	CTL*	[0 to 99999999 / 0 / 1]
8-581-017	T:Counter	Twin Color Mode Print	CTL*	[0 to 99999999 / 0 / 1]
8-581-018	T:Counter	Full Color Print(Twin)	CTL*	[0 to 99999999 / 0 / 1]
8-581-019	T:Counter	Mono Color Print(Twin)	CTL*	[0 to 99999999 / 0 / 1]
8-581-020	T:Counter	Full Color Total(CV)	CTL*	[0 to 99999999 / 0 / 1]
8-581-021	T:Counter	Mono Color Total(CV)	CTL*	[0 to 99999999 / 0 / 1]
8-581-022	T:Counter	Full Color Print(CV)	CTL*	[0 to 99999999 / 0 / 1]
8-581-	T:Counter	Development: CMY(A3)	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
028				
8-581-029	T:Counter	Development: K(A3)	CTL*	[0 to 99999999 / 0 / 1]
8-581-030	T:Counter	Total: Color(A3)	CTL*	[0 to 99999999 / 0 / 1]
8-581-031	T:Counter	Total: B/W(A3)	CTL*	[0 to 99999999 / 0 / 1]
8-581-033	T:Counter	Fifth Station Total	CTL*	[0 to 99999999 / 0 / 1]
8-581-036	T:Counter	Single Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-581-037	T:Counter	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-581-038	T:Counter	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-581-039	T:Counter	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-581-040	T:Counter	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-581-041	T:Counter	Development: Fifth Station	CTL*	[0 to 99999999 / 0 / 1]
8-582-001	C:Counter	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-582-002	C:Counter	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-582-003	C:Counter	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-582-004	C:Counter	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-583-001	F:Counter	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-583-002	F:Counter	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-584-001	P:Counter	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-584-	P:Counter	Mono Color	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				
8-584-003	P:Counter	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-584-004	P:Counter	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-584-005	P:Counter	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-586-001	L:Counter	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-586-002	L:Counter	Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-586-003	L:Counter	Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-586-004	L:Counter	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-591-001	O:Counter	A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-591-002	O:Counter	Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-591-005	O:Counter	Banner	CTL*	[0 to 99999999 / 0 / 1]
8-601-001	T:Coverage Counter	B/W	CTL*	[0 to 2147483647 / 0 / 1%]
8-601-002	T:Coverage Counter	Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-601-011	T:Coverage Counter	B/W Printing Pages	CTL*	[0 to 99999999 / 0 / 1]
8-601-012	T:Coverage Counter	Color Printing Pages	CTL*	[0 to 99999999 / 0 / 1]
8-601-021	T:Coverage Counter	Coverage Counter 1	CTL*	[0 to 99999999 / 0 / 1]
8-601-022	T:Coverage Counter	Coverage Counter 2	CTL*	[0 to 99999999 / 0 / 1]
8-601-023	T:Coverage Counter	Coverage Counter 3	CTL*	[0 to 99999999 / 0 / 1]
8-601-	Coverage Counter	Coverage Counter 1 (YMC)	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
031				
8-601-032	Coverage Counter	Coverage Counter 2 (YMC)	CTL*	[0 to 99999999 / 0 / 1]
8-601-033	Coverage Counter	Coverage Counter 3 (YMC)	CTL*	[0 to 99999999 / 0 / 1]
8-601-081	T:Coverage Counter	Fifth Station 1	CTL*	[0 to 2147483647 / 0 / 1%]
8-601-082	T:Coverage Counter	Fifth Station 2	CTL*	[0 to 2147483647 / 0 / 1%]
8-601-083	T:Coverage Counter	Fifth Station 3	CTL*	[0 to 2147483647 / 0 / 1%]
8-601-084	T:Coverage Counter	Fifth Station 4	CTL*	[0 to 2147483647 / 0 / 1%]
8-602-001	C:Coverage Counter	B/W	CTL*	[0 to 2147483647 / 0 / 1%]
8-602-002	C:Coverage Counter	Single Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-602-003	C:Coverage Counter	Two Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-602-004	C:Coverage Counter	Full Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-603-001	F:Coverage Counter	B/W	CTL*	[0 to 2147483647 / 0 / 1%]
8-603-002	F:Coverage Counter	Single Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-604-001	P:Coverage Counter	B/W	CTL*	[0 to 2147483647 / 0 / 1%]
8-604-002	P:Coverage Counter	Single Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-604-003	P:Coverage Counter	Two Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-604-004	P:Coverage Counter	Full Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-606-001	L:Coverage Counter	B/W	CTL*	[0 to 2147483647 / 0 / 1%]
8-606-	L:Coverage Counter	Single Color	CTL*	[0 to 2147483647 / 0 /

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				1%]
8-606-003	L:Coverage Counter	Two Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-606-004	L:Coverage Counter	Full Color	CTL*	[0 to 2147483647 / 0 / 1%]
8-617-001	SDK Apli Counter	SDK-1	CTL*	[0 to 99999999 / 0 / 1]
8-617-002	SDK Apli Counter	SDK-2	CTL*	[0 to 99999999 / 0 / 1]
8-617-003	SDK Apli Counter	SDK-3	CTL*	[0 to 99999999 / 0 / 1]
8-617-004	SDK Apli Counter	SDK-4	CTL*	[0 to 99999999 / 0 / 1]
8-617-005	SDK Apli Counter	SDK-5	CTL*	[0 to 99999999 / 0 / 1]
8-617-006	SDK Apli Counter	SDK-6	CTL*	[0 to 99999999 / 0 / 1]
8-617-007	SDK Apli Counter	SDK-7	CTL*	[0 to 99999999 / 0 / 1]
8-617-008	SDK Apli Counter	SDK-8	CTL*	[0 to 99999999 / 0 / 1]
8-617-009	SDK Apli Counter	SDK-9	CTL*	[0 to 99999999 / 0 / 1]
8-617-010	SDK Apli Counter	SDK-10	CTL*	[0 to 99999999 / 0 / 1]
8-617-011	SDK Apli Counter	SDK-11	CTL*	[0 to 99999999 / 0 / 1]
8-617-012	SDK Apli Counter	SDK-12	CTL*	[0 to 99999999 / 0 / 1]
8-621-001	Func Use Counter	Function-001	CTL*	[0 to 99999999 / 0 / 1]
8-621-002	Func Use Counter	Function-002	CTL*	[0 to 99999999 / 0 / 1]
8-621-003	Func Use Counter	Function-003	CTL*	[0 to 99999999 / 0 / 1]
8-621-004	Func Use Counter	Function-004	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
004				
8-621-005	Func Use Counter	Function-005	CTL*	[0 to 99999999 / 0 / 1]
8-621-006	Func Use Counter	Function-006	CTL*	[0 to 99999999 / 0 / 1]
8-621-007	Func Use Counter	Function-007	CTL*	[0 to 99999999 / 0 / 1]
8-621-008	Func Use Counter	Function-008	CTL*	[0 to 99999999 / 0 / 1]
8-621-009	Func Use Counter	Function-009	CTL*	[0 to 99999999 / 0 / 1]
8-621-010	Func Use Counter	Function-010	CTL*	[0 to 99999999 / 0 / 1]
8-621-011	Func Use Counter	Function-011	CTL*	[0 to 99999999 / 0 / 1]
8-621-012	Func Use Counter	Function-012	CTL*	[0 to 99999999 / 0 / 1]
8-621-013	Func Use Counter	Function-013	CTL*	[0 to 99999999 / 0 / 1]
8-621-014	Func Use Counter	Function-014	CTL*	[0 to 99999999 / 0 / 1]
8-621-015	Func Use Counter	Function-015	CTL*	[0 to 99999999 / 0 / 1]
8-621-016	Func Use Counter	Function-016	CTL*	[0 to 99999999 / 0 / 1]
8-621-017	Func Use Counter	Function-017	CTL*	[0 to 99999999 / 0 / 1]
8-621-018	Func Use Counter	Function-018	CTL*	[0 to 99999999 / 0 / 1]
8-621-019	Func Use Counter	Function-019	CTL*	[0 to 99999999 / 0 / 1]
8-621-020	Func Use Counter	Function-020	CTL*	[0 to 99999999 / 0 / 1]
8-621-021	Func Use Counter	Function-021	CTL*	[0 to 99999999 / 0 / 1]
8-621-	Func Use Counter	Function-022	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
022				
8-621-023	Func Use Counter	Function-023	CTL*	[0 to 99999999 / 0 / 1]
8-621-024	Func Use Counter	Function-024	CTL*	[0 to 99999999 / 0 / 1]
8-621-025	Func Use Counter	Function-025	CTL*	[0 to 99999999 / 0 / 1]
8-621-026	Func Use Counter	Function-026	CTL*	[0 to 99999999 / 0 / 1]
8-621-027	Func Use Counter	Function-027	CTL*	[0 to 99999999 / 0 / 1]
8-621-028	Func Use Counter	Function-028	CTL*	[0 to 99999999 / 0 / 1]
8-621-029	Func Use Counter	Function-029	CTL*	[0 to 99999999 / 0 / 1]
8-621-030	Func Use Counter	Function-030	CTL*	[0 to 99999999 / 0 / 1]
8-621-031	Func Use Counter	Function-031	CTL*	[0 to 99999999 / 0 / 1]
8-621-032	Func Use Counter	Function-032	CTL*	[0 to 99999999 / 0 / 1]
8-621-033	Func Use Counter	Function-033	CTL*	[0 to 99999999 / 0 / 1]
8-621-034	Func Use Counter	Function-034	CTL*	[0 to 99999999 / 0 / 1]
8-621-035	Func Use Counter	Function-035	CTL*	[0 to 99999999 / 0 / 1]
8-621-036	Func Use Counter	Function-036	CTL*	[0 to 99999999 / 0 / 1]
8-621-037	Func Use Counter	Function-037	CTL*	[0 to 99999999 / 0 / 1]
8-621-038	Func Use Counter	Function-038	CTL*	[0 to 99999999 / 0 / 1]
8-621-039	Func Use Counter	Function-039	CTL*	[0 to 99999999 / 0 / 1]
8-621-	Func Use Counter	Function-040	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
040				
8-621-041	Func Use Counter	Function-041	CTL*	[0 to 99999999 / 0 / 1]
8-621-042	Func Use Counter	Function-042	CTL*	[0 to 99999999 / 0 / 1]
8-621-043	Func Use Counter	Function-043	CTL*	[0 to 99999999 / 0 / 1]
8-621-044	Func Use Counter	Function-044	CTL*	[0 to 99999999 / 0 / 1]
8-621-045	Func Use Counter	Function-045	CTL*	[0 to 99999999 / 0 / 1]
8-621-046	Func Use Counter	Function-046	CTL*	[0 to 99999999 / 0 / 1]
8-621-047	Func Use Counter	Function-047	CTL*	[0 to 99999999 / 0 / 1]
8-621-048	Func Use Counter	Function-048	CTL*	[0 to 99999999 / 0 / 1]
8-621-049	Func Use Counter	Function-049	CTL*	[0 to 99999999 / 0 / 1]
8-621-050	Func Use Counter	Function-050	CTL*	[0 to 99999999 / 0 / 1]
8-621-051	Func Use Counter	Function-051	CTL*	[0 to 99999999 / 0 / 1]
8-621-052	Func Use Counter	Function-052	CTL*	[0 to 99999999 / 0 / 1]
8-621-053	Func Use Counter	Function-053	CTL*	[0 to 99999999 / 0 / 1]
8-621-054	Func Use Counter	Function-054	CTL*	[0 to 99999999 / 0 / 1]
8-621-055	Func Use Counter	Function-055	CTL*	[0 to 99999999 / 0 / 1]
8-621-056	Func Use Counter	Function-056	CTL*	[0 to 99999999 / 0 / 1]
8-621-057	Func Use Counter	Function-057	CTL*	[0 to 99999999 / 0 / 1]
8-621-058	Func Use Counter	Function-058	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
058				
8-621-059	Func Use Counter	Function-059	CTL*	[0 to 99999999 / 0 / 1]
8-621-060	Func Use Counter	Function-060	CTL*	[0 to 99999999 / 0 / 1]
8-621-061	Func Use Counter	Function-061	CTL*	[0 to 99999999 / 0 / 1]
8-621-062	Func Use Counter	Function-062	CTL*	[0 to 99999999 / 0 / 1]
8-621-063	Func Use Counter	Function-063	CTL*	[0 to 99999999 / 0 / 1]
8-621-064	Func Use Counter	Function-064	CTL*	[0 to 99999999 / 0 / 1]
8-631-001	T:FAX TX PGS	B/W(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-631-002	T:FAX TX PGS	Color(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-631-101	T:FAX TX PGS	B/W(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-631-102	T:FAX TX PGS	Color(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-633-001	F:FAX TX PGS	B/W(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-633-002	F:FAX TX PGS	Color(Tel)	CTL*	[0 to 99999999 / 0 / 1]
8-633-101	F:FAX TX PGS	B/W(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-633-102	F:FAX TX PGS	Color(Cloud)	CTL*	[0 to 99999999 / 0 / 1]
8-641-001	T:IFAX TX PGS	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-641-002	T:IFAX TX PGS	Color	CTL*	[0 to 99999999 / 0 / 1]
8-643-001	F:IFAX TX PGS	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-643-	F:IFAX TX PGS	Color	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				
8-651-001	T:S-to-Email PGS	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-651-002	T:S-to-Email PGS	Color	CTL*	[0 to 99999999 / 0 / 1]
8-655-001	S:S-to-Email PGS	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-655-002	S:S-to-Email PGS	Color	CTL*	[0 to 99999999 / 0 / 1]
8-661-001	T:Deliv PGS/Svr	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-661-002	T:Deliv PGS/Svr	Color	CTL*	[0 to 99999999 / 0 / 1]
8-665-001	S:Deliv PGS/Svr	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-665-002	S:Deliv PGS/Svr	Color	CTL*	[0 to 99999999 / 0 / 1]
8-671-001	T:Deliv PGS/PC	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-671-002	T:Deliv PGS/PC	Color	CTL*	[0 to 99999999 / 0 / 1]
8-675-001	S:Deliv PGS/PC	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-675-002	S:Deliv PGS/PC	Color	CTL*	[0 to 99999999 / 0 / 1]
8-681-001	T:PCFAX TXPGS		CTL*	[0 to 99999999 / 0 / 1]
8-683-001	F:PCFAX TXPGS		CTL*	[0 to 99999999 / 0 / 1]
8-691-001	T:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-692-001	C:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-693-001	F:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-694-	P:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				
8-695-001	S:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-696-001	L:TX PGS/LS		CTL*	[0 to 99999999 / 0 / 1]
8-701-001	TX PGS/Port	PSTN-1	CTL*	[0 to 99999999 / 0 / 1]
8-701-002	TX PGS/Port	PSTN-2	CTL*	[0 to 99999999 / 0 / 1]
8-701-003	TX PGS/Port	PSTN-3	CTL*	[0 to 99999999 / 0 / 1]
8-701-004	TX PGS/Port	ISDN(G3,G4)	CTL*	[0 to 99999999 / 0 / 1]
8-701-005	TX PGS/Port	Network	CTL*	[0 to 99999999 / 0 / 1]
8-711-001	T:Scan PGS/Comp	JPEG/JPEG2000	CTL*	[0 to 99999999 / 0 / 1]
8-711-002	T:Scan PGS/Comp	TIFF(Multi/Single)	CTL*	[0 to 99999999 / 0 / 1]
8-711-003	T:Scan PGS/Comp	PDF	CTL*	[0 to 99999999 / 0 / 1]
8-711-004	T:Scan PGS/Comp	Other	CTL*	[0 to 99999999 / 0 / 1]
8-711-005	T:Scan PGS/Comp	PDF/Comp	CTL*	[0 to 99999999 / 0 / 1]
8-711-006	T:Scan PGS/Comp	PDF/A	CTL*	[0 to 99999999 / 0 / 1]
8-711-007	T:Scan PGS/Comp	PDF(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-711-008	T:Scan PGS/Comp	PDF/Comp(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-711-009	T:Scan PGS/Comp	PDF/A(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-715-001	S:Scan PGS/Comp	JPEG/JPEG2000	CTL*	[0 to 99999999 / 0 / 1]
8-715-	S:Scan PGS/Comp	TIFF(Multi/Single)	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
002				
8-715-003	S:Scan PGS/Comp	PDF	CTL*	[0 to 99999999 / 0 / 1]
8-715-004	S:Scan PGS/Comp	Other	CTL*	[0 to 99999999 / 0 / 1]
8-715-005	S:Scan PGS/Comp	PDF/Comp	CTL*	[0 to 99999999 / 0 / 1]
8-715-006	S:Scan PGS/Comp	PDF/A	CTL*	[0 to 99999999 / 0 / 1]
8-715-007	S:Scan PGS/Comp	PDF(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-715-008	S:Scan PGS/Comp	PDF/Comp(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-715-009	S:Scan PGS/Comp	PDF/A(OCR)	CTL*	[0 to 99999999 / 0 / 1]
8-721-001	T:Deliv PGS/WSD/DSM	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-721-002	T:Deliv PGS/WSD/DSM	Color	CTL*	[0 to 99999999 / 0 / 1]
8-725-001	S:Deliv PGS/WSD/DSM	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-725-002	S:Deliv PGS/WSD/DSM	Color	CTL*	[0 to 99999999 / 0 / 1]
8-731-001	T:Scan PGS/Media	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-731-002	T:Scan PGS/Media	Color	CTL*	[0 to 99999999 / 0 / 1]
8-735-001	S:Scan PGS/Media	B/W	CTL*	[0 to 99999999 / 0 / 1]
8-735-002	S:Scan PGS/Media	Color	CTL*	[0 to 99999999 / 0 / 1]
8-741-001	RX PGS/Port	PSTN-1	CTL*	[0 to 99999999 / 0 / 1]
8-741-002	RX PGS/Port	PSTN-2	CTL*	[0 to 99999999 / 0 / 1]
8-741-003	RX PGS/Port	PSTN-3	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				
8-741-004	RX PGS/Port	ISDN(G3,G4)	CTL*	[0 to 99999999 / 0 / 1]
8-741-005	RX PGS/Port	Network	CTL*	[0 to 99999999 / 0 / 1]
8-771-001	Dev Counter	Total	CTL*	[0 to 99999999 / 0 / 1]
8-771-002	Dev Counter	K	CTL*	[0 to 99999999 / 0 / 1]
8-771-003	Dev Counter	Y	CTL*	[0 to 99999999 / 0 / 1]
8-771-004	Dev Counter	M	CTL*	[0 to 99999999 / 0 / 1]
8-771-005	Dev Counter	C	CTL*	[0 to 99999999 / 0 / 1]
8-771-101	Dev Counter	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-771-102	Dev Counter	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-771-103	Dev Counter	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-771-104	Dev Counter	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-781-001	Toner_Botol_Info.	BK	CTL*	[0 to 99999999 / 0 / 1]
8-781-002	Toner_Botol_Info.	Y	CTL*	[0 to 99999999 / 0 / 1]
8-781-003	Toner_Botol_Info.	M	CTL*	[0 to 99999999 / 0 / 1]
8-781-004	Toner_Botol_Info.	C	CTL*	[0 to 99999999 / 0 / 1]
8-781-101	Toner_Botol_Info.	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-781-102	Toner_Botol_Info.	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-781-	Toner_Botol_Info.	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
103				
8-781- 104	Toner_Botol_Info.	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-791- 001	LS Memory Remain		CTL*	[0 to 100 / 0 / 1%]
8-801- 001	Toner Remain	K	CTL*	[0 to 100 / 0 / 1%]
8-801- 002	Toner Remain	Y	CTL*	[0 to 100 / 0 / 1%]
8-801- 003	Toner Remain	M	CTL*	[0 to 100 / 0 / 1%]
8-801- 004	Toner Remain	C	CTL*	[0 to 100 / 0 / 1%]
8-801- 101	Toner Remain	Fifth Station	CTL*	[0 to 100 / 0 / 1%]
8-811- 001	Eco Counter	Eco Total	CTL*	[0 to 99999999 / 0 / 1]
8-811- 002	Eco Counter	Color	CTL*	[0 to 99999999 / 0 / 1]
8-811- 003	Eco Counter	Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-811- 004	Eco Counter	Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-811- 005	Eco Counter	Combine	CTL*	[0 to 99999999 / 0 / 1]
8-811- 006	Eco Counter	Color(%)	CTL*	[0 to 100 / 0 / 1%]
8-811- 007	Eco Counter	Full Color(%)	CTL*	[0 to 100 / 0 / 1%]
8-811- 008	Eco Counter	Duplex(%)	CTL*	[0 to 100 / 0 / 1%]
8-811- 009	Eco Counter	Combine(%)	CTL*	[0 to 100 / 0 / 1%]
8-811- 010	Eco Counter	Paper Cut(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-	Eco Counter	Sync Eco Total	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
051				
8-811-052	Eco Counter	Sync Color	CTL*	[0 to 99999999 / 0 / 1]
8-811-053	Eco Counter	Sync Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-811-054	Eco Counter	Sync Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-811-055	Eco Counter	Sync Combine	CTL*	[0 to 99999999 / 0 / 1]
8-811-056	Eco Counter	Sync Color(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-057	Eco Counter	Sync Full Color(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-058	Eco Counter	Sync Duplex(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-059	Eco Counter	Sync Combine(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-060	Eco Counter	Sync Paper Cut(%)	CTL*	[0 to 100 / 0 / 1%]
8-811-101	Eco Counter	Eco Totalr>Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-102	Eco Counter	Color>Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-103	Eco Counter	Full Color>Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-104	Eco Counter	Duplex>Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-105	Eco Counter	Combine>Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-106	Eco Counter	Color(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-107	Eco Counter	Full Color(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-108	Eco Counter	Duplex(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-	Eco Counter	Combine(%):Last	CTL*	[0 to 100 / 0 / 1%]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
109				
8-811-110	Eco Counter	Paper Cut(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-151	Eco Counter	Sync Eco Totalr:Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-152	Eco Counter	Sync Color:Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-153	Eco Counter	Sync Full Color:Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-154	Eco Counter	Sync Duplex:Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-155	Eco Counter	Sync Combine:Last	CTL*	[0 to 99999999 / 0 / 1]
8-811-156	Eco Counter	Sync Color(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-157	Eco Counter	Sync Full Color(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-158	Eco Counter	Sync Duplex(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-159	Eco Counter	Sync Combine(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-811-160	Eco Counter	Sync Paper Cut(%):Last	CTL*	[0 to 100 / 0 / 1%]
8-851-011	Cvr Cnt:0-10%	0~2%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-851-012	Cvr Cnt:0-10%	0~2%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-851-013	Cvr Cnt:0-10%	0~2%:M	CTL*	[0 to 99999999 / 0 / 1]
8-851-014	Cvr Cnt:0-10%	0~2%:C	CTL*	[0 to 99999999 / 0 / 1]
8-851-021	Cvr Cnt:0-10%	3~4%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-851-022	Cvr Cnt:0-10%	3~4%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-851-	Cvr Cnt:0-10%	3~4%:M	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
023				
8-851-024	Cvr Cnt:0-10%	3~4%:C	CTL*	[0 to 99999999 / 0 / 1]
8-851-031	Cvr Cnt:0-10%	5~7%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-851-032	Cvr Cnt:0-10%	5~7%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-851-033	Cvr Cnt:0-10%	5~7%:M	CTL*	[0 to 99999999 / 0 / 1]
8-851-034	Cvr Cnt:0-10%	5~7%:C	CTL*	[0 to 99999999 / 0 / 1]
8-851-041	Cvr Cnt:0-10%	8~10%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-851-042	Cvr Cnt:0-10%	8~10%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-851-043	Cvr Cnt:0-10%	8~10%:M	CTL*	[0 to 99999999 / 0 / 1]
8-851-044	Cvr Cnt:0-10%	8~10%:C	CTL*	[0 to 99999999 / 0 / 1]
8-851-111	Cvr Cnt:0-10%	0~2%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-851-112	Cvr Cnt:0-10%	0~2%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-851-113	Cvr Cnt:0-10%	0~2%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-851-114	Cvr Cnt:0-10%	0~2%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-851-121	Cvr Cnt:0-10%	3~4%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-851-122	Cvr Cnt:0-10%	3~4%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-851-123	Cvr Cnt:0-10%	3~4%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-851-124	Cvr Cnt:0-10%	3~4%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-851-	Cvr Cnt:0-10%	5~7%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
131				
8-851-132	Cvr Cnt:0-10%	5~7%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-851-133	Cvr Cnt:0-10%	5~7%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-851-134	Cvr Cnt:0-10%	5~7%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-851-141	Cvr Cnt:0-10%	8~10%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-851-142	Cvr Cnt:0-10%	8~10%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-851-143	Cvr Cnt:0-10%	8~10%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-851-144	Cvr Cnt:0-10%	8~10%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-861-001	Cvr Cnt:11-20%	BK	CTL*	[0 to 99999999 / 0 / 1]
8-861-002	Cvr Cnt:11-20%	Y	CTL*	[0 to 99999999 / 0 / 1]
8-861-003	Cvr Cnt:11-20%	M	CTL*	[0 to 99999999 / 0 / 1]
8-861-004	Cvr Cnt:11-20%	C	CTL*	[0 to 99999999 / 0 / 1]
8-861-101	Cvr Cnt:11-20%	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-861-102	Cvr Cnt:11-20%	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-861-103	Cvr Cnt:11-20%	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-861-104	Cvr Cnt:11-20%	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-871-001	Cvr Cnt:21-30%	BK	CTL*	[0 to 99999999 / 0 / 1]
8-871-002	Cvr Cnt:21-30%	Y	CTL*	[0 to 99999999 / 0 / 1]
8-871-003	Cvr Cnt:21-30%	M	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				
8-871-004	Cvr Cnt:21-30%	C	CTL*	[0 to 99999999 / 0 / 1]
8-871-101	Cvr Cnt:21-30%	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-871-102	Cvr Cnt:21-30%	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-871-103	Cvr Cnt:21-30%	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-871-104	Cvr Cnt:21-30%	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-881-001	Cvr Cnt:31%-	BK	CTL*	[0 to 99999999 / 0 / 1]
8-881-002	Cvr Cnt:31%-	Y	CTL*	[0 to 99999999 / 0 / 1]
8-881-003	Cvr Cnt:31%-	M	CTL*	[0 to 99999999 / 0 / 1]
8-881-004	Cvr Cnt:31%-	C	CTL*	[0 to 99999999 / 0 / 1]
8-881-011	Cvr Cnt:31%-	31~50%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-881-012	Cvr Cnt:31%-	31~50%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-881-013	Cvr Cnt:31%-	31~50%:M	CTL*	[0 to 99999999 / 0 / 1]
8-881-014	Cvr Cnt:31%-	31~50%:C	CTL*	[0 to 99999999 / 0 / 1]
8-881-021	Cvr Cnt:31%-	51~70%:BK	CTL*	[0 to 99999999 / 0 / 1]
8-881-022	Cvr Cnt:31%-	51~70%:Y	CTL*	[0 to 99999999 / 0 / 1]
8-881-023	Cvr Cnt:31%-	51~70%:M	CTL*	[0 to 99999999 / 0 / 1]
8-881-024	Cvr Cnt:31%-	51~70%:C	CTL*	[0 to 99999999 / 0 / 1]
8-881-	Cvr Cnt:31%-	71%~:BK	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
031				
8-881-032	Cvr Cnt:31%-	71%~:Y	CTL*	[0 to 99999999 / 0 / 1]
8-881-033	Cvr Cnt:31%-	71%~:M	CTL*	[0 to 99999999 / 0 / 1]
8-881-034	Cvr Cnt:31%-	71%~:C	CTL*	[0 to 99999999 / 0 / 1]
8-881-111	Cvr Cnt:31%-	31~50%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-881-112	Cvr Cnt:31%-	31~50%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-881-113	Cvr Cnt:31%-	31~50%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-881-114	Cvr Cnt:31%-	31~50%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-881-121	Cvr Cnt:31%-	51~70%:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-881-122	Cvr Cnt:31%-	51~70%:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-881-123	Cvr Cnt:31%-	51~70%:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-881-124	Cvr Cnt:31%-	51~70%:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-881-131	Cvr Cnt:31%-	71%~:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-881-132	Cvr Cnt:31%-	71%~:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-881-133	Cvr Cnt:31%-	71%~:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-881-134	Cvr Cnt:31%-	71%~:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-891-001	Page/Toner Bottle	BK	CTL*	[0 to 99999999 / 0 / 1]
8-891-002	Page/Toner Bottle	Y	CTL*	[0 to 99999999 / 0 / 1]
8-891-	Page/Toner Bottle	M	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
003				
8-891-004	Page/Toner Bottle	C	CTL*	[0 to 99999999 / 0 / 1]
8-891-101	Page/Toner Bottle	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-891-102	Page/Toner Bottle	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-891-103	Page/Toner Bottle	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-891-104	Page/Toner Bottle	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-901-001	Page/Toner_Prev1	BK	CTL*	[0 to 99999999 / 0 / 1]
8-901-002	Page/Toner_Prev1	Y	CTL*	[0 to 99999999 / 0 / 1]
8-901-003	Page/Toner_Prev1	M	CTL*	[0 to 99999999 / 0 / 1]
8-901-004	Page/Toner_Prev1	C	CTL*	[0 to 99999999 / 0 / 1]
8-901-101	Page/Toner_Prev1	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-901-102	Page/Toner_Prev1	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-901-103	Page/Toner_Prev1	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-901-104	Page/Toner_Prev1	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-911-001	Page/Toner_Prev2	BK	CTL*	[0 to 99999999 / 0 / 1]
8-911-002	Page/Toner_Prev2	Y	CTL*	[0 to 99999999 / 0 / 1]
8-911-003	Page/Toner_Prev2	M	CTL*	[0 to 99999999 / 0 / 1]
8-911-004	Page/Toner_Prev2	C	CTL*	[0 to 99999999 / 0 / 1]
8-911-	Page/Toner_Prev2	Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
101				
8-911-102	Page/Toner_Prev2	Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-911-103	Page/Toner_Prev2	Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]
8-911-104	Page/Toner_Prev2	Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-921-001	Cvr Cnt/Total	Coverage(%):BK	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-002	Cvr Cnt/Total	Coverage(%):Y	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-003	Cvr Cnt/Total	Coverage(%):M	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-004	Cvr Cnt/Total	Coverage(%):C	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-011	Cvr Cnt/Total	Coverage/P:BK	CTL*	[0 to 99999999 / 0 / 1]
8-921-012	Cvr Cnt/Total	Coverage/P:Y	CTL*	[0 to 99999999 / 0 / 1]
8-921-013	Cvr Cnt/Total	Coverage/P:M	CTL*	[0 to 99999999 / 0 / 1]
8-921-014	Cvr Cnt/Total	Coverage/P:C	CTL*	[0 to 99999999 / 0 / 1]
8-921-101	Cvr Cnt/Total	Coverage(%):Fifth Station 1	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-102	Cvr Cnt/Total	Coverage(%):Fifth Station 2	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-103	Cvr Cnt/Total	Coverage(%):Fifth Station 3	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-104	Cvr Cnt/Total	Coverage(%):Fifth Station 4	CTL*	[0 to 2147483647 / 0 / 1%]
8-921-111	Cvr Cnt/Total	Coverage/P:Fifth Station 1	CTL*	[0 to 99999999 / 0 / 1]
8-921-112	Cvr Cnt/Total	Coverage/P:Fifth Station 2	CTL*	[0 to 99999999 / 0 / 1]
8-921-	Cvr Cnt/Total	Coverage/P:Fifth Station 3	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
113				
8-921- 114	Cvr Cnt/Total	Coverage/P:Fifth Station 4	CTL*	[0 to 99999999 / 0 / 1]
8-941- 001	Machine Status	Operation Time	CTL*	[0 to 99999999 / 0 / 1]
8-941- 002	Machine Status	Standby Time	CTL*	[0 to 99999999 / 0 / 1]
8-941- 003	Machine Status	Energy Save Time	CTL*	[0 to 99999999 / 0 / 1]
8-941- 004	Machine Status	Low Power Time	CTL*	[0 to 99999999 / 0 / 1]
8-941- 005	Machine Status	Off Mode Time	CTL*	[0 to 99999999 / 0 / 1]
8-941- 006	Machine Status	SC	CTL*	[0 to 99999999 / 0 / 1]
8-941- 007	Machine Status	PrtJam	CTL*	[0 to 99999999 / 0 / 1]
8-941- 008	Machine Status	OrgJam	CTL*	[0 to 99999999 / 0 / 1]
8-941- 009	Machine Status	Supply PM Unit End	CTL*	[0 to 99999999 / 0 / 1]
8-951- 001	AddBook Register	User Code /User ID	CTL*	[0 to 99999 / 0 / 1]
8-951- 002	AddBook Register	Mail Address	CTL*	[0 to 99999 / 0 / 1]
8-951- 003	AddBook Register	Fax Destination	CTL*	[0 to 99999 / 0 / 1]
8-951- 004	AddBook Register	Group	CTL*	[0 to 99999 / 0 / 1]
8-951- 005	AddBook Register	Transfer Request	CTL*	[0 to 99999 / 0 / 1]
8-951- 006	AddBook Register	F-Code	CTL*	[0 to 99999 / 0 / 1]
8-951- 007	AddBook Register	Copy Program	CTL*	[0 to 255 / 0 / 1]
8-951-	AddBook Register	Fax Program	CTL*	[0 to 255 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
008				
8-951-009	AddBook Register	Printer Program	CTL*	[0 to 255 / 0 / 1]
8-951-010	AddBook Register	Scanner Program	CTL*	[0 to 255 / 0 / 1]
8-961-001	Electricity Status	Ctrl Standby Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-002	Electricity Status	STR Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-003	Electricity Status	Main Power Off Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-004	Electricity Status	Reading and Printing Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-005	Electricity Status	Printing Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-006	Electricity Status	Reading Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-007	Electricity Status	Eng Waiting Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-008	Electricity Status	Low Power State Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-009	Electricity Status	Silent State Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-010	Electricity Status	Heater Off State Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-011	Electricity Status	LCD on Time	CTL*	[0 to 99999999 / 0 / 1]
8-961-101	Electricity Status	Silent Print	CTL*	[0 to 99999999 / 0 / 1]
8-971-001	Unit Control	Engine Off Recovery Count	CTL*	[0 to 99999999 / 0 / 1]
8-971-002	Unit Control	Power Off Count	CTL*	[0 to 99999999 / 0 / 1]
8-971-003	Unit Control	Force Power Off Count	CTL*	[0 to 99999999 / 0 / 1]
8-999-	Admin. Counter List	Total	CTL*	[0 to 99999999 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
001				
8-999-002	Admin. Counter List	Copy: Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-003	Admin. Counter List	Copy: BW	CTL*	[0 to 99999999 / 0 / 1]
8-999-004	Admin. Counter List	Copy: Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-005	Admin. Counter List	Copy: Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-006	Admin. Counter List	Printer: Full Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-007	Admin. Counter List	Printer: BW	CTL*	[0 to 99999999 / 0 / 1]
8-999-008	Admin. Counter List	Printer: Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-009	Admin. Counter List	Printer: Two Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-010	Admin. Counter List	Fax Print: BW	CTL*	[0 to 99999999 / 0 / 1]
8-999-011	Admin. Counter List	Fax Print: Single Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-012	Admin. Counter List	A3/DLT	CTL*	[0 to 99999999 / 0 / 1]
8-999-013	Admin. Counter List	Duplex	CTL*	[0 to 99999999 / 0 / 1]
8-999-022	Admin. Counter List	Copy: Full Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-023	Admin. Counter List	Copy: BW(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-024	Admin. Counter List	Copy: Single Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-025	Admin. Counter List	Copy: Two Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-026	Admin. Counter List	Printer: Full Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-	Admin. Counter List	Printer: BW(%)	CTL*	[0 to 2147483647 / 0 / 1]

3.Service Program Mode

SP No.	Large Category	Small Category	ENG or ENG	[Min to Max/Init./Step]
027				
8-999-028	Admin. Counter List	Printer: Single Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-029	Admin. Counter List	Printer: Two Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-030	Admin. Counter List	Fax Print: BW(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-031	Admin. Counter List	Fax Print: Single Color(%)	CTL*	[0 to 2147483647 / 0 / 1]
8-999-032	Admin. Counter List	Banner	CTL*	[0 to 99999999 / 0 / 1]
8-999-101	Admin. Counter List	Transmission Total: Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-102	Admin. Counter List	Transmission Total: BW	CTL*	[0 to 99999999 / 0 / 1]
8-999-103	Admin. Counter List	FAX Transmission	CTL*	[0 to 99999999 / 0 / 1]
8-999-104	Admin. Counter List	Scanner Transmission: Color	CTL*	[0 to 99999999 / 0 / 1]
8-999-105	Admin. Counter List	Scanner Transmission: BW	CTL*	[0 to 99999999 / 0 / 1]

Input and Output Check

Input Check Table

5803	[INPUT Check]		
5-803-001	IOB_PIB_port01	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: Lubricant Residual Amount Switch/K (0: Near End, 1: Normal) Bit 5: Lubricant Residual Amount Switch/C (0: Near End, 1: Normal) Bit 6: Lubricant Residual Amount Switch/M (0: Near End, 1: Normal) Bit 7: Lubricant Residual Amount Switch/Y (0: Near End, 1: Normal)
5-803-002	IOB_PIB_port03	ENG	[0 to 255 / 0 / 1] Not used
5-803-003	IOB_PIB_port07	ENG	[0 to 255 / 0 / 1] Bit 0: Separation Power Pack error (0: Normal, 1: SC detected) Bit 2 to 5: Not used Bit 6: AC Transfer Power Pack error (0: Normal, 1: SC detected) Bit 7: Not used
5-803-004	IOB_PIB_port08	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Laser Unit Cooling Fan/Left: Lock signal (0: Normal, 1: Stopped/Locked) Bit 2: Laser Unit Cooling Fan/Right: Lock signal (0: Normal, 1: Stopped/Locked) Bit 3: Drum Cleaning Set detection/K (0: Set, 1: Not set) Bit 4: Drum Cleaning Set detection/C (0: Set, 1: Not set) Bit 5: Drum Cleaning Set detection/M (0: Set, 1: Not set) Bit 6: Drum Cleaning Set detection/Y (0: Set, 1: Not set) Bit 7: Not used
5-803-005	IOB_PIB_port09	ENG	[0 to 255 / 0 / 1] Bit 0 to 4: Not used Bit 5: Toner Supply Unit set detection (0: Set, 1: Not set) Bit 6: Toner Supply Unit door interlock switch (0: Closed, 1: Open) Bit 7: Not used
5-803-006	IOB_PIB_port12	ENG	[0 to 255 / 0 / 1] Bit 0: ID Sensor Cleaning Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 1: ITB Motor Cooling Fan: Lock signal (0: Normal, 1: Stopped/Locked)

3.Service Program Mode

5803	[INPUT Check]		
			Bit 2: Not used Bit 3: External watchdog detection (0: Detected, 1: Not detected) Bit 4: Transfer Power Pack error/K (0: Normal, 1: SC detected) Bit 5: Transfer Power Pack error/C (0: Normal, 1: SC detected) Bit 6: Transfer Power Pack error/M (0: Normal, 1: SC detected) Bit 7: Transfer Power Pack error/Y (0: Normal, 1: SC detected)
5-803-007	IOB_PIB_port23	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: LCT break release signal (0: Break, 1: Release) Bit 5: TSB break release signal (0: Break, 1: Release) Bit 6: TDCU break release signal (0: Break, 1: Release) Bit 7: Potential sensor power (0: Power Off, 1: Power On)
5-803-008	IOB_PIB_port27	ENG	[0 to 255 / 0 / 1] Bit 0: Development bias error/K (0: Normal, 1: SC detected) Bit 1: Development bias error/C (0: Normal, 1: SC detected) Bit 2: Development bias error/M (0: Normal, 1: SC detected) Bit 3: Development bias error/Y (0: Normal, 1: SC detected) Bit 4: Charge Power Pack error/K (0: Normal, 1: SC detected) Bit 5: Charge Power Pack error/C (0: Normal, 1: SC detected) Bit 6: Charge Power Pack error/M (0: Normal, 1: SC detected) Bit 7: Charge Power Pack error/Y (0: Normal, 1: SC detected)
5-803-009	IOB_PIB_EXINT	ENG	[0 to 255 / 0 / 1] Bit 0: OPC HP sensor/Y (0: Not HP, 1: HP) Bit 1: Development sleeve HP sensor/Y (0: Not HP, 1: HP) Bit 2: OPC HP sensor/M (0: Not HP, 1: HP) Bit 3: Development sleeve HP sensor/M (0: Not HP, 1: HP) Bit 4: OPC HP sensor/C (0: Not HP, 1: HP) Bit 5: Development sleeve HP sensor/C (0: Not HP, 1: HP) Bit 6: OPC HP sensor/K (0: Not HP, 1: HP) Bit 7: Development sleeve HP sensor/K (0: Not HP, 1: HP)
5-803-010	IOB_FSB_port01	ENG	[0 to 255 / 0 / 1] Not used
5-803-011	IOB_FSB_port02	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: AC controller set detection (0: Set, 1: Not set) Bit 2 to 7: Not used
5-803-012	IOB_FSB_port03	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used

5803	[INPUT Check]		
			Bit 4: Duplex Exhaust Fan/Rear: Lock signal (0: Normal, 1: Stopped/Locked) Bit 5: Fusing Pressure Roller Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 6: Ozone Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 7: Fusing Exit Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked)
5-803-013	IOB_FSB_port07	ENG	[0 to 255 / 0 / 1] Bit 0: IH inverter error (0: Normal, 1: IH error) Bit 1 to 3: Not used Bit 4: Waste toner collection motor: Lock signal (0: Normal, 1: Stopped/Locked) Bit 5 to 7: Not used
5-803-014	IOB_FSB_port08	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Fusing unit specification 0: Voltage (0: 200 V, 1: 100 V) Bit 2: Not used Bit 3: Fusing unit specification 2: Type (0: Pro 5200S/5210S, 1: MP C6503/C8003) Bit 4 to 6: Fusing unit specification 3 to 5: Model/Set detection (See table below.) Bit 7: Not used

Bit 6	Bit 5	Bit 4	Fusing Unit
0	0	0	Set / C3
0	0	1	Set / C2
0	1	0	Set / C1
0	1	1	Not set
1	0	0	Not set
1	0	1	Not set
1	1	0	Not set
1	1	1	Not set

5803	[INPUT Check]		
5-803-015	IOB_FSB_port09	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: 24VS1 output monitor (0: Normal output, 1: Abnormal)

3.Service Program Mode

5803	[INPUT Check]		
			output/OFF) Bit 5 to 7: Not used
5-803-016	IOB_FSB_port12	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Controller Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 2: Development Exhaust Fan/Right: Lock signal (0: Normal, 1: Stopped/Locked) Bit 3: Development Exhaust Fan/Left: Lock signal (0: Normal, 1: Stopped/Locked) Bit 4 to 7: Not used
5-803-017	IOB_FSB_port13	ENG	[0 to 255 / 0 / 1] Bit 0: Duplex Exhaust Fan/Middle: Lock signal (0: Normal, 1: Stopped/Locked) Bit 1: PSU Fan/Right: Lock signal (0: Normal, 1: Stopped/Locked) Bit 2: PSU Fan/Left: Lock signal (0: Normal, 1: Stopped/Locked) Bit 3: IH Coil Power Cooling Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 4: Paper Transfer Belt Fusing Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 5: Drive Exhaust Fan/Left: Lock signal (0: Normal, 1: Stopped/Locked) Bit 6: Duplex Exhaust Fan/Front: Lock signal (0: Normal, 1: Stopped/Locked) Bit 7: Not used
5-803-018	IOB_FSB_port17	ENG	[0 to 255 / 0 / 1] Bit 0: Heat Pipe Panel Intake Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 1:Heat Pipe Panel Exhaust Fan: Lock signal (0: Normal, 1: Stopped/Locked) Bit 2 to 3: Not used Bit 4: Fusing pressure cam position sensor/A (0: Not interrupted, 1: Interrupted) Bit 5: Fusing pressure cam position sensor/B (0: Not interrupted, 1: Interrupted) Bit 6 to 7: Not used
5-803-019	IOB_FSB_port21	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used

5803	[INPUT Check]		
			Bit 2: Development Motor/K: Maker (0: NMB, 1: NIDEC) Bit 3 to 7: Not used
5-803-020	IOB_FSB_port22	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: Waste toner collection motor lock sensor (0: Not interrupted, 1: Interrupted) Bit 5: Waste toner bottle set switch (0: Set, 1: Not set) Bit 6: Not used Bit 7: Waste toner bottle near-full sensor (0: Normal, 1: Near-full)
5-803-021	IOB_FSB_port23	ENG	[0 to 255 / 0 / 1] Bit 0: Development Motor/Y: Maker (0: NMB, 1: NIDEC) Bit 1 to 5: Not used Bit 6: Development Motor/M: Maker (0: NMB, 1: NIDEC) Bit 7: Not used
5-803-022	IOB_FSB_port25	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used Bit 2: Development Motor/C: Maker (0: NMB, 1: NIDEC) Bit 3 to 7: Not used
5-803-023	IOB_FSB_port26	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Fusing motor (BLM): Lock signal (0: Normal, 1: Stopped/Locked) Bit 2 to 6: Not used Bit 7: Mainframe waste toner motor (BLM): Lock signal (0: Normal, 1: Stopped/Locked)
5-803-024	IOB_FSB_port24	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Fusing roller synchronization pulse signal (0: Not interrupted, 1: Interrupted) Bit 2 to 7: Not used
5-803-025	IOB_FSB_port28	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Fusing Belt Smoothing Roller Contact Sensor (0: Not HP, 1: HP) Bit 2 to 4: Not used Bit 5: Fusing Belt Smoothing Roller Contact Motor (BLM): Lock signal (0: Normal, 1: Stopped/Locked) Bit 6 to 7: Not used
5-803-	IOB_FSB_port29	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

5803	[INPUT Check]		
026			Bit 0: Pressure Roller: High temperature (0: High temperature, 1: Normal) Bit 1: Hot Roller/Front: High temperature (0: High temperature, 1: Normal) Bit 2: Hot Roller/Middle: High temperature (0: High temperature, 1: Normal) Bit 3: Finisher: BREAK detection (0: BREAK, 1: BREAK off) Bit 4: Fusing exit sensor (0: Paper, 1: No paper) Bit 5 to 7: Not used
5-803-027	IOB_FSB_EXINT	ENG	[0 to 255 / 0 / 1] Bit 0: Fusing pressure cam position sensor/A (0: Not interrupted, 1: Interrupted) Bit 1: Interlock door open/close (0: Door closed, 1: Door open) Bit 2 to 3: Not used Bit 4: Zero cross 2 (0: Zero cross detected, 1: Normal) Bit 5 to 7: Not used
5-803-028	PFB_V1_port07	ENG	[0 to 255 / 0 / 1] Bit 0: Transport sensor 1 (0: Paper, 1: No paper) Bit 1: Transport sensor 2 (0: Paper, 1: No paper) Bit 2: Transport sensor 3 (0: Paper, 1: No paper) Bit 3: Transport sensor 4 (0: Paper, 1: No paper) Bit 4: Paper feed sensor 1 (0: Paper, 1: No paper) Bit 5: Paper feed sensor 2 (0: Paper, 1: No paper) Bit 6: Paper feed sensor 3 (0: Paper, 1: No paper) Bit 7: Paper feed sensor 4 (0: Paper, 1: No paper)
5-803-029	PFB_V1_port09	ENG	[0 to 255 / 0 / 1] Bit 0: Tandem tray set detection/left (0: Set, 1: Not set) Bit 1: Not used Bit 2: Bypass tray open/close (0: Closed, 1: Open) Bit 3: Not used Bit 4: Lower left door open/close (0: Closed, 1: Open) Bit 5: Drawer unit lock sensor (0 to 1: Lock, 1 to 0: Unlock) Bit 6: Vertical transport door open/close (0: Closed, 1: Open) Bit 7: Not used
5-803-030	PFB_V1_port19	ENG	[0 to 255 / 0 / 1] Bit 0: Rear Fence HP sensor (0: Not HP, 1: HP) Bit 1: Rear Fence Return Sensor (0: Not pressed, 1: Pressed) Bit 2: Left tray paper sensor (0: Paper, 1: No paper)

5803	[INPUT Check]		
			Bit 3 to 7: Not used
5-803-031	PFB_V1_port27	ENG	[0 to 255 / 0 / 1] Bit 0 to 5: Not used Bit 6: Duplex Invert Sensor (0: Paper, 1: No paper) Bit 7: Not used
5-803-032	PFB_V2_port07	ENG	[0 to 255 / 0 / 1] Bit 0: Decurl unit front door open/close (0: Closed, 1: Open) Bit 1: Decurl roller direction (0: Downward curl, 1: Upward curl) Bit 2: Decurler unit set detection (0: Set, 1: Not set) Bit 3: Decurl roller unit set detection (0: Set, 1: Not set) Bit 4: Soft roller HP sensor (0: Not HP, 1: HP) Bit 5: Decurl unit exit sensor (0: Paper, 1: No paper) Bit 6: Decurl unit entrance sensor (0: Paper, 1: No paper) Bit 7: Not used
5-803-033	PFB_V2_port08	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: Key Counter FB (0: Drive ON, 1: Drive OFF) Bit 5: Key Card set (0: Set, 1: Not set) Bit 6: Key Counter set (0: Set, 1: Not set) Bit 7: Not used
5-803-034	PFB_V2_port11	ENG	[0 to 255 / 0 / 1] Bit 0: Bypass Tray Paper End Sensor (0: Paper, 1: No paper = Paper end) Bit 1: Mainframe LED switch/left (0: ON, 1: OFF) Bit 2 to 7: Not used
5-803-035	PFB_V2_port13	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used Bit 2 to 6: Bypass Main Scan Length Sensor (See table below.) Bit 7: Not used

Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	SP5-803-037 Bit 2	NA	Other Area
0	1	1	1	1	0	HLT_SEF	A6_SEF
					1		
0	0	1	1	1	0		B6_SEF
					1		
1	0	1	1	1	0		A5_SEF
					1		

3.Service Program Mode

Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	SP5-803-037 Bit 2	NA	Other Area
1	0	0	1	1	0	B5_SEF	B5_SEF
					1		
1	1	0	1	1	0	LT_SEF / LG_SEF	A4_SEF
					1		HLT_LEF
1	1	0	0	1	0	DLT_SEF	B4_SEF
					1	Exe_LEF	B5_LEF
1	1	0	0	0	0	DLT_SEF	A3_SEF
					1	LT_LEF	A4_LEF
1	1	1	0	0	0	12"×18"_SEF	A3_SEF
					1	LT_LEF	A4_LEF
1	1	1	0	1	0	SRA3_SEF	SRA3_SEF
					1	LT_LEF	A4_LEF
1	1	1	1	1	0	13"×19"_SEF	13"×19"_SEF
					1	LT_LEF	A4_LEF

5803	[INPUT Check]		
5-803-036	PFB_V2_port14	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used Bit 2: Cleaning Web Contact Sensor (0: Separated, 1: In contact) Bit 3 to 7: Not used
5-803-037	PFB_V2_port15	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used Bit 2: Bypass Paper Length Sensor (0: Long paper, 1: Short paper) Bit 3 to 7: Not used
5-803-038	PFB_V2_port18	ENG	[0 to 255 / 0 / 1] Bit 0 to 1: Not used Bit 2: Tray 2 Paper Height Sensor 1 Bit 3: Tray 2 Paper Height Sensor 2 Bit 4: Tray 3 Paper Height Sensor 1 Bit 5: Tray 3 Paper Height Sensor 2 Bit 6: Tray 4 Paper Height Sensor 1 Bit 7: Tray 4 Paper Height Sensor 2 (See table below.)
5-803-039	PFB_V2_port19	ENG	[0 to 255 / 0 / 1] Bit 0: Tray 1 Upper Limit Sensor (0: Upper limit not reached, 1: Upper limit reached) Bit 1: Tray 2 Upper Limit Sensor (0: Upper limit not reached, 1: Upper

5803	[INPUT Check]		
			limit reached) Bit 2: Tray 3 Upper Limit Sensor (0: Upper limit not reached, 1: Upper limit reached) Bit 3: Tray 4 Upper Limit Sensor (0: Upper limit not reached, 1: Upper limit reached) Bit 4: Tray 1 Paper End Sensor (0: No paper, 1: Paper) Bit 5: Tray 2 Paper End Sensor (0: No paper, 1: Paper) Bit 6: Tray 3 Paper End Sensor (0: No paper, 1: Paper) Bit 7: Tray 4 Paper End Sensor (0: No paper, 1: Paper)

Paper End Sensor	Paper Height Sensor 1	Paper Height Sensor 2	Remaining Paper	Panel Display
0	0	0	100%	Four bars
0	1	0	70%	Three bars
0	1	1	30%	Two bars
0	0	1	10%	One bar
1	-	-	No paper	None

5803	[INPUT Check]		
5-803-040	PFB_V2_port24	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: Bypass Paper Feed Sensor (0: Paper, 1: No paper) Bit 5 to 7: Not used
5-803-041	PFB_V2_port29	ENG	[0 to 255 / 0 / 1] Bit 0 to 2: Not used Bit 3: DUB_UART Break (0: Break, 1: Break OFF) Bit 4 to 7: Not used
5-803-042	PFB_V2_EXINT	ENG	[0 to 255 / 0 / 1] Bit 0: Inverter Junction Gate Home Position Sensor/Rise (0: Not HP, 1: HP) Bit 1: Inverter Junction Gate Home Position Sensor/Fall (0: Not HP, 1: HP) Bit 2: Not used Bit 3: Sensor Shift Home Position Switch/Rise (0: Not HP, 1: HP) Bit 4: Sensor Shift Home Position Switch/Fall (0: Not HP, 1: HP) Bit 5 to 6: Not used Bit 7: Edge Detection Sensor 1 (0: Paper, 1: No paper)
5-803-	PFB_V3_port07	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

5803		[INPUT Check]	
043			Bit 0: Not used Bit 1: Rear End Fence Closed Sensor (0: End fence closed, 1: End fence open) Bit 2: Tandem tray down sensor (0: Not lower limit, 1: Lower limit) Bit 3: Tandem tray paper height sensor 1 (0: No paper, 1: Paper) Bit 4: Tandem tray paper height sensor 2 (0: No paper, 1: Paper) Bit 5: Tandem tray paper height sensor 3 (0: No paper, 1: Paper) Bit 6 to 7: Not used
5-803-044	PFB_V3_port13	ENG	[0 to 255 / 0 / 1] Bit 0 to 3: Not used Bit 4: Drawer set sensor (0: Drawer not set, 1: Drawer set) Bit 5: Not used Bit 6: Blown fuse detection D (0: Normal, 1: Abnormal) Bit 7: Not used
5-803-045	PFB_V3_port14	ENG	[0 to 255 / 0 / 1] Bit 0: Not used Bit 1: Duplex Exit Sensor (0: Paper, 1: No paper) Bit 2: Paper Exit Sensor (0: Paper, 1: No paper) Bit 3 to 7: Not used
5-803-046	PFB_V3_port15	ENG	[0 to 255 / 0 / 1] Bit 0: Paper exit full sensor (0: Not full, 1: Full) Bit 1: Paper Exit Relay Sensor (0: Paper, 1: No paper) Bit 2: Inverter Exit Sensor (0: Paper, 1: No paper) Bit 3 to 7: Not used
5-803-047	PFB_V3_port17	ENG	[0 to 255 / 0 / 1] Not used
5-803-048	PFB_V3_port18	ENG	[0 to 255 / 0 / 1] Bit 0: Tray 4 paper size switch/knob 4 Bit 1: Tray 4 paper size switch/knob 3 Bit 2: Tray 4 paper size switch/knob 2 Bit 3: Tray 4 paper size switch/knob 1 (See table below.) Bit 4: Right tray set sensor (0: Set, 1: Not set) Bit 5: Tray 2 set sensor (0: Set, 1: Not set) Bit 6: Tray 3 set sensor (0: Set, 1: Not set) Bit 7: Tray 4 set sensor (0: Set, 1: Not set)
5-803-049	PFB_V3_port19	ENG	[0 to 255 / 0 / 1] Bit 0: Tray 2 paper size switch/knob 4

5803	[INPUT Check]		
			Bit 1: Tray 2 paper size switch/knob 3 Bit 2: Tray 2 paper size switch/knob 2 Bit 3: Tray 2 paper size switch/knob 1 Bit 4: Tray 3 paper size switch/knob 4 Bit 5: Tray 3 paper size switch/knob 3 Bit 6: Tray 3 paper size switch/knob 2 Bit 7: Tray 3 paper size switch/knob 1 (See table below.)

Knob 4	Knob 3	Knob 2	Knob 1	NA	EU	AP/CHN/TWN/KOR
1	1	0	1	13"×19"	13"×19"	13"×19"
1	0	1	0	12"×18"	SRA3	SRA3
0	1	0	0	DLT	A3	A3
0	0	1	1	LG	B4	B4
0	1	1	1			
1	1	1	0	A4_SEF	A4_SEF	A4_SEF
1	1	0	0	LT_SEF	LT_SEF	LT_SEF
1	0	0	0	B5_SEF	B5_SEF	B5_SEF
0	0	0	1	LT_LEF	A4_LEF	A4_LEF
0	0	1	0	Exe_LEF	B5_LEF	B5_LEF
0	1	0	1	HLT_LEF	A5_LEF	A5_LEF

5803	[INPUT Check]		
5-803-050	PFB_V3_port22	ENG	[0 to 255 / 0 / 1] Bit 0 to 5: Not used Bit 6: Paper output tray cooling fan/LK (0: Normal, 1: Error) Bit 7: Not used
5-803-051	PFB_V3_port24	ENG	[0 to 255 / 0 / 1] Bit 0: Transport tank paper sensor (0: Paper, 1: No paper) Bit 1: Not used Bit 2: Relay sensor (0: Paper, 1: No paper) Bit 3: Inverter Feed-in Sensor (0: Paper, 1: No paper) Bit 4 to 7: Not used
5-803-052	PFB_V3_port25	ENG	[0 to 255 / 0 / 1] Bit 0: Drawer Set Sensor 2 (0: Drawer not set, 1:Drawer set)

3.Service Program Mode

5803	[INPUT Check]		
			Bit 1: Not used Bit 2: Shift roller home position sensor 1 (0: Not HP, 1: HP) Bit 3: Shift roller home position sensor 2 (0: Not HP, 1: HP) Bit 4: Vertical Transport Sensor (0: Paper, 1: No paper) Bit 5: Purged Paper Sensor (0: No paper, 1: Paper) Bit 6: Purge Relay Sensor (0: Paper, 1: No paper) Bit 7: Inverter Exit Sensor (0: Paper, 1: No paper)
5-803-053	PFB_V3_port30	ENG	[0 to 255 / 0 / 1] Bit 0: A3/11"x17" Tray Unit set detection (0: Tray set, 1: Tray not set) Bit 1: Bypass Tray Set Sensor (0: Set, 1: Not set) Bit 2: Bypass Tray Lower Limit Sensor (0: Not lower limit, 1: Lower limit) Bit 3: Bypass Tray Upper Limit Sensor (0: Not upper limit, 1: Upper limit) Bit 4 to 7: Not used
5-803-054	PFB_V3_EXINT	ENG	[0 to 255 / 0 / 1] Bit 0: Registration sensor/paper entrance (0: Paper, 1: No paper) Bit 1: Duplex Unit Entrance Sensor (0: Paper, 1: No paper) Bit 2: Registration sensor/paper exit (0: Paper, 1: No paper) Bit 3: Not used Bit 4: Duplex Unit Sensor 1 (0: Paper, 1: No paper) Bit 5: Duplex Unit Sensor 2 (0: Paper, 1: No paper) Bit 6: Duplex Unit Sensor 3 (0: Paper, 1: No paper) Bit 7: Duplex Unit Sensor 4 (0: Paper, 1: No paper)
5-803-055	DUB_port04	ENG	[0 to 255 / 0 / 1] Bit 0: IH Coil Power Cooling Fan lock sensor signal (0: Normal, 1: Abnormal) Bit 1: Fusing Pressure Roller Exhaust Fan lock sensor signal (0: Normal, 1: Abnormal) Bit 2: Paper Cooler HP Cooling Fan lock sensor signal (0: Normal, 1: Abnormal) Bit 3: Paper suction fan/rear lock sensor signal (0:

5803	[INPUT Check]		
			Normal, 1: Abnormal) Bit 4: Paper suction fan/front lock sensor signal (0: Normal, 1: Abnormal) Bit 5: Cleaning Web End Sensor (0: Web remaining, 1: Web end) Bit 6: Drawer Handle Sensor (0: Hand inserted, 1: Hand not inserted) Bit 7: Drawer lock motor (0: Abnormal, 1: Normal)
5-803-056	DUB_port05	ENG	[0 to 255 / 0 / 1] Bit 0: Inverter Exit Sensor (0: Paper, 1: No paper) Bit 1: Duplex Exit Sensor (0: Paper, 1: No paper) Bit 2: Duplex Unit Sensor 1 (0: Paper, 1: No paper) Bit 3: Duplex Unit Sensor 2 (0: Paper, 1: No paper) Bit 4: Duplex Unit Sensor 3 (0: Paper, 1: No paper) Bit 5: Duplex Unit Sensor 4 (0: Paper, 1: No paper) Bit 6: Duplex Invert Sensor (0: Paper, 1: No paper) Bit 7: Transport belt set sensor (0: Not set, 1: Set)
5-803-057	DUB_port06	ENG	[0 to 255 / 0 / 1] Bit 0: Registration Sensor (0: Paper, 1: No paper) Bit 1 to 4: Not used Bit 5: Relay Sensor (0: Paper, 1: No paper) Bit 6: Transport tank paper sensor (0: Paper, 1: No paper) Bit 7: Cleaning Web Set Sensor (0: Set, 1: Not set)
5-803-058	DUB_port07	ENG	[0 to 255 / 0 / 1] Bit 0 to 5: Not used Bit 6: Edge Detection Sensor (0: Paper, 1: No paper) Bit 7: Purge Relay Sensor (0: Paper, 1: No paper)
5-803-059	DUB_port08	ENG	[0 to 255 / 0 / 1] Bit 0: Paper Exit Relay Sensor (0: Paper, 1: No paper) Bit 1 to 6: Not used Bit 7: Duplex Unit Entrance Sensor (0: Paper, 1: No paper)
5-803-060	DUB_port09	ENG	[0 to 255 / 0 / 1] Bit 0 to 4: Not used Bit 5: Inverter Feed-in Sensor (0: Paper, 1: No paper) Bit 6: Inverter Exit Sensor (0: Paper, 1: No paper) Bit 7: Paper Exit Sensor (0: Paper, 1: No paper)
5-803-	DUB_port18	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

5803	[INPUT Check]		
061			Bit 0: Fusing exit guide plate open sensor (0: Closed, 1: Open) Bit 1: Not used Bit 2: Paper Exit Left Guide Plate Sensor (0: Closed, 1: Open) Bit 3: Not used Bit 4: Paper Exit Upper Guide Plate Sensor (0: Closed, 1: Open) Bit 5: Not used Bit 6: Registration upper guide plate open switch (0: Closed, 1: Open) Bit 7: Horizontal Feed Guide Plate Open Sensor (0: Closed, 1: Open)
5-803-062	DUB_port24	ENG	[0 to 255 / 0 / 1] Not used
5-803-063	TSB_port06	ENG	[0 to 255 / 0 / 1] Bit 0: ITB Cleaning Intake Fan error detection (0: Normal, 1: Abnormal) Bit 1 to 4: Not used Bit 5: ITB Cleaning Unit Set Sensor (0: Not set, 1: Set) Bit 6 to 7: Not used
5-803-064	TSB_port07	ENG	[0 to 255 / 0 / 1] Bit 0: Development Intake Fan/K error detection (0: Normal, 1: Abnormal) Bit 1: Development Intake Fan/C error detection (0: Normal, 1: Abnormal) Bit 2: Development Intake Fan/M error detection (0: Normal, 1: Abnormal) Bit 3: Development Intake Fan/Y error detection (0: Normal, 1: Abnormal) Bit 4: Toner End Sensor/K (0: Toner end, 1: Toner remaining) Bit 5: Toner End Sensor/C (0: Toner end, 1: Toner remaining) Bit 6: Toner End Sensor/M (0: Toner end, 1: Toner remaining) Bit 7: Toner End Sensor/Y (0: Toner end, 1: Toner remaining)

5803	[INPUT Check]		
5-803-065	Fuse_det	ENG	[0 to 255 / 0 / 1] Bit 0: Blown fuse detection/PFB 1 (0: Normal, 1: Error) Bit 1: Blown fuse detection/PFB 2 (0: Normal, 1: Error) Bit 2: Blown fuse detection/Cleaning Web Motor (0: Normal, 1: Error) Bit 3: Blown fuse detection/skew motor (0: Normal, 1: Error) Bit 4 to 7: Not used
5-803-082	A3LCT-CPU-Port1	ENG	[0 to 255 / 0 / 1] Bit 0: Front Cover openingclosing Detection Sensor (0: Open, 1: Close) Bit 1: Transport Sensor (0:Detected, 1: Not Detected) Bit 2: Exit Sensor (0: Detected, 1: Not Detected) Bit 3: Feed Sensor (0: Detected, 1: Not Detected) Bit 4: Paper End Detection Sensor (0: Detected, 1: Not Detected) Bit 5: Upper Limit Detection Sensor (0: Upper Limit, 1: No Upper Limit) Bit 6: Upper Left Cover opening-closing Detection Sensor (0: Open, 1: Close) Bit 7: Relay Sensor (0: Detected, 1: Not Detected)
5-803-083	A3LCT-CPU-Port2	ENG	[0 to 255 / 0 / 1] Bit 0: Remaining Detection Sensor 1 (0: Not Detected, 1: Detected) Bit 1: Remaining Detection Sensor 2 (0: Not Detected, 1: Detected) Bit 2: Remaining Detection Sensor 3 (0: Not Detected, 1: Detected) Bit 3: Remaining Detection Sensor 4 (0: Not Detected, 1: Detected) Bit 4: Size Detection Sensor 1 (0: Not Detected, 1: Detected) Bit 5: Size Detection Sensor 2 (0: Not Detected, 1: Detected) Bit 6: Size Detection Sensor 3 (0: Not Detected, 1: Detected) Bit 7: Length Detection Sensor (0: Not Detected, 1: Detected)

3.Service Program Mode

5803	[INPUT Check]		
5-803-084	A3LCT-CPU-Port4	ENG	[0 to 255 / 0 / 1] Bit 0: DIPSW1 (0: ON, 1: OFF) Bit 1: DIPSW2 (0: ON, 1: OFF) Bit 2: DIPSW3 (0: ON, 1: OFF) Bit 3: DIPSW4 (0: ON, 1: OFF) Bit 4: DIPSW5 (0: ON, 1: OFF) Bit 5: DIPSW6 (0: ON, 1: OFF) Bit 6: DIPSW7 (0: ON, 1: OFF) Bit 7: DIPSW8 (0: ON, 1: OFF)
5-803-085	A3LCT-CPU-PortA	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: - Bit 3: - Bit 4: - Bit 5: Alarm before Fan (0: Normal, 1: Not Normal) Bit 6: - Bit 7: Alarm after Fan (0: Normal, 1: Not Normal)
5-803-086	A3LCT-CPU-PortB	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: - Bit 3: - Bit 4: - Bit 5: Tray Set (0: Set, 1: Unset) Bit 6: - Bit 7: -
5-803-087	A3LCT-CPU-PortC	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: - Bit 3: Feed Unit Set Detection (0: Set, 1: Unset) Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-	A3LCT-CPU-PortD	ENG	[0 to 255 / 0 / 1]

5803	[INPUT Check]		
088			Bit 0: Feed Motor FAULT (0: Normal, 1: Not Normal) Bit 1: - Bit 2: - Bit 3: - Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-089	A3LCT-CPU-PortE	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: - Bit 3: - Bit 4: - Bit 5: - Bit 6: - Bit 7: Feed Motor STS0 (0: Ready, 1: E2PROM Download)
5-803-092	A3LCT-CPU-PortF	ENG	[0 to 255 / 0 / 1] Bit 0: Feed Motor STS0 (0: Ready, 1: E2PROM Download) Bit 1: Transport Motor FAULT (0: Normal, 1: Not Normal) Bit 2: - Bit 3: - Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-093	A3LCT-CPU-PortG	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: Feed Motor STS0 (0: Ready, 3: E2PROM Download) Bit 3: Transport Motor FAULT (0: Normal, 1: Not Normal) Bit 4: -

3.Service Program Mode

5803	[INPUT Check]		
			Bit 5: - Bit 6: - Bit 7: -
5-803-094	A4LCT-CPU-Port1	ENG	[0 to 255 / 0 / 1] Bit 0: Slide Detection Sensor 1 (0: Detected, 1: Not Detected) Bit 1: Slide Detection Sensor 2 (0: Detected, 1: Not Detected) Bit 2: Lower Limit Detection Sensor (0: No Lower Limit, 1: Lower Limit) Bit 3: Feed Sensor (0: Detected, 1: Not Detected) Bit 4: Paper End Detection Sensor (0: Detected, 1: Not Detected) Bit 5: Upper Limit Detection Sensor (0: Upper Limit, 1: No Upper Limit) Bit 6: Paper Detection Sensor (0: Detected, 1: Not Detected) Bit 7: Relay Sensor (0: Detected, 1: Not Detected)
5-803-095	A4LCT-CPU-Port2	ENG	[0 to 255 / 0 / 1] Bit 0: Remaining Detection Sensor 1 (0: Not Detected, 1: Detected) Bit 1: Remaining Detection Sensor 2 (0: Not Detected, 1: Detected) Bit 2: Remaining Detection Sensor 3 (0: Not Detected, 1: Detected) Bit 3: Remaining Detection Sensor 4 (0: Not Detected, 1: Detected) Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-096	A4LCT-CPU-Port4	ENG	[0 to 255 / 0 / 1] Bit 0: DIPSW1 (0: ON, 1: OFF) Bit 1: DIPSW2 (0: ON, 1: OFF) Bit 2: DIPSW3 (0: ON, 1: OFF) Bit 3: DIPSW4 (0: ON, 1: OFF) Bit 4: DIPSW5 (0: ON, 1: OFF) Bit 5: DIPSW6 (0: ON, 1: OFF)

5803	[INPUT Check]		
			Bit 6: DIPSW7 (0: ON, 1: OFF) Bit 7: DIPSW8 (0: ON, 1: OFF)
5-803-097	A4LCT-CPU-PortC	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: Paper Supply Cover opening-closing SW (0: Close, 1: Open) Bit 2: - Bit 3: - Bit 4: - Bit 5: Tray Down SW (0: ON, 1: OFF) Bit 6: - Bit 7: -
5-803-098	A4LCT-CPU-PortD	ENG	[0 to 255 / 0 / 1] Bit 0: Feed Motor FAULT (0: Not Normal, 1: Normal) Bit 1: - Bit 2: - Bit 3: - Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-099	A4LCT-CPU-PortF	ENG	[0 to 255 / 0 / 1] Bit 0: Feed Motor STS0 (0: Ready, 1: E2PROM Download) Bit 1: Transport Motor FAULT (0: Not Normal, 1: Normal) Bit 2: - Bit 3: - Bit 4: - Bit 5: - Bit 6: - Bit 7: -
5-803-100	A4LCT-CPU-PortG	ENG	[0 to 255 / 0 / 1] Bit 0: - Bit 1: - Bit 2: Feed Motor STS0 (0: Ready, 3: E2PROM Download) Bit 3: -

3.Service Program Mode

5803	[INPUT Check]		
			Bit 4: - Bit 1: - Bit 6: - Bit 7: -
5-803-101	1st Right Tray Set Detection	ENG	[0 to 1 / 0 / 1]
5-803-102	1st Left Tray Set Detection	ENG	[0 to 1 / 0 / 1]
5-803-103	Tray 2 Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-104	Tray 3 Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-105	Tray 4 Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-106	Tray 2 Size Detection SW	ENG	[0 to 15 / 0 / 1]
5-803-107	Tray 3 Size Detection SW	ENG	[0 to 15 / 0 / 1]
5-803-108	Tray 4 Size Detection SW	ENG	[0 to 15 / 0 / 1]
5-803-109	Bypass Main Scan Length Sensor	ENG	[0 to 31 / 0 / 1]
5-803-110	Bypass Sub Scan Length Sensor	ENG	[0 to 1 / 0 / 1]
5-803-111	Tray 1 Paper End Sensor	ENG	[0 to 1 / 0 / 1]
5-803-112	Tray 2 Paper End Sensor	ENG	[0 to 1 / 0 / 1]
5-803-113	Tray 3 Paper End Sensor	ENG	[0 to 1 / 0 / 1]
5-803-114	Tray 4 Paper End Sensor	ENG	[0 to 1 / 0 / 1]
5-803-115	Bypass Paper End Sensor	ENG	[0 to 1 / 0 / 1]
5-803-116	Left Tray Paper Detect Sensor	ENG	[0 to 1 / 0 / 1]
5-803-	Tray 1: Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]

5803	[INPUT Check]		
117			
5-803-118	Tray 2: Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-119	Tray 3: Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-120	Tray 4: Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-121	Tray 1: Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-122	Tray 1: Paper Height Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-123	Tray 1: Paper Height Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-124	Tray 1: Paper Height Sensor 3	ENG	[0 to 1 / 0 / 1]
5-803-125	Tray 2 Paper Height Detection 1	ENG	[0 to 1 / 0 / 1]
5-803-126	Tray 2 Paper Height Detection 2	ENG	[0 to 1 / 0 / 1]
5-803-127	Tray 3 Paper Height Detection 1	ENG	[0 to 1 / 0 / 1]
5-803-128	Tray 3 Paper Height Detection 2	ENG	[0 to 1 / 0 / 1]
5-803-129	Tray 4 Paper Height Detection 1	ENG	[0 to 1 / 0 / 1]
5-803-130	Tray 4 Paper Height Detection 2	ENG	[0 to 1 / 0 / 1]
5-803-131	Tray 1 Transport HP Detection Sn	ENG	[0 to 1 / 0 / 1]
5-803-132	Tray 1 Transport Press Detection Sn	ENG	[0 to 1 / 0 / 1]
5-803-133	Rear Side Fence Close Sensor	ENG	[0 to 1 / 0 / 1]
5-803-134	1st Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
5-803-135	2nd Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5803	[INPUT Check]		
5-803-136	3rd Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
5-803-137	4th Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
5-803-138	Bypass Feed Sensor	ENG	[0 to 1 / 0 / 1]
5-803-139	Transport Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-140	Transport Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-141	Transport Sensor 3	ENG	[0 to 1 / 0 / 1]
5-803-142	Transport Sensor 4	ENG	[0 to 1 / 0 / 1]
5-803-145	Main Unit Relay Sensor	ENG	[0 to 1 / 0 / 1]
5-803-146	Registration Sensor	ENG	[0 to 1 / 0 / 1]
5-803-147	Paper Exit Relay Sensor	ENG	[0 to 1 / 0 / 1]
5-803-148	Paper Exit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-149	Paper Exit Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
5-803-150	Inverter Entrance Sensor	ENG	[0 to 1 / 0 / 1]
5-803-151	Paper Exit Inverter Sensor	ENG	[0 to 1 / 0 / 1]
5-803-152	Inverter Exit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-153	Purge Relay Sensor	ENG	[0 to 1 / 0 / 1]
5-803-154	Purge Paper Sensor	ENG	[0 to 1 / 0 / 1]
5-803-155	Duplex Inverter Sensor	ENG	[0 to 1 / 0 / 1]
5-803-	Duplex Entrance Sensor	ENG	[0 to 1 / 0 / 1]

5803	[INPUT Check]		
156			
5-803-157	Duplex Transport Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-158	Duplex Transport Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-159	Duplex Transport Sensor 3	ENG	[0 to 1 / 0 / 1]
5-803-160	Duplex Transport Sensor 4	ENG	[0 to 1 / 0 / 1]
5-803-161	Duplex Exit Sensor	ENG	[0 to 1 / 0 / 1]
5-803-162	Inverter Entra Junc Solenoid Home Sensor	ENG	[0 to 1 / 0 / 1]
5-803-163	Heatpipe Unit Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-164	Roller HP Detect Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-165	Roller HP Detect Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-166	Sensor Shift Home Detect Sn	ENG	[0 to 1 / 0 / 1]
5-803-167	Edge Detect Sensor	ENG	[0 to 1 / 0 / 1]
5-803-168	Paper Feed 1 Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-169	Paper Feed 2 Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-170	Paper Feed 3 Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-171	Paper Feed 4 Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-172	Bypass Paper Feed Error	ENG	[0 to 31 / 0 / 1] 1: Detected

3.Service Program Mode

5803	[INPUT Check]		
			0: Not Detected
5-803-173	Transport Motor 1 Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-174	Transport Motor 2 Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-175	Transport Motor 3 Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-176	Transport Motor 4 Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-177	Main Unit Relay Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-178	Registration Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-180	Paper Exit Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-181	Paper Exit Inverter Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-182	Inverter Entrance Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-184	Duplex Inverter Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-185	Duplex Transport Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected
5-803-186	Duplex Exit Motor Error	ENG	[0 to 31 / 0 / 1] 1: Detected 0: Not Detected

5803	[INPUT Check]		
5-803-187	Bypass BotPlt Lower Limit Position Sn	ENG	[0 to 1 / 0 / 1]
5-803-188	Bypass BotPlt Upper Limit Position Sn	ENG	[0 to 1 / 0 / 1]
5-803-189	Bypass Tray Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-190	Regist Upper Guide Plate Sensor	ENG	[0 to 1 / 0 / 1]
5-803-191	Paper Exit Left Guide Plate Sensor	ENG	[0 to 1 / 0 / 1]
5-803-192	Paper Exit Upper Guide Plate Sensor	ENG	[0 to 1 / 0 / 1]
5-803-193	Horizontal Transport Guide Plate Sensor	ENG	[0 to 1 / 0 / 1]
5-803-194	Main Unit LED-SW Left (LED)	ENG	[0 to 1 / 0 / 1]
5-803-195	Main Unit LED-SW Right (LED)	ENG	[0 to 1 / 0 / 1]
5-803-200	HP Sensor	ENG	[0 to 1 / 0 / 1]
5-803-201	Platen Cover Sensor	ENG	[0 to 1 / 0 / 1]
5-803-202	Upper Right Cover Open Switch	ENG	[0 to 1 / 0 / 1]
5-803-203	Lower Right Cover Open Switch	ENG	[0 to 1 / 0 / 1]
5-803-204	Drawer Lock Sensor	ENG	[0 to 1 / 1 / 1]
5-803-205	Drawer Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-206	Drawer Knob Sensor	ENG	[0 to 1 / 0 / 1]
5-803-210	Buffer Pass Unit:CTB_H8S-Port9	ENG	[0 to 255 / 0 / 1]
5-803-211	Buffer Pass Unit:CTB_H8S-PortA	ENG	[0 to 255 / 0 / 1]
5-803-	Buffer Pass Unit:CTB_H8S-	ENG	[0 to 255 / 0 / 1]

3.Service Program Mode

5803	[INPUT Check]		
212	PortB		
5-803-213	Buffer Pass Unit:CTB_H8S-PortC	ENG	[0 to 255 / 0 / 1]
5-803-214	Buffer Pass Unit:CTB_H8S-PortD	ENG	[0 to 255 / 0 / 1]
5-803-215	Buffer Pass Unit:CTB_H8S-PortE	ENG	[0 to 255 / 0 / 1]

5803	[Input Check(Buffer Pass Unit)]		
5-804-245	Buffer Pass Unit:Feed Motor 1	ENG	[0 to 1 / 0 / 1]
5-804-246	Buffer Pass Unit:Feed Motor 2	ENG	[0 to 1 / 0 / 1]
5-804-247	Buffer Pass Unit:Cool Fan 1-2	ENG	[0 to 1 / 0 / 1]
5-804-248	Buffer Pass Unit:Exhaust Fan 1-2	ENG	[0 to 1 / 0 / 1]
5-804-249	Buffer Pass Unit:Cool Fan 3-4	ENG	[0 to 1 / 0 / 1]
5-804-250	Buffer Pass Unit:Exhaust Fan 3-4	ENG	[0 to 1 / 0 / 1]

6011	[1-Pass ADF INPUT Check]		
6-011-001	Original Length 1 (B5 Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-002	Original Length 2 (A4 Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-003	Original Length 3 (LG Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-004	Original Width 1	ENG	[0 to 1 / 0 / 1]
6-011-005	Original Width 2	ENG	[0 to 1 / 0 / 1]
6-011-006	Original Width 3	ENG	[0 to 1 / 0 / 1]
6-011-007	Original Width 4	ENG	[0 to 1 / 0 / 1]
6-011-008	Original Width 5	ENG	[0 to 1 / 0 / 1]
6-011-009	Original Detection	ENG	[0 to 1 / 0 / 1]
6-011-010	Separation Sensor	ENG	[0 to 1 / 0 / 1]
6-011-011	Skew Correction	ENG	[0 to 1 / 0 / 1]
6-011-012	Scan Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-011-013	Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-011-014	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-011-015	Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-011-016	Lift Up Sensor	ENG	[0 to 1 / 0 / 1]
6-011-018	Pick-Up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-011-021	Bottom Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-011-022	Bottom Plate Position Sensor	ENG	[0 to 1 / 0 / 1]
6-011-023	Original Length 4 (LT/A4 Tail Sensor)	ENG	[0 to 1 / 0 / 1]

6123	[INPUT Check: 2K/3K FIN]		
6-123-001	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-123-002	Horizontal Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-123-003	Switchback Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-123-004	Proof Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-123-005	Shift Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-123-006	Booklet Stapler Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-123-007	Paper Exit Open/Close Guide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-008	Punch HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-009	Punch Movement HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-010	S-to-S Registration Detection HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-011	Lower Junction Solenoid HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-012	Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-013	Hitroll HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-014	Feed Out Belt HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-015	Staple Moving HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-016	Booklet Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-017	Booklet Jogger HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-018	Booklet Jog Solenoid HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-019	Booklet Standard Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-020	Bklet Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-022	Folder Blade Cam HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-023	Fold Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-024	Shift Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-028	Drag Roller Vibrating HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-029	LE Guide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-030	TE Stack Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-031	Staple Tray Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-123-032	ITB Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-123-033	Booklet Stapler Transport Paper Sn: Upper	ENG	[0 to 1 / 0 / 1]
6-123-034	Booklet Stapler Transport Paper Sn: Lower	ENG	[0 to 1 / 0 / 1]
6-123-035	Paper Height Sensor: Shift	ENG	[0 to 1 / 0 / 1]
6-123-036	Corner Stapler Paper Height Sensor 1	ENG	[0 to 1 / 0 / 1]
6-123-037	Corner Stapler Paper Height Sensor 2	ENG	[0 to 1 / 0 / 1]
6-123-038	Proof Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
6-123-039	Booklet Stapler Full Sensor 1	ENG	[0 to 1 / 0 / 1]
6-123-040	Booklet Stapler Full Sensor 2	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6123	[INPUT Check: 2K/3K FIN]		
6-123-041	Punch Registratiion Detection Sensor	ENG	[0 to 1 / 0 / 1]
6-123-042	Punch RPS Sensor	ENG	[0 to 1 / 0 / 1]
6-123-043	Corner Stapler Leading Edge Detection Sensor	ENG	[0 to 1 / 0 / 1]
6-123-044	Corner Stapler Staple End Sensor	ENG	[0 to 1 / 0 / 1]
6-123-045	Booklet Stapler Staple End Sensor: Front	ENG	[0 to 1 / 0 / 1]
6-123-046	Booklet Stapler Staple End Sensor: Rear	ENG	[0 to 1 / 0 / 1]
6-123-047	Shift Tray Lower Limit Sensor 1	ENG	[0 to 1 / 0 / 1]
6-123-048	Shift Tray Lower Limit Sensor 2	ENG	[0 to 1 / 0 / 1]
6-123-049	Shift Tray Lower Limit Sensor 3	ENG	[0 to 1 / 0 / 1]
6-123-050	Shift Tray Lower Limit Sensor 4	ENG	[0 to 1 / 0 / 1]
6-123-051	Shift Tray Lower Limit Sensor 5	ENG	[0 to 1 / 0 / 1]
6-123-052	Punch Chad Full Sensor	ENG	[0 to 1 / 0 / 1]
6-123-053	Punch Set Sensor	ENG	[0 to 1 / 0 / 1] 0: Connected 1: Unconnected
6-123-054	Shift Jogger Set Detection	ENG	[0 to 1 / 0 / 1] 0: Connected 1: Unconnected
6-123-055	Booklet Stapler Set Detection	ENG	[0 to 1 / 0 / 1] 0: Connected 1: Unconnected
6-123-056	Front Door Open Switch	ENG	[0 to 1 / 0 / 1]
6-123-057	Dynamic Roller Open/Close Guide Plate Sensor	ENG	[0 to 1 / 0 / 1]
6-123-058	Tray Upper Limit SW	ENG	[0 to 1 / 0 / 1]
6-123-059	Paper Exit Open/Close Guide Plate Limit SW	ENG	[0 to 1 / 0 / 1]
6-123-060	Punch DIP SW1	ENG	[0 to 1 / 0 / 1]
6-123-061	Punch DIP SW2	ENG	[0 to 1 / 0 / 1]
6-123-065	Paper Guide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-123-066	Shift Jogger HP Sensor: Front	ENG	[0 to 1 / 0 / 1]
6-123-067	Shift Jogger HP Sensor: Rear	ENG	[0 to 1 / 0 / 1]
6-123-068	Shift Jogger Retraction HP Sensor: Upper	ENG	[0 to 1 / 0 / 1]
6-123-069	Shift Jogger Retraction HP Sensor: Lower	ENG	[0 to 1 / 0 / 1]
6-123-070	Tray up-and-down SW	ENG	[0 to 1 / 0 / 1]

6147	[FIN INPUTCheck 3KFIN(100Bind)]		
6-147-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] Paper Detected = 0

3.Service Program Mode

6147	[FIN INPUTCheck 3KFIN(100Bind)]		
			Paper Not Detected = 1
6-147-002	Proof Exit Sensor	ENG	[0 or 1 / 0 / 1/step] Paper Detected = 0 Paper Not Detected = 1
6-147-003	Shift Tray Exit Sensor 1	ENG	[0 or 1 / 0 / 1/step] Paper Detected = 0 Paper Not Detected = 1
6-147-004	Staple Exit Sensor	ENG	[0 or 1 / 0 / 1/step] Paper Detected = 0 Paper Not Detected = 1
6-147-005	Tray Lower Limit Sensor	ENG	[0 to 1 / 0 / 1] Other = 0 Lower Limit = 1
6-147-006	Shift Tray Near Full Sensor	ENG	[0 to 1 / 0 / 1] Other = 0 Lower Limit = 1
6-147-007	Feed-Out Belt HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-008	Jogger HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-009	Shift Tray Half-Turn Sensor 1	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-010	Stapler HP Front/Rear Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-011	Stapler HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-012	Staple Out Sensor	ENG	[0 to 1 / 0 / 1] Cartridge Detected = 0 Cartridge Not Detected = 1
6-147-013	Staple Tray Paper Sensor	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1

3.Service Program Mode

6147	[FIN INPUTCheck 3KFIN(100Bind)]		
6-147-014	Front Door Open Switch	ENG	[0 to 1 / 0 / 1] Close = 0 Open = 1
6-147-015	Punch Detection Sensor	ENG	[0 to 1 / 0 / 1] Not Changed = 0 Changed = 1
6-147-016	Punch HP Sensor 1	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-017	Punch-out Hopper Full Sensor	ENG	[0 to 1 / 0 / 1] Not Full = 0 Full = 1
6-147-018	Stapling Paper Height Sensor	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-019	Paper Detection Sensor: Shift	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-020	Jam Detection Sensor	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-021	Proof Full Detection Sensor	ENG	[0 to 1 / 0 / 1] Not Full = 0 Full = 1
6-147-022	Stapler Rotation Sensor 1	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-023	Stapler Trimmings Hopper Full Sensor	ENG	[0 to 1 / 0 / 1] Not Full = 0 Full = 1
6-147-024	Pre-Stack Sensor	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-025	Stack Plate HP Sensor (Center)	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-026	Exit Guide Open Sensor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6147	[FIN INPUTCheck 3KFIN(100Bind)]		
			Home = 0 Other = 1
6-147-027	Stapler Rotation Sensor 2	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-028	Staple Ready Sensor	ENG	[0 to 1 / 0 / 1] Staple Detected = 0 Staple Not Detected = 0
6-147-029	Stack Plate HP Sensor (Front)	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-030	Stack Plate HP Sensor (Back)	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-031	Positioning Roller HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-032	Return Drive HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-033	Stapling Paper Height Sensor	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-034	Shift Lower Limit Sensor (Large Paper)	ENG	[0 to 1 / 0 / 1] Other = 0 Lower Limit = 1
6-147-035	Punch HP Sensor 2	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-036	Shift Jogger Sensor	ENG	[0 to 1 / 0 / 1] Not Changed = 0 Changed = 1
6-147-037	Shift Jogger HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-038	Shift Jogger Retraction HP Sensor	ENG	[0 to 1 / 0 / 1] Retract = 0

3.Service Program Mode

6147	[FIN INPUTCheck 3KFIN(100Bind)]		
			Not Retract = 1
6-147-039	Emergency Stop Switch	ENG	[0 to 1 / 0 / 1] OFF=0 ON=1
6-147-040	Top Fence HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-041	Bottom Fence HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-042	LowerTray Full Sensor (Z-Folded Paper)	ENG	[0 to 1 / 0 / 1] Not Full = 0 Full = 1
6-147-043	Shift Tray Exit Sensor 2	ENG	[0 to 1 / 0 / 1] Paper Detected = 0 Paper Not Detected = 1
6-147-044	Upper Tray Junction Gate HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-045	Staple Junction Gate HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-046	Pre-Stack Junction Gate HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-047	Pre-Stack Sensor (Right)	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-048	Pre-Stack Junction Gate Release HP Sensor	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-049	Shift Tray Half-Turn Sensor 2	ENG	[0 to 1 / 0 / 1] Home = 0 Other = 1
6-147-050	Staple Trimmings Hopper Set Sensor	ENG	[0 to 1 / 0 / 1] Detected = 0 Not Detected = 1

3.Service Program Mode

6160	[INPUT Check Print Post]		
6-160-001	Paper Detect Sn 1	ENG	[0 to 1 / 0 / 1]
6-160-002	Vert Transport Sn:Bin1	ENG	[0 to 1 / 0 / 1]
6-160-003	Paper Overflow Sn 1	ENG	[0 to 1 / 0 / 1]
6-160-004	Paper Detect Sn 2	ENG	[0 to 1 / 0 / 1]
6-160-005	Vert Transport Sn2:Bin3	ENG	[0 to 1 / 0 / 1]
6-160-006	Paper Overflow Sn 2	ENG	[0 to 1 / 0 / 1]
6-160-007	Paper Detect Sn 3	ENG	[0 to 1 / 0 / 1]
6-160-008	Paper Overflow Sn 3	ENG	[0 to 1 / 0 / 1]
6-160-009	Paper Detect Sn 4	ENG	[0 to 1 / 0 / 1]
6-160-010	Vert Transport Sn3:Bin5	ENG	[0 to 1 / 0 / 1]
6-160-011	Paper Overflow Sn 4	ENG	[0 to 1 / 0 / 1]
6-160-012	Paper Detect Sn 5	ENG	[0 to 1 / 0 / 1]
6-160-013	Paper Overflow Sn 5	ENG	[0 to 1 / 0 / 1]
6-160-014	Paper Detect Sn 6	ENG	[0 to 1 / 0 / 1]
6-160-015	Vert Transport Sn4:Bin7	ENG	[0 to 1 / 0 / 1]
6-160-016	Paper Overflow Sn 6	ENG	[0 to 1 / 0 / 1]
6-160-017	Paper Detect Sn 7	ENG	[0 to 1 / 0 / 1]
6-160-018	Paper Overflow Sn 7	ENG	[0 to 1 / 0 / 1]
6-160-019	Paper Detect Sn 8	ENG	[0 to 1 / 0 / 1]
6-160-020	Vert Transport Sn 5:Bin9	ENG	[0 to 1 / 0 / 1]
6-160-021	Paper Overflow Sn 8	ENG	[0 to 1 / 0 / 1]
6-160-022	Paper Detect Sn 9	ENG	[0 to 1 / 0 / 1]
6-160-023	Paper Overflow Sn 9	ENG	[0 to 1 / 0 / 1]
6-160-024	Door Open Switch	ENG	[0 to 1 / 0 / 1]

6166	[INPUT Check:1-Tray CIT]		
6-166-001	Paper Feed Cover Sensor	ENG	[0 to 1 / 0 / 1] 1: Set
6-166-002	Bottom Plate HP Sensor	ENG	[0 to 1 / 0 / 1] 1: Feed Position
6-166-003	Paper Near End Sensor	ENG	[0 to 1 / 0 / 1] 1: Near End
6-166-004	Paper Set Sensor	ENG	[0 to 1 / 0 / 1] 0: Paper Detected
6-166-005	Bottom Plate HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-166-006	Grip Sensor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6166	[INPUT Check:1-Tray CIT]		
			0: Paper Detected
6-166-007	Guide Plate Set Sensor	ENG	[0 to 1 / 0 / 1] 1: Set
6-166-008	Paper Exit Sensor	ENG	[0 to 1 / 0 / 1] 0: Paper Detected
6-166-009	Paper Set Sensor	ENG	[0 to 1 / 0 / 1] 1: Set
6-166-010	Width Sensor 1	ENG	[0 to 1 / 0 / 1]
6-166-011	Width Sensor 2	ENG	[0 to 1 / 0 / 1]
6-166-012	Width Sensor 3	ENG	[0 to 1 / 0 / 1]
6-166-013	Length Sensor 1	ENG	[0 to 1 / 0 / 1]
6-166-014	Length Sensor 2	ENG	[0 to 1 / 0 / 1]
6-166-015	Length Sensor 3	ENG	[0 to 1 / 0 / 1]

6170	[INPUT Check Slide Sort Tray]		
6-170-001	Transport Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-170-002	Shift Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-170-003	Lower Limit Sensor	ENG	[0 to 1 / 0 / 1] 0: Lower Limit Position
6-170-004	Paper Sensor	ENG	[0 to 1 / 0 / 1] 1: Detected
6-170-005	Door Switch	ENG	[0 to 1 / 0 / 1] 0: Close

6241	[INPUT Check: 2.5K/3K FIN]		
6-241-001	Transport Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-241-002	Pre-Stack Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-241-003	Pre-Stack Release Sensor	ENG	[0 to 1 / 0 / 1]
6-241-004	Paw HP Sensor (prf-sft)	ENG	[0 to 1 / 0 / 1]
6-241-005	Paw HP Sensor (sft-stp)	ENG	[0 to 1 / 0 / 1]
6-241-006	Proof Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-241-007	Proof Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-008	Punch Vertical Regist. Sensor	ENG	[0 to 1 / 0 / 1]
6-241-009	Punch Horizontal Regist. Sensor	ENG	[0 to 255 / 0 / 1]
6-241-010	Punching HP Sensor	ENG	[0 to 1 / 0 / 1]

6241	[INPUT Check: 2.5K/3K FIN]		
6-241-011	Punch Movement HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-012	Punch SW	ENG	[0 to 1 / 0 / 1]
6-241-013	Punch Chad Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-014	Punch Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-015	Trail Edge Stack Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-016	Staple Moving HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-017	Staple Slant Sensor (Front)	ENG	[0 to 1 / 0 / 1]
6-241-018	Staple Slant Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-019	Fence Horizontal Movement HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-020	Fence Updown Movement HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-021	Jogger HP Sensor (Front)	ENG	[0 to 1 / 0 / 1]
6-241-022	Jogger HP Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-023	Positioning Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-024	Leading Edge Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-025	Dispenser Paw HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-026	Staple Tray Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-241-027	Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-028	Staple End Sensor	ENG	[0 to 1 / 0 / 1]
6-241-029	Self Priming Sensor	ENG	[0 to 1 / 0 / 1]
6-241-030	Staple Trimmings Hopper Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-031	Staple Trimmings Hopper Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-032	Staple Feed Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-241-033	Batch Transport Unit Open/Close HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-034	Turn Guide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-035	Book Staple Jog Paw HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-036	Book Staple Release HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-037	Folder Cam HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-038	Folder Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-039	Book Staple Jogger HP Sensor (Front)	ENG	[0 to 1 / 0 / 1]
6-241-040	Book Staple Jogger HP Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-041	Book Staple Rear Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-042	Book Staple Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-241-043	Book Staple Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-241-044	Book Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-045	Book Staple End Sensor (Front)	ENG	[0 to 1 / 0 / 1]
6-241-046	Book Staple End Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-047	Book Staple Tray Full Sensor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6241	[INPUT Check: 2.5K/3K FIN]		
6-241-048	Book Staple Tray Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-241-049	Book Staple Tray Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-050	Shift Tray Paper Exit Sensor (Long)	ENG	[0 to 1 / 0 / 1]
6-241-051	Shift Tray Paper Exit Sensor (Short)	ENG	[0 to 1 / 0 / 1]
6-241-052	Paper Exit Guide Open/Close HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-053	Drag Roller Vibrating HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-054	Hold Lever HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-055	Shift Tray Limit SW	ENG	[0 to 1 / 0 / 1]
6-241-056	Shift HP Sensor (Front)	ENG	[0 to 1 / 0 / 1]
6-241-057	Shift HP Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-058	Paper Height Sensor (Staple)	ENG	[0 to 1 / 0 / 1]
6-241-059	Paper Height Sensor (Shift)	ENG	[0 to 1 / 0 / 1]
6-241-060	Paper Overflow Sensor (Z)	ENG	[0 to 1 / 0 / 1]
6-241-061	Paper Height Sensor (Rear)	ENG	[0 to 1 / 0 / 1]
6-241-062	Shift Tray Full Sensor (500 sheets)	ENG	[0 to 1 / 0 / 1]
6-241-063	Shift Tray Full Sensor (1000 sheets)	ENG	[0 to 1 / 0 / 1]
6-241-064	Shift Tray Full Sensor (1500 sheets)	ENG	[0 to 1 / 0 / 1]
6-241-065	Shift Tray Full Sensor (Lower Limit)	ENG	[0 to 1 / 0 / 1]
6-241-066	Shift Tray Full Sensor (Backup)	ENG	[0 to 1 / 0 / 1]
6-241-067	Shift Tray Stop SW	ENG	[0 to 1 / 0 / 1]
6-241-068	Jogger Fence Movement HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-069	Jogger Fence Retract HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-070	Interlock Check	ENG	[0 to 1 / 0 / 1]
6-241-071	Punch Type1	ENG	[0 to 1 / 0 / 1]
6-241-072	Punch Type2	ENG	[0 to 1 / 0 / 1]
6-241-073	Staple Tray Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-074	Backup Sensor Setting	ENG	[0 to 1 / 0 / 1]

6309	[INPUT Check Multi Folder]		
6-309-001	Entrance Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-002	Entrance JG HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-004	Registration Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-005	Dynamic Roller HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP

6309	[INPUT Check Multi Folder]		
6-309-006	Registration Roller HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-007	Fold Plate HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-008	Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-010	1st Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-011	1st Stopper HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-012	2nd Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-013	2nd Stopper HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-014	3rd Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-015	3rd Stopper HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-016	Direct-Send JG HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-017	FM6 Pawl HP Sensor	ENG	[0 to 1 / 0 / 1] 1:HP
6-309-018	Top Tray Paper Path Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-019	Top Tray Exit Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-020	Horizontal Path Exit Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-021	Top Tray Full Sensor (E)	ENG	[0 to 1 / 0 / 1] 1: Detected
6-309-023	Front Door Switch (SW1)	ENG	[0 to 1 / 0 / 1] 0: Close
6-309-024	Horizontal Path Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-025	Vertical Path Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected
6-309-026	Bypass Entrance Paper Sensor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6309	[INPUT Check Multi Folder]		
			0: Detected
6-309-027	Bypass Exit Paper Sensor	ENG	[0 to 1 / 0 / 1] 0: Detected

6400	[Cvr Inserter INPUT Check]		
6-400-001	1st Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
6-400-002	2nd Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
6-400-003	1st Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-004	2nd Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-005	1st Vertical Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-006	2nd Vertical Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-007	Paper Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-008	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-400-009	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-010	1st Pick-up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-400-011	2nd Pick-up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-400-012	1st Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-013	2nd Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-014	1st Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-015	2nd Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-016	1st Paper Near End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-017	2nd Paper Near End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-018	1st Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-019	2nd Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-020	1st Paper Length Sensor	ENG	[0 to 1 / 0 / 1]
6-400-021	2nd Paper Length Sensor	ENG	[0 to 1 / 0 / 1]
6-400-022	1st Paper Width Sensor 1	ENG	[0 to 1 / 0 / 1]
6-400-023	1st Paper Width Sensor 2	ENG	[0 to 1 / 0 / 1]
6-400-024	1st Paper Width Sensor 3	ENG	[0 to 1 / 0 / 1]
6-400-025	1st Paper Width Sensor 4	ENG	[0 to 1 / 0 / 1]
6-400-026	1st Paper Width Sensor 5	ENG	[0 to 1 / 0 / 1]
6-400-027	2nd Paper Width Sensor 1	ENG	[0 to 1 / 0 / 1]
6-400-028	2nd Paper Width Sensor 2	ENG	[0 to 1 / 0 / 1]
6-400-029	2nd Paper Width Sensor 3	ENG	[0 to 1 / 0 / 1]
6-400-030	2nd Paper Width Sensor 4	ENG	[0 to 1 / 0 / 1]
6-400-031	2nd Paper Width Sensor 5	ENG	[0 to 1 / 0 / 1]
6-400-032	1st Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]

6400	[Cvr Inserter INPUT Check]		
6-400-033	2nd Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-400-034	Cover Vertical Transport Switch	ENG	[0 to 1 / 0 / 1]
6-400-035	Front Door Open Switch	ENG	[0 to 1 / 0 / 1]

Output Check Table

5804	[Output Check]		
5-804-080	Polygon Motor: KC	ENG	[0 to 1 / 0 / 1]
5-804-081	Polygon Motor: MY	ENG	[0 to 1 / 0 / 1]
5-804-202	Scaner Lamp	ENG	[0 to 1 / 0 / 1]
5-804-220	LCT: Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-221	LCT:Feed Mtr:Feed Speed2:550mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-222	LCT:Feed Mtr:Feed Speed1:352.8mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-223	LCT:Transport Mtr:Feed Speed2:550mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-234	LCT:Transport Mtr:Feed Speed1:352.8mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-235	LCT:Exit Mtr:Feed Speed2:550mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-236	LCT:Exit Mtr:Feed Speed1:352.8mm/sec	ENG	[0 to 1 / 0 / 1]
5-804-237	A3LCT: Front Fan	ENG	[0 to 1 / 0 / 1]
5-804-238	A3LCT: Rear Fan	ENG	[0 to 1 / 0 / 1]
5-804-239	A3LCT: Left Upper Cover LED	ENG	[0 to 1 / 0 / 1]
5-804-240	A3LCT: Front Cover LED	ENG	[0 to 1 / 0 / 1]
5-804-241	A3LCT: Tray LED	ENG	[0 to 1 / 0 / 1]
5-804-242	A4LCT: Paper Supply Cover LED	ENG	[0 to 1 / 0 / 1]
5-804-243	A4LCT: Slide Knob LED	ENG	[0 to 1 / 0 / 1]
5-804-244	LCT:Active Tray LED	ENG	[0 to 1 / 0 / 1]

5805	[Output Check]		
5-805-001	Purge Upper Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-002	Purge Lower Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-003	Vertical Transport Door LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-004	Lower Left Door LED	ENG	[0 to 1 / 0 / 1] 0: OFF

3.Service Program Mode

5805	[Output Check]		
			1: ON
5-805-005	Bypass Door LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-006	Main Unit LED-SW Left (LED)	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-008	Paper Exit Upper Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-009	Paper Exit Left Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-010	Horizontal Transport Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-011	Regist Upper Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-012	Main Unit Drawer LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-013	Fusing Guide LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-014	Purge Open LED	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-015	Feed Tray 1 LED	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-016	Feed Tray 2 LED	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-017	Feed Tray 3 LED	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5805	[Output Check]		
			Pro C5210/C5210S only 0: OFF 1: ON
5-805-018	Feed Tray 4 LED	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-020	u Sensor Select: Y	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-021	u Sensor Select: M	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-022	u Sensor Select: C	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-023	u Sensor Select: K	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-024	u Sensor Power Ctrl	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-025	Potential Sensor Power Ctrl	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-026	Toner Bottle ID Power Ctrl	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-027	Lubricant End SW Power Ctrl	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-028	24VS1 Converter	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-030	Duplex Exhaust Fan F/C/R	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

3.Service Program Mode

5805	[Output Check]		
5-805-031	Tfr Fus Exhaust Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-032	Tfr Fus Exhaust Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-033	IH Power Cooling Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-034	IH Power Cooling Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-035	PSU&Ctrl Exhaust Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-036	PSU&Ctrl Exhaust Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-037	PT Fan F/R	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-038	HP Cooling Fan for Paper	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-039	IH Coil Cooling Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-040	IH Coil Cooling Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-041	HP Exhaust Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-042	HP Exhaust Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-043	Dev Exhaust Fan R/L: Full Spd	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5805	[Output Check]		
			0: OFF 1: ON
5-805-044	Dev Exhaust Fan R/L: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-045	HP Suction Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-046	HP Suction Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-047	Imaging Cooling Fan R/L	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-048	P Sensor Cleaning Fan	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-049	ITB Motor Cooling Fan	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-050	Dev Fan Y/M: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-051	Dev Fan Y/M: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-052	Dev Fan C/K: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-053	Dev Fan C/K: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-054	ITB Cooling Fan: Full Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-055	ITB Cooling Fan: Half Spd	ENG	[0 to 1 / 0 / 1] 0: OFF

3.Service Program Mode

5805	[Output Check]		
			1: ON
5-805-056	Exit Cooling Fan	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-059	Fusing Paper Exit Exhaust Fan	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-060	Ozone Fan	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-061	Drive Exhaust Fan Left	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-062	Fus Press Roller Suction Fan	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-063	Fus Press Roller Exhaust Fan	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-070	Tray 1 PickUp SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-071	Tray 2 PickUp SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-072	Tray 3 PickUp SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-073	Tray 4 PickUp SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-074	Bypass Pickup SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-075	Left Tray Lock SOL	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5805	[Output Check]		
			0: OFF 1: ON
5-805-076	Duplex Inverter SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-077	Exit/Inverter JG SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-078	Tray 1 Rear Side Fence SOL	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-079	Charge Clean Lift SOL: Y	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-080	Charge Clean Lift SOL: M	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-081	Charge Clean Lift SOL: C	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-082	Charge Clean Lift SOL: K	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-086	PCL_Y	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-087	PCL_M	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-088	PCL_C	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-089	PCL_K	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-102	ITB Lift Motor(FC): Attach	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5805	[Output Check]		
			0: OFF 1: ON
5-805-103	ITB Lift Motor(FC): Detach	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-104	PTR Lift Motor: Attach	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-105	PTR Lift Motor: Detach	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-106	Toner Bottle Motor Y: CW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-107	Toner Bottle Motor Y: CCW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-108	Toner Bottle Motor M: CW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-109	Toner Bottle Motor M: CCW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-110	Toner Bottle Motor C: CW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-111	Toner Bottle Motor C: CCW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-112	Toner Bottle Motor K: CW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-113	Toner Bottle Motor K: CCW	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-114	Used Toner Bottle Motor	ENG	[0 to 1 / 0 / 1] 0: OFF

3.Service Program Mode

5805	[Output Check]		
			1: ON
5-805-115	Toner Discharge Motor	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-116	ITB Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-117	ITB Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-118	ITB Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-119	ITB Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-120	PTR Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-121	PTR Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-122	PTR Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-123	PTR Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-124	Y Drum Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-125	Y Drum Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-126	Y Drum Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

3.Service Program Mode

5805	[Output Check]		
5-805-127	Y Drum Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-128	M Drum Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-129	M Drum Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-130	M Drum Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-131	M Drum Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-132	C Drum Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-133	C Drum Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-134	C Drum Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-135	C Drum Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-136	K Drum Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-137	K Drum Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-138	K Drum Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-139	K Drum Motor: Low Spd	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5805	[Output Check]		
			0: OFF 1: ON
5-805-140	Y DrumCln Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-141	Y DrumCln Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-142	Y DrumCln Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-143	Y DrumCln Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-144	M DrumCln Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-145	M DrumCln Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-146	M DrumCln Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-147	M DrumCln Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-148	C DrumCln Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-149	C DrumCln Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-150	C DrumCln Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-151	C DrumCln Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF

3.Service Program Mode

5805	[Output Check]		
			1: ON
5-805-152	K DrumCln Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-153	K DrumCln Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-154	K DrumCln Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-155	K DrumCln Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-156	Y Dev Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-157	Y Dev Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-158	Y Dev Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-159	Y Dev Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-160	M Dev Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-161	M Dev Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-162	M Dev Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-163	M Dev Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

3.Service Program Mode

5805	[Output Check]		
5-805-164	C Dev Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-165	C Dev Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-166	C Dev Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-167	C Dev Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-168	K Dev Motor: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-169	K Dev Motor: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-170	K Dev Motor: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-171	K Dev Motor: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-172	Toner Feed Bottle Motor Y	ENG	[0 to 1 / 0 / 1]
5-805-173	Toner Feed Bottle Motor M	ENG	[0 to 1 / 0 / 1]
5-805-174	Toner Feed Bottle Motor C	ENG	[0 to 1 / 0 / 1]
5-805-175	Toner Feed Bottle Motor K	ENG	[0 to 1 / 0 / 1]
5-805-176	Fuzing Motor CW: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-177	Fuzing Motor CCW: Std Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-178	Fuzing Motor CCW: Mid Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

3.Service Program Mode

5805	[Output Check]		
5-805-179	Fuzing Motor CCW: MidLow Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-180	Fuzing Motor CCW: Low Spd	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-805-183	Refresh Roller Drv Motor: CW	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-184	Refresh Roller Drv Motor: CCW	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON
5-805-185	Web Cleaning: Attach	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only
5-805-186	Web Cleaning: Detach	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only
5-805-187	Web Cleaning Drv Motor: CW	ENG	[0 to 1 / 0 / 1] Pro C5210/C5210S only 0: OFF 1: ON

5806	[Output Check]		
5-806-001	Feed Mtr 1:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-002	Feed Mtr 1:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-003	Feed Mtr 1:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-004	Feed Mtr 1:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-005	Feed Mtr 1:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-006	Feed Mtr 1:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-007	Feed Mtr 1:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-008	Feed Mtr 1:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-009	Feed Mtr 2:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-010	Feed Mtr 2:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-011	Feed Mtr 2:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-012	Feed Mtr 2:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-013	Feed Mtr 2:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-014	Feed Mtr 2:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-015	Feed Mtr 2:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-016	Feed Mtr 2:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-017	Feed Mtr 3:Feed Speed3:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-018	Feed Mtr 3:Feed Speed3:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-019	Feed Mtr 3:Feed Speed3:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-020	Feed Mtr 3:Feed Speed3:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-021	Feed Mtr 3:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-022	Feed Mtr 3:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-023	Feed Mtr 3:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-024	Feed Mtr 3:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-025	Feed Mtr 4:Feed Speed4:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-026	Feed Mtr 4:Feed Speed4:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-027	Feed Mtr 4:Feed Speed4:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-028	Feed Mtr 4:Feed Speed4:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-029	Feed Mtr 4:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-030	Feed Mtr 4:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-031	Feed Mtr 4:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-032	Feed Mtr 4:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-033	Transport Mtr1:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-034	Transport Mtr1:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-035	Transport Mtr1:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-036	Transport Mtr1:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-037	Transport Mtr1:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-038	Transport Mtr1:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-039	Transport Mtr1:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-040	Transport Mtr1:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-041	Transport Mtr2:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-042	Transport Mtr2:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-043	Transport Mtr2:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-044	Transport Mtr2:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-045	Transport Mtr2:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-046	Transport Mtr2:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-047	Transport Mtr2:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-048	Transport Mtr2:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-049	Transport Mtr3:Feed Speed3:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-050	Transport Mtr3:Feed Speed3:Mid Speed	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-051	Transport Mtr3:Feed Speed3:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-052	Transport Mtr3:Feed Speed3:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-053	Transport Mtr3:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-054	Transport Mtr3:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-055	Transport Mtr3:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-056	Transport Mtr3:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-057	Transport Mtr4:Feed Speed3:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-058	Transport Mtr4:Feed Speed4:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-059	Transport Mtr4:Feed Speed4:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-060	Transport Mtr4:Feed Speed4:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-061	Transport Mtr4:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-062	Transport Mtr4:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-063	Transport Mtr4:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-064	Transport Mtr4:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-065	Relay Mtr:CW:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-066	Relay Mtr:CW:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-067	Relay Mtr:CW:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-068	Relay Mtr:CW:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-069	Relay Mtr:CW:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-070	Relay Mtr:CW:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-071	Relay Mtr:CW:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-072	Relay Mtr:CW:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-073	Relay Mtr:CCW:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-074	Relay Mtr:CCW:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-075	Relay Mtr:CCW:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-076	Relay Mtr:CCW:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-077	Relay Mtr:CCW:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-078	Relay Mtr:CCW:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-079	Relay Mtr:CCW:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-080	Relay Mtr:CCW:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-081	Relay Mtr:Position Hold Stop	ENG	[0 to 1 / 0 / 1]
5-806-082	Registration Mtr:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-083	Registration Mtr:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-084	Registration Mtr:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-085	Registration Mtr:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-086	Registration Mtr:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-087	Registration Mtr:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-088	Registration Mtr:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-089	Registration Mtr:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-090	Registration Mtr:Position Hold Stop	ENG	[0 to 1 / 0 / 1]
5-806-091	Bypass Feed Mtr:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-092	Bypass Feed Mtr:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-093	Bypass Feed Mtr:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-094	Bypass Feed Mtr:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-095	Bypass Feed Mtr:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-096	Bypass Feed Mtr:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-097	Bypass Feed Mtr:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-098	Bypass Feed Mtr:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-103	Inverter Ent Mtr:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-104	Inverter Ent Mtr:Exit Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-105	Inverter Ent Mtr:Exit Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-106	Inverter Ent Mtr:Exit Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-107	Inverter Ent Mtr:Exit Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-108	Inverter Ent Mtr:Exit Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-109	Inverter Ent Mtr:Exit Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-110	Inverter Ent Mtr:Exit Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-111	Exit/Inverter Mtr:CW:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-112	Exit/Inverter Mtr:CW:Exit Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-113	Exit/Inverter Mtr:CW:Exit Spd1:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-114	Exit/Inverter Mtr:CW:Exit Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-115	Exit/Inverter Mtr:CWW:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-116	Exit/Inverter Mtr:CWW:Exit Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-117	Exit/Inverter Mtr:CWW:Exit Spd1:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-118	Exit/Inverter Mtr:CWW:Exit Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-119	Exit/Inverter Mtr:CW:Exit Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-120	Exit/Inverter Mtr:CW:Exit Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-121	Exit/Inverter Mtr:CW:Exit Spd2:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-122	Exit/Inverter Mtr:CW:Exit Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-123	Exit/Inverter Mtr:CWW:Exit Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-124	Exit/Inverter Mtr:CWW:Exit Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-125	Exit/Inverter Mtr:CWW:Exit Spd2:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-126	Exit/Inverter Mtr:CWW:Exit Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-127	Exit/Inverter Mtr: Position Hold	ENG	[0 to 1 / 0 / 1]
5-806-128	Exit Mtr:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-129	Exit Mtr:Exit Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-130	Exit Mtr:Exit Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-131	Exit Mtr:Exit Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-132	Exit Mtr:Exit Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-133	Exit Mtr:Exit Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-134	Exit Mtr:Exit Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-135	Exit Mtr:Exit Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-136	Duplex/Inverter Mtr:CW:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-137	Duplex/Inverter Mtr:CW:Exit Spd1:Mid Spd	ENG	[0 to 1 / 0 / 1]
5-806-138	Duplex/Inverter Mtr:CW:Exit Spd1:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-139	Duplex/Inverter Mtr:CW:Exit Spd1:CW:Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-140	Duplex/Inverter Mtr:CW:Dup Speed:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-141	Duplex/Inverter Mtr:CW:Dup Speed:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-142	Duplex/Inverter Mtr:CW:Mid:DupSpd:Mid-LowSpd	ENG	[0 to 1 / 0 / 1]
5-806-143	Duplex/Inverter Mtr:CW:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-144	Duplex/Inverter Mtr:Exit Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-145	Duplex/Inverter Mtr:Exit Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-146	Duplex/Inverter Mtr:Exit Spd1:Mid-Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-147	Duplex/Inverter Mtr:Exit Spd1:CWW:Low Spd	ENG	[0 to 1 / 0 / 1]
5-806-148	Duplex/Inverter Mtr:CW:Dup Speed:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-149	Duplex/Inverter Mtr:CWW:Dup Speed:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-150	Duplex/Inverter Mtr:CWW:Mid:DupSpd:Mid-LowSp	ENG	[0 to 1 / 0 / 1]
5-806-151	Duplex/Inverter Mtr:CWW:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-152	Duplex/Inverter Mtr:Hold	ENG	[0 to 1 / 0 / 1]
5-806-153	Duplex Feed Mtr:Feed Speed1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-154	Duplex Feed Mtr:Feed Speed1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-155	Duplex Feed Mtr:Feed Speed1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-156	Duplex Feed Mtr:Feed Speed1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-157	Duplex Feed Mtr:Feed Speed2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-158	Duplex Feed Mtr:Feed Speed2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-159	Duplex Feed Mtr:Feed Speed2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-160	Duplex Feed Mtr:Feed Speed2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-161	Duplex Feed Mtr:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-162	Duplex Feed Mtr:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-163	Duplex Feed Mtr:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-164	Duplex Feed Mtr:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-165	Duplex Feed Mtr (Hold)	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-166	Duplex Exit Mtr:Feed Speed1::Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-167	Duplex Exit Mtr:Feed Speed1::Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-168	Duplex Exit Mtr:Feed Speed1::Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-169	Duplex Exit Mtr:Feed Speed1::Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-170	Duplex Exit Mtr:Feed Speed2::Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-171	Duplex Exit Mtr:Feed Speed2::Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-172	Duplex Exit Mtr:Feed Speed2::Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-173	Duplex Exit Mtr:Feed Speed2::Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-174	Duplex Exit Mtr:Feed Speed:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-175	Duplex Exit Mtr:Feed Speed:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-176	Duplex Exit Mtr:Feed Speed:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-177	Duplex Exit Mtr:Feed Speed:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-178	Tray 1 Lift Motor: (Up: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-179	Tray 1 Lift Motor: (Down: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-180	Tray 2 Lift Motor: (Up: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-181	Tray 2 Lift Motor: (Down: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-182	Tray 3 Lift Motor: (Up: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-183	Tray 3 Lift Motor: (Down: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-184	Tray 4 Lift Motor: (Up: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-185	Tray 4 Lift Motor: (Down: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-186	Tandem Tray Transport Motor (Rev: 1s)	ENG	[0 to 1 / 0 / 1]
5-806-187	Tandem Tray Transport Motor (Fwd: 1 s)	ENG	[0 to 1 / 0 / 1]
5-806-188	Exit/Inverter JG SOL	ENG	[0 to 1 / 0 / 1]
5-806-189	Exit/Inverter JG SOL	ENG	[0 to 1 / 0 / 1]
5-806-190	Exit/Inverter JG SOL	ENG	[0 to 1 / 0 / 1]
5-806-191	Shift Roller Motor1:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-192	Shift Roller Motor1:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-193	Shift Roller Motor1:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-194	Shift Roller Motor1:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-195	Shift Roller Motor1:Homing	ENG	[0 to 1 / 0 / 1]
5-806-196	Shift Roller Motor2:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-197	Shift Roller Motor2:Mid Speed	ENG	[0 to 1 / 0 / 1]
5-806-198	Shift Roller Motor2:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-199	Shift Roller Motor2:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-200	Shift Roller Motor2:Homing	ENG	[0 to 1 / 0 / 1]
5-806-201	Sensor Shift Motor:Std Speed	ENG	[0 to 1 / 0 / 1]
5-806-202	Sensor Shift Motor:Mid Speed	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

5806	[Output Check]		
5-806-203	Sensor Shift Motor:Mid-Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-204	Sensor Shift Motor:Low Speed	ENG	[0 to 1 / 0 / 1]
5-806-205	Sensor Shift Motor:Homing	ENG	[0 to 1 / 0 / 1]
5-806-206	Bypass Bottom Plate Lift Motor: Up	ENG	[0 to 1 / 0 / 1]
5-806-207	Bypass Bottom Plate Lift Motor: Down	ENG	[0 to 1 / 0 / 1]
5-806-210	Charge/Development: CLK	ENG	[0 to 1 / 0 / 1]
5-806-211	Charge DC Voltage: Y	ENG	[0 to 1 / 0 / 1]
5-806-212	Charge DC Voltage: M	ENG	[0 to 1 / 0 / 1]
5-806-213	Charge DC Voltage: C	ENG	[0 to 1 / 0 / 1]
5-806-214	Charge DC Voltage: K	ENG	[0 to 1 / 0 / 1]
5-806-215	Charge AC Voltage: Y	ENG	[0 to 1 / 0 / 1]
5-806-216	Charge AC Voltage: M	ENG	[0 to 1 / 0 / 1]
5-806-217	Charge AC Voltage: C	ENG	[0 to 1 / 0 / 1]
5-806-218	Charge AC Voltage: K	ENG	[0 to 1 / 0 / 1]
5-806-223	Development Bias: Y	ENG	[0 to 1 / 0 / 1]
5-806-224	Development Bias: M	ENG	[0 to 1 / 0 / 1]
5-806-225	Development Bias: C	ENG	[0 to 1 / 0 / 1]
5-806-226	Development Bias: K	ENG	[0 to 1 / 0 / 1]
5-806-227	Development AC: Y	ENG	[0 to 1 / 0 / 1]
5-806-228	Development AC: M	ENG	[0 to 1 / 0 / 1]
5-806-229	Development AC: C	ENG	[0 to 1 / 0 / 1]
5-806-230	Development AC: K	ENG	[0 to 1 / 0 / 1]
5-806-231	Primary Transfer: Y	ENG	[0 to 1 / 0 / 1]
5-806-232	Primary Transfer: M	ENG	[0 to 1 / 0 / 1]
5-806-233	Primary Transfer: C	ENG	[0 to 1 / 0 / 1]
5-806-234	Primary Transfer: K	ENG	[0 to 1 / 0 / 1]
5-806-235	Secondary Transfer :+	ENG	[0 to 1 / 0 / 1]
5-806-236	Secondary Transfer :-	ENG	[0 to 1 / 0 / 1]
5-806-237	Secondary Transfer :AC	ENG	[0 to 1 / 0 / 1]
5-806-238	Secondary Transfer :CLK	ENG	[0 to 1 / 0 / 1]
5-806-239	Secondary Transfer Power Ctrl	ENG	[0 to 1 / 0 / 1]
5-806-245	Decurl Pressure SW STM	ENG	[0 to 1 / 0 / 1]
5-806-246	Decurl Transfer STM:Std Spd	ENG	[0 to 1 / 0 / 1]
5-806-247	Decurl Transfer STM:Mid Spd	ENG	[0 to 1 / 0 / 1]
5-806-248	Decurl Transfer STM:MidLow Spd	ENG	[0 to 1 / 0 / 1]
5-806-249	Decurl Transfer STM:Low Spd	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6012	[1-Pass ADF OUTPUT Check]		
6-012-001	Pick-Up Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-003	Feed Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-005	Relay Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-009	Exit Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-010	Bottom Plate Motor For/Rev	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-012	Stamp	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-015	Pull-Out Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On
6-012-016	Middle Motor Forward	ENG	[0 to 1 / 0 / 1] 0:Off 1:On

6124	[OUTPUT Check: 2K/3K FIN]		
6-124-001	Entrance Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-002	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-003	Pre-Stack Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-004	ITB Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-005	Exit Motor	ENG	[0 to 1 / 0 / 1]
6-124-006	Upper Junction Solenoid	ENG	[0 to 1 / 0 / 1]
6-124-007	TE Stack Plate Motor	ENG	[0 to 1 / 0 / 1]
6-124-008	Paper Exit Open/Close Guide Plate Motor	ENG	[0 to 1 / 0 / 1]
6-124-009	Punching Motor	ENG	[0 to 1 / 0 / 1]
6-124-010	Punch Move Motor	ENG	[0 to 1 / 0 / 1]
6-124-011	S-to-S Registration Detection Move Motor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6124	[OUTPUT Check: 2K/3K FIN]		
6-124-012	Lower Junction Solenoid Motor	ENG	[0 to 1 / 0 / 1]
6-124-013	Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-124-014	Positioning Roller Rotation Motor	ENG	[0 to 1 / 0 / 1]
6-124-015	Stack Feed-out Motor	ENG	[0 to 1 / 0 / 1]
6-124-016	Booklet Stapler Move Motor	ENG	[0 to 1 / 0 / 1]
6-124-017	Corner Stapler Motor	ENG	[0 to 1 / 0 / 1]
6-124-018	Booklet Stapler Side Fence Motor	ENG	[0 to 1 / 0 / 1]
6-124-019	Booklet Stapler Jog Solenoid Move Motor	ENG	[0 to 1 / 0 / 1]
6-124-020	Booklet Stapler Standard Fence Motor	ENG	[0 to 1 / 0 / 1]
6-124-021	Booklet Stapler Motor	ENG	[0 to 1 / 0 / 1]
6-124-022	Dynamic Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-023	Folder Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-025	Square-fold Motor	ENG	[0 to 1 / 0 / 1]
6-124-026	Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-124-027	Shift Motor	ENG	[0 to 1 / 0 / 1]
6-124-028	Front Shift Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-124-029	Rear Shift Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-124-030	Shift Jogger Retraction Motor	ENG	[0 to 1 / 0 / 1]
6-124-031	Drag Roller Vibrating Motor	ENG	[0 to 1 / 0 / 1]
6-124-032	LE Guide Motor	ENG	[0 to 1 / 0 / 1]
6-124-033	Navigation LED (All)	ENG	[0 to 1 / 0 / 1]
6-124-037	Positioning Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-124-038	Paper Guide Motor	ENG	[0 to 1 / 0 / 1]

6148	[FIN OUTPUTCheck 3KFIN(100Bind)]		
6-148-001	Upper Transport Motor	ENG	[0 to 1 / 0 / 1]
6-148-002	Shift Exit M:Cont	ENG	[0 to 1 / 0 / 1]
6-148-003	Upper Tray JG Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-004	Tray Lift Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-005	Jogger Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-006	Stapler Front/Rear Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-007	Stapler Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-008	Punch Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-009	Stapler JG Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-010	Stp Hammer Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-011	Feed Out M:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-012	Tray Shift Moter:1 Op	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6148	[FIN OUTPUTCheck 3KFIN(100Bind)]		
6-148-013	Stapler Rotation Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-014	Stp Exit M:Cont	ENG	[0 to 1 / 0 / 1]
6-148-015	Open Exit Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-016	Fold Plate Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-017	Prestack JG Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-018	Prestack Stop Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-019	Fold M:Front:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-020	Fold M:Back:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-021	Return Drv Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-022	Return TransM:Cont	ENG	[0 to 1 / 0 / 1]
6-148-023	Shift Jog Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-024	Shift Jog Shunt Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-025	Top Fence Motor:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-026	Bottom Fence Motor:1 Op	ENG	[0 to 1 / 0 / 1]
6-148-027	Lower Transport Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-028	Upper Tray Exit Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-029	Positioning Roller Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-030	Prestack Trans Mtr:Cont	ENG	[0 to 1 / 0 / 1]
6-148-031	Staple Trim Chute SOL:1 Op	ENG	[0 to 1 / 0 / 1]

6161	[OUTPUT Check Print Post]		
6-161-001	Vert Transport Motor	ENG	[0 to 1 / 0 / 1]
6-161-002	Junction Gate SOL1	ENG	[0 to 1 / 0 / 1]
6-161-003	Turn Gate SOL1	ENG	[0 to 1 / 0 / 1]
6-161-004	Turn Gate SOL2	ENG	[0 to 1 / 0 / 1]
6-161-005	Turn Gate SOL3	ENG	[0 to 1 / 0 / 1]
6-161-006	Turn Gate SOL4	ENG	[0 to 1 / 0 / 1]
6-161-007	Turn Gate SOL5	ENG	[0 to 1 / 0 / 1]
6-161-008	Turn Gate SOL6	ENG	[0 to 1 / 0 / 1]
6-161-009	Turn Gate SOL7	ENG	[0 to 1 / 0 / 1]
6-161-010	Turn Gate SOL8	ENG	[0 to 1 / 0 / 1]

6171	[OUTPUT Check Slide Sort Tray]		
6-171-001	Transport Motor:Continuous	ENG	[0 to 1 / 0 / 1]
6-171-002	Transport Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-171-003	Shift Moter:1 Op	ENG	[0 to 1 / 0 / 1]
6-171-004	Tray Lift Motor:Up	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6171	[OUTPUT Check Slide Sort Tray]		
6-171-005	Tray Lift Motor:Down	ENG	[0 to 1 / 0 / 1]
6-171-006	Tray Lift Moter:1 Op	ENG	[0 to 1 / 0 / 1]

6242	[OUTPUT Check: 2.5K/3K FIN]		
6-242-001	Entrance Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-002	Registration Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-003	Branch Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-004	Prestack Release Motor	ENG	[0 to 1 / 0 / 1]
6-242-005	Prestack Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-006	Paw SW Motor (prf to sft)	ENG	[0 to 1 / 0 / 1]
6-242-007	Paw SW Motor (sft to stp)	ENG	[0 to 1 / 0 / 1]
6-242-008	Proof Tray Paper Exit Motor	ENG	[0 to 1 / 0 / 1]
6-242-009	Punched Paper Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-010	Punch Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-011	Punch SW Motor	ENG	[0 to 1 / 0 / 1]
6-242-012	Punching Motor	ENG	[0 to 1 / 0 / 1]
6-242-013	Staple Entrance Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-014	Trail Edge Stack Plate Motor	ENG	[0 to 1 / 0 / 1]
6-242-015	Punch Horizontal Regist. Sensor CIS Lamp	ENG	[0 to 1 / 0 / 1]
6-242-016	Corner Stapler Motor	ENG	[0 to 1 / 0 / 1]
6-242-017	Stapler Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-018	Fence Updown Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-019	Fence Side-to-Side Motor	ENG	[0 to 1 / 0 / 1]
6-242-020	Jogger Motor (Front)	ENG	[0 to 1 / 0 / 1]
6-242-021	Jogger Motor (Rear)	ENG	[0 to 1 / 0 / 1]
6-242-022	Positioning Roller Rotation Motor	ENG	[0 to 1 / 0 / 1]
6-242-023	Positioning Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-024	Release Paw Motor	ENG	[0 to 1 / 0 / 1]
6-242-025	Leading Edge Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-242-026	Shooter Open/Close SOL	ENG	[0 to 1 / 0 / 1]
6-242-027	Stapler Motor	ENG	[0 to 1 / 0 / 1]
6-242-028	Batch Transport Unit Open/Close Motor	ENG	[0 to 1 / 0 / 1]
6-242-029	Turn Guide Vibration Motor	ENG	[0 to 1 / 0 / 1]
6-242-030	Batch Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-031	Backup	ENG	[0 to 1 / 0 / 1]
6-242-032	Book Staple Release Motor	ENG	[0 to 1 / 0 / 1]
6-242-033	Book Staple Jog Paw Motor	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6242	[OUTPUT Check: 2.5K/3K FIN]		
6-242-034	Book Staple Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-242-035	Book Stapler Rear Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-036	Book Staple Motor	ENG	[0 to 1 / 0 / 1]
6-242-037	Book Staple Tray Motor	ENG	[0 to 1 / 0 / 1]
6-242-038	Fold Roller Motor	ENG	[0 to 1 / 0 / 1]
6-242-039	Fold Plate Motor	ENG	[0 to 1 / 0 / 1]
6-242-040	Shift Tray Paper Exit Motor	ENG	[0 to 1 / 0 / 1]
6-242-041	Shift Tray Motor	ENG	[0 to 1 / 0 / 1]
6-242-042	Drag Roller Vibrating Motor	ENG	[0 to 1 / 0 / 1]
6-242-043	Drag Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-044	Paper Exit Guide Open/Close Motor	ENG	[0 to 1 / 0 / 1]
6-242-045	Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-242-046	Jogger Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-047	Jogger Retraction Motor	ENG	[0 to 1 / 0 / 1]
6-242-048	Paper Exit Fan Motor	ENG	[0 to 1 / 0 / 1]
6-242-049	Hold Lever	ENG	[0 to 1 / 0 / 1]

6310	[Output Check]		
6-310-001	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-002	Top Tray Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-003	Top Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-310-004	Dynamic Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-005	Registration Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-007	Entrance JG Motor	ENG	[0 to 1 / 0 / 1]
6-310-008	1st Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-009	2nd Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-010	3rd Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-011	Dynamic Roller Lift Motor	ENG	[0 to 1 / 0 / 1]
6-310-012	Registration Roller Release Motor	ENG	[0 to 1 / 0 / 1]
6-310-013	Fold Plate Motor	ENG	[0 to 1 / 0 / 1]
6-310-014	Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-310-016	Direct-Send JG Motor	ENG	[0 to 1 / 0 / 1]
6-310-017	FM6 Pawl Motor	ENG	[0 to 1 / 0 / 1]
6-310-018	1st Fold Motor	ENG	[0 to 1 / 0 / 1]
6-310-019	2nd Fold Motor	ENG	[0 to 1 / 0 / 1]
6-310-020	Crease Motor	ENG	[0 to 1 / 0 / 1]
6-310-021	Bypass JG Solenoid	ENG	[0 to 1 / 0 / 1]

3.Service Program Mode

6310	[Output Check]		
6-310-022	Exit JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-023	Top Tray JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-024	LE Stop Pawl Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-025	Reverse JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-026	Horizontal Exit Motor	ENG	[0 to 1 / 0 / 1]

6401	[Cvr Inserter Output Check]		
6-401-001	OFF (Stop)	ENG	[0 to 1 / 0 / 1]
6-401-002	1st Pick-up Motor	ENG	[0 to 1 / 0 / 1]
6-401-003	2nd Pick-up Motor	ENG	[0 to 1 / 0 / 1]
6-401-004	1st Paper Feed Motor	ENG	[0 to 1 / 0 / 1]
6-401-005	2nd Paper Feed Motor	ENG	[0 to 1 / 0 / 1]
6-401-006	1st Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-007	2nd Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-008	Vertical Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-009	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]

Printer SP Mode

SP1-XXX

1001	[Bit Switch]			
1-	Bit Switch 1		0	1
001- 001	bit	DFU	-	-
	0			
	bit	Responding with the hostname as the sysName	Model name (PnP name)	Hostname
	1			
	This BitSwitch can change the value of the sysName. 0 (default): Model name (PnP name) such as "MP C401SP" 1: Host name			
	bit	DFU	-	-
	2			
	bit	No I/O Timeout	Disabled	Enabled
	3	Enables/Disables MFP I/O Timeouts. If enabled, the MFP I/O Timeout setting will have no affect. I/O Timeouts will never occur.		
	bit	SD Card Save Mode	Disabled	Enabled
	4	If this bit switch is enabled, print jobs will be saved to the GW SD slot and not output to paper.		
	bit	[PS and PDF] Paper size error margin	±5pt	±10pt
	5	When a PS job is printed by using a custom paper size, the job might not be printed because of a paper size mismatch caused by a calculation error. By default, the error margin for matching to a paper size is ±5 points. By enabling this BitSwitch, the error margin for matching to a paper size can be extended to ±10 points.		
	bit	Color balance switching	0:Disabled	1:Enabled
	6	This BitSwitch can be used to restore the color balance to match that of previous models. If this BitSwitch is set to "1" (Enabled), the color balance that is equivalent to Fuji-Xerox printers will be used.		
	bit	Not used	-	-
	7			

1001	[Bit Switch]			
1-001- 002	Bit Switch 2		0	1
	bit	Color balance switching	Disabled	Enabled
	0	This BitSwitch can be used to restore the color balance to match that of previous models. If this BitSwitch is set to "1" (Enabled), the color balance from 09S and earlier models will be used.		
	bit	Not used	-	-

3.Service Program Mode

1			
bit	Applying a Collate Type	Shift Collate	Normal Collate
2	<p>A collate type (shift or normal) will be applied to all jobs that do not explicitly define a collate type.</p> <p>Note: If #5-0 is enabled, this BitSwitch has no effect.</p>		
bit	[PCL5e/c,PS]: PDL Auto Switching	Enabled	Disabled
3	<p>Enables/Disables the machine's ability to change the PDL processor mid-job.</p> <p>Some host systems submit jobs that contain both PS and PCL5e/c. If Auto PDL switching is disabled, these jobs will not be printed properly.</p>		
bit	Color balance switching	Disabled	Enabled
4	<p>This BitSwitch can be used to restore the color balance to match that of previous models. If this BitSwitch is set to "1" (Enabled), the color balance from 09A and Extended 09A models will be used.</p>		
bit	Not used	-	-
5			
bit	Switch dither	Use normal dither	Use alternative dither
6	*Please refer to RTB#RD014018		
bit	DFU	-	-
7			

1001	[Bit Switch]		
1-001-003	Bit Switch 3	0	1
bit	Not used	-	-
0			
bit	Not used	-	-
1			
bit	[PCL5e/c]: Legacy HP compatibility	Disabled	Enabled
2	<p>Uses the same left margin as older HP models such as HP4000/HP8000.</p> <p>In other words, the left margin defined in the job (usually "<ESC>*r0A") will be changed to "<ESC>*r1A".</p>		
bit	Not used	-	-
3			
bit	Not used	-	-
4			
bit	Not used	-	-
5			
bit	Not used	-	-
6			
bit	Not used	-	-
7			

	6			
	bit	Not used	-	-
	7			

1001	[Bit Switch]			
1-001-004	Bit Switch 4		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	[Bit Switch]			
1-001-005	Bit Switch 5		0	1
	bit 0	Show "Collate Type", "Staple Type" and "Punch Type" buttons on the operation panel.	Disabled	Enabled
	If enabled, users will be able to configure a Collate Type, Staple Type, and Punch Type from the operation panel. The available Types will depend on the device and configured options. After enabling this BitSw, the settings will appear under: "User Tools > Machine Features > Printer Features > System"			
	bit 1	Multiple copies if a paper size or type mismatch occurs	Disabled (single copy)	Enabled (multiple)
	If a paper size or type mismatch occurs during the printing of multiple copies, only a single copy is output by default. Using this BitSw, the device can be configured to print all copies even if a paper mismatch occurs.			
	bit 2	Prevent SDK applications from altering the contents of a job.	Disabled	Enabled
	If this BitSw is enabled, SDK applications will not be able to alter print data. This is achieved by preventing SDK applications from accessing a module called the "GPS Filter". Note: The main purpose of this BitSw is for troubleshooting the effects of SDK applications on data.			
	bit 3	[PS] PS Criteria	Pattern3	Pattern1
	Change the number of PS criterion used by the PS interpreter to determine whether a job is PS data or not.			

3.Service Program Mode

		For details, refer to “ Printing Features ”.		
	bit 4	Increase max. number of stored jobs.	Disabled (100)	Enabled (750)
		Changes the maximum number of jobs that can be stored on the HDD. The default (disabled) is 100. If this is enabled, the max. will be raised to 750 or 1000 depending on the model.		
	bit 5	Face-up output	Disabled	Enabled (Face-up)
		All print jobs will be output face-up in the destination tray.		
	bit 6	Method for determining the image rotation for the edge to bind on.	Disabled	Enabled
		If enabled, the image rotation will be performed as they were in the specifications of older models for the binding of pages of mixed orientation jobs. The old models are below: - PCL: Pre-04A models - PS/PDF/RPCS:Pre-05S models		
	bit 7	Not used	-	-

1001	[Bit Switch]			
1-001-006	Bit Switch 6		0	1
	bit 0	Not used	-	-
	bit 1	Not used	-	-
	bit 2	Not used	-	-
	bit 3	Not used	-	-
	bit 4	Not used	-	-
	bit 5	Not used	-	-
	bit 6	Not used	-	-
	bit 7	Not used	-	-

1001	[Bit Switch]			
1-001-007	Bit Switch 7		0	1
	bit 0	Not used	-	-
	bit 1	Not used	-	-
	bit 2	Not used	-	-
	bit 3	Not used	-	-
	bit 4	Not used	-	-
	bit 5	Not used	-	-
	bit 6	Not used	-	-

	bit 7	Not used	-	-
--	-------	----------	---	---

1001	[Bit Switch]			
1-001-008	Bit Switch 8		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	[PCL,PS]: Allow BW jobs to print without requiring User Code	Disabled	Enabled (allow BW jobs to print without a user code)
	BW jobs submitted without a user code will be printed even if usercode authentication is enabled. Note: Color jobs will not be printed without a valid user code.			
	bit 4	Not used	-	-
	bit 5	Not used	-	-
	bit 6	PCL, RPCS, PS: Forced BW print	Enabled	Disabled
	Switches whether to ignore PDL color command.			
bit 7	[PDF]: Orientation Auto Detect Function	Enabled	Disabled	
Automatically chooses page orientations of PDF jobs (Landscape or Portrait) based on the content.				

1001	[Bit Switch]			
1-001-009	Bit Switch 9		0	1
	bit 0	PDL Auto Detection timeout of jobs submitted via USB or Parallel Port (IEEE 1284).	Disabled (Immediately)	Enabled (10 seconds)
To be used if PDL auto-detection fails. A failure of PDL auto detection doesn't necessarily mean that the job can't be printed. This bit switch tells the device whether to time-out immediately (default) upon failure or to wait 10 seconds.				
	bit 1	Not used	-	-
	bit 2	Job Cancel	Disabled (Not cancelled)	Enabled (Cancelled)
If this bit switch, all jobs will be cancelled after a jam occurs. Note: If this bitsw is enabled, printing under the following conditions might result in problems:				

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		<p>- Job submission via USB or Parallel Port</p> <p>- Spool printing (WIM >Configuration > Device Settings > System)</p>		
	bit	PCL/PS bypass tray paper rotation (SEF/LEF)	Disabled	Enabled
	3	<p>This bitsw causes the device to revert to the behavior of previous generations. It only takes effect if "Bypass Tray Setting Priority" = "Driver/Command".</p> <p>Previous spec (bitsw=1): If a standard sized paper mismatch occurred in the bypass tray, the MFP/LP always prompted for SEF paper.</p> <p>If this bitsw=0 (default) then in the event of a standard sized paper mismatch, the MFP/LP will always prompt for paper of the rotation (SEF/LEF) determined by the MFP/LP bypass tray paper setting or by the bypass tray sensor.</p>		
	bit	Timing of the PjL Status ReadBack (JOB END) when printing multiple collated copies.	Disable	Enable
	4	<p>This bitsw determines the timing of the PjL USTATUS JOB END sent when multiple collated copies are being printed.</p> <p>0 (default): JOB END is sent by the device to the client after the first copy has completed printing. This causes the page counter to be incremented after the first copy and then again at the end of the job.</p> <p>1: JOB END is sent by the device to the client after the last copy has finished printing. This causes the page counter to be incremented at the end of each job.</p>		
	bit	Display UTF-8 text in the operation panel	Enabled	Disabled
	5	<p>Enabled (=0):</p> <p>Text composed of UTF-8 characters can be displayed in the operation panel.</p> <p>Disabled (=1):</p> <p>UTF-8 characters cannot be displayed in the operation panel.</p> <p>For example, job names are sometimes stored in the MIB using UTF-8 encoded characters. When these are displayed on the operation panel, they will be garbled unless this BitSw is enabled (=0).</p>		
	bit	Disable super option	Enabled	Disabled
	6	<p>Switches super option disable on / off. If this is On, multiple jobs are grouped at LPR port. PjL settings are enabled even jobs that are specified queue names are sent.</p>		
	bit	Enable/Disable Print from USB/SD's Preview function	Enabled	Disabled
	7	<p>Determines whether Print from USB/SD will have the Preview function.</p> <p>Enabled (=0): Print from USB/SD will have the Preview function.</p> <p>Disabled (=1): Print from USB/SD will not have the Preview function.</p>		

1001	[Bit Switch]		
1-001-	Bit Switch A	0	1

010	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	Not used	-	-
	bit 5	Store and Skip Errored Job locks the queue	Queue is not locked after SSEJ	Queue locked after SSEJ
		If this is 1, then after a job is stored using Store and Skip Errored Job (SSEJ), new jobs cannot be added to the queue until the stored job has been completely printed.		
	bit 6	Allow use of Store and Skip Errored Job if connected to an external charge device.	Does not allow SSEJ with ECD	Allows SSEJ with ECD
		If this is 0, Store and Skip Errored Job (SSEJ) will be automatically disabled if an external charge device is connected. Note: We do not officially support enabling this bitsw (1). Use it at your own risk.		
	bit 7	Job cancels remaining pages when the paid-for pages have been printed on an external charge device	Job does not cancel	Job cancels
		When setting 1 is enabled, after printing the paid-for pages on an external charge device, the job that includes any remaining pages will be canceled. This setting will prevent the next user from printing the unnecessary pages from the previous user's print job.		

1001	[Bit Switch]			
1-001-011	Bit Switch B	0	1	
	bit 0	Show Menu List	Hide Menu List	Show Menu List
		If this is 0, the Menu List button will be removed from Printer Features.		
	bit 1	Print job interruption	Does not allow interruption	Allow interruption
		0 (default): Print jobs are not interrupted. If a job is promoted to the top of the print queue, it will wait for the currently printing job to finish.		

3.Service Program Mode

		1: If a job is promoted to the top of the queue, it will interrupt the currently printing job and start printing immediately.		
	bit 2	Not used	-	-
	bit 3	Change the behavior of the center staple	Cancel the job	Continue to print
		<p>This Bit Switch can change the behavior of the center staple when the maximum number of sheets for stapling is exceeded.</p> <p>0 (default): The job is canceled and an error is recorded in the log.</p> <p>1: The job is not canceled and is produced. How the job is produced in any behavior depends on the type of finisher.</p>		
	bit 4	Add "Apply Auto Paper Select" is the condition that decides if the device's paper size or paper type should be overwritten.	Disabled	Enabled
		<p>If this BitSwitch is set to "1" (enabled), the "Apply Auto Paper Select" setting will decide if the paper size or paper type that is specified in the device settings should be overwritten by the job's commands when "Tray Setting Priority" is set to "Driver/Command" or "Any Type".</p> <ul style="list-style-type: none"> - Apply Auto Paper Select = OFF: Overwritten (priority is given to the job's commands) - Apply Auto Paper Select = ON: Not overwritten (priority is given to the device settings) 		
	bit 5	Not used	-	-
	bit 6	Not used	-	-
	bit 7	Not used	-	-

1001	[Bit Switch]			
1-001-012	Bit Switch C		0	1
	bit 0	DFU	-	-
	bit 1	Not used	-	-
	bit 2	Not used	-	-
	bit 3	Not used	-	-
	bit 4	Not used	-	-

bit 5	Change the user ID type displayed on the operation panel	Login User Name	User ID
	As of 15S models, the Login User Name can be displayed on the operation panel. The user ID type displayed on the operation panel can be changed by configuring BitSwitch #12-5 as follows: - 0 (default): Login User Name - 1: User ID. If this is enabled, User ID will be displayed, which is equivalent to the behavior exhibited in 14A and earlier models.		
	bit 6	Ability to use AirPrint	Enabled
	For 15S and later models that support AirPrint, AirPrint can be disabled by changing this Bit Switch from 0 (default) to 1.		
bit 7	Not used	-	-

1003	[Clear Setting]		
1-003-001	Initialize System	*CTL	[- / - / -] [Execute]
	Initializes settings in the "System" menu of the user mode.		
1-003-003	Delete Program	*CTL	[- / - / -] [Execute]

1004	[Print Summary]		
	Prints the service summary sheet (a summary of all the controller settings).		
1-004-001	Print Summary	*CTL	[- / - / -] [Execute]
1-004-002	Print Summary2	*CTL	[- / - / -] [Execute]

1005	[Display Version]		
1-005-002	Printer Version	*CTL	[- / - / -]
	Displays the version of the controller firmware.		

1101	[Data Recall]		
	Recalls a set of gamma settings. This can be either a) the factory setting, b) the previous setting, or c) the current setting.		
1-101-001	Factory	*CTL	[- / - / -] [Execute]
1-101-	Previous	*CTL	

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002			
1-101-003	Current	*CTL	
1-101-004	ACC	*CTL	

1102	[Resolution Setting]		
	Selects the printing mode (resolution) for the printer gamma adjustment.		
1-102-001	Tone Control Mode Selection	CTL	[0 to 9 / 0 / 1/step] 0: 1200x1200 Photo (2bit/4col) 1: 1200x1200 Photo (1bit/4col) 2: 600x600 Photo (4bit/4col) 3: 600x600 Photo (2bit/4col) 4: 600x600 Photo (1bit/4col) 5: 1200x1200 Text (2bit/4col) 6: 1200x1200 Text (1bit/4col) 7: 600x600 Text (4bit/4col) 8: 600x600 Text (2bit/4col) 9: 600x600 Text (1bit/4col)

1103	[Test Page]		
	Prints the test page to check the color balance before and after the gamma adjustment.		
1-103-001	Color Gray Scale	CTL	[- / - / -]
1-103-002	Color Pattern	CTL	[Execute]

1104	[Gamma Adjustment]		
	Adjusts the printer gamma for the mode selected in the "Mode Selection" menu.		
1-104-001	Black: Highlight	CTL	[0 to 255 / 00 / 1/step]
1-104-002	Black: Shadow	CTL	
1-104-003	Black: Middle	CTL	
1-104-004	Black: IDmax	CTL	
1-104-021	Cyan: Highlight	CTL	
1-104-022	Cyan: Shadow	CTL	
1-104-023	Cyan: Middle	CTL	
1-104-024	Cyan: IDmax	CTL	
1-104-041	Magenta: Highlight	CTL	
1-104-042	Magenta: Shadow	CTL	
1-104-043	Magenta: Middle	CTL	

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1-104-044	Magenta: IDmax	CTL	
1-104-061	Yellow: Highlight	CTL	
1-104-062	Yellow: Shadow	CTL	
1-104-063	Yellow: Middle	CTL	
1-104-064	Yellow: IDmax	CTL	

1105	[Save Tone Control Value]		
	Stores the print gamma adjusted with the "Gamma Adj." menu item as the current setting. Before the machine stores the new "current setting", it moves the data currently stored as the "current setting" to the "previous setting" memory storage location.		
1-105-001	Save Tone Control Value	*CTL	[- / - / -] [Execute]

1106	[Toner Limit]		
	Adjusts the maximum toner amount for image development.		
1-106-001	Toner Limit Value	*CTL	[0 to 400 / 0 / 1 %/step]

1110	[Media Print Device Setting]		
	Selects the setting for the media print device.		
1-110-002	0: Disable 1: Enable	*CTL	[0 or 1 / 1 / 1 / step]

1111	[All Job Delete Mode]		
	1-111-001	-	*CTL
	Selects whether to include an image processing job in jobs subject to full cancellation from the SCS job list.		

Scanner SP Mode

SP1-XXX (System and Others)

1001	[Scan Nv Version]		
	Displays the scanner firmware version stored in NVRAM in a 9-digit format: Func. Name_Model Name_History No.		
005	-	*CTL	[- / - / -]

1005	[Erase Margin(Remote scan)]		
	Creates an erase margin for all edges of the scanned image. If the machine has scanned the edge of the original, create a margin. This SP is activated only when the machine uses TWAIN scanning.		
001	Range from 0 to 5 mm	*CTL	[0 to 5 / 0 / 1 mm / step]

1009	[Remote scan disable]		
001	-	*CTL	[0 or 1 / 0 / 1 / step] 0: ON (enabled) 1: OFF (disabled)
	This SP switches the TWAIN scanner function on/off. This is one of the scanner application functions.		

1010	[Non Display Clear Light PDF]		
001	-	*CTL	[0 or 1 / 0 / 1 / step] 0: Display, 1: No display
	Display or Non display remote scan.		

1011	[Org Count Display]		
001	-	*CTL	[0 or 1 / 0 / 1 / step] 0: OFF (no display) 1: ON (count displays)
	This SP codes switches the original count display on/off.		

1012	[User Info Release]		
001	-	*CTL	[0 or 1 / 1 / 1 / step] 1: Release 0: Do not release
	This SP code sets the machine to release or not release the following items at job end. <ul style="list-style-type: none"> • Destination (E-mail/Folder/CS) • Sender name 		

	<ul style="list-style-type: none"> • Mail Text • Subject line • File name
--	--

1013	[Scan to Media Device Setting]		
002	-	*CTL	[0 or 1 / 1 / 1 / step] 0: Disable 1: Enable
This SP code enables/disables the multi-media function option (USB 2.0/SD Slot) mounted on the front of the machine. Operators can scan documents to either an SD card or a USB memory device inserted into this unit. This SP must be enabled (set to "1") in order for the device to function.			

1014	[Scan to Folder Pass Input Set]		
001	-	*CTL	[0 or 1 / 0 / 1 / step] 0: Disable 1: Enable
Enables / Disables to input password for Scan To Folder.			

1041	[Scan: FlairAPI Setting]			
001	-	*CTL	* see BitSwitch below:	
Sets Scanner FlairAPI Function enable / disable. This SP is set by BitSwitch and needs to reboot the machine after making changes.				
bit	Setting	meanings		Description
		0	1	
bit 0	Start of FlairAPI Server	Off (Do not Start)	On (Start)	Sets whether to start exclusive FlairAPI http server. If it is 0, scanning FlairAPI function and simple UI function will be disabled. The machine installed Android operating panel option, set "1", others set "0".
bit 1	Access permission of FlairAPI from outside of the machine	Disabled	Enabled	If it is "0", accessing is limited from the machine only, such as operating panel, SDK/J, MFP browsers etc... If it is "1", accessing is allowed from outside of FlairAPI such as PC, Remote UI, IT-Box etc...
bit 2	Reserved	-	-	-
bit 3	Reserved	-	-	-
bit 4	Simple UI Function	Disabled	Enabled	If it is "1", the machine can be used Scanner Simple UI. If it is "0", requesting URL of Simple UI returns "404 Not Found"
bit 5	Accessing permission	Disabled	Enabled	If it is "0", accessing is limited from the machine only

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	of Simple UI from outside of the machine			(operating panel and MFP browser). If it is “1”, accessing is allowed from outside of Simple UI such as PC, mobile devices, and so on.
bit 6	Reserved	-	-	-
bit 7	Reserved	-	-	-

SP2-XXX (Scanning-image quality)

2021	[Compression Level (Gray-scale)]			
	Selects the compression ratio for grayscale processing mode (JPEG) for the five settings that can be selected at the operation panel.			
001	Comp1:5-95	*CTL	[5 to 95 / 20 / 1 / step]	
002	Comp2:5-95	*CTL	[5 to 95 / 40 / 1 / step]	
003	Comp3:5-95	*CTL	[5 to 95 / 65 / 1 / step]	
004	Comp4:5-95	*CTL	[5 to 95 / 80 / 1 / step]	
005	Comp5:5-95	*CTL	[5 to 95 / 95 / 1 / step]	

2023	[ClearLightPDF:ACS Setting]			
	This SP code enables/disables the ACS function.			
001	-	*CTL	[0 or 1 / 1 / 1 / step] 0: Disable 1: Enable	

2024	[Compression ratio of ClearLight PDF]			
	Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.			
001	Compression Ratio (Normal image)	*CTL	[5 to 95 / 25 / 1 / step]	
002	Compression Ratio (High)	*CTL	[5 to 95 / 15 / 1 / step]	

2025	[Compression ratio of ClearLightPDF JPEG2000]			
	Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.			
001	Compression Ratio (Normal) JPEG2000	*CTL	[5 to 95 / 25 / 1 / step]	
002	Compression Ratio (High) JPEG2000	*CTL	[5 to 95 / 15 / 1 / step]	

2030	[OCR PDF DetectSens]			
001	White Lumi Value: 0 - 255	*CTL	[0 to 255 / 250 / 1 / step]	
002	White Pix Ratio: 0 - 100	*CTL	[0 to 100 / 80 / 1 / step]	
003	White Tile Ratio: 0 - 100	*CTL	[0 to 100 / 80 / 1 / step]	

2031	[Vertical Judgment Setting]		
001	Function Setting: 0 - 1	*CTL	[0 to 1 / 0 / 1 / step] 0:Enable 1:Disable
	When the image does not become upright state due to the vertical judgment error, set this SP to "0: Disable". After changing the setting, turn OFF/ON the main power.		
002	Algorithm Setting: 0 - 2	*CTL	[0 to 2 / 0 / 1 / step] 0: Normal Algorithm 1: Simple Algorithm 2: Composite Algorithm
	Set the identification algorithm when SP2-031-001 is "1: Enable". Change the setting when the vertical judgment error occur frequently. After changing the setting, turn OFF/ON the main power.		

4. Device Software Configuration

Printing Features

Behavior of USB Printer Detection

An MFP/LP connected via USB sends its product name and unique serial number. With the data, the machine determines whether requires a printer driver for the USB device to be installed.

SP5-844-005 allows you to change how to determine the MFP/LP requires a printer driver installation:

- OFF

If SP5-844-005 is set to OFF, the unique serial number of the device is sent to the computer. As a result, if the device is swapped out for a device of the same product, pop-up messages will appear, because the serial numbers between the two are different.

- Level 1

If SP5-844-005 is set to Level 1, a common serial number for the product such as "MP 305+" series is sent to the computer. As a result, if the device is swapped out for a device of the same product, pop-up messages will not appear because the devices are recognized as having the same serial number.

- Level 2

If SP5-844-005 is set to Level 2, a common serial number for all GW/GW+ models is sent to the computer. As a result, if a GW/GW+ device is swapped out for a different GW/GW+ device, pop-up messages will not appear because the devices are both recognized as being based on GW/GW+.

Auto PDL Detection Function

Overview

The Auto PDL Detection function gives the MFP the ability to determine the PDL of a job or of specific parts of a job. This can be especially useful in cases where the PDL is not specified or if the job contains multiple PDLs. This is only possible if the job was not created using a driver.

Conditions for detection of the PDL

The MFP will only attempt to detect a job's PDL if all of the following conditions are met.

- No @PJL ENTER LANGUAGE command is contained in the job
- No submission protocol options (lpr, ftp, rcp, or rsh options) have been used to specify the PDL
- User Tools > Printer > System > Printer Language = Auto

Note

The printer is unable to detect PCL6 or RPCS. However these are almost always created using a driver and therefore contain the PJL command specifying the PDL.

PDL detection by the printer system, PCL interpreter and PS interpreter

There are 3 components in the printer which can perform Auto PDL Detection:

1. Printer system:

Uses a set of triggers unique to PCL5, PS or PDF. Up to 2KB from the start of the job can be searched for triggers.

2. PCL interpreter:

It can detect PS triggers in PCL data. If a PS trigger is detected, the PCL interpreter will abort processing and return the unprocessed part of the job back to the printer system. Up to 256 bytes from the start of each page can be searched for triggers.

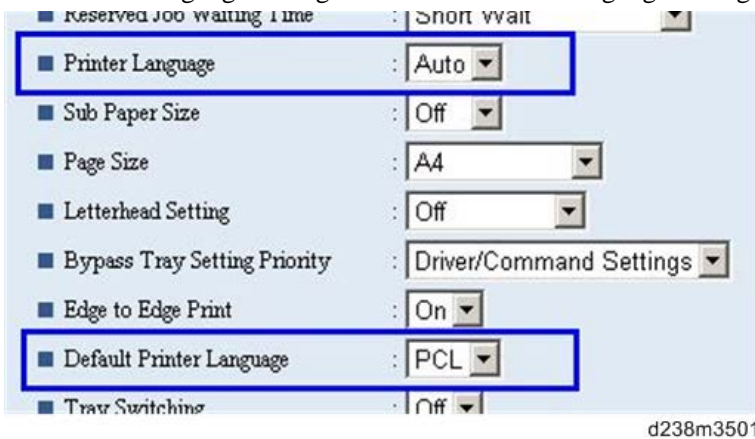
3. PS interpreter:

It can detect PCL5 triggers in PS data. If a PCL trigger is detected, the PS interpreter will abort processing and return the unprocessed part of the job back to the printer system. The entire page (regardless of the number of bytes) is searched for triggers.

Note

- 2. and 3. can be disabled using Printer Bit Switch 2-3=1.
- If the "Printer Language" is configured to anything other than Auto, all detection will be disabled.
- An interpreter submits a job page by page to the rasterizer. Therefore, when an interpreter detects a trigger mid-job, the previous pages will have already been submitted and will be output using the previously detected PDL.
- If the PDL cannot be detected by the printer system, then the PDL defaults to the one configured in "Configuration > Printer Basic Settings > Default Printer Language".

The Printer Language setting and Default Printer Language setting in WIM:

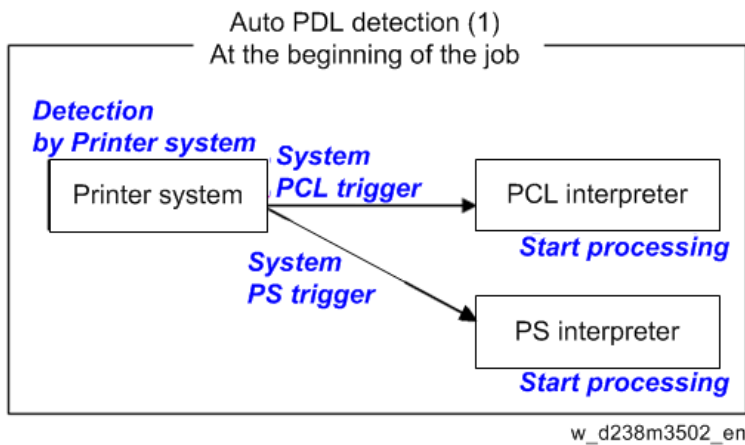


PDL selection and switching

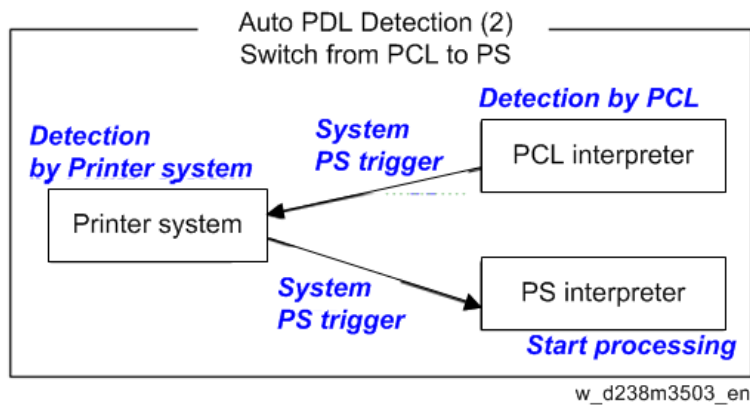
3 types of PDL selection/switching are performed:

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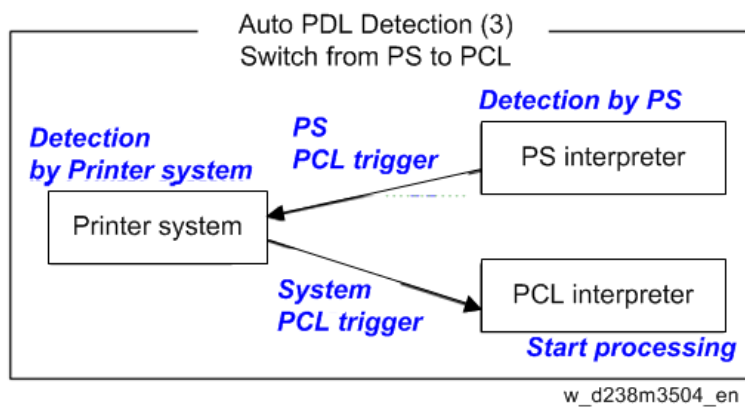
1. PDL selection (PCL5 or PS (including PDF)) at the beginning of the job: performed by the printer system



2. PDL switching from PCL5 to PS: performed by the PCL interpreter and the printer system



3. PDL switching from PS to PCL5: performed by the PS interpreter and the printer system



Triggers

- Printer system

PCL5 triggers	[ESC]E [FF]
PS triggers	%!PS-Adobe-3.1 "%!" "dict begin"

	"bind def" "findfont" "showpage" "/statusdict" "0 startjob" [EOT] "}" + space character + "def" "userdict" (*)
PDF triggers	%PDF- %!PS-Adobe-M.nPDF- (*M, n=numeric)

* "userdict" is excluded by configuring Printer Bit Switch 5-3=1.

Note

- Up to 2KB from the start of the job can be searched for triggers.
- "%%" can be added to the PS triggers by configuring Printer Bit Switch 5-3=1
- If a job is identified as PDF, it will be sent to the PS interpreter to be processed as a regular PS job.
- PS interpreter

PCL5 trigger	[ESC]E and 2 or more continuous PCL commands
--------------	--

Note

Up to 256 bytes from the start of each page can be searched for triggers.

Some possible problems

- Garbled output:
If a string of characters (or binary data) is mistaken as a trigger and an incorrect PDL is applied, the output will be garbled.
- Incorrect printer settings:
Printer settings, for example the paper size, is incorrectly applied. This can happen when the printer settings at the beginning of the job are initialized before a PDL switch occurred and no settings were configured for the rest of the job.

Printer Bit Switch description

- Bit Switch 2-3
This controls Auto PDL Detection by the PCL interpreter and PS interpreter.
BitSW 2-3=0 (default):
If PDL switching is applied to the job, all of the printer system, PCL interpreter and PS interpreter will search for switching criteria (triggers).
BitSW 2-3=1:
Only the printer system will search for switching criteria (triggers). PCL/PS interpreters will not.
- Bit Switch 5-3
This affects the PDL switching criteria (triggers) used by the printer system.
BitSW 5-3=0 (default):

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"%%" is not used as a printer system PS trigger. "%%" will not call the PS interpreter.

BitSW 5-3=1:

"%%" is used as a printer system PS trigger.

The reason that "%%" is not included as a trigger by default, is that a string of text in the body of the job such as the below, could result in a false positive. This would trigger a switch and result garbled output.

%%%%%%%%%

However some customers prefer that "%%" be included as a switching criteria. BitSW5-3=1 should be used in such a case.

Note

A side effect of BitSW5-3=1 is that "userdict" will no longer be used as a PS trigger.

- Bit Switch 9-0

These determine whether Auto PDL Detection for print jobs transmitted via USB/parallel will wait 10 seconds to make sure the first 2KB of the job has been sent.

The Printer system portion of the Auto PDL Detection function is only performed on the first 2KB of a job and can wait up to 10 seconds for that first 2KB to arrive. As the printer is unable to detect the end of jobs submitted over a USB/Parallel connection, it might be preferable to not wait 10 seconds if jobs of less than 2KB are going to be printed. Enabling/disabling this waiting time is the purpose of BitSw 9-0.

BitSw 9-0=0 (default):

The printer system will not wait 10 seconds for the first 2KB of data to arrive.

BitSw 9-0=1:

The printer system will wait up to 10 seconds for the first 2KB of data to arrive.

Up to 2KB from the start of the job can be searched for triggers.

"%%" can be added to the PS triggers by configuring Printer Bit Switch 5-3=1

If a job is identified as PDF, it will be sent to the PS interpreter to be processed as a regular PS job.

Print Images Rotation

Printer Bit Switch description

- Bit Switch 5-6

This change the way an MFP/LP rotates PCL, PS, PDF, or RPCS print images.

BitSW 5-6=0 (default):

A uniform binding edge (short or long edge) will be applied to every page of every job. Pages will always be rotated as if they were to be bound on that edge.

BitSW 5-6=1:

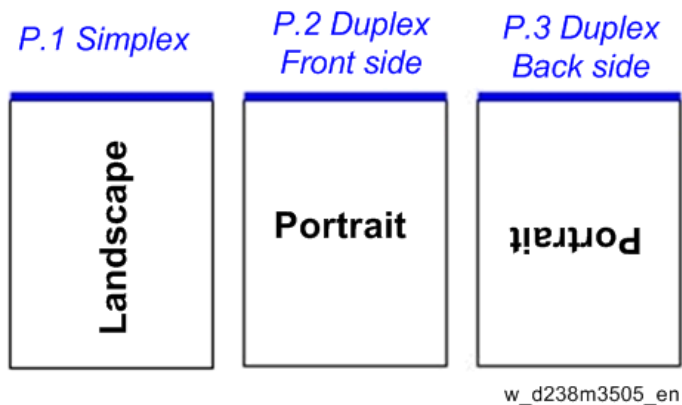
A uniform binding edge (short or long edge) will only be applied if the job is stapled, punched, or Z-folded. Otherwise, the bound edge might differ from page to page.

Example:

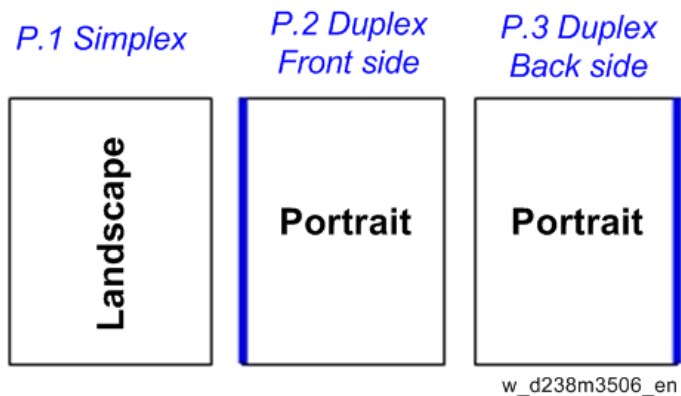
A 3-page job. Page 1 has the PCL simplex command. Page 2 and 3 have the PCL duplex long-edge bind commands.

No finishing options (staple, punch, z-fold) are used.

Bit Switch #5-6=0:



Bit Switch #5-6=1:



Note

Used in conjunction with Bit Switch #5-6, Orientation Auto Detect for PS/PDF jobs might cause unexpected results.

PJL USTATUS

Printer Bit Switch description

- Bit Switch 9-4

These control the way PJL USTATUS returns page count totals in cases where multiple copies of a job are being printed.

BitSw 9-4=0 (default):

This change the way an MFP/LP rotates PCL, PS, PDF, or RPCS print images.

1. The page count for a single copy is returned after the first copy is printed.
2. The page count for the rest of the copies, excluding the first copy, is returned after all copies have been printed.
3. This emulates an older HP PCL firmware spec. It is only needed for compatibility with legacy software.

4.Device Software Configuration

BitSw 9-4=1:

The page count for all copies is output after all copies have been printed.

This emulates more recent HP PCL firmware specs.

For example, consider 3 copies of a 3 page job:

- 9-4 = 0
@PJL USTATUS JOB
START
NAME="TEST_page1-3"
@PJL USTATUS PAGE
1
@PJL USTATUS PAGE
2
@PJL USTATUS PAGE
3
@PJL USTATUS JOB
END
NAME="TEST_page1-3"
PAGES=3
<comment> The page count of the first copy is returned.</comment>
@PJL USTATUS PAGE
1
@PJL USTATUS PAGE
2
@PJL USTATUS PAGE
3
@PJL USTATUS PAGE
4
@PJL USTATUS PAGE
5
@PJL USTATUS PAGE
6
<comment> The page count of the remaining two copies is returned.</comment>
- 9-4 = 1
@PJL USTATUS JOB
START
NAME="Microsoft Word - TEST_page1-3"
@PJL USTATUS PAGE
1
@PJL USTATUS PAGE

2

@PJL USTATUS PAGE

3

@PJL USTATUS PAGE

4

@PJL USTATUS PAGE

5

@PJL USTATUS PAGE

6@PJL USTATUS PAGE

7

@PJL USTATUS PAGE

8

@PJL USTATUS PAGE

9

@PJL USTATUS JOB

END

NAME="Microsoft Word - TEST_page1-3"

PAGES=9

<comment> The page count of all three copies is returned.</comment>

Scanner Features

Display settings of recently used scan destination

Configuring the scanner interface so that the most recently used scan destination is cleared.

Whether the MFP clears the most recently used scan destination, can be configured using Scanner SP 1-012-001.

By default, this is cleared to avoid subsequent users scanning to it by mistake.

Scanner SP 1-012-001

1 (default): Clear

0: Do not clear

This will cause all of the following to be cleared after the scanning is complete:

- Destination
- Sender
- Email subject
- Email message
- File name

Scanner SP 1-012-001=1 (default):

The information in the list above will be cleared after scanning is finished.

Exceptions:

- User Auth.:
If SP 1-012-001 = 0 and if User Auth. (excluding User Code authentication) is enabled, the most recently used scan destination will only be retained until the user logs out.
- Scanner Auto Reset timer:
Even if SP 1-012-001 = 0 the most recently used scan destination can still be cleared by the Scanner Auto Reset timer. If the Scanner Auto Reset timer is shorter than the System Auto Reset timer, then the most recently used scan destination will be cleared when the Scanner Auto Reset timer elapses.

The Setting of SMTP authentication in Scan to Email

Scan to Email fails with the error message "Transmission has failed ". The SMTP username and password are correct. How can I make Scan to Email pass?

Change SP 5-860-022 "SMTP Auth. From Field Replacement" to On. By doing this, Scan to Email will pass the SMTP authentication.

Note

Using this option to solve the above problem, the device email address will appear in the email's "From" field. The email address of the user who sent the email will appear in the "Reply-to" field.

Explanation

This is an SMTP authentication issue that aborts transmission of an already started Scan to Email. Currently this has only been reproduced using MS-Exchange server.

MS-Exchange requires that all of the following match:

1. The sender's address in the "MAIL FROM" field. This is also known as the "envelope sender" or "MIME sender". It is an SMTP command sent at the beginning of the email transmission process.
2. The sender's address in the mail header "From:" field. This appears as "From" in email clients. It is a part of the email itself.
3. The email address corresponding to the SMTP username used to login into the SMTP server.

When the MFP logs into the SMTP server, the email address of the username 3) will be compared to 1) and 2). If these comparisons fail, authentication will also fail. Exchange server will stop the transmission procedure, and the "Transmission has failed" message will be returned to the sender.

Typical example

- NG case:

SP5-860-022 is Off:

1. The "MAIL FROM" field = device
2. The mail header "From:" field = user
3. The SMTP username = device

When the SMTP server compares 2) and 3) the Exchange Server will stop the transmission procedure.

- OK case:

SP5-860 can be used to make the values in the above example, match.

In this example, if SP5-860-022 is On, the user's email address in the mail header '2)' will be replaced by the Administrator's email address.

To solve the problem, the Administrator's address must be the same as the device's address.

If this is done:

1. The "Mail From: field = device
2. The mail header "From:" field = administrator
3. The SMTP username = device

1,2 and 3 must match and the authentication should be successful.



The user's email address will still be inserted into the reply-to field.

The device SMTP user name, password, and email address are configurable in [User Tools] > [Machine Features] > [System Settings] > [File Transfer] > [SMTP Authentication]

User email addresses are configurable in the user configuration of the Address Book.

The administrator email address is configurable in [User Tools] > [Machine Features] > [System Settings] > [File Transfer] > [Administrator's Email Address]

The Qualification Switching of Scan to Folder

Determining which account Scan to Folder uses to access a scan destination and the effects of System SP 5-846-021.

This method depends on how the destination is accessed, whether authentication is being used, and SP 5-846-021.

4.Device Software Configuration

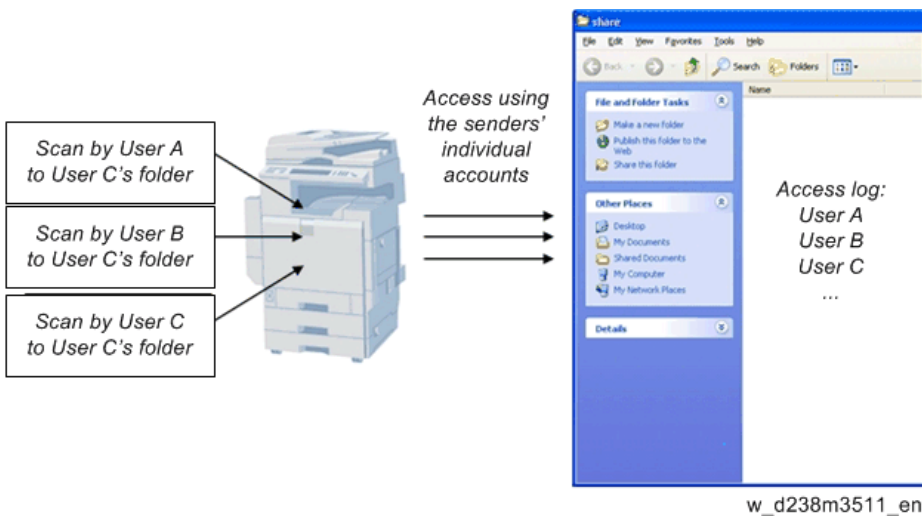
Cases:

Case	Destination selection	User auth.	Account used to access the folder
A	Manual entry	Either enabled or disabled	The user's account *
B	Destination list	disabled	The recipient's account (as configured in the Address Book's Folder Authentication setting)
C		enabled	If SP 5-846-021 = 0 (default): The authenticated user's account 1: The recipient's account (as configured in the Address Book's Folder Authentication setting)

* The "user's account" will be either the one entered during scanning (see the Manual Entry screen capture) or if User Auth. is enabled, the account configured in the user's Folder Authentication setting will be used.

The destination's access logs:

Case A or Case C with SP=0: The access logs can be used to determine which user sent the scan.

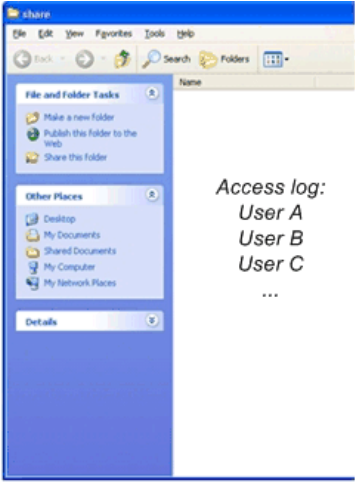


Case B or Case C with SP=1: All access will be logged as the same user.

- Scan by User A to User C's folder
- Scan by User B to User C's folder
- Scan by User C to User C's folder



Access using the recipient's account (User C)



w_d238m3512_en

Management Features

How to Disable the Document Server Function

1. Enter 'Copy' SP mode.
2. Change SP5-967-001 to 1. (0:ON 1:OFF)
3. Reboot the machine.

 **Note**

When the above SP mode (SP5-967-001) is OFF (=1), both the Document Server and Locked Print functions will be disabled.

~~How to Use Locked Print When the Document Server Is Disabled~~

RTB 21

- ~~1. Enter 'Printer' SP mode.~~
- ~~2. Set SP1-006-001 to 1.~~
~~0: Link with Doc. Srv (default)~~

~~Locked print will only be enabled if the document server is enabled.~~

~~1: Enable~~

~~Locked Print will be enabled no matter the status of the document server.~~

- ~~3. Turn OFF then ON the main power.~~

Security Features

How to Restrict Access to the WIM Job Menu

1. Enter 'Printer' SP mode.
2. Set SP5-888-001
 - 0: (default): "Job" menu is enabled.
 - 1: "Job" menu is disabled.

Note

This setting takes effect only if user authentication (other than User Code auth.) is disabled.



How to Restrict Web Image Monitor Access to the Document Server

System (Copier) SP 5-885-020 bit 0, 1 and 7 restrict Web Image Monitor access to the DS. It disables the following WIM settings:

- The entire Document Server menu (shown in blue in fig1)
- Job > Document Server (shown in red in fig1)

See the following for details:

- Bit 0:
 - Bit 0 = 0 (default): Allows anyone (guests, users, admins) access to the DS via WIM.
 - Bit 0 = 1: Prevents everyone from accessing the DS via WIM.
- Bit 1:
 - Bit 1 = 0 (default): Allows anyone (guests, users, admins) access to the DS via WIM.
 - Bit 1 = 1: Only administrators can access the DS via WIM.

Note

Without admin privileges, even authenticated users will be unable to access the DS via WIM.

- Bit 7:
 - Bit 7 = 0 (default): Allows anyone (guests, users, admins) access to the DS via WIM.
 - Bit 7 = 1: Only administrators and authenticated users can access the DS via WIM.

The most restrictive result of combining these three configurations will take priority. So for example:

Bit 0 = 0

Bit 1 = 1

4. Device Software Configuration

Bit 7 = 1

As Bit 1 = 1 is the most restrictive of the three, it will take precedence over the other two and only administrators will be able to access the DS via WIM.



Note

- In order for SP5-885-020 to have any effect, the Document Server must be enabled (SP5-967-001=0). For information about SP5-967-001, refer to Disabling the Document Server using System SP5-967-001 and ~~Printer SP1-006-001~~. RTB 21
- Access to the entire "Job" menu can be restricted using SP 5-888-001. For details, refer to Use of SP 5-888-001 to restrict access to the "Job" menu on WIM.

User Authentication for Specific MFP Applications

The SP5-420 settings enable/disable User Authentication for specific MFP applications.

SP 5-420	User Authentication	Value (Default: 0)	
SP5-420-001	Copy	0 (ON)	1 (OFF)
SP5-420-011	Document Server		
SP5-420-021	Fax		
SP5-420-031	Scanner		
SP5-420-041	Printer		

- 1.** Enable User Authentication for the device as a whole:
User Tools > System Settings > Administrator Tools > User Authentication Management
- 2.** Use the SP5-420 settings to specify the applications to which User authentication is to apply.