

**Model Andromeda-P1
Machine Code: M205/M238
Field Service Manual**

June, 2015
(V2.00)

Revision Lists (V2.00)

Revision Date: 26.06.2015

Product Information

Section	Item	Note
Product Overview	Electrical Components > Around the Drum	"1" and "2" have been added to the names of the quenching lamps.

Installation

Section	Item	Note
Installation Requirements	System Dimensions	Machine weight has been corrected.
Main Machine Installation	Installation Flow Chart	The flow chart has been corrected.
	Accessory Check	The accessories have been revised.
	Installation Procedure	The procedure has been corrected.
Color Controller E-43 (M465)	Installation	Information about the controller cover has been added.
Color Controller E-83 (M466)	Installation	Information about the controller cover has been added.
Vacuum Feed LCIT RT5100 (D777)	Installation Procedure	The pictures of shipping materials have been replaced.
	Installation Procedure > Tray Heater (Option)	This item has been added.
Vacuum Feed Banner Sheet Tray Type S3 (D777)	Accessories	The accessories have been revised.
	Installation	The procedure has been corrected.

Section	Item	Note
High Capacity Stacker SK5030 (D776)	Installation	The size of the screws to be used when installing the high capacity stacker right next to the main machine has been corrected.
Tray Heater (Main Machine)	Tray Heater (Imaging Section)	A note about the power of the tray heater has been added.
	Tray Heater (Fusing Section)	A note about the power of the tray heater has been added.
Tray Heater (Vacuum Feed LCIT RT5100)	Installation	A note about the power of the tray heater has been added.
Service Slot Board	Installation	Information about the controller cover has been added.

Preventive Maintenance

Section	Item	Note
PM Counter Display	Opening the PM Counter	Notes have been added.
Cleaning Points (1)	PCDU > Quenching Lamp 1	"1" has been added to the part name.
	PCDU > Quenching Lamp 2	This item has been added.
	Intermediate Transfer Belt Unit (ITB) > ITB Belt Speed Sensor	The procedure has been corrected.
	Intermediate Transfer Belt Unit (ITB) > Image Transfer Entrance Guide Plate	This item has been added.
Cleaning Points (2)	Filters > PSU Filter (Imaging Section)	The title and the procedure have been modified.
	Filters > PSU Filter (Fusing Section)	This item has been added.
	Filters > VOC Filters	This item has been added.

Section	Item	Note
Lubrication Points	Intermediate Transfer Belt (ITB) Unit > ITB Motor Drive Gears	Lubrication interval has been corrected.

Replacement and Adjustment

Section	Item	Note
Around the Drum	PCDU	Notes have been added.
	PCU Cleaning Unit Removal > When installing the PCU Cleaning Unit	This item has been added.
	PCU Cleaning Unit Internal Components > Applying the Zinc Stearate and Yellow toner to the PCU Cleaning Roller/ Lubrication Roller	This item has been modified.
	PCU Cleaning Unit Internal Components > Applying the Grease to the Gears of PCU Cleaning Unit	The title has been changed from "PCU Cleaning Unit (Gears)".
	PCU Cleaning Unit Internal Components > Applying the Grease to the Bearings of the PCU Cleaning Unit	This item has been added.
	PCU Cleaning Unit Internal Components > Cleaning the Lubricant End Detection Switch	This item has been added.
	Quenching Lamp 1	"1" has been added to the part name.

Section	Item	Note
Intermediate Transfer Belt Unit (ITB)	-	An instruction to adjust the image position has been added.
	Intermediate Transfer Belt > Installing the Intermediate Transfer Belt	The procedure has been corrected.
	ITB Belt Speed Sensor > Adjustment after replacing the ITB belt speed sensor	This item has been added.
ITB Cleaning Unit	ITB Cleaning Unit	The procedure has been corrected.
	ITB Cleaning Sub Unit	The numbers of the ITB cleaning sub units have been changed.
	ITB Cleaning Sub Unit > ITB Cleaning Vibrating Plate	This item has been added.
Paper Transfer Unit (PTR)	-	An instruction to adjust the image position has been added.
	ID/MUSIC Sensors (TM/P Sensors) > Adjustment after replacing the ID/MUSIC Sensors	This item has been added.
Registration Unit	-	An instruction to adjust the image position has been added.
	Rotary Gate Motor	A note has been added.
	CIS1/CIS2	The procedure has been corrected.
Fuser Unit	Fuser Cleaning Unit > Cleaning Web	Notes have been added.
Paper Cooling Unit	Paper Cooling Belt (Upper)	This item has been modified.

Section	Item	Note
Main Boards/HDD Unit	Controller Board	Information about the controller cover has been added.
	Data Transfer Unit	Information about the controller cover has been added.
	NVRAM Replacement Procedure > NVRAM on the Controller Board	The procedure has been corrected.
	NVRAM Replacement Procedure > NVRAM (EEPROM) on the BCU	The procedure has been corrected.
Fans/Filters	Registration Exhaust Fan	Information about the controller cover has been added.
	PSU Filter (Imaging Section)	The title and the procedure have been modified.
	PSU Filter (Fusing Section)	This item has been added.
	VOC Filters	This item has been added.
Image Adjustment	-	This item has been added.

System Maintenance Reference

Section	Item	Note
Firmware Update	Procedure	Information about the controller cover has been added.
Updating the EXJS	To Update EXJS	Information about the controller cover has been added.
NVRAM Data Upload/Download	Uploading Content of NVRAM to an SD card	Information about the controller cover has been added.
	Downloading an SD Card to NVRAM	Information about the controller cover has been added.

Section	Item	Note
Address Book Export/ Import	Export	Information about the controller cover has been added.
	Import	Information about the controller cover has been added.
Capturing the Debug Logs	Retrieving the Debug Logs	The procedure has been corrected.
Capturing the Engine Debug Log	Procedures for Capturing the Engine Debug Log via the Service Slot Board	Information about the controller cover has been added.

Troubleshooting

Section	Item	Note
SC300 (Engine: Imaging 1/2: Charge/Development/Around the Drum)	SC300-01 to SC398-55	Explanation for SC381 has been modified.
SC400 (Engine: Imaging 3: Transfer, Separation, Cleaning and Others)	SC440-01 to SC499-40	Explanations for SC450-01, SC450-11, and SC459 have been corrected. Explanation for SC450-02 has been corrected.
SC500 (Engine: Paper Transport, Fusing)	SC501-02 to SC598-00	Explanations for SC530-74 and SC530-78 have been corrected. Additional Information about SC518-01 and SC518-02 has been added.
SC600 (Engine: Communication and Others)	SC621 to SC625, SC669, SC682 to SC694	Explanation for SC685-65 has been deleted.
SC900 (Controller)	SC900 to SC919, SC992, SC994, SC998	Explanation for SC992-00 has been added.
Adjustment	Adjustment 003: Image Position Adjustment when Using the Template	This item has been added.

Section	Item	Note
Correspondence Table for Adjustment Settings	Menu Items in IMSS Settings	The title and contents have been revised. The title has been changed from "Correspondence Table for IMSS Settings and SP Mode".
Image Quality	Image Quality 001: Spots > Small granular toner fixation	The flow charts have been modified.
	Image Quality 002: Streaks > Vertical black or colored streaks, dim white streaks	This item has been revised.
	Image Quality 002: Streaks > Vertical white streaks at the sides of paper when feeding large width paper after small width paper	This item has been added.
	Image Quality 002: Streaks > Horizontal white streaks in the area 21 mm from trailing edge	This item has been added.
	Image Quality 002: Streaks > Horizontal streaks on the first side of a long sheet of thick paper	This item has been added.
	Image Quality 002: Streaks > Image scratches at the trailing edge	This item has been added.
	Image Quality 002: Streaks > Flaws on the image	This item has been added.

Section	Item	Note
Image Quality	Image Quality 004: Unevenness > Density difference when printing high coverage images continuously	This item has been added.
	Image Quality 004: Unevenness > Wrinkles, worm tracks, creasing	This item has been added.
	Image Quality 005: Stains > Paper edges are dirty	This item has been modified.
	Image Quality 005: Stains > Vertical black or colored streaks, dim white streaks	Cleaning procedure has been added and other explanations have been modified.
	Image Quality 005: Stains > Foreign objects on the printed paper	Cause and Conditions have been modified.
	Image Quality 005: Stains > Abnormal image (high/low density, toner dust, horizontal line) in the area 20mm from trailing edge	This item has been added.
	Image Quality 006: Irregularity	This item has been added.
Paper Transport	Paper Transport 001: Plain Paper	This item has been added.
Problems Related to Peripheral Devices	Peripherals 005: Vacuum Feed LCIT RT5100 > Vertical Black Streaks	This item has been added.
Other Problems	Other 002: SC > Troubleshooting for J086	This item has been added.

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.

Responsibilities of the Customer Engineer

Customer Engineer

Maintenance shall be done only by trained customer engineers who have completed service training for the machine and all optional devices designed for use with the machine.

Reference Material for Maintenance

- Maintenance shall be done using the special tools and procedures prescribed for maintenance of the machine described in the reference materials (service manuals, technical bulletins, operating instructions, and safety guidelines for customer engineers).
- Use only consumable supplies and replacement parts designed for use with the machine.

Before Installation, Maintenance

Shipping and Moving the Machine

CAUTION

- Work carefully when lifting or moving the machine. If the machine is heavy, two or more customer engineers may be required to prevent injuries (muscle strains, spinal injuries, etc.) or damage to the machine if it is dropped or tipped over.
- Personnel moving or working around the machine should always wear proper clothing and footwear. Never wear loose fitting clothing or accessories (neckties, loose sweaters, bracelets, etc.) or casual footwear (slippers, sandals, etc.) when lifting or moving the machine.
- Always unplug the power cord from the power source before you move the machine. Before you move the product, arrange the power cord so it will not fall under the machine.

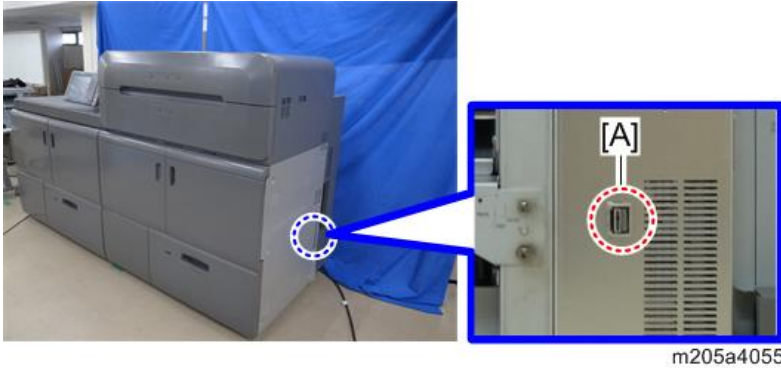
Power

WARNING

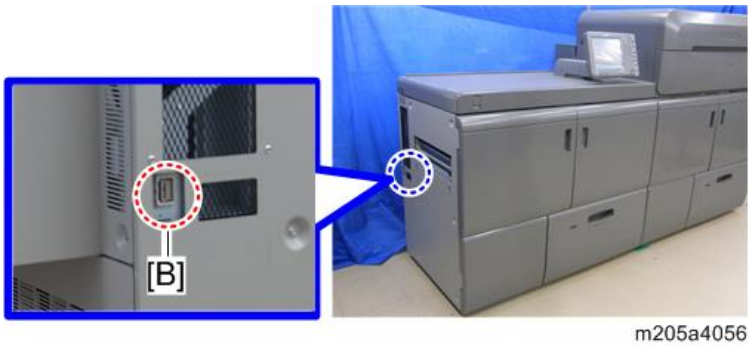
- Always disconnect the power plug before doing any maintenance procedure. When the machine has more than one power supply cord or power switch, confirm that power supply to the dangerous site is all cut off before servicing or maintenance. After switching off the machine, power is still supplied to the main machine and other devices. To prevent electrical shock, switch the machine off, wait for a few seconds, then unplug the machine from the power source.
- Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, never touch electrical components or moving parts (gears, timing belts, etc.).
- After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.
- This product is designed for an IT power distribution system.

CAUTION

- Rating voltage of output connectors [A] and [B] for peripherals: Max.DC 24V
 - At right side of imaging section



- At left side of fusing section



Installation, Disassembly, and Adjustments

⚠ CAUTION

- After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., removed for installation, have been removed and that no tools remain inside the machine. This also ensures that all release interlock switches have been restored to normal operation.
- Never use your fingers to check moving parts causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tools

⚠ CAUTION

- Use only standard tools approved for machine maintenance.
- For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

CAUTION

- Before you begin a maintenance procedure: 1) Switch the machine off, 2) Disconnect the power plug from the power source, 3) Allow the machine to cool for at least 10 minutes.
- Avoid touching the components inside the machine that are labeled as hot surfaces.

Safety Devices

WARNING

- Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
- Never do any procedure that defeats the function of any safety device. 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.
- 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.

Organic Cleaners

CAUTION

- During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual.
- Make sure the room is well ventilated before using any organic cleaner. Use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
- Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
- Wash your hands thoroughly after cleaning parts with an organic cleaner to prevent contamination of food, drinks, etc. which could cause illness.
- Clean the floor completely after accidental spillage to prevent slippery surfaces that could cause accidents leading to hand or leg injuries. Use dry rags to soak up spills.

Lithium Batteries

WARNING

- Always replace a lithium battery on a PCB with the same type of battery prescribed for use on that board. Replacing a lithium battery with any type other than the one prescribed for use on the board could lead to an explosion or damage to the PCB.
- Never discard used batteries by mixing them with other trash. Remove them from the work site and dispose of them in accordance with local laws and regulations regarding the disposal of such items.

Ozone Filters

CAUTION

- Always replace ozone filters as soon as their service life expires (as described in the service manual).
- An excessive amount of ozone can build up around machines that use ozone filters if they are not replaced at the prescribed time. Excessive ozone could cause personnel working around the machine to feel unwell.
- To avoid possible accumulation of ozone in the work area, locate the machine in a large well ventilated room that has an air turnover rate of more than 50 m³/hr/person.

Power Plug and Power Cord

WARNING

- Before servicing the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
- Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat which could cause a fire.
- Inspect the length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
- Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and could cause a fire.
- Make sure that the area around the power source is free of obstacles so the power cord can be removed quickly in case of an emergency.

-
- Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
 - Connect the power cord directly into the power source. Never use an extension cord.
 - When you disconnect the power plug from the power source, always pull on the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

WARNING

- Never incinerate used toner or toner cartridges.
- Toner or toner cartridges thrown into a fire can ignite or explode and cause serious injury. At the work site always carefully wrap used toner and toner cartridges with plastic bags to avoid spillage before disposal or removal.

CAUTION

- Always dispose of used items (developer, toner, toner cartridges, OPC drums, etc.) in accordance with the local laws and regulations regarding the disposal of such items.
- To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.
- Return used drums to the service center for handling in accordance with company policy regarding the recycling or disposal of such items.

CAUTION

- 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.
- The coolant tank is located at the bottom of the cooling box on the back of the main machine.
- Always obey local laws and regulations if you need to dispose of a tank or the propylene glycol coolant.
- The tank must never be emptied directly into a local drainage system, river, pond, or lake.
- Contact a professional industrial waste disposal organization and ask them to dispose of the tank.

Points to Confirm with Operators

At the end of installation or a service call, instruct the user about use of the machine. Emphasize the following points.

-
- Show operators how to remove jammed paper and troubleshoot other minor problems by following the procedures described in the operating instructions.
 - Point out the parts inside the machine that they should never touch or attempt to remove.
 - Confirm that operators know how to store and dispose of consumables.
 - Make sure that all operators have access to an operating instruction manual for the machine.
 - Confirm that operators have read and understand all the safety instructions described in the operating instructions.
 - Demonstrate how to turn off the power and disconnect the power plug (by pulling the plug, not the cord) if any of the following events occur: 1) something has spilled into the product, 2) service or repair of the product is necessary, 3) the product cover has been damaged.
 - Caution operators about removing paper fasteners around the machine. They should never allow paper clips, staples, or any other small metallic objects to fall into the machine.

Special Safety Instructions for Toner

Accidental Physical Exposure

CAUTION

- 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.

Handling and Storing Toner

WARNING

- Toner, used toner, and developer are extremely flammable.
- Never store toner, developer, toner cartridges, or toner bottles (including empty toner bottles or cartridges) in a location where they will be exposed to high temperature or an open flame.

CAUTION

- Always store toner and developer supplies such as toner and developer packages, cartridges, and bottles (including used toner and empty bottles and cartridges) 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.

Toner Disposal

WARNING

- Never attempt to incinerate toner, used toner, or empty toner containers (bottles or cartridges). Burning toner can explode and scatter, causing serious burns.
- Always wrap used toner and empty toner bottles and cartridges in plastic bags to avoid spillage. Follow the local laws and regulations regarding the disposal of such items.
- Dispose of used toner and toner cartridges at one of our dealers or at an authorized collection site. Always dispose of used toner cartridges and toner bottles in accordance with the local laws and regulations regarding the disposal of such items.

Safety Instructions for the Machine

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. 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.
5. If the [Start] key is pressed before the machine completes the warm-up period (the [Start] key starts blinking red and green), keep hands away from the mechanical and the electrical components, because the machine starts printing as soon as the warm-up period is completed.
6. 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.

WARNING

- To avoid the danger of fire or explosion, keep the machine away from flammable liquids, gases, and aerosols.

Health Safety Conditions

1. Never operate the machine without the ozone filters installed.
2. Always replace the ozone filters with the specified types at the proper intervals.
3. To avoid possible accumulation of ozone in the work area, locate the machine in a large well ventilated room that has an air turnover rate of more than 30m³/hr/person.
4. 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.
2. The NVRAM on the system control board has a lithium battery which can explode if replaced incorrectly. Replace the NVRAM only with an identical one. The manufacturer recommends replacing the entire NVRAM. Do not recharge or burn this battery. Used NVRAM must be handled in accordance with local regulations.

Safety and Ecological Notes for Disposal

1. Never incinerate toner bottles or used toner. Toner dust may ignite suddenly when exposed to an open flame.
2. Dispose of used toner, developer, and organic photoconductors 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.

CAUTION

- 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.

Laser Safety



m205a1396



m205a1397

1. The Center for Devices and Radiological Health (CDRH) prohibits the repair of laser-based optical units in the field.
2. The optical housing unit can only be repaired in a factory or at a location with the requisite equipment.
3. The laser subsystem is replaceable in the field by a qualified Customer Engineer.
4. The laser chassis is not repairable in the field.
5. 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.
- Turn off the main switch before attempting any of the procedures in the Laser Unit section. Laser beams can seriously damage your eyes.

Safety Instructions for the Color Controller

Fuse

⚠ CAUTION












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

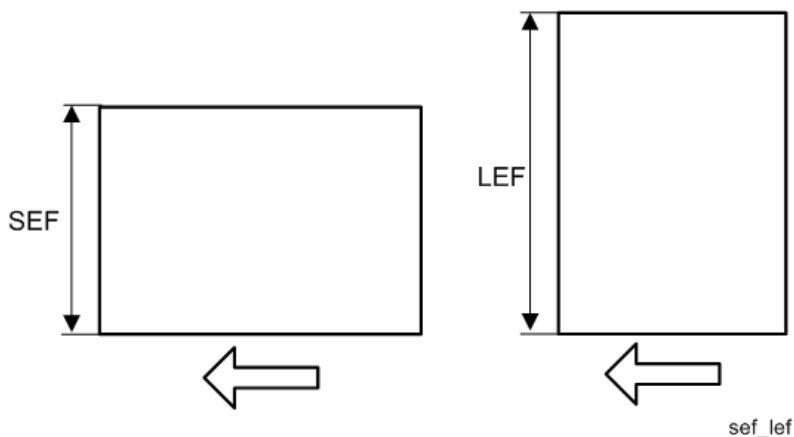
Batteries

- 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.
- Never discard used batteries by mixing them with other batteries or other refuse.
- 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 and Trademarks

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

	Screw
	Shoulder screw
	Black screw (TCRU)
	Connector
	FFC (Flat Film Connector)
	Harness clamp
	Clip
	E-ring
	C-ring
	Timing belt
	Spring
SEF	Short Edge Feed
LEF	Long Edge Feed



SEF: Short Edge Feed

LEF: Long Edge Feed

Trademarks

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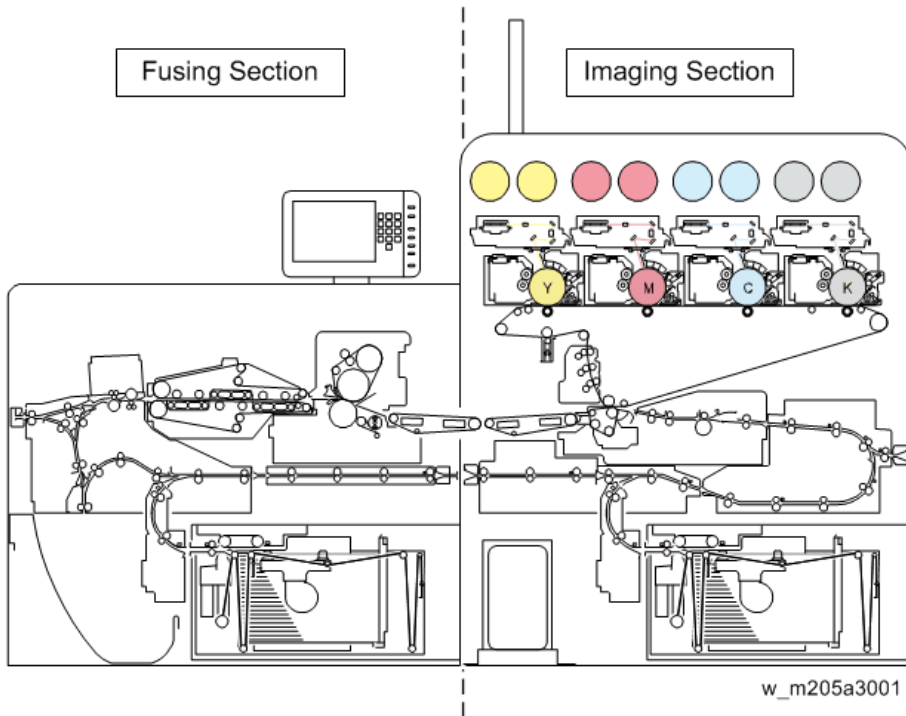
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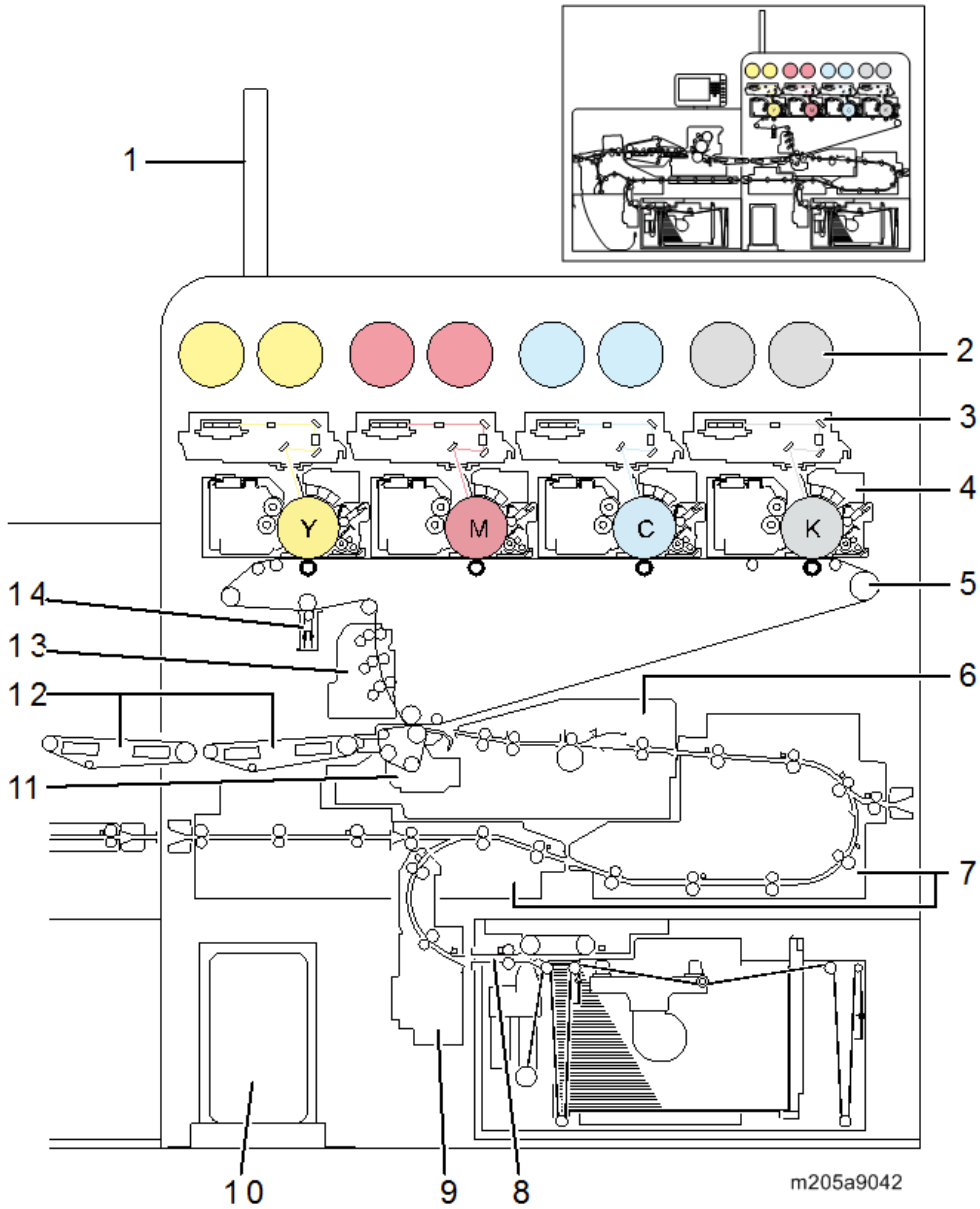
1. Product Information

Product Overview

Component Layout



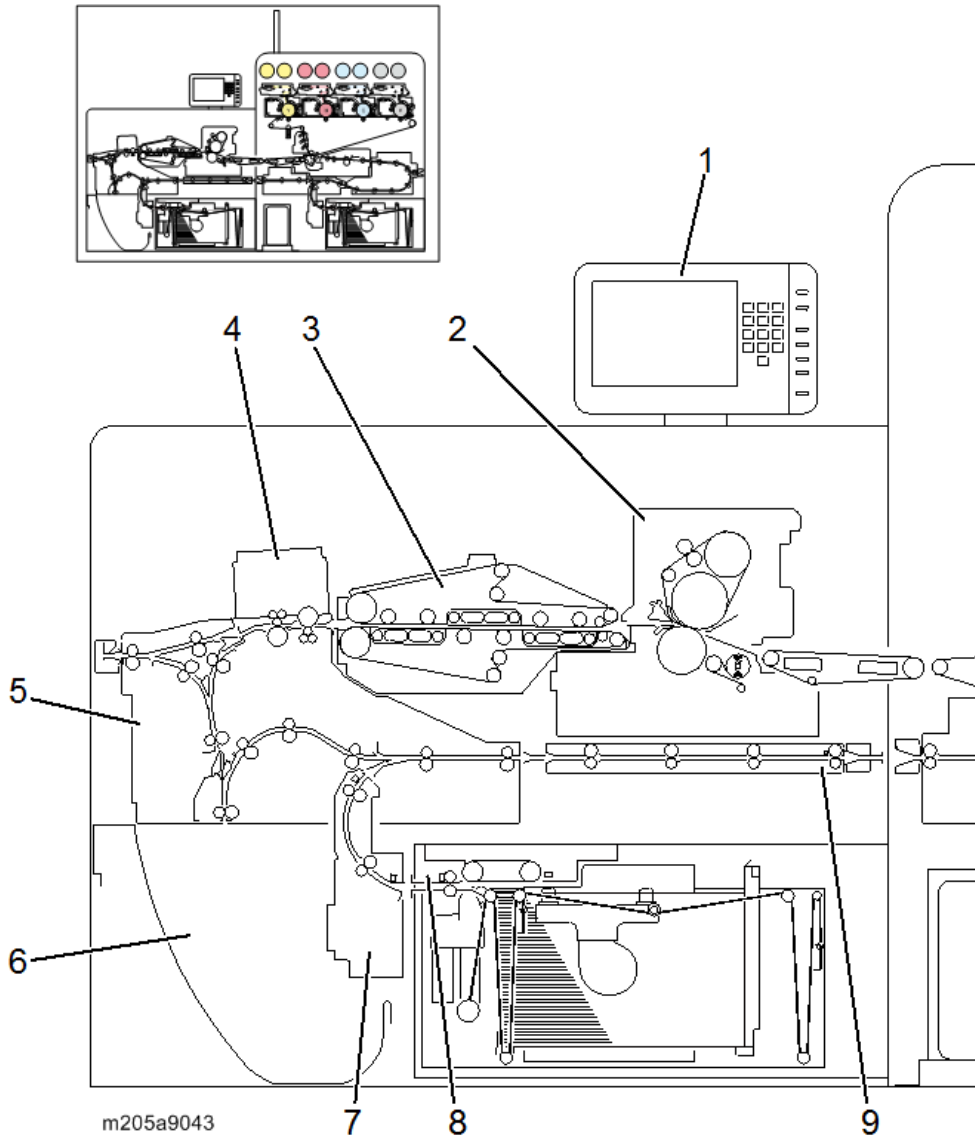
Imaging Section



No.	Name	No.	Name
1	Operator Call Light	8	Paper Feed Unit (Tray 1)
2	Toner Supply Unit	9	Vertical Transport Unit (Tray 1)

No.	Name	No.	Name
3	Laser Unit	10	Waste Toner Collection System (Waste Toner Bottle)
4	PCDU	11	Paper Transfer Unit (PTR)/Paper Transfer Cleaning Unit
5	Intermediate Transfer Belt Unit (ITB)	12	Paper Transport Belt (PTB) Unit
6	Registration Unit (Drawer Unit)	13	ITB Cleaning Unit
7	Paper Path Unit	14	ITB Lubrication Unit

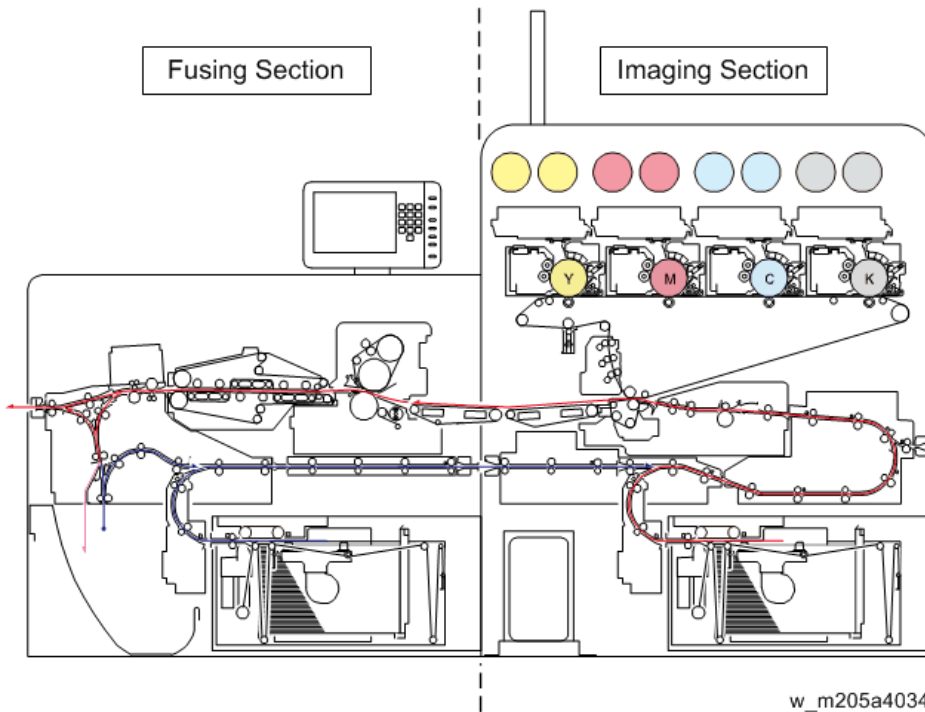
Fusing Section



No.	Name	No.	Name
1	Operation Panel	6	Duplex Inverter Path/Purge Area
2	Fuser Unit	7	Vertical Transport Unit (Tray 2)
3	Paper Cooling Unit	8	Paper Feed Unit (Tray 2)
4	De-curl Unit	9	Duplex Path

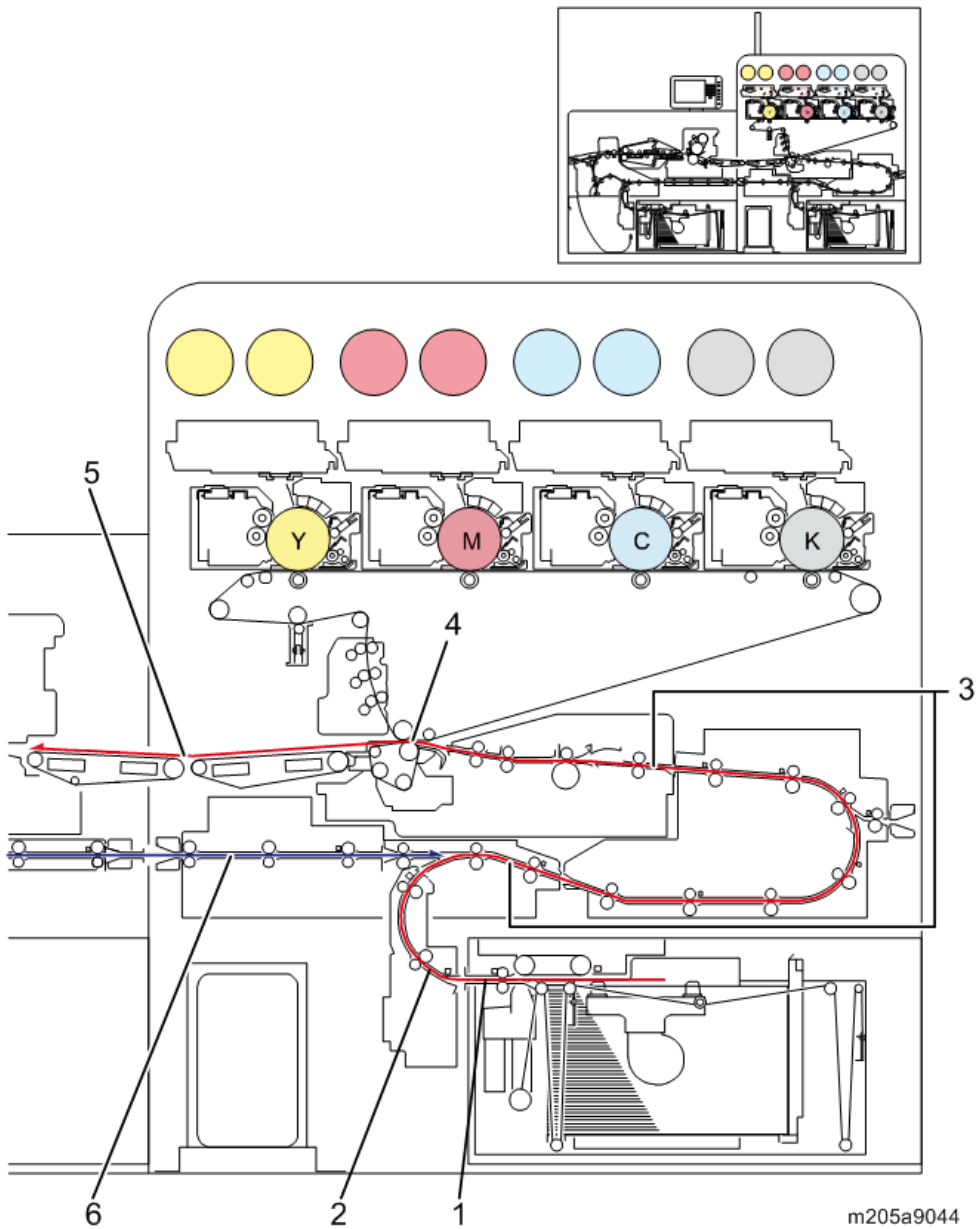
No.	Name	No.	Name
5	Inverter Exit Path	-	

Paper Paths



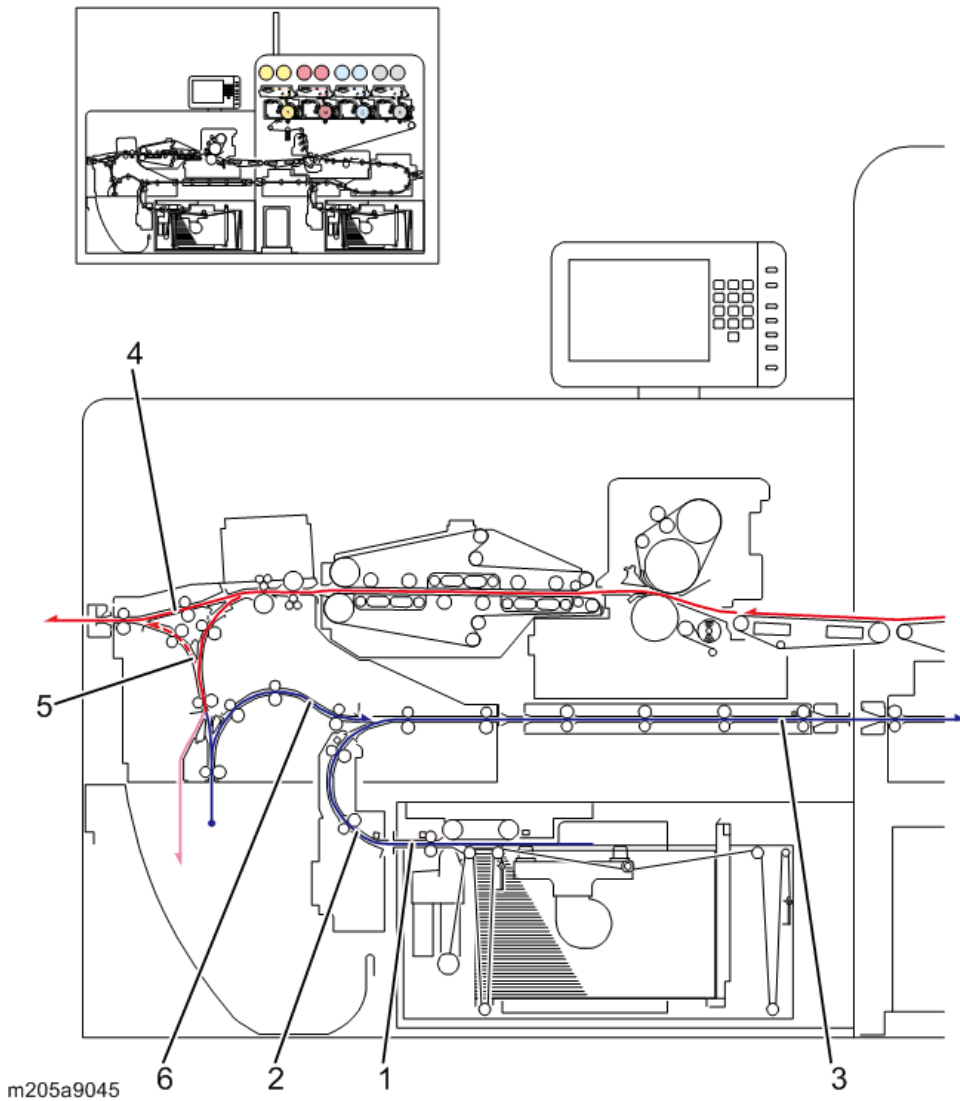
Imaging Section

1



No.	Name	No.	Name
1	Paper Feed Path (Tray 1)	4	Paper Transfer Path
2	Vertical Transport Path	5	Paper Transport Path
3	Paper Path (Tray 1)	6	Paper Path (Tray 2)

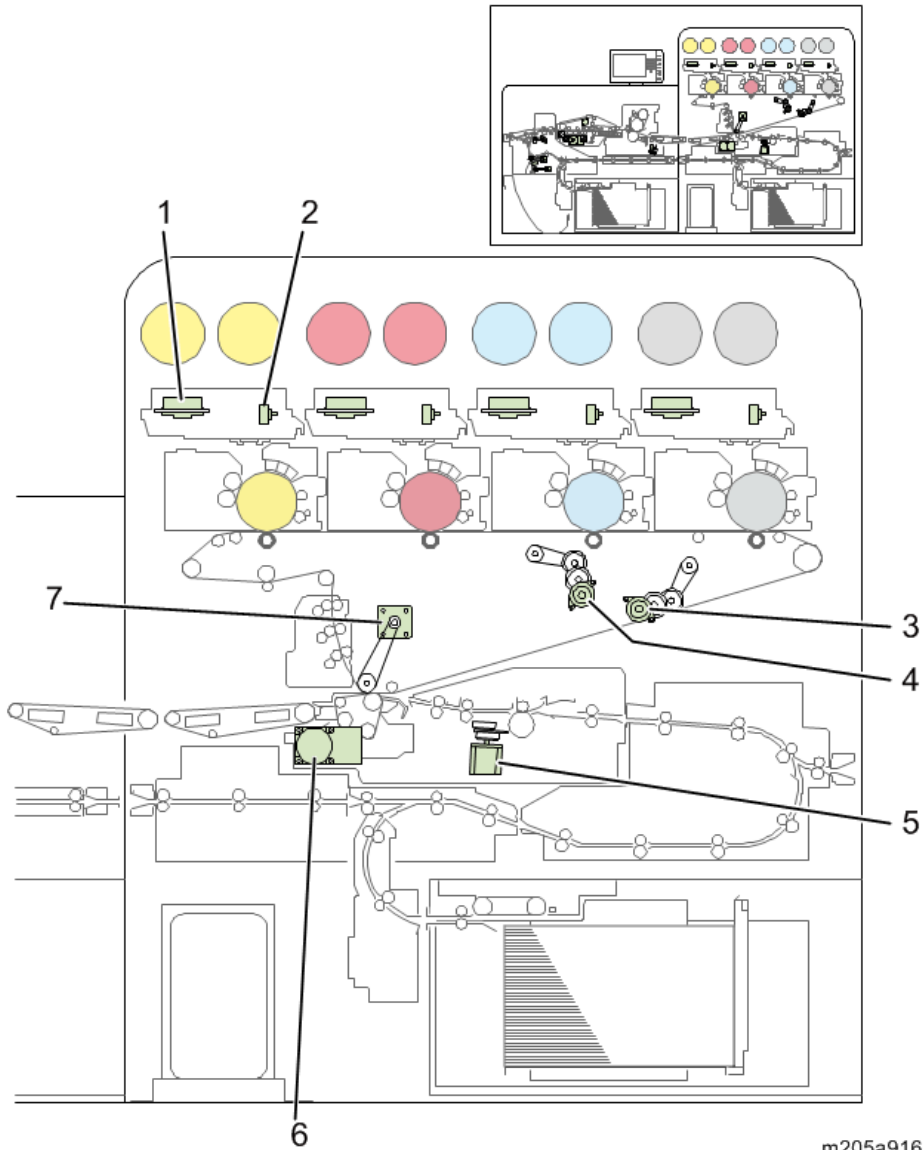
Fusing Section



No.	Name	No.	Name
1	Paper Feed Path (Tray 2)	4	Straight-Through Transport
2	Vertical Transport Path	5	Invert/Exit Transport
3	Paper Path (Tray 2)	6	Duplex Transport

Drive Layout

Imaging Section (Front Side)

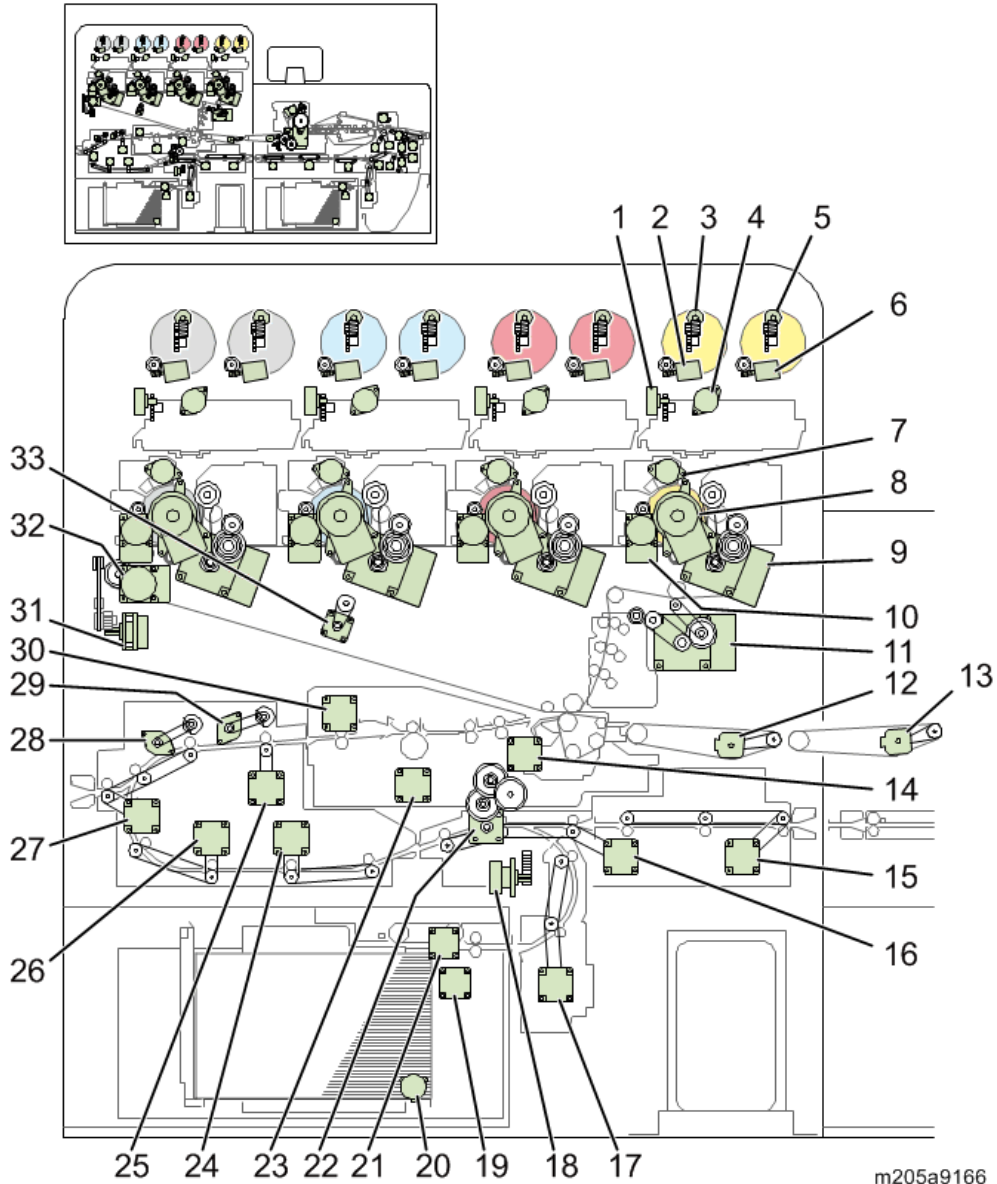


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No.	Name	No.	Name
1	Polygon Motor	5	Shift Roller Motor
2	Skew Motor	6	PTR Motor

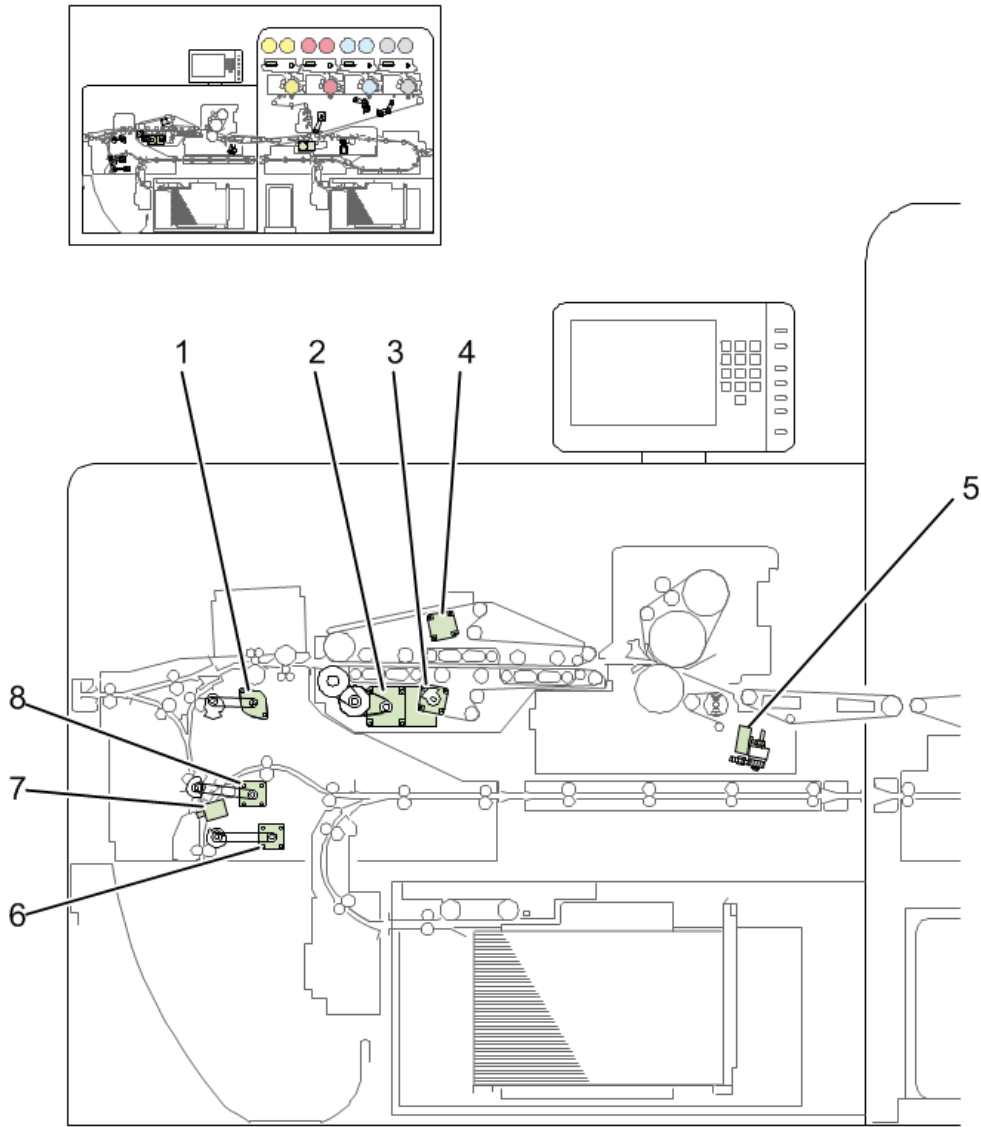
No.	Name	No.	Name
3	ITB Black Lift Motor	7	PTR Lift Motor
4	ITB Color Lift Motor	-	

Imaging Section (Rear Side)



No.	Name	No.	Name
1	Toner Agitator Motor	18	Waste Toner Transport Motor (Lower)
2	Toner Bottle Motor 2	19	Paper Transport Motor (Tray 1)
3	Toner Bottle Open Motor 2	20	Tray Lift Motor (Tray 1)
4	Toner Supply Motor	21	Paper Feed Motor (Tray 1)
5	Toner Bottle Open Motor 1	22	PTR Pressure Motor
6	Toner Bottle Motor 1	23	Rotary Gate Motor
7	Charger Cleaning Motor	24	Paper Transport Motor 6
8	Drum Motor	25	Registration Entrance Motor 2
9	Development Motor	26	Paper Transport Motor 7
10	Drum Cleaning Motor	27	Registration Entrance Motor 1
11	ITB Cleaning Motor	28	Registration Roller Lift Motor 2
12	1st PTB Motor	29	Registration Roller Lift Motor 1
13	2nd PTB Motor	30	Registration Timing Motor
14	PTR Timing Motor	31	Waste Toner Transport Motor (Upper)
15	Paper Transport Motor 4	32	ITB Motor
16	Paper Transport Motor 5	33	PTR Pressure Motor
17	Vertical Transport Motor (Tray 1)	-	

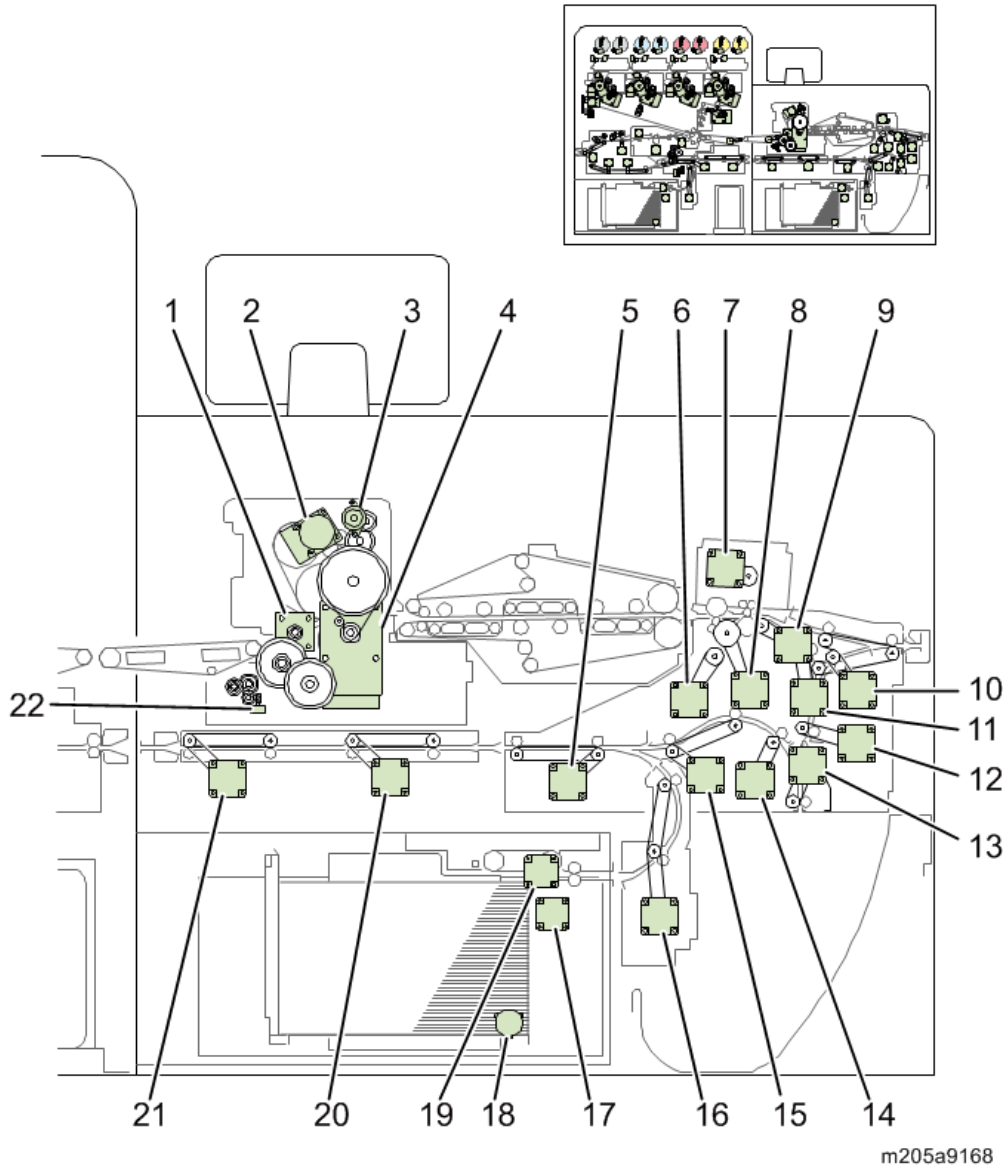
Fusing Section (Front Side)



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No.	Name	No.	Name
1	Exit Junction Gate Motor	5	Fusing Web Motor
2	Paper Cooling Belt Motor	6	Duplex Inverter Roller Contact Motor
3	Belt Centering Roller Motor (Lower)	7	Switchback Junction Gate Solenoid
4	Belt Centering Roller Motor (Upper)	8	Paper Exit Inverter Roller Contact Motor

Fusing Section (Rear Side)



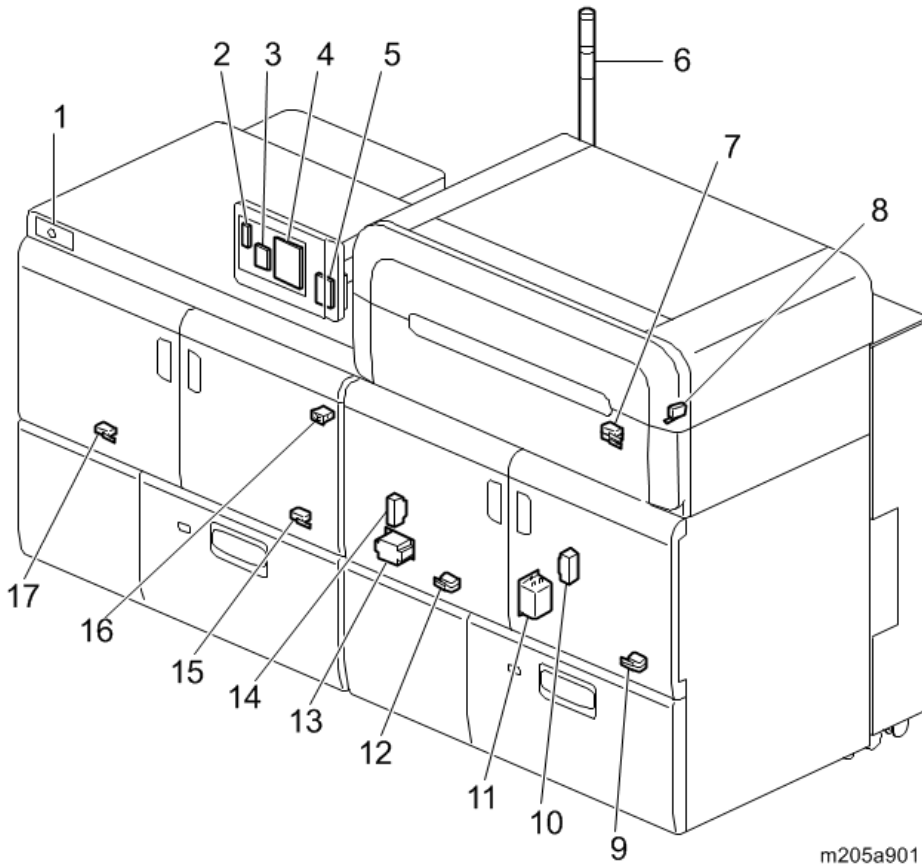
No.	Name	No.	Name
1	Press Roller Lift Motor	12	Paper Exit Inverter Motor
2	Fusing Refresh Roller Motor	13	Duplex Inverter Motor
3	Fusing Refresh Roller Contact Motor	14	Duplex Transport Motor 1
4	Fusing Motor	15	Duplex Transport Motor 2

No.	Name	No.	Name
5	Paper Transport Motor 1	16	Vertical Transport Motor (Tray 2)
6	De-curler Unit Motor 1	17	Paper Transport Motor (Tray 2)
7	De-curler Unit Motor 2	18	Tray Lift Motor (Tray 2)
8	De-curler Transport Motor 2	19	Paper Feed Motor (Tray 2)
9	De-curler Transport Motor 1	20	Paper Transport Motor 3
10	Paper Exit Motor	21	Paper Transport Motor 2
11	Inverter Entrance Motor	22	Cleaning Web Contact Motor

Electrical Components

1

Operation Panel/ Switches

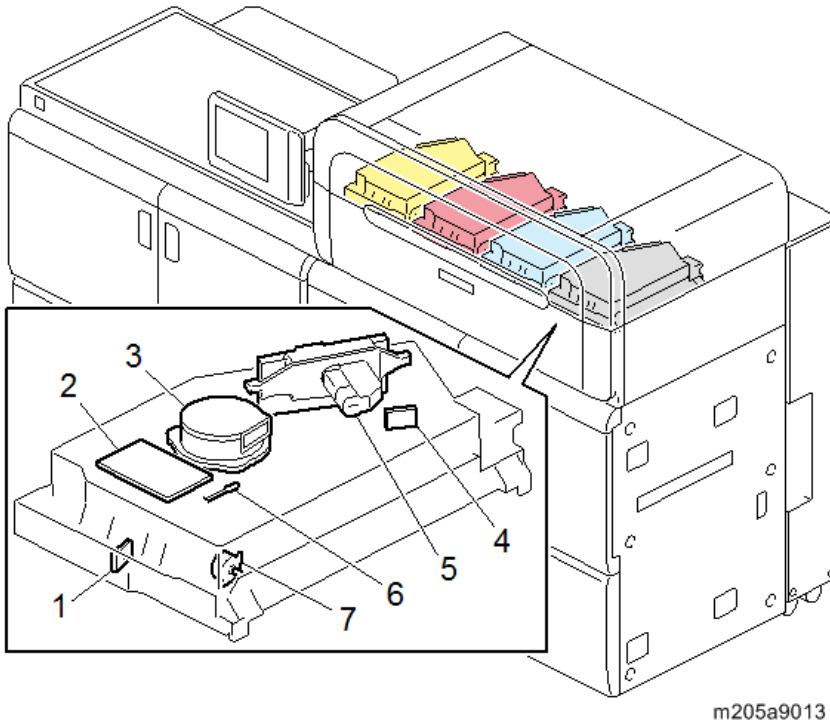


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No.	Name	No.	Name
1	Main Power Switch (Push switch)	10	Breaker (Imaging Section)
2	OPU:TP	11	Noise Filter (Imaging Section)
3	LCDC	12	Interlock Switch: Left Front Door (Imaging Section)
4	OPU:IO	13	Noise Filter (Fusing Section)
5	SD Card/USB	14	Breaker (Fusing Section)

No.	Name	No.	Name
6	Operator Call Light	15	Interlock Switch: Right Front Door (Fusing Section)
7	Interlock Switch: Upper Front Cover	16	AC Power Switch
8	Toner Hopper Cover Open Switch	17	Interlock Switch: Left Front Door (Fusing Section)
9	Interlock Switch: Right Front Door (Imaging Section)	-	

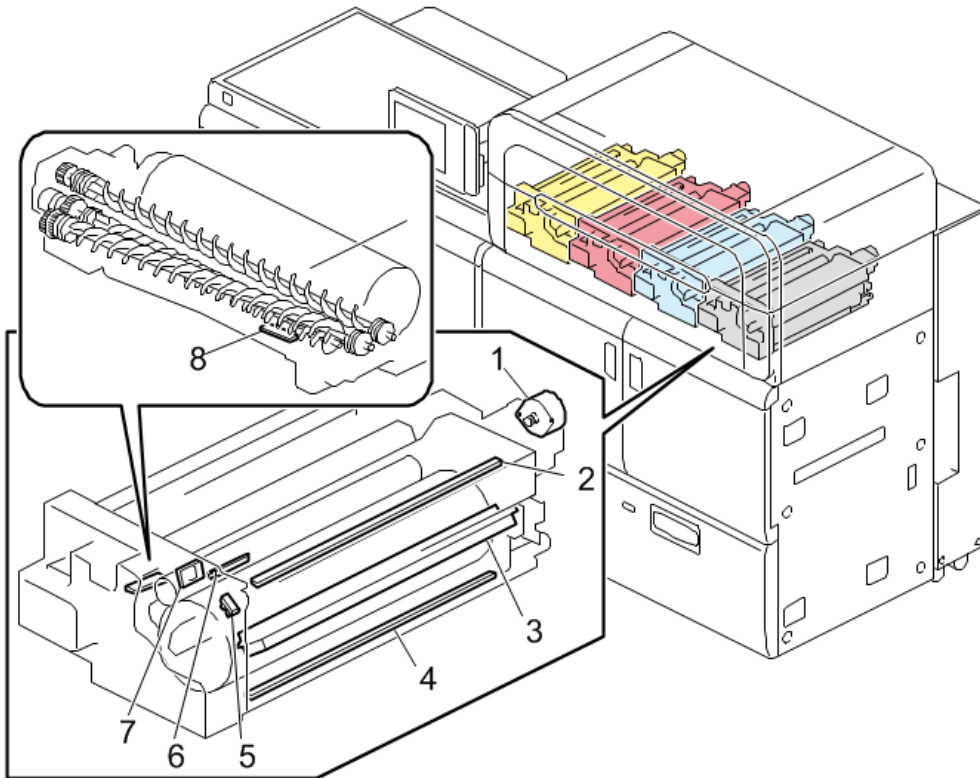
Laser Unit



No.	Name	No.	Name
1	Laser Synchronization Detector (Leading Edge)	5	LD Unit
2	Polygon Motor PCB	6	Thermistor
3	Polygon Motor	7	Skew Motor

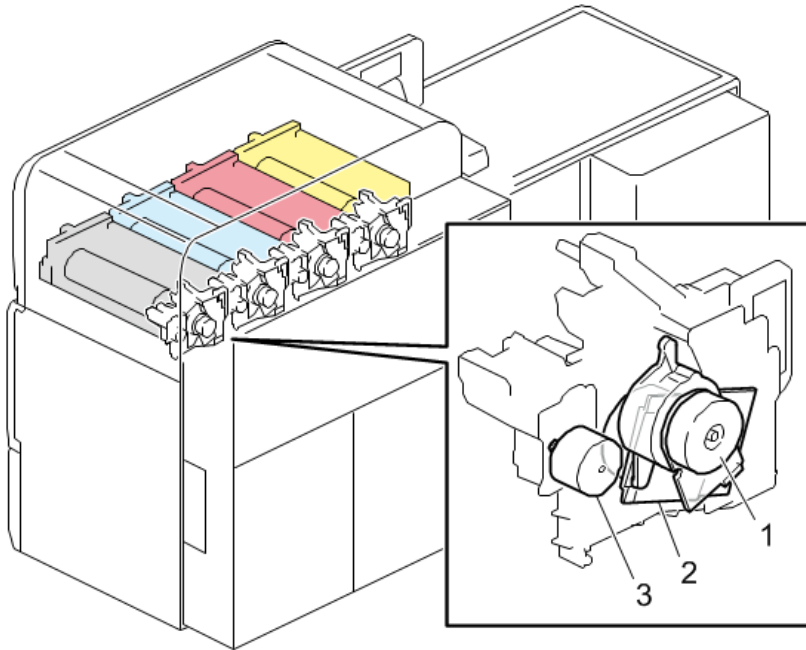
No.	Name	No.	Name
4	Laser Synchronization Detector (Trailing Edge)	-	

Around the Drum



m205a9014

No.	Name	No.	Name
1	Charger Cleaning Motor	5	Cleaning Pad HP Sensor
2	Quenching Lamp 2	6	Potential Sensor
3	Lubricant End Detection Switch	7	Temperature/Humidity Sensor (K/Y only)
4	Quenching Lamp 1	8	Toner Density Sensor (TD Sensor)

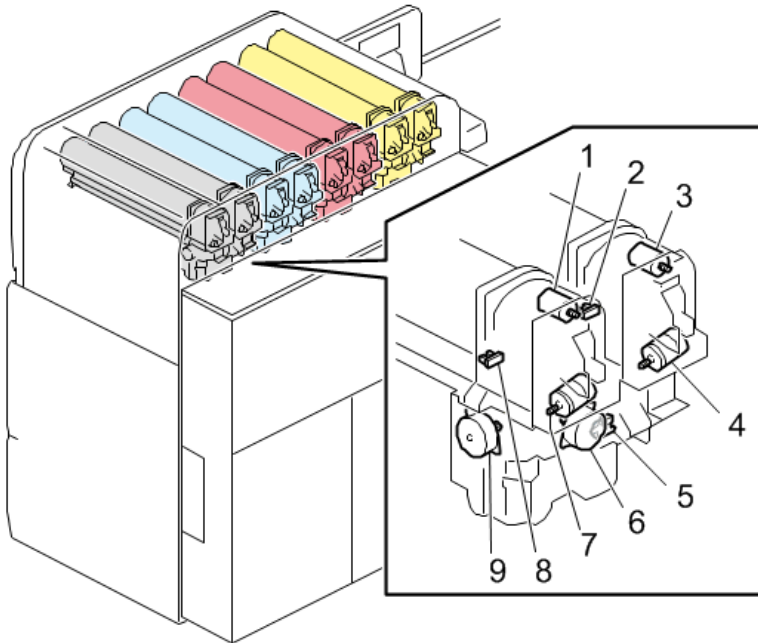


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No.	Name	No.	Name
1	Drum Motor (KCMY)	3	Drum Cleaning Motor (KCMY)
2	Development Motor (KCMY)	-	

Toner Supply Unit

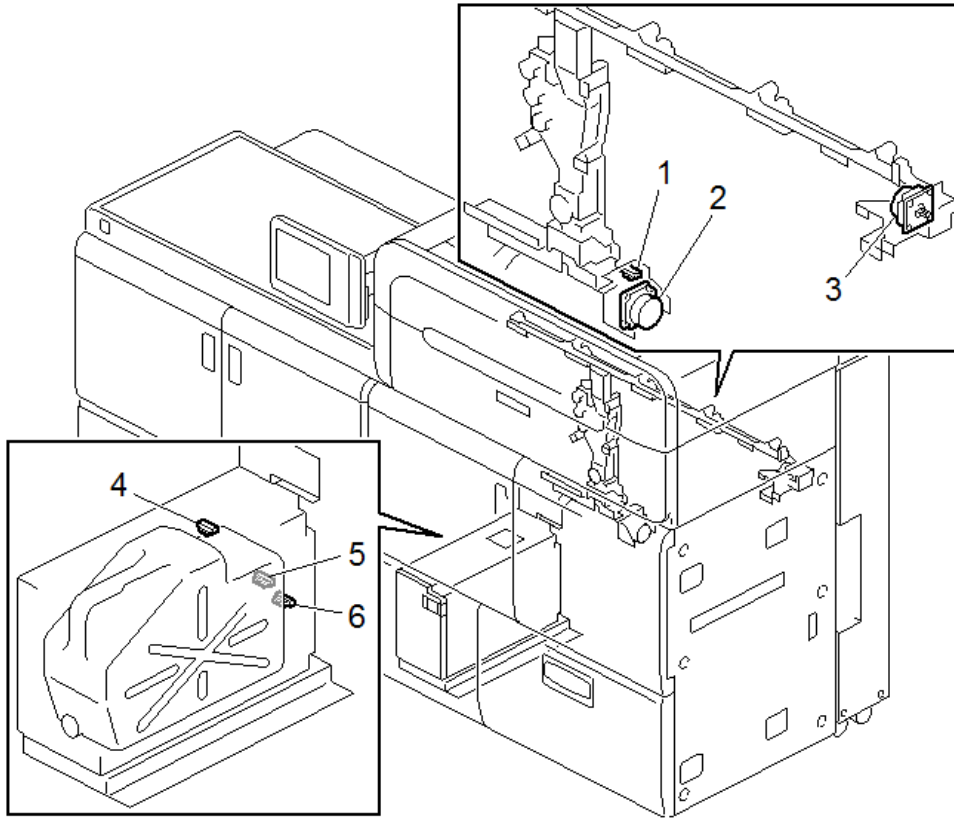
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No.	Name	No.	Name
1	Toner Bottle Open Motor 2	6	Toner Supply Motor
2	Toner Bottle Detect Sensor 1	7	Toner Bottle Motor 2
3	Toner Bottle Open Motor 1	8	Toner Bottle Detect Sensor 2
4	Toner Bottle Motor 1	9	Toner Agitator Motor
5	Toner End Sensor	-	

Waste Toner Collection System

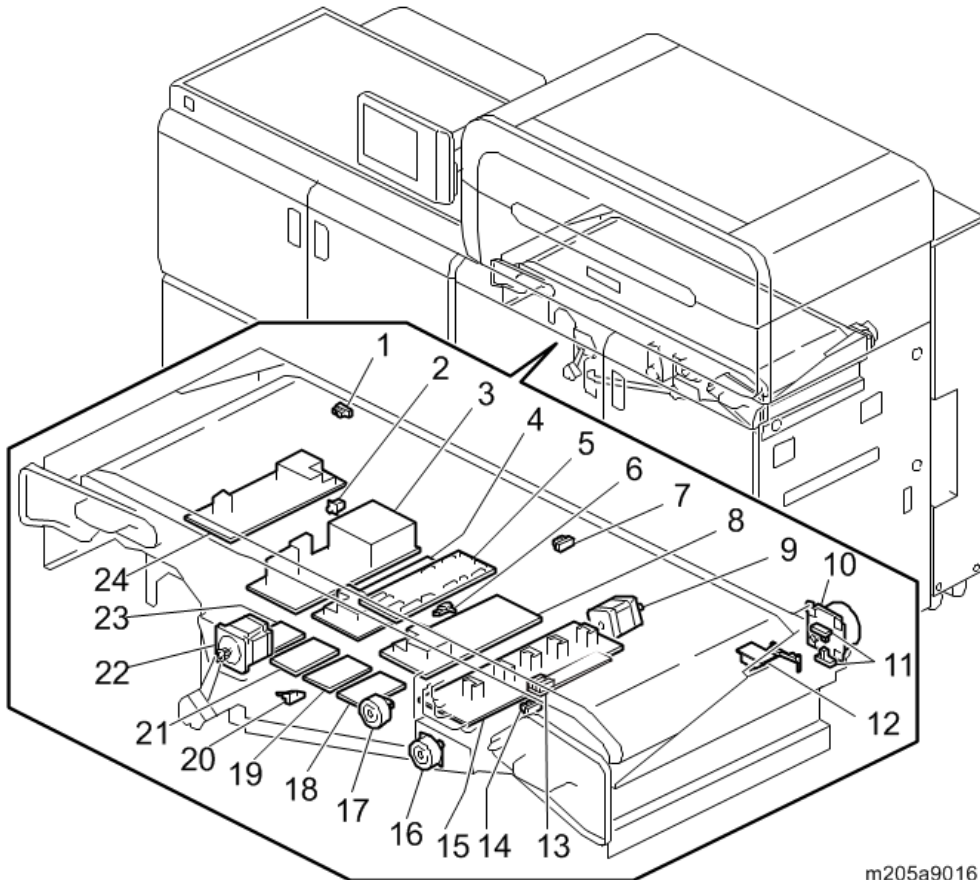


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No.	Name	No.	Name
1	Waste Toner Transport Motor Lock Sensor	4	Waste Toner Bottle Set Sensor
2	Waste Toner Transport Motor (Lower)	5	Waste Toner Bottle Full Sensor
3	Waste Toner Transport Motor (Upper)	6	Waste Toner Bottle Near Full Sensor

Intermediate Transfer Belt Unit (ITB)

1

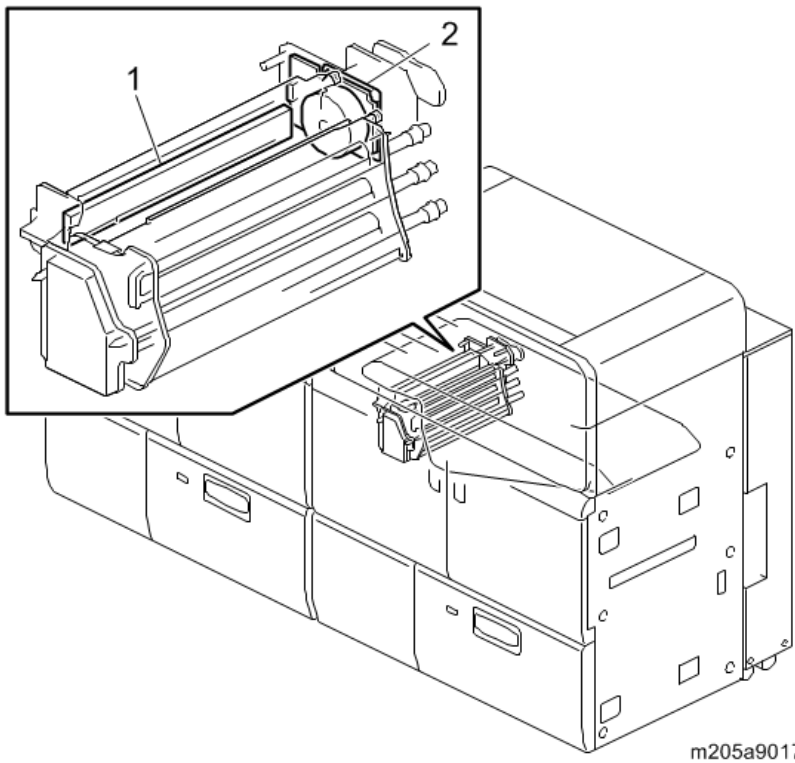


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No.	Name	No.	Name
1	ITB Belt Centering Roller Sensor	13	ITB Belt Speed Sensor
2	ITB Cleaning Unit Set Sensor	14	ITB Black Lift Sensor
3	AC Power Pack	15	Transfer Power Pack
4	ITB Cleaning HVP (-) (K, C)	16	ITB Black Lift Motor
5	TDRB	17	ITB Color Lift Motor
6	ITB Belt Overrun Sensor (Front)	18	ITB Cleaning HVP (-) (K)
7	ITB Color Lift Sensor	19	ITB Cleaning HVP (+) (C)
8	ITB Cleaning HVP (-) (M, Y)	20	ITB Belt Overrun Sensor (Rear)

No.	Name	No.	Name
9	PTR Pressure Motor	21	ITB Cleaning HVP (+) (M)
10	ITB Motor	22	PTR Lift Motor
11	ITB Motor Rotation Sensor	23	ITB Cleaning HVP (+) (Y)
12	ITB Belt Centering Sensor	24	DC Power Pack

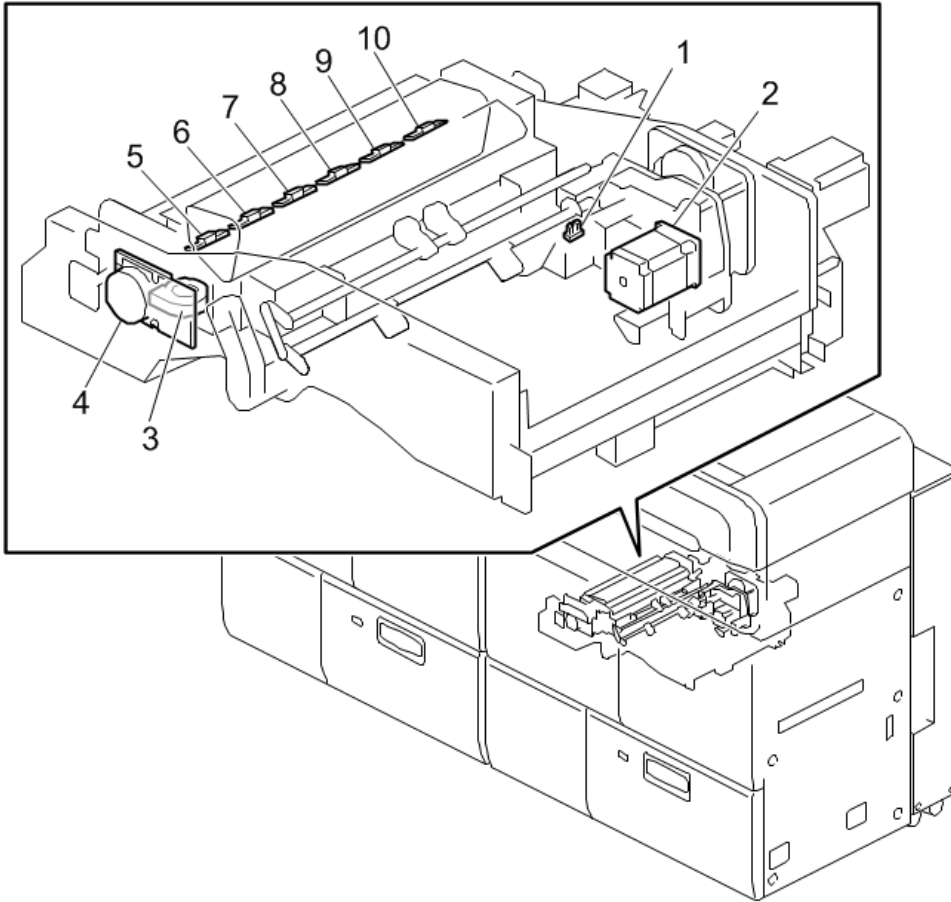
ITB Cleaning Unit



No.	Name	No.	Name
1	ITB Lubrication Unit End Switch	2	ITB Cleaning Motor

Paper Transfer Unit (PTR)

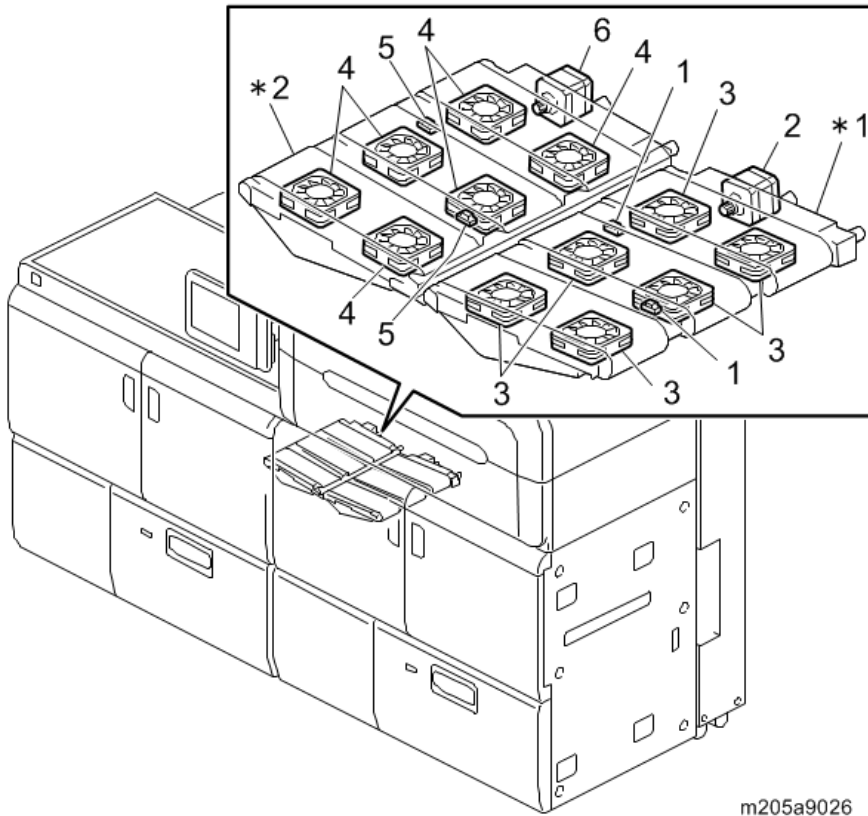
1



m205a9025

No.	Name	No.	Name
1	PTR Position Sensor	6	ID Sensor (K)
2	PTR Pressure Motor	7	ID/MUSIC Sensor (C)
3	ID Sensor Cleaning Fan	8	ID Sensor (M/Center)
4	PTR Motor	9	ID Sensor (Y)
5	MUSIC Sensor (Front)	10	MUSIC Sensor (Rear)

Paper Transport Belt (PTB) Unit



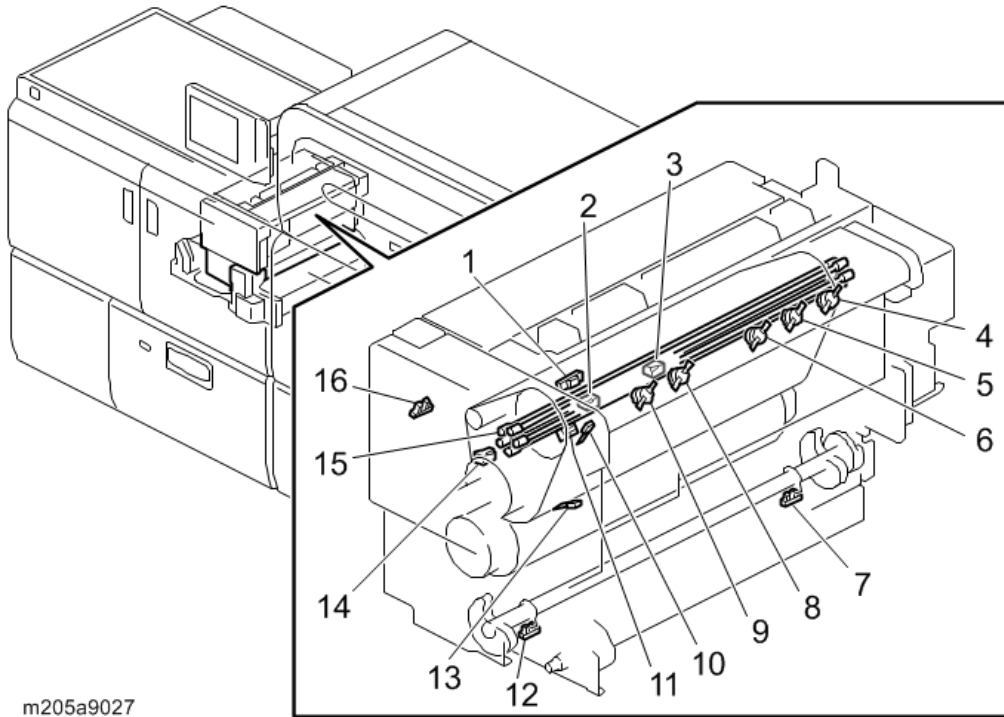
m205a9026

No.	Name	No.	Name
* 1	1st Paper Transport Belt (PTB) Unit	* 2	2nd Paper Transport Belt (PTB) Unit
1	PTB Transport Sensor	4	PTB Fan
2	PTB Motor	5	PTB Transport Sensor
3	PTB Fan	6	PTB Motor

Fuser Unit

Fuser Unit 1

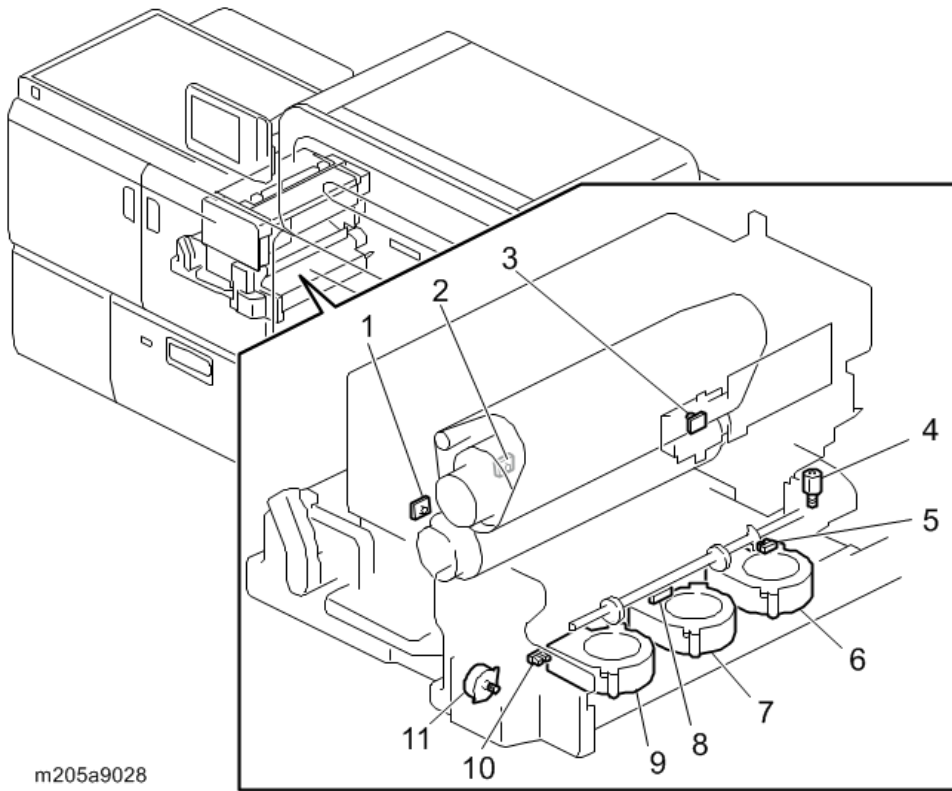
1



m205a9027

No.	Name	No.	Name
1	Fusing Exit Sensor (Back)	9	Heating Roller Thermostat 1
2	Fusing Exit Sensor (Center)	10	Heating Roller Thermistor (Edge)
3	Fusing Exit Sensor (Rear)	11	Accordion Jam Sensor
4	Heating Roller Thermostat 5	12	Pressure Roller Home Position Sensor 1
5	Heating Roller Thermostat 4	13	Fusing Belt Thermistor (Edge)
6	Heating Roller Thermostat 3	14	Fusing Exit Sensor (Front)
7	Pressure Roller Home Position Sensor 2	15	Fusing Lamps
8	Heating Roller Thermostat 2	16	Refresh Roller Contact Sensor

Fuser Unit 2

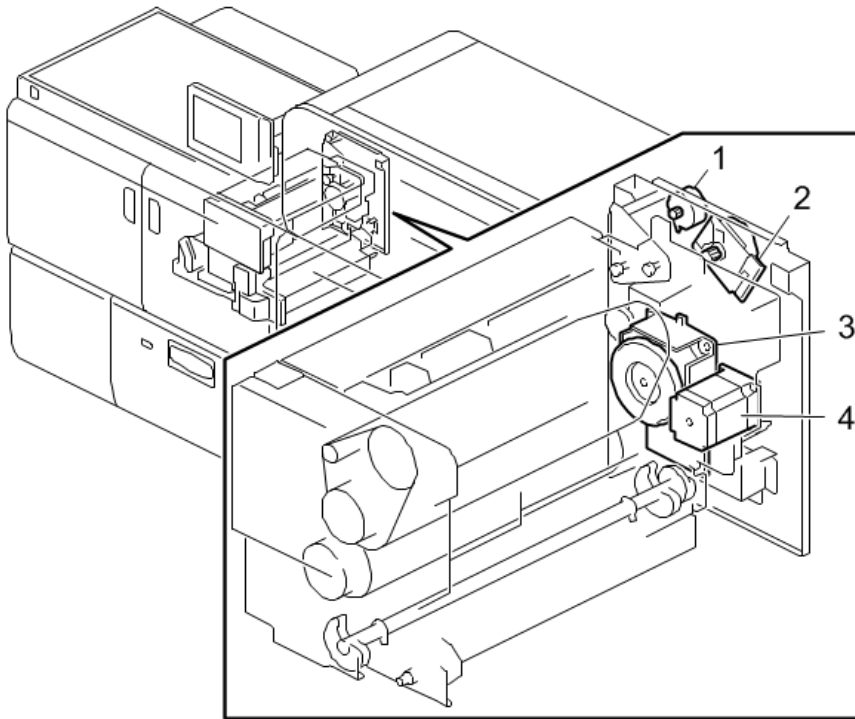


m205a9028

No.	Name	No.	Name
1	Pressure Roller Thermopile (Edge)	7	Pressure Roller Intake Fan 2
2	Pressure Roller Thermopile (Center)	8	Web End Sensor
3	Heating Roller Thermopile	9	Pressure Roller Intake Fan 1
4	Cleaning Web Contact Motor	10	Web End Sensor
5	Cleaning Web Contact Sensor	11	Fusing Web Motor
6	Pressure Roller Intake Fan 3	-	

Fuser Unit 3

1

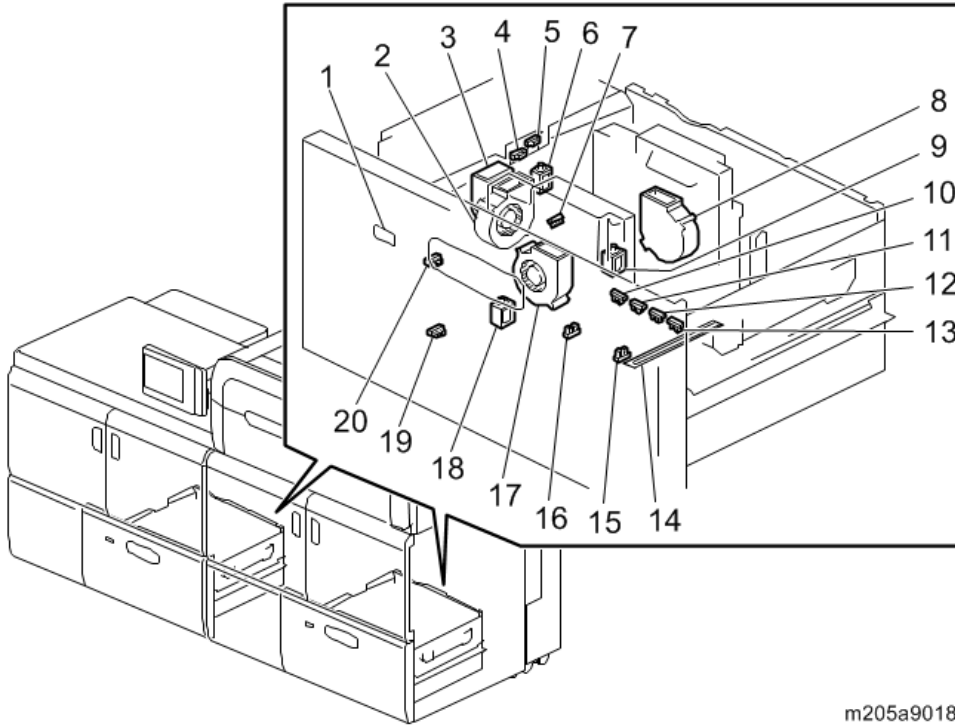


m205a9029

No.	Name	No.	Name
1	Fusing Refresh Roller Contact Motor	3	Fusing Motor
2	Fusing Refresh Roller Motor	4	Press Roller Lift Motor

Paper Feed Unit

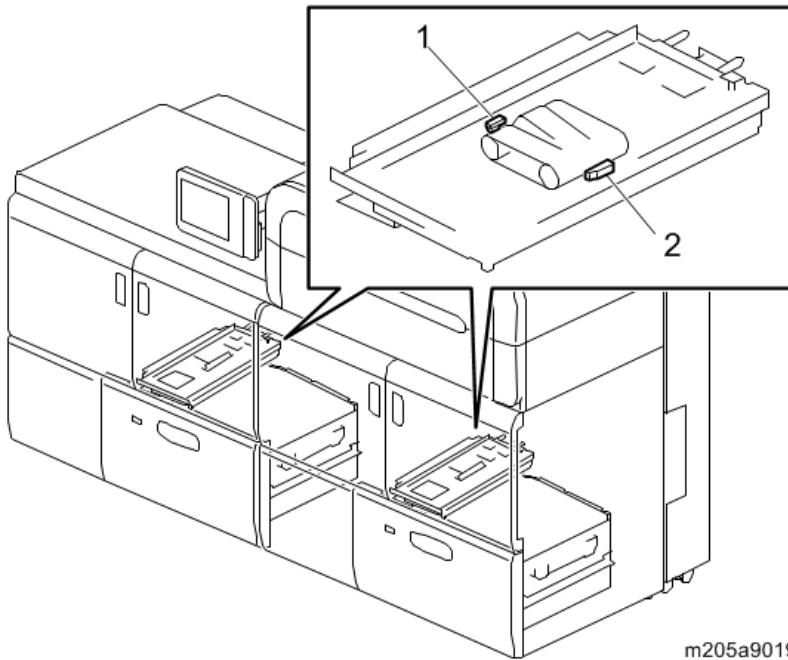
Paper Feed Unit (Paper Tray)



m205a9018

No.	Name	No.	Name
1	LED	11	Paper Size Sensor 2
2	Separation Fan	12	Paper Size Sensor 3
3	Float Fan	13	Paper Size Sensor 4
4	Upper Limit Sensor 2	14	Tray Heater
5	Upper Limit Sensor 1	15	Paper Length Sensor 2
6	Float Solenoid	16	Paper Length Sensor 1
7	Paper Height Sub Sensor	17	Separation Front Fan (Tray 2)
8	Separation Rear Fan	18	Separation Solenoid Front (Tray 2)
9	Separation Solenoid Rear	19	Lower Limit Sensor
10	Paper Size Sensor 1	20	Paper Height Middle Sensor

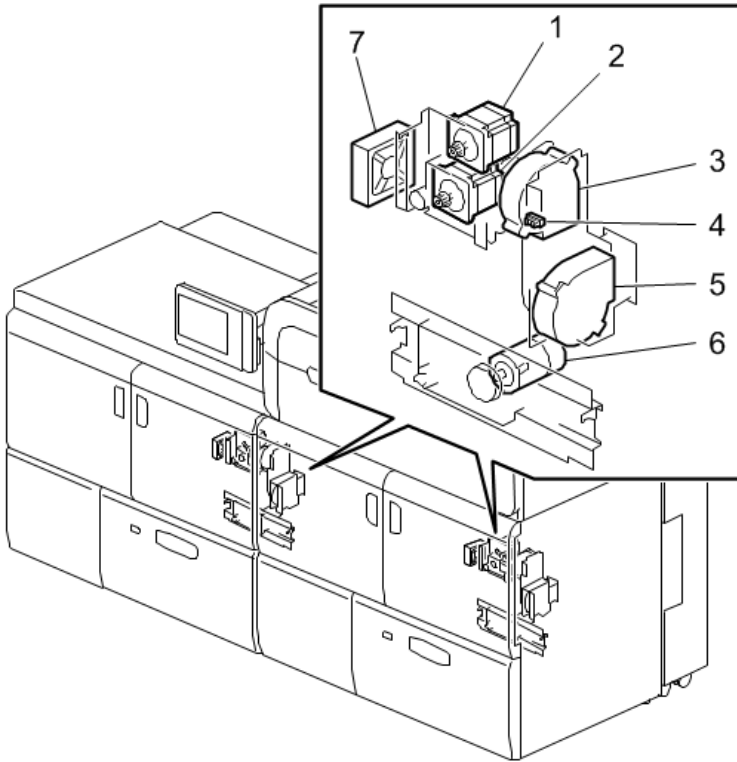
Paper Feed Unit (Paper Transport)



m205a9019

No.	Name	No.	Name
1	Paper Feed Sensor	2	Paper End Sensor

Paper Feed Unit (Paper Feed Drive)

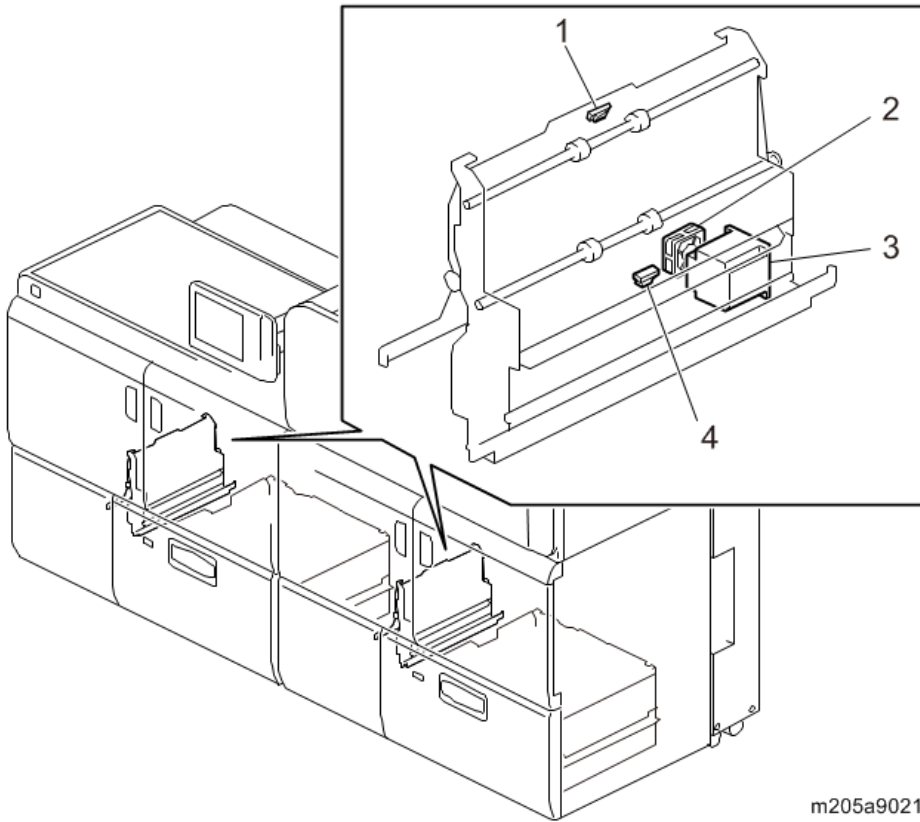


m205a9020

No.	Name	No.	Name
1	Paper Feed Motor	5	Suction Fan 2
2	Paper Transport Motor	6	Vertical Transport Motor
3	Suction Fan 1	7	Paper Transport Motor Fan
4	Over Limit Sensor	-	

Vertical Transport Unit

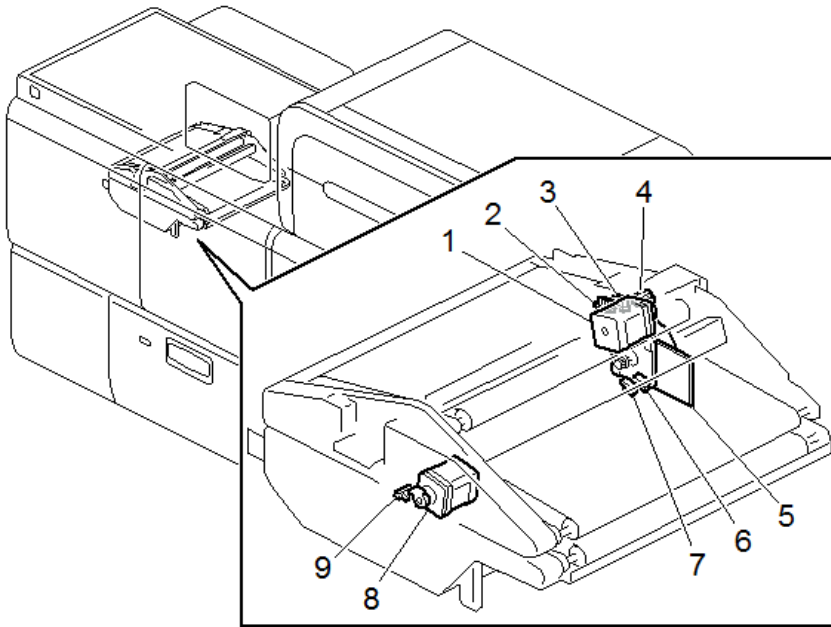
1



m205a9021

No.	Name	No.	Name
1	Vertical Transport Sensor 2	3	Vertical Transport Motor
2	Vertical Transport Motor Fan	4	Vertical Transport Sensor 1

Paper Cooling Unit



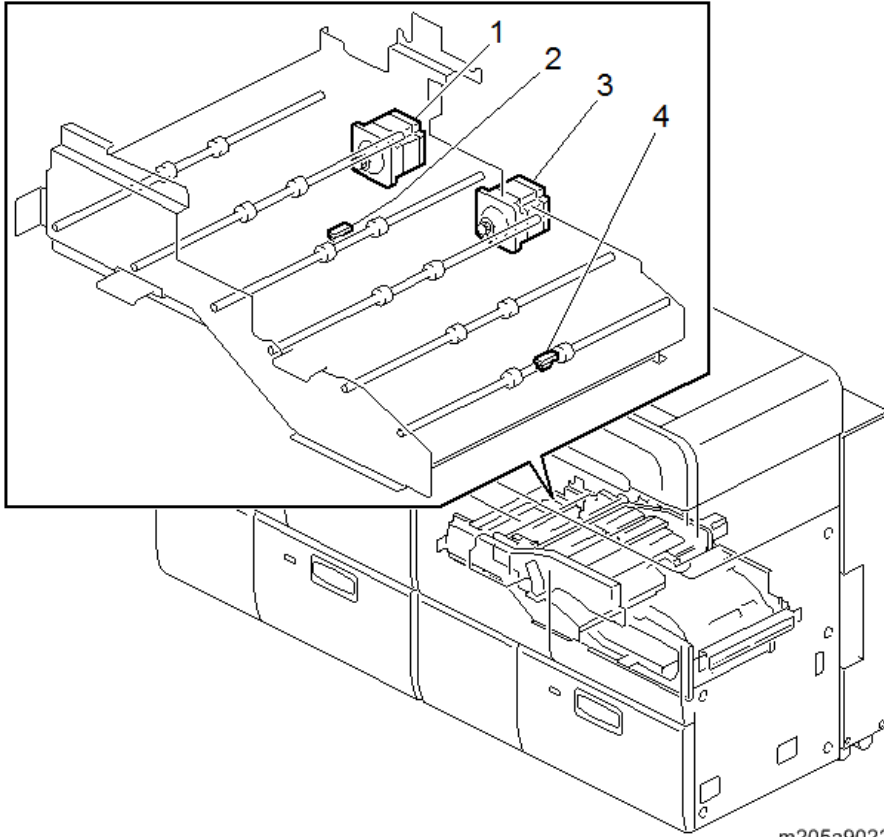
m205a9030

No.	Name	No.	Name
1	Belt Centering Roller Motor (Upper)	6	Belt Overrun Sensor (Lower 1)
2	Belt Overrun Sensor (Upper 2)	7	Belt Overrun Sensor (Lower 2)
3	Belt Overrun Sensor (Upper 1)	8	Belt Centering Roller Motor (Lower)
4	Belt Centering Roller Sensor (Upper)	9	Belt Centering Roller Sensor (Lower)
5	Paper Cooling Belt Motor	-	

Paper Path Unit

Registration Unit (Left)

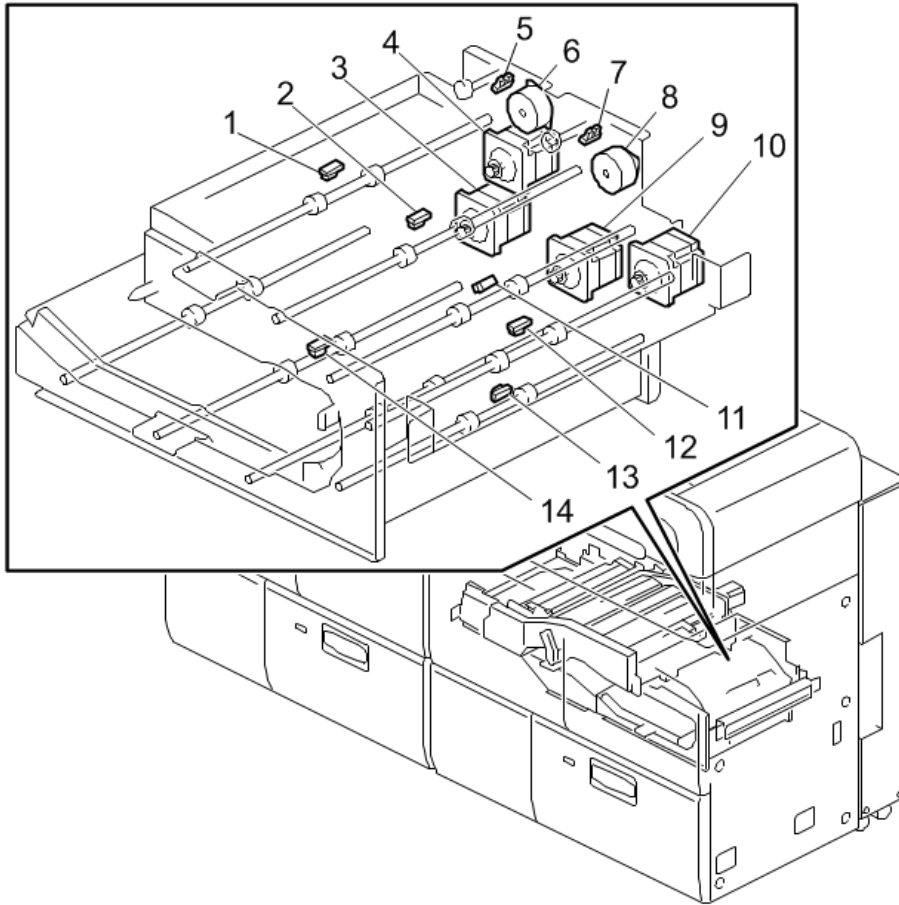
1



m205a9022

No.	Name	No.	Name
1	Paper Transport Motor 4	3	Paper Transport Motor 5
2	Paper Transport Sensor 4	4	Paper Transport Sensor 5

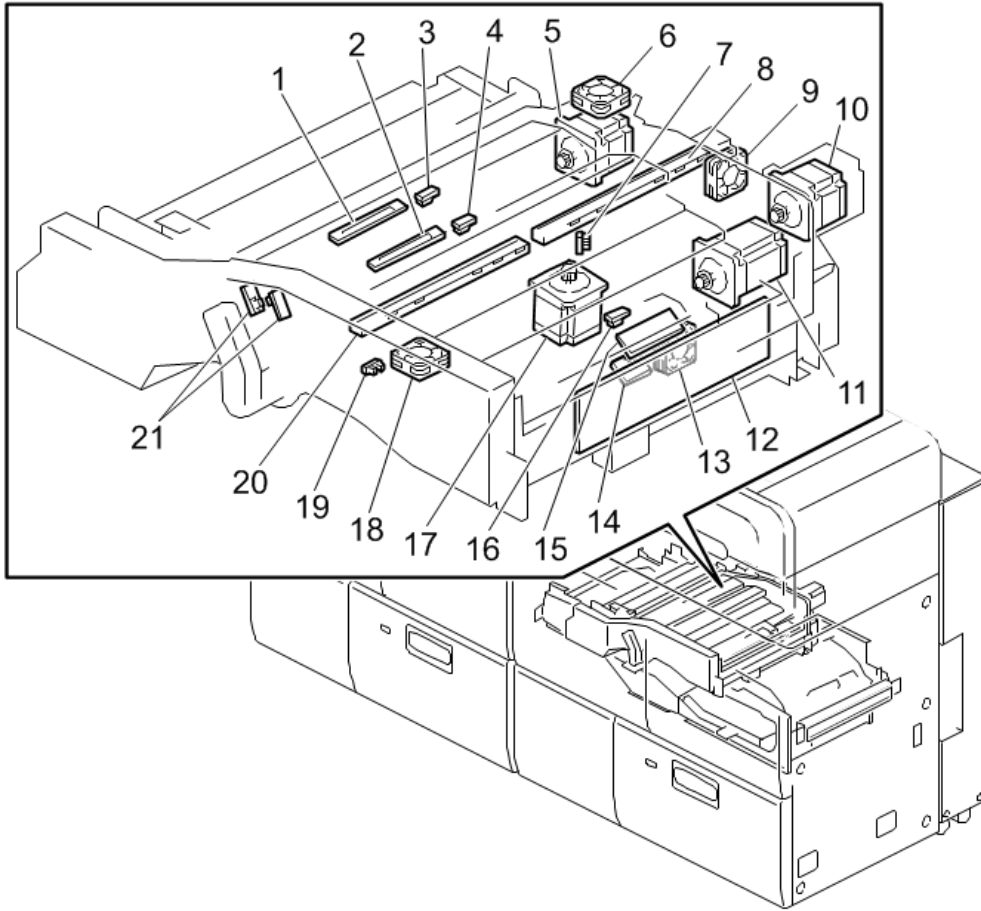
Registration Unit (Right)



m205a9023

No.	Name	No.	Name
1	Registration Entrance Sensor 3	8	Registration Roller Lift Motor 2
2	Registration Entrance Sensor 2	9	Paper Transport Motor 7
3	Paper Transport Motor 6	10	Registration Entrance Motor 1
4	Registration Entrance Motor 2	11	Registration Entrance Sensor 1
5	Registration Roller Home Position Sensor 1	12	LCT Relay Sensor
6	Registration Roller Lift Motor 1	13	Paper Transport Sensor 6
7	Registration Roller Home Position Sensor 2	14	Paper Transport Sensor 7

Registration Unit (Drawer Unit)



m205a9024

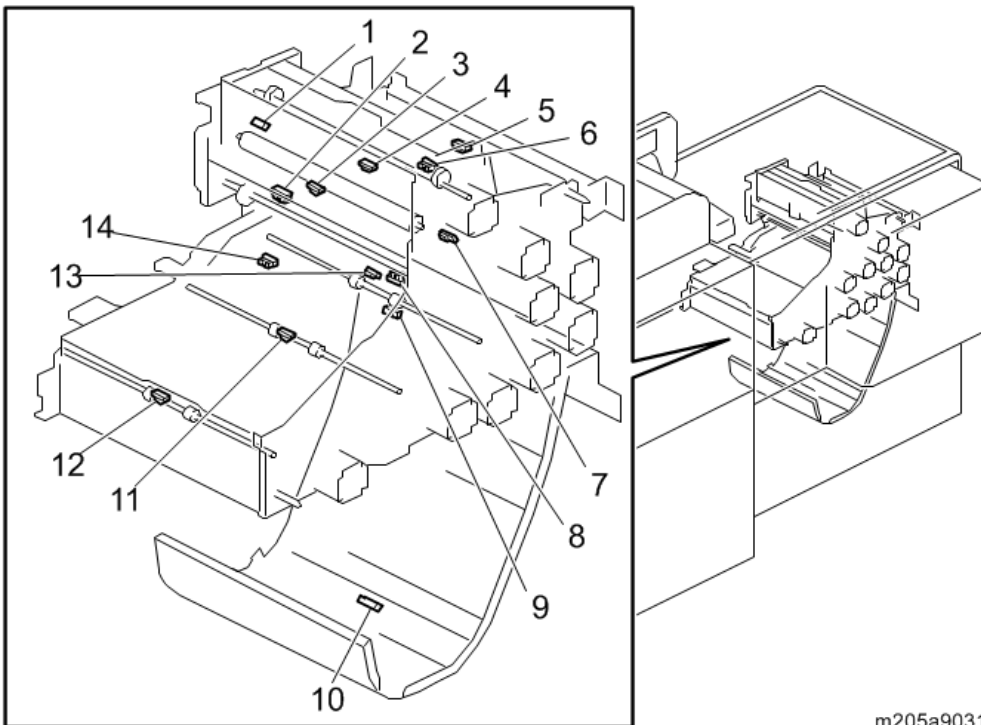
No.	Name	No.	Name
1	CRB2	12	DRB
2	CRB1	13	Registration Cooling Fan
3	T-ACT Sensor 2 * ¹	14	URTB (Double-Feed Sensor: Emitter)
4	T-ACT Sensor 1 * ¹	15	URRB (Double-Feed Sensor: Receptor)
5	PTR Timing Motor	16	Registration Timing Sensor
6	PTR Timing Motor Cooling Fan	17	Shift Roller Motor
7	Shift Unit Home Position Sensor	18	CIS Cleaning Fan
8	CIS (Rear)	19	Rotary Gate Home Position Sensor

No.	Name	No.	Name
9	Registration Timing Motor Fan	20	CIS (Front)
10	Registration Timing Motor	21	Registration Encoder Sensor
11	Rotary Gate Motor	-	

* 1 T-ACT sensor means that "Auto Media Size Feedback Sensor"

Paper Switch Back and Duplex Path Unit

Paper Exit (Sensors)

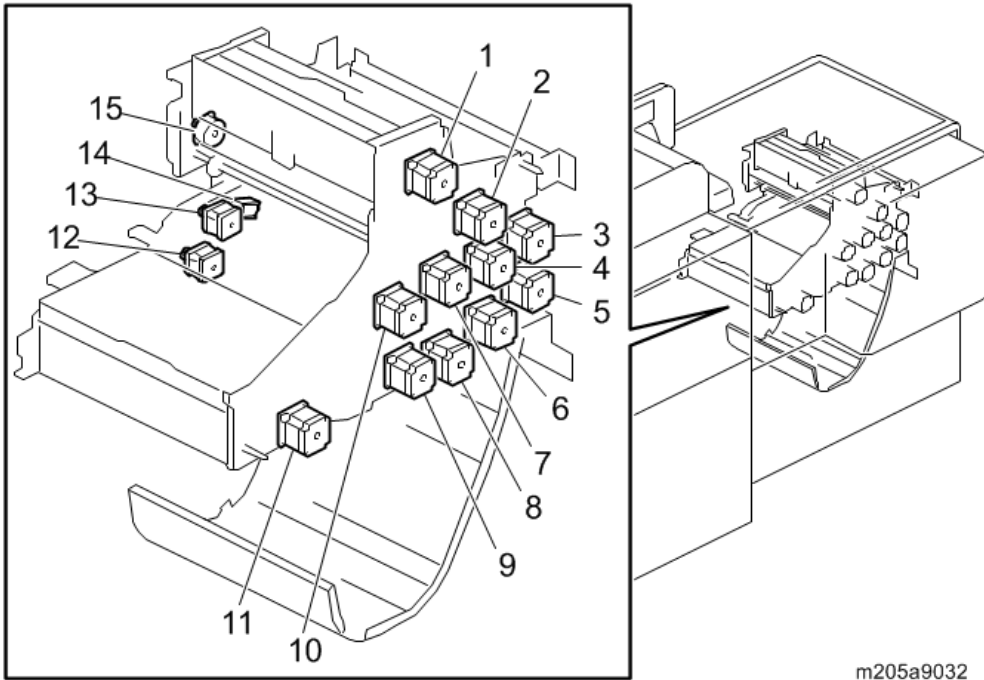


m205a9031

No.	Name	No.	Name
1	De-curler Unit Home Position Sensor 2	8	Paper Exit Inverter Roller Home Position Sensor
2	De-curler Unit Home Position Sensor 1	9	Duplex Inverter Sensor
3	De-curler Entrance Sensor	10	Purge Tray Paper Sensor

No.	Name	No.	Name
4	De-curler Exit Sensor	11	Duplex Transport Sensor 2
5	Paper Exit Sensor	12	Paper Transport Sensor 1
6	Exit Junction Gate Home Position Sensor	13	Duplex Transport Sensor 1
7	Paper Exit Inverter Sensor	14	Duplex Inverter Roller Home Position Sensor

Paper Exit (Drive)



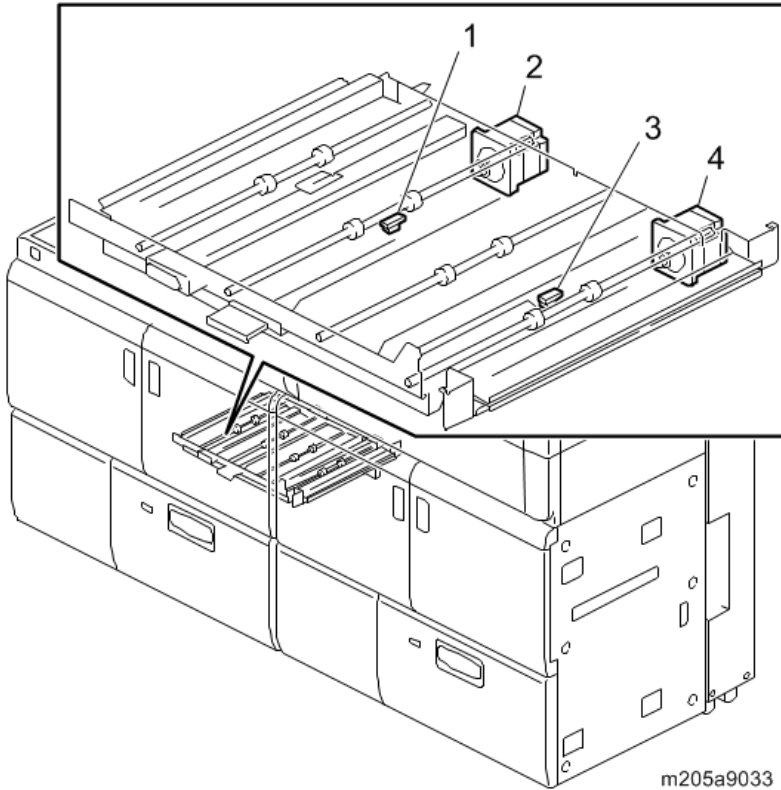
m205a9032

No.	Name	No.	Name
1	De-curler Unit Motor 2	9	Duplex Transport Motor 2
2	De-curler Transport Motor 1	10	De-curler Unit Motor 1
3	Paper Exit Motor	11	Paper Transport Motor 1
4	Inverter Entrance Motor	12	Duplex Inverter Roller Contact Motor
5	Paper Exit Inverter Motor	13	Paper Exit Inverter Roller Contact Motor
6	Duplex Inverter Motor	14	Switchback Junction Gate Solenoid

No.	Name	No.	Name
7	De-curler Transport Motor 2	15	Exit Junction Gate Motor
8	Duplex Transport Motor 1	-	

1

Duplex

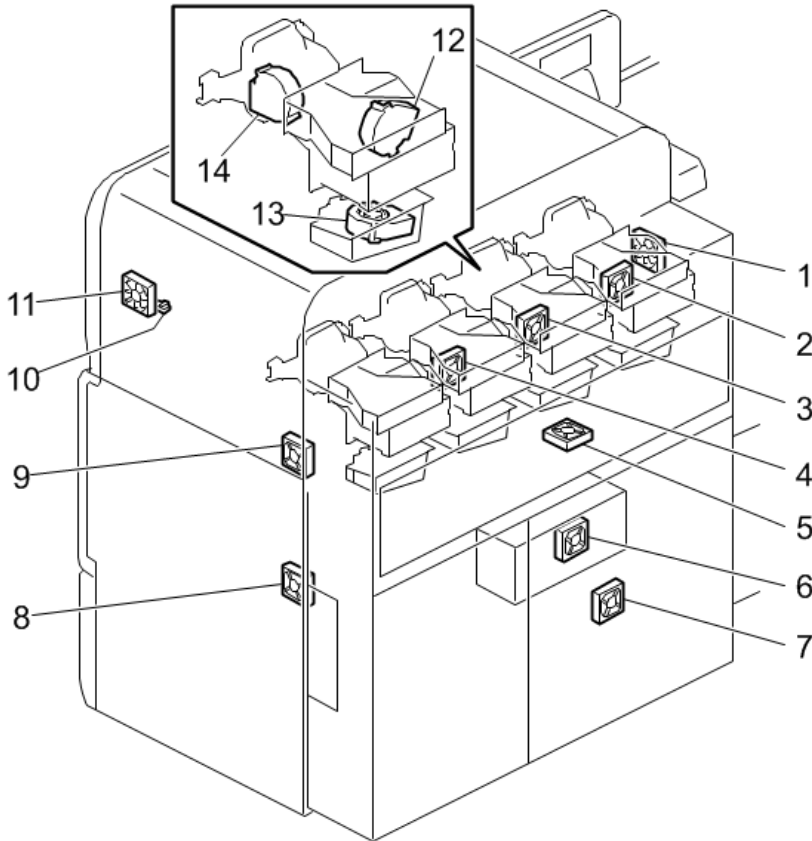


No.	Name	No.	Name
1	Paper Transport Sensor 2	3	Paper Transport Sensor 3
2	Paper Transport Motor 2	4	Paper Transport Motor 3

Fans

Imaging Section

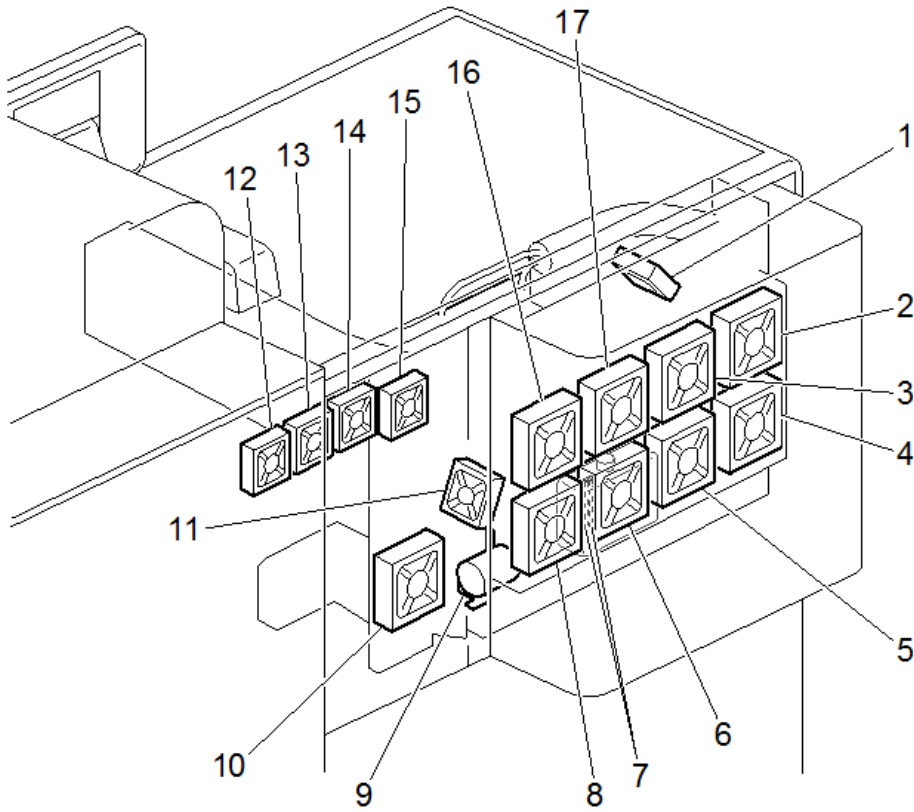
1



m205a9038

No.	Name	No.	Name
1	Exhaust Fan 3	8	Registration Exhaust Fan
2	Exhaust Fan 9	9	Exhaust Fan 2
3	Exhaust Fan 8	10	Temperature/Humidity Sensor (Main)
4	Exhaust Fan 1	11	Laser Unit Cooling Fan
5	Waste Toner Collection Fan	12	Development Unit Cooling Fan
6	PSU Exhaust Fan	13	Ozone Exhaust Fan
7	Exhaust Fan 4	14	Charger Entrance Fan

Fusing Section



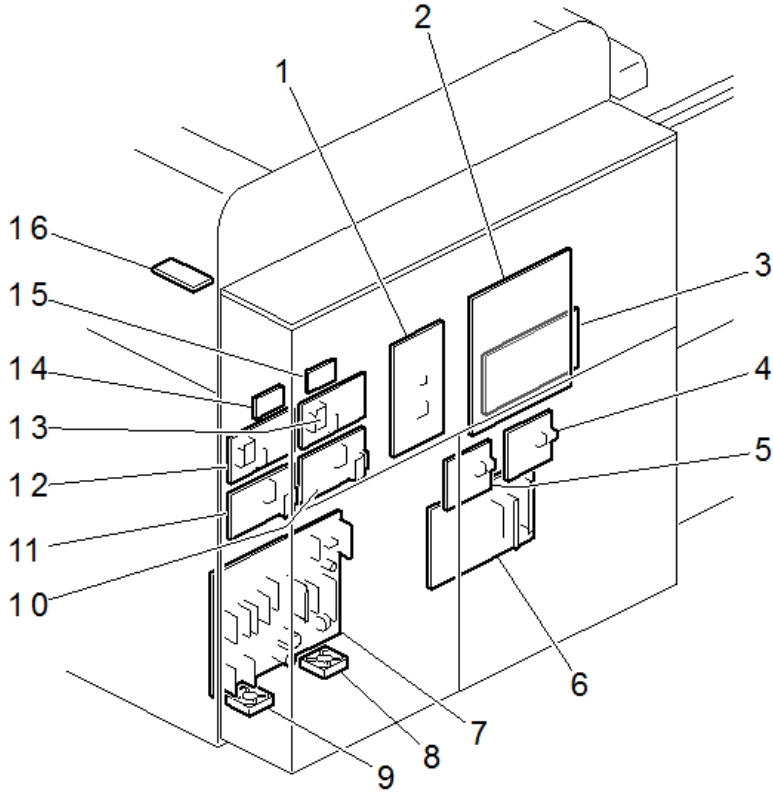
m205a9039

No.	Name	No.	Name
1	De-curler Motor Cooling Fan	10	Pressure Roller Exhaust Fan
2	Paper Cooling Belt Fan 4	11	Paper Exit Inverter Motor Fan
3	Paper Cooling Belt Fan 3	12	Exhaust Fan 5
4	Paper Cooling Belt Fan 8	13	Exhaust Fan 6
5	Paper Cooling Belt Fan 7	14	Exhaust Fan 7
6	Paper Cooling Belt Fan 6	15	Anti-condensation Fan
7	Paper Cooling Remain Switch	16	Paper Cooling Belt Fan 1
8	Paper Cooling Belt Fan 5	17	Paper Cooling Belt Fan 2
9	Paper Coolant Pump	-	

Main Boards / HDD Unit

Imaging Section

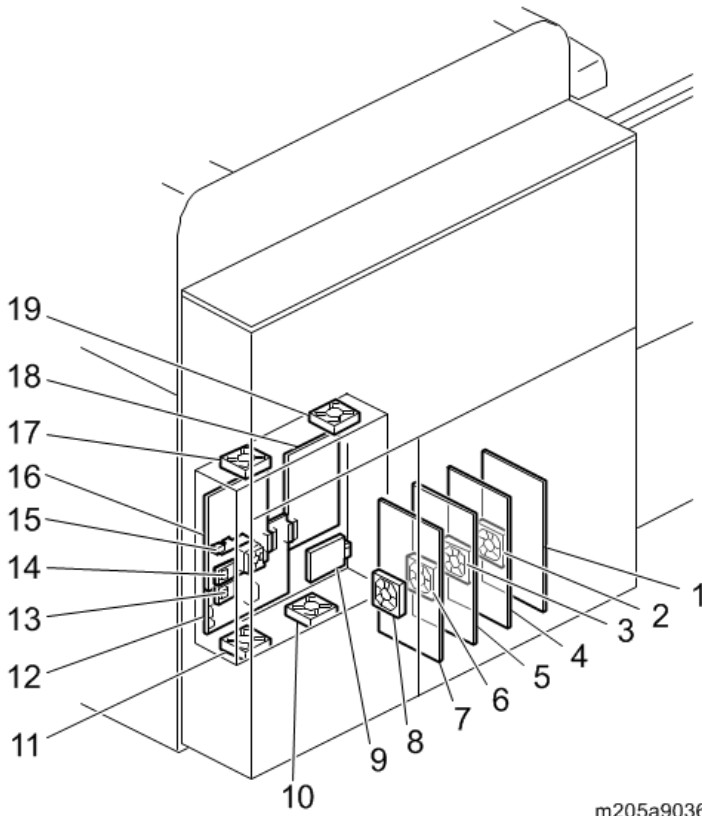
1



m205a9035

No.	Name	No.	Name
1	TDCU	9	PSU Fan 3
2	IOB 1	10	Charge/Development HVP (Y)
3	BCU	11	Charge/Development HVP (M)
4	NRYF 1	12	Charge/Development HVP (K)
5	NRYF 2	13	Charge/Development HVP (C)
6	AC Drive Board 1	14	Drum Cleaning HVP (K)
7	PSU 3	15	Drum Cleaning HVP (CMY)
8	PSU Fan 4	16	Potential Sensor Board

Rear Box

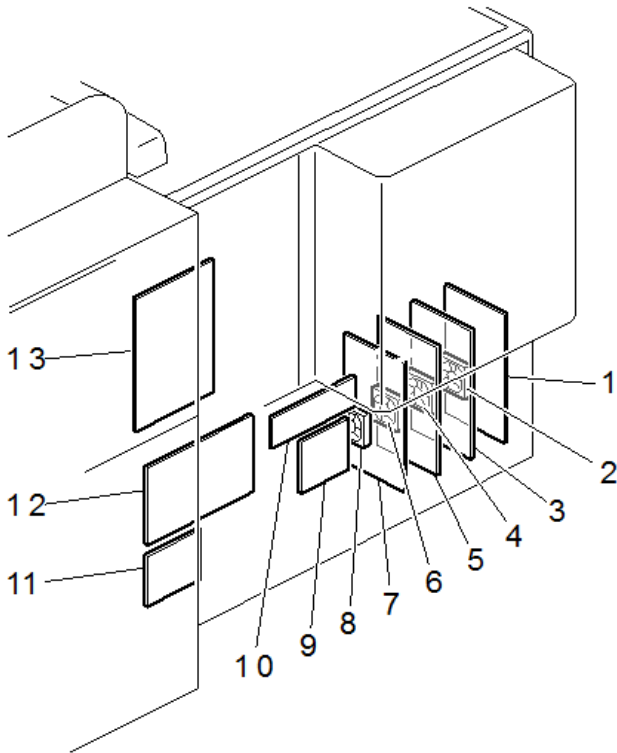


m205a9036

No.	Name	No.	Name
1	PSU 5	11	Controller Fan 3
2	PSU Fan 6	12	Data Transfer Unit
3	PSU Fan 5	13	SD Slot Board 1
4	PSU 4	14	SD Slot Board 2
5	PSU 2	15	Giga-Ethernet Board
6	PSU Fan 2	16	Controller Board
7	PSU 1	17	Controller Fan 1
8	PSU Fan 1	18	IPU
9	HDD	19	Controller Fan 2

No.	Name	No.	Name
10	Controller Fan 4	-	

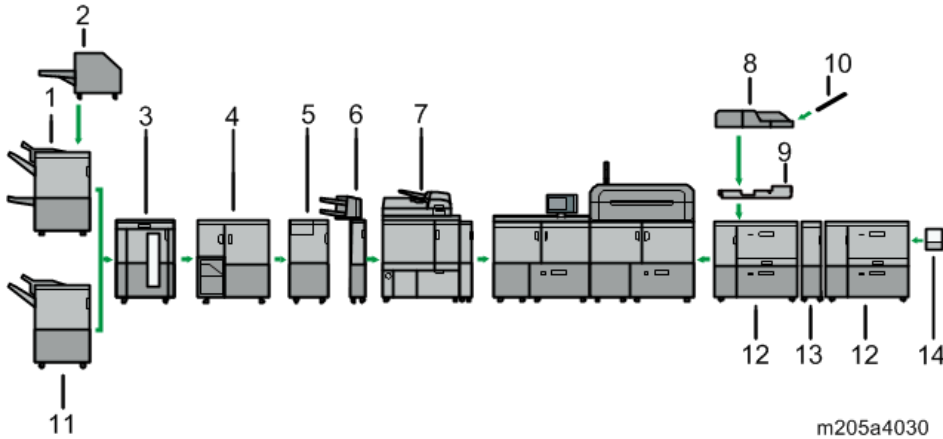
Fusing Section



m205a9037

No.	Name	No.	Name
1	PSU 9	8	PSU Fan 7
2	PSU Fan 10	9	NRYF 4
3	PSU 8	10	SDB
4	PSU Fan 9	11	NRYF 3
5	PSU 7	12	AC Drive Board 2
6	PSU Fan 8	13	IOB2
7	PSU 6	-	

Machine Codes and Peripherals Configuration



No.	Item	Machine Code
1	Finisher SR5060	D734
2	Trimmer Unit TR5040	D520
3	High Capacity Stacker SK5030	D776
4	Ring Binder RB5020	D737
5	Multi-Folding Unit FD5020	D740
6	Cover Interposer Tray CI5030	D738
7	Perfect Binder GB5010	D736
	Transit Pass Unit Type S1	D736-04
	Cover Interposer Tray for Perfect Binder Type S1	D736-02
8	Multi Bypass Tray BY5010	D517
9	Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3	D777
10	Multi Bypass Banner Sheet Tray Type S3	D517
11	Finisher SR5050	D735
12	Vacuum Feed LCIT RT5100	D777

No.	Item	Machine Code
13	Bridge Unit BU5010	D778
14	Vacuum Feed Banner Sheet Tray Type S3	D777
-	Punch Unit PU5020 NA	D449-17
-	Punch Unit PU5020 EU	D449-27
-	Punch Unit PU5020 SC	D449-28
-	Roll-Away Cart Type 5010	D456
-	Ring Opener Type A	D419
-	Ring Cartridge LT Type RB5000	D421-01
-	Ring Cartridge A4 Type RB5000	D421-02
-	Ring Supply LT White 100 Type A	D392-34
-	Ring Supply LT Black 100 Type A	D392-35
-	Ring Supply LT White 50 Type A	D392-36
-	Ring Supply LT Black 50 Type A	D392-37
-	Ring Supply A4 White 100 Type A	D392-38
-	Ring Supply A4 Black 100 Type A	D392-39
-	Ring Supply A4 White 50 Type A	D392-40
-	Ring Supply A4 Black 50 Type A	D392-41
-	Glue Supply Type A	D917
-	RPIP Interface Box Type S3	M462

Specifications

See "Appendices" for the following information:

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

2. Installation

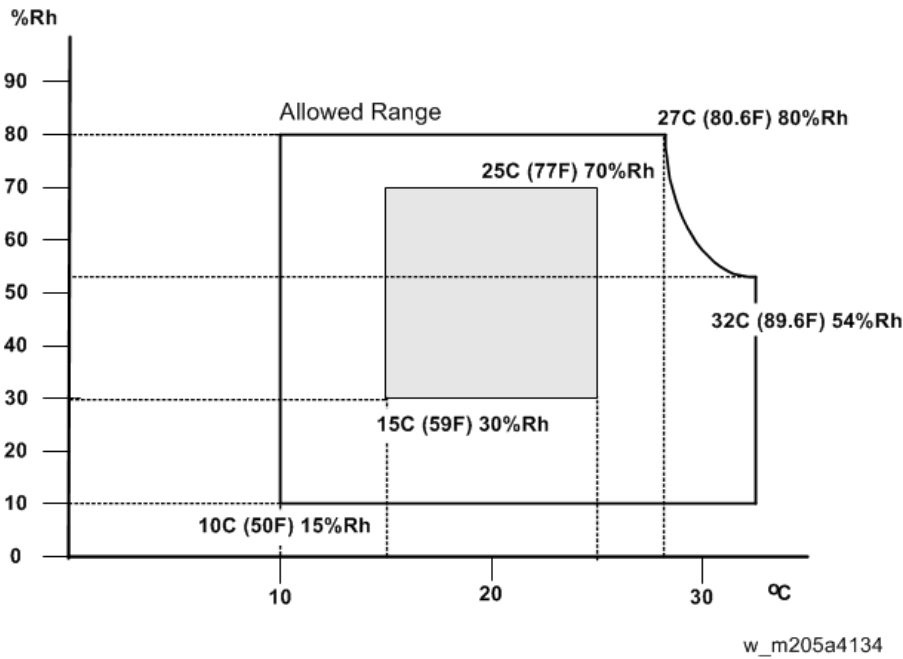
Installation Requirements

★ Important

- Install the machine in a safe place to maintain security.
- Make sure that the operation instructions are kept at the customer's hand.

Environment

Recommended Temperature/Humidity Range for Operation



* The gray-colored area in the figure shows recommended temperature and humidity range of operating environment.

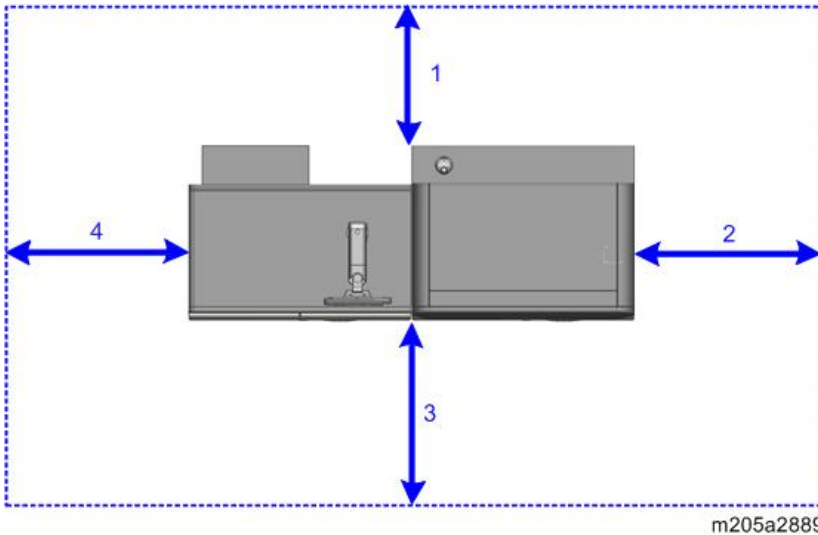
Temperature Range:	10°C to 32°C (50°F to 90°F)
Humidity Range:	15% to 80% RH
Ambient Illumination:	Less than 1,500 lux (do not expose to direct sunlight.)
Ventilation:	Room air should turn over at least 50 m ³ /hr/person

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 2,500 m (8,200 ft.) above sea level. 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. 	

Minimum Space Requirements

Place the main machine near the power source, providing clearance as shown:

The following space is required to use and maintenance the machine.

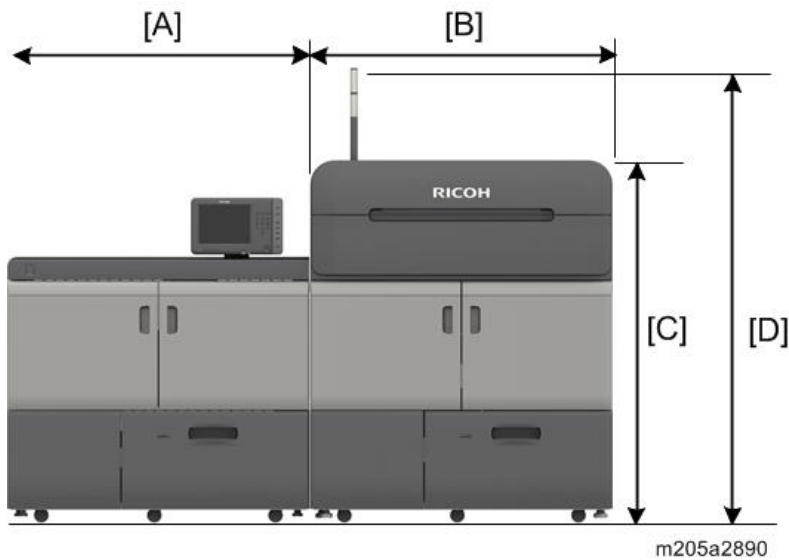


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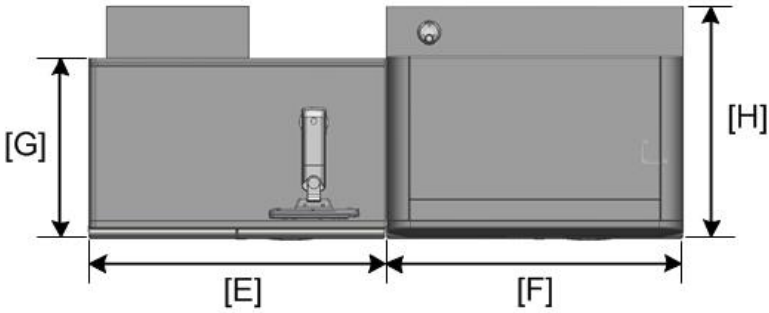
[1] Rear	800 mm (31.5")
[2] Right	1000 mm (39.4")
[3] Front	1000 mm (39.4")
[4] Left	1000 mm (39.4")

Note

- At least 1000 mm (39.4 in.) clearance required at the front, right, and left side of the machine for servicing. At least 800 mm (31.5 in.) clearance required behind the machine for servicing.
- When installing the peripherals, at least 1000 mm (39.4 in.) clearance required at the front, behind, right, and left side of the machine.

System Dimensions**Main Machine**

- [A]: 1250 mm (49.3")
- [B]: 1250 mm (49.3")
- [C]: 1500 mm (59.1")
- [D]: 1870 mm (73.7")



m205a2891

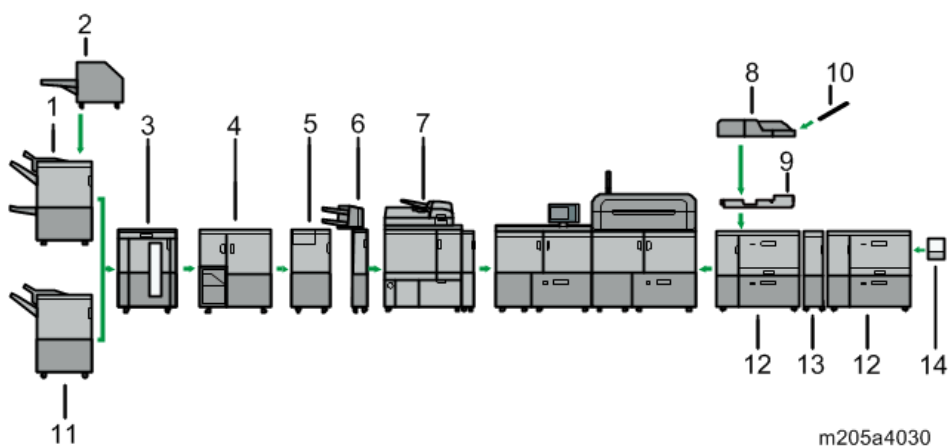
- [E]: 1250 mm (49.3")
- [F]: 1250 mm (49.3")
- [G]: 765 mm (30.2")
- [H]: 990 mm (39")

Note

- The main machine weighs 1013.4 kg.

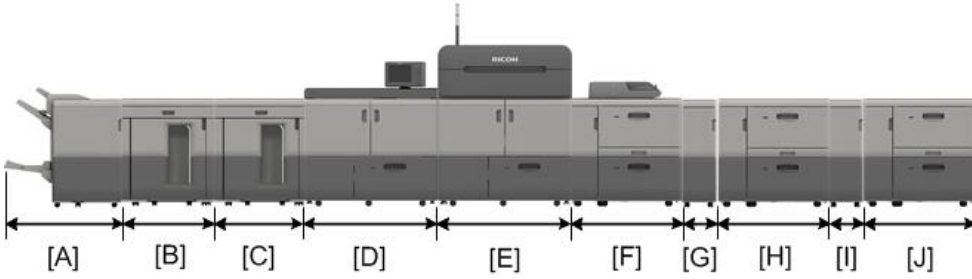
		Left side	Right side	Total Weight
Imaging Section	Front side	216.5 kg	174.9 kg	617.4 kg
	Rear side	88.8 kg	137.2 kg	
Fusing Section	Front side	91.2 kg	104.5 kg	396.0 kg
	Rear side	93.4 kg	106.9 kg	
Total Weight				1013.4 kg

Options



No.	Item	Dimension (W×D×H)
1	Finisher SR5060	1113×730×1126 mm
2	Trimmer Unit TR5040	1115×591×555 mm
3	High Capacity Stacker SK5030	900×730×1000 mm
4	Ring Binder RB5020	870×730×1010 mm
5	Multi-Folding Unit FD5020	470×730×1000 mm
6	Cover Interposer Tray CI5030	540×730×1290 mm
7	Perfect Binder GB5010	1090×791×1387 mm
8	Multi Bypass Tray BY5010	690×561×210 mm
9	Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3	-
10	Multi Bypass Banner Sheet Tray Type S3	-
11	Finisher SR5050	1113×730×1126 mm
12	Vacuum Feed LCIT RT5100	1054×730×1000 mm
13	Bridge Unit BU5010	330×730×1000 mm
14	Vacuum Feed Banner Sheet Tray Type S3	1290×730×1000 mm (With Vacuum Feed LCIT RT5100)

System Pattern 1

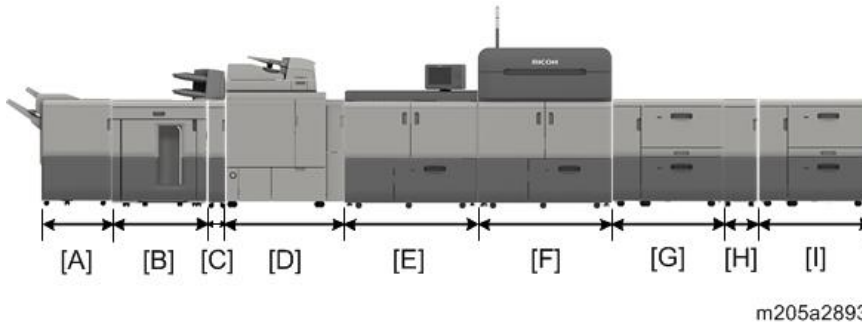


m205a2892

	Name	Dimension
[A]	Finisher SR5060	1 196 mm (47.1")
[B]	High Capacity Stacker SK5030	900 mm (35.5")
[C]	High Capacity Stacker SK5030	900 mm (35.5")
[D]	Main machine (Fusing section)	1 250 mm (49.3")
[E]	Main machine (Imaging section)	1 250 mm (49.3")
[F]	Vacuum Feed LCIT RT5100 ^{*1}	1 054 mm (41.5")
[G]	Bridge Unit BU5010	330 mm (13")
[H]	Vacuum Feed LCIT RT5100	1 054 mm (41.5")
[I]	Bridge Unit BU5010	330 mm (13")
[J]	Vacuum Feed LCIT RT5100	1 054 mm (41.5")

* 1 Multi Bypass Tray BY5010 is installed

System Pattern 2



	Name	Dimension
[A]	Finisher SR5050	930 mm (36.7")
[B]	High Capacity Stacker SK5030	900 mm (35.5")
[C]	Cover Interposer Tray CI5030	540 mm (21.3")
[D]	Perfect Binder GB5010	1090 mm (43")
[E]	Main machine (Fusing section)	1250 mm (49.3")
[F]	Main machine (Imaging section)	1250 mm (49.3")
[G]	Vacuum Feed LCIT RT5100	1054 mm (41.5")
[H]	Bridge Unit BU5010	330 mm (13")
[I]	Vacuum Feed LCIT RT5100	1054 mm (41.5")

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.
- Input voltage level
NA: 208 to 240V, 50/60 Hz: More than 60A (30A×2)

EU/AP: 220 to 240V, 50/60 Hz: More than 60A (30A×2)

Main Machine Installation

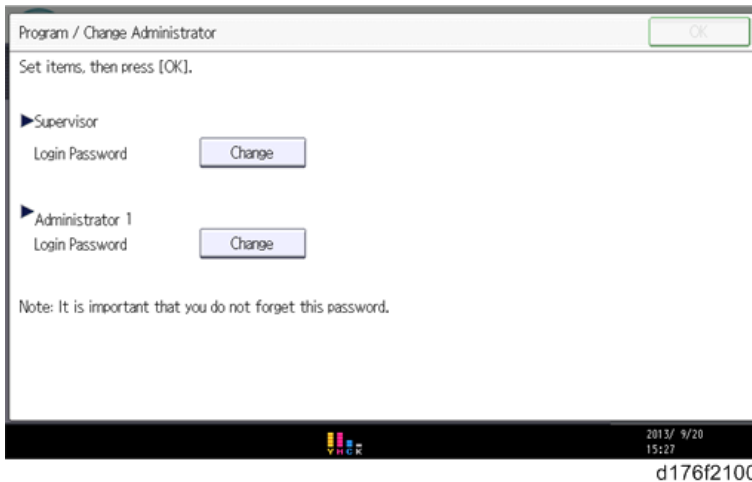
Important Notice on Security Issues

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

2

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 if 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, then the home display appears.
- SP5-755-002 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

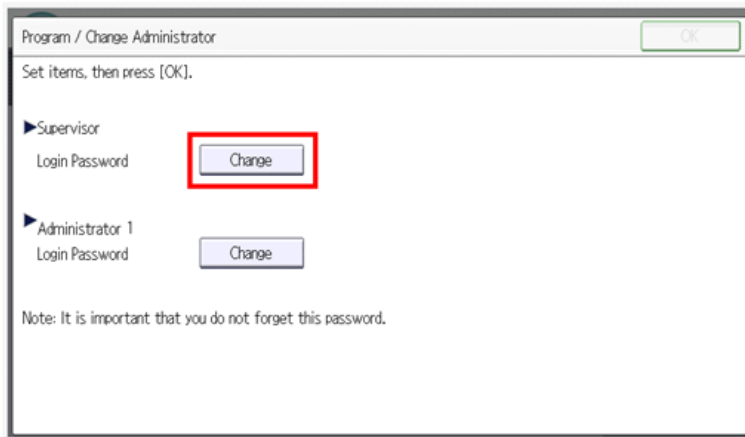
Note

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

CAUTION

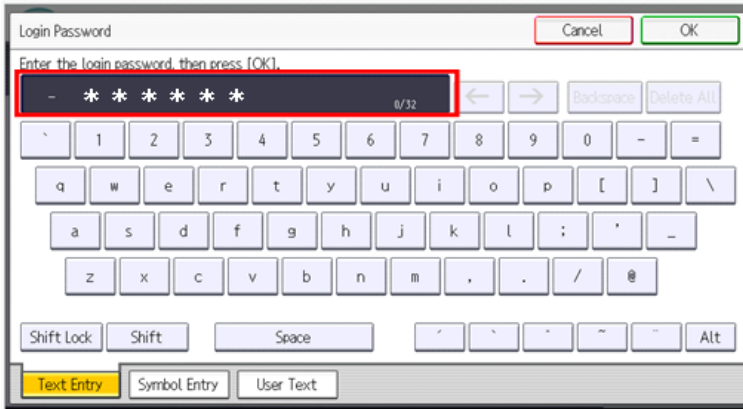
- When Supervisor / Administrator 1-4 passwords are configured via network, the “Change Supervisor login password” window will not display.
- The passwords for Supervisor or Administrator 1 to 4 can be set via “System Settings”. But the Program/Change Administrator screen appears every time the power 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 the main power switch ON.
3. Change the Supervisor login password.



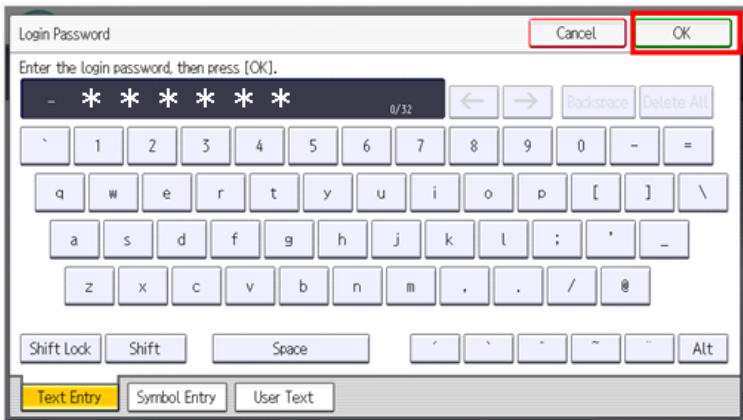
d176f2101

4. Input the password.



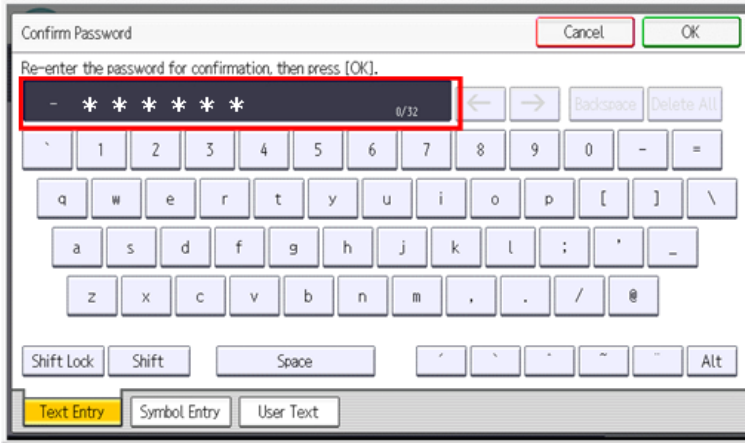
d176f2102

5. Press [OK].



d176f2103

6. Confirm the Password.



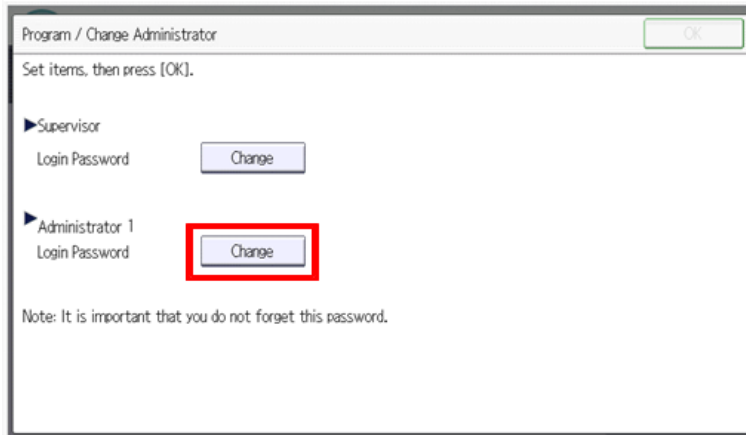
d176f2104

7. Press [OK].



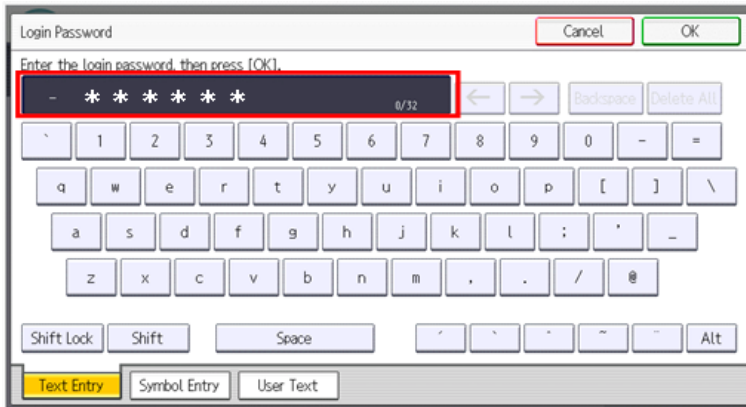
d176f2105

8. Change the Administrator 1 login password.



d176f2106

9. Input the password.



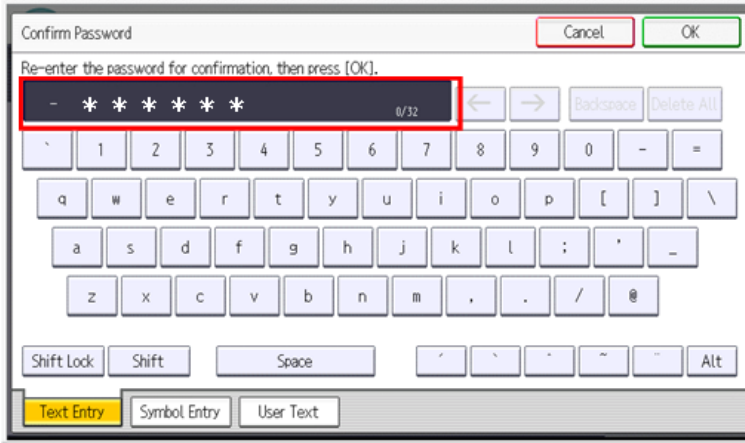
d176f2102

10. Press [OK].



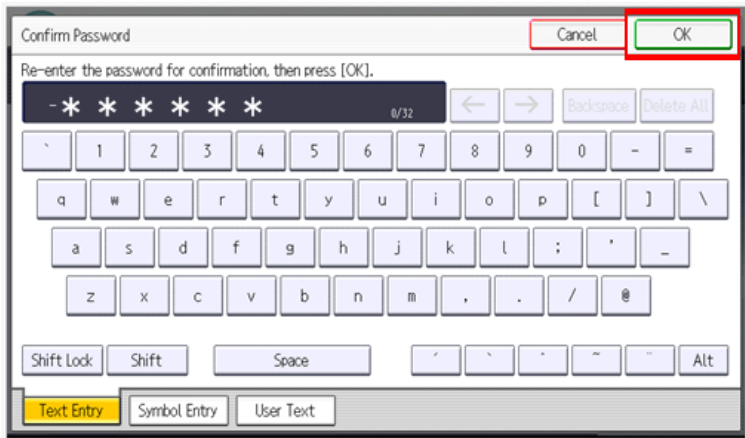
d176f2103

11. Confirm the password.



d176f2104

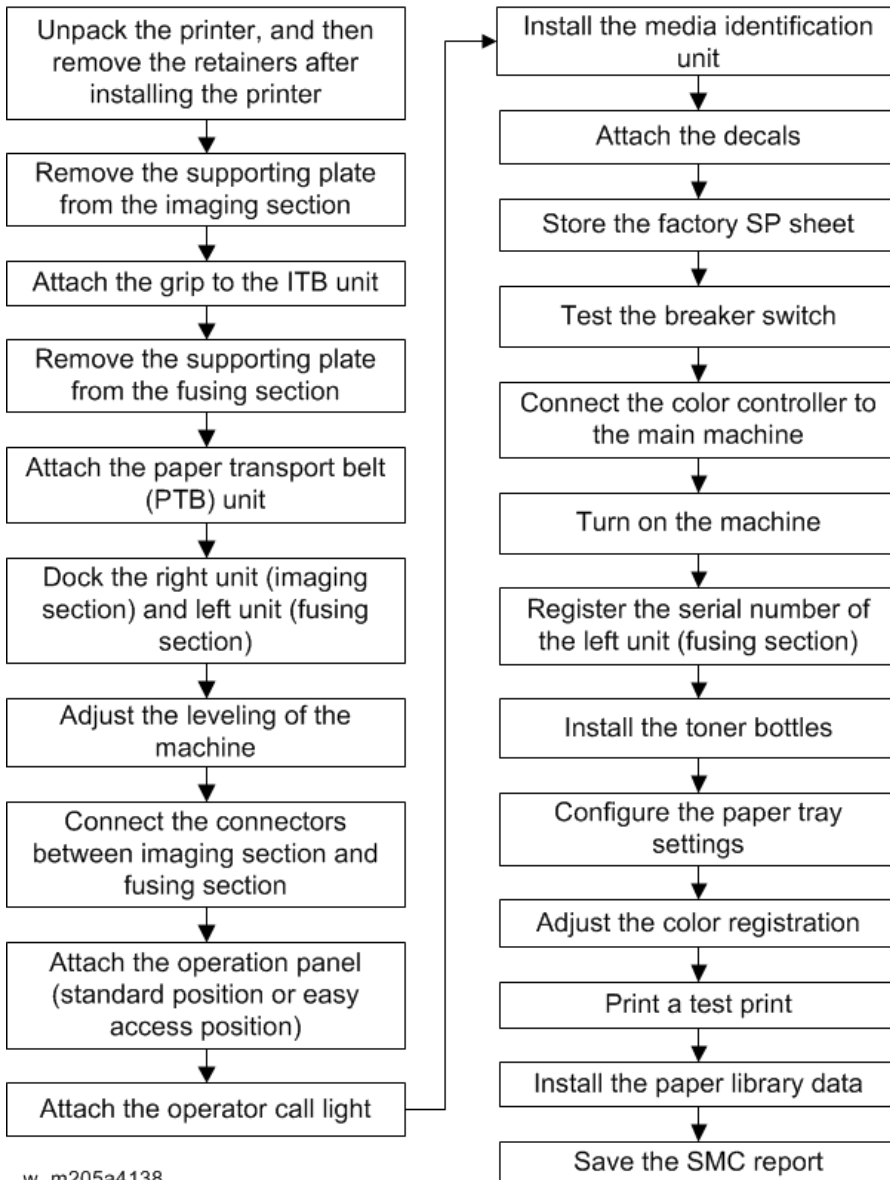
12. Press [OK].



d176f2105

13. Cycle the power OFF/ON.

Installation Flow Chart

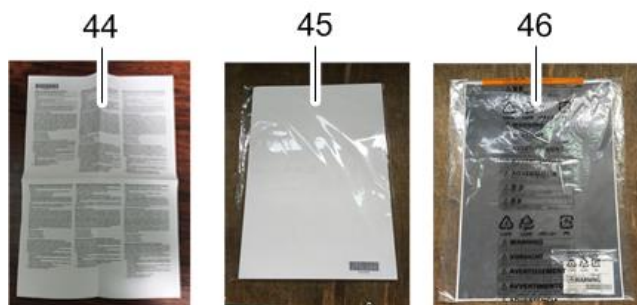


w_m205a4138

Accessory Check



m205a4137



m205a4185

2

No.	Description	Q'ty
1	Operation panel	1
2	Paper Transport Belt (PTB) Unit	1
3	Status Lamp	1
4	Guide Plate	1
5	Wrench (Hexagon head bolt: 13-17)	1
6	Wrench (Hexagon head bolt)	1
7	Media identification unit	1
8	Operation Panel Rear Upper Cover	1
9	Operation Panel Rear Lower Cover	1
10	Heater Tube	1
11	Fusing Knob	1
12	Sponge Strip	1
13	ITB Replacement Sheet	1
14	Positioning Pin	2
15	Drum Unit Knob	1
16	Developer Bottle	1
17	Leveling Shoes	8
18	Date Transfer Unit Cable	2

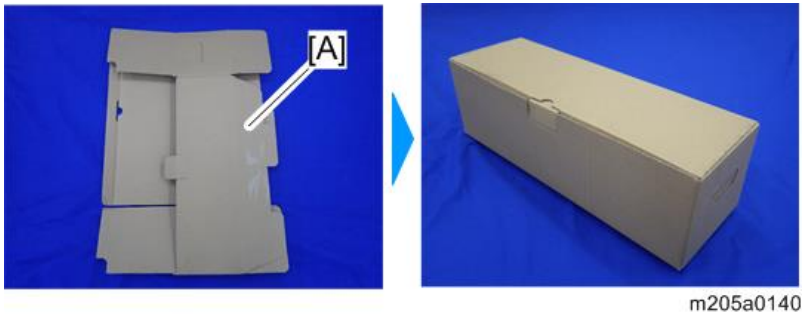
No.	Description	Q'ty
19	Harness Bracket	1
20	Binding Head Screw - M3×8	3
21	Cable Clamp	1
22	Binding Head Screw - M4×6	4
23	Hexagon Flange Screw - M4×6	5
24	Hexagon Flange Screw (blue, rounded end) - 4×8	3
25	Hexagon Flange Screw - M4×6	2
26	Vertical Standing Support Jig B for Paper Transfer Unit	2
27	Vertical Standing Support Jig A for Paper Transfer Unit	1
28	Bolt M8×16	2
29	Harness Clamp	1
30	Decal - EMC Address (EU Only)	1
31	Sheet - Safety (EU Only)	1
32	Decal - Paper Set Direction	1
33	Decal - Function : Blank (NA/EU Only)	1
34	Decal - Paper Tray 1	1
35	Decal - Paper Tray 2	2
36	Logotype Plate (NA Only)	1
37	Sheet - Logo (NA Only)	1
38	Decal - Application: EFI	1
39	Decal - PDF	1
40	Decal - Ink Jet Paper Caution (NA only)	1
41	Binding Head Screw - M4×8	4
42	Paper Towel	1
43	Accessory Box	1

No.	Description	Q'ty
44	Sheet - Security	1
45	Paper (EU/AA: A3, NA: 12"×18")	1
46	Print Sample	1
-	Decal - Function : Multiple	1
-	Operating Instructions	1

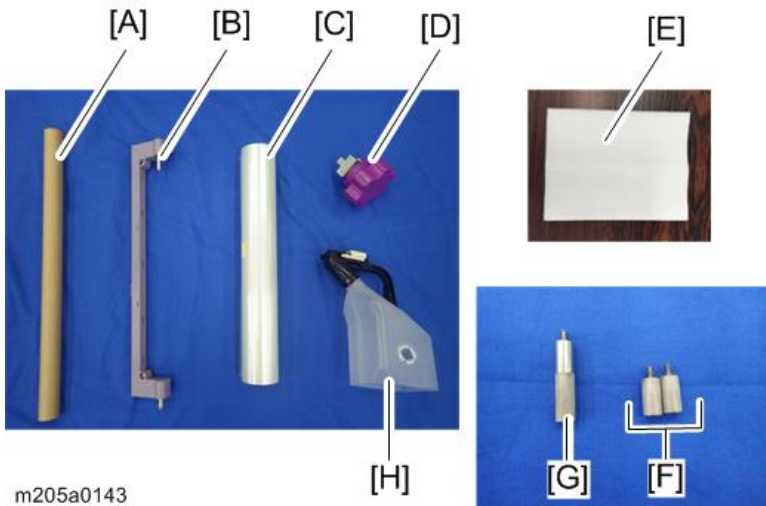
Assembling the Accessory Box

After checking the accessories, assemble the accessory box. Then store the following items in the accessory box.

1. Assemble the accessory box [A] as shown below.



2. Store the following items in the accessory box.



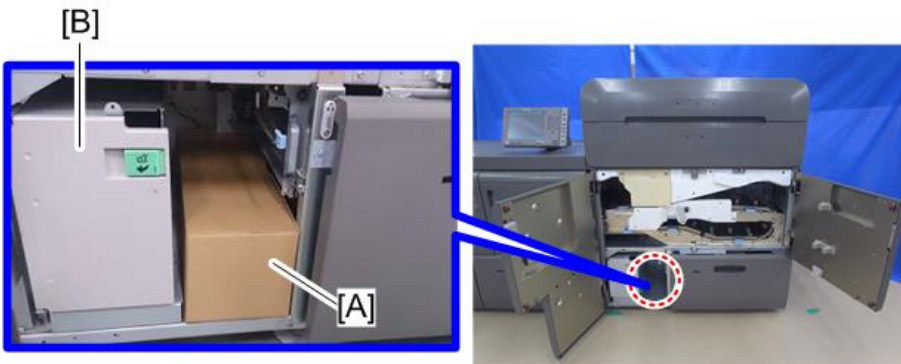
No.	Description	Q'ty
[A]	Heater Tube	1
[B]	Fusing Knob	1
[C]	ITB Replacement Sheet	1
[D]	Drum Unit Knob	1
[E]	Paper Towel	1
[F]	Vertical Standing Support Jig B for Paper Transfer Unit	2
[G]	Vertical Standing Support Jig A for Paper Transfer Unit	1
[H]	Developer Bottle	1

3. After installing the main machine, open the left door [A] and right door [B] of the right unit (imaging section).



m205a2271

4. Store the accessory box [A] beside the waste toner bottle [B].



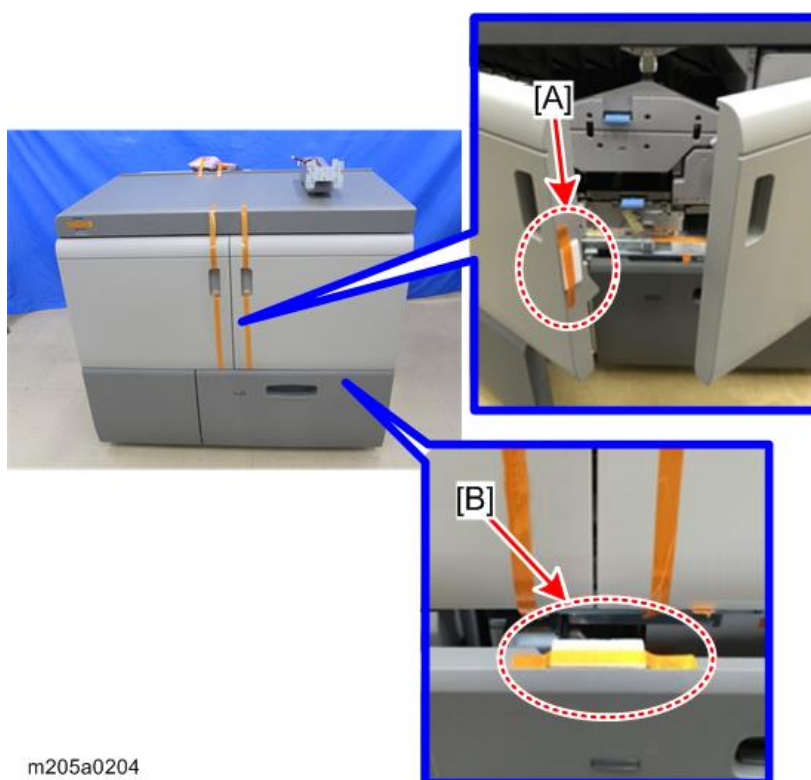
m205a0141

Installation Procedure

Remove Tapes, Shipping Materials

Note

- Do not discard the sponge strips attached to the front left door and paper tray on both right (imaging) and left (fusing) units. These sponge strips are to be reused when the units need to be transported. Store the sponge strips in the accessory box beside the waste toner bottle.
Left unit

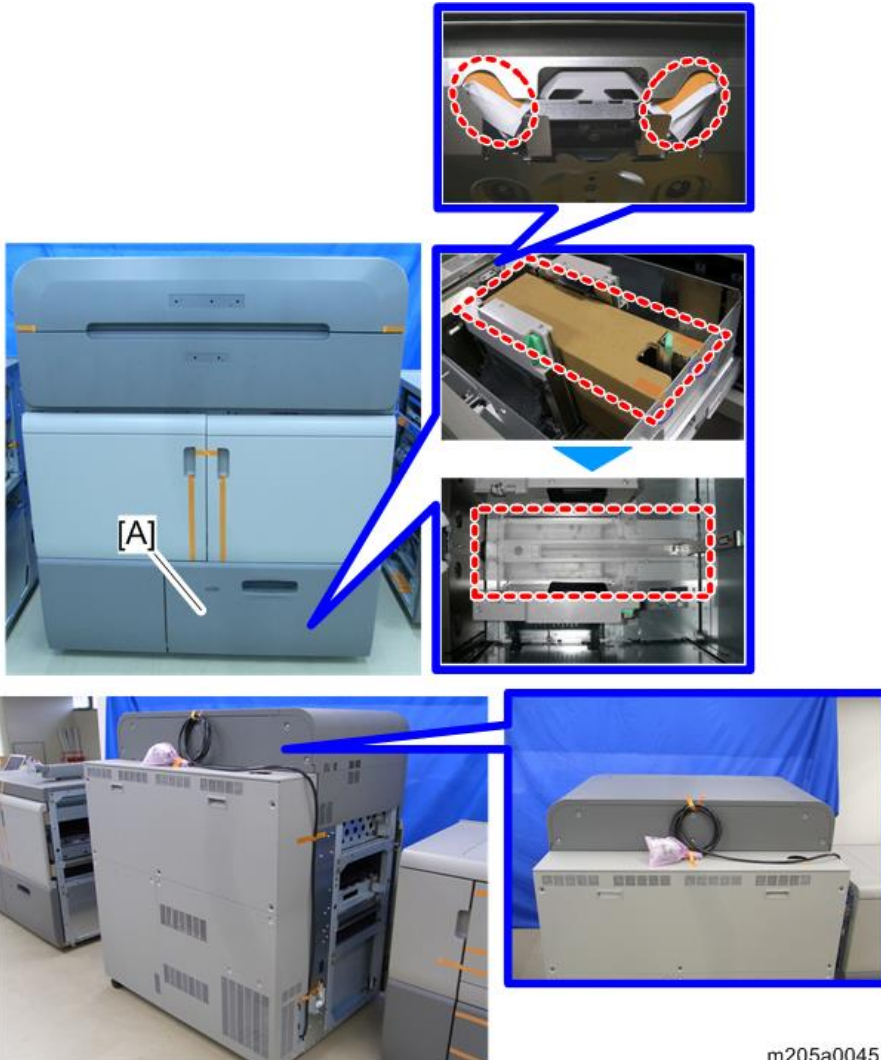


m205a0204

- [A]: Sponge strip attached to the front left door
- [B]: Sponge strip attached to the paper tray

- Unpack the right unit (imaging section) and left unit (fusing section) and remove all the wrapping.
- Place the right unit (imaging section) and left unit (fusing section) at the installation site.
- Remove all filament tape from the right unit (imaging section).

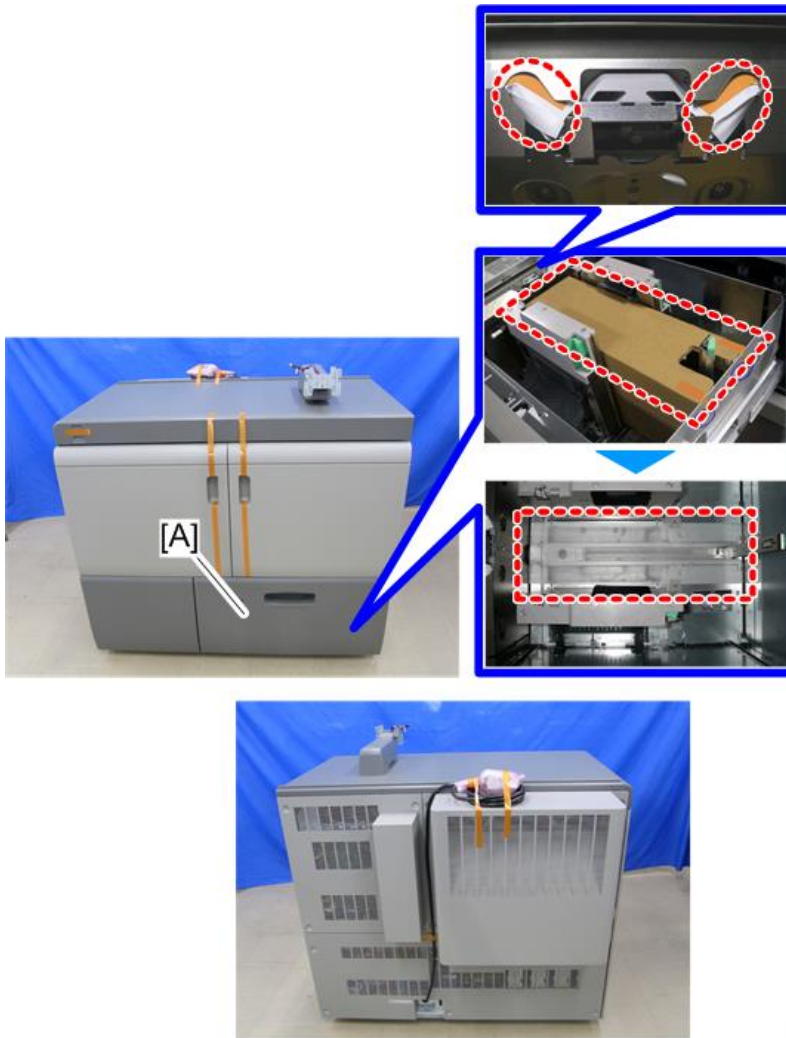
4. Open paper tray 1 [A] and remove the shipping materials.



m205a0045

5. Remove all filament tape from the left unit (fusing section).

6. Open paper tray 2 [A] and remove the shipping materials.

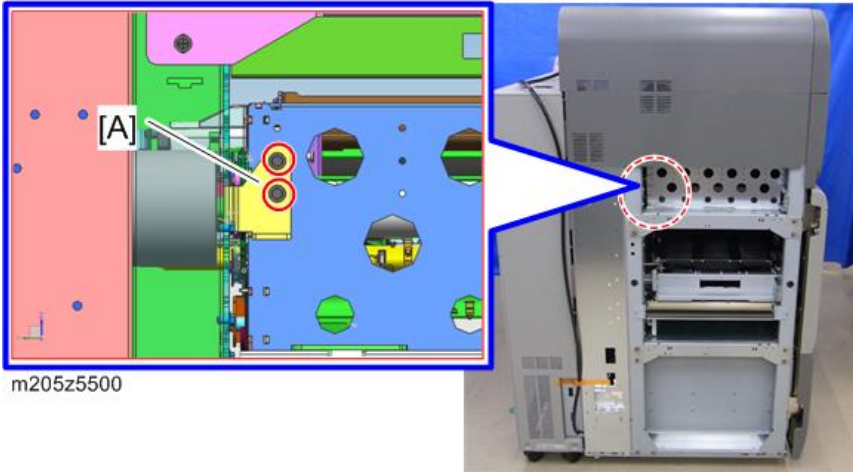


m205a0046

Removing the Supporting Plate from the Right Unit

1. Remove the red tag attached to the left side of the right (imaging) unit.

2. Remove the supporting plate [A]. (⌀ ×2: M4×8)

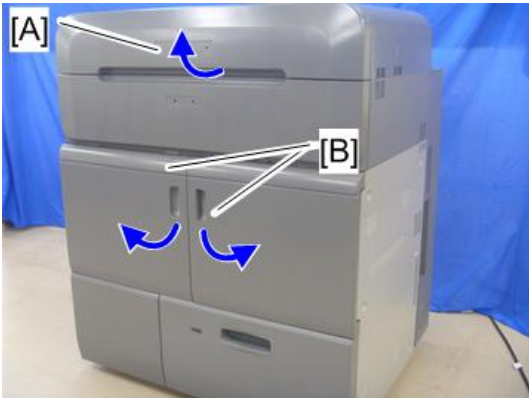


↓ Note

- Store the supporting plate and fixing screws in the accessory box beside the waste toner bottle for use when the unit needs to be transported.

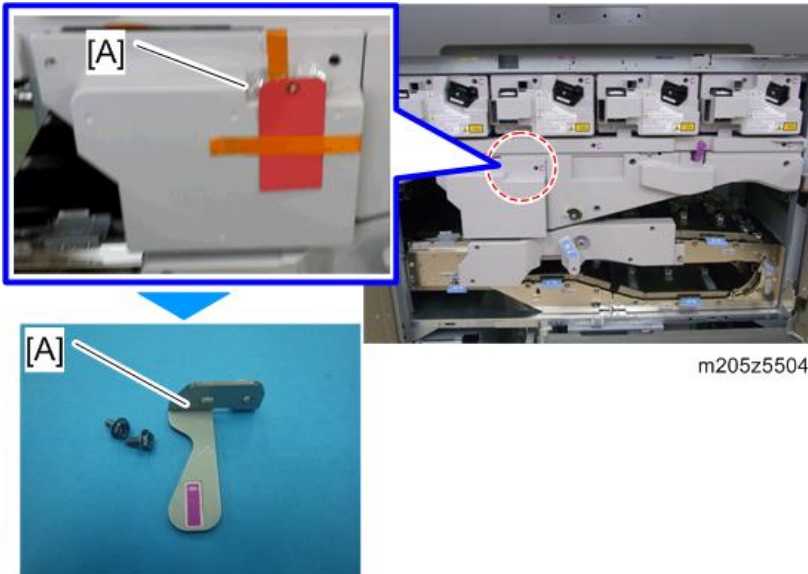
Attaching the Grip to the ITB Unit

1. Open the toner supply unit cover [A] and left/right front door [B] of the right unit.



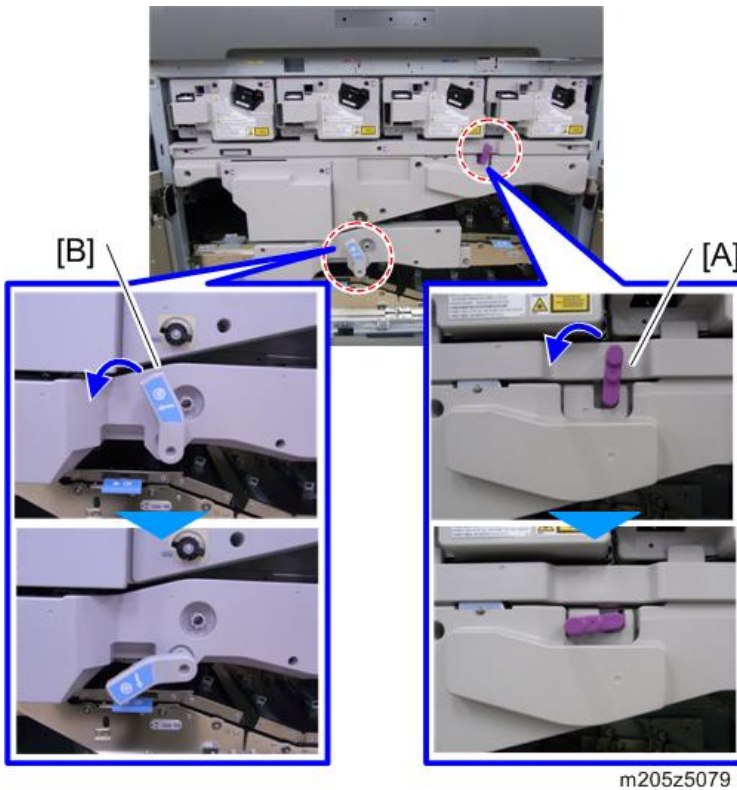
m205z5502

2. Remove the grip [A] and two screws.

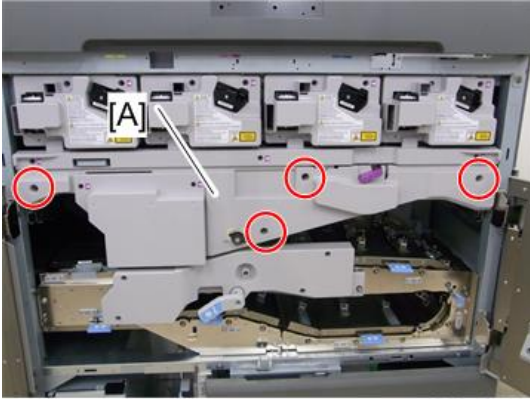


2

3. Turn the release lever [A] and handle [B] counter-clockwise to separate the ITB unit from the PCU.



4. Remove the inner cover [A]. (⌀x4)



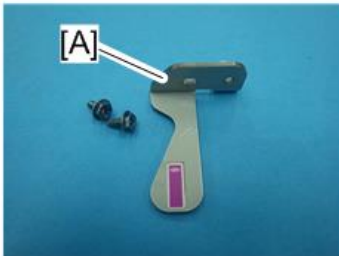
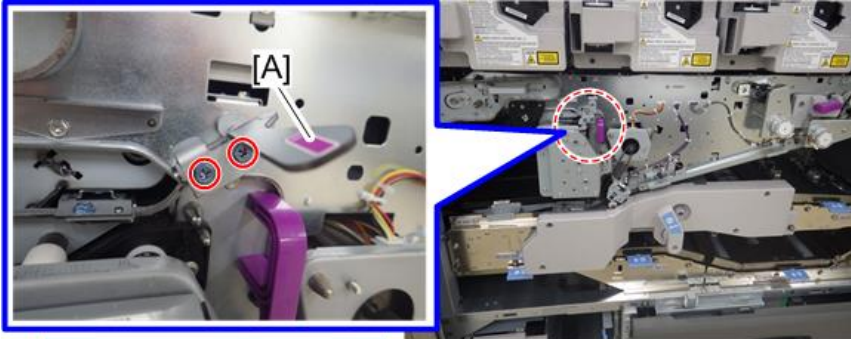
m205z5155

5. Remove the red tag and tape [B] from ITB separation bracket [A].



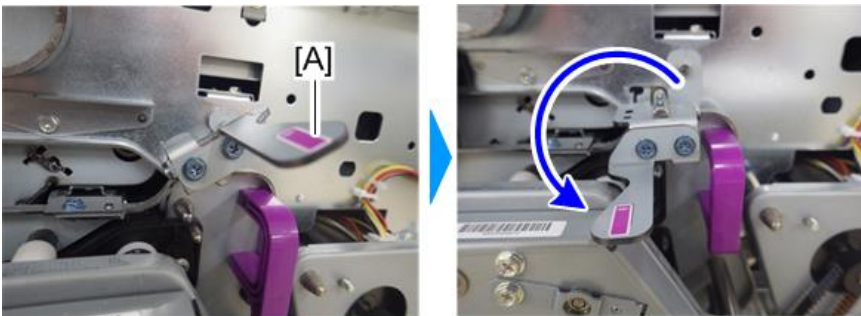
m205a0176

6. Attach the grip [A] removed in Step 2 to the following position. (🔩×2)



m205a0177

7. Turn the grip [A] counterclockwise to bring the ITB unit into contact with the ITB cleaning unit.



m205a0178

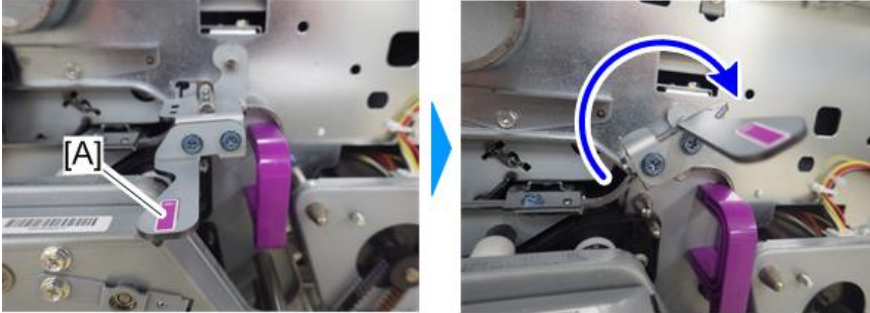
8. Re-attach the inner cover. (🔩×4)
 9. Close the front right/front left door of the right unit and toner supply unit cover.

⬇️ **Note**

- Make sure to remove the grip and retain the ITB separation bracket with tape when moving the unit on its caster or transporting it on a vehicle. See "When moving the machine" below.

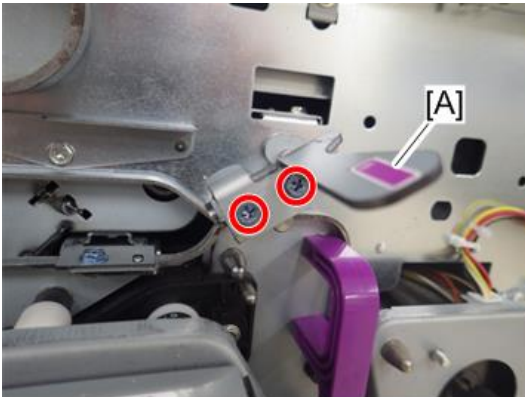
When moving the machine

1. Turn the grip [A] clockwise as shown below to separate the ITB unit from the ITB cleaning unit.



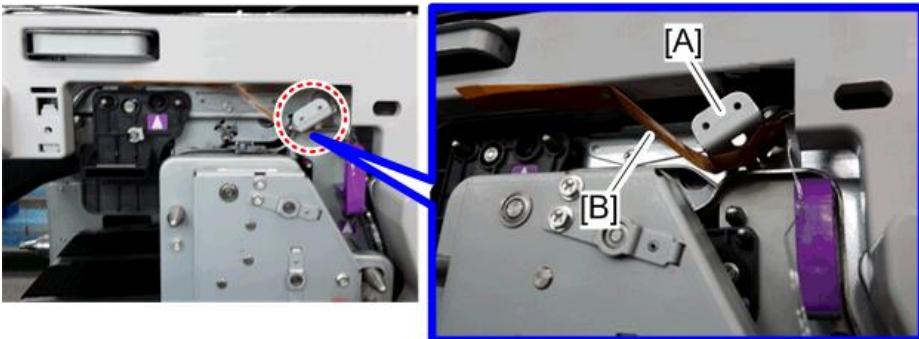
m205a0173

2. Remove the grip [A] and store the grip with the screws in the accessory box beside the waste toner bottle. (🔧 ×2)



m205a0174

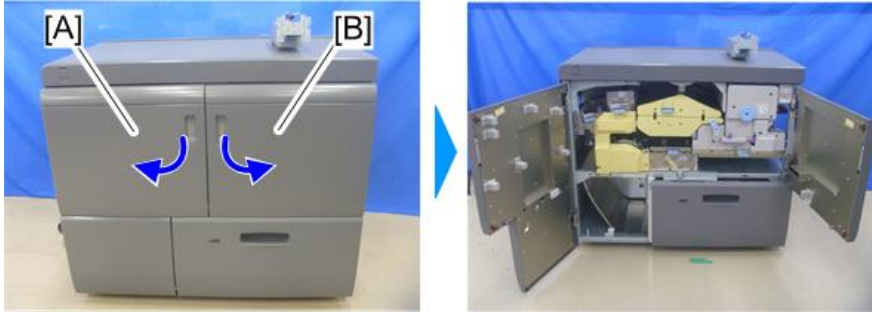
3. Retain the ITB separation bracket [A] with 150 mm tape [B] as shown below.



m205a0175

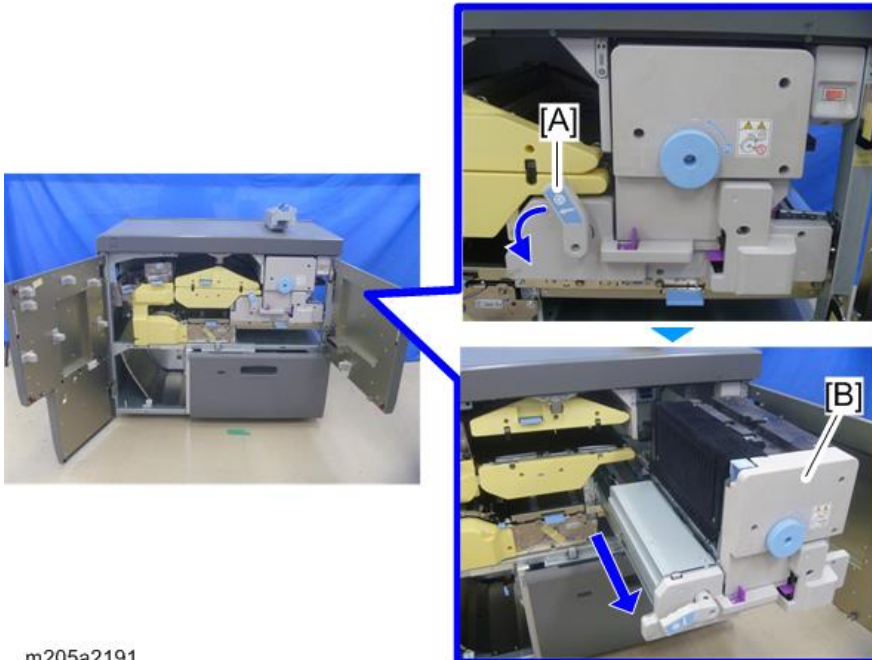
Removing the Supporting Plate from the Fusing Section

1. Open the front doors [A] and [B] of the left (fusing) unit.



m205a2189

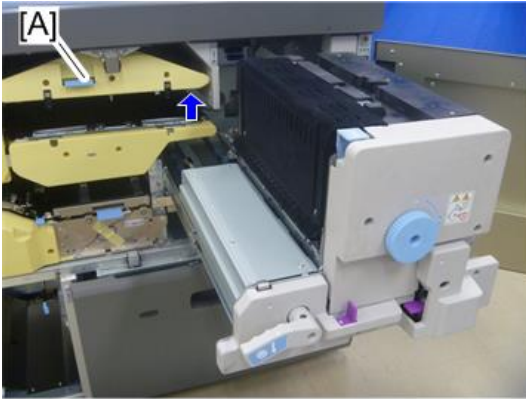
2. Turn the handle [A] of the fuser unit counter-clockwise and pull out the fuser unit [B].



m205a2191

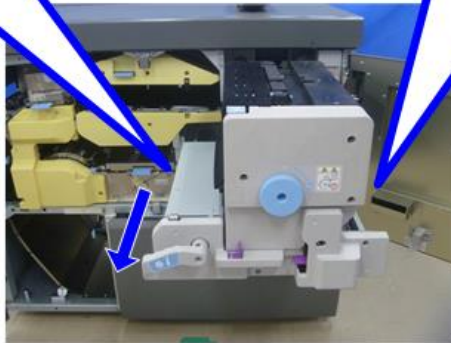
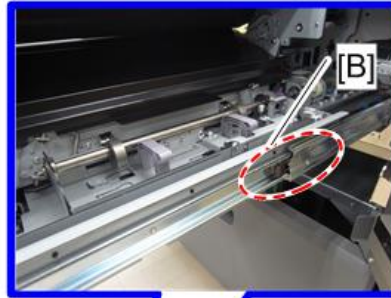
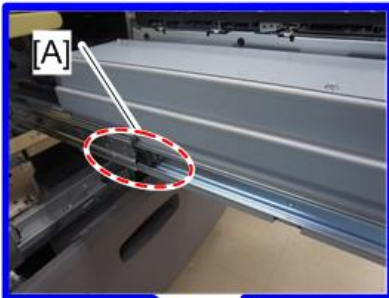
Note

- The paper cooling unit [A] automatically opens when the fuser unit is pulled out. Close the paper cooling unit when putting back the fuser unit.



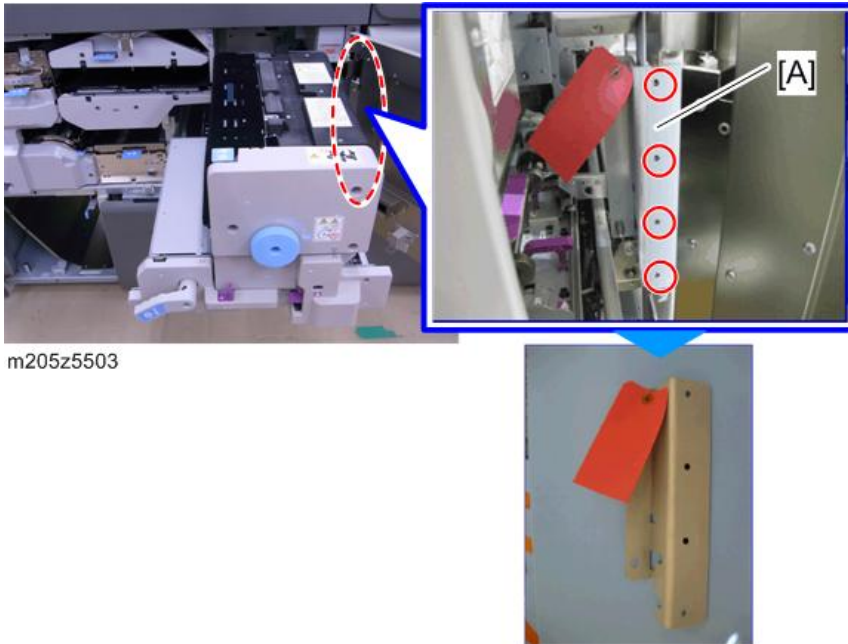
m205a0064

3. Release the locks [A] and [B] and fully pull out the fuser unit.



m205a2192

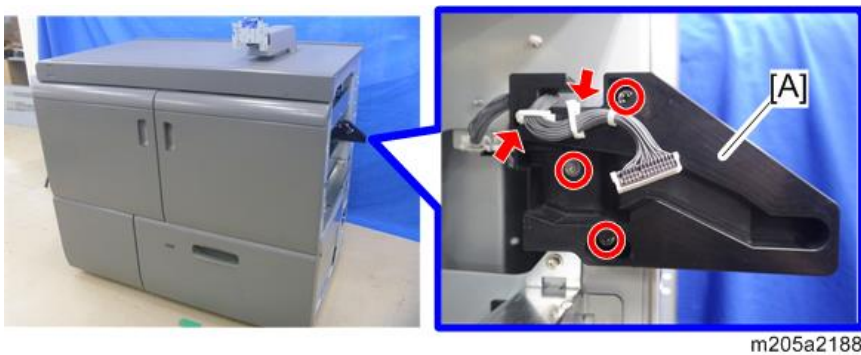
4. Remove the supporting plate [A]. (🔩×4: M4×8)



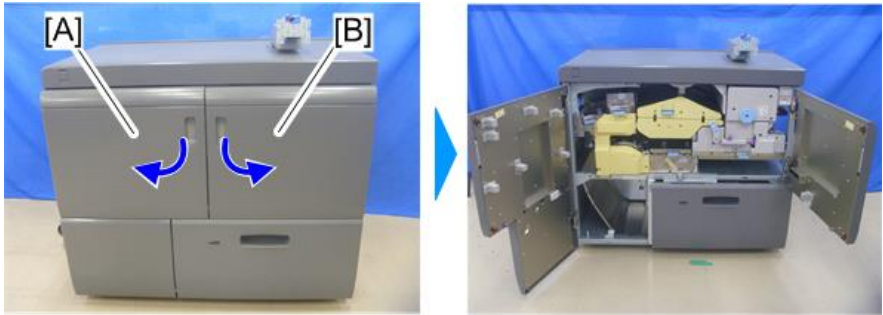
5. Put back the fuser unit, close the paper cooling unit, and close the front doors.

Installing Paper Transport Belt (PTB) Unit

1. Install guide plate [A] to the fusing section. (🔩×2, 🛡️×3: 4×8: blue hex-head screws, rounded-tip)

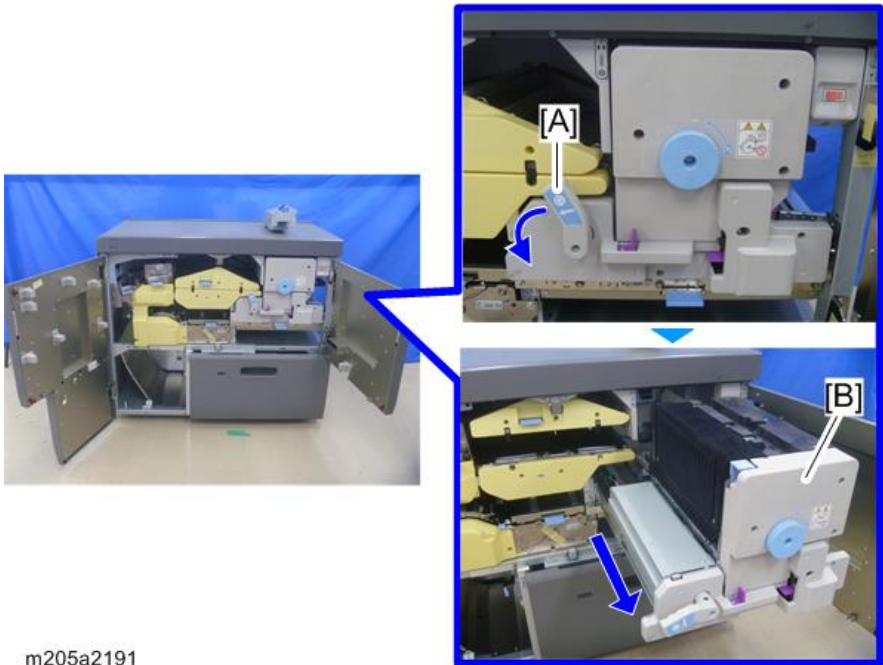


2. Open the front left door [A] and front right door [B] of the fusing section.



m205a2189

3. Rotate handle [A] of the fuser unit counter-clockwise and pull out the fuser unit [B].



m205a2191

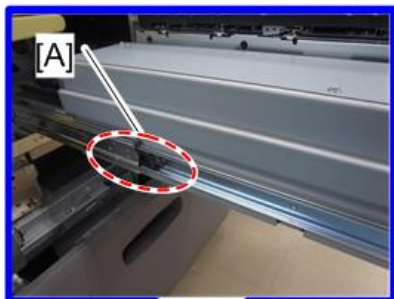
Note

- The paper cooling unit [A] automatically opens when you withdraw the fuser unit. When you set back the fuser unit, do not forget to close the paper cooling unit.



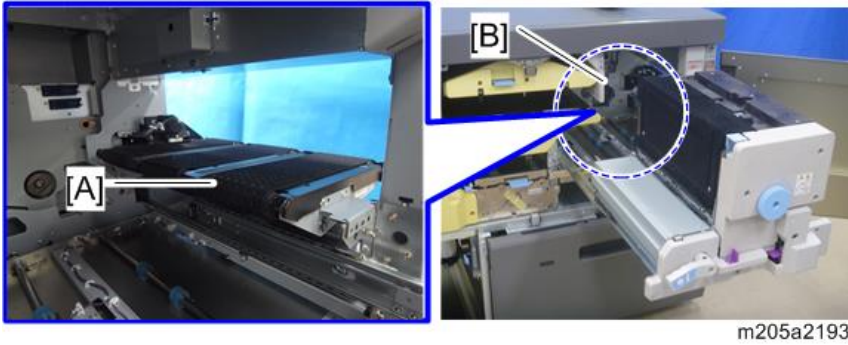
m205a0064

4. Pull out the fuser unit more by holding the pawls [A] and [B] on the guide rail down.



m205a2192

5. Put paper transport belt (PTB) unit [A] into the space [B] from the left side of the fuser unit.

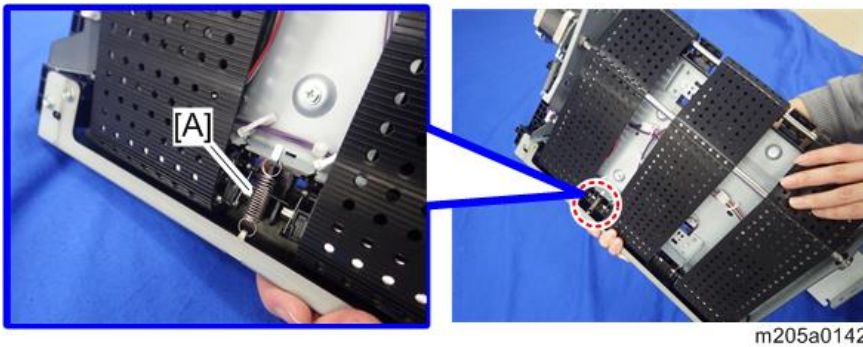


↓ Note

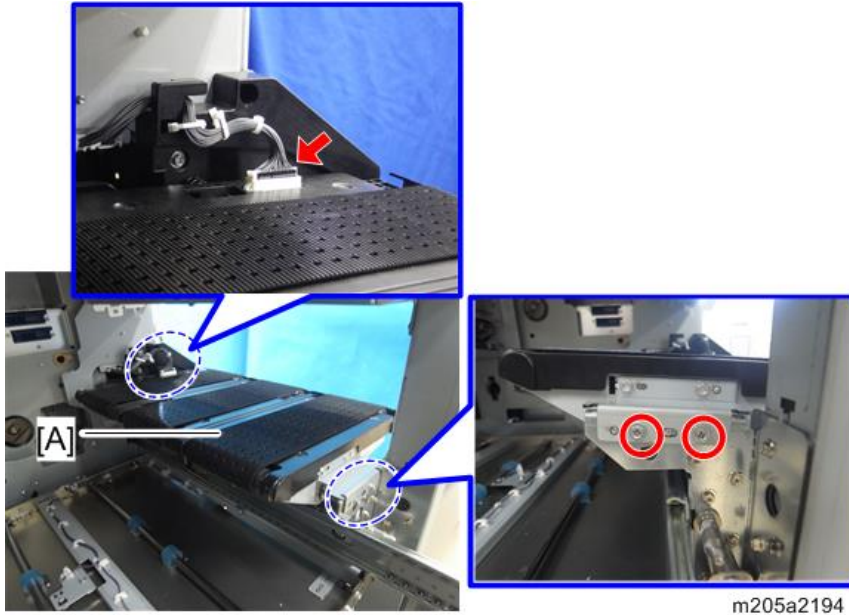
- Insert the positioning pin [A] of paper transport belt (PTB) unit into the hole [B] of the main machine.



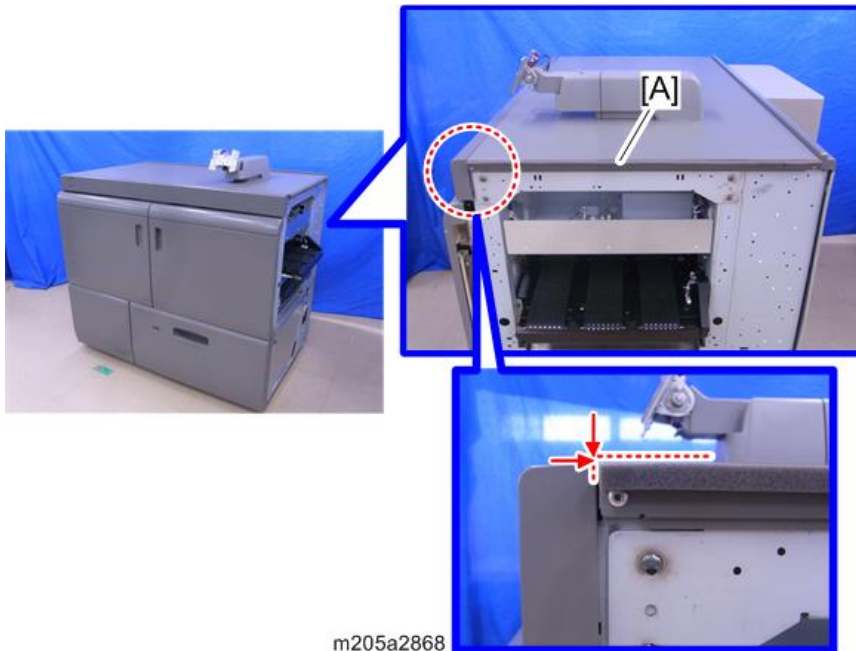
- When holding the paper transport belt (PTB) unit, be careful not to remove the spring [A] on the underside of the unit.



6. Secure the front side of the paper transport belt (PTB) unit [A] and connect the connector at the rear. (📦 ×1, 🌀 ×2: M4×6: hex-head screws)

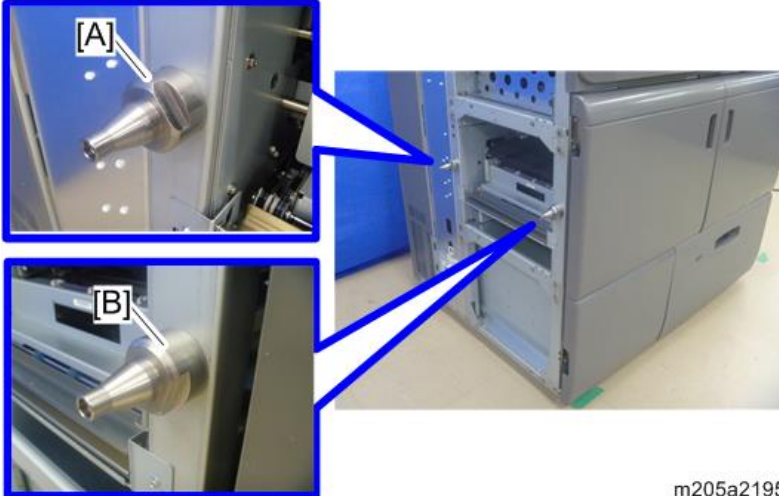


7. Set back the fuser unit, paper cooling unit, and the front right/front left door of the fusing section.
8. Attach the sponge strip [A] as shown below.



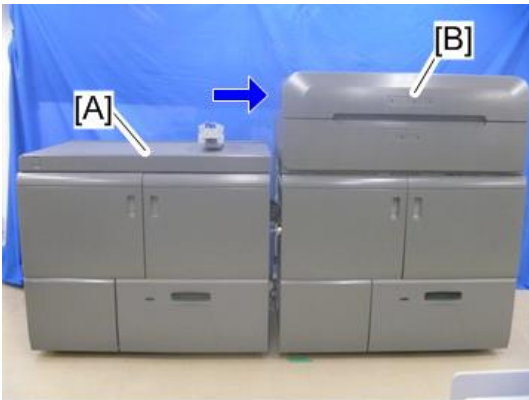
Docking the Right Unit (Imaging Section) and Left Unit (Fusing Section)

1. Install the positioning pins [A] and [B] by hand on the left side of the imaging section.



m205a2195

2. Bring the fusing section [A] close to the imaging section [B].

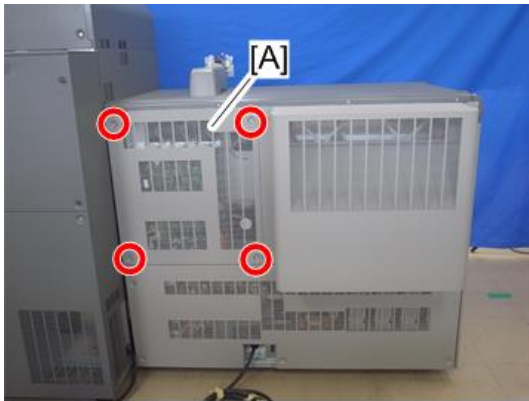


m205a2202

Note

- Be careful of paper transport belt (PTB) unit of the fusing section hitting the imaging section.

3. Remove the rear upper left cover [A] of the fusing section. (🔩×4)



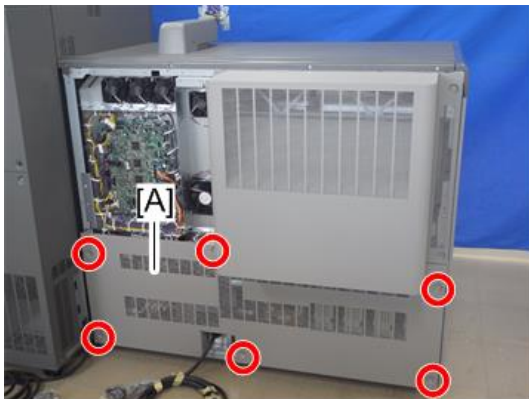
m205a2198

4. Remove the two fixing screws of duct cover [A] of the fusing section. (🔩×2)



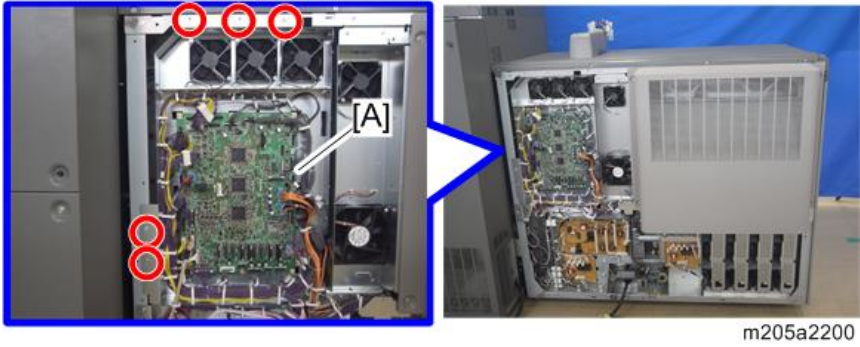
m205a2226

5. Remove the rear lower cover [A] of the fusing section. (🔩×6)

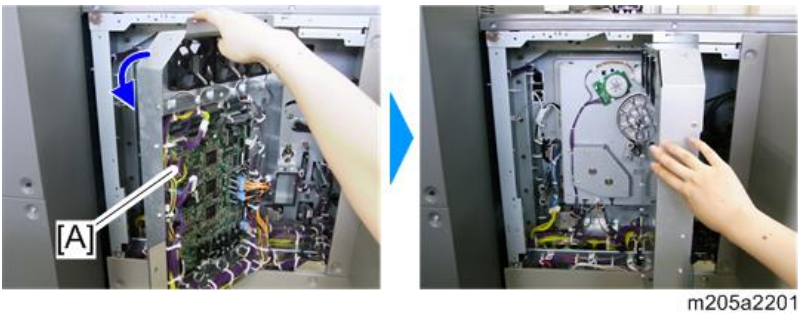


m205a2199

6. Remove the five fixing screws of IOB bracket [A] on the rear of the fusing section. (🔩×5)



7. Open IOB bracket [A].



8. Remove the toner supply rear cover [A]. (🔩×6)



9. Remove the fixing screws of the rear box [A]. (⚙️ ×4)



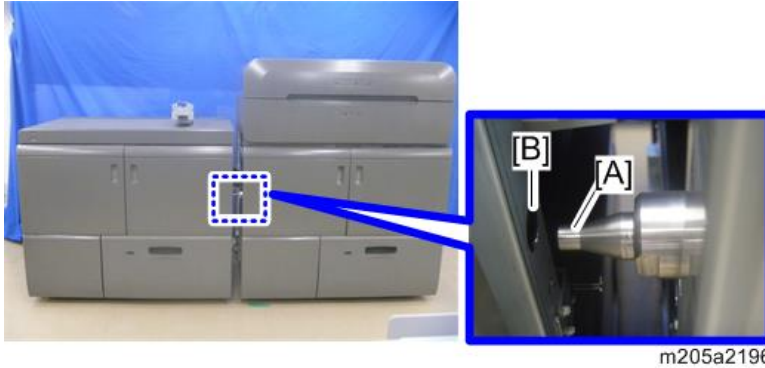
m205a2234

10. Open the rear box [A] as shown below.



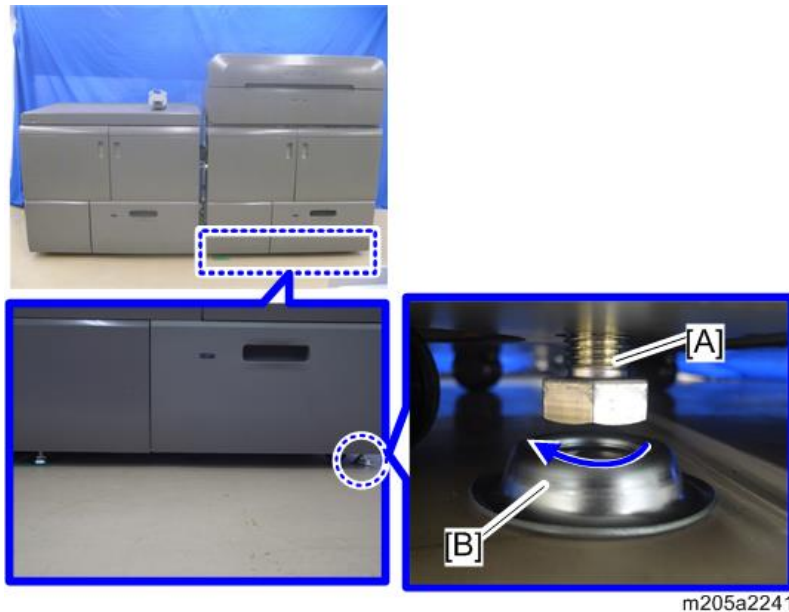
m205a2255

11. Confirm that the height of the positioning pin [A] of the imaging section is at the same height as the hole [B] of the fusing section.



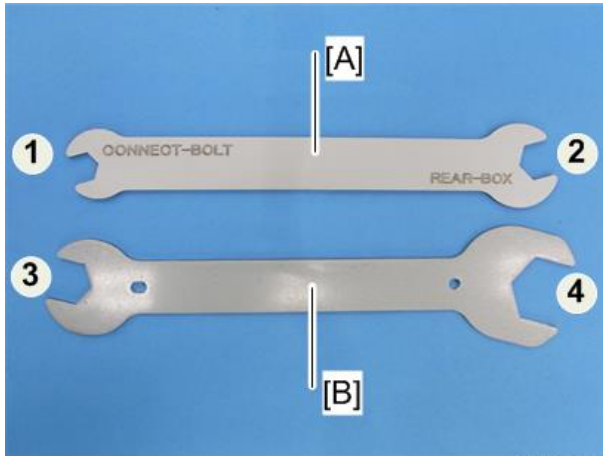
12. If the height is not the same, do steps 13-15 and adjust the height of the lower unit.
13. Place the four shoes [B] under each leveling bolts [A] of the lower unit.
14. Continue to turn the nut until the leveling bolt [A] reaches the shoe [B]. (Use the large diameter side of the wrench (hexagon head bolt: 13-17))

Example below: front side of the imaging section



Note

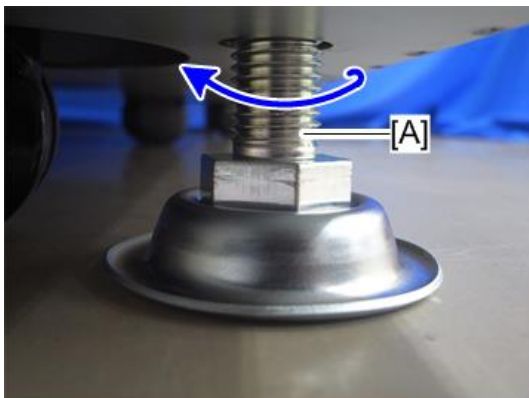
- Two types of wrench are provided with the main machine. Use the proper wrench depends on the purpose.



m205z5189

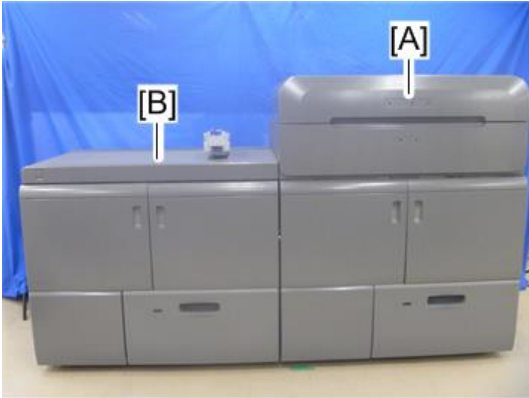
	Name	Description
A	Wrench (hexagon head bolt: 13-17)	<p>① Small diameter side: Use to fasten the M8 bolts when securing main machine (right unit and left unit).</p> <p>② Large diameter side: Use to adjust the casters of rear box.</p>
B	Wrench (hexagon head bolt)	<p>③ Small diameter side: Use to adjust the leveling bolts of option units.</p> <p>④ Large diameter side: Use to adjust the leveling bolts of the main machine (right unit and left unit).</p>

15. Adjust the height of each leveling bolt [A] until the positioning pin of the imaging section and the hole of the fusing section is level.



m205a2229

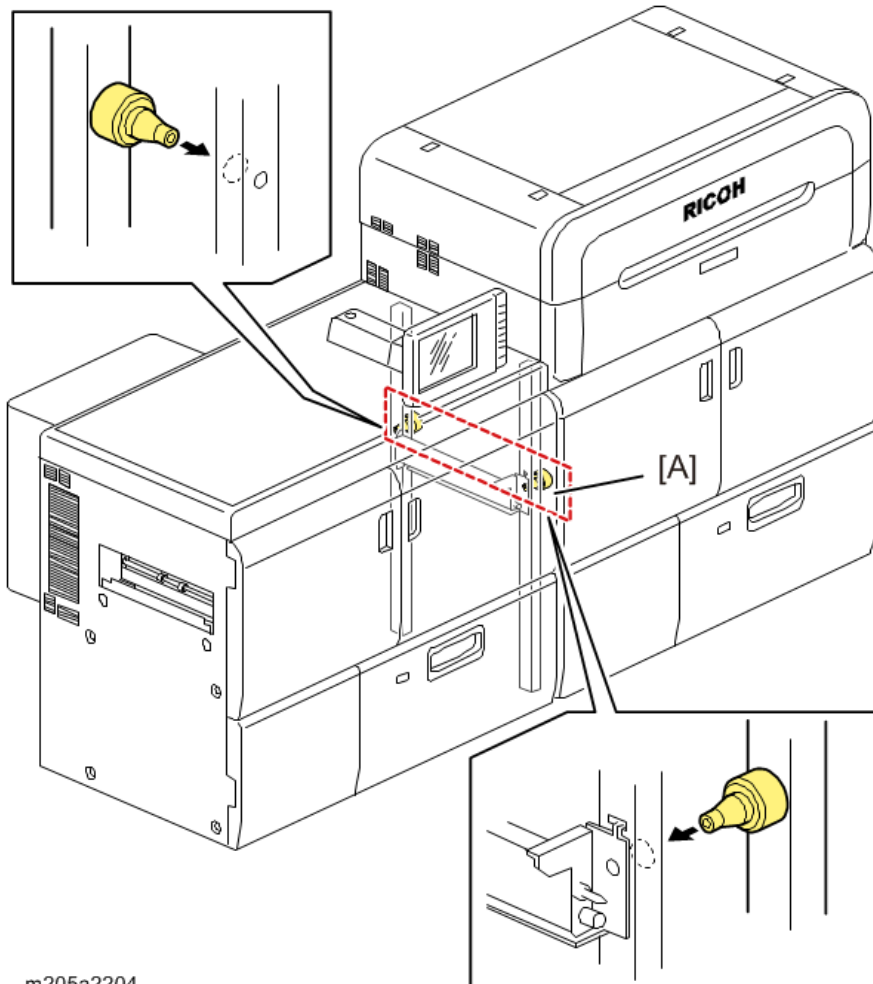
16. Move the unit whose height was not adjusted with the leveling bolt and dock the imaging section [A] and fusing section [B].



m205a2205

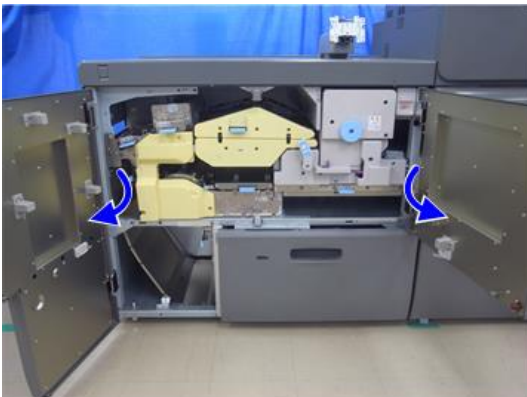
Note

- See the connected part [A] of the imaging section and the fusing section. Confirm that the positioning pin is inserted into the hole of the fusing section.



m205a2204

17. Open the front right door and front left door of the imaging section.



m205a2206

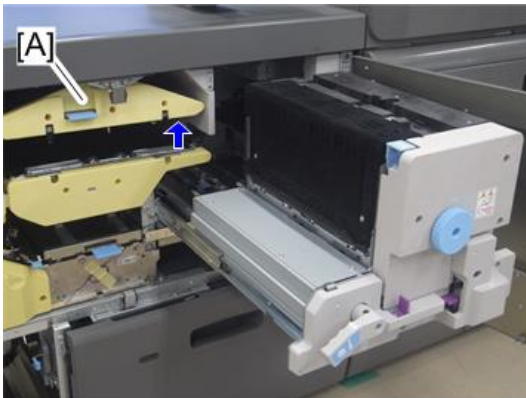
18. Rotate handle [A] of the fuser unit counter-clockwise and pull out the fuser unit [B].



m205a2208

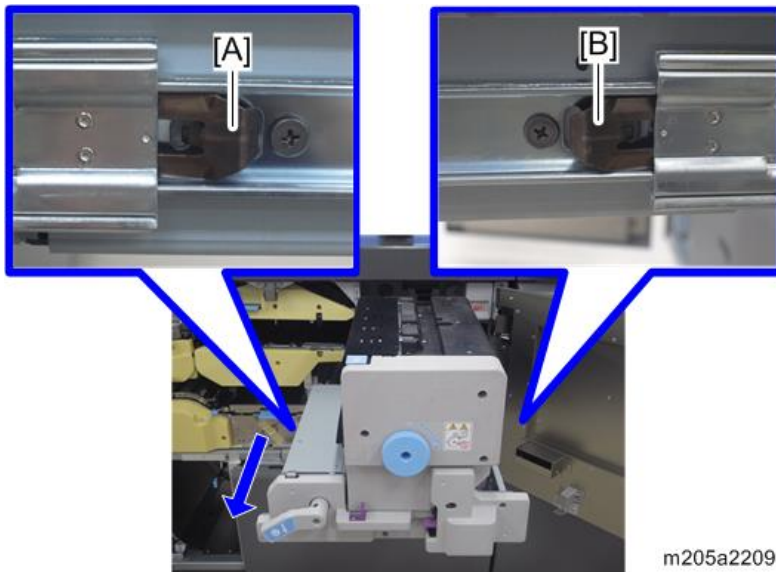
Note

- The paper cooling unit [A] automatically opens when you withdraw the fuser unit. When you set back the fuser unit, do not forget to close the paper cooling unit.

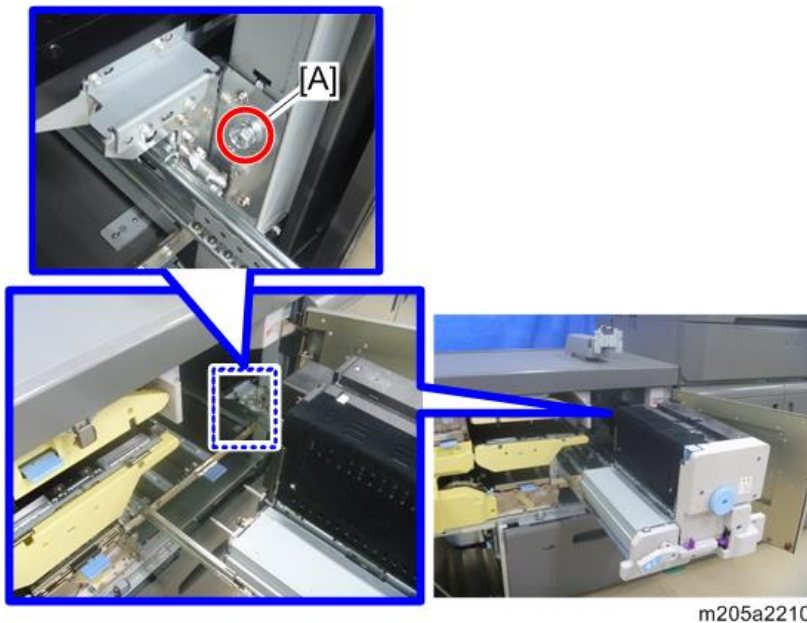


m205a0065

19. Pull out the fuser unit more by holding the pawls [A] and [B] on the guide rail down.

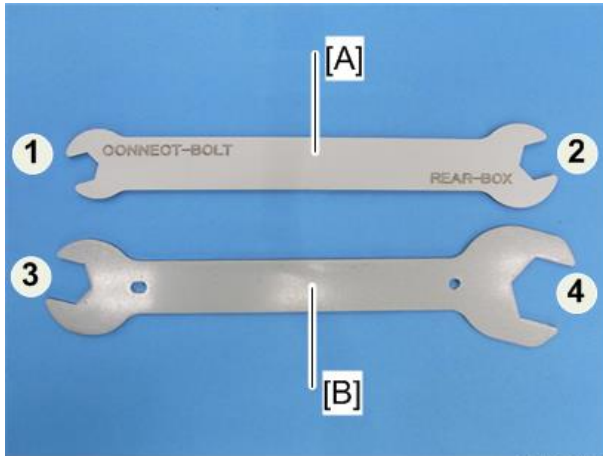


20. Secure the imaging section and fusing section with M8 bolt [A]. (🔑×1: M8×16) Use the small diameter side of the wrench (hexagon head bolt: 13-17).



↓ Note

- Two types of wrench are provided with the main machine. Use the proper wrench depends on the purpose.



m205z5189

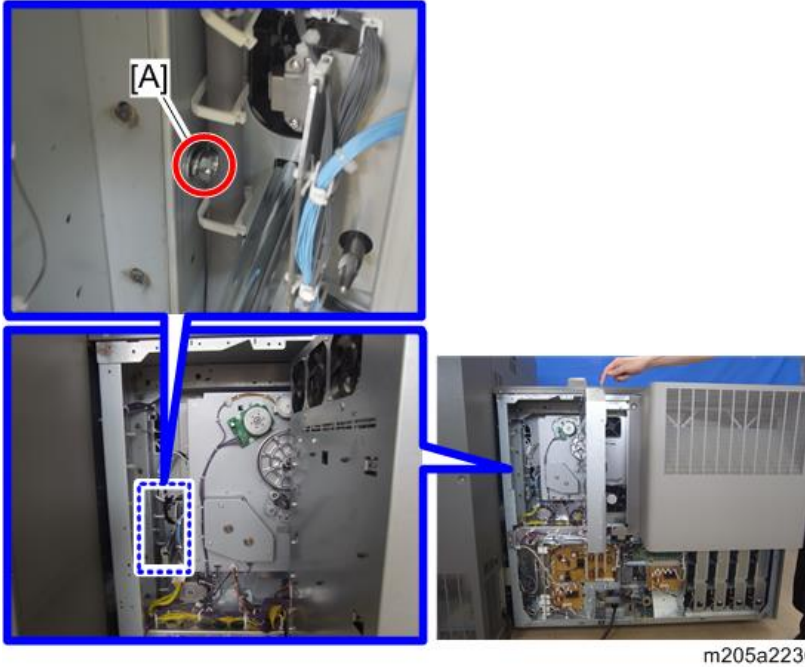
	Name	Description
A	Wrench (hexagon head bolt: 13-17)	<p>① Small diameter side: Use to fasten the M8 bolts when securing main machine (right unit and left unit).</p> <p>② Large diameter side: Use to adjust the casters of rear box.</p>
B	Wrench (hexagon head bolt)	<p>③ Small diameter side: Use to adjust the leveling bolts of option units.</p> <p>④ Large diameter side: Use to adjust the leveling bolts of the main machine (right unit and left unit).</p>

- "CONNECT-BOLT" is engraved on the small diameter side of the wrench (hexagon head bolt: 13-17).
- Do not tighten the bolt too much. Tighten the bolt until there is no space between the washer and the bolt, as shown below. Furthermore tightening, the bolt may break the screw.



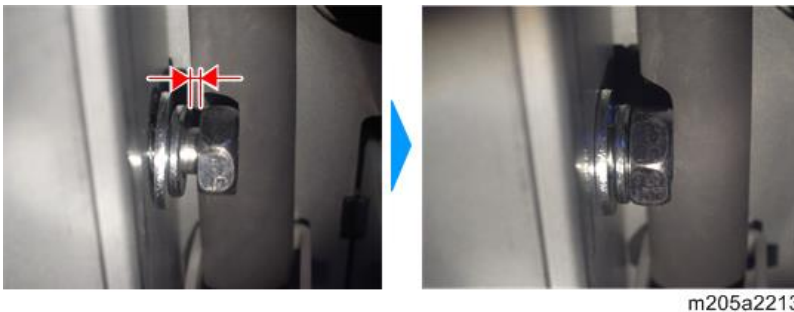
m205a2211

21. Set back the fuser unit, paper cooling unit, and the front right/front left door of the fusing section.
22. Secure the imaging section and fusing section from the rear with M8 bolt [A]. (🔑×1: M8×16) Use the small diameter side of the wrench (hexagon head bolt: 13-17).



⬇ Note

- Do not tighten the bolt too much. Tighten the bolt until there is no space between the washer and the bolt, as shown below. Furthermore tightening, the bolt may break the screw.

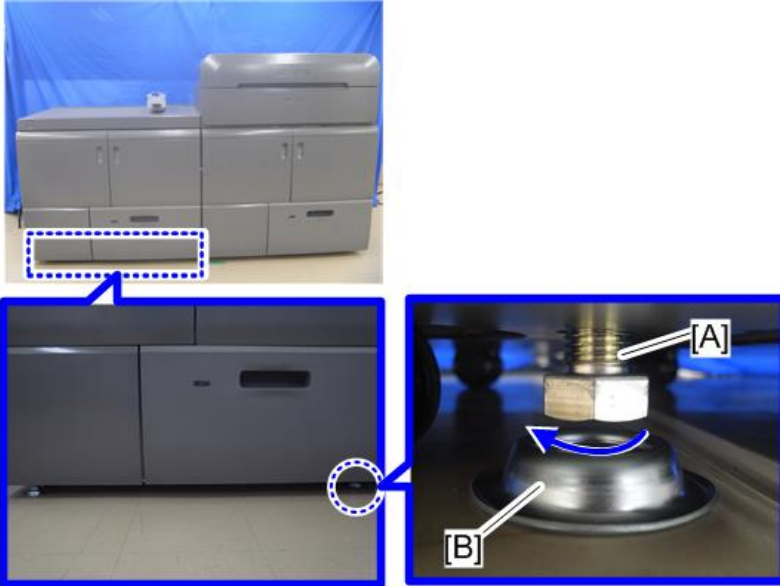


23. Re-attach the IOB bracket. (🔑×5)

Machine Level Adjustment

1. Place eight shoes [B] under each leveling bolts [A] of the imaging section and the fusing section.
2. Continue to turn the nut until the leveling bolt [A] reaches the shoe [B]. (Use the large diameter side of the wrench (hexagon head bolt))

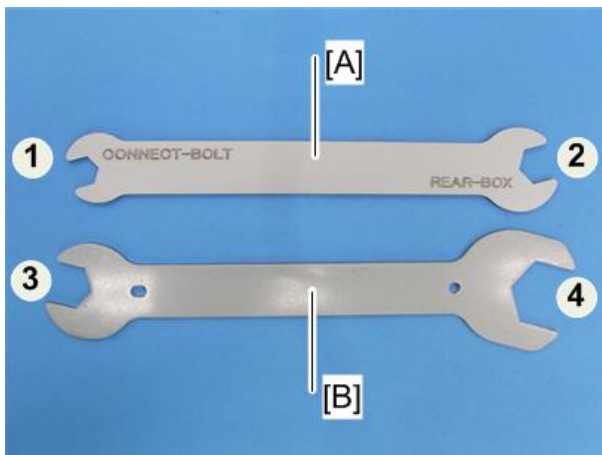
Example below: front side of the fusing section



m205a2242

↓ Note

- Two types of wrench are provided with the main machine. Use the proper wrench depends on the purpose.



m205z5189

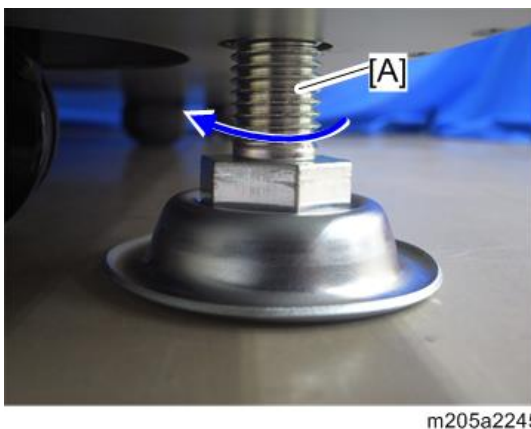
	Name	Description
A	Wrench (hexagon head bolt: 13-17)	① Small diameter side: Use to fasten the M8 bolts when securing main machine (right unit and left unit). ② Large diameter side: Use to adjust the casters of rear box.
B	Wrench (hexagon head bolt)	③ Small diameter side: Use to adjust the leveling bolts of option units. ④ Large diameter side: Use to adjust the leveling bolts of the main machine (right unit and left unit).

3. Open the front left door [A] of the imaging section and place a level [B] as shown below.



- [C]: 5.0 mm

4. Adjust the height of the each leveling bolt [A] to level the unit (front and rear) within the specification ($\pm 1.0\text{mm}/1000\text{mm}$).



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

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

5. Open the front left door [A] of the imaging section and place a level [B] as shown below.



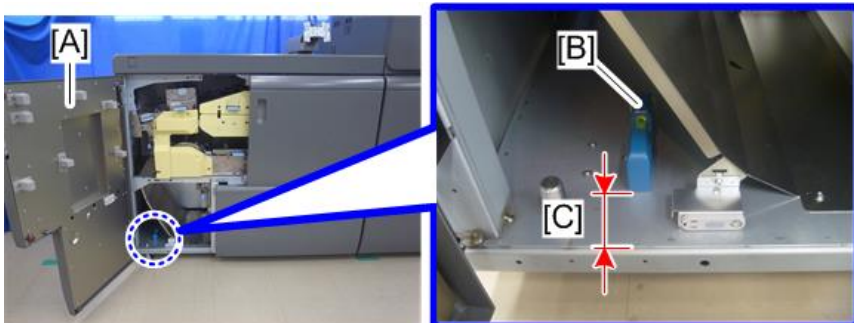
m205a2232

- [C]: 5.0 mm

6. Adjust the height of the each leveling bolt [A] to level the unit (left and right) within the specification ($\pm 0.5\text{mm}/1000\text{mm}$).

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

7. Open the front left door [A] of the fusing section and set a level [B] as shown below.



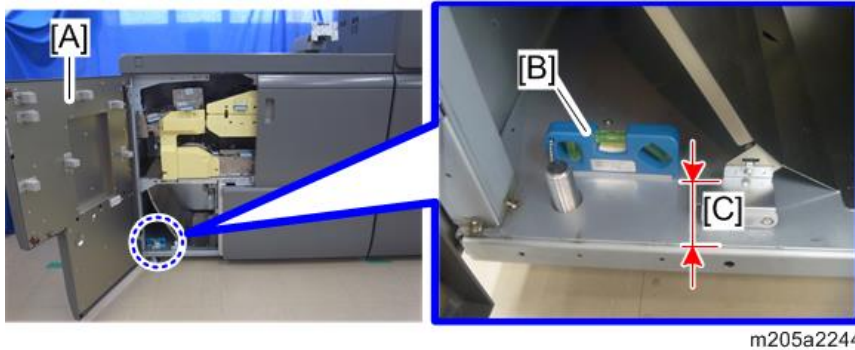
m205a2243

- [C]: 5.0 mm

8. Adjust the height of the each leveling bolt to level the unit (front and rear) within the specification ($\pm 1.0\text{mm}/1000\text{mm}$).

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

9. Open the front left door [A] of the fusing section and set a level [B] as shown below.

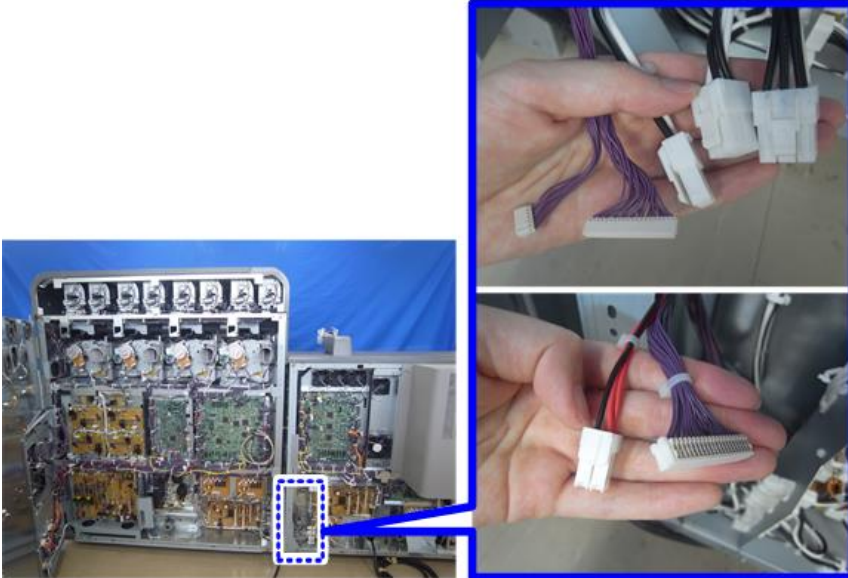


- [C]: 5.0 mm
10. Adjust the height of the each leveling bolt to level the unit (left and right) within the specification ($\pm 0.5\text{mm}/1000\text{mm}$).
- When the right side is lower: Lower the nuts of the right side of the unit (front and rear) to lift the right side of the unit.
 - When the left side is lower: Lower the nuts of the left side of the unit (front and rear) to lift the left side of the unit.
11. Do Steps 3-6 and check the level of the imaging section again.
12. Close the front left door of the imaging section/fusing section.

Connecting Connectors (Between Imaging Section and Fusing Section)

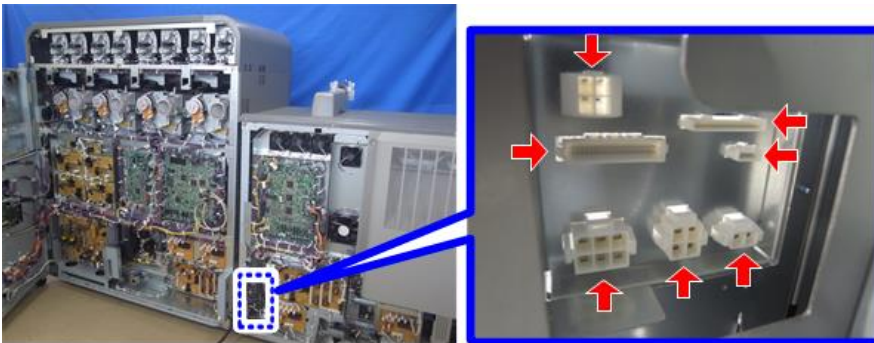
1. Check that the seven harnesses shown below reside on the rear side of the fusing section.

2



m205a2218

2. Connect the harnesses that you checked in Step 1 to the panel mount on the imaging section shown below. (📦 x7)



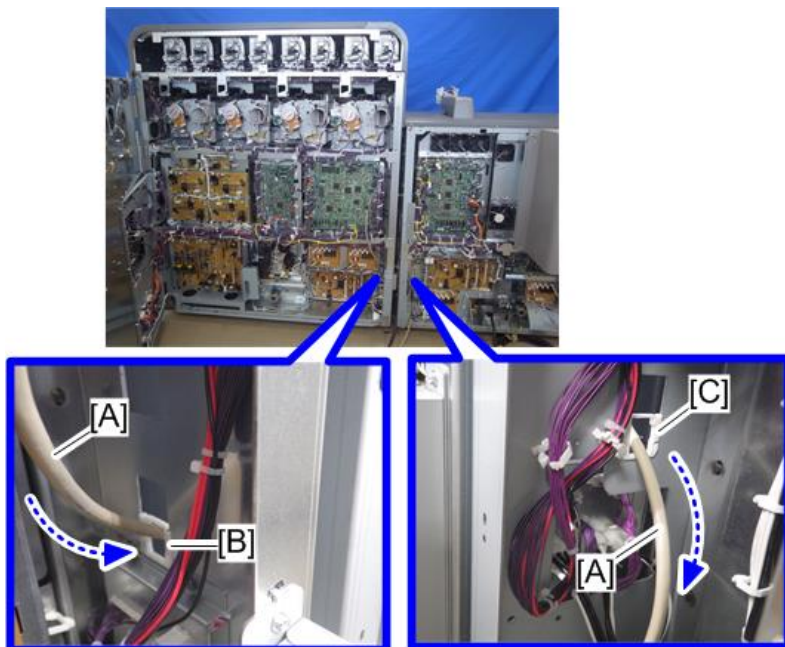
m205a2219

3. Unlock the clamp and release the connector [A]. (🔧×1)



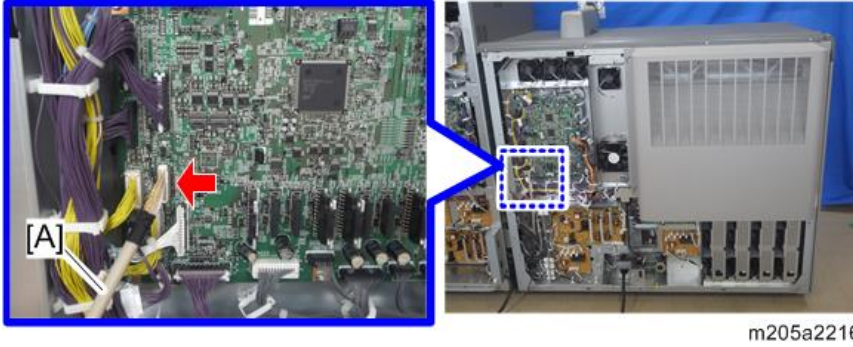
m205a0166

4. Route the connector [A] released in Step 3 through the hole [B] in the Right (imaging) unit to the hole [C] in the left (fusing) unit.

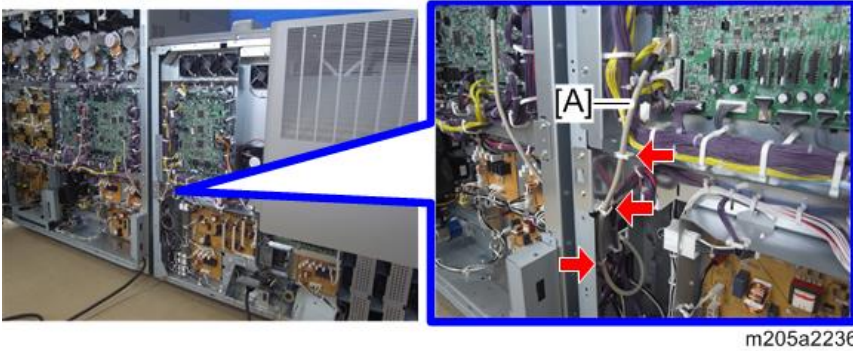


m205a0167

5. Connect the connector [A] that you inserted through a hole at the fusing section to the IOB2 board. (📦 ×1)



6. Clamp the connector [A] that you connected in Step 5 as shown below. (🔧 ×3)



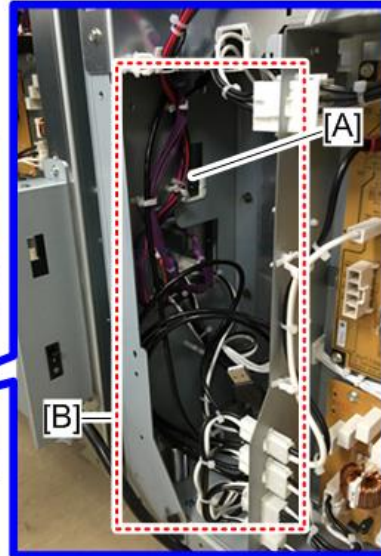
7. Make sure the operation panel cables [A] are bundled and set inside the space [B].

The following two cables for the operation panel are bound together.

- USB cable (black color)
- Power supply harness (red/black color)



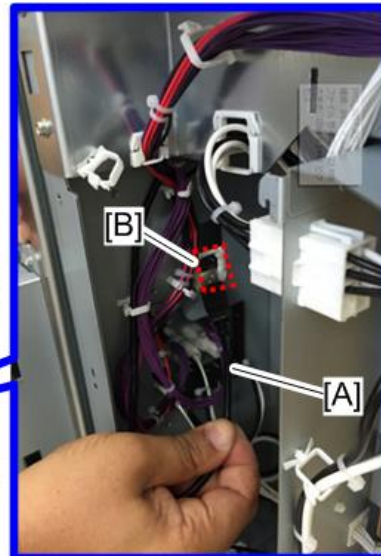
m205a0168



8. Route the operation panel cable [A] through the hole [B] in the left (fusing unit) to the right (imaging) unit.

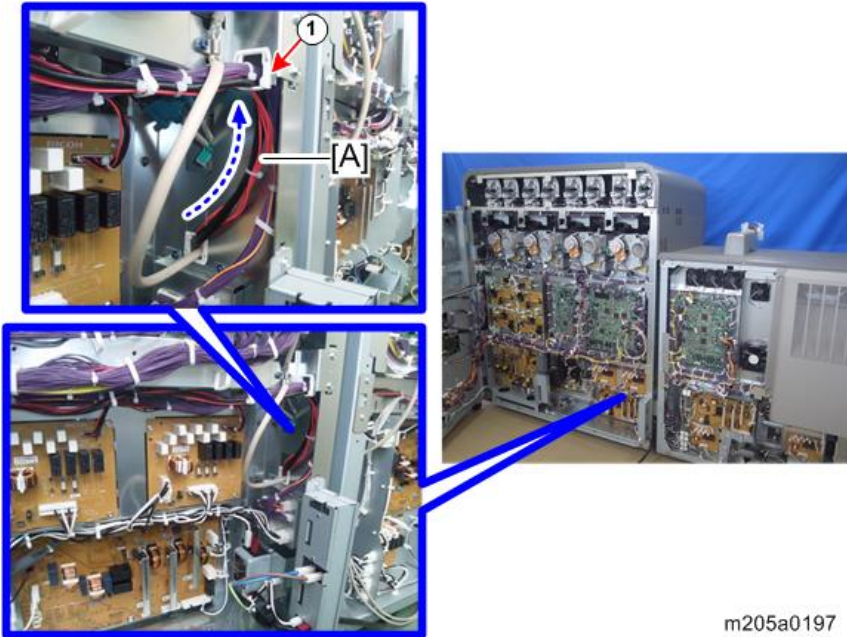


m205a0169



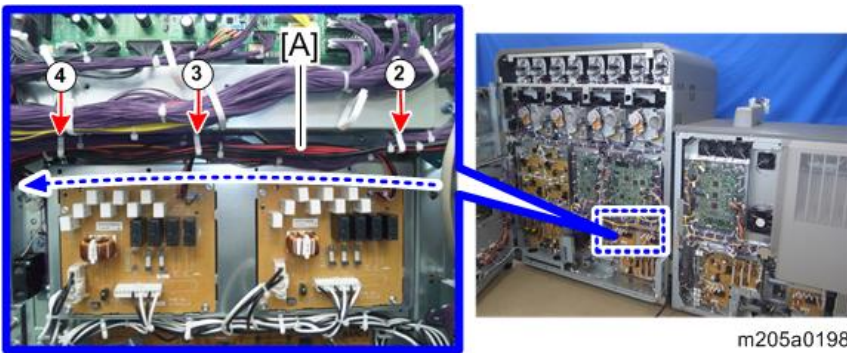
9. Route the operation panel cable through the eleven clamps (① to ⑪) and lock the clamps. (🔧x11)

1. Fix the operation panel cable [A] with clamp ①.



m205a0197

2. Fix the operation panel cable [A] with clamps ②③④.



m205a0198

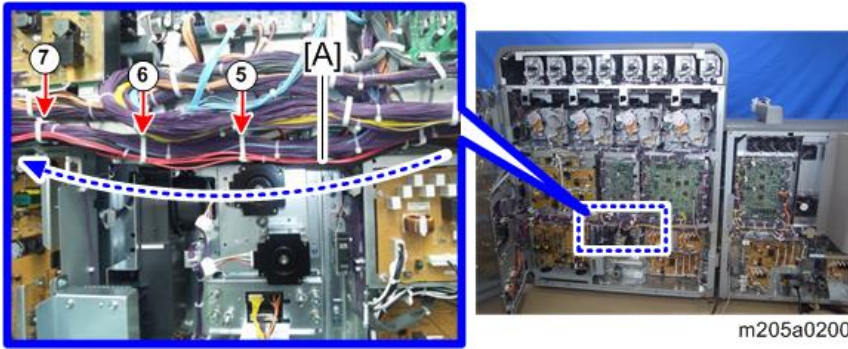
Note

- Fix the cable between two binds [A] with clamp ②.

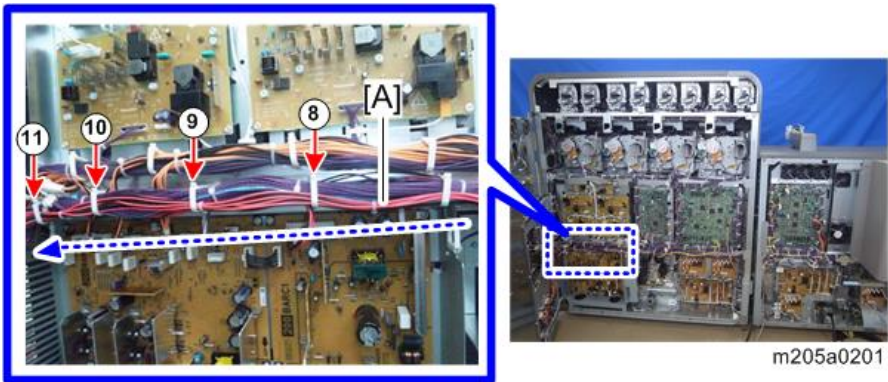


m205a0199

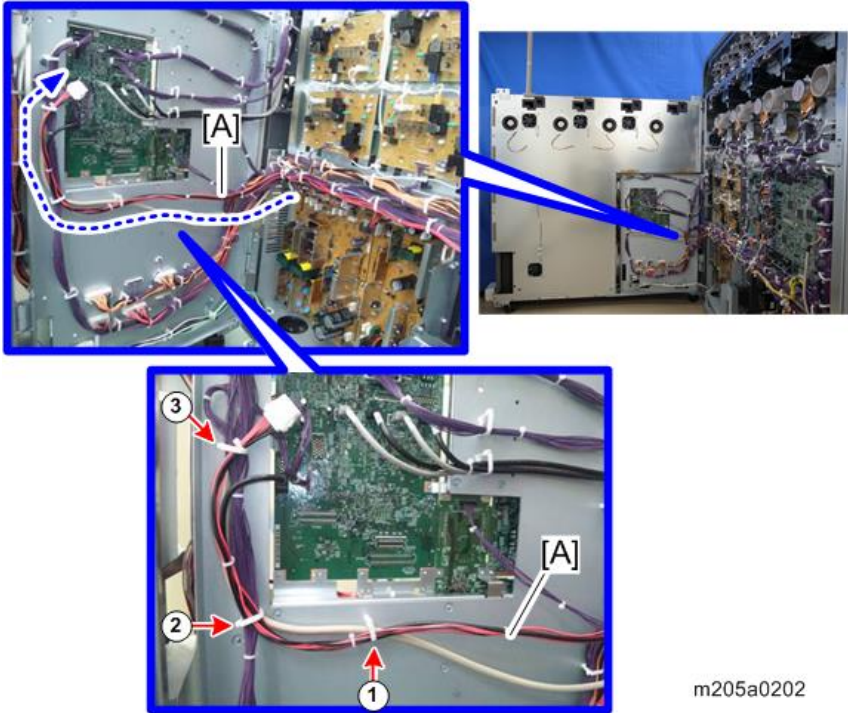
3. Fix the operation panel cable [A] with clamps ⑤⑥⑦.



4. Fix the operation panel cable [A] with clamps ⑧⑨⑩⑪.



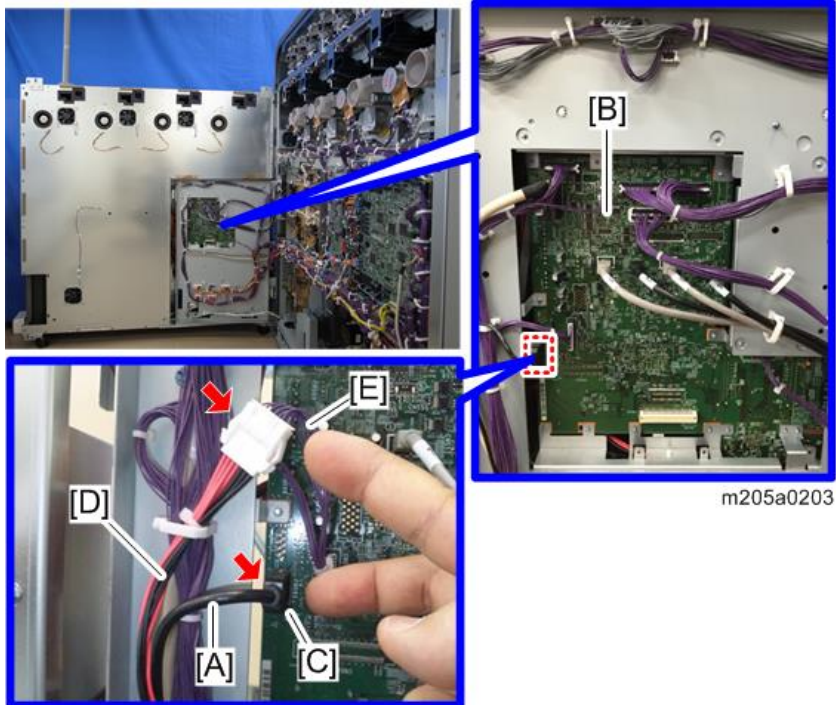
10. Route the operation panel cable [A] through clamps ①-③. (🔧×3)



m205a0202

11. Connect the operation panel cable to the IPU as shown below.

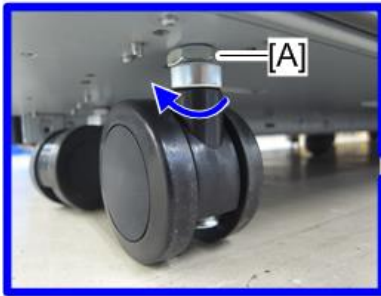
- USB cable (black) [A]: Connect to CN583 [C] of the IPU [B].
- Connect the power supply cable (red/black) [D] to the relay harness [E] of the IPU [B].



12. Attach the rear lower cover and rear upper left cover of the left (fusing) unit. (⚙️×10)
13. Put back the rear box. (⚙️×4)
14. Attach the toner supply rear cover. (⚙️×6)

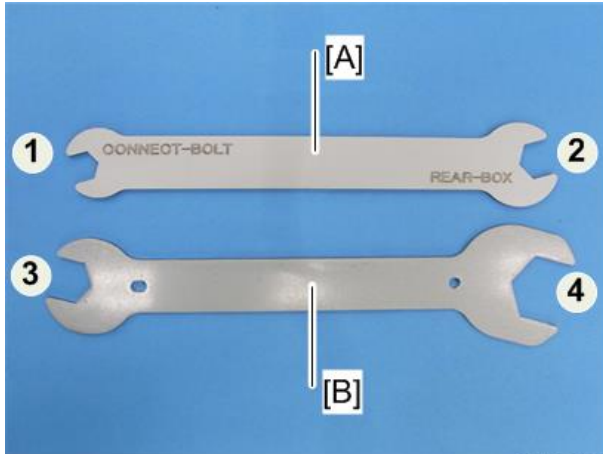
↓ **Note**

- If the height of the rear box and the imaging section are not the same, adjust the height by rotating the screw [A] of casters at each corner. (Use the large diameter side of the wrench (hexagon head bolt: 13-17))
- Example below: rear side



m205a2237

- Two types of wrench are provided with the main machine. Use the proper wrench depends on the purpose.



m205z5189

	Name	Description
A	Wrench (hexagon head bolt: 13-17)	① Small diameter side: Use to fasten the M8 bolts when securing main machine (right unit and left unit). ② Large diameter side: Use to adjust the casters of rear box.

	Name	Description
B	Wrench (hexagon head bolt)	<p>③ Small diameter side: Use to adjust the leveling bolts of option units.</p> <p>④ Large diameter side: Use to adjust the leveling bolts of the main machine (right unit and left unit).</p>

- "REAR-BOX" is engraved on the large diameter side of the wrench (hexagon head bolt: 13-17).

Operation Panel: Standard Installation

↓ Note

- There are two ways to install the operation panel.

1. Standard installation.

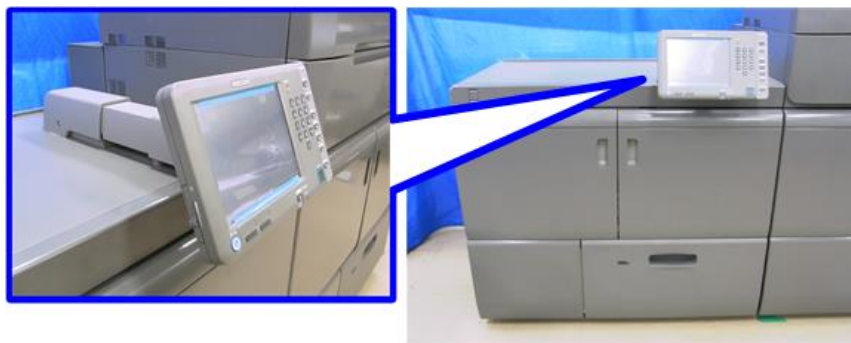
The operation panel position: Operate the machine standing at the front of the machine.



m205a2568

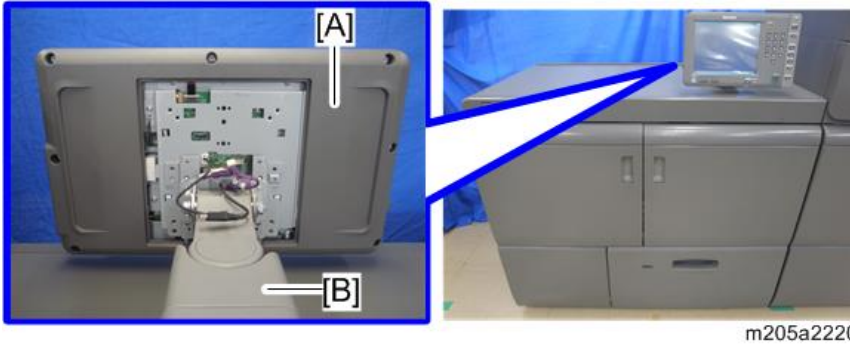
2. Easy access installation.

The operation panel position: Operate the machine from a sitting position.



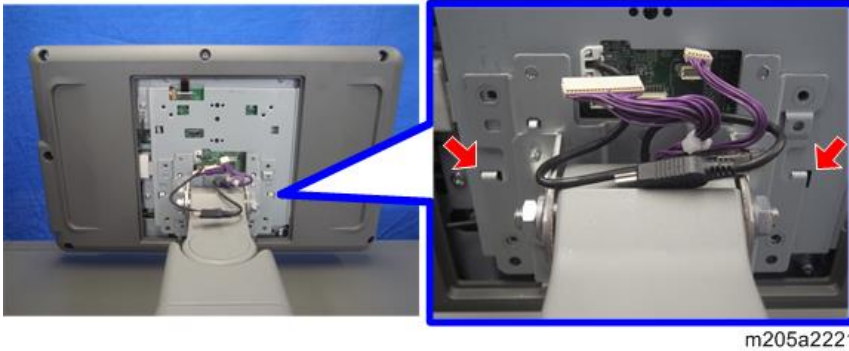
m205a2569

1. Install the operation panel [A] to the operation unit arm [B] of the fusing section.

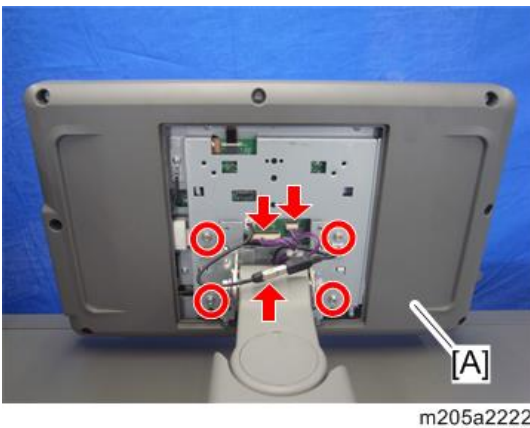


↓ Note

- Hang the pawls (×2) of the operation panel on cutouts (lower side) of operation unit arm.

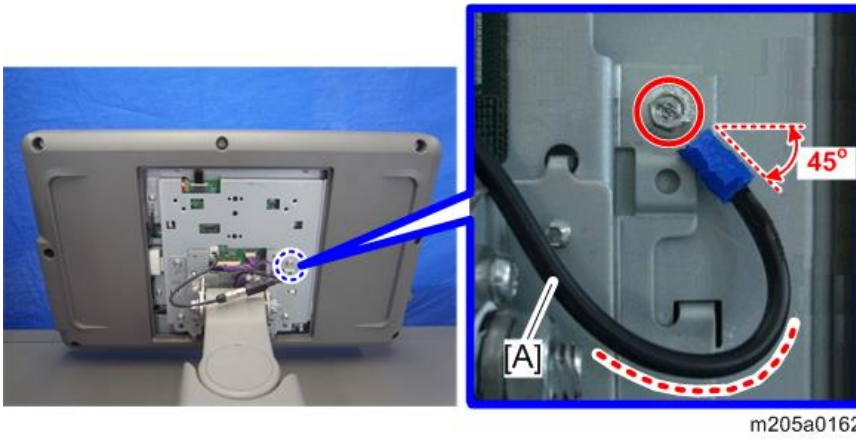


2. Secure the operation panel [A]. (🔩 ×4: M4×6: binding screws, 📦 ×3)

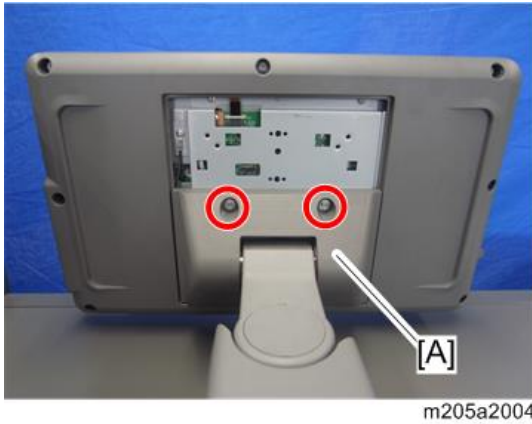


↓ Note

- Fix the ground wire [A] as shown below.



3. Install the rear lower cover [A] of the operation panel. (🔩×2: M4×6: hex-head screws)

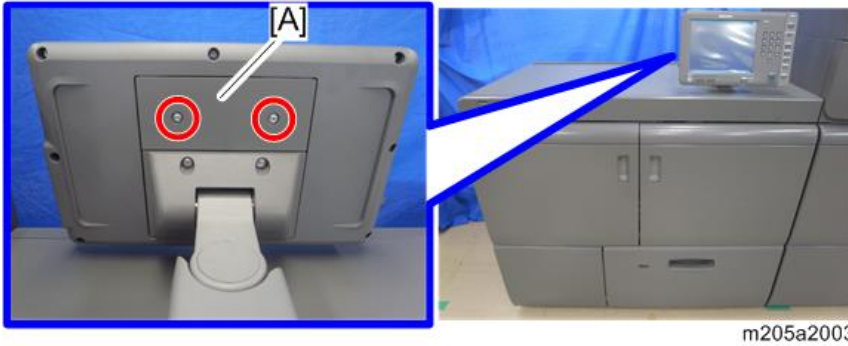


⬇️ **Note**

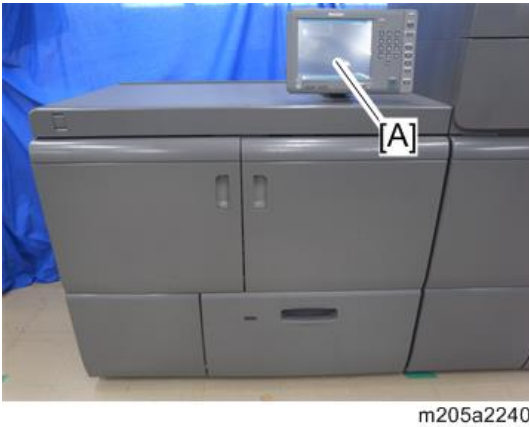
- Hang the lower hole of the operation panel rear cover to the lower pawl [A] of the operation panel.



4. Install rear upper cover [A] of the operation panel. (Ⓜ[Ⓜ] ×2: M4×6: hex-head screws)



5. Peel the protect sheet [A] of the operation panel.



Operation Panel: Easy Access Installation

↓ Note

- There are two ways to install the operation panel.
 1. Standard installation.

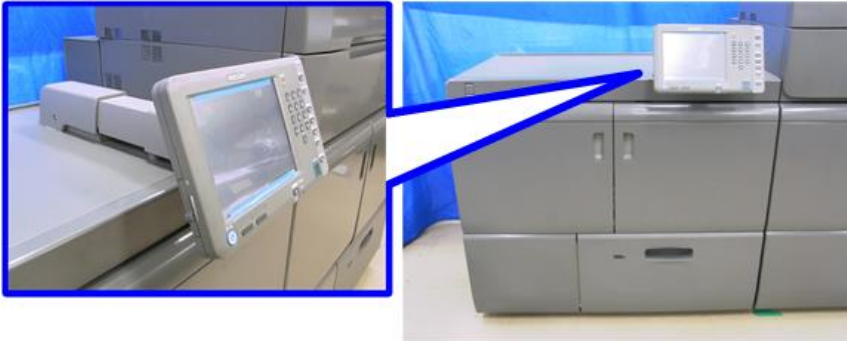
The operation panel position: Operate the machine standing at the front of the machine.



m205a2568

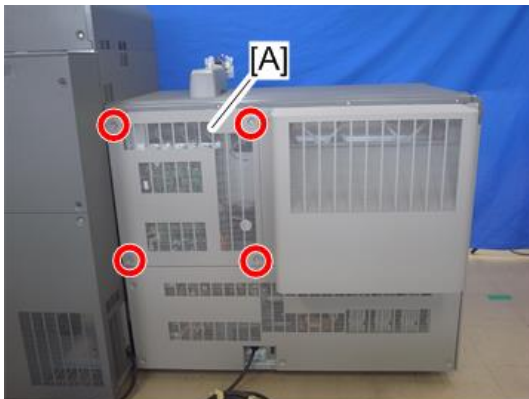
2. Easy access installation.

The operation panel position: Operate the machine from a sitting position.



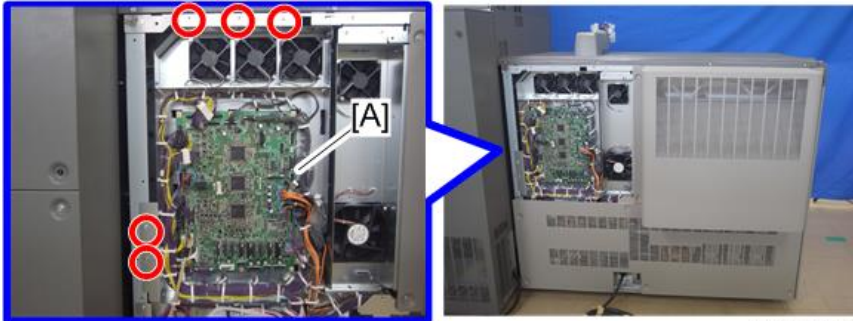
m205a2569

1. Remove the rear upper left cover [A] of the fusing section. (⊙ ×4)



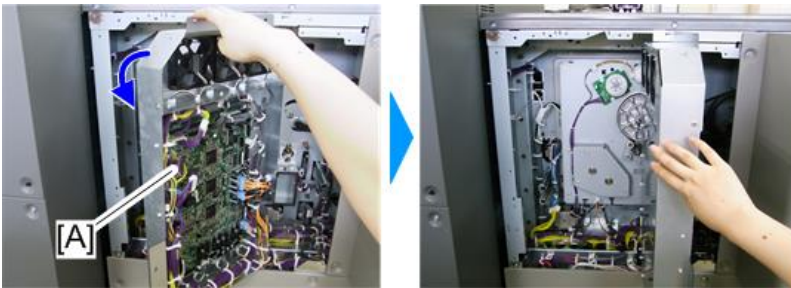
m205a2198

- 2. Remove the five fixing screws of IOB bracket [A] on the rear of the fusing section. (🔑×5)



m205a2571

- 3. Open IOB bracket [A].



m205a2201

- 4. Open the four clams which are fixing operation panel harness.

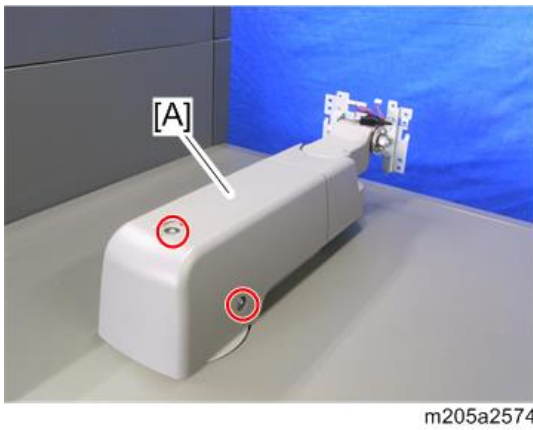


m205a2572

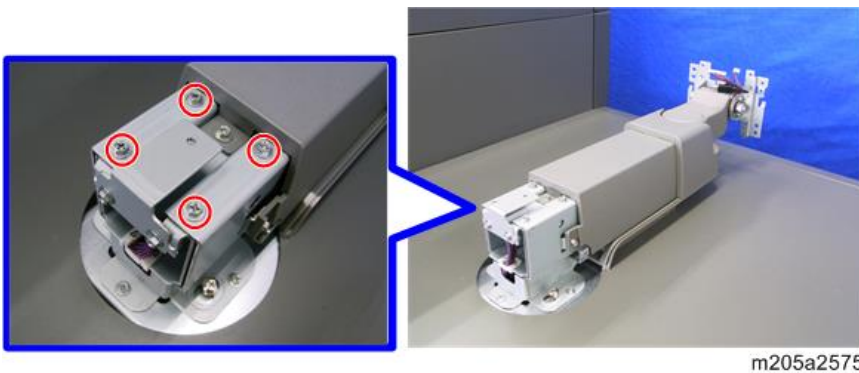
5. Remove the cap [A] from the operation panel arm cover of the fusing section.



6. Remove the operation panel arm cover [A]. (⚙️ ×2)

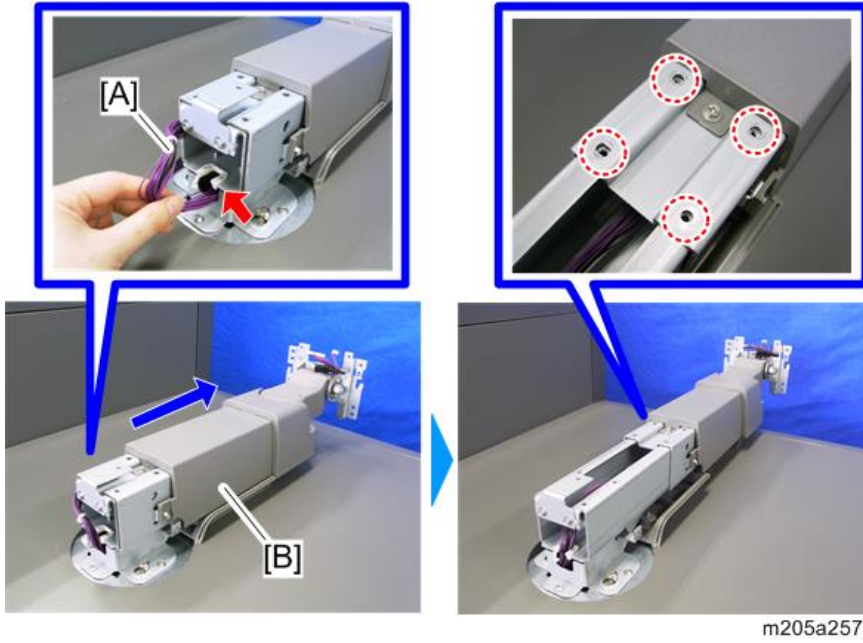


7. Remove the fixing screws from the operation panel arm. (⚙️ ×4)



8. Push the operation panel arm [B] forward while pulling the operation panel harness [A] out of the machine with your other hand. (⚙️ ×1)

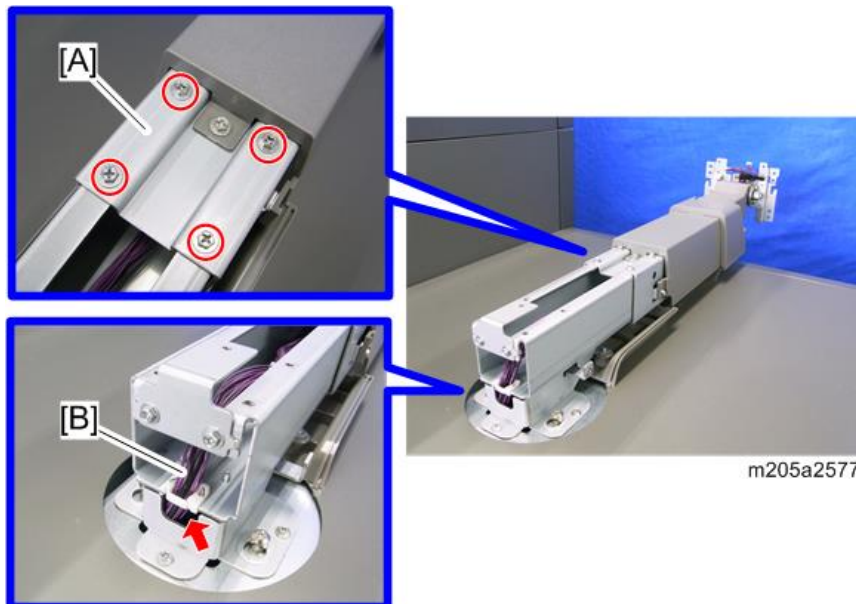
Pull the operation panel arm forward until you see the four holes where you just moved the screw in the previous step.



m205a2576

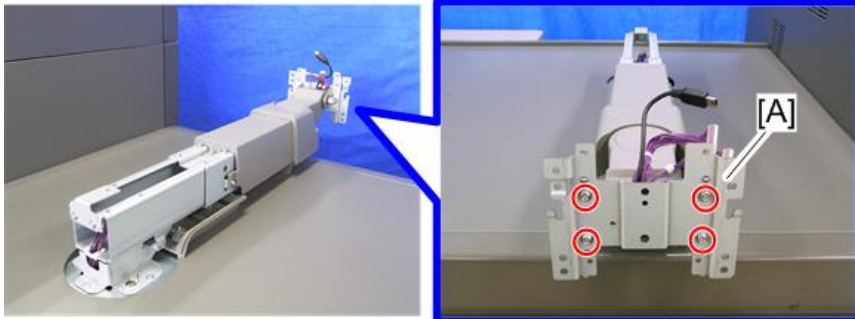
9. Secure the operation panel arm [A] and operation panel harness [B]. (⌀×4, ⌀×1)

Use the screw removed in Step 7.



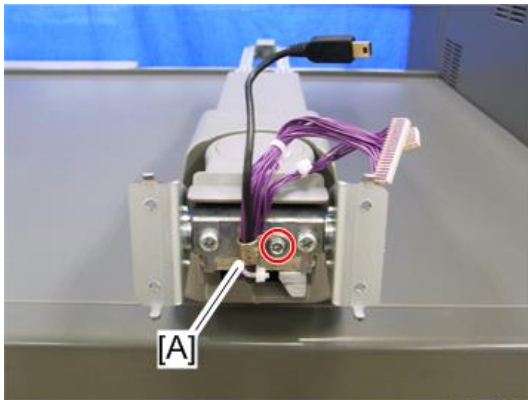
m205a2577

10. Remove the operation panel hinge [A]. (⌀×4)



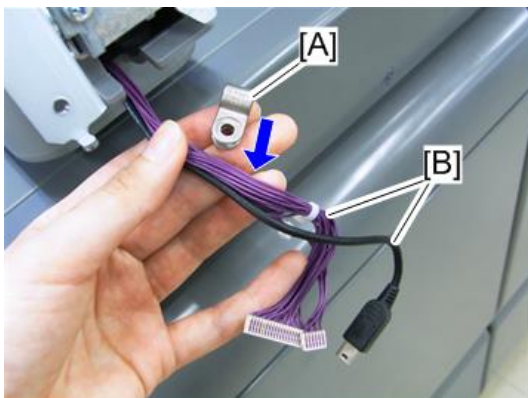
m205a2578

11. Remove the fixing material [A] of operation panel harness. (⌀×1)



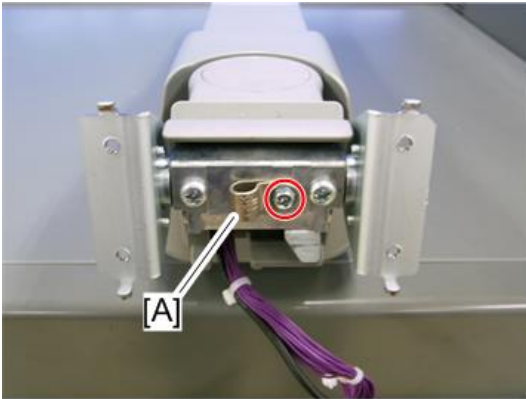
m205a2579

12. Remove the operation panel harness [B] from fixing material [A].



m205a2580

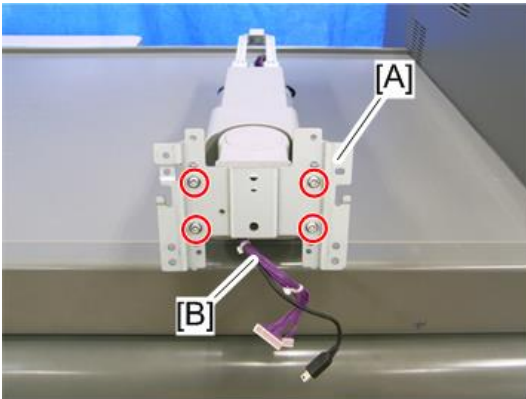
13. Re-attach the fixing material [A]. (⌀×1)



m205a2581

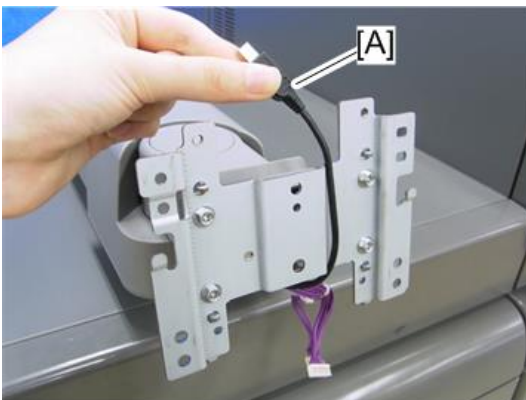
14. Re-attach the operation panel hinge [A]. (⌀×4)

Route the operation panel harness [B] down as shown below.



m205a2582

15. Route the USB cable [A] as shown below.



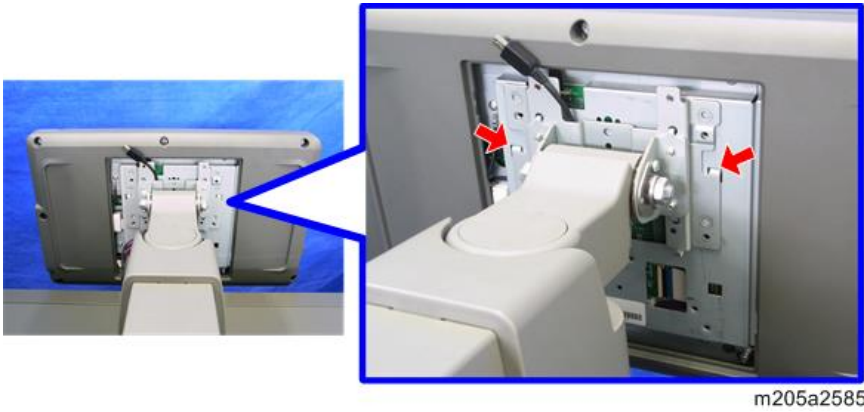
m205a2583

16. Install the operation panel [A] to the operation unit arm [B].



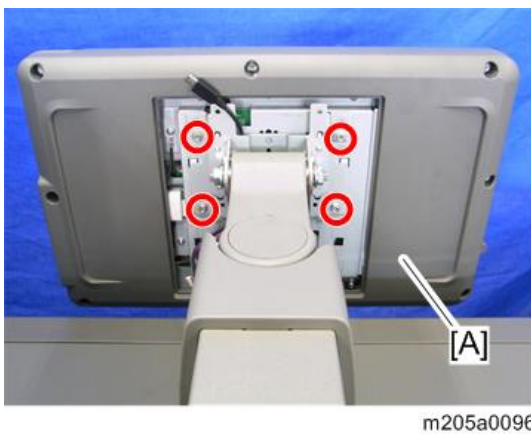
↓ Note

- Hang the pawls (×2) of the operation panel on cutouts (upper side) of operation unit arm.



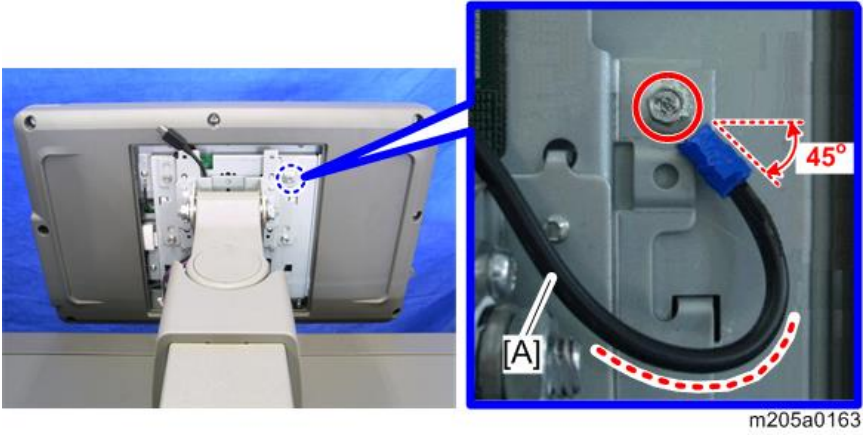
- Be careful not to put USB cable between operation panel and operation unit arm.

17. Secure the operation panel [A]. (⚙ ×4: M4×6: bind screws)

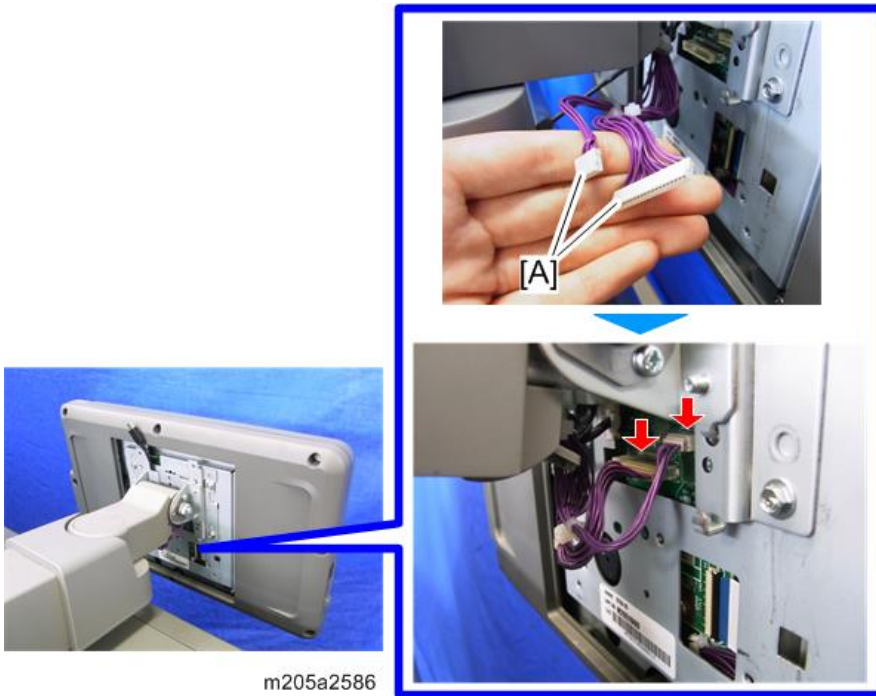


Note

- Fix the ground wire [A] as shown below.



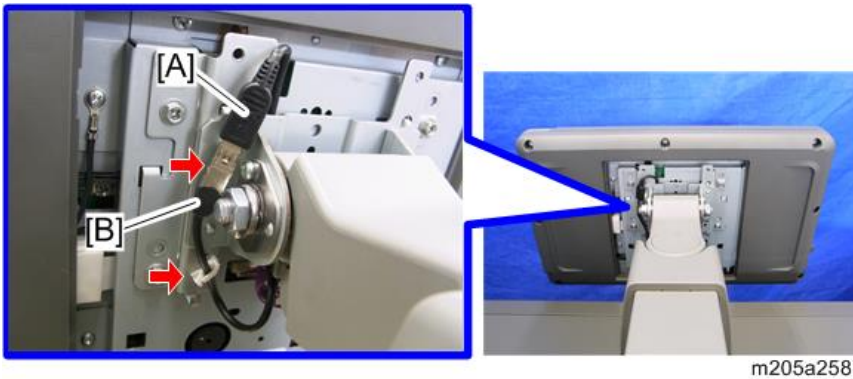
18. Connect the two operation panel harness [A] to the operation panel. ( x2)



19. Install the clamp [A] provided with the main machine to the position shown below.

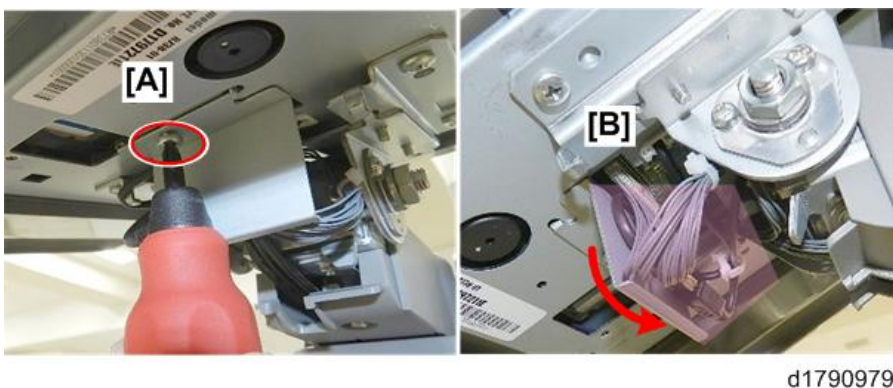


20. Connect the USB cable [A] routed in Step 15 to the USB cable [B] of the main machine, and then secure it as shown below. (🔧×1, 🔑×1)

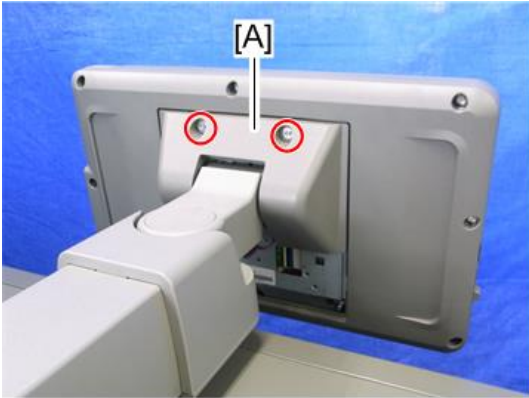


21. Secure the harness shield plate [A] at rear lower side of the operation panel. (🔧×1: M4×6: hex-head screw)
22. Fold up the USB harness and other harness, and then rout behind the harness shield plate [B].

The picture below shows rear lower side of the operation panel.

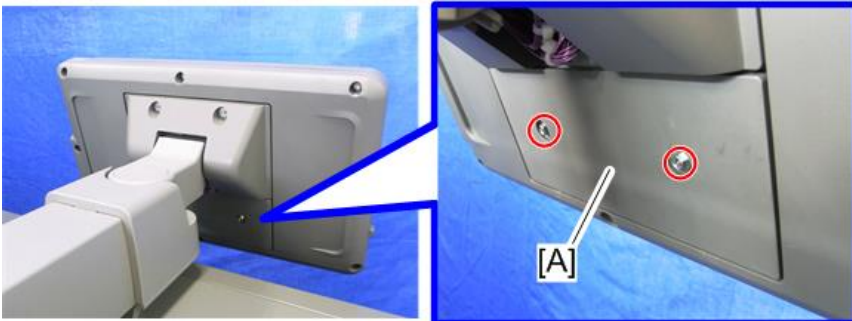


23. Install the rear lower cover [A] of the operation panel as shown below. (🔩×2: M4×6: hex-head screws)



m205a2588

24. Install the rear upper cover [A] of the operation panel as shown below. (🔩×2: M4×6: hex-head screws)



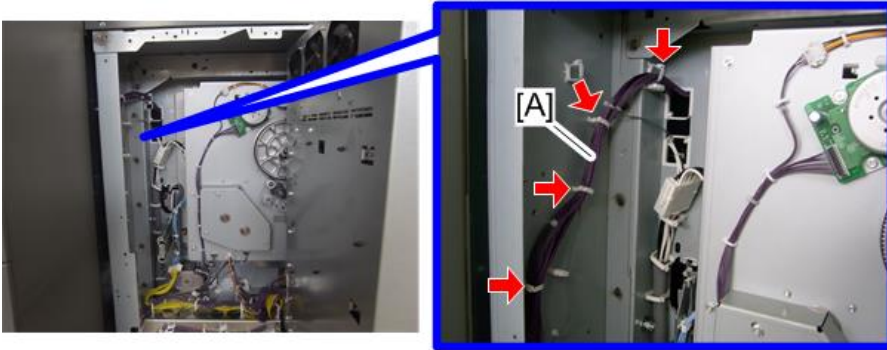
m205a2589

25. Peel the protect sheet [A] of the operation panel.



m205a2590

26. Secure the operation panel harness [A] released in Step 4 with four clamps. (🔧×4)



m205a2591

27. Re-attach the IOB bracket. (🔧×5)

28. Re-attach the rear upper left cover of the fusing section. (🔧×4)

Operator Call Light Attachment

1. Connect a connector [B] to the operator call light [A]. (🔧×1)



m205a2224

2. Set the projection of the operator call light [A] to the main machine.



m205a2225

3. Attach the operation call light [A]. (Ⓜ×3: M3×8: binding screws)



Media Identification Unit Installation

⚠ CAUTION

- Make sure that the main power switch and AC power switch of the machine are switched off and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

↓ Note

- If media identification unit can not be installed at left side of the main machine, install it on a safe and level surface.

1. Place the media identification unit [A] at the left side of the operation panel.



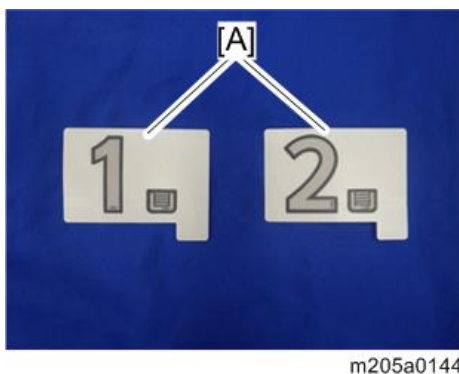
2. Connect the USB cable [A] of the media identification unit to USB port at right side of the operation panel.



3. Attach the accessory clamp and then route the USB cable so that it does not spread over.

Attaching the Decals

1. Prepare the paper tray decals [A] provided with the main machine.



2. Attach the paper tray decal "1" to the position [A] along the LED of paper tray 1 as shown below.



- 3. Attach the paper tray decal "2" to the position [A] along the LED of paper tray 2 as shown below.

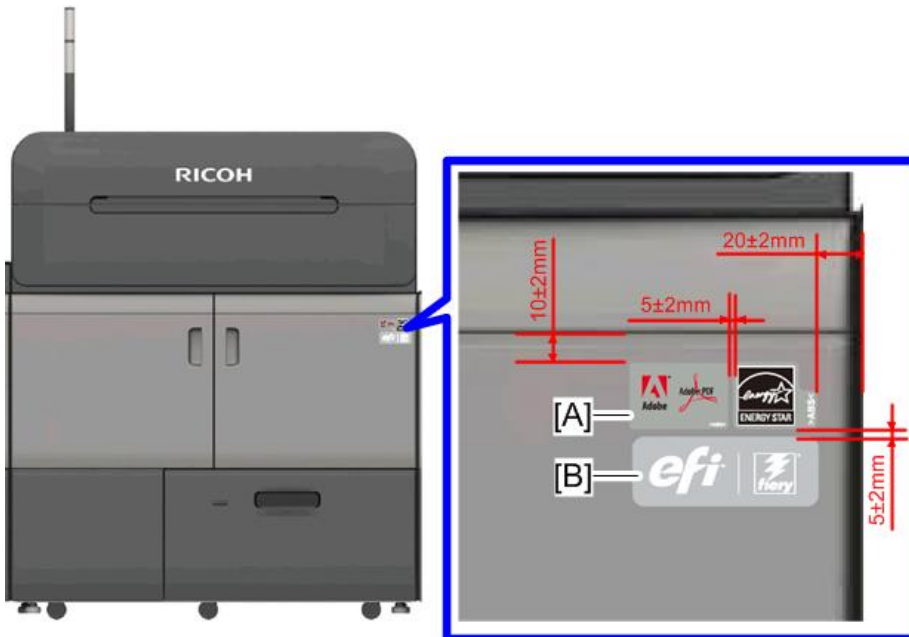


m205a2895

- 4. Attach the Adobe decal [A] and EFI decal [B] to the front right door of the right (imaging) unit.



m205a4135



m205a4136

Storing the Factory SP Sheet

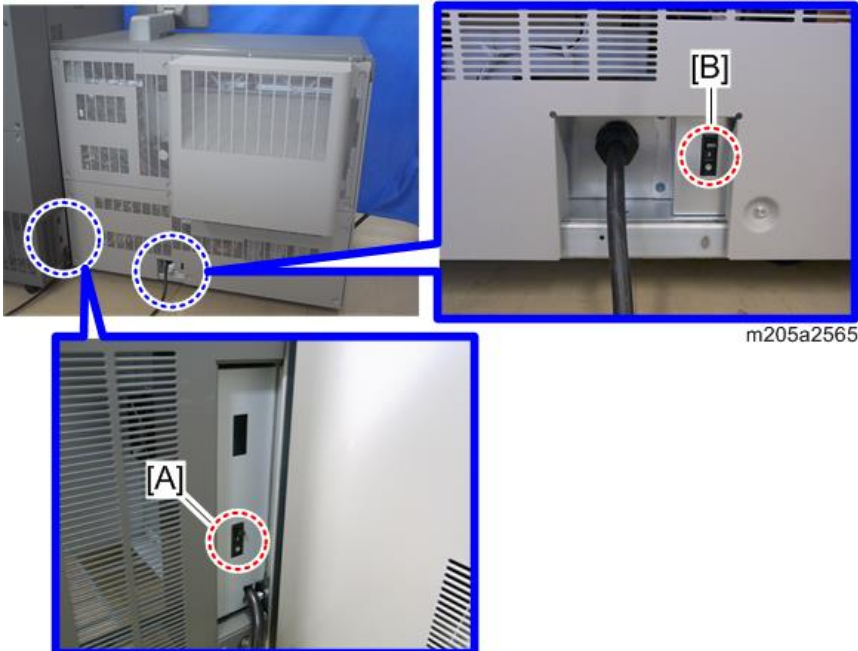
The factory SP sheet [A] is taped on the right side of waste toner bottle [C] when you open the front left door [B] of the imaging section. Leave it as it is in order not to lose it.



2

Breaker Switch Test

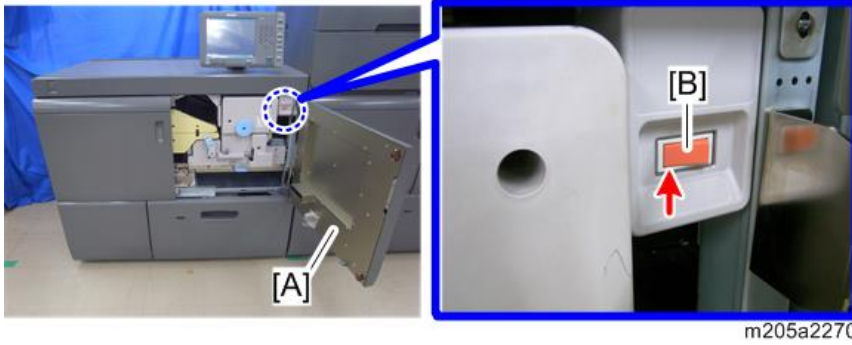
The breaker switches are at the rear of the imaging section [A] and the fusing section [B]. The breaker switch should be tested at installation, and then inspected, cleaned, and tested at least once a year thereafter.



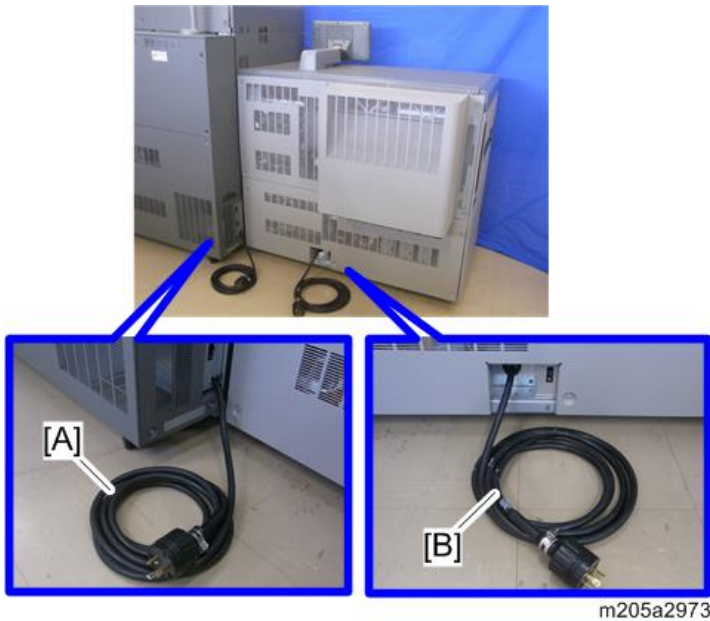
Note

- To prevent damage to the breaker switch, installation of a voltage stabilizer (constant voltage transformer) is recommended for work sites where there is significant fluctuation in the AC power source.

1. Open the front right door [A] of the fusing section, and then turn off the AC power switch [B].



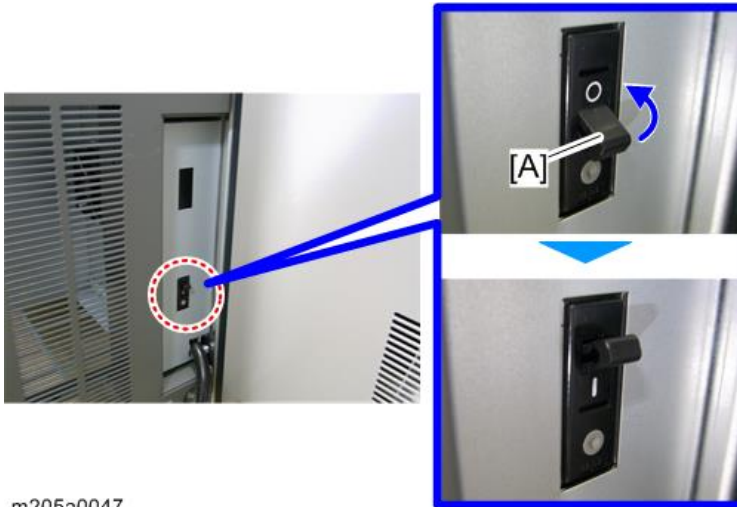
2. Plug the power cord [A] of the imaging section and power cord [B] of fusing section into its power source.



Important

- Do not turn on the main power switch.

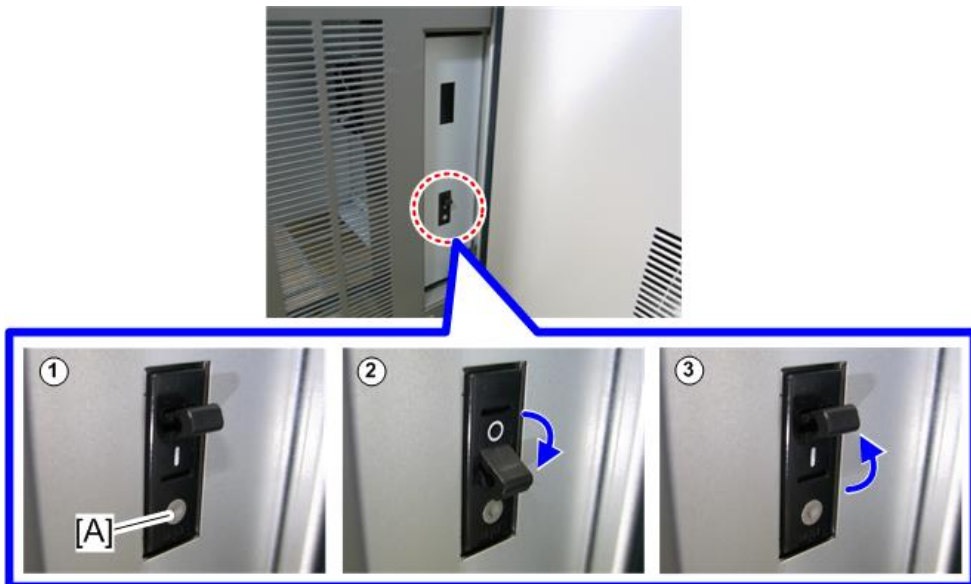
3. Push the breaker switch [A] of the imaging section up to "ON" position.



m205a0047

4. Test the breaker switch of the imaging section.

1. Push the breaker test button [A].
2. Confirm that the breaker switch flip to "OFF" position. This indicates that the breaker switch is operating normally.
3. Push the breaker switch up to "ON" position (normal position).



m205a2567

Note

- If the breaker switch does not flip to "OFF" position, replace the breaker switch.

- If you push the breaker switch back to the normal position, the machine does not turn on when you push the main power switch.

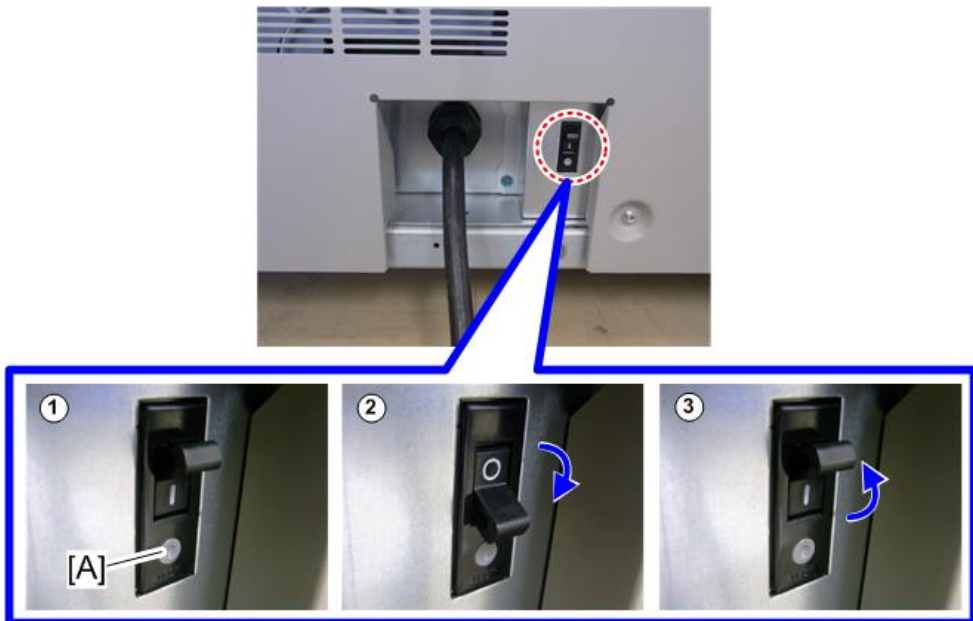
5. Push the breaker switch [A] of the fusing section up to "ON" position.



m205a0048

6. Test the breaker switch of the fusing section.

1. Push the breaker test button [A].
2. Confirm that the breaker switch flip to "OFF" position. This indicates that the breaker switch is operating normally.
3. Push the breaker switch up to "ON" position (normal position).



m205a2566

Note

- If the breaker switch does not flip to "OFF" position, replace the breaker switch.
- If you push the breaker switch back to the normal position, the machine does not turn on when you push the main power switch.

7. Turn on the AC power switch, and then close the front fight door of the fusing section.

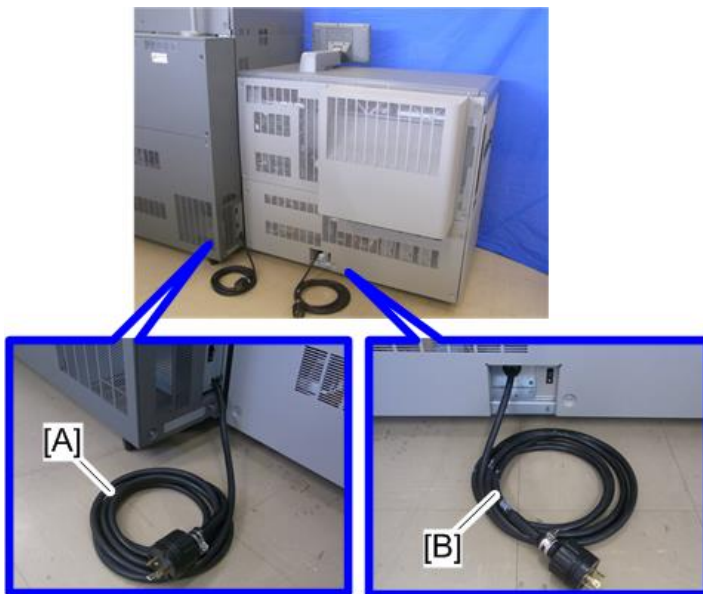
2

Connecting a Color Controller to the Main Machine

Connect a color controller to the main machine. For details, see page 208 "Color Controller E-43 (M465)" or page 226 "Color Controller E-83 (M466)".

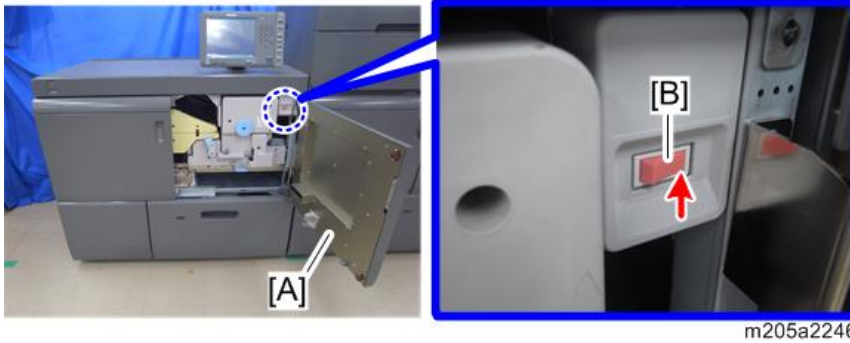
Turning the Machine On/Off

1. Plug the power cord [A] of the imaging section and power cord [B] of fusing section into its power source.



m205a2973

2. Open the front right door [A] of the fusing section and confirm that the AC power switch [B] is set to ON.



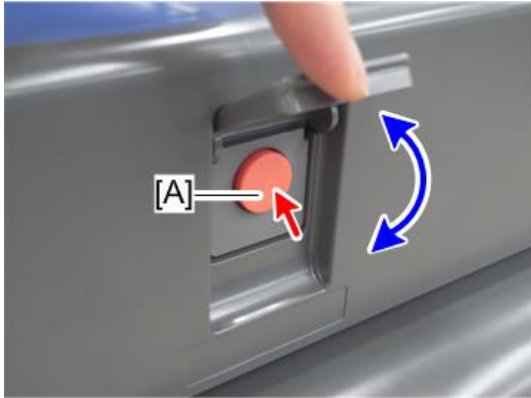
3. Lift the switch cover at the front left side of the fusing section and press the main power switch [A].



★ Important

- Before the machine leaves the factory, the AC power switch is set to ON. If this switch is OFF, it must be set to ON.
 - As a safety precaution set the main power switch and the AC power switch to OFF and disconnect the main machine power cord before servicing the machine.
 - After servicing the machine, be sure to set the AC power switch back to ON.
4. After the [Please Wait] message, the initial screen appears.
 5. At the front left corner of the fusing section, open the cover, and then press the main power switch [A].

A message appears and after normally shut down, the machine powers down automatically.



m205a2248

↓ Note

- Since the AC power switch is equipped to cutoff the power easily, keep the switch ON except during special situations such as maintenance.

Registering the Serial Number of the Left Unit (Fusing Section)

The right unit (imaging section) and left unit (fusing section) each have separate serial numbers. When installing the main machine, the serial number of the left unit (fusing section) must be registered in SP mode.

1. Check the rating name plate at the rear of the left unit (fusing section), and then write down the serial number.



m205z8001

2. Enter SP mode.

3. Enter the serial number in SP5-811-006 (MachineSerial: Left).

Install Toner Bottles

↓ Note

- Before you begin this procedure, confirm that the machine main power switch is turned on.

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



m205a2249

2. Remove a new toner bottle from the packing.
3. Turn the toner bottle upside down, and shake it 5-6 times with both hands.
4. Remove the cover of the toner bottle.
5. Set each color of the toner bottle to the unit.



m205a2253

↓ Note

- Toners are placed from left to right in this order Y, M, C, K.



m205a2250

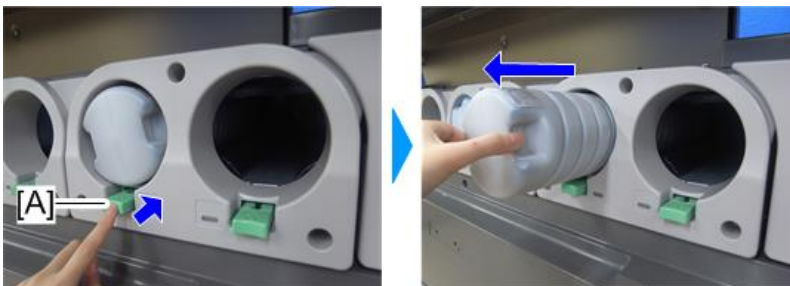
6. Push the bottle in with your palm until you hear it click and lock.



m205a2251

↓ Note

- When removing the toner bottle, press the green lever [A] and pull out the toner bottle.



m205a2252

7. Close the toner supply front cover.

A short time later, [Self checking] message appear in the banner and process control automatically starts.

Paper Tray Settings

<Loading the Paper Trays>

1. Move the side fence and bottom fence to the correct positions for the paper.
2. Load A4/LT paper which is provide with the main machine in paper tray 1 and 2, and then confirm that the paper size is detected automatically.

<Paper Tray Settings>

1. Press the [Paper Settings] key on the operation panel.
2. Select the Tray icon.
3. Select the paper type and paper weight for each tray.

Note

- The paper type and paper weight for the paper provided with the machine should be set to "Plain Paper" and "Weight 2".

Adjusting the Color Registration

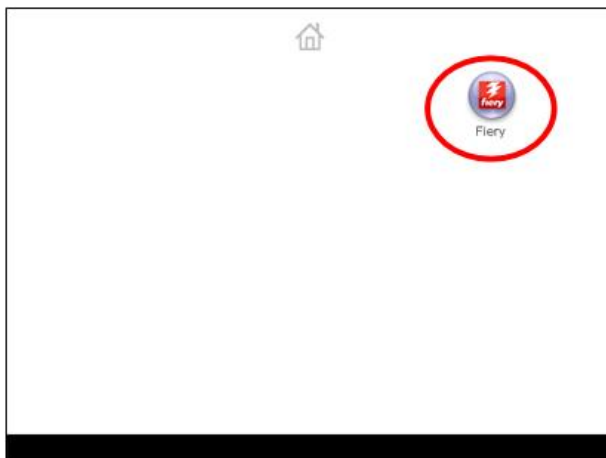
1. Press the [User Tools] key.
2. Press [Maintenance].
3. Press [Color Registration].

Auto color registration takes about 30 seconds.

Test Print

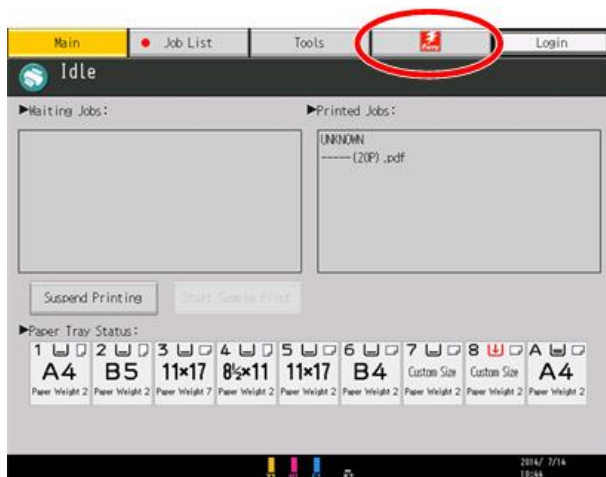
1. Press the [Home] key on the operation panel of the main machine and wait for a few minutes until the Fiery icon appears on the Home screen.

2. Press the Fiery icon to access to the Fiery menu screen.



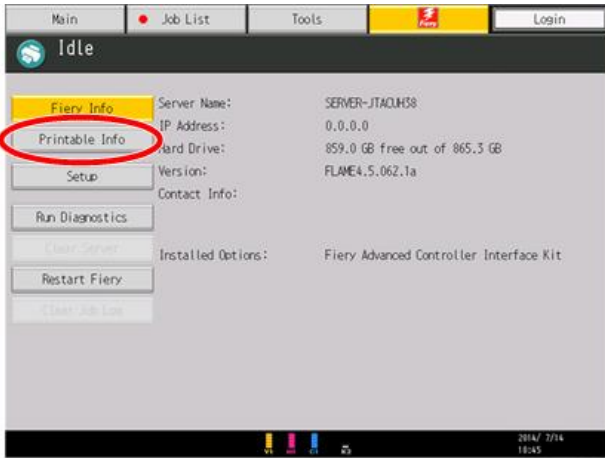
m205a2908

3. Move to the [Fiery] tab.



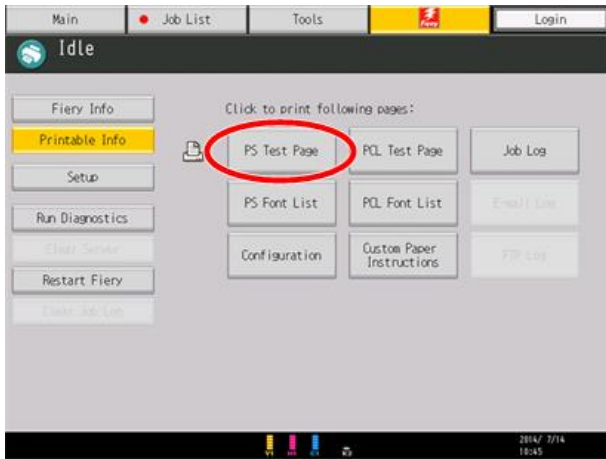
m205a4000

4. Press [Printable Info].



m205a4001

5. Press [PS Test Page].



m205a4074

6. Check the solid color and density difference on the test page.

- Check if each 100% pattern [A] has a solid color without imperfections (not blotched or scratched).
- Check if the density difference between the 60% [B] and 50% [C] patterns is clearly visible.



Paper Library Data Installation

Follow this procedure to install the Paper Library data.

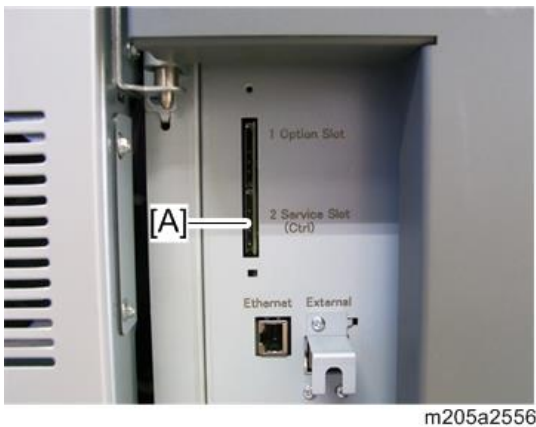
1. Create a folder in the root directory of an SD card and name the folder "mqp".
2. Copy the paper database file into the "mqp" folder, and then rename the copied file "library.mqp".
3. Make sure that the machine is OFF.
4. Remove the controller cover [A] from rear side of the main machine. (🔧 x2)



5. Remove the SD card slot cover [A]. (🔧×1)



6. Insert the SD card containing the "library.mqp" file into SD card Slot 2 (lower slot) [A].



7. Turn the machine main power ON.
8. Make sure that the data version of the SD card is newer than the data version of the flash ROM on the controller. If it is not, store the latest data version of the Paper Library onto an SD card.
- The version of the data on the SD card can be checked with SP5-711-202.
 - The version of the data in the flash ROM on the controller can be checked with SP5-711-201.
9. Access SP5-711-001 and tap [EXECUTE].
10. Tap [EXECUTE] again.
11. When the machine displays "Completed" and prompts you to re-boot, tap [Exit] to exit SP mode.
12. Turn the machine main power OFF and remove the SD card from Slot 2.
13. Turn the machine main power ON.
14. Check the Paper Library data version in SP5-711-201 (Flash ROM) to confirm that the Paper Library data has been updated.

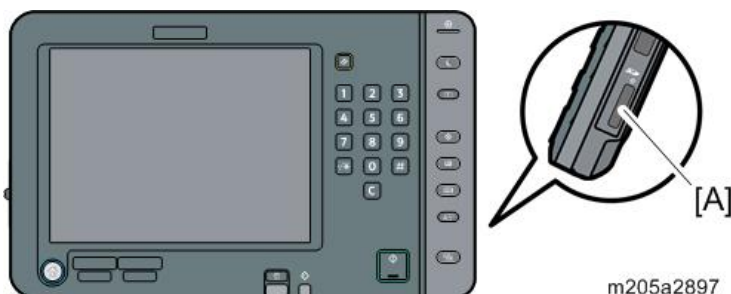
Backing up and restoring paper library data

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

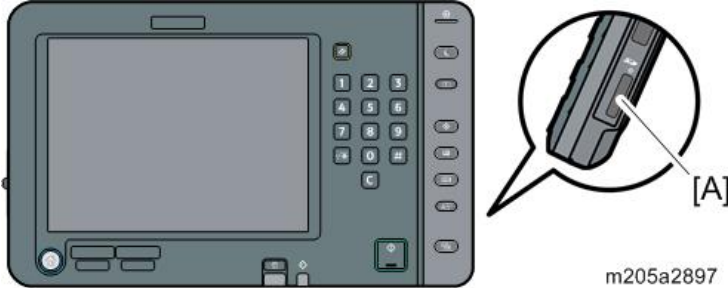
1. Insert the SD card into the SD card slot [A] on the operation panel.



2. Press [User Tools] key, and then press [Adjustment Settings for Skilled Operators].
3. Press [05: Machine Maintenance].
4. Press [0511: Backup / Restore Custom Paper Data].
5. Press [Back Up Saved Paper Library], [Back Up Custom Paper Settings], or [Restore Custom Paper Settings].

SMC Report

1. Insert the SD card to SD card slot [A] on operation panel.



2. Go into the SP mode.
3. Do SP5992-001 to store a list of the SP code settings in SD card for future reference.
4. Remove the SD card from operation panel.

↓ Note

- The customer engineer keep and carry this SD card which stores list of the SP code settings.

Moving and Transporting the Machine (Short Distance)

Do the following procedure when moving the machine to another floor of the same building.

- Turn the main power switch off.
- Grip the power cord by its head, and then unplug the power cord.
- Make sure all doors and trays are closed.
- The machine is heavy. To avoid damaging the machine, place your hands at the corners of the main frame and push it slowly and straight.

↓ Note

- Do not push the rear box [A] when moving the machine.



- When moving Finisher SR5050 and Finisher SR5060, adjust the level and height with the main machine after moving the unit. And then adjust the height of casters under the stacker/stapler unit.

1. Remove the left unit (fusing section) from the right unit (imaging section).

1. Disconnect the connectors which connect fusing section and imaging section. (page 154)
2. Remove the eight shoes under the imaging section and the fusing section.(page 150)
3. Remove two M8 bolts which are fixing the imaging section and the fusing section, and then remove the fusing section from the imaging section. (page 138)
4. Remove the positioning pins from the imaging section. (page 138)
5. Remove the paper transport belt (PTB) unit from the imaging section. (page 133)
6. Install the supporting plate in the right (imaging) unit. (page 125)

Note

- If the Finisher SR5050 or Finisher SR5060 is installed on the main machine, follow the procedure below.
 1. Turn off the main power switch.
 2. Grip the power cord by its head, and then unplug the power cord.
 3. Disconnect the interface cable from the main machine and other downstream units.
 4. Make sure the front doors of the main machine and all other peripherals are closed.
 5. Loosen the screws that hold the caster of stacker/stapler unit.
- The caster should be raised before the finisher is moved. This prevents the caster from snagging on a carpet or door jam when the finisher is moved.

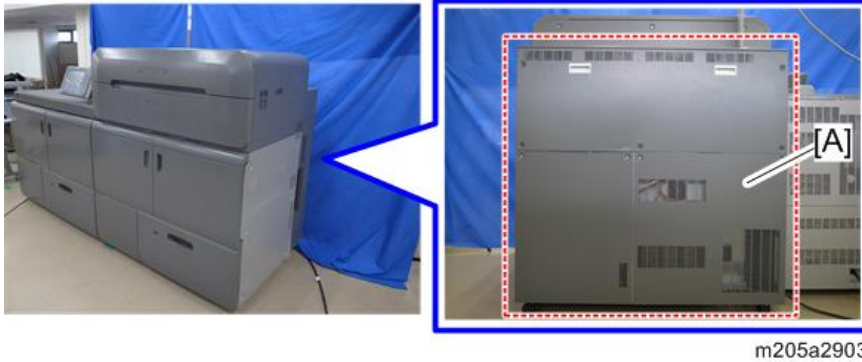
Transporting the Machine (Long Distance)

Do the following procedure when you ship the machine by truck or move the machine to another building.

- Turn the main power switch off.
- Grip the power cord by its head, and then unplug the power cord.
- Make sure all doors and trays are closed.
- The machine is heavy. To avoid damaging the machine, place your hands at the corners of the main frame and push it slowly and straight.

Note

- Do not push the rear box [A] when moving the machine.



m205a2903

- When moving Finisher SR5050 and Finisher SR5060, adjust the level and height with the main machine after moving the unit. And then adjust the height of casters under the stacker/stapler unit.

1. Remove the left unit (fusing section) from the right unit (imaging section).

1. Disconnect the connectors which connect the fusing section and the imaging section. (page 154)
2. Remove the eight shoes under the imaging section and the fusing section. (page 150)
3. Remove two M8 bolts which are fixing the imaging section and the fusing section, and then remove the fusing section from the imaging section. (page 138)
4. Remove the positioning pins from the imaging section. (page 138)
5. Remove the paper transport belt (PTB) unit from the imaging section. (page 133)
6. Install the supporting plate in the right (imaging) unit. (page 125)
7. Turn the grip of the ITB unit clockwise, remove the grip, and fasten the ITB separation bracket with tape. (page 126)
8. Attach the retainer to the front left doors and paper trays on both right (imaging) and left (fusing) units. (page 123)

2. Clear the waste toner path.

1. Make sure that the waste toner bottle is set in the machine.
2. Close the front door.
3. Enter the SP mode and do SP5-804-071 to turn on the waste toner transport motor (lower).
4. While the toner feed motor is running, do SP5-804-070 to turn on the waste toner transport motor (upper). These two SP codes should execute at the same time.
5. Wait at least 2 min. and then switch off SP5-804-071 and SP5-804-070.

3. Remove the toner bottles (machine should be moved with the bottles removed)

If there are any bottles which do not come out by pressing the green lever, set following SP to "0".



m205a2898

Toner bottle which do not come out	SP No.	SP Name
Y1	SP3-162-004	Bottle Open/Close: Open/Close: Y1: Left Bottle
Y2	SP3-162-008	Bottle Open/Close: Open/Close: Y2: Right Bottle
M1	SP3-162-003	Bottle Open/Close: Open/Close: M1: Left Bottle
M2	SP3-162-007	Bottle Open/Close: Open/Close: M2: Right Bottle
C1	SP3-162-002	Bottle Open/Close: Open/Close: C1: Left Bottle
C2	SP3-162-006	Bottle Open/Close: Open/Close: C2: Right Bottle
K1	SP3-162-001	Bottle Open/Close: Open/Close: K1: Left Bottle
K2	SP3-162-005	Bottle Open/Close: Open/Close: K2: Right Bottle

4. When you arrive at the new site:

1. Turn the main power switch ON.
2. Open the toner supply front cover, and then install the toner bottle.
3. Close the toner supply front cover.

↓ Note

- If the Finisher SR5050 or Finisher SR5060 is installed to the main machine, follow the procedure below.
 1. Turn off the main power switch.
 2. Grip the power cord by its head, and then unplug the power cord.
 3. Disconnect the interface cable from the main machine and other downstream units.
 4. Make sure the front doors of the main machine and all other peripherals are closed.

5. Loosen the screws that hold the caster of stacker/stapler unit.

- The caster should be raised before the finisher is moved. This prevents the caster from snagging on a carpet or door jam when the finisher is moved.

If the Machine is too large to Transport

2

Remove the rear box only when the machine is too large to pass through a narrow door or passageway. When the rear box is removed, depth dimension of a machine (980 mm) become 760 mm.

1. Remove the toner supply rear cover [A]. (⌀ \times 6)



m205a1173

2. Remove the fixing screws of rear box [A]. (⌀×4)



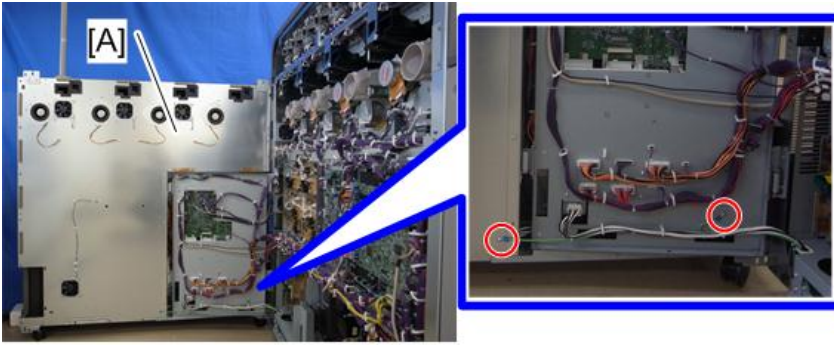
m205a1057

3. Open the rear box from right side.

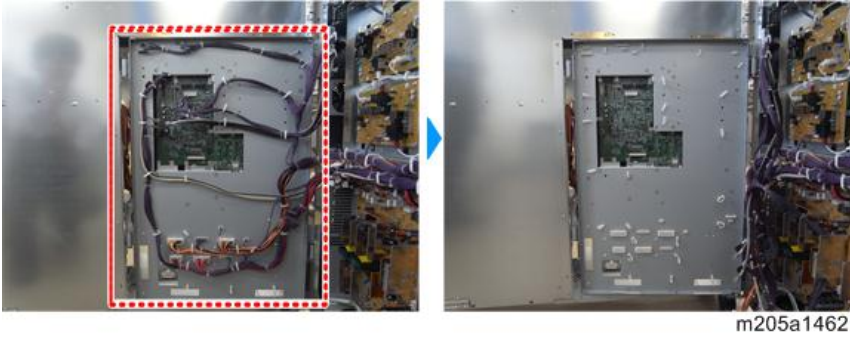


m205a1058

4. Remove the two ground cables inside rear box [A]. (🔑 × 2)

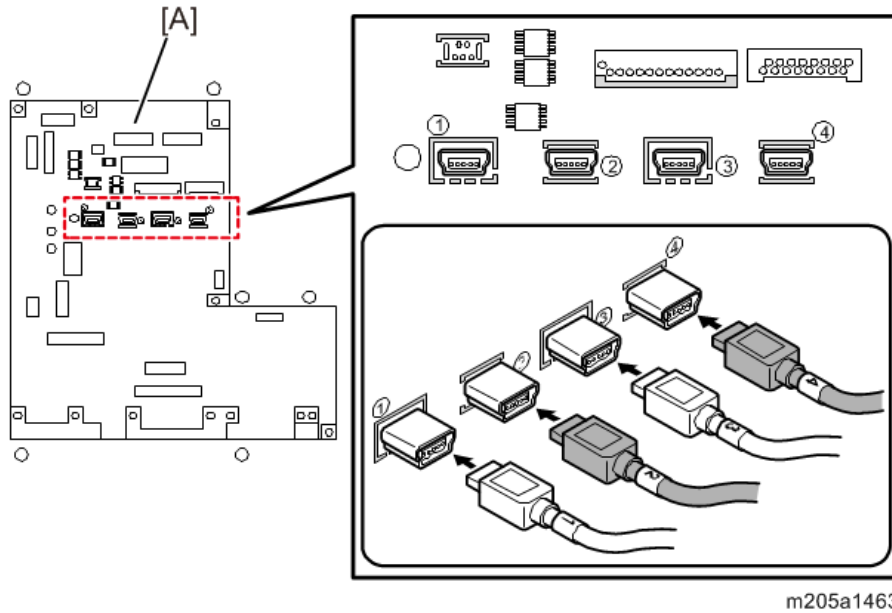


5. Open the clamps, then disconnect the connectors and USB cables inside rear box as shown below. (📦 × ALL, 🔧 × ALL, USB cables × ALL)

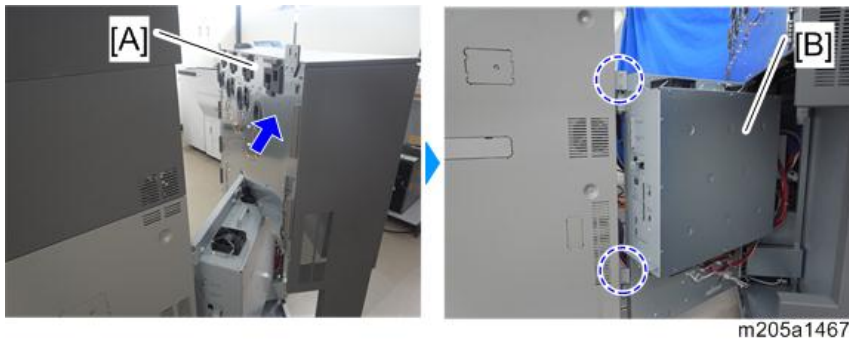


Note

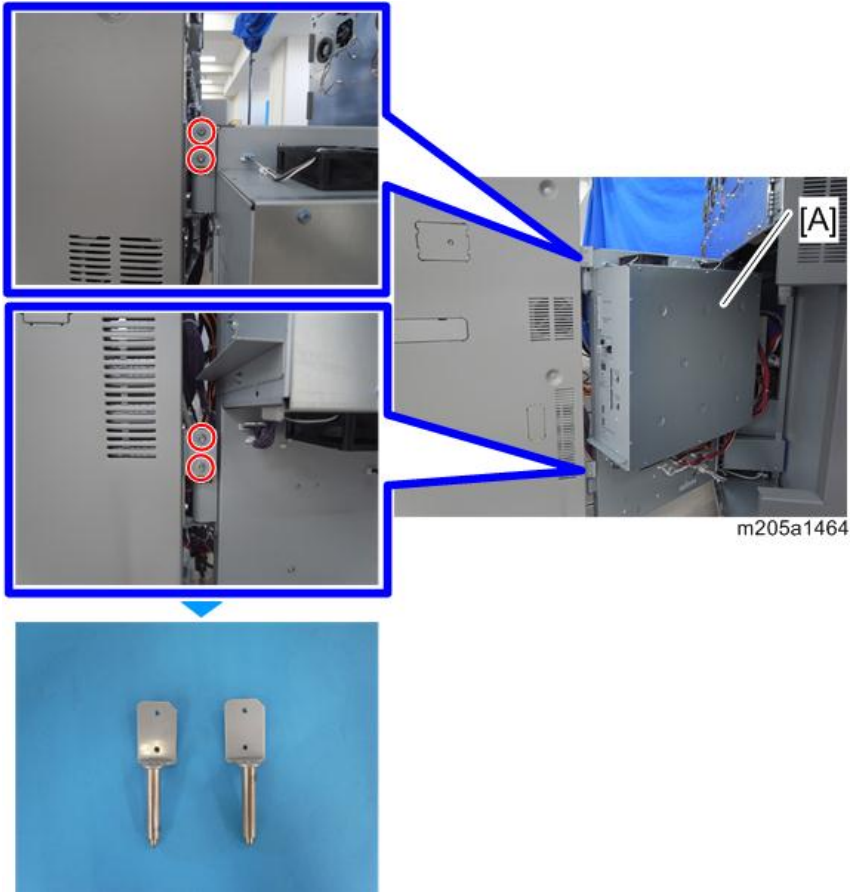
- When connecting the USB cables back to IPU [A], match the numbers marked on IPU and USB cables.



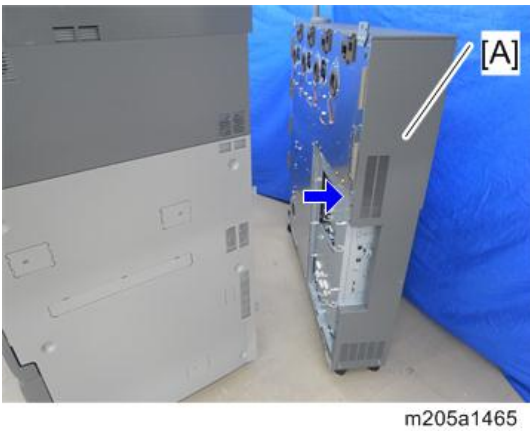
6. Remove the rear box [A], so that you can access to the upper and lower hinges on left side of controller box [B].



7. Remove the pins from upper and lower hinges on left side of the controller box [A]. (⊗ x4)



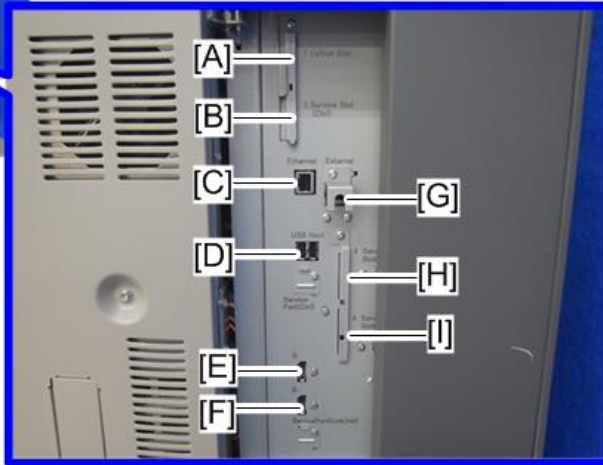
8. Remove rear box [A] from main machine.



Note

- After the rear box is removed from the main machine, it become unstable and can be fell over. To avoid personal injury or damage on the rear box, use caution when you leave or transport the rear box.

List of Slots and Ports



m205a0102

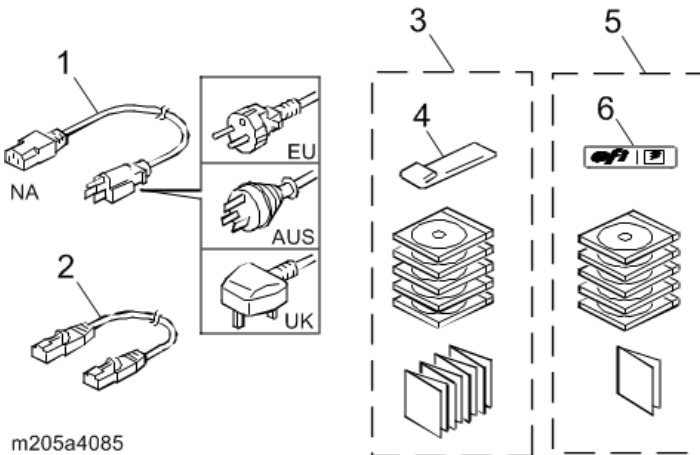
	Name	Description
[A]	SD Card Slot 1 (option slot)	Slots for installing optional SD cards. Since slot 2 is the service slot, we recommend that you use slot 1 to install the SD card options.
[B]	SD Card Slot 2 (service slot)	
[C]	Gigabit Ethernet port	Port for using a 1000BASE-T, 100BASE-TX, or 10BASE-T cable. Use this interface to connect the machine to a network.
[D]	USB Host Interface	Port for connecting a USB interface cable or USB interface device. Use this interface to connect the machine to a card authentication device or external keyboard.
[E]	Data Transfer Unit Port A	Port for inserting data transfer unit cable A when connecting main machine and fiery controller.
[F]	Data Transfer Unit Port B	Port for inserting data transfer unit cable B when connecting main machine and fiery controller.
[G]	Gigabit Ethernet port	Port for inserting Ethernet cable when connecting main machine and fiery controller.

	Name	Description
[H]	SD Card Slot 2 (service slot: Master)	Port for capturing the engine debug log using SD cards. When capturing the engine debug log using SD cards, the service slot board (service option) must be installed.
[I]	SD Card Slot 2 (service slot: Slave)	

Color Controller E-43 (M465)

Accessory Check

2



No.	Description	Q'ty
1	AC Power Cord	4
2	Interface Cable	1
3	Media Pack	1
4	Grayscale Strip	1
5	Service Kit	1
6	Fiery Decal	1

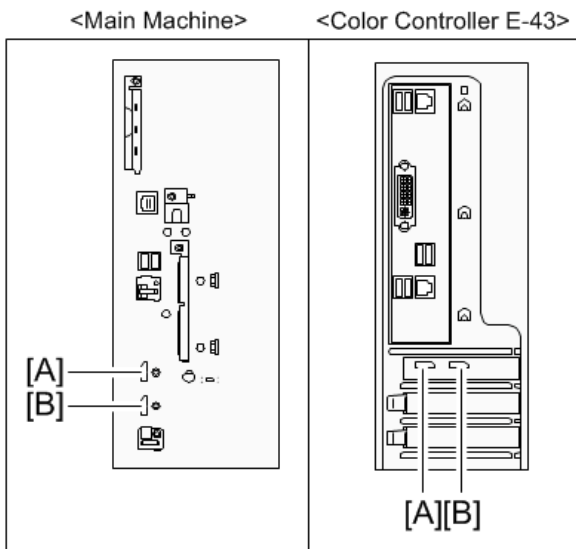
Installation

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

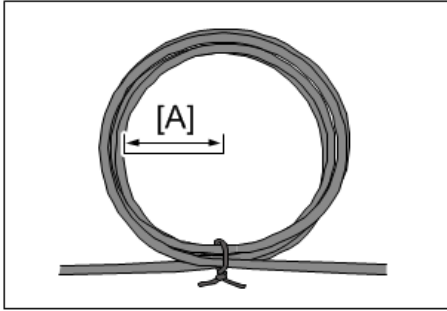
↓ Note

- This guide covers hardware installation. It provides general information on connecting the E-43 to the customer's network. Explain the site administrator to refer the user's manual for network setup and configuration information.
- Before installation, the customer should be informed of the following:
 - The site administrator should be available during the installation for assistance with network connectivity issues.
 - The site administrator should have a network cable and documentation for the network settings.
 - The site administrator should have a networked computer available during the installation. The appropriate software should already be installed.
- There are two types of data transfer unit cables: A and B. Follow the procedures and connect the cables to the correct ports. Otherwise the machine can break down.



w_m205a4082

- [A]: Data Transfer Unit Port A
- [B]: Data Transfer Unit Port B
- Do not bend data transfer unit cables A/B. Doing so may cause failure in data transfer. When bundling the cables, tie up in a rounded shape and make sure the radius [A] is more than 10cm.



m205a0106

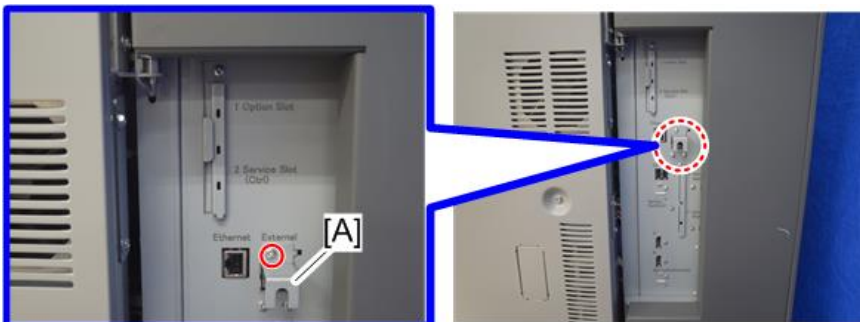
- Make sure to turn off the main power switch before removing the power cables. Doing so may cause malfunctions. For details about turning off the main power switch, see page 224 "Turning off the Main Power Switch".
- When you turn off the main machine, turn off the color controller too. When you turn on the color controller, you need to turn it on within one hour after the main machine is turned on.

1. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



m205a0328

2. Remove the protection cover [A] of the Gigabit Ethernet port for color controller. (🔧×1)



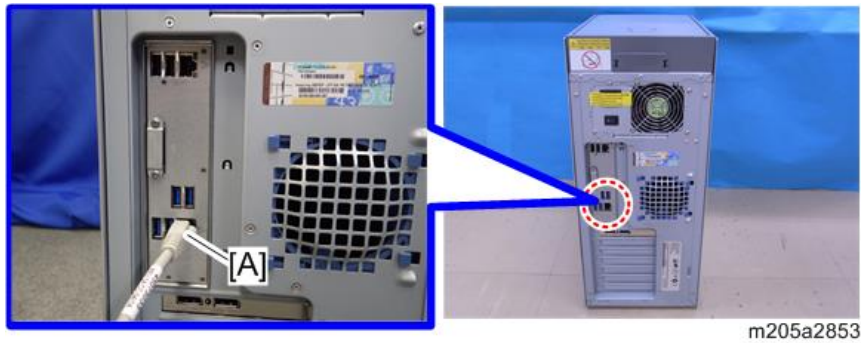
m205a0330

3. Connect the interface cable [A] to the Gigabit Ethernet port of the main machine and color controller. (🔌×2)

- Main machine



- Color controller



4. Connect the data transfer unit cable A provided with the main machine to the data transfer unit port A [A] of main machine and color controller. (📦 ×2)
5. Connect the data transfer unit cable B provided with the main machine to the data transfer unit port B [B] of main machine and color controller. (📦 ×2)

↓ **Note**

- There are two types of data transfer unit cables: A and B. Check [A] part of the data transfer unit cables, and then connect the cable which is described as "A" into the port marked "A". Connect the cable which is described as "B" into the port marked "B".



- Main machine



- Color controller



m205a2854

6. Connect the interface cable which is connected to a network to the Gigabit Ethernet port [A] of the color controller. (🔌 ×1)



m205a2855

7. Connect the power cord [A] to color controller.



m205a2856

- 8. Plug the power cords of the main machine and color controller to the outlet.
- 9. Turn on the power switch [A] of color controller.



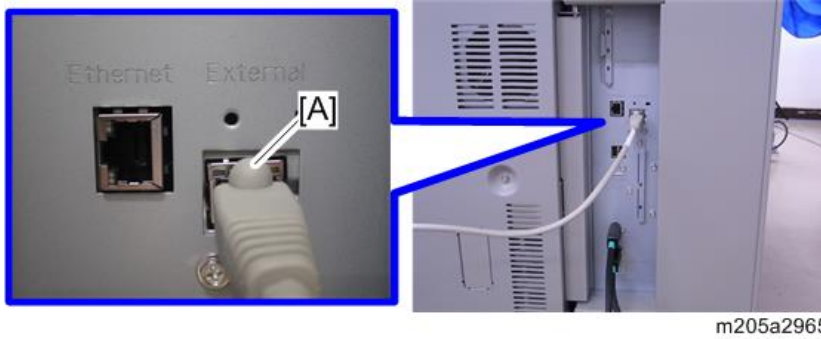
- 10. Press the main power switch [A] of the color controller.



- 11. Open the switch cover at the front left side of the fusing unit and press the main power switch [A].

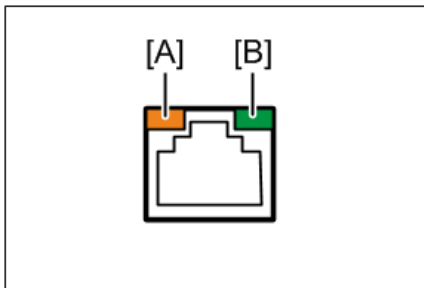


12. Check the LED status of Gigabit Ethernet port [A] for color controller.



↓ Note

- Make sure that the LED [A] is lit orange and the LED [B] is lit green. If one of these LED is not lit, interface cable might be disconnected. Check the interface cable. When the machine is in low power mode, only the LED [A] is lit orange.

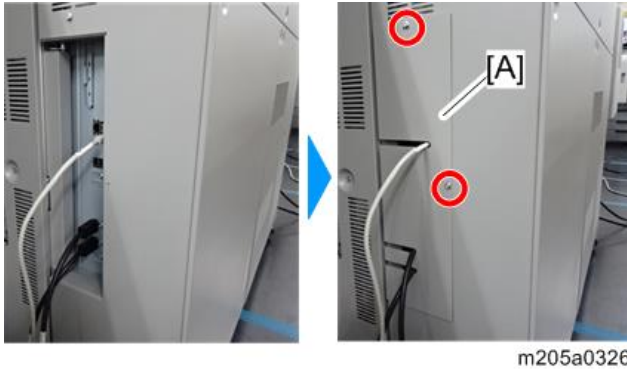


m205a2966

- There is an interlocking switch [A] at rear side of the color controller. If you turn on the interlocking switch (tilt downward), color controller turns off/on the power in tandem with the main machine's operation.

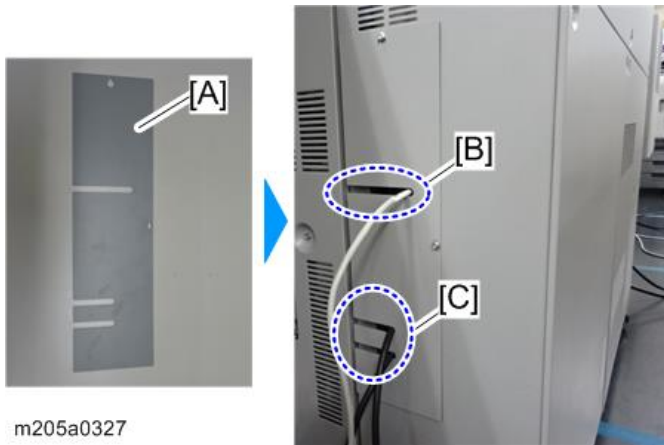


13. Attach the controller cover [A] as shown below. (🔩×2)



↓ Note

- When attaching the controller cover [A], route the interface cable [B] and two data transfer unit cables [C] through the cutouts in the controller cover.

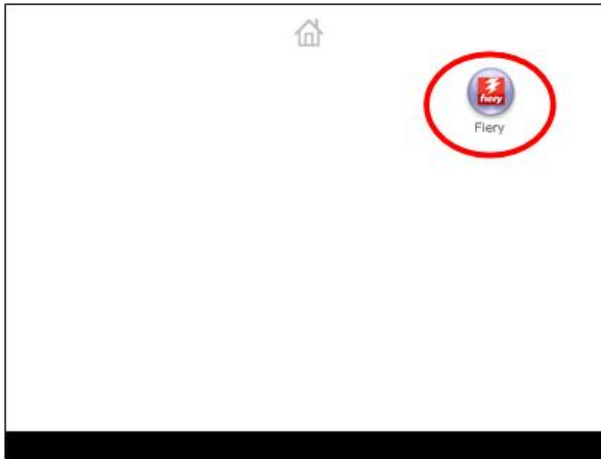


Startup and Initial Setup

Test print

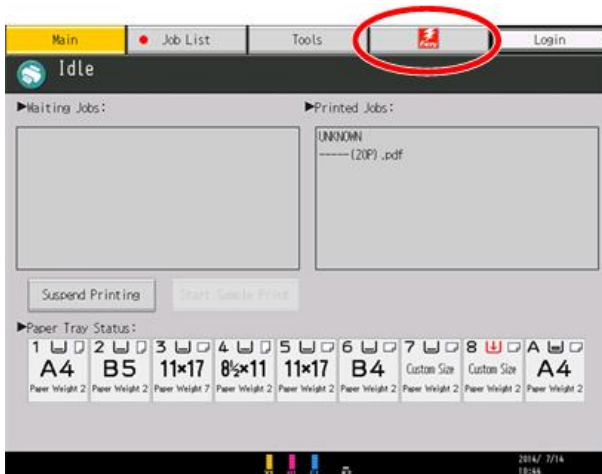
1. Press the [Home] key on the operation panel of the main machine and wait for a few minutes until the Fiery icon appears on the Home screen.

2. Press the Fiery icon to access to the Fiery menu screen.



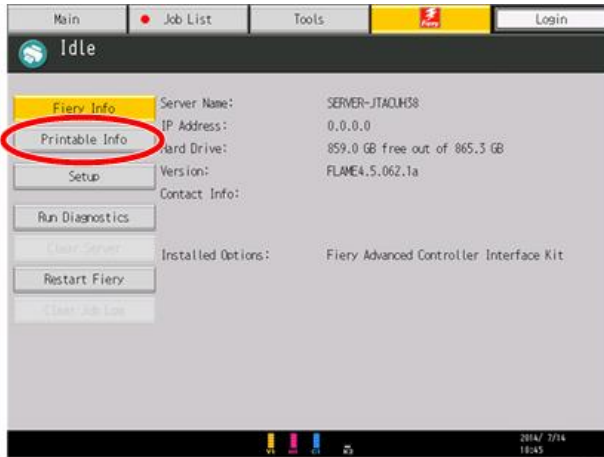
m205a2908

3. Move to the [Fiery] tab.



m205a4000

4. Press [Printable Info].



m205a4001

5. Select the test page to print.

- Configuration Page
- PS Test Page

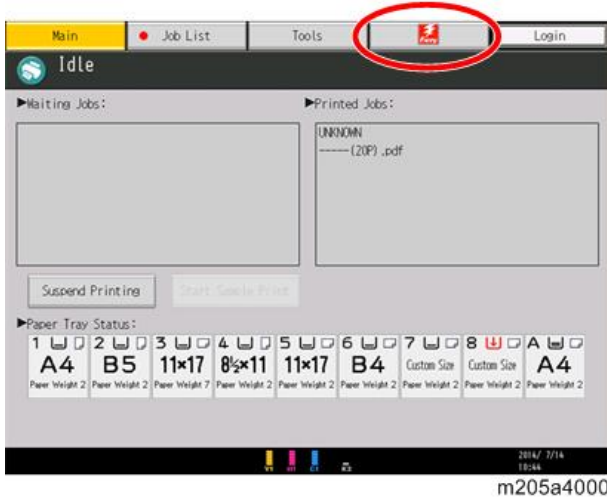


m205a4002

6. Examine the quality of the test pages.

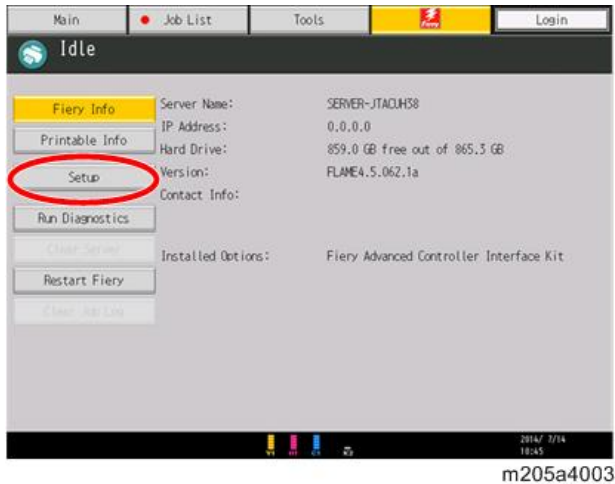
Network settings

1. Move to the [Fiery] tab from the Fiery menu screen.



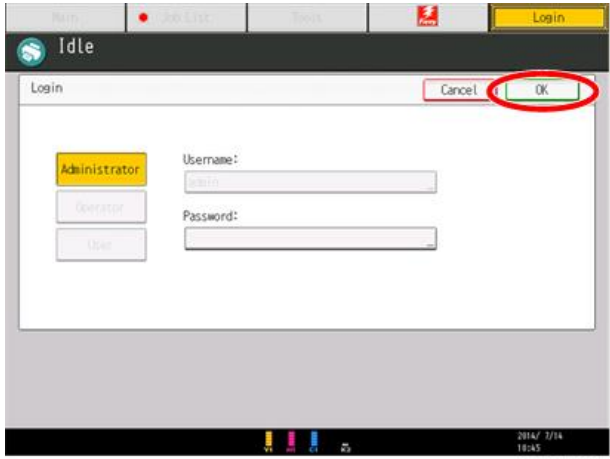
2

2. Press [Setup].



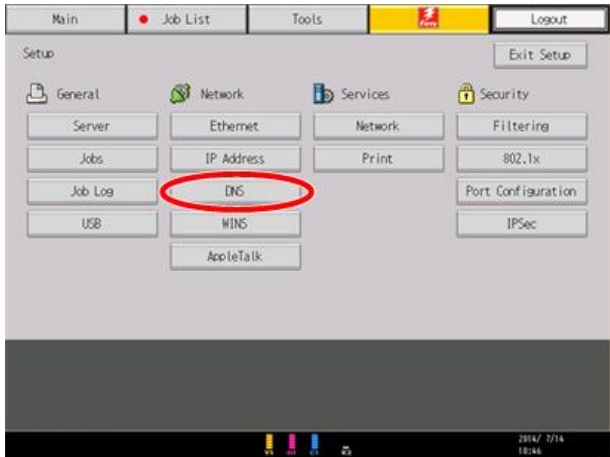
3. Log in as an administrator.

Enter the user name and password (The default is "Fiery.1"), and then press [OK].



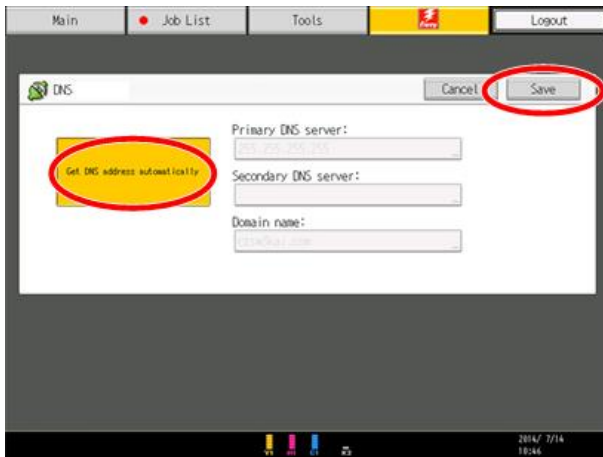
m205a4004

4. Press [DNS].



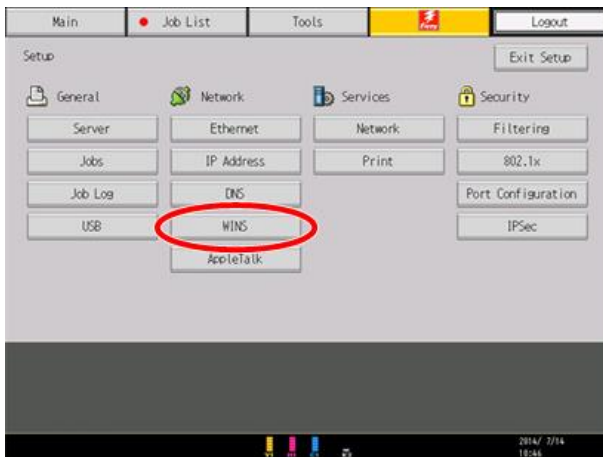
m205a4005

5. Configure the DNS address settings, and then press [Save].



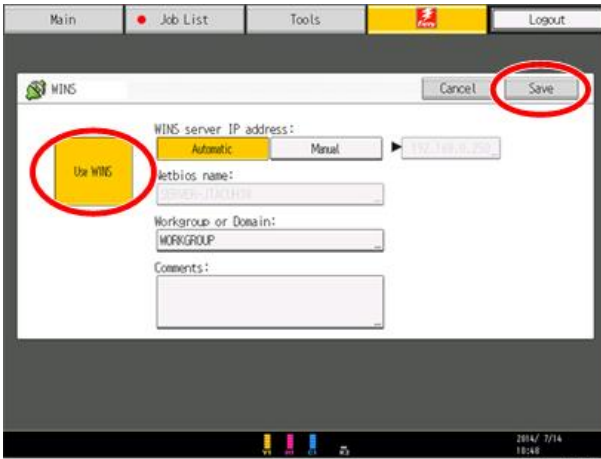
m205a4006

6. Press [WINS].



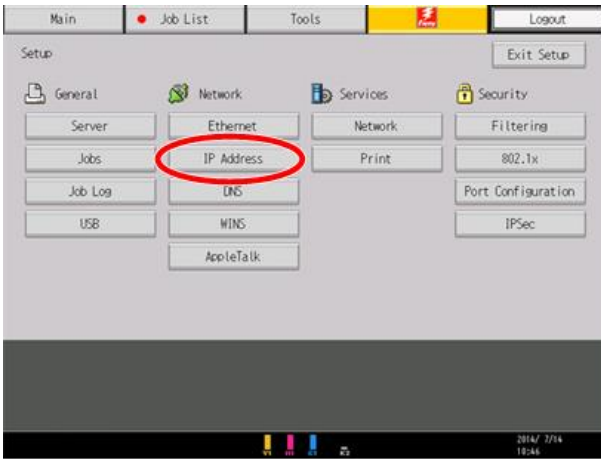
m205a4007

7. Configure the WINS settings, and then press [Save].



m205a4008

8. Press [IP Address].



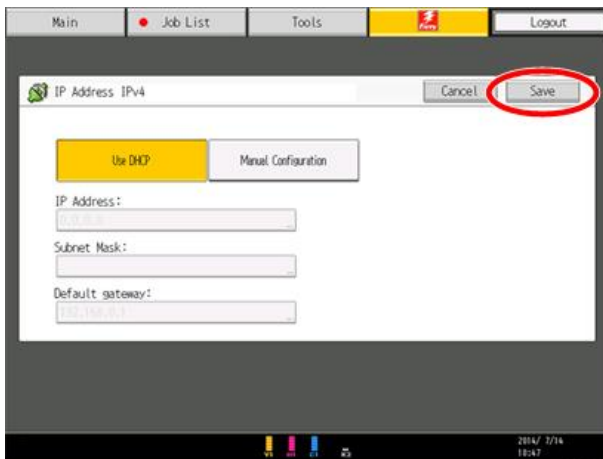
m205a4009

9. Press [IPv4 Address] or [IPv6 Address].



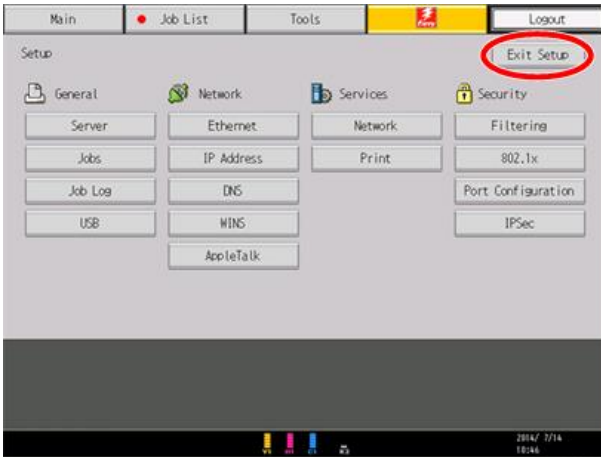
m205a4010

10. Configure the IP address settings, and then press [Save].



m205a4011

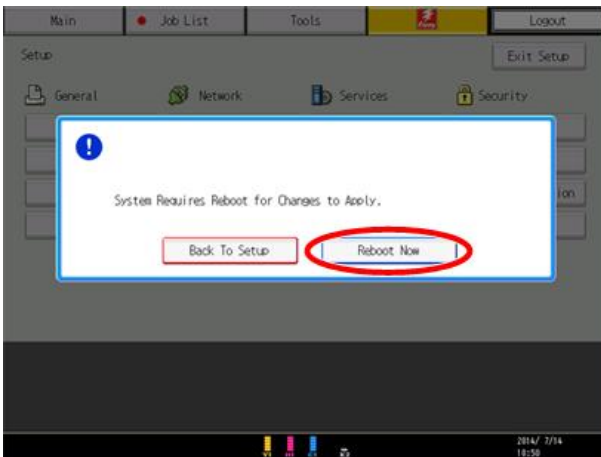
11. Press [Exit Setup].



m205a4012

12. Press [Reboot Now].

The system will reboot.



m205a4013

Turning off the Main Power Switch

Note

- When the activity light is lit or flashing, do not turn off the main machine. Doing so may damage the hard disk or memory and cause malfunctions.
- Make sure to turn off the main power switch before removing the power cords. Otherwise the hard disk or memory can be damaged and cause malfunctions.

- When you wish to turn on the machine right after the machine has turned off, wait at least two minutes before you turn on the machine again.

1. On the operation panel of the main machine, press the Fiery icon on the Home screen.
2. Select the [Fiery] tab.
3. Press [Restart Fiery].
4. Press [Shut Down], and then press [OK].
5. Press the main power switch [A] of the color controller.



6. Check that the activity light of the color controller is turned off.
7. Open the switch cover at the front left side of the fusing section on the main machine and press the main power switch [A].

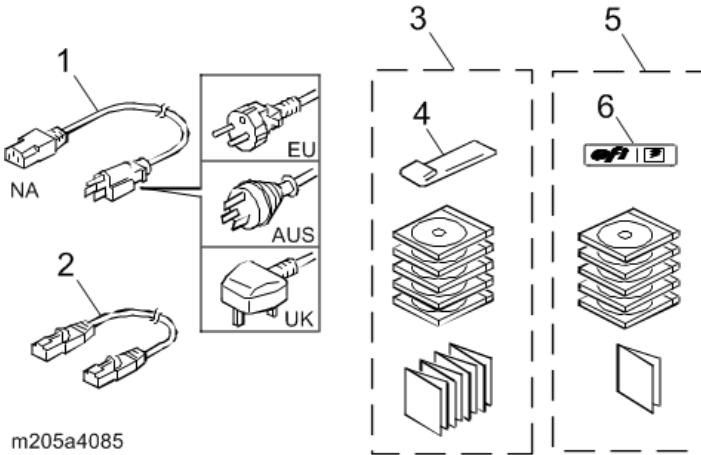


8. A message appears and after normal shut down, the machine powers down automatically.

Color Controller E-83 (M466)

Accessory Check

2



No.	Description	Q'ty
1	AC Power Cord	4
2	Interface Cable	1
3	Media Pack	1
4	Grayscale Strip	1
5	Service Kit	1
6	Fiery Decal	1

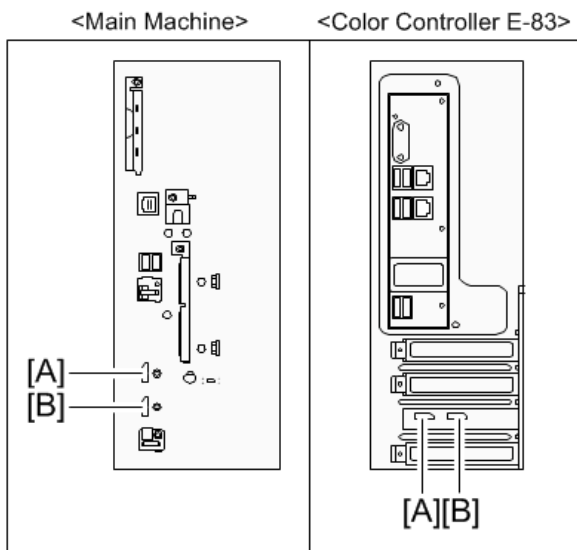
Installation

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

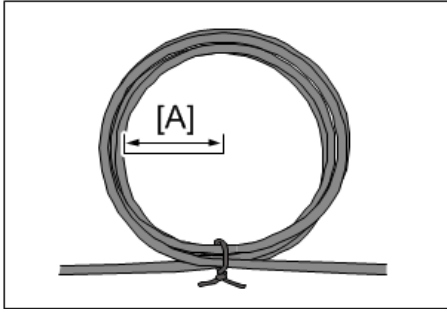
Note

- This guide covers hardware installation. It provides general information on connecting the E-83 to the customer's network. Explain the site administrator to refer the user's manual for network setup and configuration information.
- Before installation, the customer should be informed of the following:
 - The site administrator should be available during the installation for assistance with network connectivity issues.
 - The site administrator should have a network cable and documentation for the network settings.
 - The site administrator should have a networked computer available during the installation. The appropriate software should already be installed.
- There are two types of data transfer unit cables: A and B. Follow the procedures and connect the cables to the correct ports. Otherwise the machine can break down.



w_m205a4083

- [A]: Data Transfer Unit Port A
- [B]: Data Transfer Unit Port B
- Do not bend data transfer unit cables A/B. Doing so may cause failure in data transfer. When bundling the cables, tie up in a rounded shape and make sure the radius [A] is more than 10cm.



m205a0106

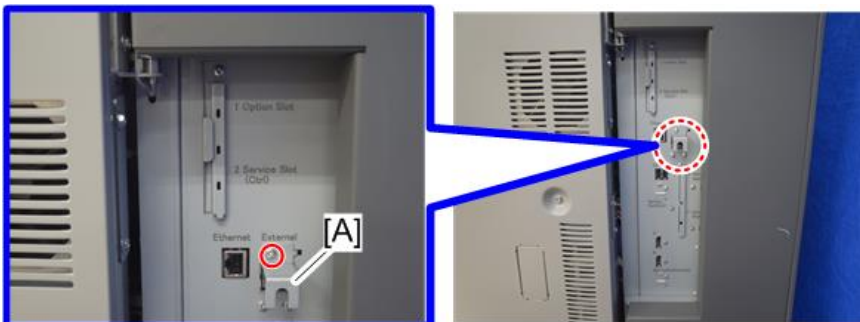
- Make sure to turn off the main power switch before removing the power cables. Doing so may cause malfunctions. For details about turning off the main power switch, see page 242 "Turning off the Main Power Switch".
- When you turn off the main machine, turn off the color controller too. When you turn on the color controller, you need to turn it on within one hour after the main machine is turned on.

1. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



m205a0328

2. Remove the protection cover [A] of the Gigabit Ethernet port for color controller. (🔧×1)



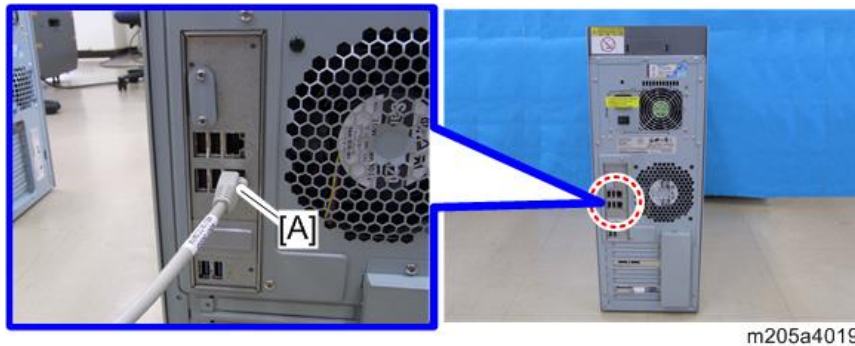
m205a0330

3. Connect the interface cable [A] to the Gigabit Ethernet port of the main machine and color controller. (🔌×2)

- Main machine



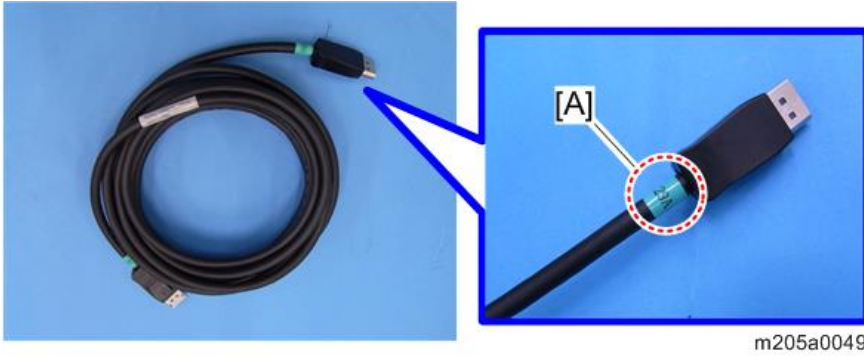
- Color controller



4. Connect the data transfer unit cable A provided with the main machine to the data transfer unit port A [A] of main machine and color controller. (📦 ×2)
5. Connect the data transfer unit cable B provided with the main machine to the data transfer unit port B [B] of main machine and color controller. (📦 ×2)

⬇️ **Note**

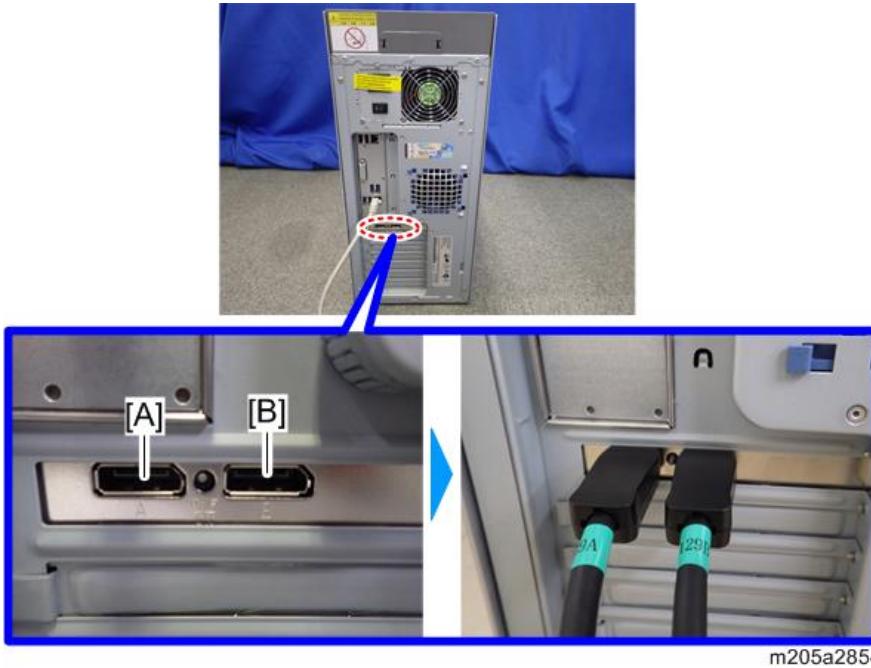
- There are two types of data transfer unit cables: A and B. Check [A] part of the data transfer unit cables, and then connect the cable which is described as "A" into the port marked "A". Connect the cable which is described as "B" into the port marked "B".



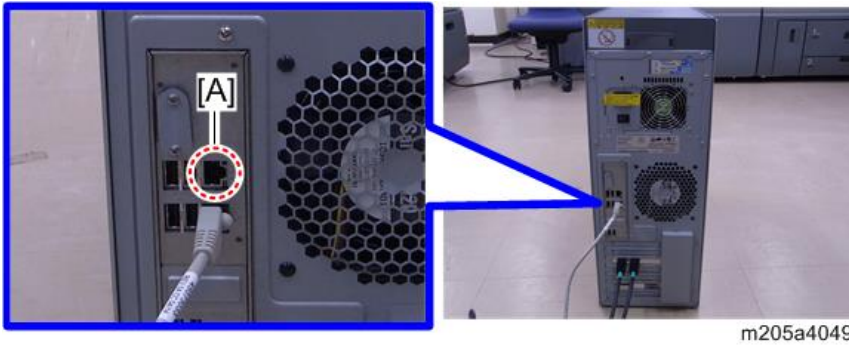
- Main machine



- Color controller



6. Connect the interface cable which is connected to a network to the Gigabit Ethernet port [A] of the color controller. (🔌 ×1)



7. Connect the power cord [A] to color controller.



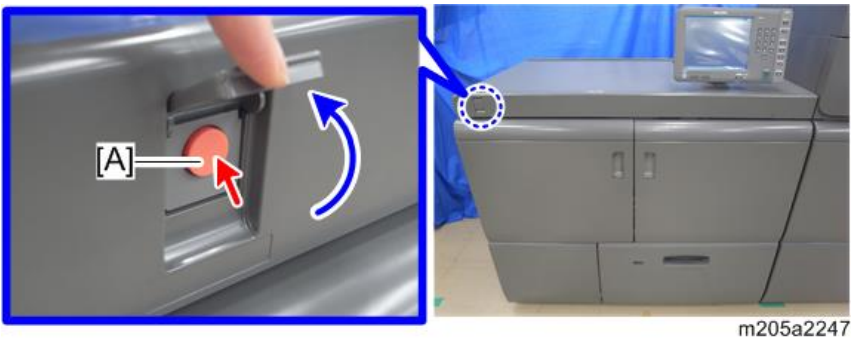
- 8. Plug the power cords of the main machine and color controller to the outlet.
- 9. Turn on the power switch [A] of color controller.



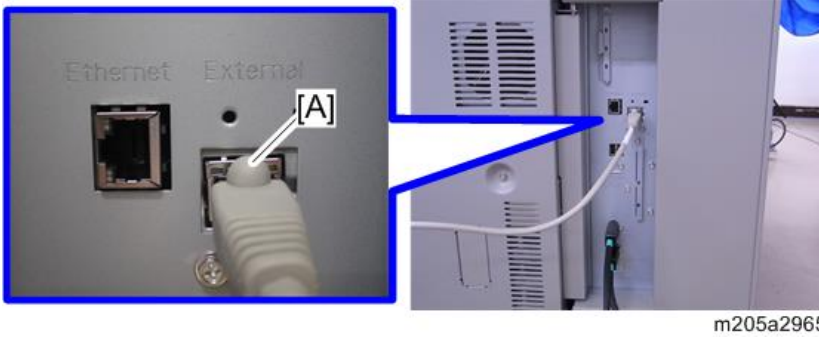
- 10. Press the main power switch [A] of the color controller.



- 11. Open the switch cover at the front left side of the fusing unit and press the main power switch [A].

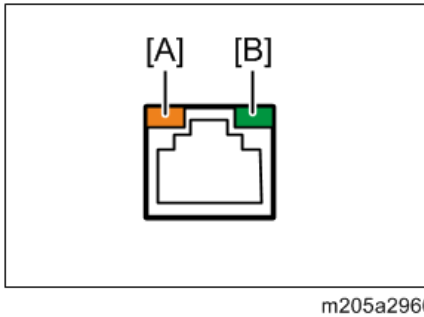


12. Check the LED status of Gigabit Ethernet port [A] for color controller.



↓ Note

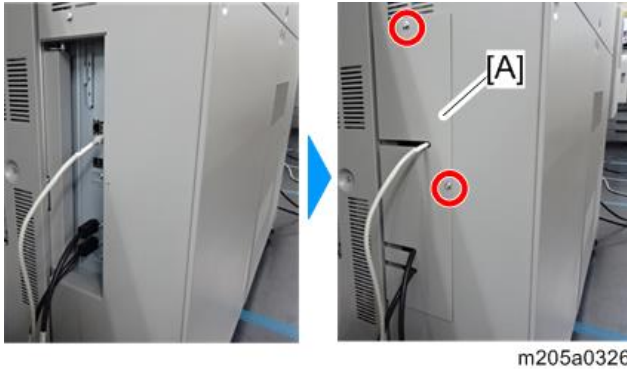
- Make sure that the LED [A] is lit orange and the LED [B] is lit green. If one of these LED is not lit, interface cable might be disconnected. Check the interface cable. When the machine is in low power mode, only the LED [A] is lit orange.



- There is an interlocking switch [A] at rear side of the color controller. If you turn on the interlocking switch (tilt downward), color controller turns off/on the power in tandem with the main machine's operation.

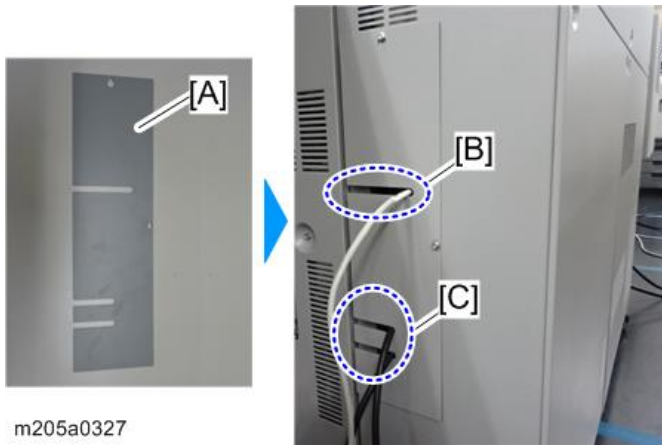


13. Attach the controller cover [A] as shown below. (🔩×2)



↓ Note

- When attaching the controller cover [A], route the interface cable [B] and two data transfer unit cables [C] through the cutouts in the controller cover.

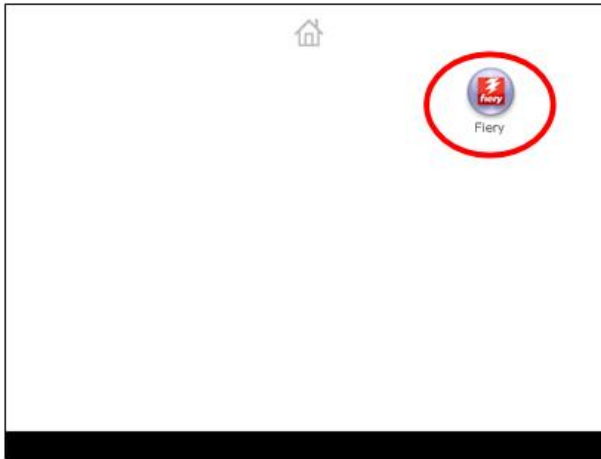


Startup and Initial Setup

Test print

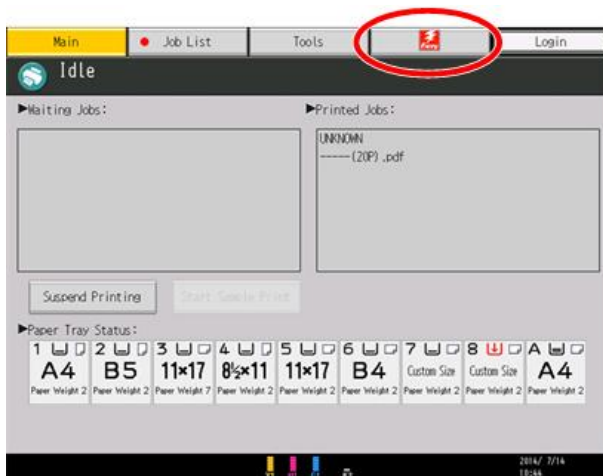
1. Press the [Home] key on the operation panel of the main machine and wait for a few minutes until the Fiery icon appears on the Home screen.

2. Press the Fiery icon to access to the Fiery menu screen.



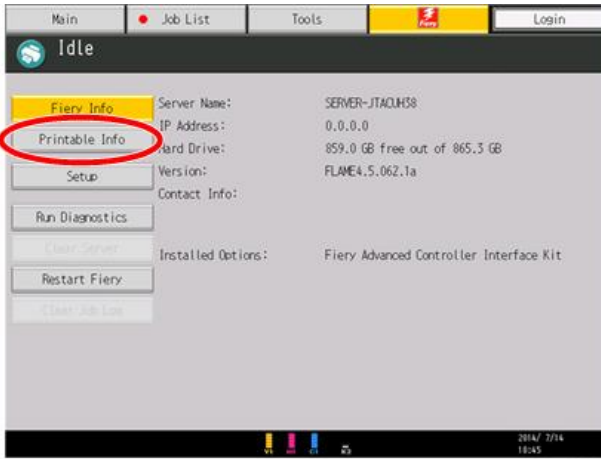
m205a2908

3. Move to the [Fiery] tab.



m205a4000

4. Press [Printable Info].



m205a4001

5. Select the test page to print.

- Configuration Page
- PS Test Page

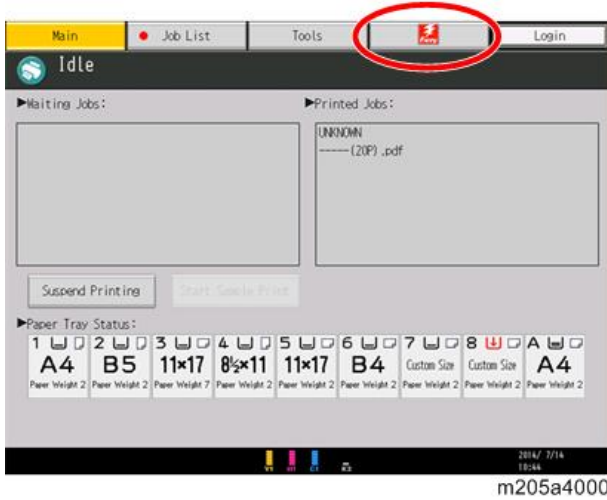


m205a4002

6. Examine the quality of the test pages.

Network settings

1. Move to the [Fiery] tab from the Fiery menu screen.



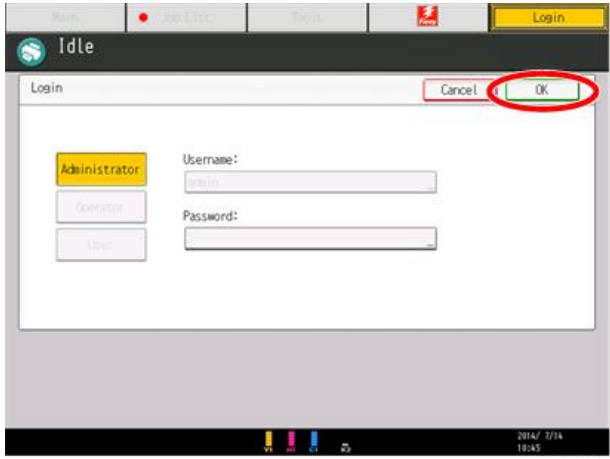
2

2. Press [Setup].



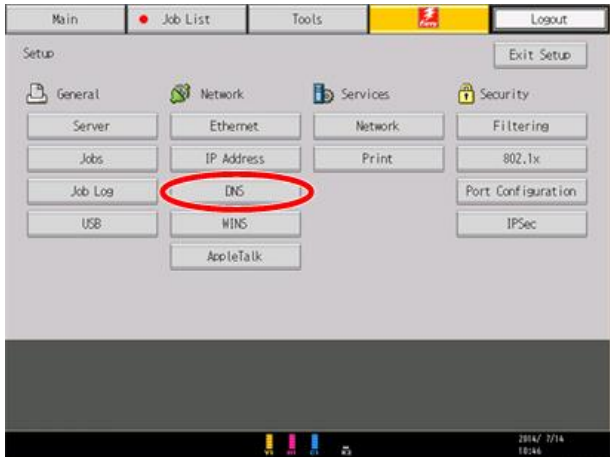
3. Log in as an administrator.

Enter the user name and password (The default is "Fiery.1"), and then press [OK].



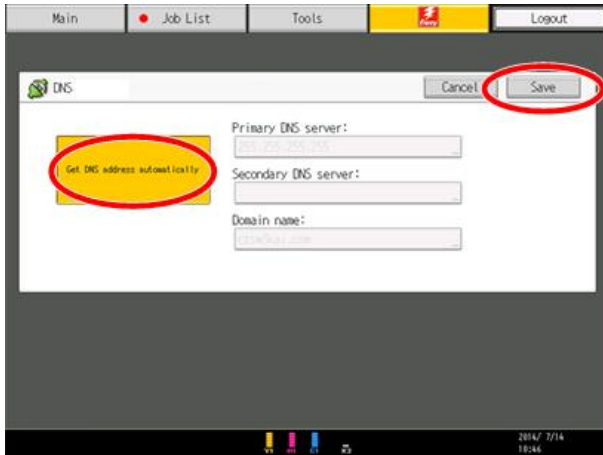
m205a4004

4. Press [DNS].



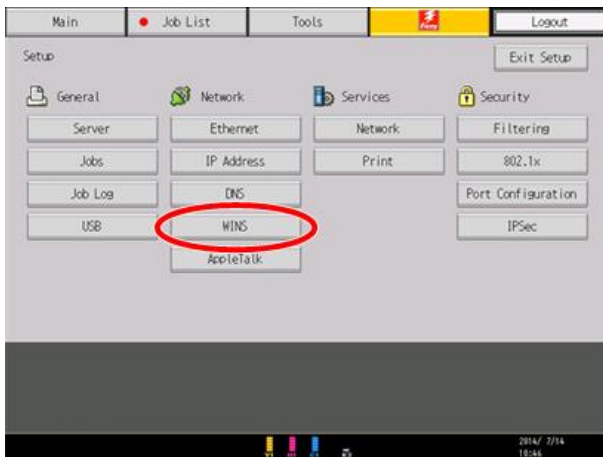
m205a4005

5. Configure the DNS address settings, and then press [Save].



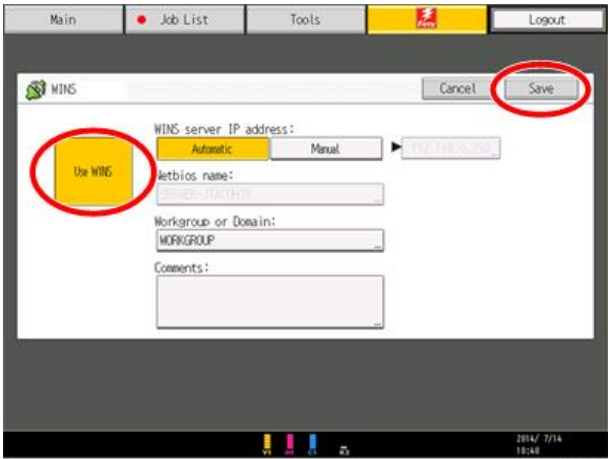
m205a4006

6. Press [WINS].



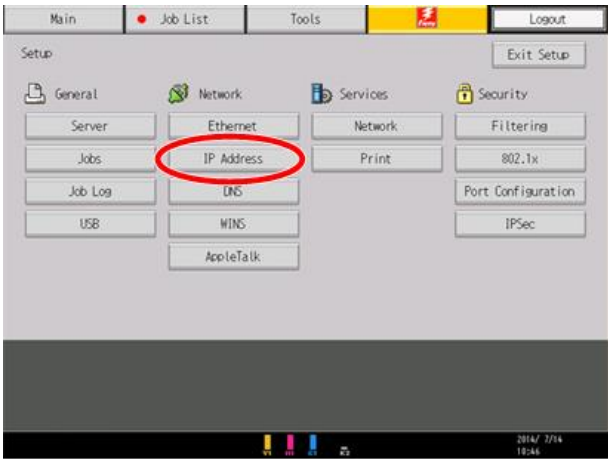
m205a4007

7. Configure the WINS settings, and then press [Save].



m205a4008

8. Press [IP Address].

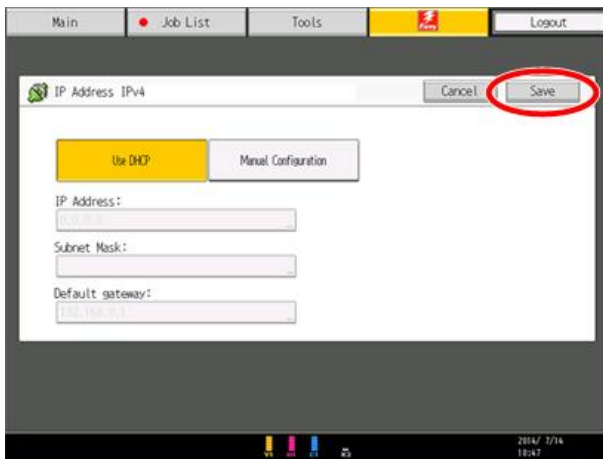


m205a4009

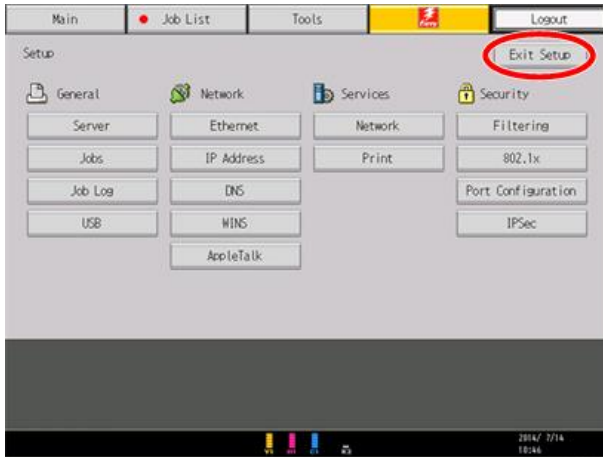
9. Press [IPv4 Address] or [IPv6 Address].



10. Configure the IP address settings, and then press [Save].



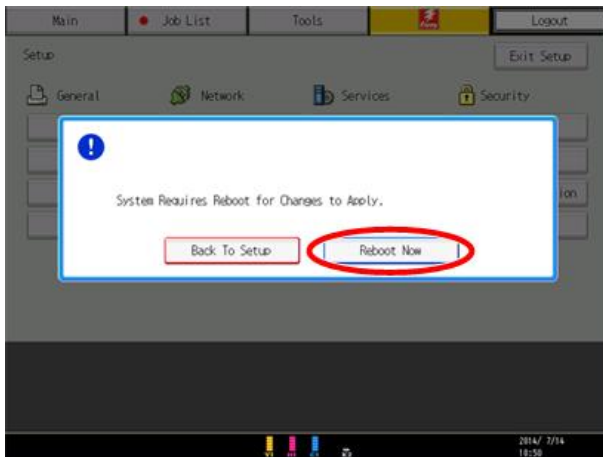
11. Press [Exit Setup].



m205a4012

12. Press [Reboot Now].

The system will reboot.



m205a4013

Turning off the Main Power Switch

Note

- When the activity light is lit or flashing, do not turn off the main machine. Doing so may damage the hard disk or memory and cause malfunctions.
- Make sure to turn off the main power switch before removing the power cords. Otherwise the hard disk or memory can be damaged and cause malfunctions.

- When you wish to turn on the machine right after the machine has turned off, wait at least two minutes before you turn on the machine again.

1. On the operation panel of the main machine, press the Fiery icon on the Home screen.
2. Select the [Fiery] tab.
3. Press [Restart Fiery].
4. Press [Shut Down], and then press [OK].
5. Press the main power switch [A] of the color controller.



6. Check that the activity light of the color controller is turned off.
7. Open the switch cover at the front left side of the fusing section on the main machine and press the main power switch [A].

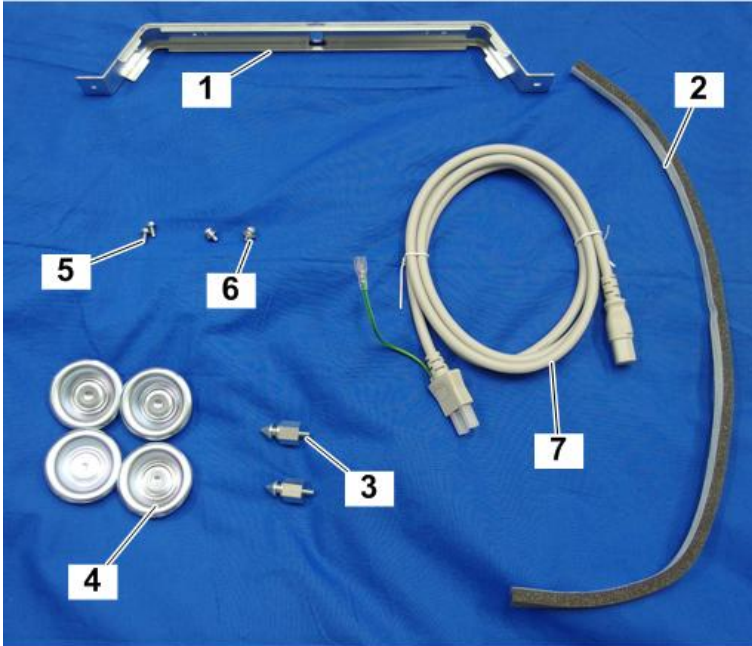


8. A message appears and after normal shut down, the machine powers down automatically.

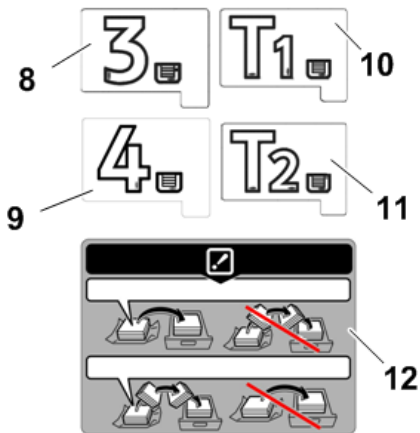
Vacuum Feed LCIT RT5100 (D777)

Accessory Check

2



d194d9164



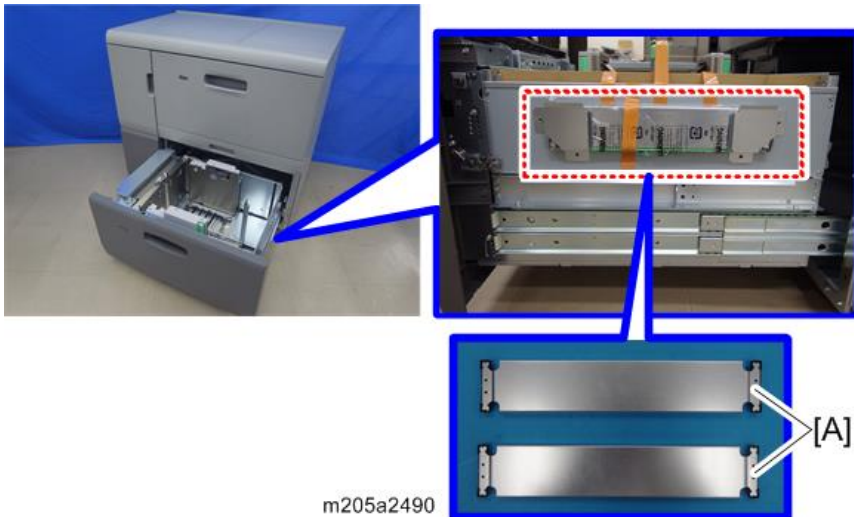
d194d9165

No.	Description	Q'ty
1	Joint Bracket	1

No.	Description	Q'ty
2	Sponge Strip	1
3	Joint Bracket	2
4	Leveling Shoes	4
5	Screws (M4×10)	2
6	Screws (M5×10) with lock washer	2
7	Power Cord	1
8	Tray Number Decal 3	1
9	Tray Number Decal 4	1
10	Tray Number Decal T1	1
11	Tray Number Decal T2	1
12	Paper Set Direction Decal	2

↓ **Note**

- The auxiliary bottom plates [A] provided with the LCIT will be needed to install the Vacuum Feed Banner Sheet Tray S3 on the LCIT.



Installation Procedure

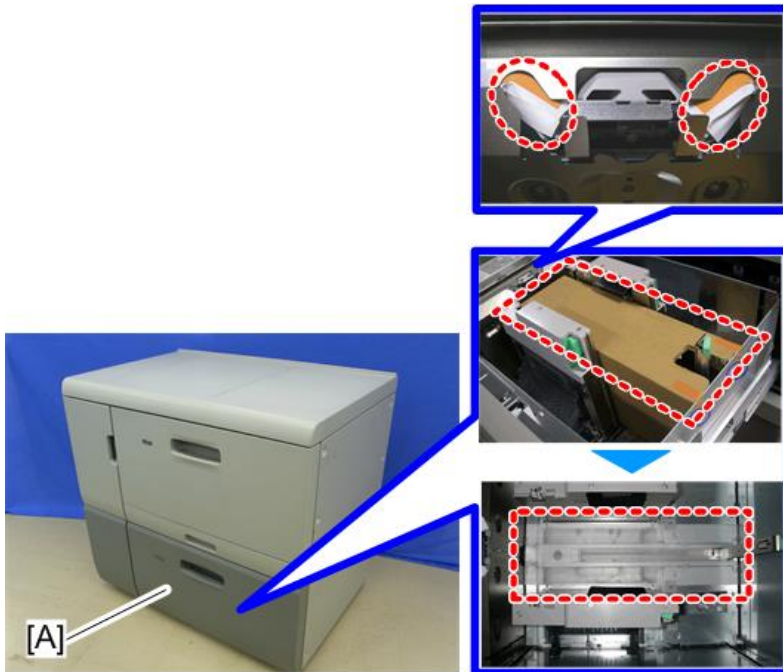
⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

↓ Note

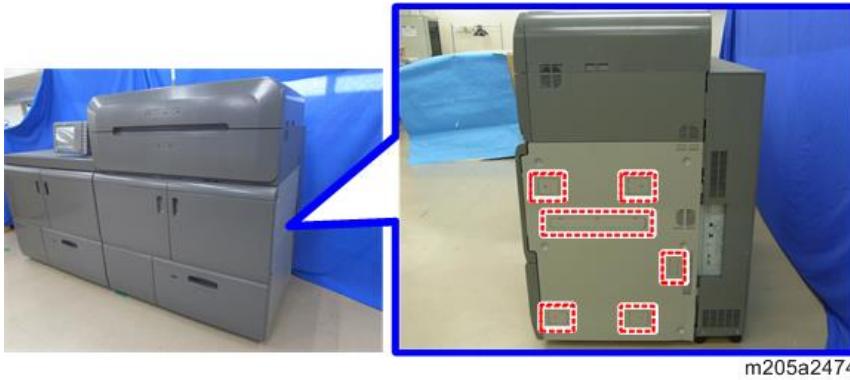
- This option is installed on the main machine as an upstream unit. Up to three LCIT can be connected on the main machine using the Bridge Unit BU5010. The installation procedure is the same, whether you install the LCIT on the main machine, or install on the Bridge Unit BU5010. This section describes how to install the LCIT on the main machine.

1. Remove all tape and retainers from the exterior of the LCIT.
2. Open the bottom tray [A] and remove the shipping materials.



m205a0151

3. Remove the LCIT connecting covers from the main machine.



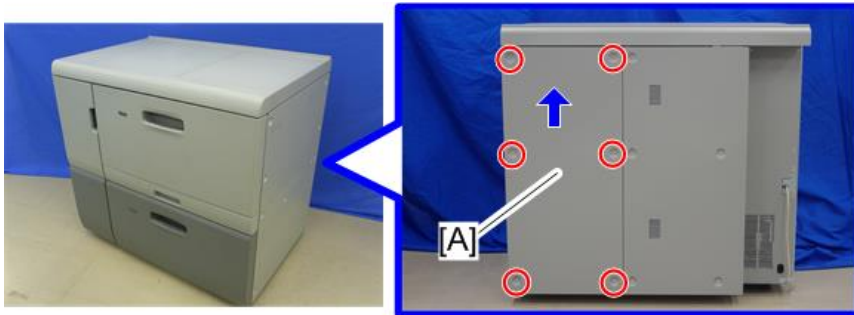
4. Install the joint pins [A] and [B] on the right side of the main machine, and then tighten them with a wrench.



5. Install the joint bracket [A] on right side of the main machine. (Ⓜ×2: M5×10)

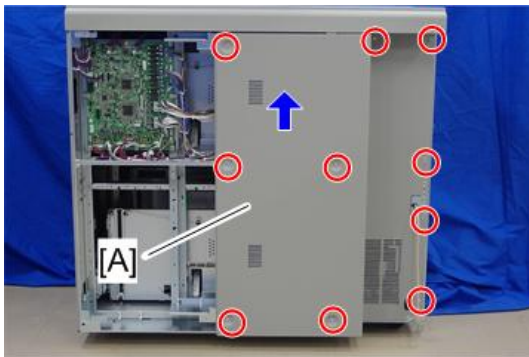


6. Remove the rear left cover [A] from the LCIT. (⚙️ ×6)



m205a2477

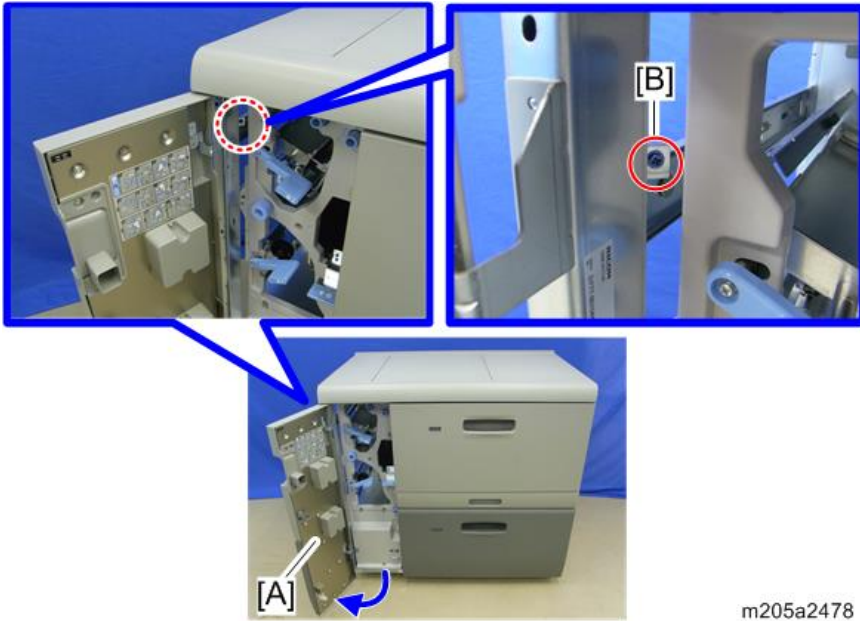
7. Remove the rear right cover [A] from the LCIT. (⚙️ ×10)



d777z5005

8. Open the front door [A], and then unlock the connecting lever [B]. (⚙️ ×1)

Keep the screw. It will be needed to lock the connecting lever after connecting LCIT with the main machine in Step 11.



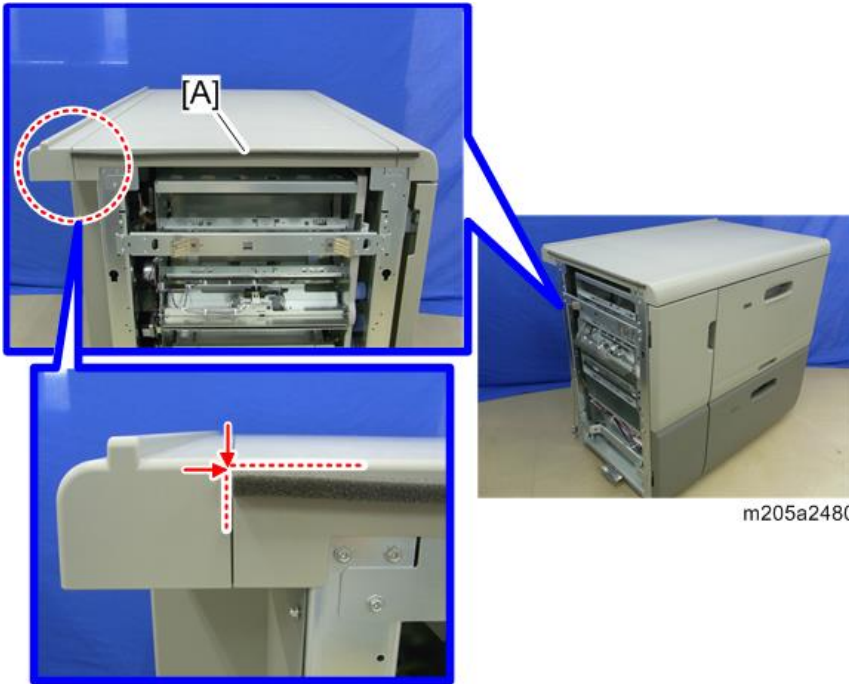
m205a2478

9. Remove the ground plate [A], and then reinstall it as shown below. (⚙️ ×2)

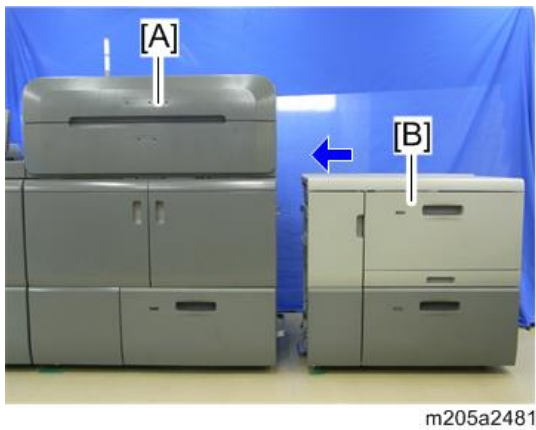


m205a2479

10. Attach the sponge strip [A] to the top left edge of the LCIT as shown below.



11. Push the LCIT [B] onto the right side of the main machine [A] slowly, and then install it.

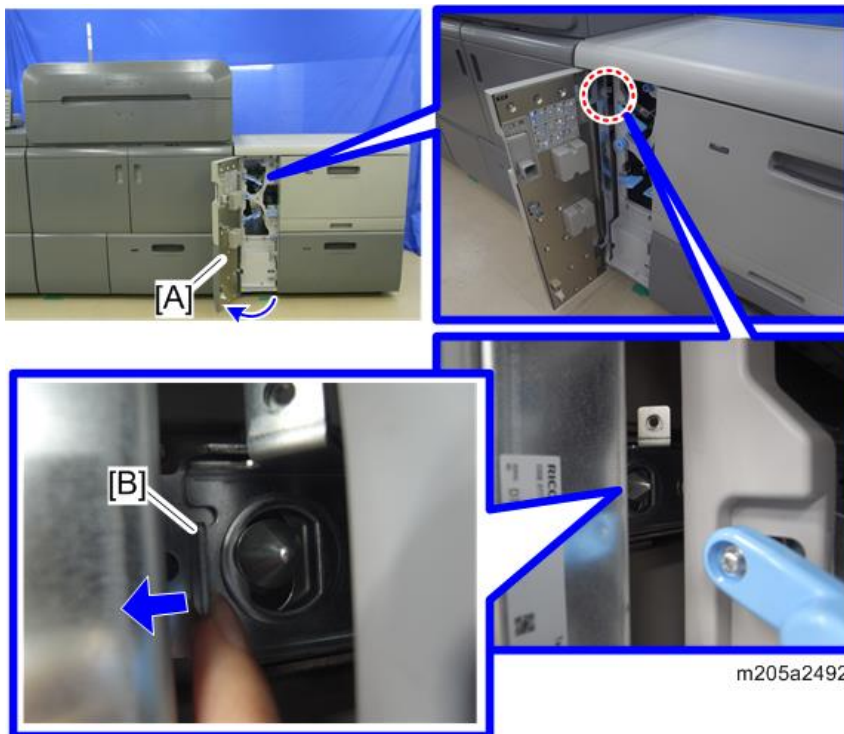


Note

- When you install the LCIT, align the notched pins [A] and joint bracket [B] on the right side of the main machine with the pin holes [C] and bracket [D] of the LCIT.

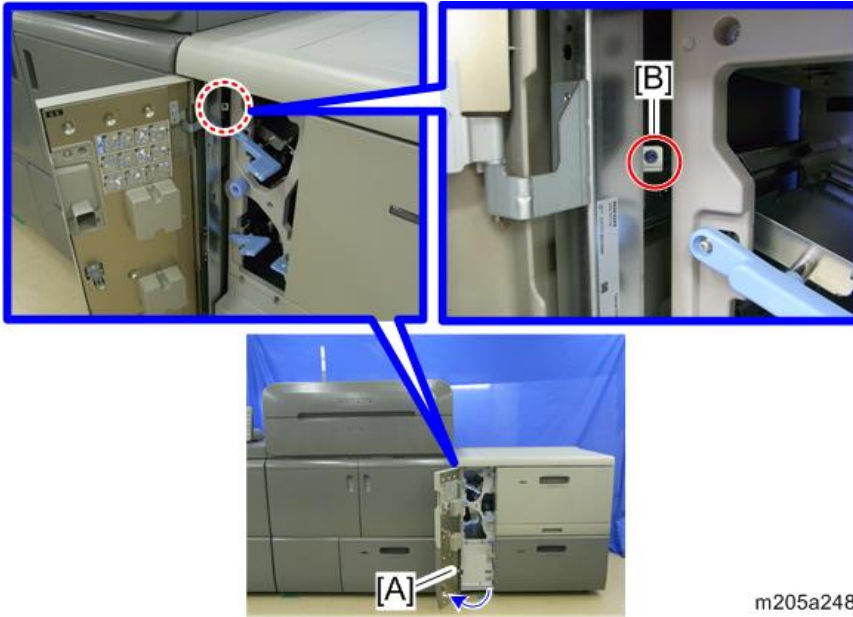


- To disconnect the LCIT from the main machine, open the front door [A] of the LCIT, and then disconnect the LCIT while pressing the connecting lever [B] in the direction indicated with the arrow.



12. Open the front door [A], and then secure the connecting lever [B]. (⌀×1)

Use the screw removed in Step 7.

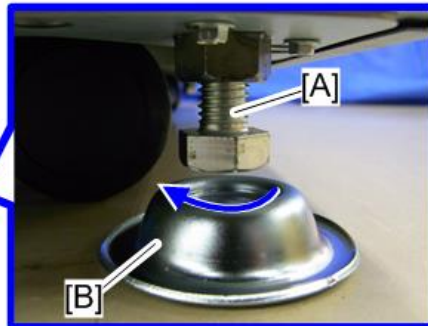


m205a2483

13. Place the four shoes [B] below the bolts [A] under each corner of the LCIT.

14. Turn the nuts [A] until the bolts reach the leveling shoes [B].

Example below: Front side



m205a2484

15. Place a level on the top of the LCIT, and then adjust the machine level until the machine is less than 5mm from level (measure from left-to-right/measure from front-to-rear).

- 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.
- 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.

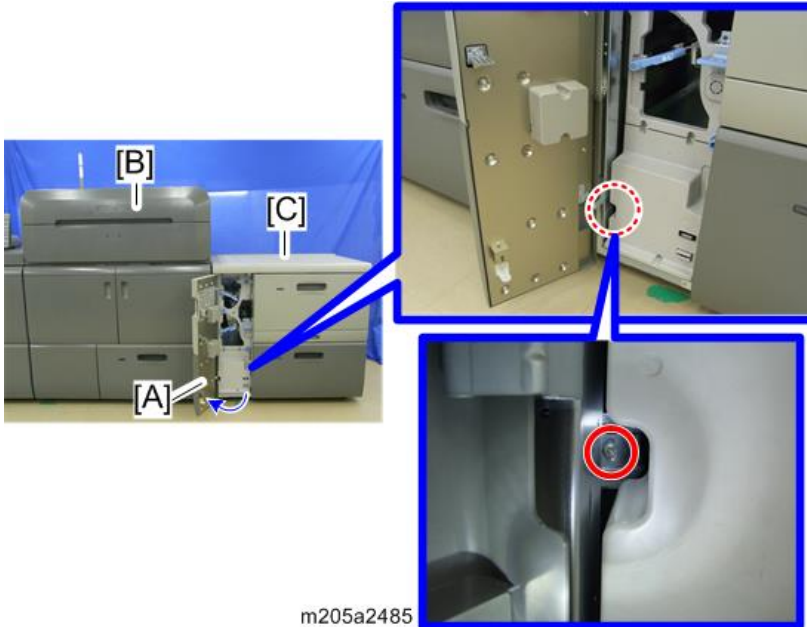
Note

- When you adjust the machine level, open the front door [A] and then confirm that the height of the LCIT exit [B] is at the same height as the main machine's paper entrance [C].

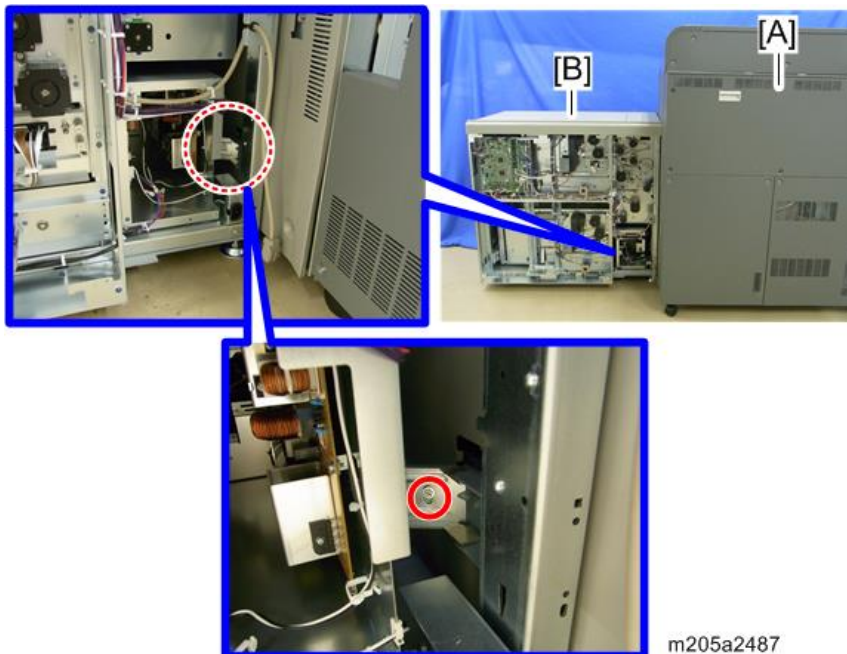


m205a2491

16. Open the front door [A], and then secure the front side of the main machine [B] and LCIT [C]. (Ⓜ[Ⓜ]×1: 4×10)



17. Secure the rear side of the main machine [A] and LCIT [B]. (Ⓜ[Ⓜ]×1: 4×10)



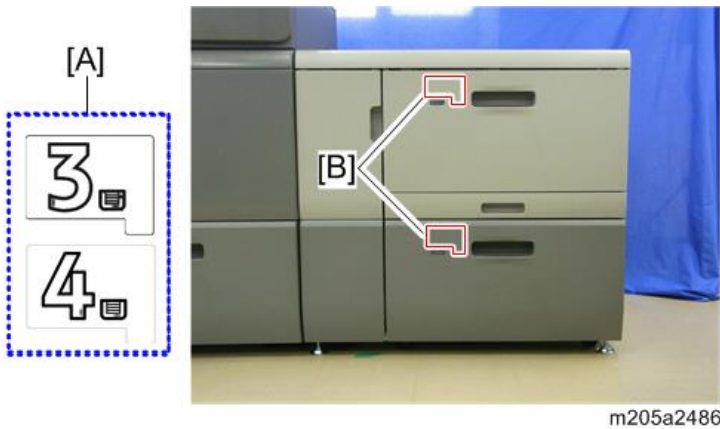
18. Reattach the rear left cover and rear right cover of the LCIT.

19. Connect the LCIT I/F cable [A] to the main machine.



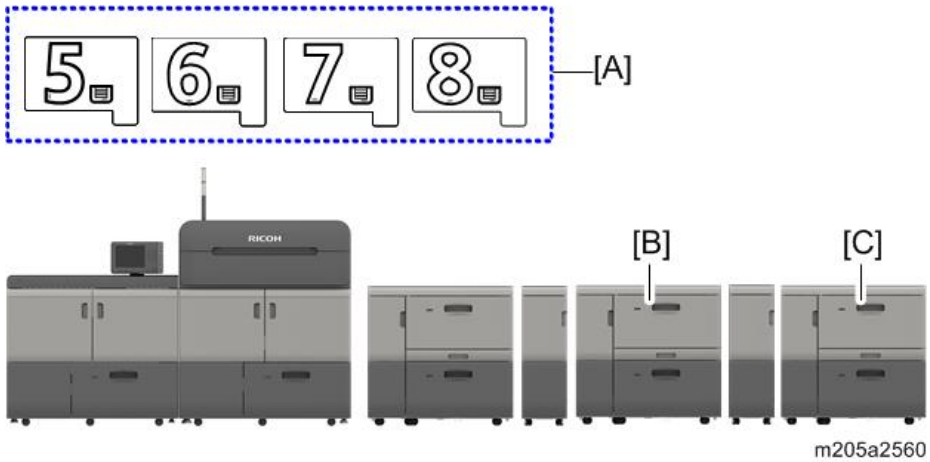
20. To attach the tray number decals [A] provided with the LCIT, attach them to the position [B] (above the LEDs).

Attach the decal "3" on the top tray, attach the decal "4" on the bottom tray.

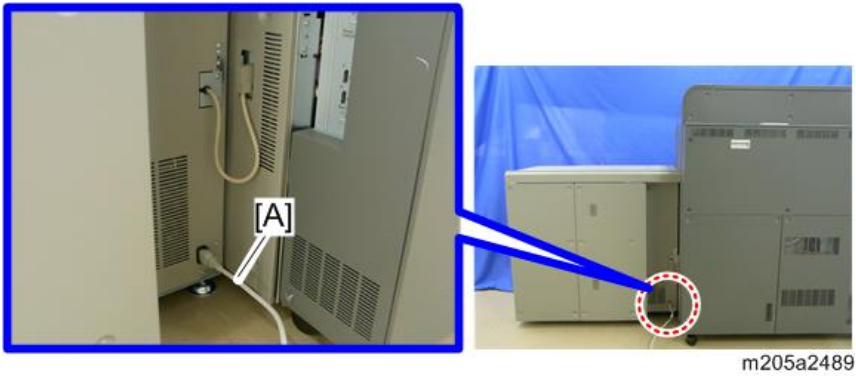


Note

- When you install two or three LCIT on the main machine, attach the tray number decals [A] provided with Bridge Unit BU5010 on 2nd LCIT [B] and 3rd LCIT [C]. Attach the decal "5" on the top tray, attach the decal "6" on the bottom tray of 2nd LCIT. Attach the decal "7" on the top tray, attach the decal "8" on the bottom tray of 3rd LCIT.



21. Connect the power cord [A] provided with the LCIT to the power inlet on the LCIT.



22. Plug the power cord of the LCIT into the power source.

23. Plug the power cord of the main machine into the power source, and then turn on the main power switch.

Tray Heater (Option)

An optional tray heater can be installed under the paper tray 2. (page 539 "Tray Heater (Vacuum Feed LCIT RT5100)") This heater is independent of the ON/OFF power switch of the main machine and is constantly activated if the power cord of the vacuum feed LCIT is plugged in.

Bridge Unit BU5010 (D778)

Note

- Up to three units of vacuum feed LCIT RT5100 can be connected by installing a bridge unit BU5010 [A] between them.



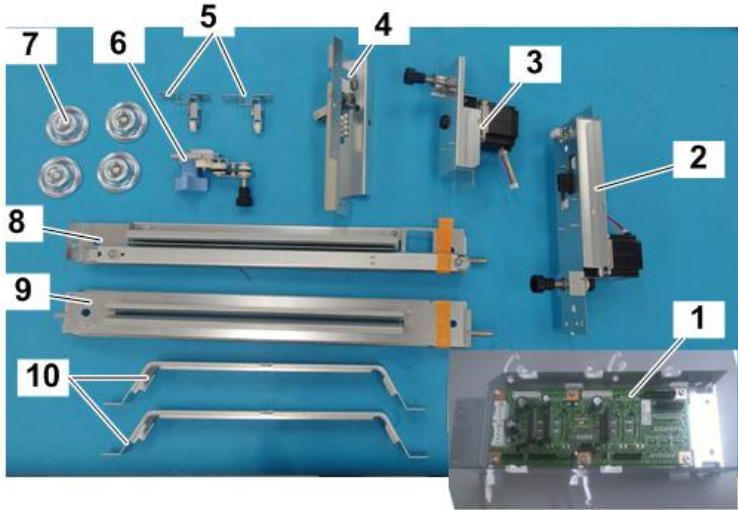
Accessories

No.	Description	Q'ty
*	Horizontal Transport Unit	1
1	Control Board	1
2	Exit Motor Unit	1
3	Entrance Motor Unit	1
4	Detent Unit	1
5	Detent	2
6	Jam Removal Lever	1
7	Leveling Shoes	4
8	Left Slide Rail	1
9	Right Slide Rail	1
10	Joint Bracket	2
11	Interface Harness	1
12	Interlock Switch Harness	1

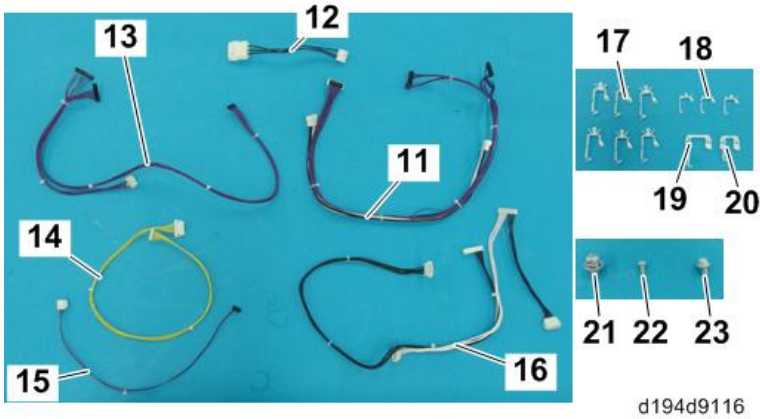
No.	Description	Q'ty
13	Drawer Connector Harness	1
14	Communication Harness	1
15	Cooling Fan Harness	1
16	Motor Harness	1
17	Clamp (large)	6
18	Clamp (small)	3
19	Edge Saddle (large)	1
20	Edge Saddle (small)	1
21	Screw with Spring Washer (M5x10)	8
22	Screw (M3x6)	4
23	Tapping screw (M4x8)	25
24	Fan Assembly	1
25	Decal - Paper Feed Tray [5]	1
26	Decal - Paper Feed Tray [6]	1
27	Decal - Paper Feed Tray [7]	1
28	Decal - Paper Feed Tray [8]	1
29	Decal - U10 Knob	1
30	Decal - Paper Feed Tray [T3] *Not used with this machine	1
31	Decal - Paper Feed Tray [T4] *Not used with this machine	1



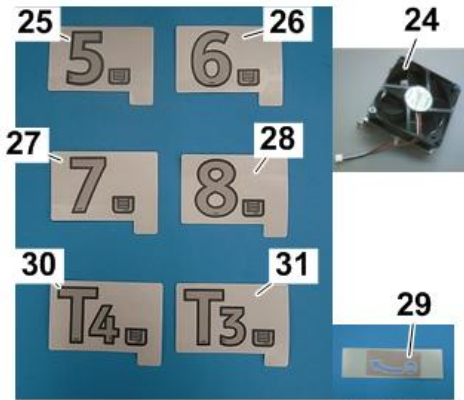
d194d9117



d194d9115



d194d9116



d194d9170

Installation

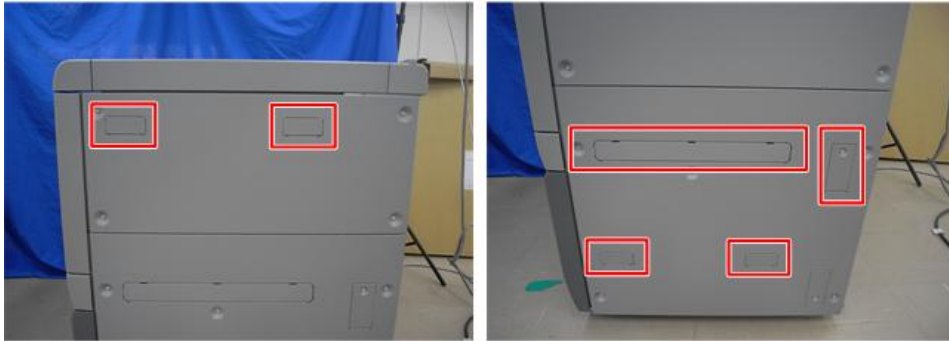
⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

Horizontal Transport Unit

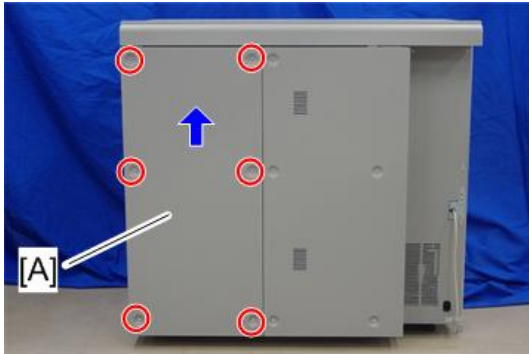
1. Remove all visible external tapes on the external surfaces.

2. Remove the six covers on the right side of the downstream vacuum feed LCIT.



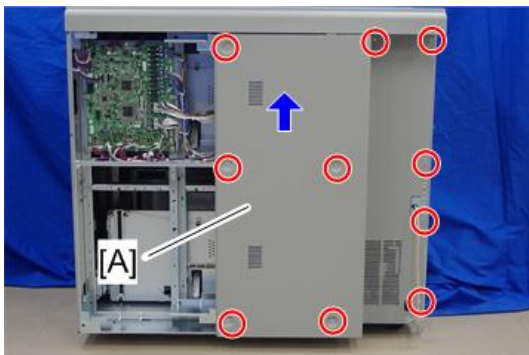
d777z0043

3. Lift the rear right cover [A] of the downstream vacuum feed LCIT and remove it. (⚙️×6)



d777z5004

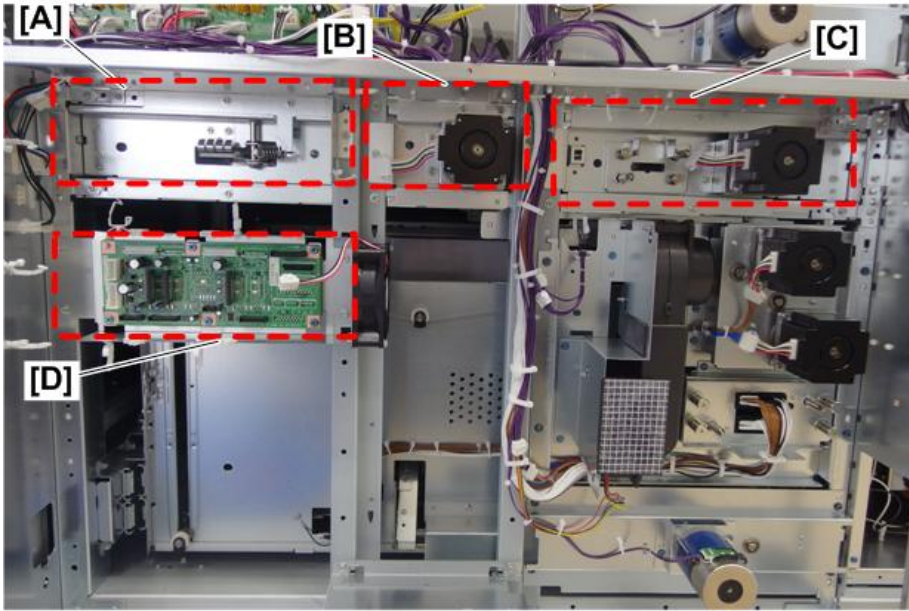
4. Lift the rear left cover [A] of the downstream vacuum feed LCIT and remove it. (⚙️×10).



d777z5005

↓ Note

- Attaching position of the four units



d194d9125

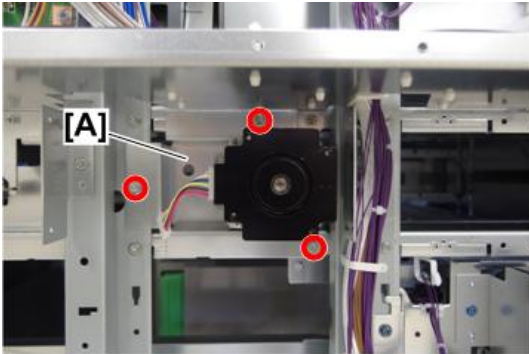
- [A]: Detent unit
- [B]: Entrance motor unit
- [C]: Exit motor unit
- [D]: Control board

5. Attach the detent unit [A]. (🔩x3: M4x8)



d194d9119

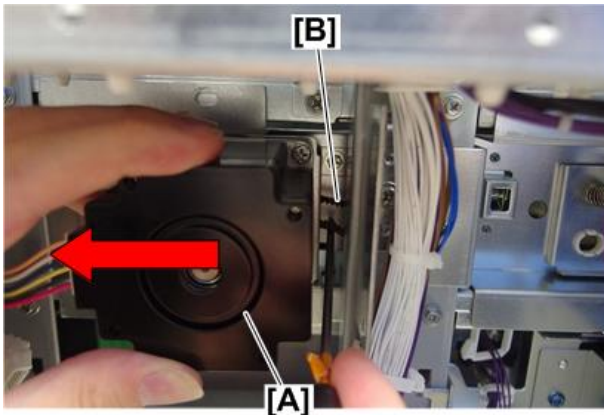
6. Attach the entrance motor unit [A]. (⌀ ×3: M4×8)



d194d9120

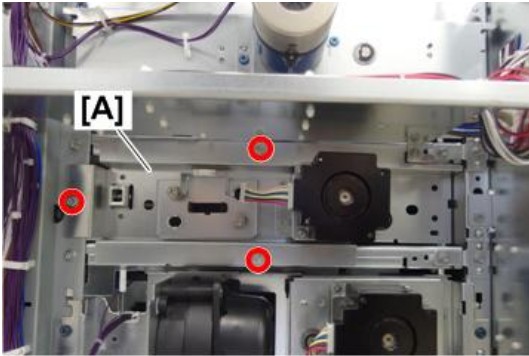
Note

- Check that the belt is not out of position. If the belt is out of position, a horizontal transport unit jam occurs.
- Before securing the motor unit [A], slide it to the left. From the resulting gap, insert a thin screwdriver or other tool to check the belt [B] tension.



d194d9173

7. Attach the exit motor unit [A]. (🔩×3: M4×8)

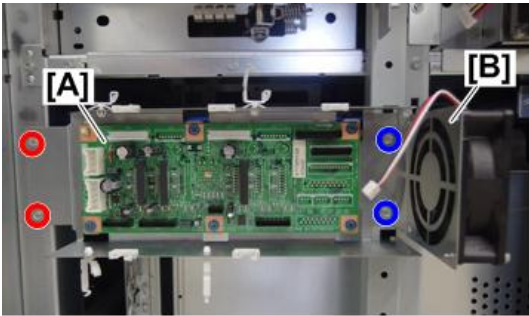


d194d9121

8. Attach the control board [A] and fan assembly [B]. (🔩×4: M48)

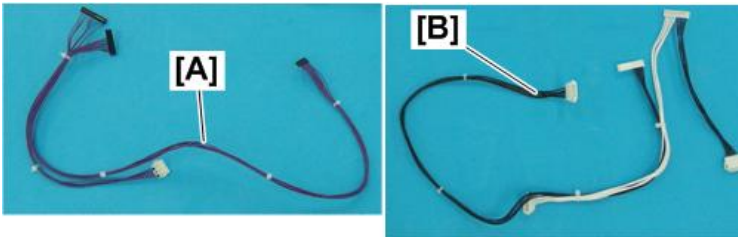
Note

- Tighten the fan assembly [B] and control board [A] together (blue circle).



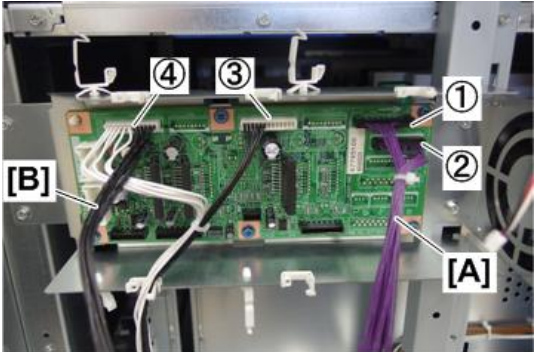
d194d9122

9. Connect the drawer connector harness [A] and motor harness [B] to the control board. (🔌×4)



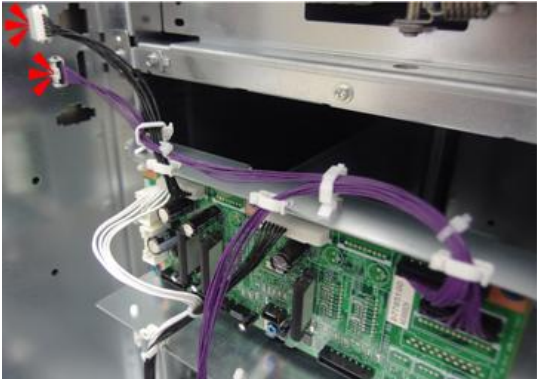
d194d9124

①	CN208	③	CN210
②	CN207	④	CN205



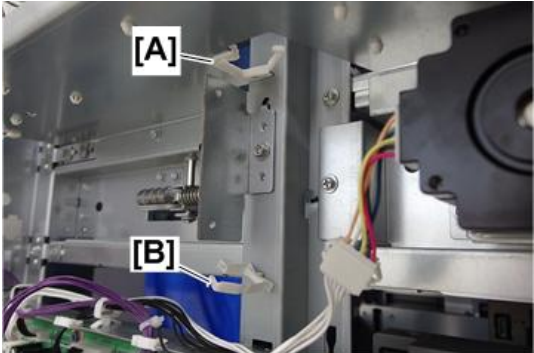
d194d9126

10. Route the drawer connector harness and motor harness as shown below, and then insert the connectors into the relay connectors in the frame.



d194d9127

11. Attach the edge saddles [A] [B] provided with this option to the following locations.



d194d9128

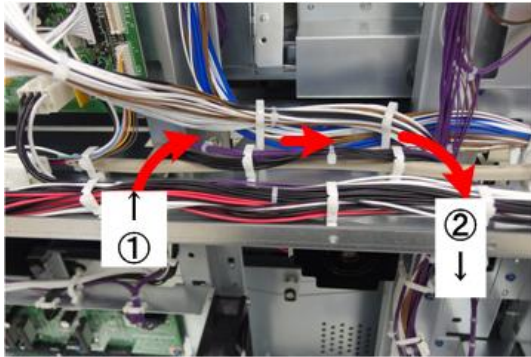
12. Route the drawer connector harness and motor harness as shown below. Then connect the connectors to the drawer connector and motor. (📦 x2, 🛠️ x4)

Control Board



d194d9129a

Upper Side



d194d9129b

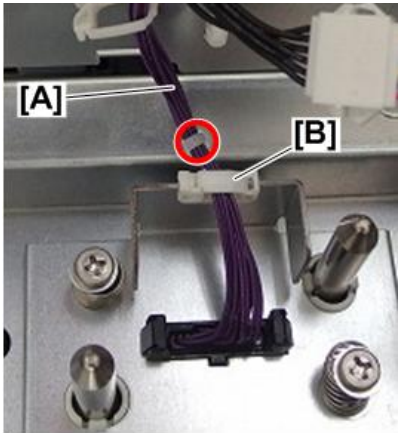
Exit Motor Unit



d194d9129c

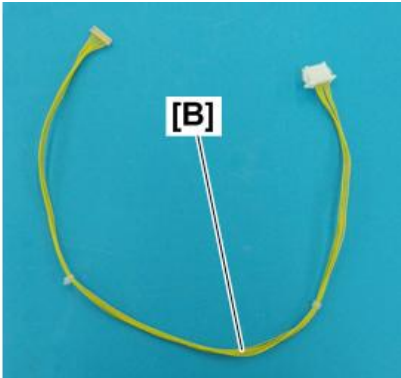
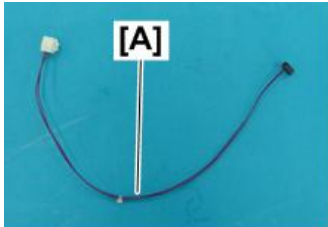
Note

- Route the harness [A] so that the bind shown in red circle is located above the edge saddle [B].



d194d9129d

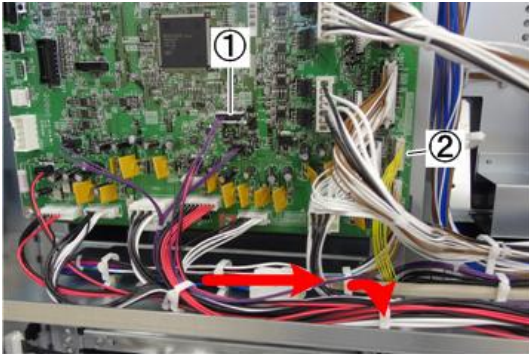
13. Connect the cooling fan harness [A] and communication harness [B] to the main board of the vacuum feed LCIT. (📦 x2)
14. Route the cooling fan harness and communication harness as shown below. Then connect the connector of the cooling fan harness to the cooling fan, and insert the connector of the communication harness into the relay connector in the frame. (📦 x1)



d194d9131

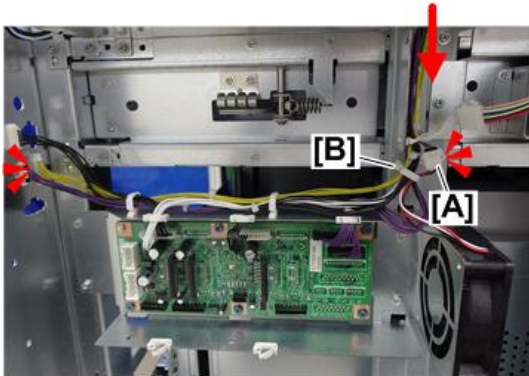
①	CN37
②	CN13

Main Board of the Vacuum Feed LCIT



d194d9130a

Control Board



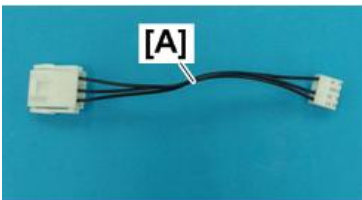
d194d9130b

↓ Note

- Route the cooling fan harness so that the connector [A] is located above the clamp [B].

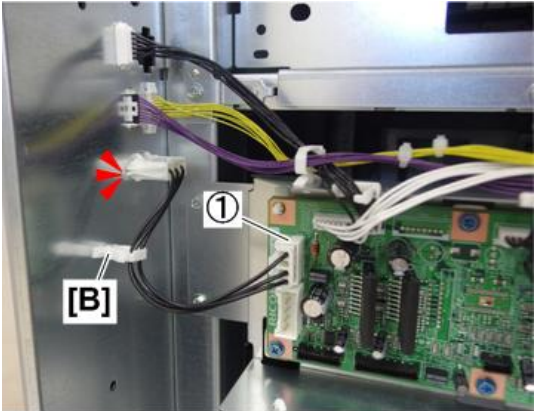
15. Connect the interlock switch harness [A] to the control board. (📦 x1)

16. Insert the connector of the interlock switch harness into the relay connector in the frame through the clamp [B] provided with this option.



d194d9132

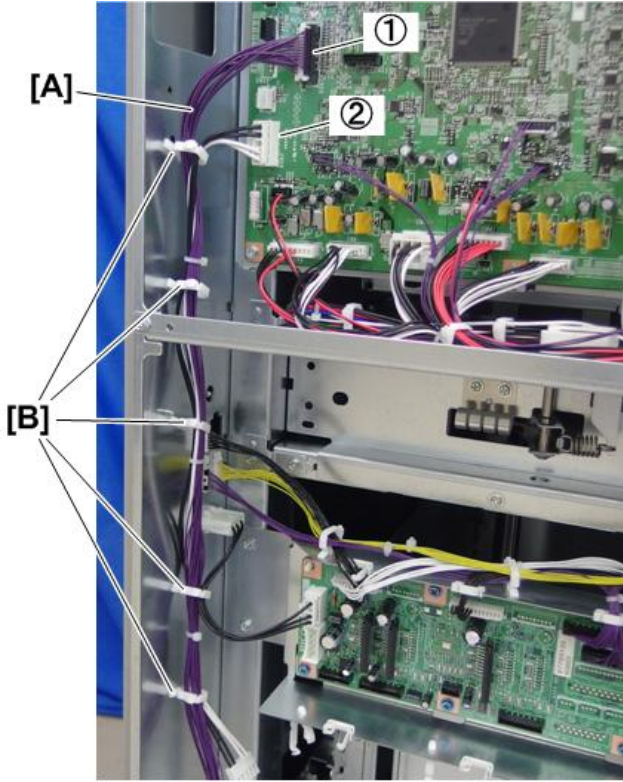
①	CN216
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d194d9133

- 17. Connect the interface harness [A] to the main board of the vacuum feed LCIT. (📦 ×2)
- 18. Route the harness as shown below through the clamps [B] provided with this option. (🔧 ×5)

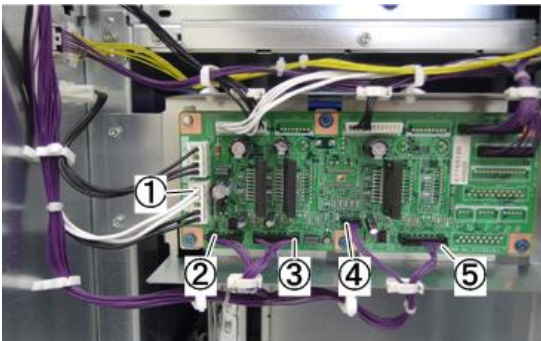
①	CN29
②	CN30



d194d9134

19. Connect the interface harnesses to the control board. (🔧 x5)

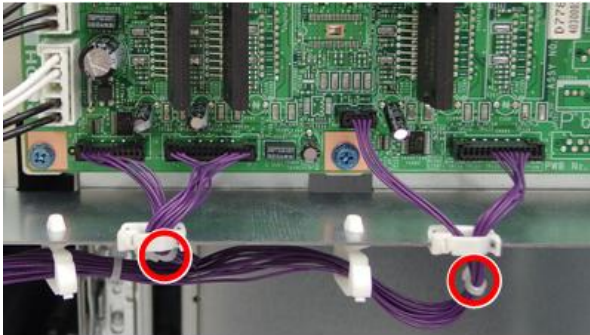
①	CN245	④	CN217
②	CN201	⑤	CN203
③	CN202	-	-



d194d9135

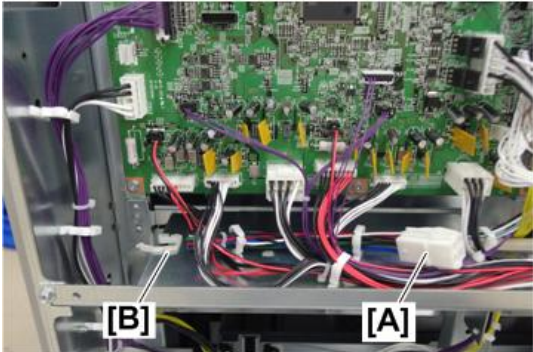
Note

- Route the interface harnesses so that the binds of the harness are located below the edge saddle.



d194d9123

- 20. Pull away the harness [A].
- 21. Attach the edge saddle [B] provided with this option.



d194d9136

- 22. Insert the connector into the relay connector in the frame through the clamp.



d194d9137

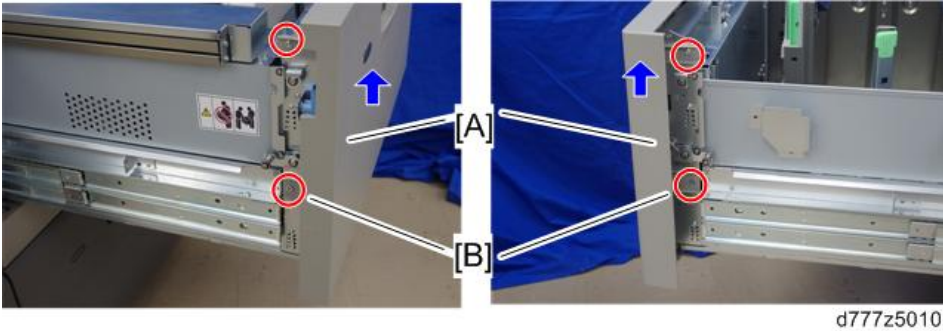
- 23. Pull the paper tray 1 from the vacuum feed LCIT.

24. Lift the tray 1 front cover [A] and remove it. (⚙️×4)

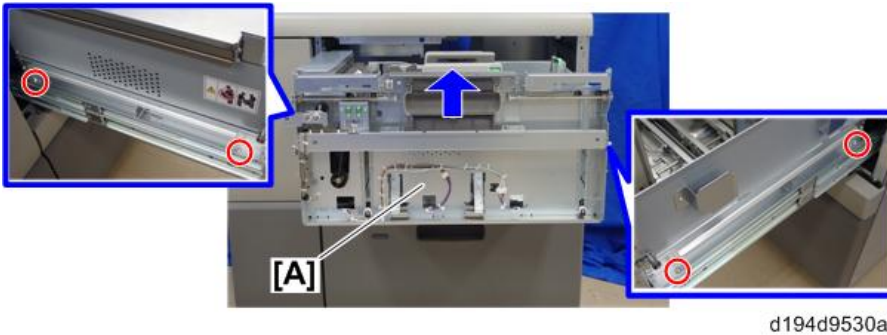
- screws [B]: shoulder screws

⬇️ **Note**

- Remove the tray 1 front cover beforehand so that it does not hit the floor when putting the paper tray 1 on the floor.



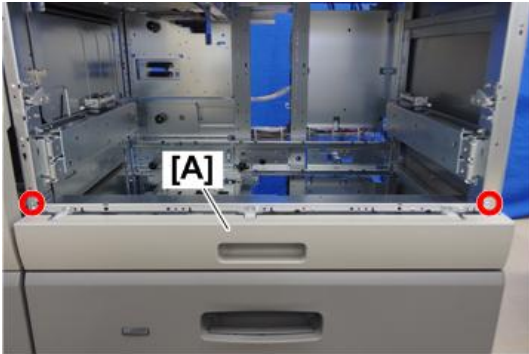
25. Remove the paper tray 1 [A] from the vacuum feed LCIT. (⚙️×4)



★ **Important**

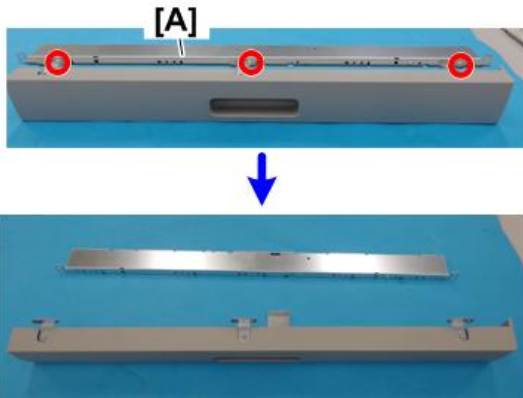
- Two or more customer engineers are required to lift the paper feed unit off the rails because the paper feed unit is extremely heavy (approx.30kg). Work carefully when lifting or moving it.

26. Remove the horizontal transport front cover [A] from the vacuum feed LCIT. (⚙️×2)



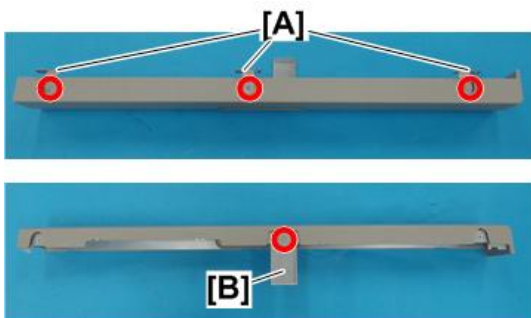
d194d9138

27. Remove the stay [A] from the horizontal transport front cover. (⚙️×3)



d194d9139

28. Remove the brackets [A] [B] from the horizontal transport front cover. (⚙️×4)



d194d9140a



d194d9140b

29. Attach the horizontal transport front cover to the horizontal transport unit. (🔩×5)

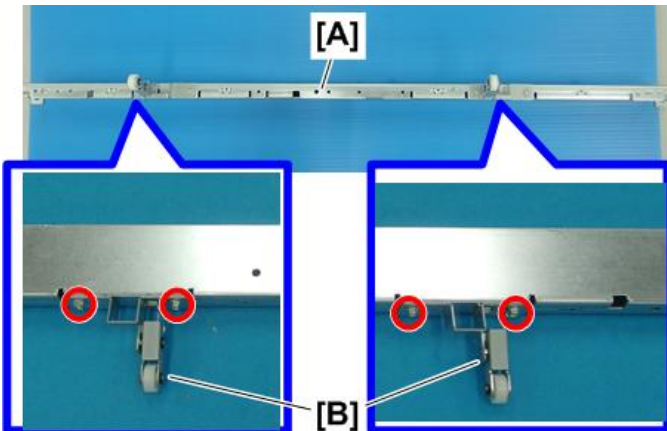
↓ Note

- Do not remove fixing tapes when turning over the horizontal transport unit to attach the screws to the back side.



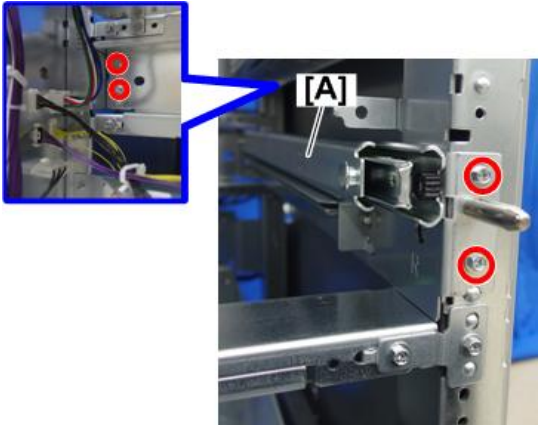
d194d9141

30. Attach the detents [B] to the stay [A] removed in step 27. (🔩×4: M4×8)



d194d9142

31. Attach the right slide rail [A] provided with this option to the vacuum feed LCIT. (⚙️×4: M4×8)



d194d9144

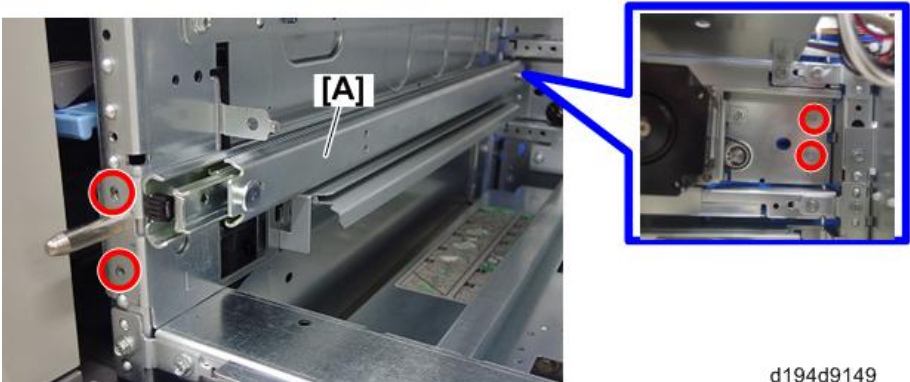
Note

- "L" is engraved on the left slide rail.
- "R" is engraved on the right slide rail.



d194d9145

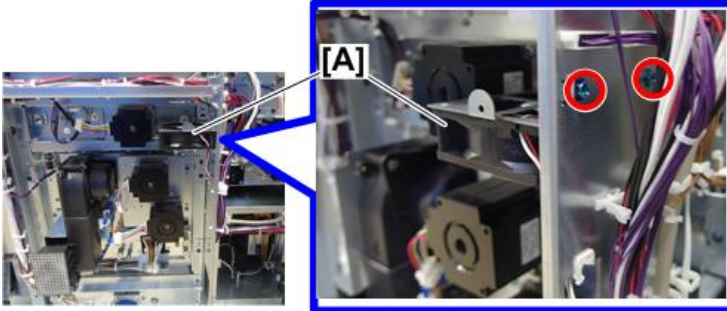
32. Attach the left slide rail [A] provided with this option to the vacuum feed LCIT. (⚙️×4: M4×8)



d194d9149

Note

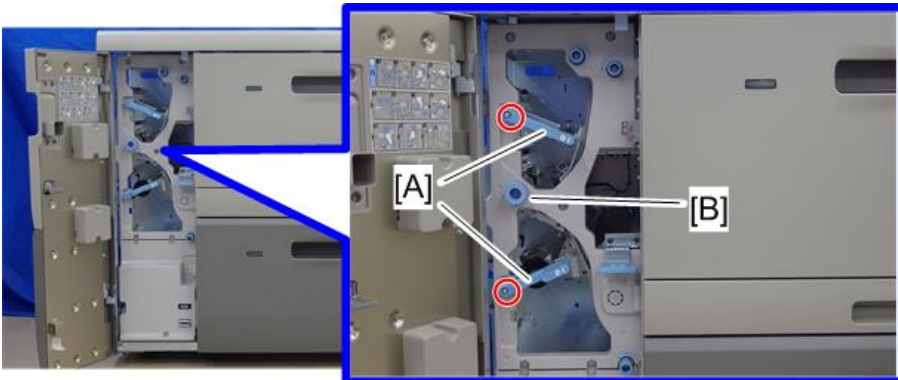
- Attach the rear screws after removing the fan bracket [A].



d194d9174

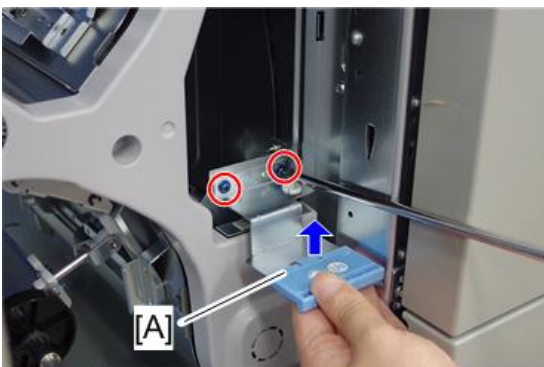
33. Remove the upper inner cover from the vacuum feed LCIT.

1. Open the front door.
2. Two levers [A] (⊖ ×1 each)
3. Knob [B] (⊖ ×1)



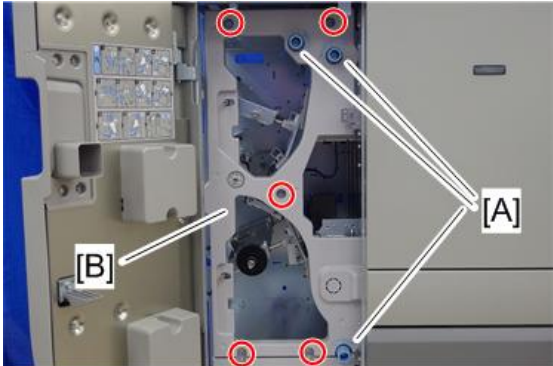
d777z5006

4. Raise the Jam U9 removing plate and remove the handle [A]. (⊖ ×2)



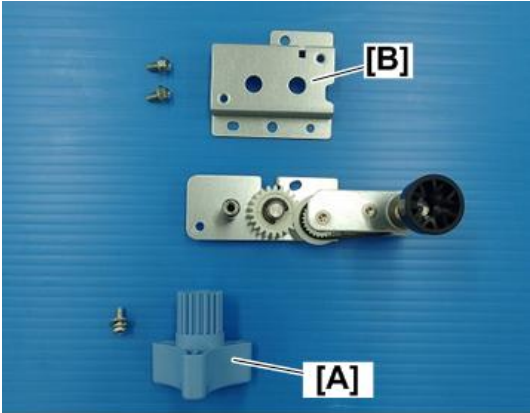
d777z5007

- 5. Three knobs [A] (🔩×1 each)
- 6. Upper inner cover [B] (🔩×5)



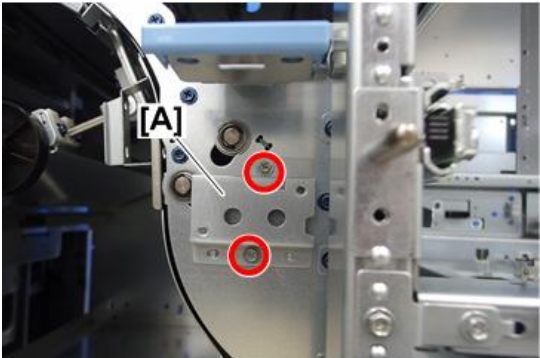
d777z5008

- 34. Remove the knob [A] and bracket [B] from the jam removal lever provided with this option. (🔩×3)



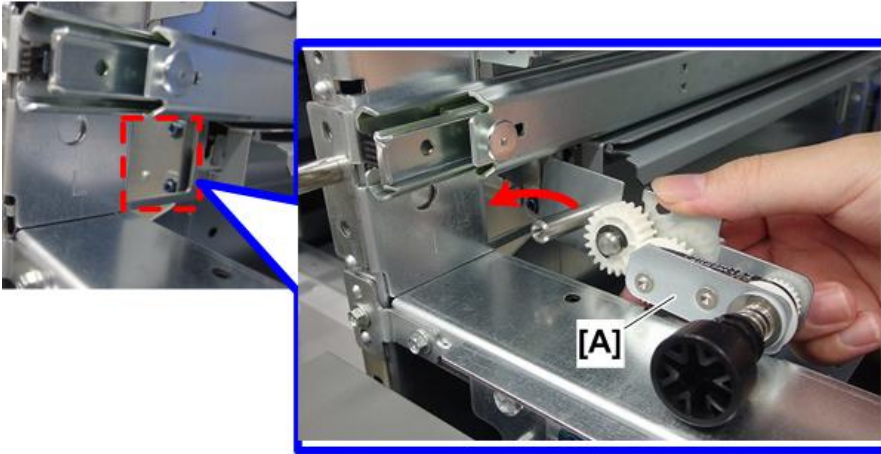
d194d9147

- 35. Attach the bracket [A] removed in step 34 to the vacuum feed LCIT. (🔩×2)

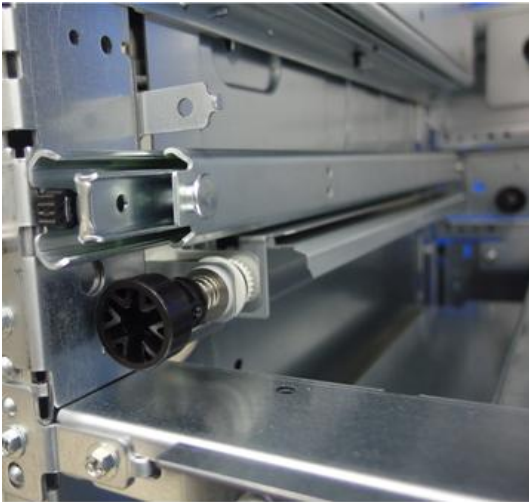


d194d9175

36. Set the jam removal lever [A] through the hole in the slide rail as shown below.

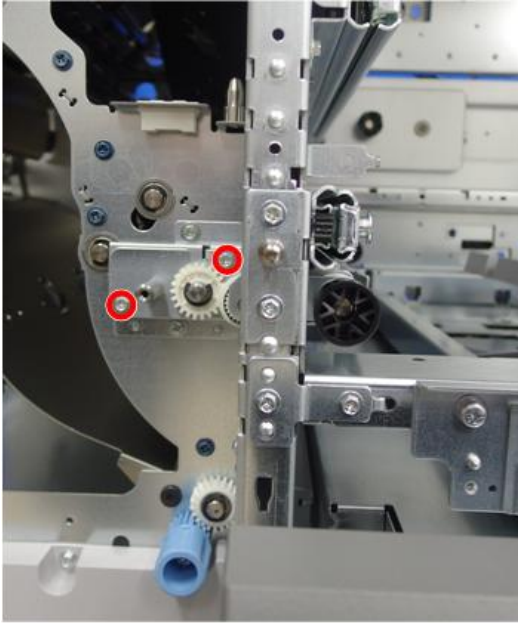


d194d9148a



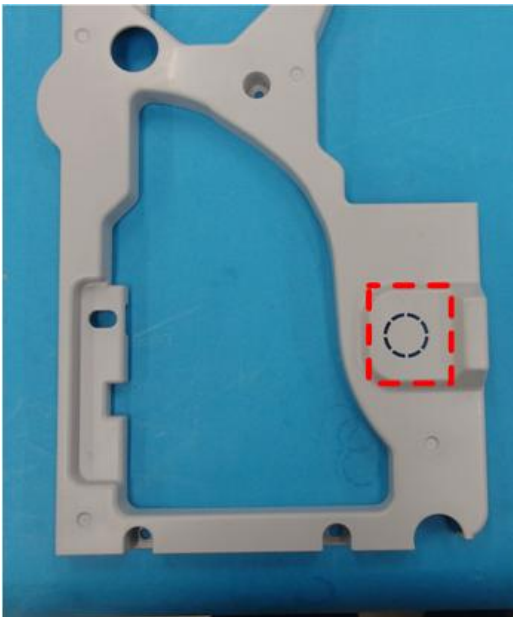
d194d9148b

37. Fix the jam removal lever to the bracket. (Ⓢ×2)



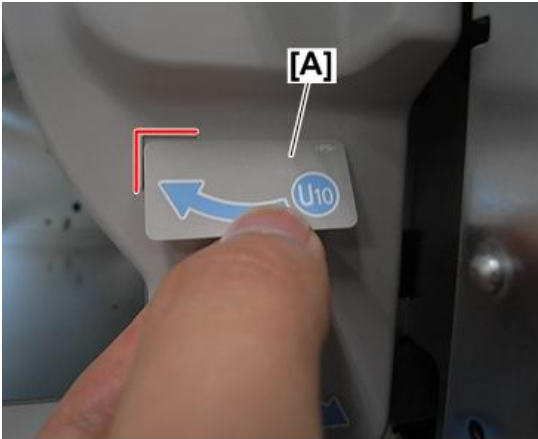
d194d9150

38. Cut out the plastic knockouts for the jam removal lever from the upper inner cover.



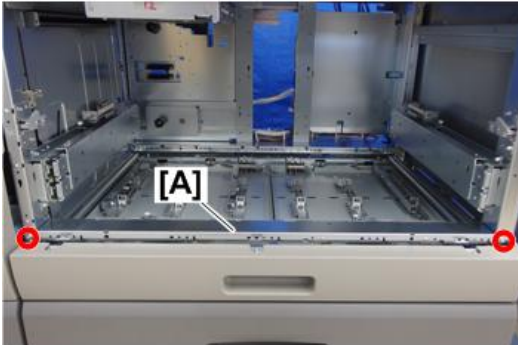
d194d9151

39. Paste the decal – U10 knob [A] to the lower side of the point where you cut.



d194d9171

40. Re-attach the upper inner cover.
41. Attach the stay [A], which detents were attached to in step 30, to the vacuum feed LCIT.
(🔩 x2)



d194d9152

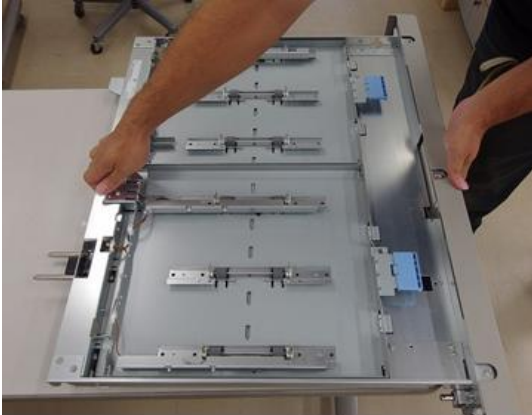
42. Set the horizontal transport unit on the slide rails.



d194d9153

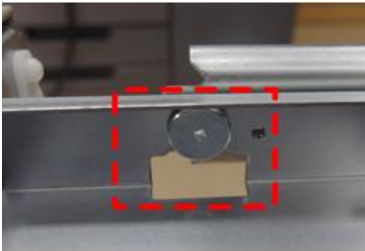
Note

- When holding the horizontal transport unit, hold its rear center and front center.



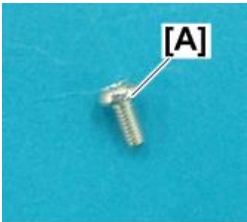
d194d9178

- Hang the tabs located at the four corners of the slide rail into the cutouts in the horizontal transport unit.

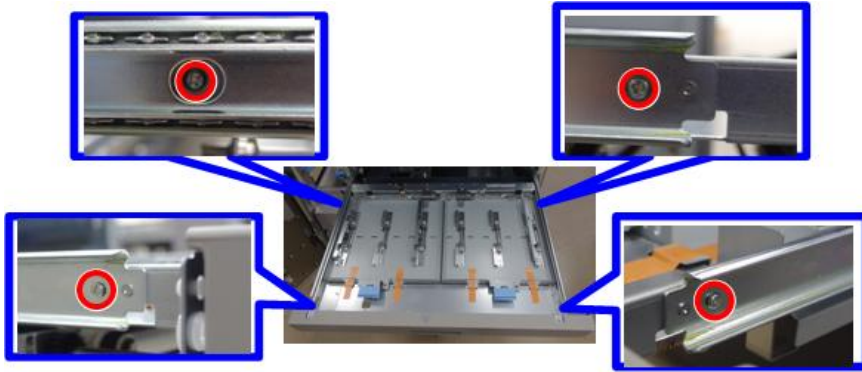


d194d9154

43. Attach four screws [A] provided with this option. (🔩×4: M3×6)



d194d9155



d194d9156

- 44. Push in the horizontal transport unit.
- 45. Re-attach the covers.

Docking: Downstream

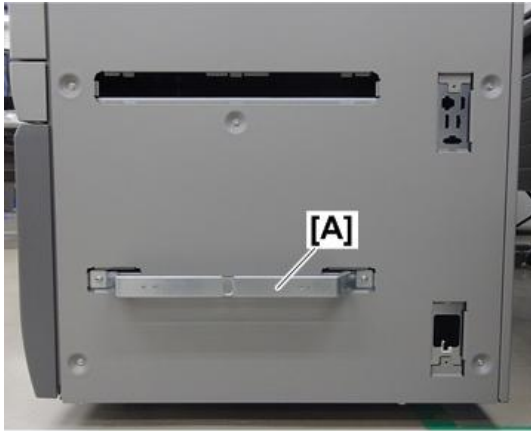
- 1. Attach the two joint brackets [A] provided with this option to the right side of the downstream vacuum feed LCIT. (🔩 ×2 each: M5×10)

Upper side



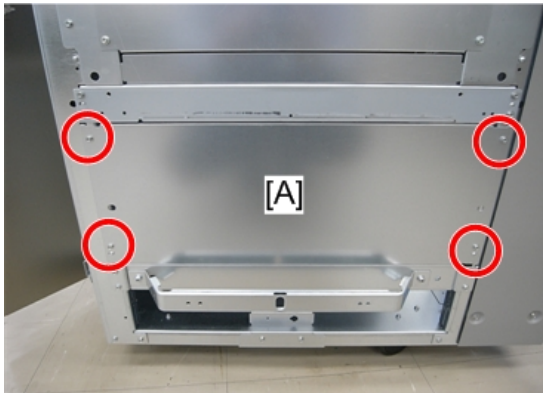
d194d9157a

Lower side



d194d9157b

2. Remove the plate [A] from the right side of the bridge unit. (🔑 ×4)

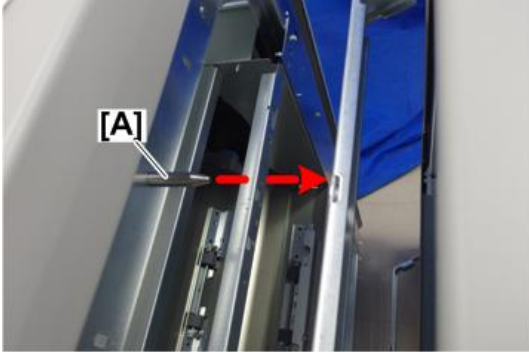


d778z0007

3. Dock the downstream vacuum feed LCIT; to do this.

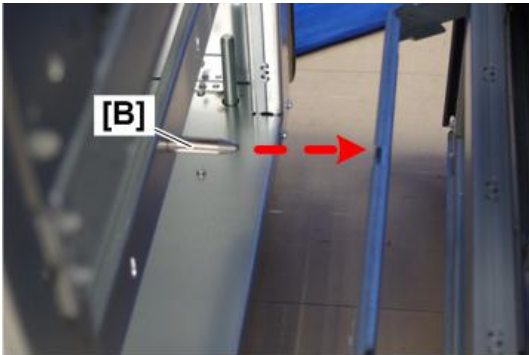
Insert the upper joint pin [A] and lower joint pin [B] on the left side of the bridge unit into the holes in the joint brackets on the downstream vacuum feed LCIT.

Upper Side



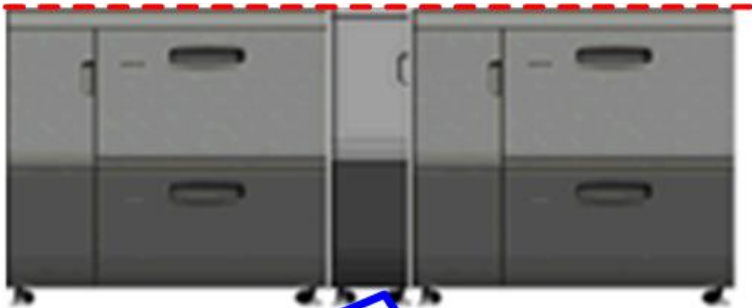
d194d9159a

Lower Side



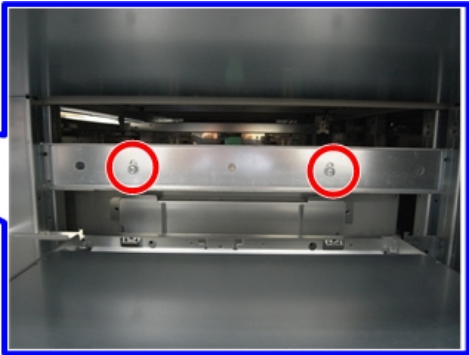
d194d9159b

4. Attach the leveling shoes [A] and then adjust the height so that the tops of the units are at the same level (Four locations: front left, front right, rear left, rear right).



d194d9176

5. Fix the upper joint bracket to the bridge unit. (🔩 ×2: M5×10)



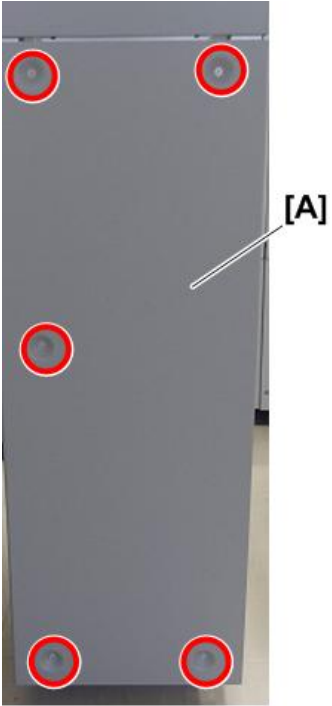
d778z0006

6. Fix the lower joint bracket to the bridge unit. (🔩×2: M5×10)



d778z0008

7. Remove the rear cover [A] from the bridge unit. (🔩×5)



d194d9177

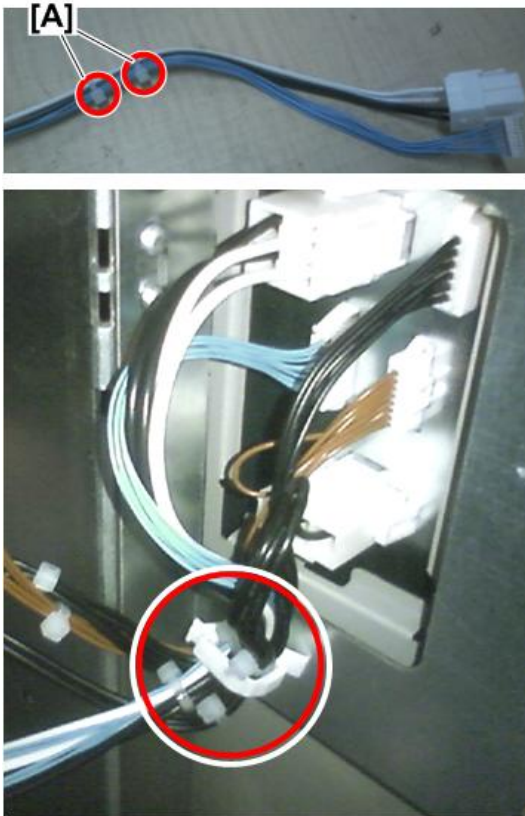
8. Connect the harness of the rear side of the bridge unit to the downstream vacuum feed LCIT. (🔌 ×5)



d778z0010

⬇ Note

- Route the harnesses so that the clamp is located between the binds [A].

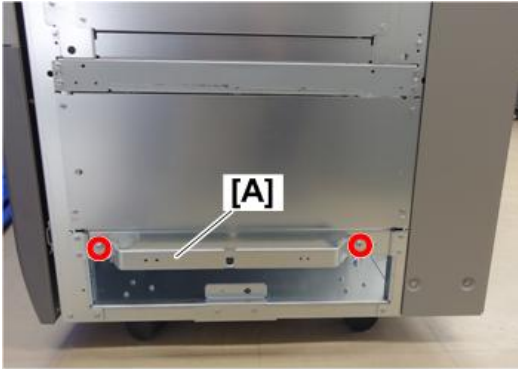


d194d9172

9. Re-attach the removed covers.

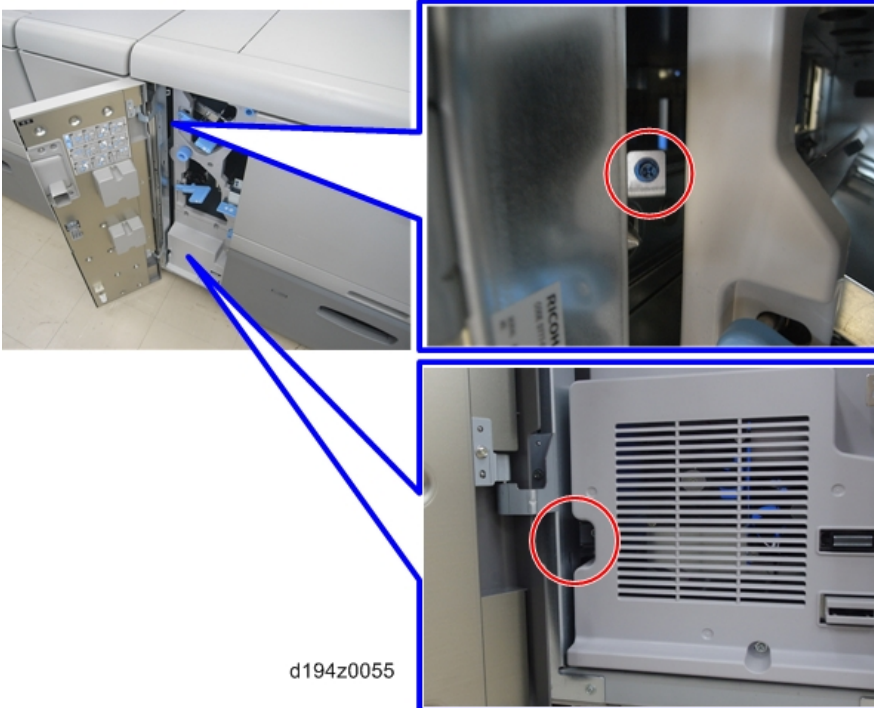
Docking: Upstream

1. Attach the joint bracket [A] provided with the upstream vacuum feed LCIT to the right side of the bridge unit. (🔩×2)



d194d9163

2. Dock the upstream vacuum feed LCIT; to do this. Insert the joint pin on the left side of the upstream vacuum feed LCIT into the hole in the joint bracket on the bridge unit.
3. Open the front door of the upstream vacuum feed LCIT, and then fix the lock stay and joint bracket. (🔩×1 each)



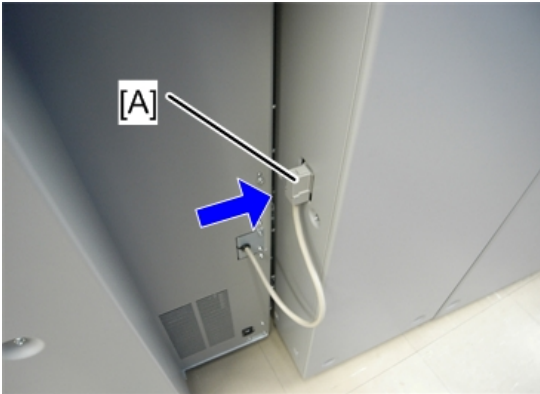
d194z0055

4. Remove the rear cover of the upstream vacuum feed LCIT, and then fix the joint bracket.
(🔩 ×1)



d194d9113

5. Re-attach the rear cover of the upstream vacuum feed LCIT, and then connect the I/F cable [A] to the bridge unit. (🔌 ×1)



d778z0037

6. When attaching the decal - paper feed tray [5 to 8] (provided with this option) to the upstream vacuum feed LCIT, attach them along the LED of the paper feed tray.

↓ **Note**

- Upper paper feed tray : lower number
- T3,T4: not used with this machine

2



d194d9166

Vacuum Feed Banner Sheet Tray Type S3 (D777)

Note

- Vacuum feed banner sheet tray type S3 is connected to the vacuum feed LCIT.
- When two or more vacuum feed LCITs are connected, vacuum feed banner sheet tray type S3 can be connected to only the upstream vacuum feed LCIT.

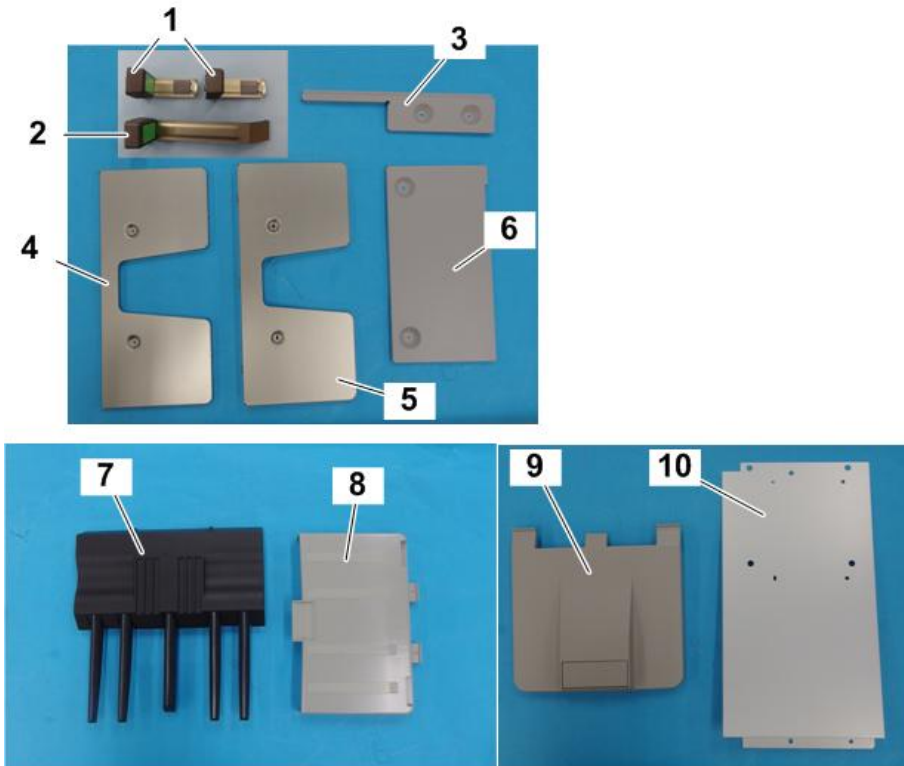
2

Accessories

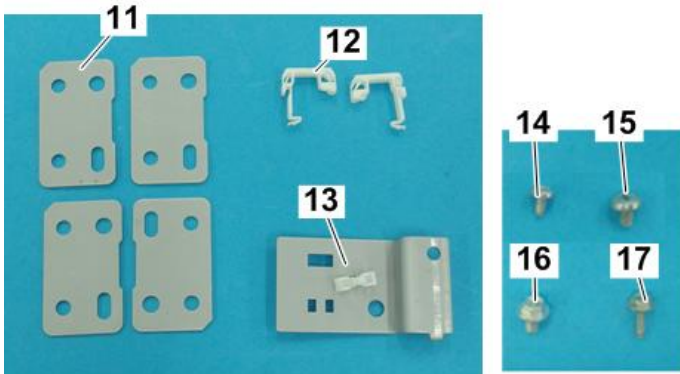
No.	Description	Q'ty
1	End Fence (Short)	2
2	End Fence (Long)	1
3	Front Cover	1
4	Upper Bottom Plate	1
5	Lower Bottom Plate	1
6	Rear Cover	1
7	Support Plate	1
8	Relay Tray	1
9	Extension Tray	1
10	Safety Cover	1
11	Stopper Plate	4
12	Edge Saddle	2
13	HP Sensor Bracket	1
14	Tapping Bind Screw – M3×6	2
15	Tapping Bind Screw – M4×6	6
16	Tapping Screw – M4×8	6
17	Tapping Screw – M3×10	2

No.	Description	Q'ty
18	Decal Sheet: Scale	1
19	Decal: Position Indicator	2
20	Side Fence	2
21	Wire Cover	4
22	E-ring	4
23	Sponge Strip	1
24	Support Bracket *1	2

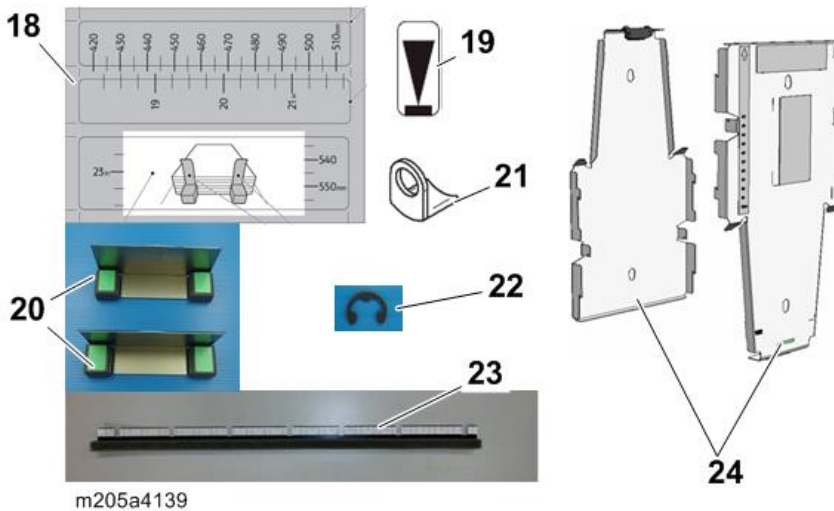
*1 The support brackets are used only if paper feeding problems occur with thin media. Do not use for Weights 6 - 9 (220.1 - 400.0 g/m²) media, because there is a risk of double feeding.



d194d9501



d194d9502



m205a4139

Installation

⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.
1. Remove all visible external tapes on the external surfaces of the vacuum feed banner sheet tray type S3.

2. Lift the right top cover [A] of the vacuum feed LCIT and remove it. (⚙️×4)

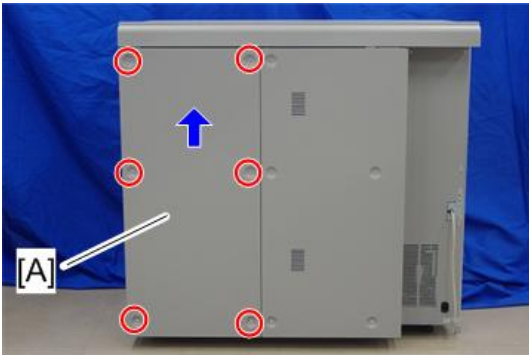
↓ Note

- Removed screws are used when attaching the front cover and rear cover provided with this option.



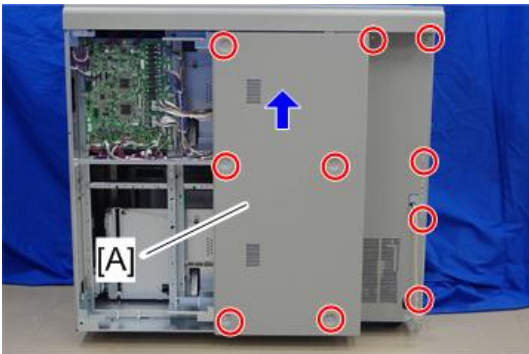
d777z0040

3. Lift the rear right cover [A] of the vacuum feed LCIT and remove it. (⚙️×6)



d777z5004

4. Lift the rear left cover [A] of the vacuum feed LCIT and remove it. (⚙️×10)



d777z5005

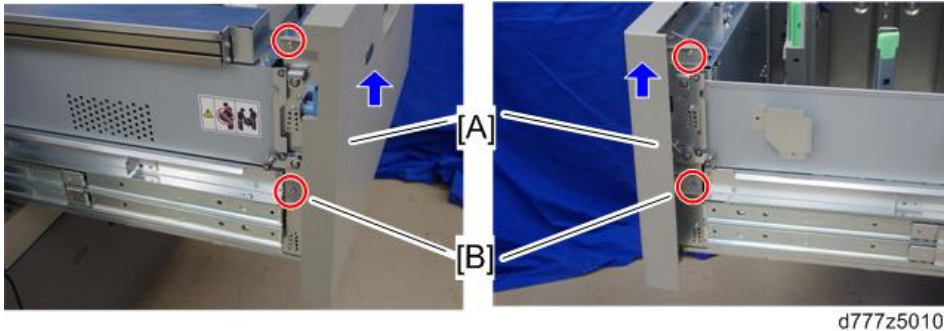
5. Pull paper tray 1 from the vacuum feed LCIT.

6. Lift the tray 1 front cover [A] and remove it. (Ⓜ ×4)

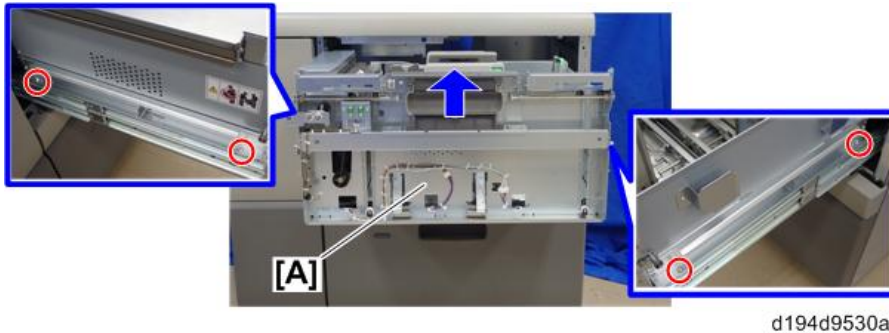
- screws [B]: shoulder screws

Note

- Remove the tray 1 front cover beforehand so that it does not hit the floor when putting the paper tray 1 on the floor.



7. Paper tray 1 [A] (Ⓜ ×4)



Important

- Two or more customer engineers are required to lift the paper tray 1 off the rails because paper tray 1 is extremely heavy. Work carefully when lifting and moving it.

8. Remove the stay [A] on the right side of the vacuum feed LCIT. (Ⓜ ×4)

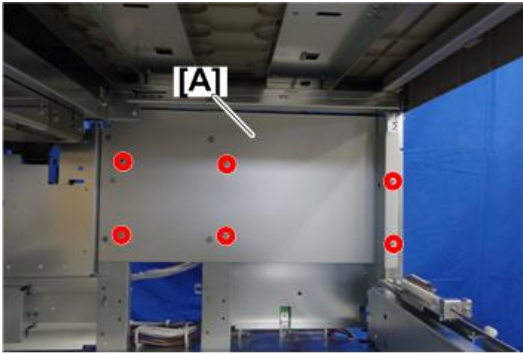
Note

- After removing the stay, keep it in storage in case the vacuum feed banner sheet tray is dismantled at some point in the future.



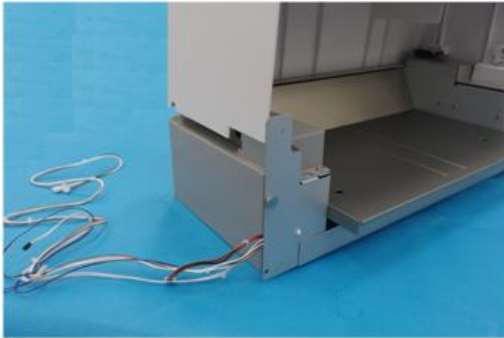
d194d9503

9. Attach the safety cover [A] (provided with this option) to the far side of the vacuum feed LCIT. (⚙️ x6: M4x6)



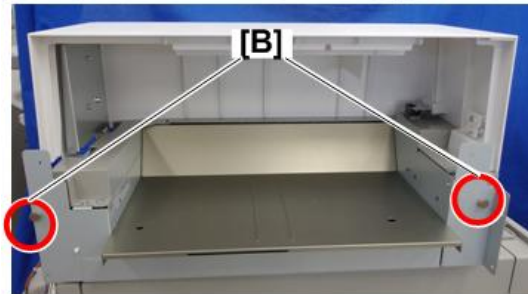
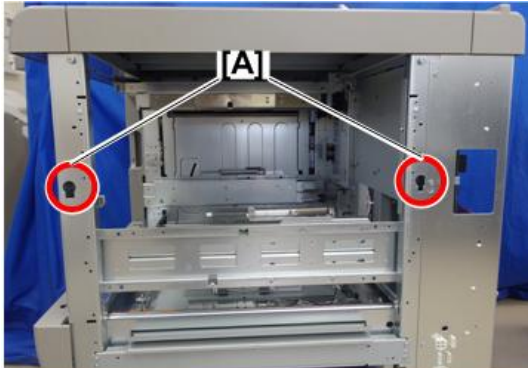
d194d9504

10. Pull the harness of the vacuum feed banner sheet tray to the outside of the tray.



d194d9505

11. Mount the shoulder screws [B] on the front/rear of the vacuum feed banner sheet tray into the holes [A] that receive the shoulder screws on the vacuum feed LCIT.



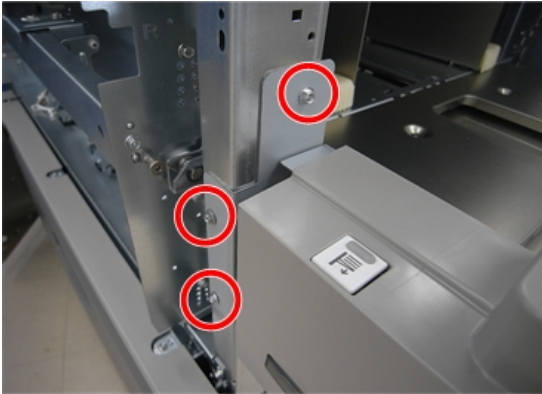
d194d9506



d194d9507

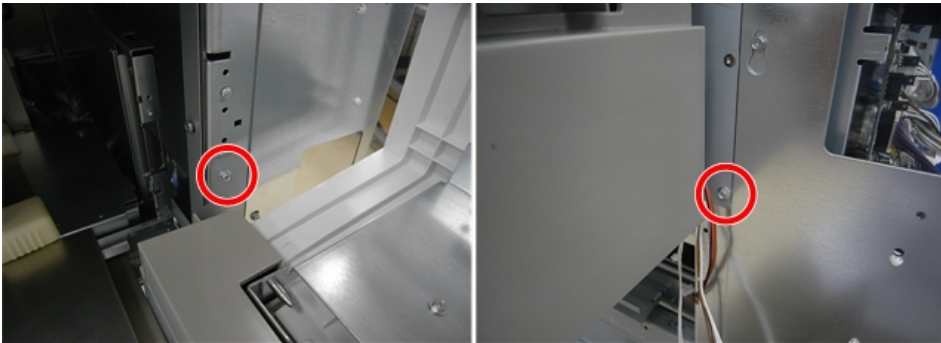
12. Fix the vacuum feed banner sheet tray with the screws provided with this option.

Near side: (🔩) ×3: M4×8



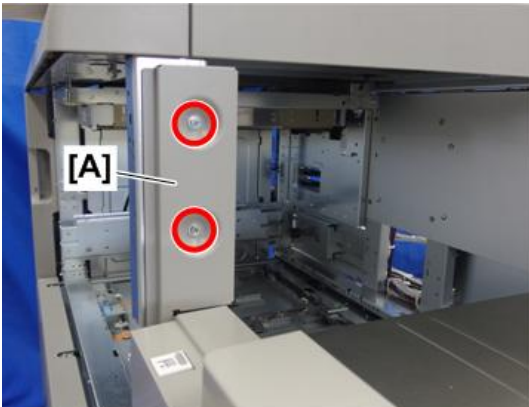
d777z0006

Far side: (🔑 ×2: M4×8)



d777z0007

13. Attach the front cover [A] provided with this option. (🔑 ×2)

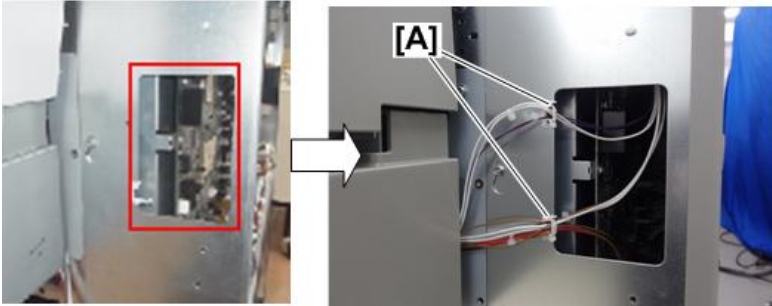


d194d9508

↓ Note

- Use the screws removed from the right top cover in Step 2.

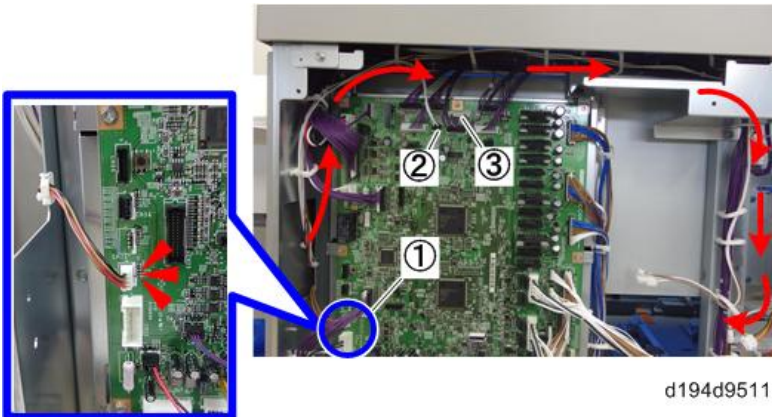
14. Attach the edge saddles [A] provided with this option and pass the harnesses of the vacuum feed banner sheet tray through the rear side.



d194d9545

15. Route the harnesses as shown below and connect it to the board of the vacuum feed LCIT (📦 x3).

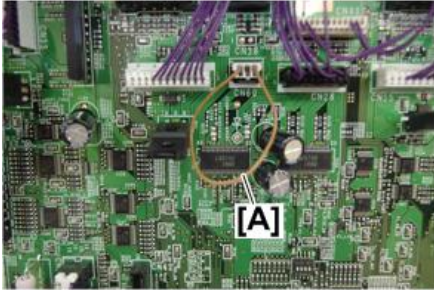
①	CN36
②	CN60
③	CN40



d194d9511

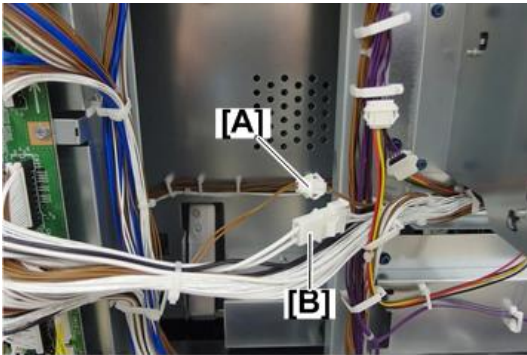
⬇ Note

- Disconnect the terminal connectors and connect the harness because CN60 is connected with terminal connectors [A] as shown below.



d194d9512

16. Disconnect the connectors [A] [B].

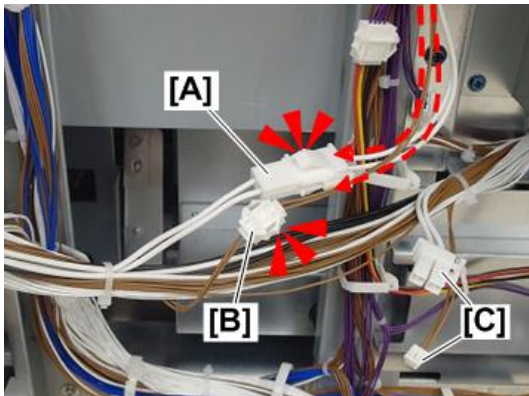


d194d9557

17. Connect the relay connectors, which were routed from above, to the connectors [A] [B] disconnected in step 16. (📦 ×2)

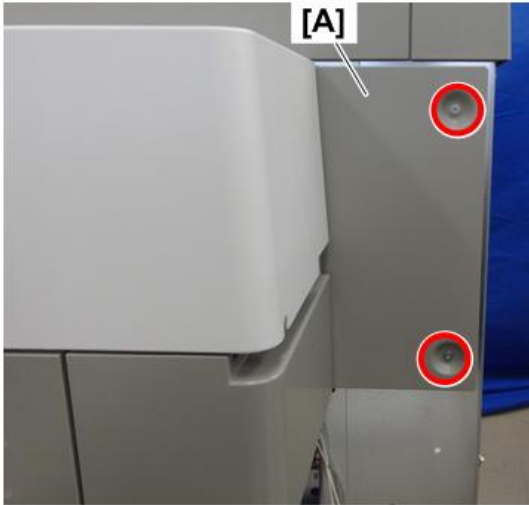
↓ Note

- The harnesses [C] disconnected from connectors [A] [B] in step 16 are connected nowhere.



d194d9546

18. Attach the rear cover [A] provided with this option. (🔩×2)

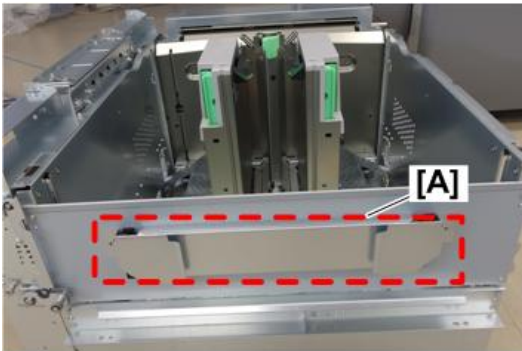


d194d9509

↓ Note

- Use the screws removed from the right top cover in Step 2.

19. Remove the support plate [A] on the side of the paper tray removed from the vacuum feed LCIT.

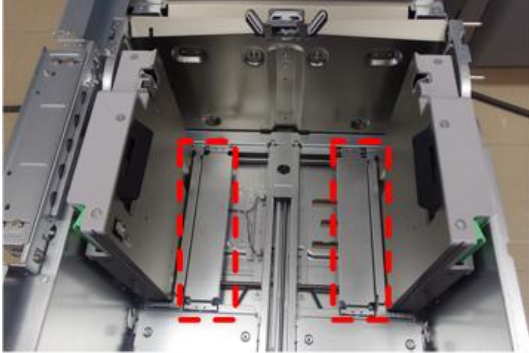


d194d9513



d194d9514

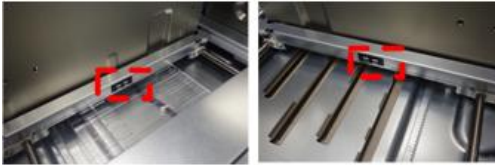
20. Widen the side fences of the paper tray and attach the support plates on the inside of the side fences.



d194d9515

↓ Note

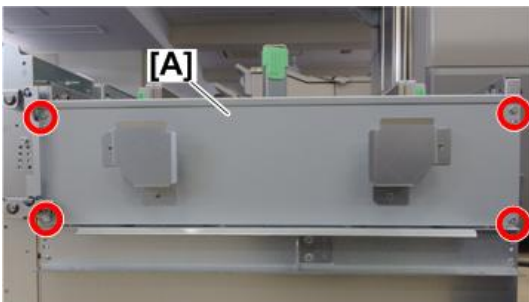
- The support plates are held in place by magnets on both sides of the paper tray.



d194d9516

21. Remove the side plate [A] from the paper tray. (🔧×4)

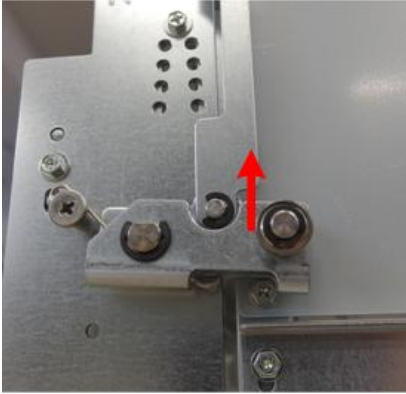
Keep the plate in storage in case the vacuum feed banner sheet tray is dismantled at some point in the future.



d194d9517

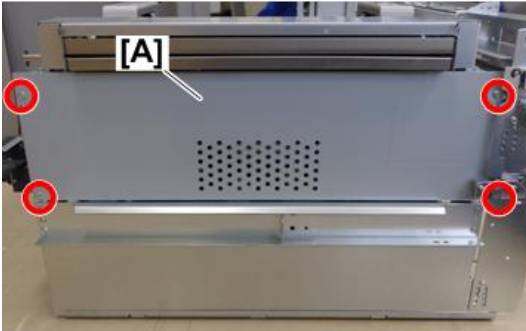
↓ Note

- Lift up the operating lever to remove the screws on the front.



d194d9518

22. Remove the left cover [A] from the paper tray. (⚙️ x4)



d194d9521

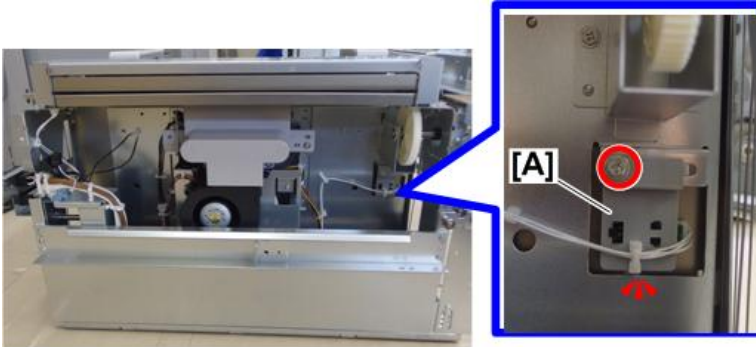
Note

- Lift up the operating lever to remove the screws on the front.



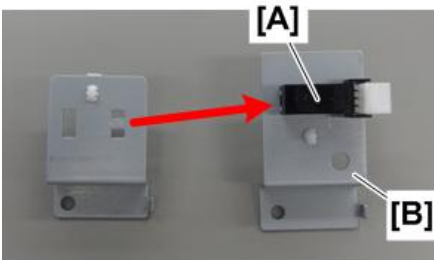
d194d9522

23. Remove the sensor bracket [A] from the paper tray. (⚙️×1, 🛠️×1)



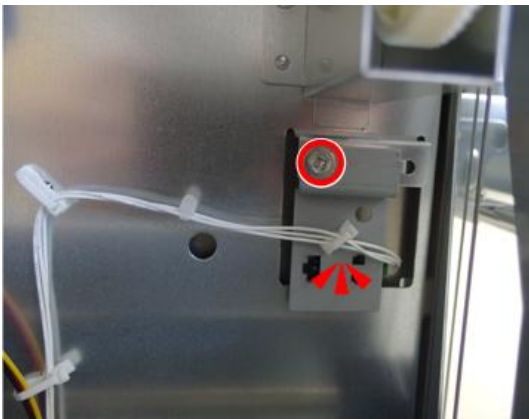
d194d9523

24. Remove the HP sensor [A] from the bracket and replace it with the HP sensor bracket [B] provided with this option. (pawl×3)



d194d9524

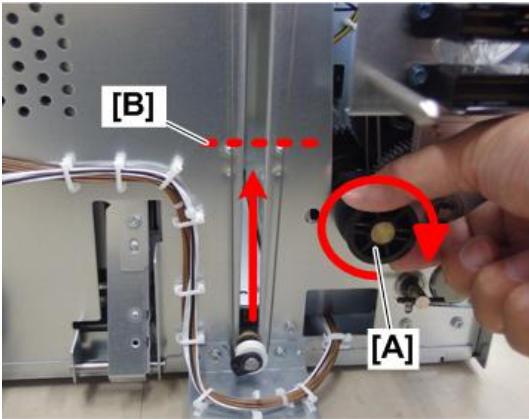
25. Attach the HP sensor bracket to the paper tray. (⚙️×1, 🛠️×1)



d194d9525

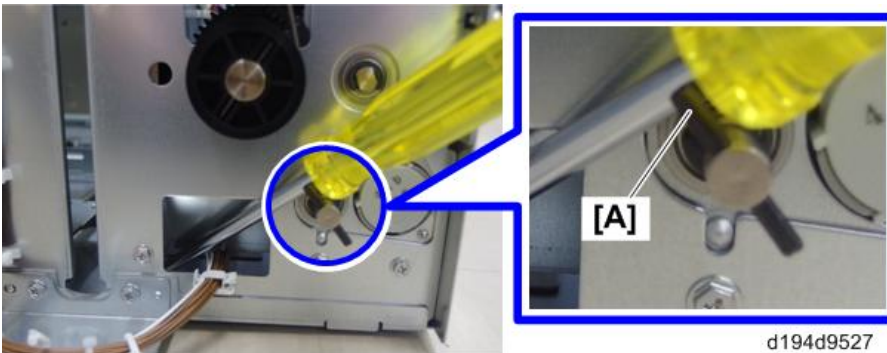
26. Re-attach the left cover.

27. Turn the roller [A] clockwise, and lift up the bottom plate above the embossed part [B].



d194d9526

28. When the bottom plate has been lifted above the embossed part, insert an object such as a screwdriver into the hole in the sheet metal to hold the pin [A].



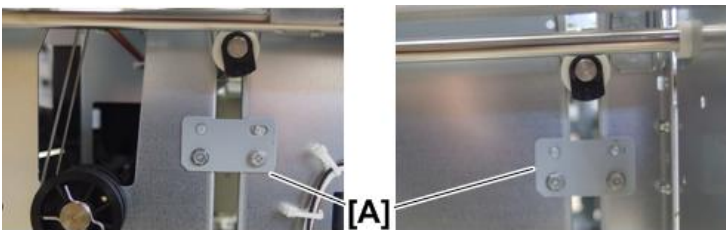
d194d9527

29. Attach the four stopper plates [A] provided with this option. (👉x2 each)

↓ Note

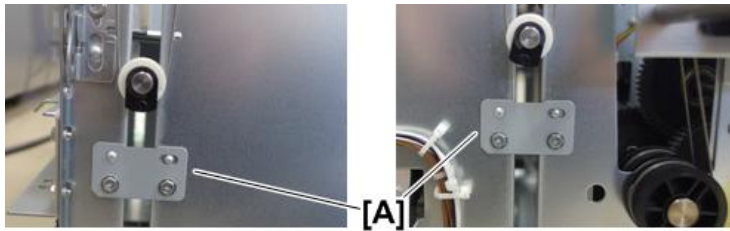
- Screws with washers are mounted in advance on the stopper mounting position.
- Remove the washers from the screws when attaching the four stopper plates.

Front left and front right



d194d9528

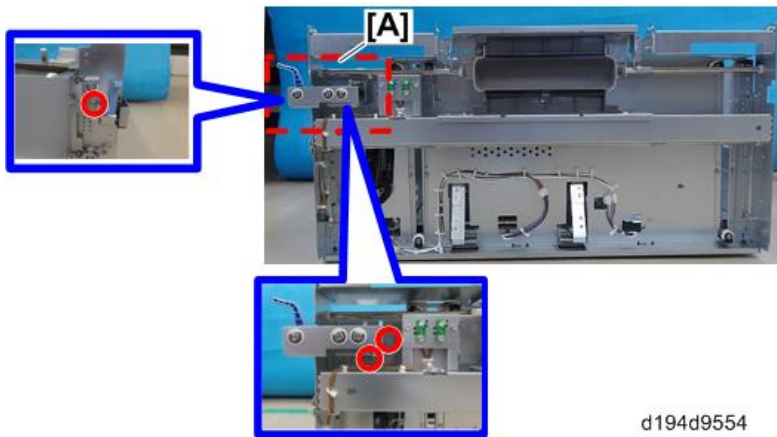
Rear left and rear right



d194d9529

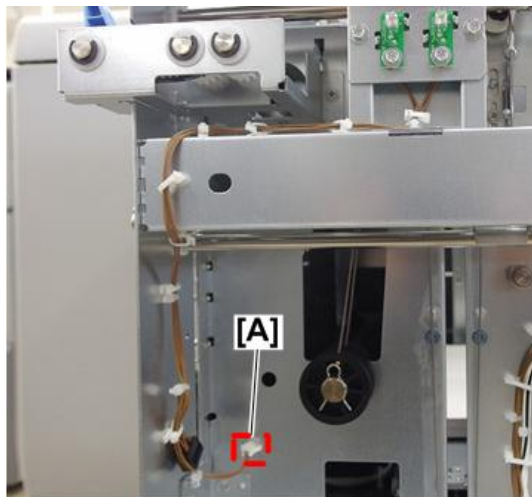
30. Remove the screwdriver or other object inserted in step 28.

31. Remove the jam removal lever [A] on the front of the paper tray. (🔧 x3)



d194d9554

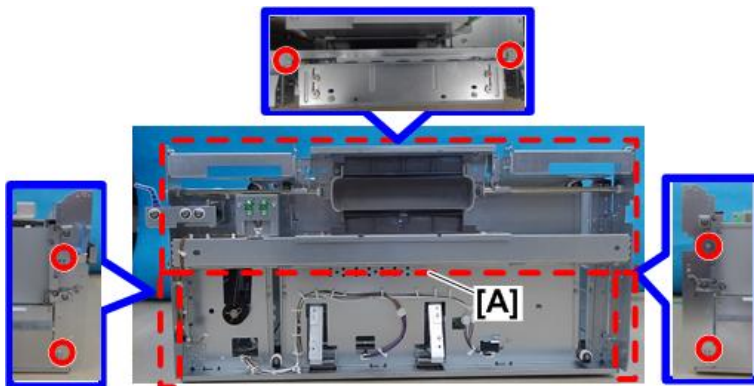
32. Disconnect the connector [A]. (🔧 x1)



d194d9558

33. Stay [A] (⊗×6)

2



d194d9555



d194d9568

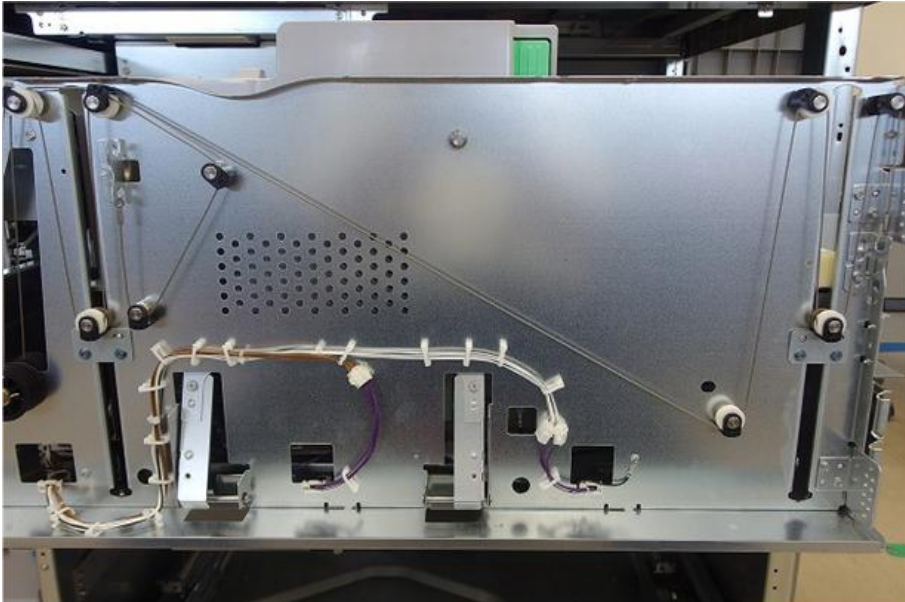
34. Re-hang the wire.

Before



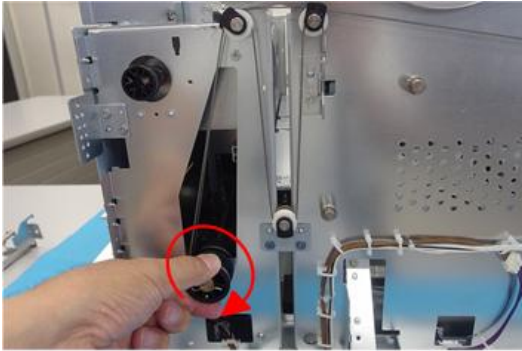
d194d9565

After



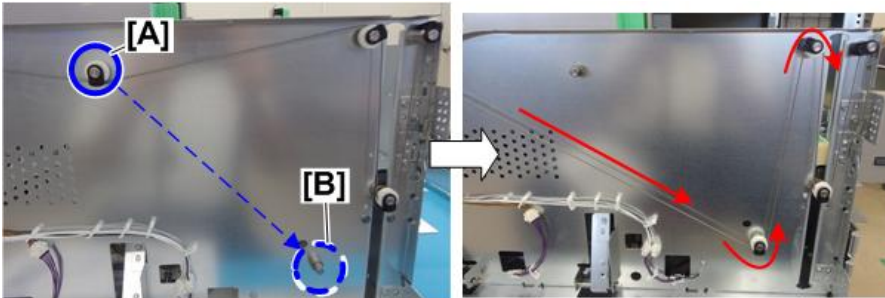
d194d9566

1. Turn the wire take-up roller clockwise and loosen the wire.



d194d9547

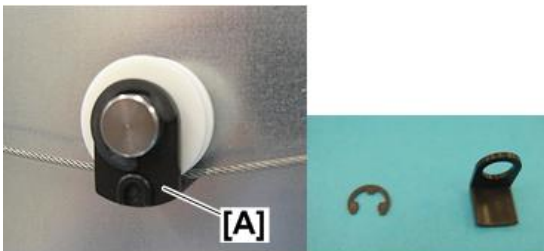
2. Remove the pulley [A] in the middle and then install it into the position [B]. (🔩×1)
3. Re-hang the long wire as shown below.



d194d9548

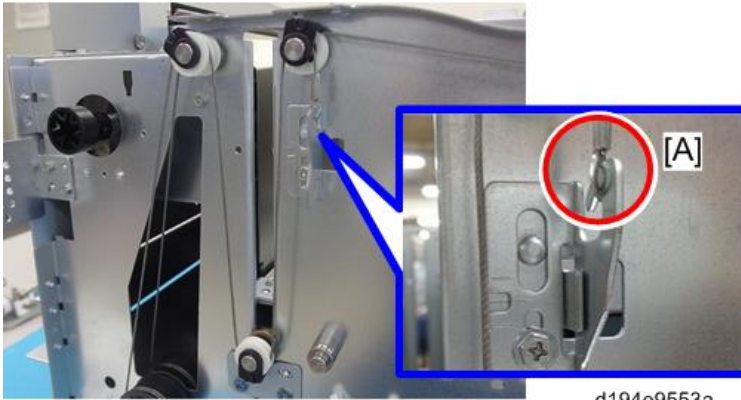
Note

- Remove the pulley cover [A] and then remove the pulley.



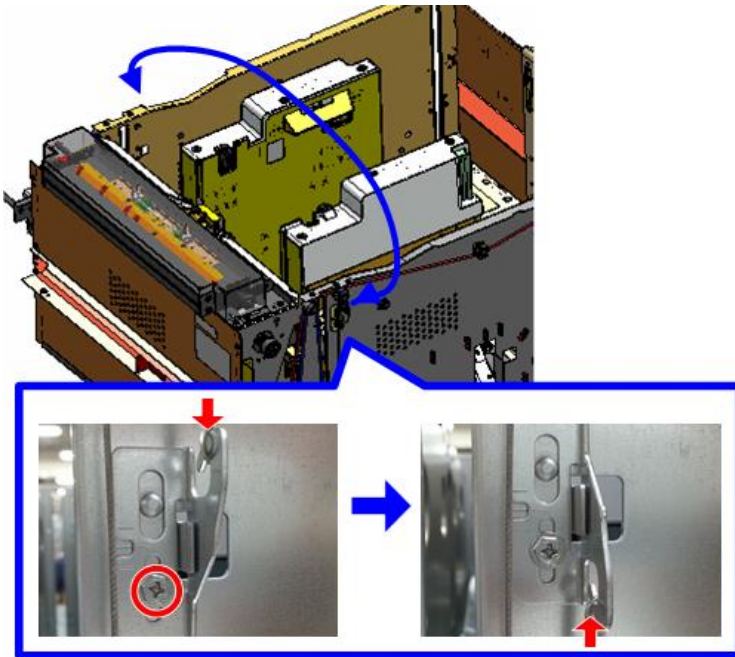
d194d9549

4. Attach the removed pulley cover. (🔩×1)
5. Unhook the wire [A] from the wire hook.



d194e9553a

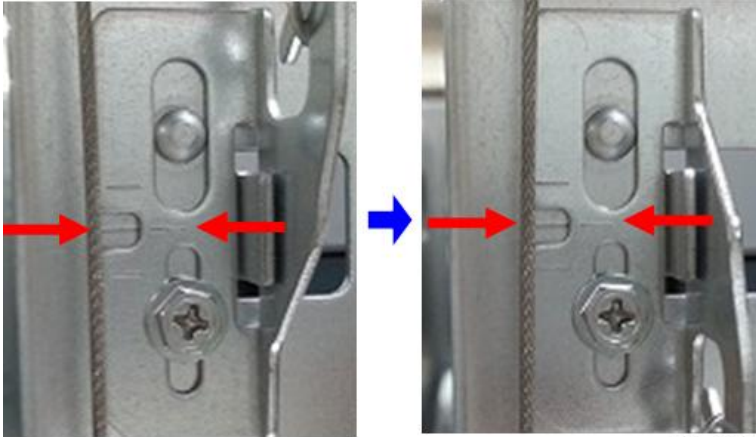
6. Replace the wire hook with the one on the rear side and then attach it so that the hook faces down. (⌀ ×1 each)



m194e2290

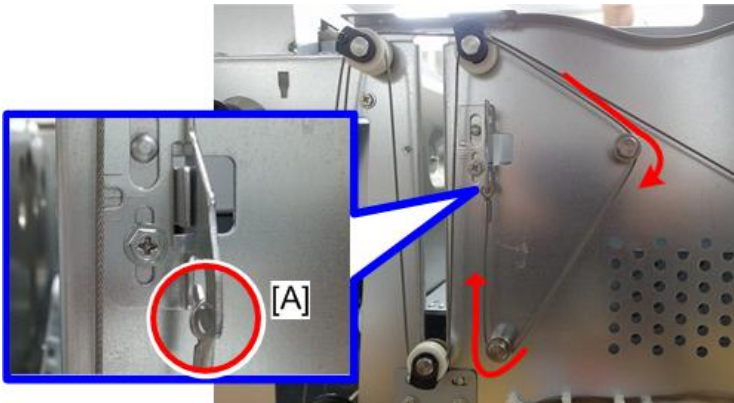
Note

- Before replacing the wire hook, check the position of the reference line and the graduation on both front and rear hooks. Make sure the hook retains the original position when reattached.



m194e2291

7. Re-hang the wire as shown below and then hook the wire [A] on the wire hook.



d194e9553b

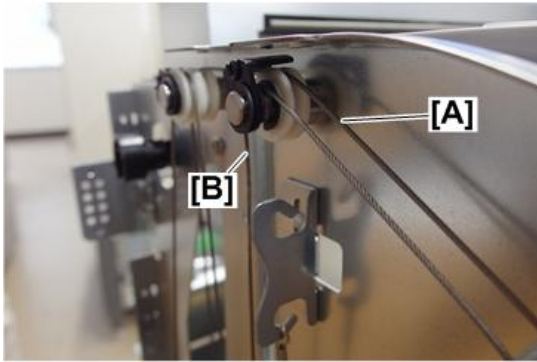
Note

- Hang the wire into the groove of the pin on the frame.



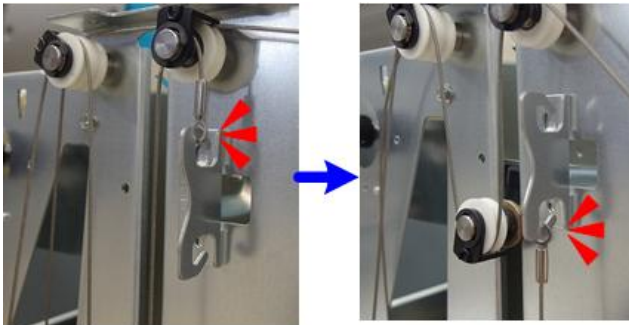
d194d9551a

- At the upper pulley, pass the long wire through the pulley and pass the short wire between two E-rings.



d194d9569

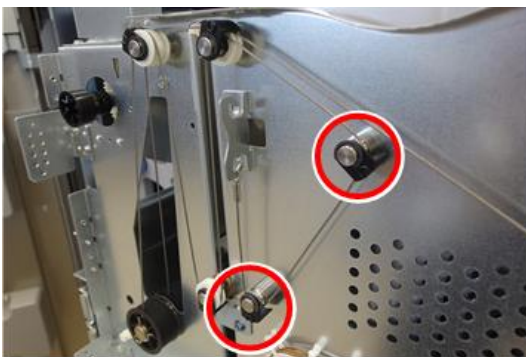
- After re-hanging the wire, change the position where it hangs from the top to the bottom.



d194d9556

8. Attach the pulley covers (provided with this option) to the 2 pulleys. (⑧)×2

Two E-rings are also provided with this option.



d194d9570

35. Similarly to the front side, move and add pulleys on the rear side and re-hang the wires.

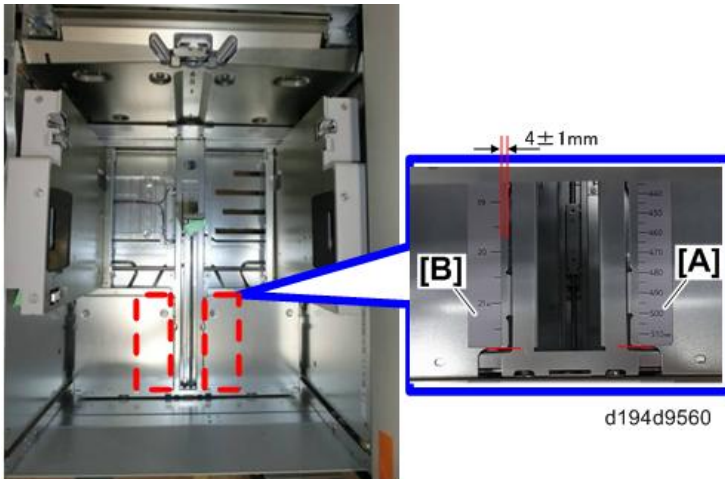


d194d9571

36. Attach the stay and jam removing lever removed in steps 31 and 33.

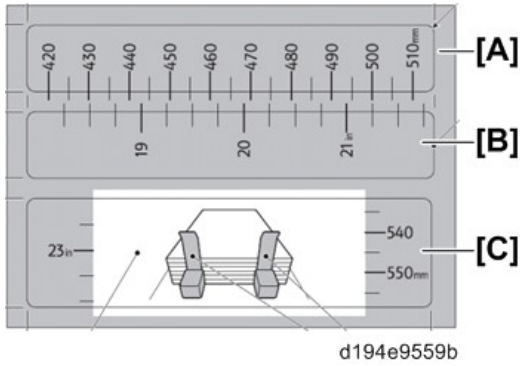
37. Attach the decals [A] and [B] (provided with this option) to the bottom plate of the paper tray.

Align the decals so that the bottom edge aligns with the bottom edge of the bottom plate (indicated with the red lines).



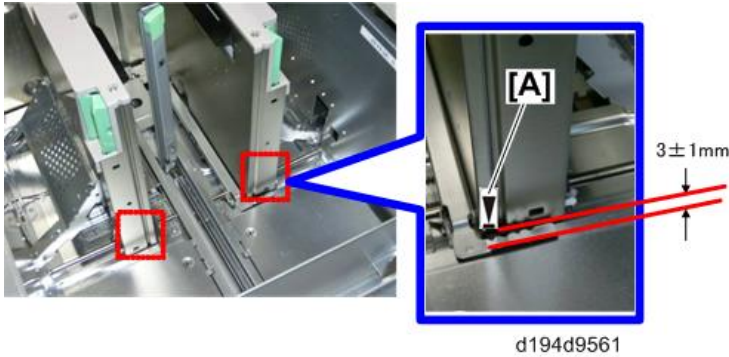
Note

- Decal [A]: mm scale
- Decal [B]: inch scale



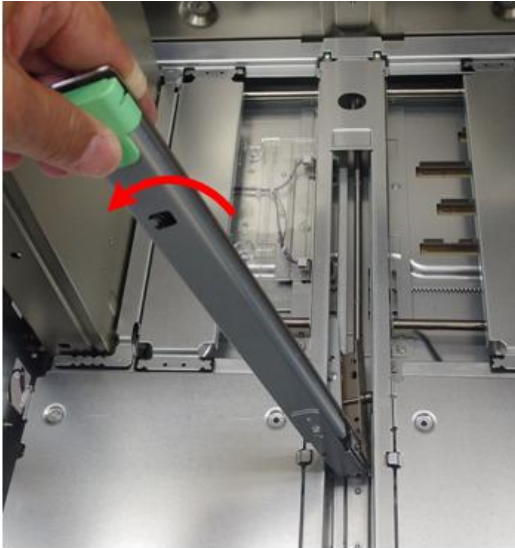
- Decal [C] is used in step 47. So do not discard the decal sheet after attaching decals [A] and [B].

38. Attach the decals (position indicator) [A] (provided with this option) to both side fences.



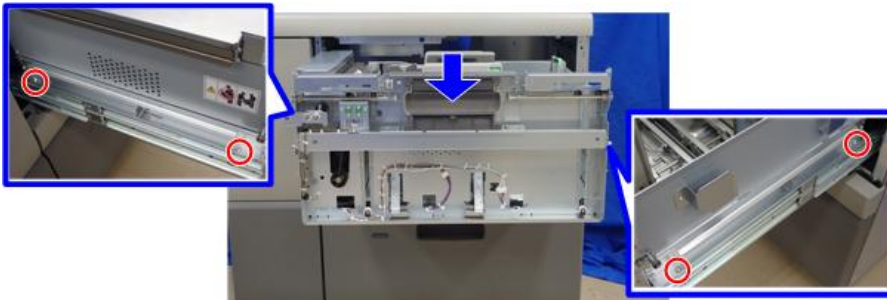
39. Remove the screws from the end fence [A], and then remove the end fence from the paper tray as it falls down diagonally. (🔧 ×2)





d194d9520

40. Pull out the vacuum feed LCIT slide rails and mount the paper tray on them, and fasten it in place. (Ⓜ ×4)



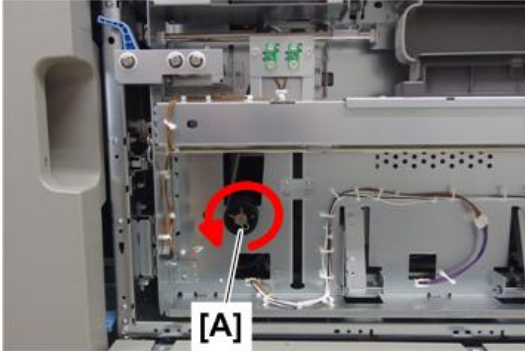
d194d9530

★ Important

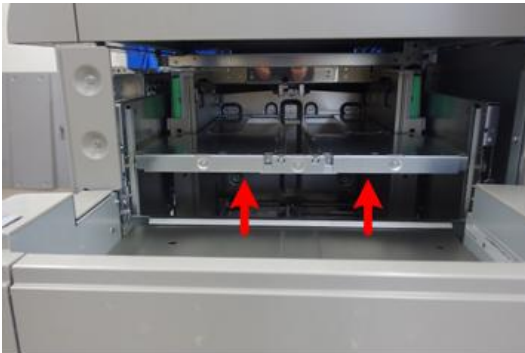
- Two or more customer engineers are required to mount the paper tray 1 on the rails because paper tray 1 is extremely heavy. Work carefully when mounting it.

41. Push the paper tray and close it.

42. Turn the wire take-up roller [A] at the front of the paper tray counter-clockwise to raise the bottom plate until you can see it completely from the vacuum feed banner sheet tray.



d194d9531

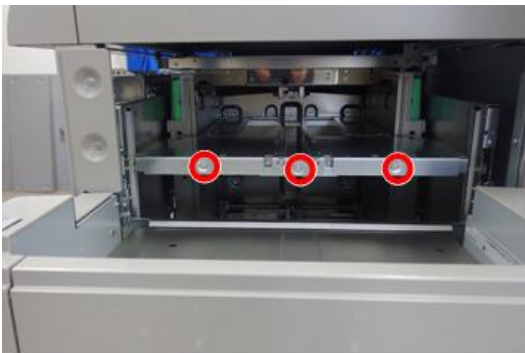


d194d9532

Note

- The raised bottom plate will not lower even if the wire take-up roller is released. However, if the bottom plate is raised too high, pulling out the paper tray will cause it to lower.

43. Remove the screws on the bottom plate. (🔧×3)

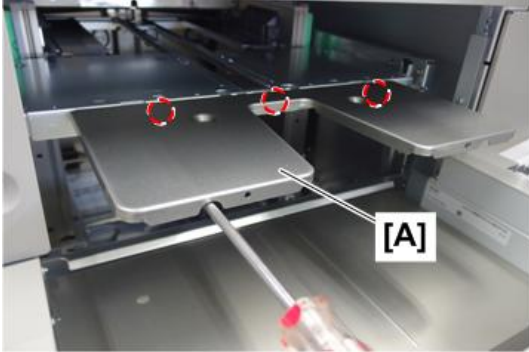


d194d9533

44. Attach the upper bottom plate [A] provided with this option. (🔩×3)

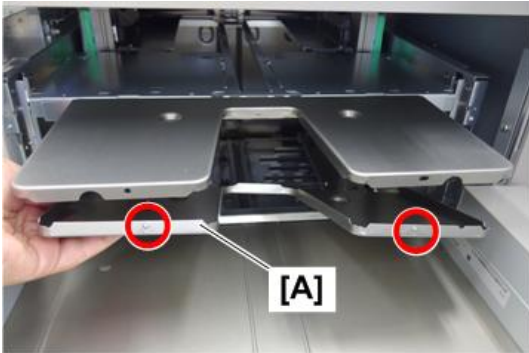
↓ Note

- Use the screws removed in step 43.



d194d9534

45. Insert the lower bottom plate [A] (provided with this option) to attach it. (🔩×2: M3×6)



d194d9535



d194d9536

⚠ CAUTION

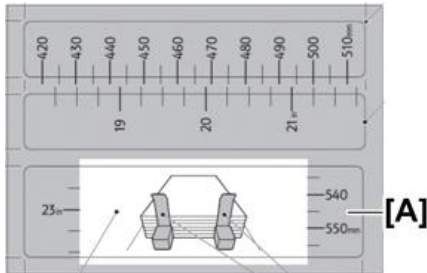
- If the bottom plate is lifted too far and a screwdriver cannot get in, pull the paper tray out slightly so it can be lowered. Please note that if you pull the tray out too far, it may come in contact with and deform the extension tray, so be very careful when doing this.

46. Re-attach the tray 1 front cover.

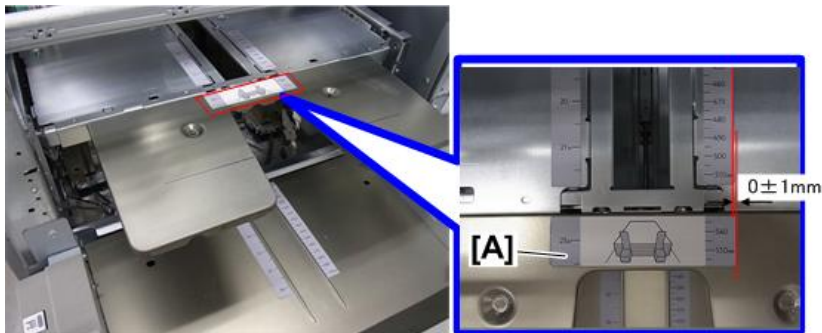
47. Attach the decal [A] (provided with this option) to the upper bottom plate.

↓ Note

- Decal [A]: Rear end scale and end fence installation diagram



d194d9559a



d194d9562

48. Open the front door of the vacuum feed LCIT and lock the paper tray 1. (🔑 ×1)

Once the paper tray 1 is locked, it cannot be pulled out.

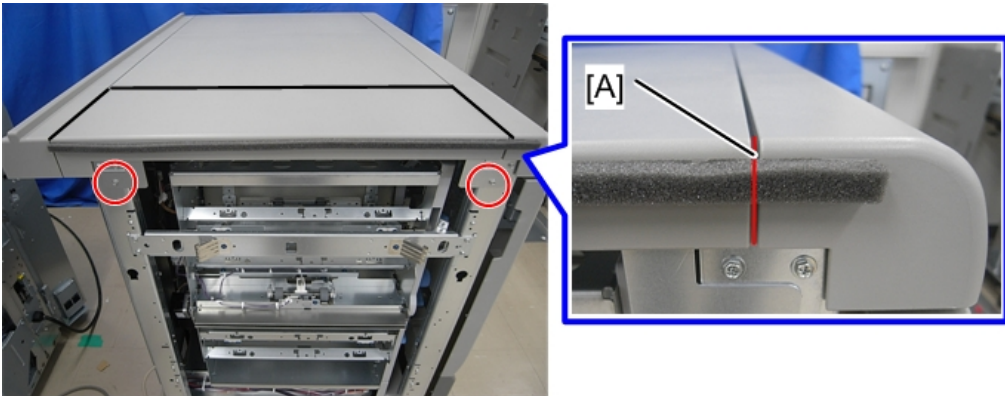


d777z0001

49. Re-attach the rear covers.

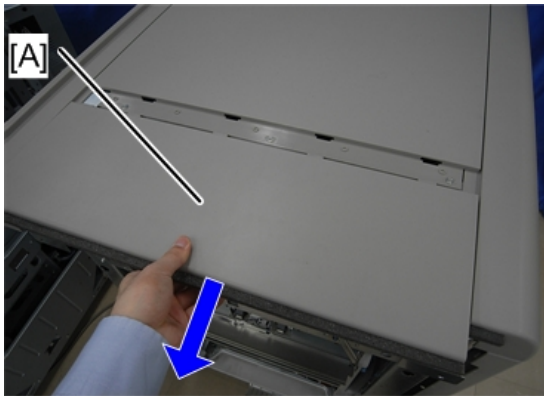
Attaching the Sponge Strip

1. Cut the cushion at the position [A] along the groove of the left top cover of the vacuum feed LCIT.
2. Remove the screws on the left top cover. (🔩 ×2)



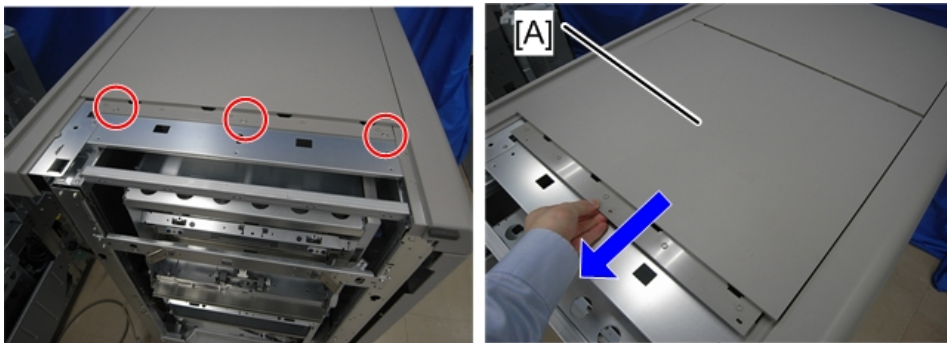
d777z0047

- Slide the left top cover [A] in the direction of the blue arrow and remove it.



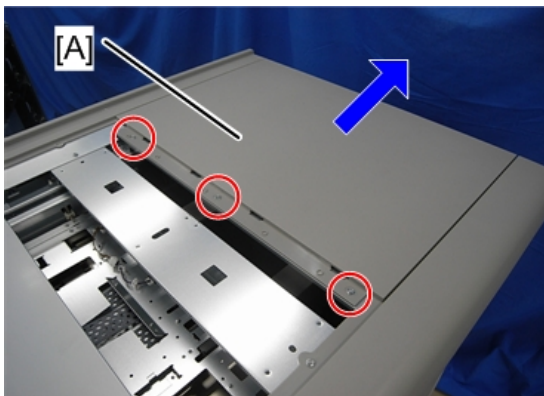
d777z0048

- Slide the center top cover [A] in the direction of the blue arrow and remove it. (⚙️ ×3)



d777z0049

- Slide the right top cover [A] in the direction of the arrow and remove it. (⚙️ ×3)



d777z0050

6. Attach the sponge strip (provided with this option) to the right side of the right top cover removed in step 5.

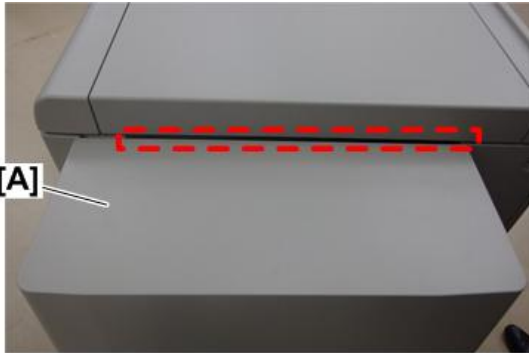
Note

- Insert the rib [B] into the notches [A] of the sponge strip.



d194d9563

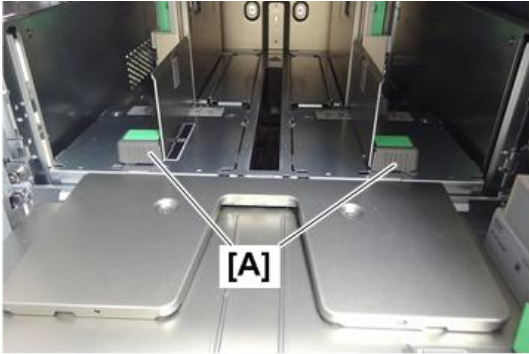
7. Re-attach the covers.
8. Close the top cover [A] and then confirm that there is no gap.



d194d9564

Attaching the Side Fences and End Fences

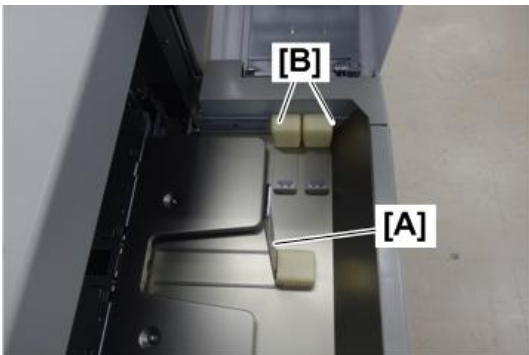
1. Attach the side fences [A] provided with this option as shown below.
The side fences are held to the vacuum feed banner sheet tray by magnets.



d194d9572

2. Stand the end fence (long) [A] provided with this option as shown below. Put the end fences (short) [B] (provided with this option) on the side of the tray.

The end fences are held to the vacuum feed banner sheet tray by magnets.



d194d9537

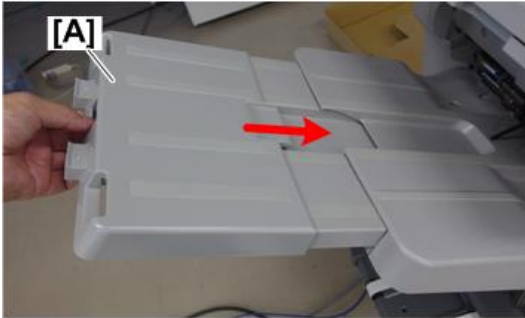
Attaching the Extension Tray to the Finisher

1. Pull out the extender of the finisher's shift tray.



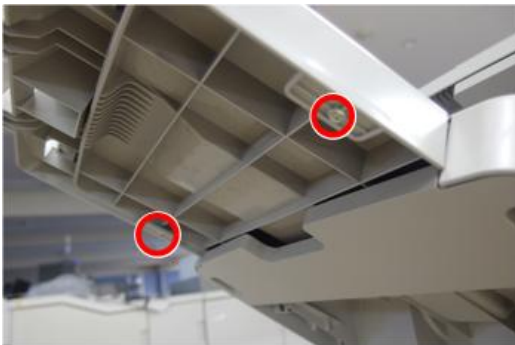
d194d9538

2. Insert the relay tray [A] provided with this option.



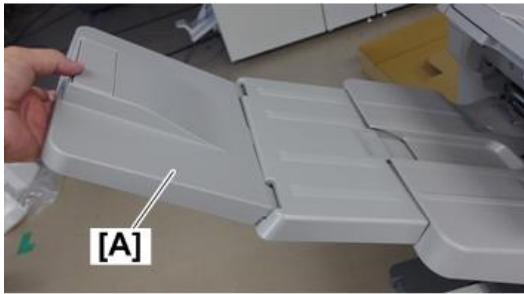
d194d9539

3. Fasten the relay tray together from the bottom with the screws provided with this option, so that it does not come apart. (🔩 ×2: M3×10)



d194d9540

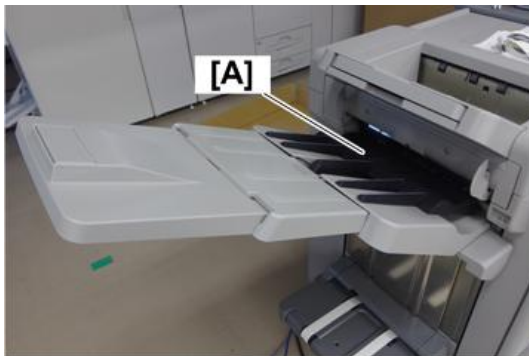
4. Insert the extension tray [A] provided with this option.



d194d9541

5. 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 the support plate.



d194d9542

↓ Note

- Insert the pins [A] of the support plate into the holes [B] of the shift tray.



d194d9567

SP Setting

After starting up the main machine, it is necessary to make sure the vacuum feed banner sheet tray is recognized by using the following SP.

1. Enter the SP mode.
2. Change SP5-150-002 from [0] to [1].
3. Exit the SP mode.
4. Restart the main machine.

Multi Bypass Tray BY5010 (D517)

↓ Note

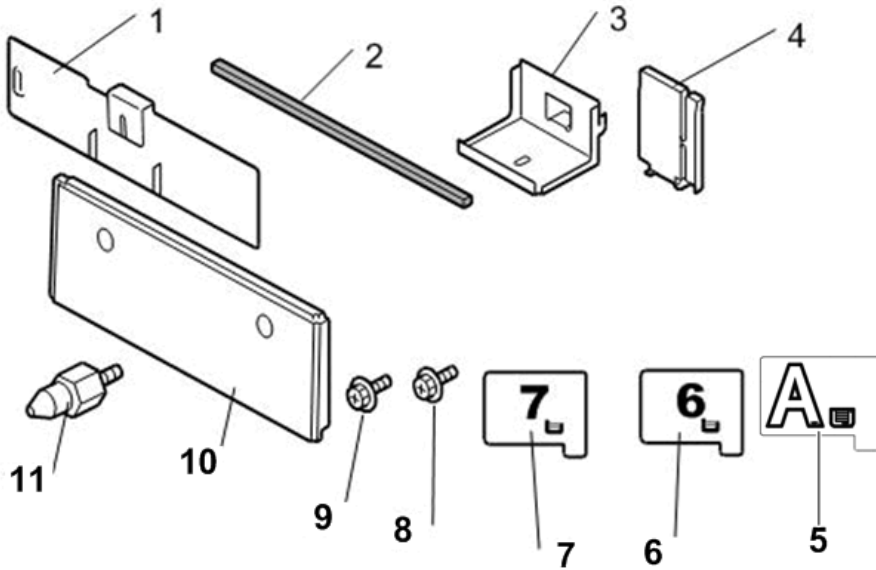
- The Multi Bypass Tray BY5010 can be installed on the Vacuum Feed LCIT RT 5100.
- When two or more Vacuum Feed LCITs are connected, the Multi Bypass Tray BY5010 can be installed on only the downstream Vacuum Feed LCIT (the closest one to the main machine).

2

Accessories

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

No.	Description	Q'ty
1	Tab Sheet Fence	1
2	Sponge Strip	1
3	Bracket	1
4	End Fence	1
5	Decal (Tray A)	1
6	Decal (Tray 6) *Not used	1
7	Decal (Tray 7) *Not used	1
8	Screws (M4×8)	2
9	Screws (M4×6)	4
10	Left Cover	1
11	Joint Pins	2
-	Decal (ROHS) *China Only	



d194e8238a

Installation

When installing the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100, the Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 is required.

See page 329 "Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 (D777)" for how to install the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100.

Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 (D777)

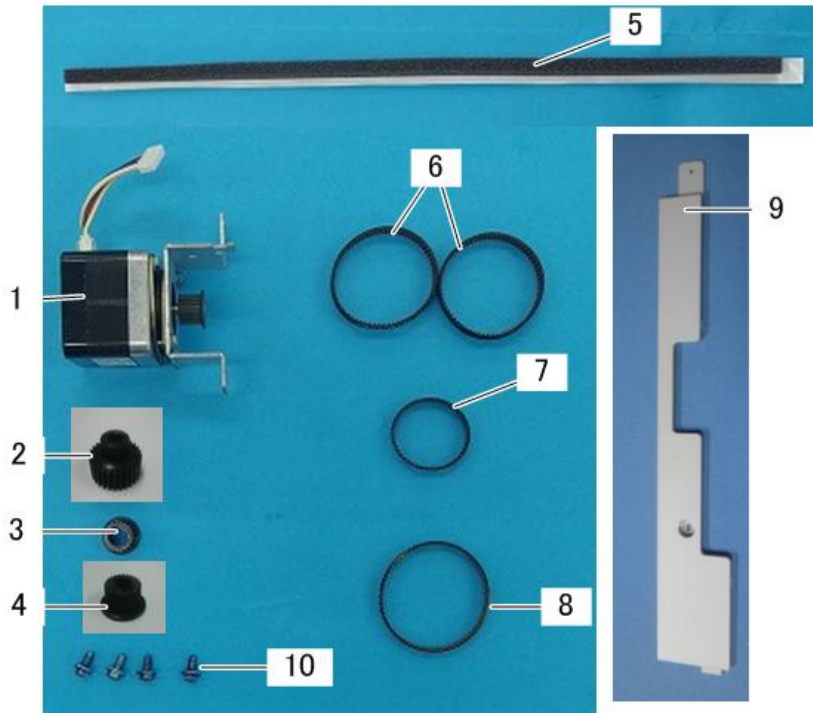
Note

- When installing the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100, this option is required to match the feed speed of the vacuum feed LCIT.

2

Accessories

No.	Description	Q'ty
1	Stepping Motor Assembly	1
2	Pulley Gear	1
3	Timing Pulley: Transport	1
4	Timing Pulley	1
5	Sponge Strip	1
6	Timing Belt: M134	2
7	Timing Belt: M96	1
8	Timing Belt: M140	1
9	Cover plate	1
10	Tapping screw: M4×8	4



d194d8201

Installation

This section describes how to install the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100 with the Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3.

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

Before You Begin...

- When two or more Vacuum Feed LCITs are connected, the Multi Bypass Tray can be installed on only the downstream Vacuum Feed LCIT (the closest one to the main machine).
- The Multi Bypass Tray must be installed on the Vacuum Feed LCIT before the Vacuum Feed LCIT is docked to the mainframe.

- If the Vacuum Feed LCIT is already installed, it must be disconnected from the mainframe before installation of the Multi Bypass Tray.

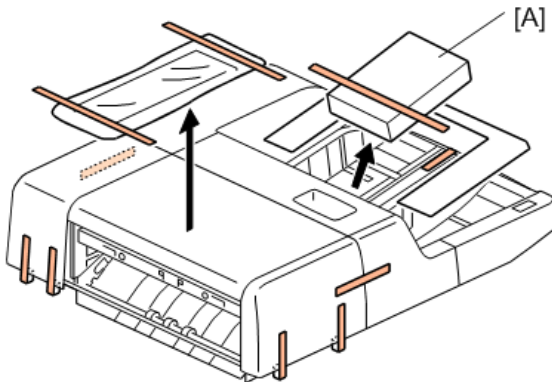
If the Vacuum Feed LCIT Has Already Been Installed...

Skip to the next section if you are installing the Vacuum Feed LCIT and Multi Bypass Tray together.

1. If the Vacuum Feed LCIT is connected to the machine, disconnect it.
2. To prevent damage to the connectors, before pulling the Vacuum Feed LCIT away from the mainframe:
 - Pull the Vacuum Feed LCIT about 20 cm (8") away from the main machine.
 - Disconnect the connectors.
 - Pull the Vacuum Feed LCIT completely away from the machine.

Preparing for the Multi Bypass Tray

1. Remove the accessory packet [A] and open it.
2. Remove all tape and shipping materials.



d517i101

↓ Note

- The guide plate of the unit bottom sticks out, so place the unit on a table as shown below.



d194d8205

3. Rear cover [A] (🔩×2: M4×8)



d194d8206

4. Open the bypass tray.



d194d8207

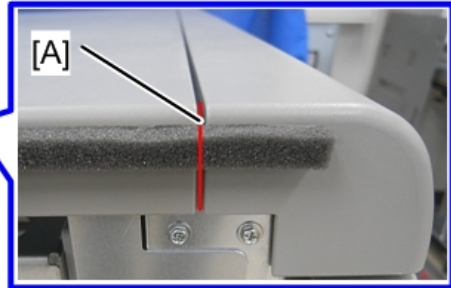
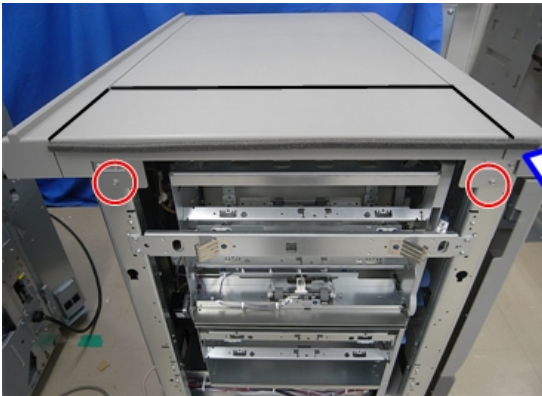
5. Front cover [A] (🔩×1: M4×8)



d194d8208

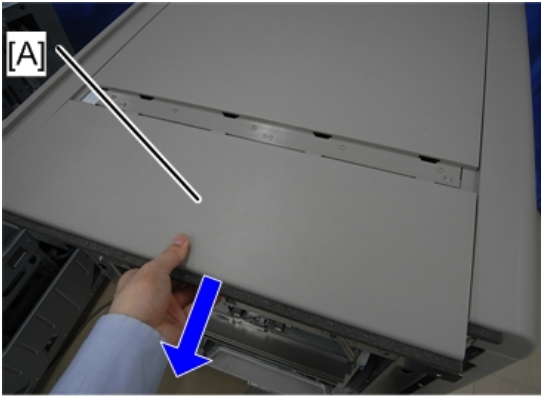
Mounting the Multi Bypass Tray

1. Cut the cushion at the position [A] along the groove of the left top cover of the Vacuum Feed LCIT.
2. Remove the screws on the left top cover. (🔩×2)



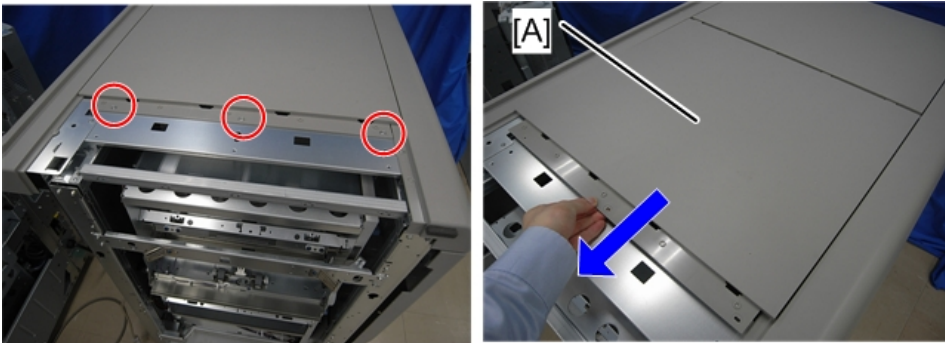
d777z0047

3. Slide the left top cover [A] in the direction of the blue arrow and remove it.



d777z0048

4. Slide the center top cover [A] in the direction of the blue arrow and remove it. (⚙️ ×3)

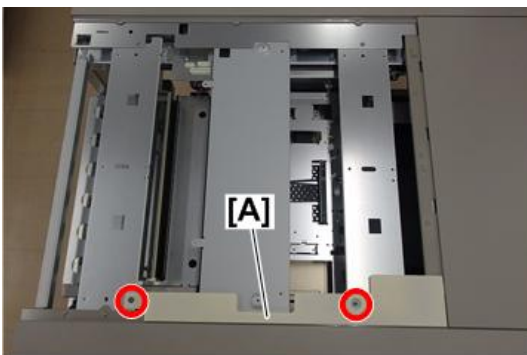


d777z0049

5. Attach the cover plate [A] (provided with the Multi Bypass Attachment Kit) to the front edge. (⚙️ ×2: M4×8)

Note

- Fixing screws are also provided with the Multi Bypass Attachment Kit.

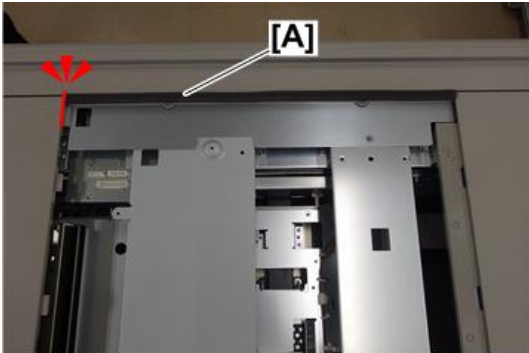


d194d8203

6. Remove the tape from the sponge strip provided with the Multi Bypass Attachment Kit.
7. Attach the sponge strip [A] to the rear edge.

Note

- Paste it from the left end so that there is no gap between the left end and sponge strip and between the right end and sponge strip.



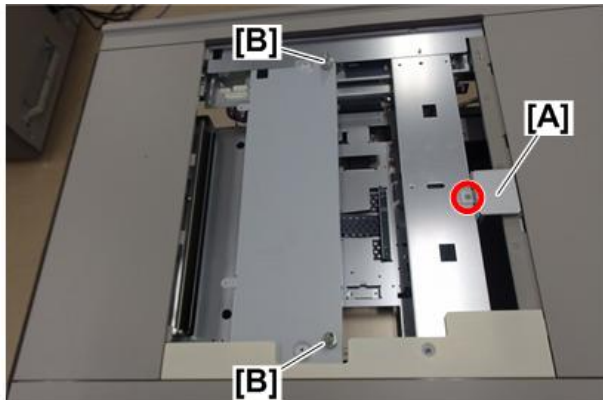
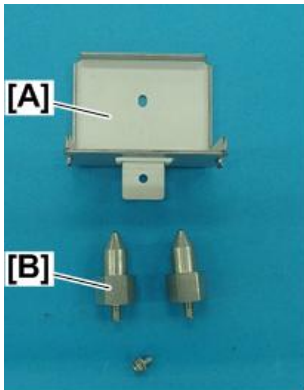
d194d8204

8. Attach the bracket [A] and joint pins [B]. (🔩×1: M4×6)

These are provided with the Multi Bypass Tray.

Note

- The fixing screw is also provided with the Multi Bypass Tray.



d194d8209

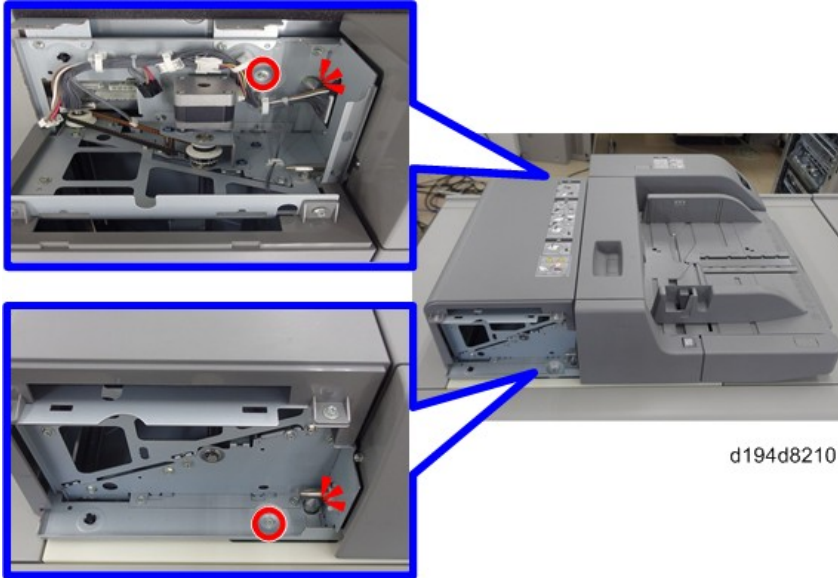
9. Mount the Multi Bypass Tray on the Vacuum Feed LCIT. (🔩×2: M4×6)

Align the holes at the front and rear of the Multi Bypass Tray with the joint pins on the Vacuum Feed LCIT.

Note

- The bypass unit weighs 20 kg (44 lb.). You may need assistance to set the bypass unit on top of the Vacuum Feed LCIT.
- Fixing screws are provided with the Multi Bypass Tray.

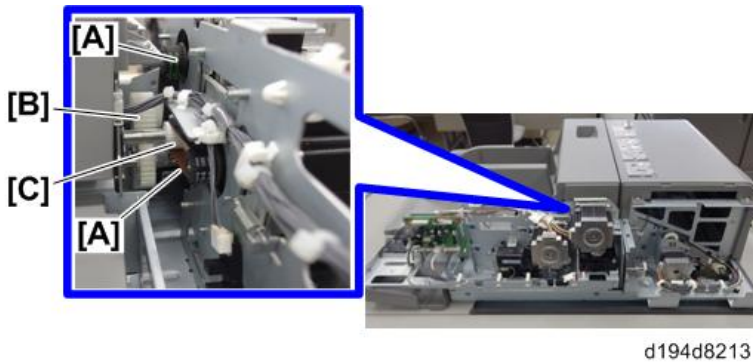
2



Replacing the Pulley and Belt

It is necessary to replace the following parts of the Multi Bypass Tray with ones provided with the Multi Bypass Attachment Kit in order to match the feed speed of the vacuum feed LCIT.

Around the Paper Feed Motor/ Paper Transport Motor

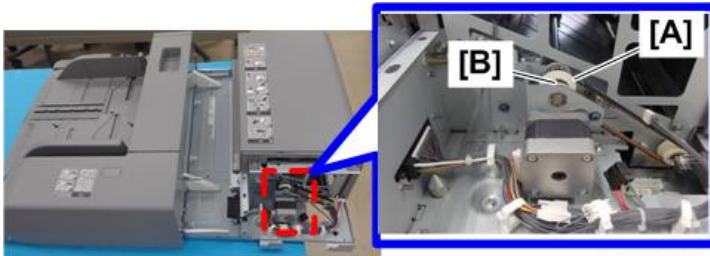


[A]: Timing Belt x2

[B]: Pulley Gear

[C]: Timing Pulley

Around the Relay Motor



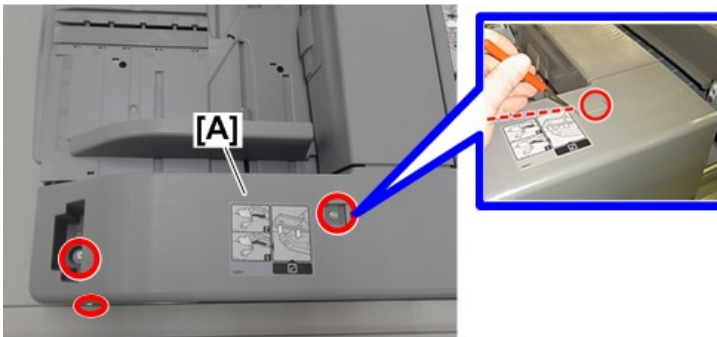
d194d8224

[A]: Timing Pulley

[B]: Timing Belt

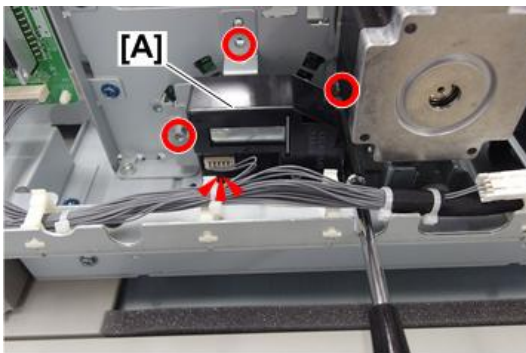
Around the Paper Feed Motor and Paper Transport Motor

1. Bypass tray rear cover [A] (cap×1, ⚙️×3)



d194d8212

2. Remove the lift motor [A] with the bracket. (⚙️×3, 📦×1)

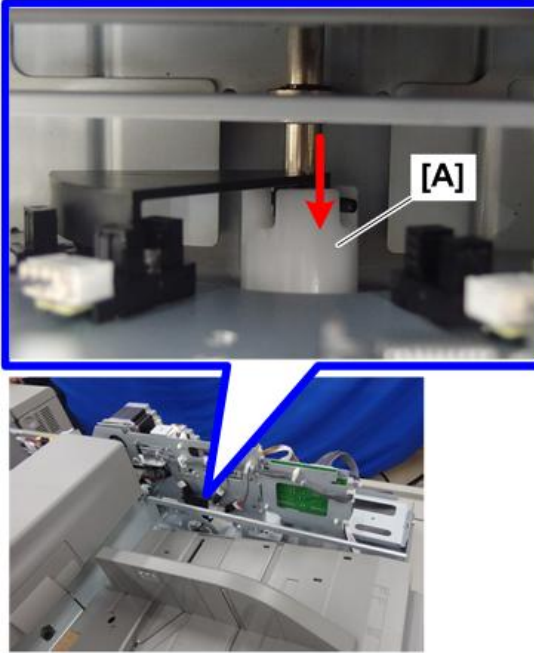


d194d8214

↓ Note

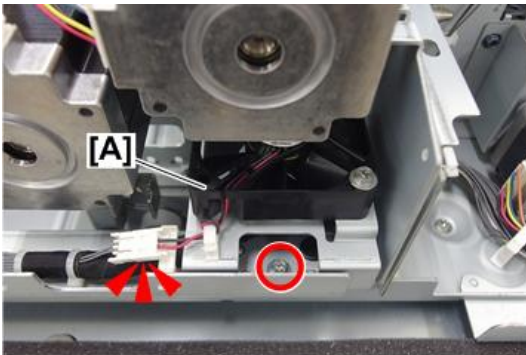
- Remove it while pushing the coupling [A] of the motor.

- When the coupling is off the tray shaft, the tray may fall down suddenly. So work carefully.



d194d8239

3. Remove the transport motor fan [A] with the bracket. (⚙️ ×1, 🗑️ ×1)



d194d8215

4. Open the clamps and then free the harnesses. (🔧 ×8)
5. Disconnect the paper height sensor connectors. (🗑️ ×3)

6. Disconnect the ground wire. (🔧×1)

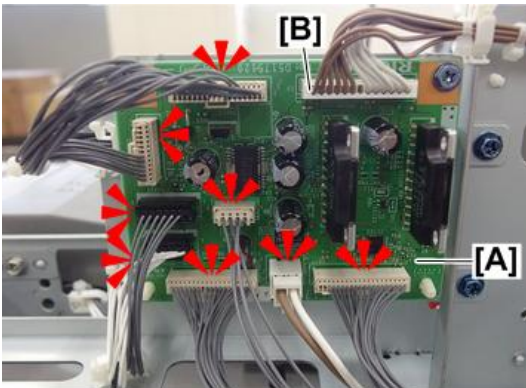


d194d8216

7. Disconnect the connectors from the bypass tray PCB [A]. (🔧×8)

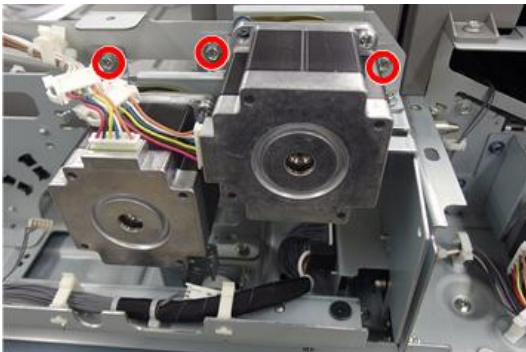
⬇️ Note

- It is not necessary to disconnect the connector [B].

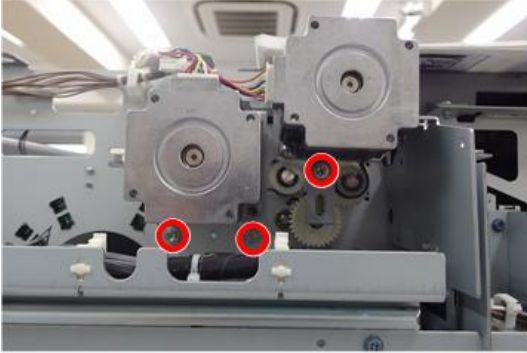


d194d8217

8. Loosen the six screws on the paper feed motor and paper transport motor to free the tension of the timing belt. (🔧×6)

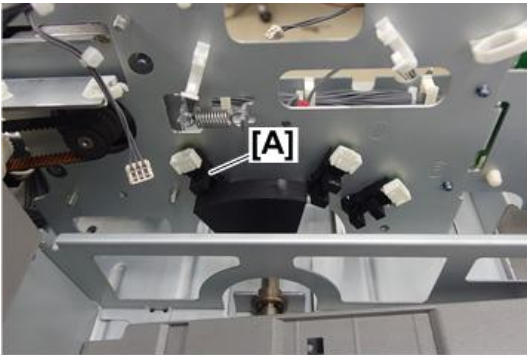


d194d8218



d194d8218a

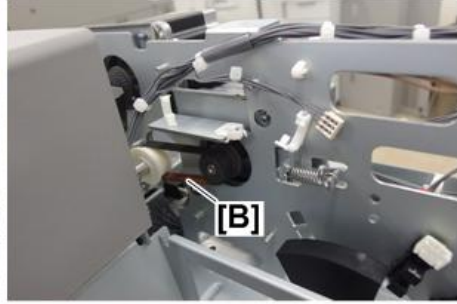
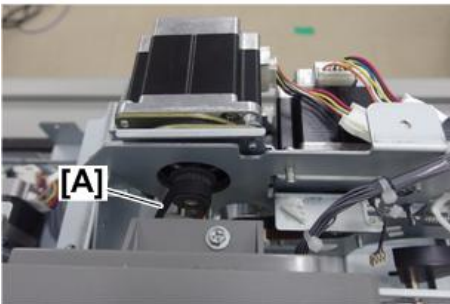
9. Paper height sensor [A] (paw|x3)



d194d8219

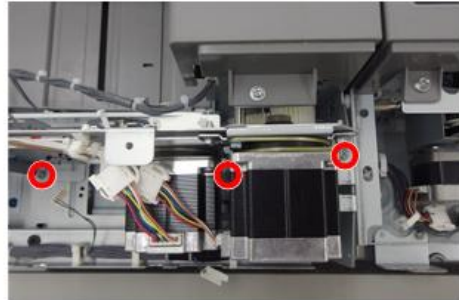
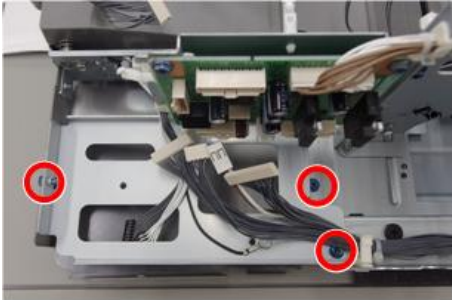
10. Remove the timing belt [A] from the paper transport motor.

11. Remove the timing belt [B] from the paper feed motor.

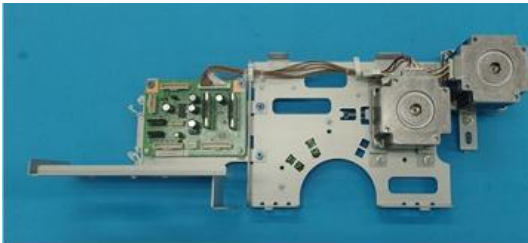


d194d8220

12. Remove the motor/PCB bracket. (⚙️×6)



d194d8221

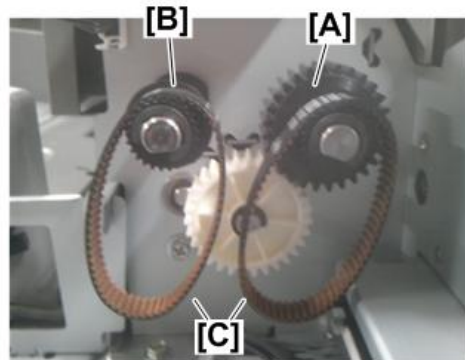
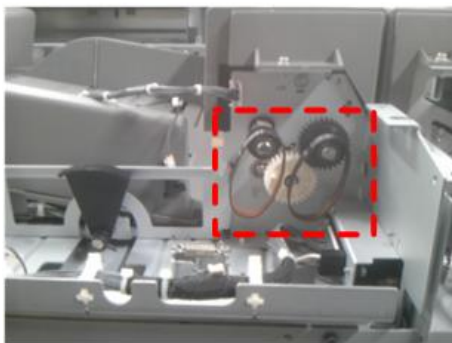


d194d8222

13. Replace the pulley gear and timing pulley for the ones provided with the Multi Bypass Attachment Kit. (pulley gear [A], timing pulley [B]) (⚙️×1 each)

14. Set the two timing belts: M134 [C] temporarily.

Timing belts: M134 are also provided with the Multi Bypass Attachment Kit.



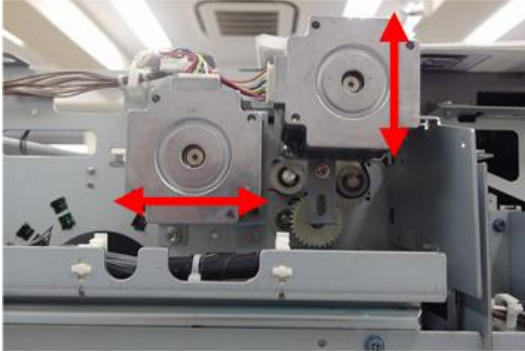
d194d8223

15. Re-attach the motor/ PCB bracket. (⚙️×6)

16. Attach the timing belts to the paper feed motor and paper transport motor while sliding them and then fix the motors. (🔧×6)

⬇️ Note

- Slide direction of each motor



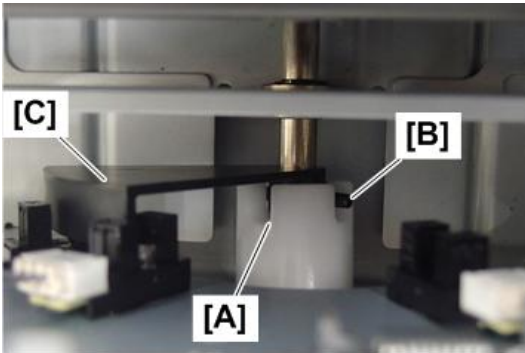
d194d8218b

17. Re-attach the removed parts and connectors.

⬇️ Note

- When re-attaching the lift motor, insert the pin [B] of the tray shaft into the dent [A] of the coupling.

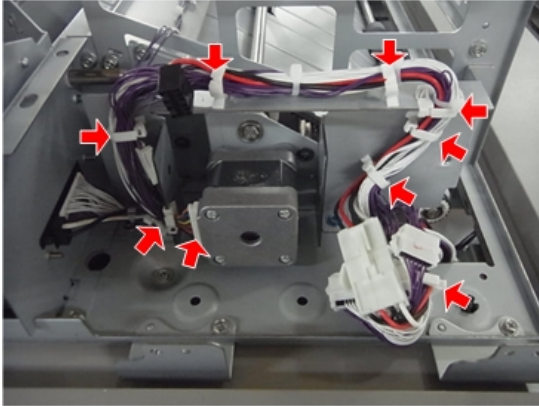
Moving the sensor shutter [C] while lifting the tray makes the tray shaft rotate. That makes it easy to insert the pin into the dent.



d194d8227

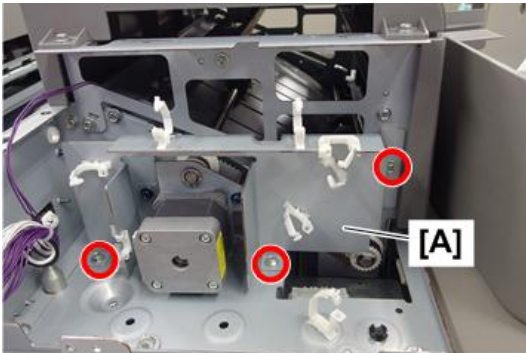
Around the Relay Motor

1. At the rear, open the clamps and then free the harnesses. (🔧×8, 📦×1)



d194z0311

2. Harness bracket [A] (🔧×3)

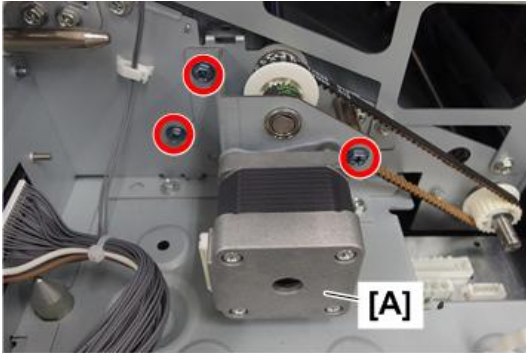


d194d8240

3. Relay motor assembly [A] (🔧×3, bearing×1)

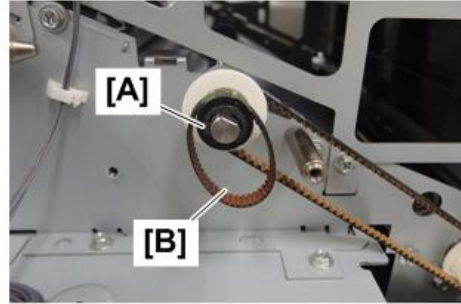
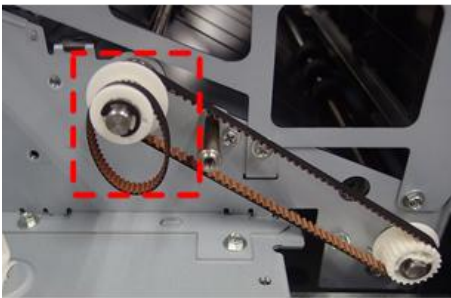
⬇️ Note

- Be careful not to drop the bushing.



d194d8225

4. Replace the timing pulley and timing belt for the ones provided with the Multi Bypass Attachment Kit (timing pulley: transport [A], timing belt: M96 [B]). (🔧×1)

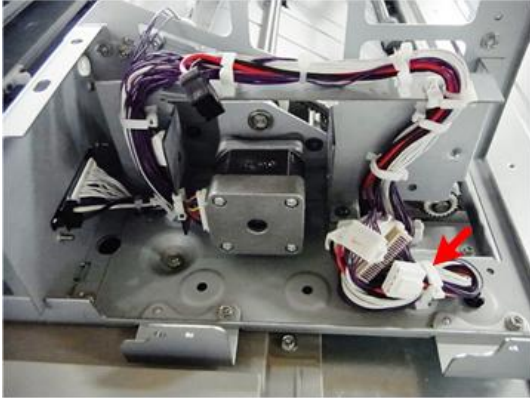


d194d8226

5. Re-attach the relay motor assembly and then attach the timing belt to the relay motor.
6. Fix the relay motor assembly. (🔧×6)
7. Re-attach the harness bracket and harnesses.

Connecting the Multi Bypass Tray

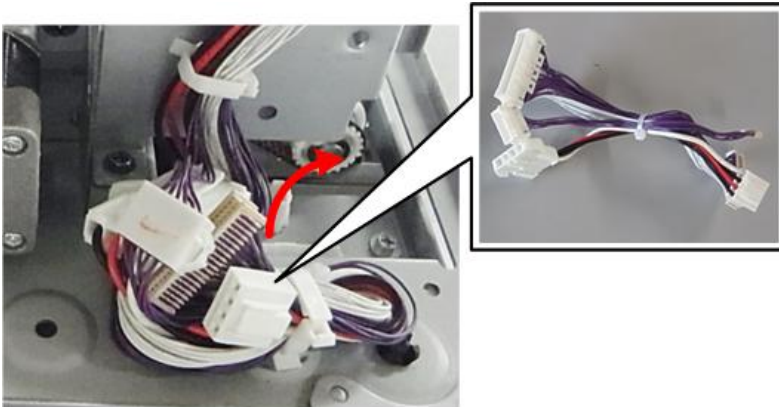
1. At the rear, open the clamp to disconnect the three harness cables. (🔧×1)



d5170038

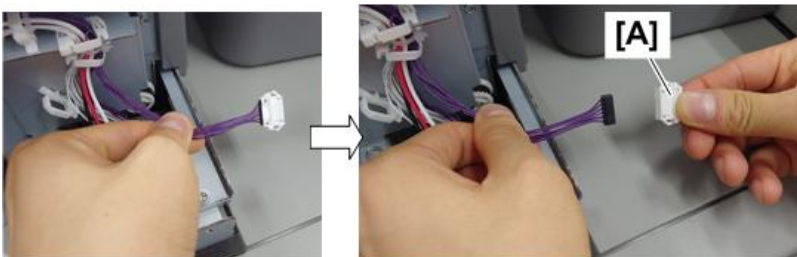
2. Remove the short harnesses.

These harnesses are not used for this installation.



d5170039

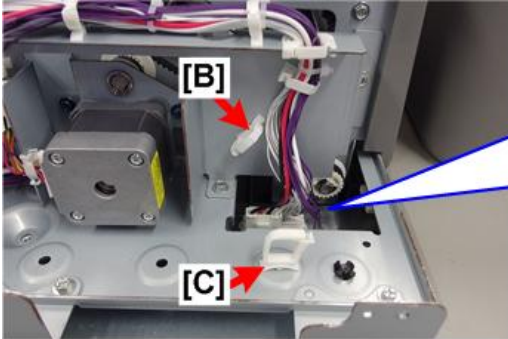
3. Remove the connector socket [A] from the 6-pin connector.



d194d8241

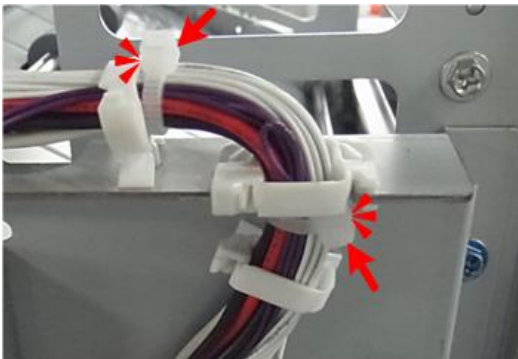
4. Locate the three connection points [A] on the Vacuum Feed LCIT (inside the tray), and then securely connect the 3 harnesses. (📦 x3)

Clamp [B] [C] are not used for this installation.



d194e8237a

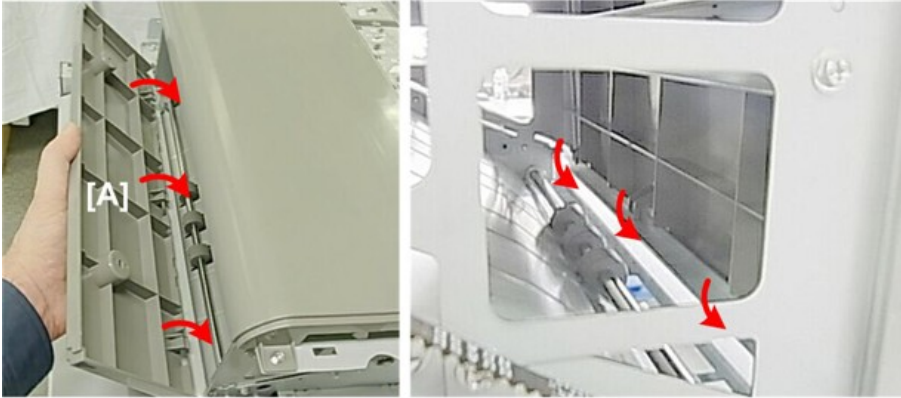
5. When you close the harnesses, make sure that the two lock bands are positioned as shown below.



d5170040

Bypass Covers

1. Set the left cover [A] provided with the Multi Bypass Tray. Make sure that the claws are set correctly in their holes.



d517i015

2. Fasten the left cover [A]. (🔩 ×2, M4×8)

↓ Note

- Fixing screws are provided with the Multi Bypass Tray.

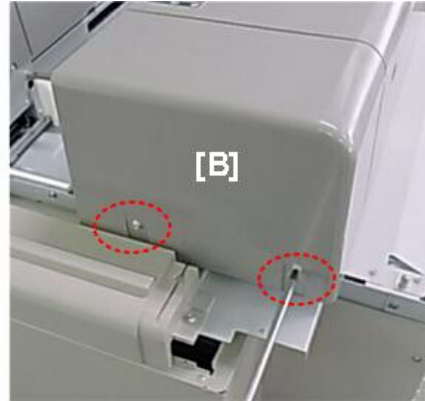
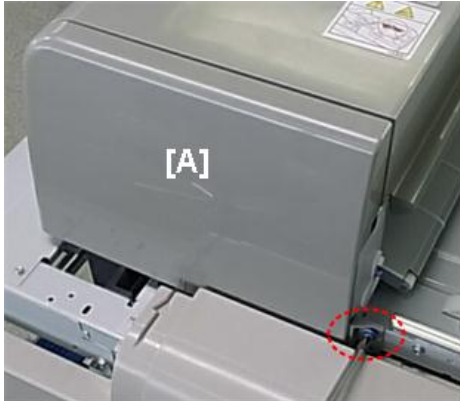


d517i016

3. Re-attach:

Front cover [A] (🔩 ×1: M4×8)

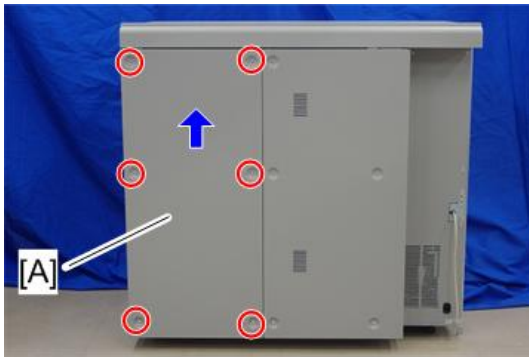
Rear cover [B] (🔩 ×2: M4×8)



d517i017

Installing the Motor on the Vacuum Feed LCIT

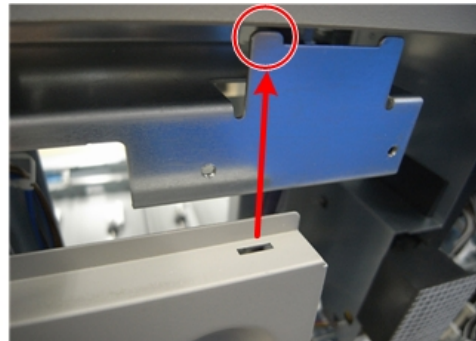
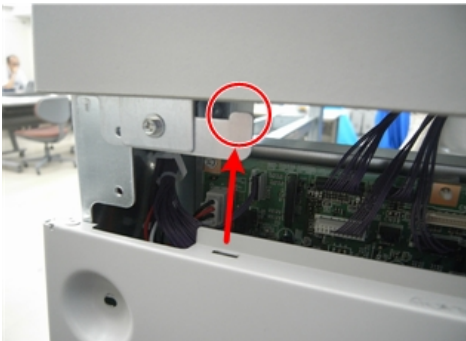
1. Lift the rear left cover [A] of the Vacuum Feed LCIT slightly and remove it. (🔑×6)



d777z5004

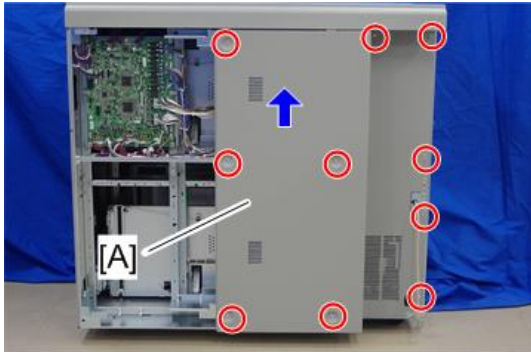
↓ Note

- When attaching the rear left cover, hang it on the hook.



d777z0061

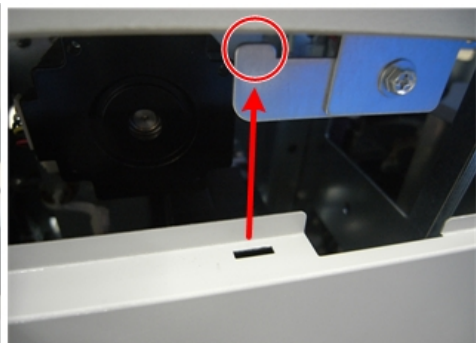
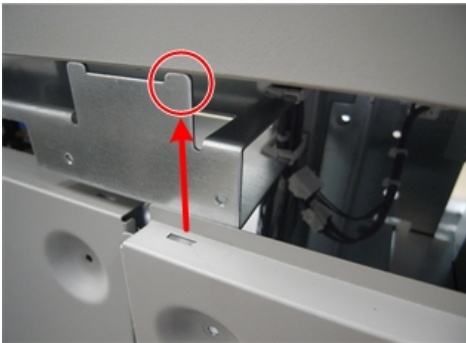
2. Lift the rear right cover [A] slightly and remove it. (🔩×10)



d777z5005

↓ Note

- When attaching the rear right cover, hang it on the hook.

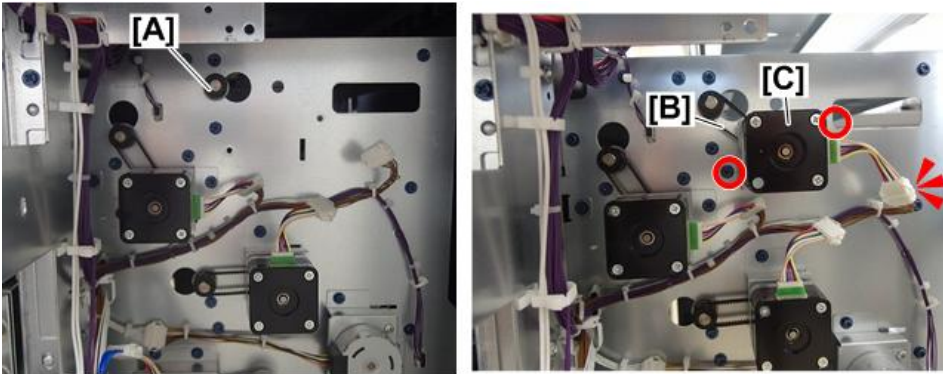


d777z0062

3. Attach the stepping motor assembly [C] while attaching the timing belt: M140 [B] to the pulley [A] and stepping motor. (🔩×2: M4×8, 📦×1)

↓ Note

- The stepping motor assembly, timing belt: M140 and fixing screws are provided with the Multi Bypass Attachment Kit.



d194d8202

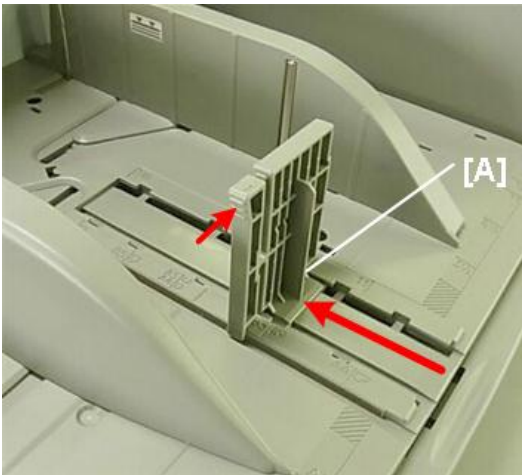
4. Re-attach the covers.

End fence and tab sheet fence

Note

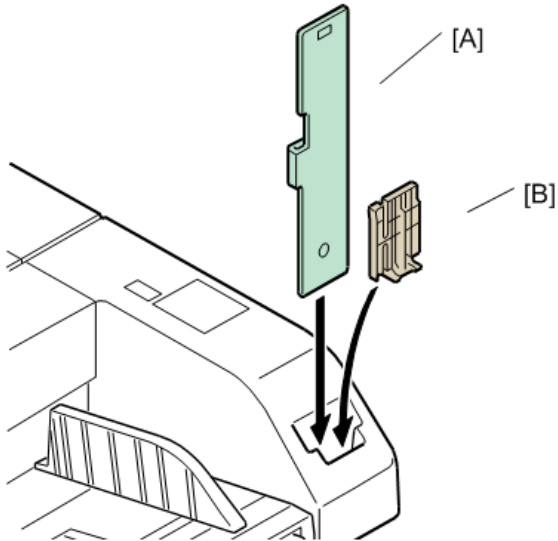
- The items in this section are bypass unit accessories.

1. Set the end fence [A].



d517i031

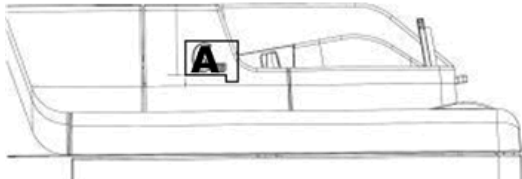
2. Store the tab sheet fence [A] as shown. Also store the end fence [B] here if the customer does not need to use it at this time.



d517i033

Attaching the Tray Number Decals

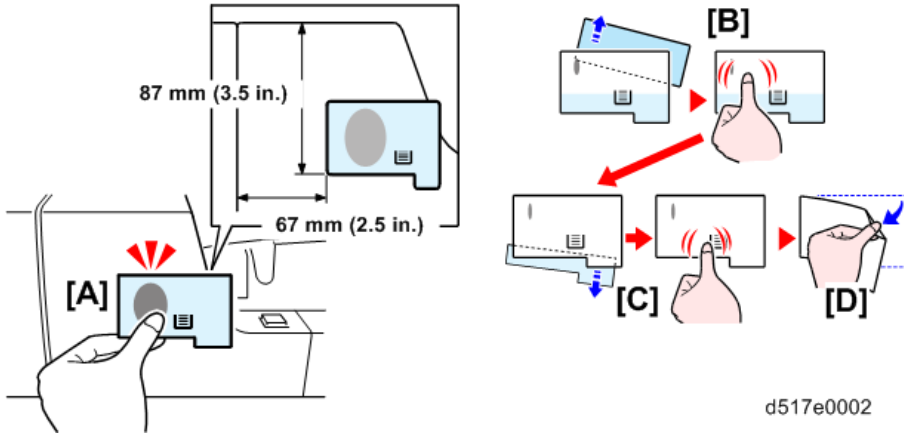
1. Attach the decal (tray A) to the front of the unit as shown below.



d517e0003

2. First, attach the decal (tray A) [A] at the position shown.
3. Pull the back strip [B] from behind the upper part of the decal, and then press where the strip was removed.
4. Pull the back strip [C] from behind the lower part of the decal, and then press where the strip was removed.

5. Pull the clear sheet [D] from the surface of the decal.



Docking, Height Adjustment

Follow the procedures in the Vacuum Feed LCIT installation section to complete this installation.

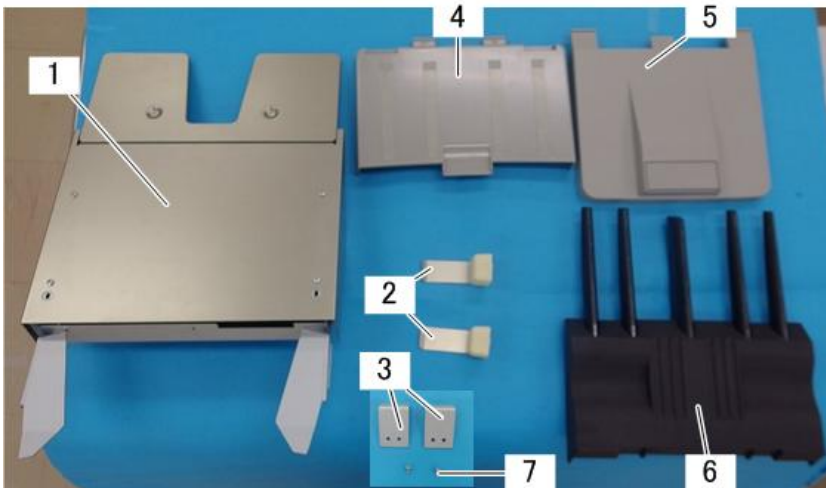
- Docking (page 244 "Vacuum Feed LCIT RT5100 (D777)")
- Height adjustment (page 548 "Height and Level Adjustment")

Multi Bypass Banner Sheet Tray Type S3 (D517)

Accessories

2

No.	Description	Q'ty
1	Banner Sheet Tray	1
2	End fence	2
3	Joint Plate	2
4	Relay Tray	1
5	Extension Tray	1
6	Support Plate	1
7	Tapping bind screw: M4×6	6
-	Tapping screw: M3×10	2



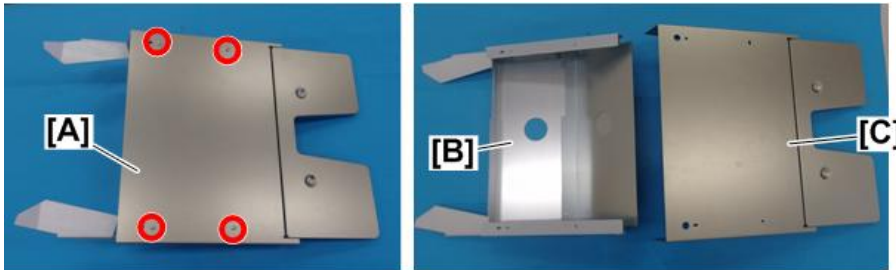
d194d8228

Installation

⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

1. Remove the screws from the banner sheet tray [A] and then separate the base tray [B] and cover [C]. (⚙ ×4)



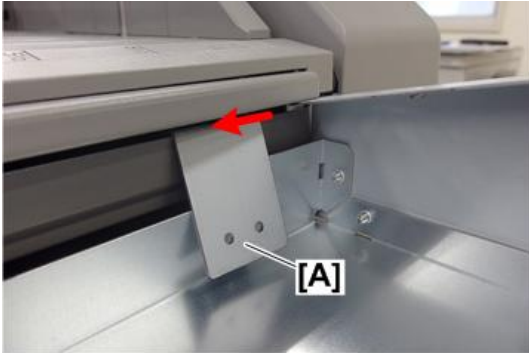
d194d8229

2. Insert the base tray [A] under the bypass tray.



d194d8230

3. Hang the two joint plates [A] (provided with this option) in the gap under the extension tray.



d194d8231

4. Move each joint plate [A] under the base tray edges and then fix them to the base tray. (🔩×1 each: M4×6)

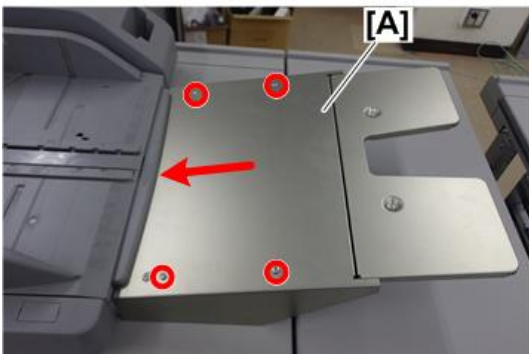
Fixing screws are provided with this option.



d194d8232

5. Insert the cover [A] separated in step 1 between the extension tray and base tray, and then fix it. (🔩×4: M4×6)

Fixing screws are provided with this option.



d194d8233

6. Pull the extension tray [A] and then hang it on screws as shown below.



d194d8234

7. Stand the end fences [A] (provided with this option) as shown below.

The end fences are held to the banner sheet tray by magnets.



d194d8235

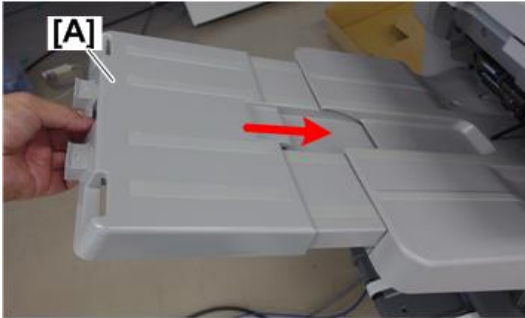
Attaching the Extension Tray to the Finisher

1. Pull out the extender of the finisher's shift tray.



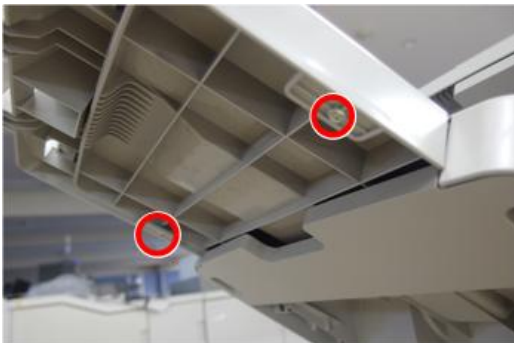
d194d9538

2. Insert the relay tray [A] provided with this option.



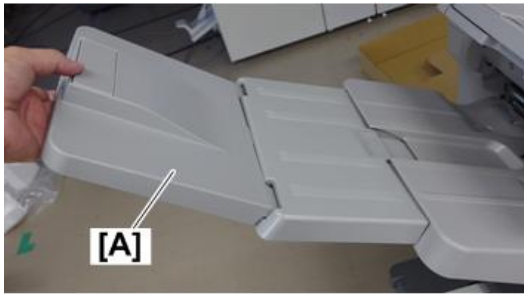
d194d9539

3. Fasten the relay tray together from the bottom with the screws provided with this option, so that it does not come apart. (🔩×2: M3×10)



d194d9540

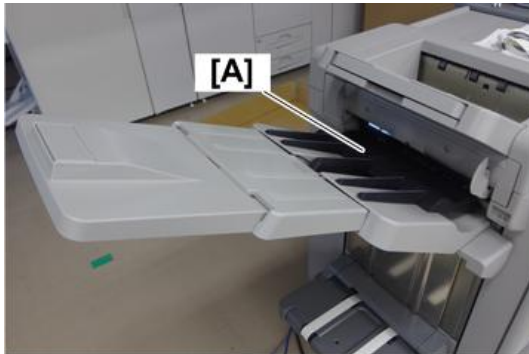
4. Insert the extension tray [A] provided with this option.



d194d9541

5. 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 the support plate.



d194d9542

Note

- Insert the pins [A] of the support plate into the holes [B] of the shift tray.



d194d9567

SP Setting

After starting up the main machine, it is necessary to make sure the Multi Bypass Banner Sheet Tray is recognized by using the following SP.

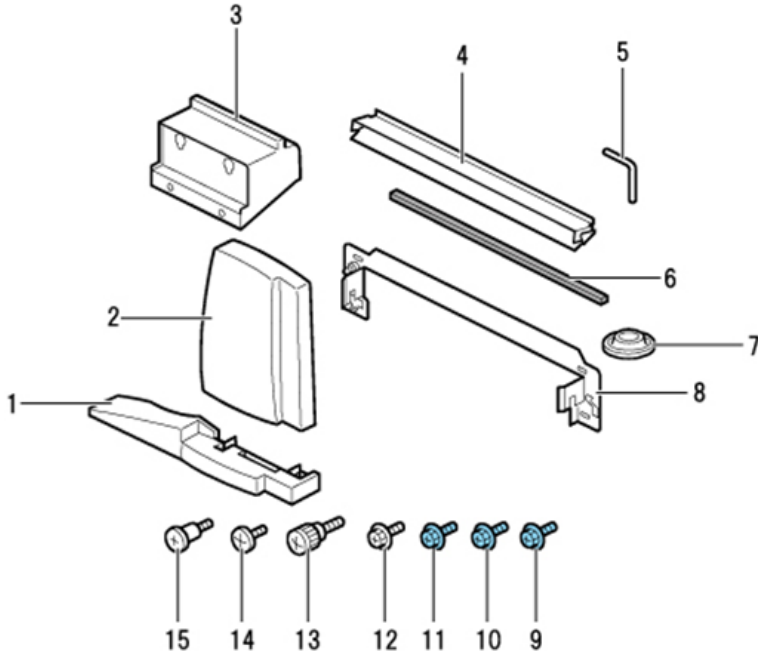
1. Enter the SP mode.
2. Change SP5-150-001 from [0] to [1].
3. Exit the SP mode.
4. Restart the main machine.

Cover Interposer Tray CI5030 (D738)

Accessories

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

2



d7381000

No.	Description	Q'ty
1	Base Cover (Tray Unit)	1
2	Front Cover	1
3	Spacer	1
4	Relay Guide Plate	1
5	"L" Hinge Pins (Tray Unit Front Cover)	2
6	Sponge Strip	1
7	Leveling Shoes	4
8	Joint Bracket	1

No.	Description	Q'ty
9	Screw (M4×8)	2
10	Screw (M3×8)	1
11	Screw (M3×6)	2
12	Screw (M4×8)	4
13	Knob Screw	2
14	Flat Knob Screw (M3×10)	3
15	Shoulder Screw	1

Installation

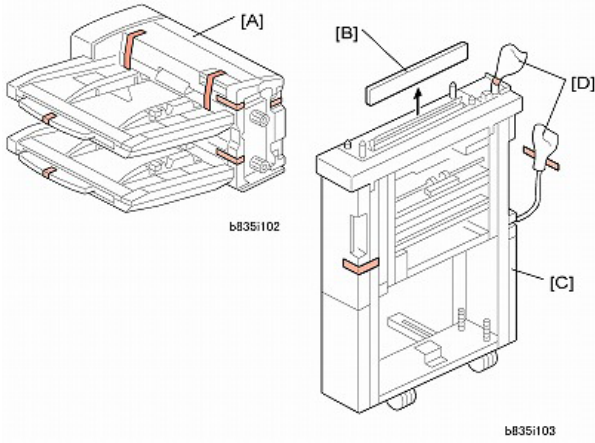
CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

Tapes

1. Remove all the tape and shipping materials from the tray unit [A].
2. Remove cover [B].
3. Remove all tape and shipping materials from the transport unit [C].

4. Remove tape and covers from both connectors [D].



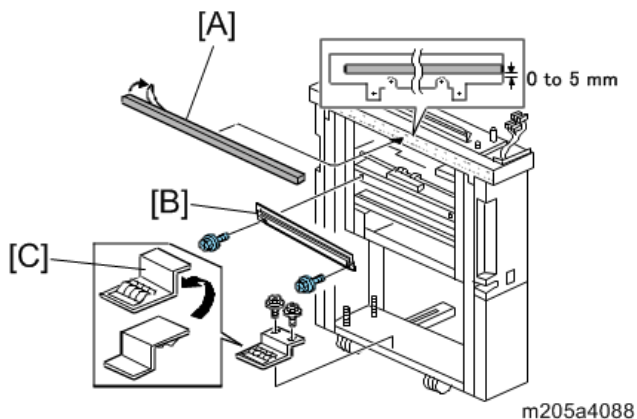
5. Attach accessory bracket [A] to the downstream unit. (Ⓜ ×4: M6×8)



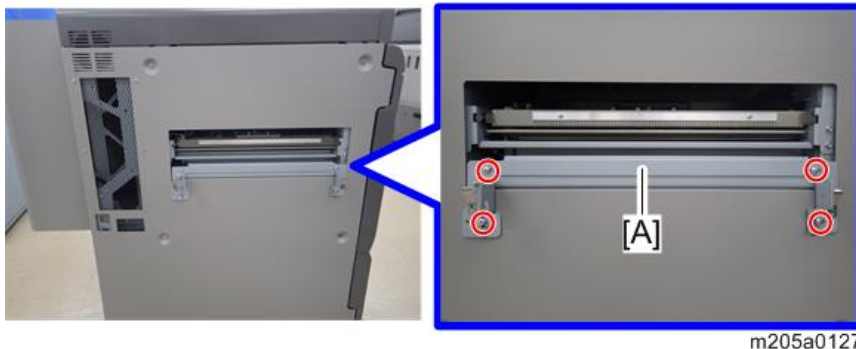
6. Peel the tape off cushion [A] and attach it.

7. Attach paper guide [B]. (Ⓜ ×2: M3×6)

8. Remove ground plate [C] from the bottom rail, turn it over, and then attach it at the same location. (⚙️ ×2)



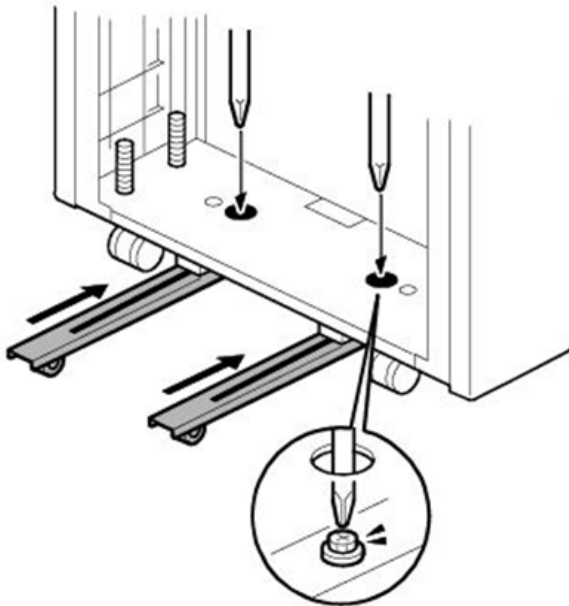
9. Attach the joint bracket [A] provided with the cover interposer tray to left side of the main machine. (⚙️ ×4: M4×8)



10. Loosen the screws to unlock the casters, carefully move the unit to the side of the downstream unit, and then push both casters under the unit.

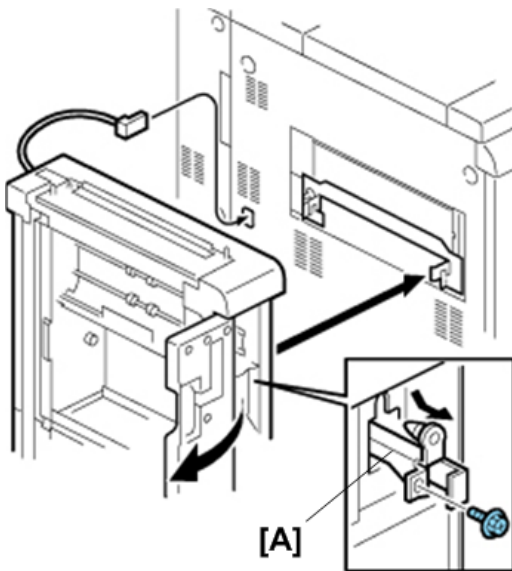
⚠️ CAUTION

- The unit is top heavy and can tip easily once the casters are unlocked and pushed under the unit.



d7381004

11. Release lock lever [A], push the unit against the side of the side of the machine, push in the lock lever, and then re-attach the screw. (🔩 ×1)

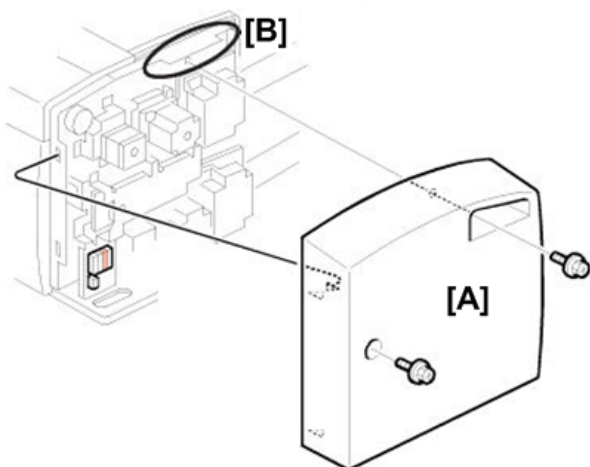


d7381005

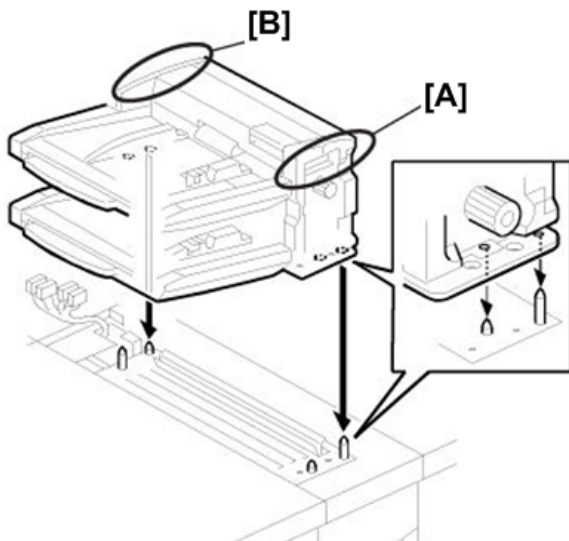
12. Connect the I/F connector. (🔌 ×1)

13. Remove the rear cover of the feed unit [A]. (⚙️ ×2)**↓ Note**

- When you re-attach the cover, be sure that it engages correctly with the catch at [B].

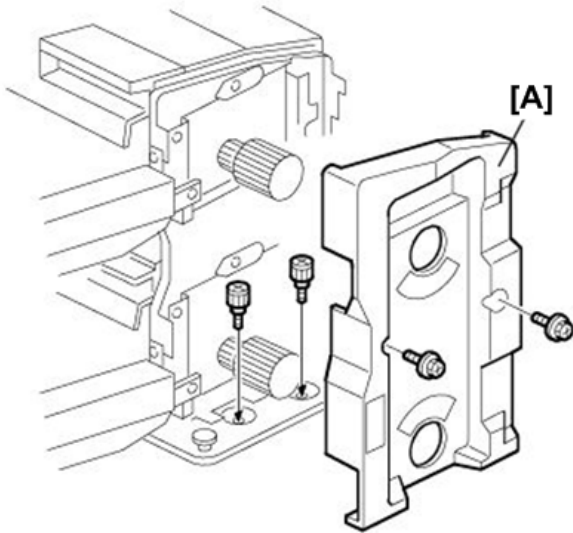


d7381006

14. While holding the feed unit by the handles [A] and [B], lower the unit onto the pins below.

d7381007

15. Remove cover [A], attach the knob screws, and then re-attach the cover. (🔩×2, 🌀×2: M4×8)



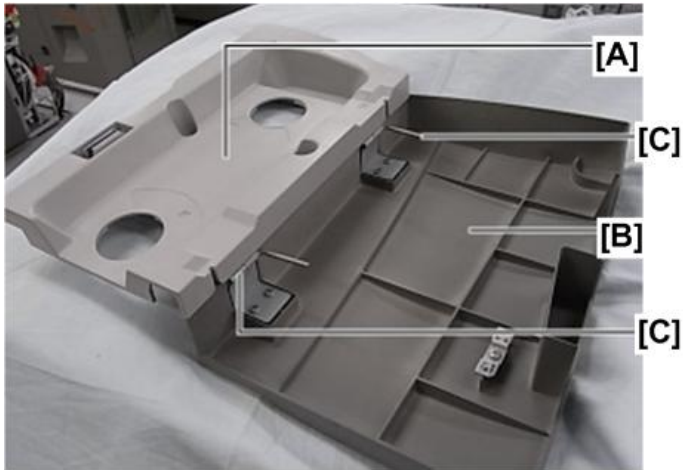
d7381008

16. Attach front spacer [A]. (🔩×1: M4×10)



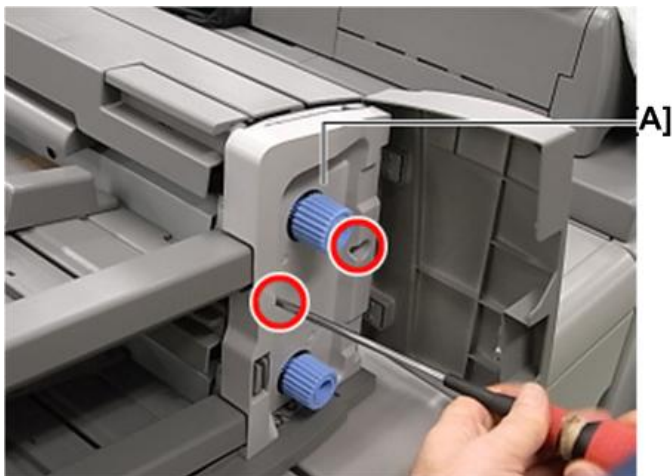
d7381009

17. Attach cover [A] to the front door [B] with "L" pins [C].



d7381010

18. Attach front cover [A]. (⚙️ ×2)



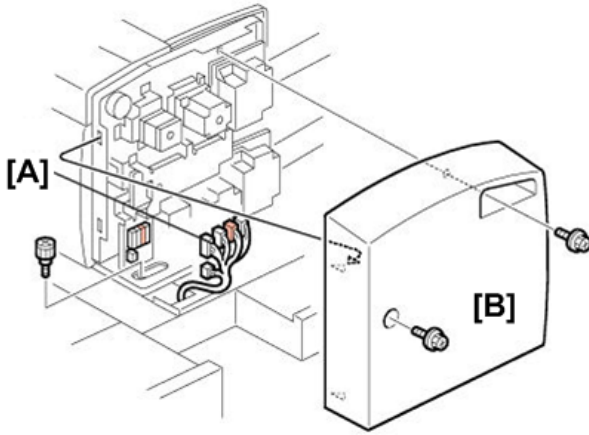
d7381011

19. Connect the back of the feed unit. (⚙️ ×1, 📦 ×5)

20. Attach rear cover [B]. (⚙️ ×2)

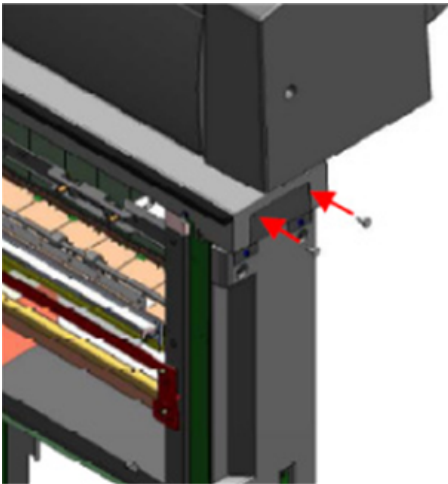
★ Important

- Check the harnesses and make sure that they are not pinched.



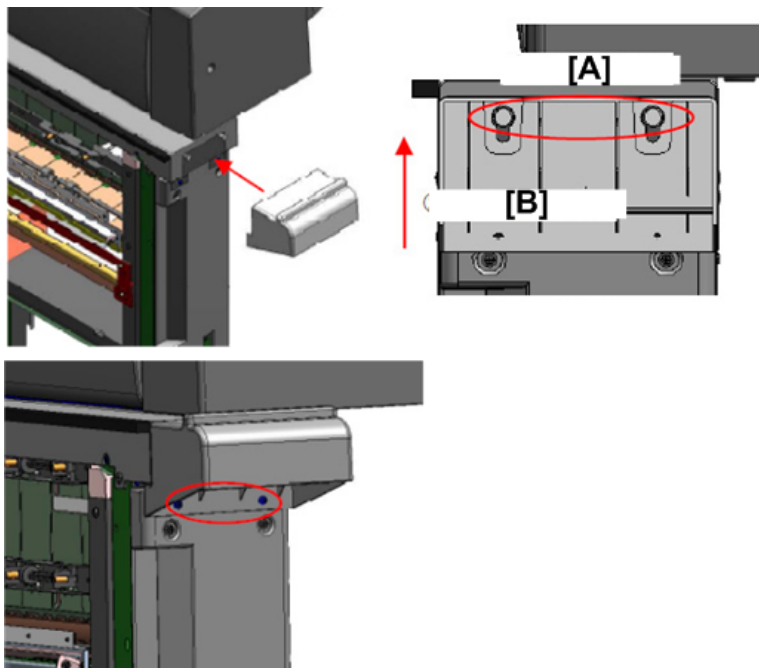
d7381012

21. Attach the step screws. (⊕ × 2)



d7381013

22. Set the auxiliary tray on the four shoulder screws [A], slide the tray up [B], and then fasten the tray. (🔩×2: M4×8)

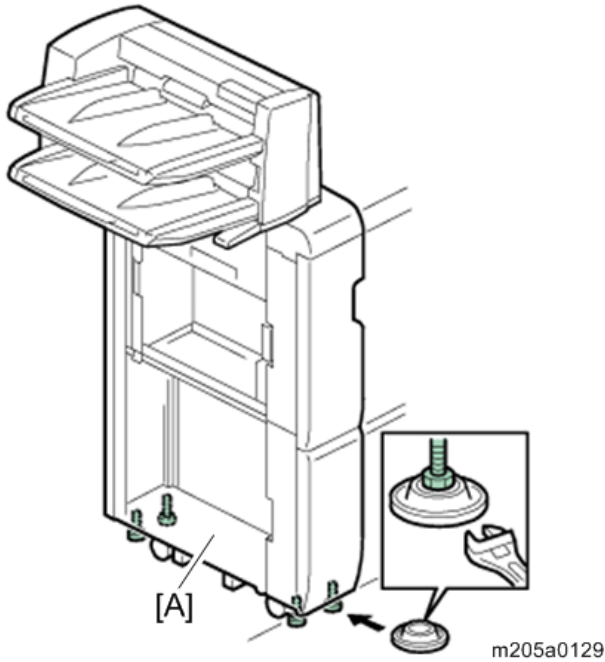


d7381014

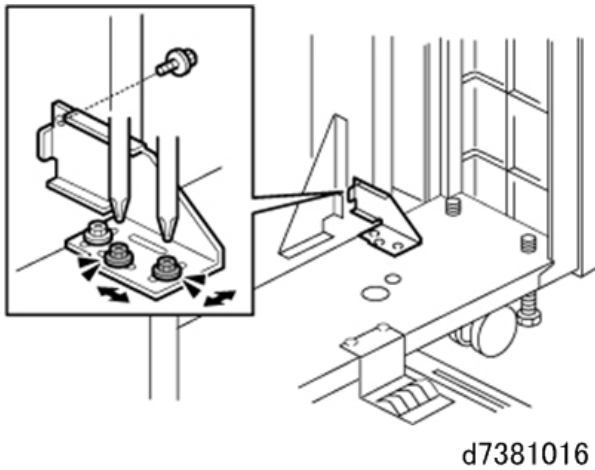
23. Install the four shoes, and then adjust the height of the unit so it is level.

↓ **Note**

- Place a level inside the interposer tray [A]. Measure from left-to-right and front-to-back, then adjust the height of the unit so that the unit is level with the main machine (less than 5mm from level).



24. Connect the base of the cover interposer tray to the downstream unit.



Note

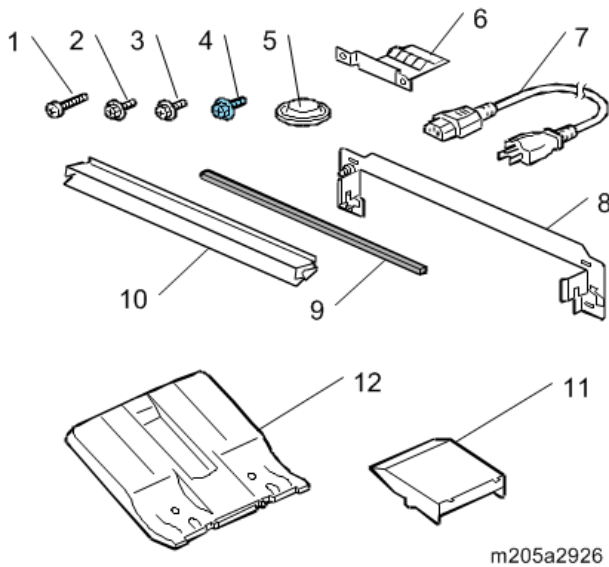
- Do this after you have installed the downstream unit.
- Remove the rear cover of the downstream unit, then use the accessory screws for the base of the cover inserter tray.
- Be sure to tighten the screws so there is no slippage between the units.

Booklet Finisher SR5060 (D734)/Finisher SR5050 (D735)

Accessories

2

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



No.	Description	Q'ty	
		SR5050	SR5060
1	Screws M4×14 (Joint Bracket)	4	4

No.	Description	Q'ty	
		SR5050	SR5060
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	Paper Guide	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

*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.

Installation

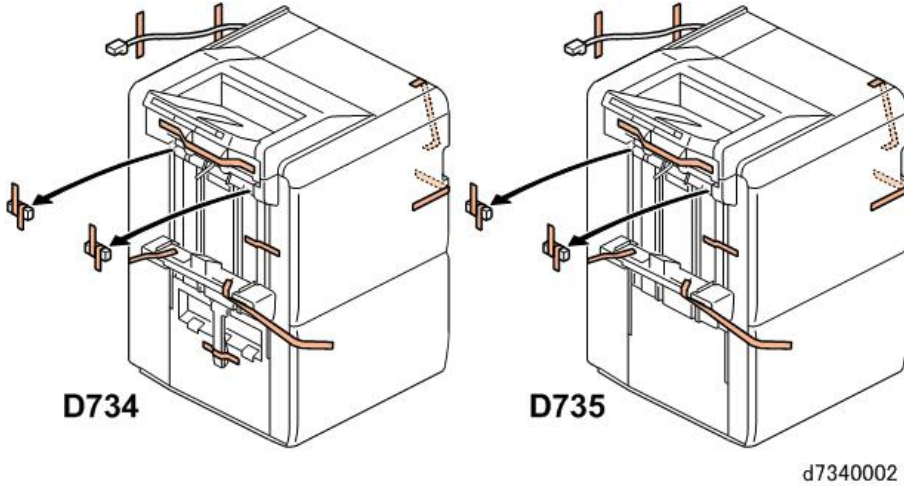
CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the machine are switched off and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

Note

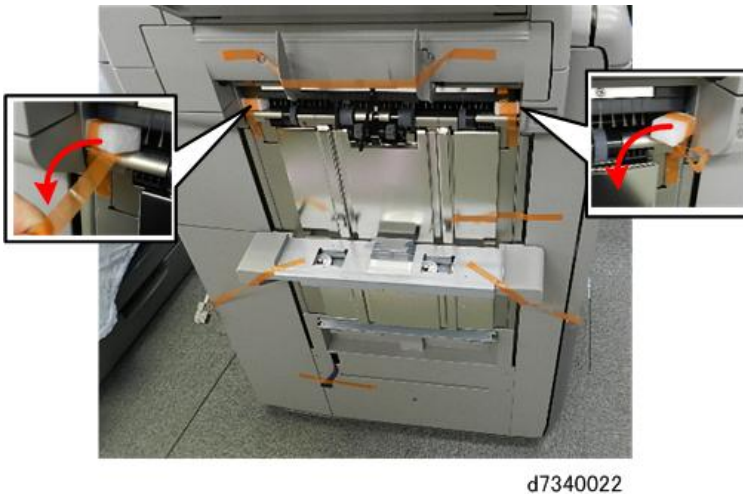
- The shipping plates prevent the staple unit from moving during transport. The plates should be kept and re-attached before the unit is transported to another location.

1. Remove all tape and packing material from the external covers.



Note

- Remove the packing material as shown below.



2. Open the front door [A], and then remove the tapes from upper part of the stacker/stapler unit [B].



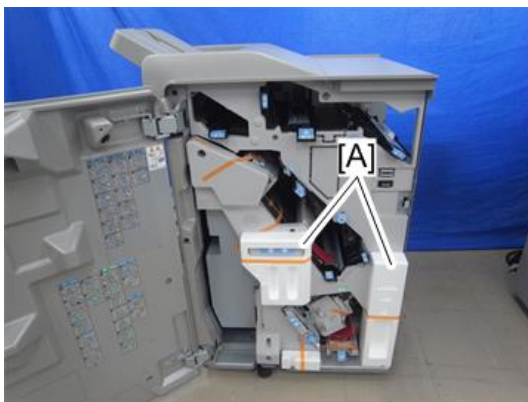
m205a2927

3. Remove the shipping plate [A] at the bottom. (🔧 *2)



m205a2928

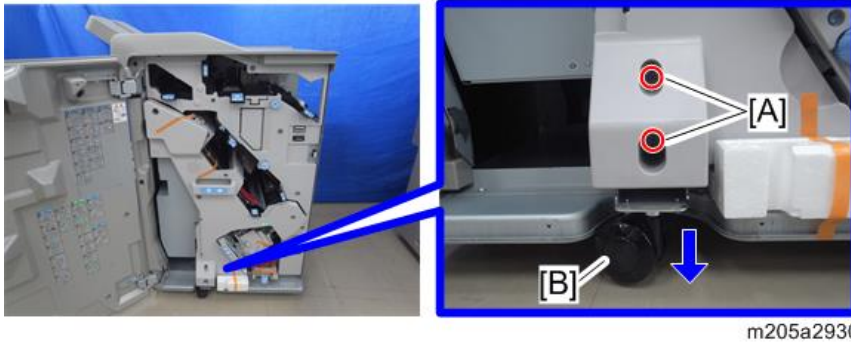
4. Remove the retainers [A].



m205a2929

5. Loosen the screws [A] of the caster cover. (🔧 *2)

6. When the caster [B] touches the floor, tighten the screws of caster table.



↓ Note

- This procedure 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, 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].



↓ Note

- When pulling out the stacker/stapler unit, remove the retainer [A].



8. Remove the retainer (shoulder screw) [A]. (🔑×1)



m205a2933

↓ Note

- If you turn on the machine with the shoulder screw is attached, SC error occurs. Remove the shoulder screw with tag and wire.

9. Remove the shipping plate [A]. (🔑×2)

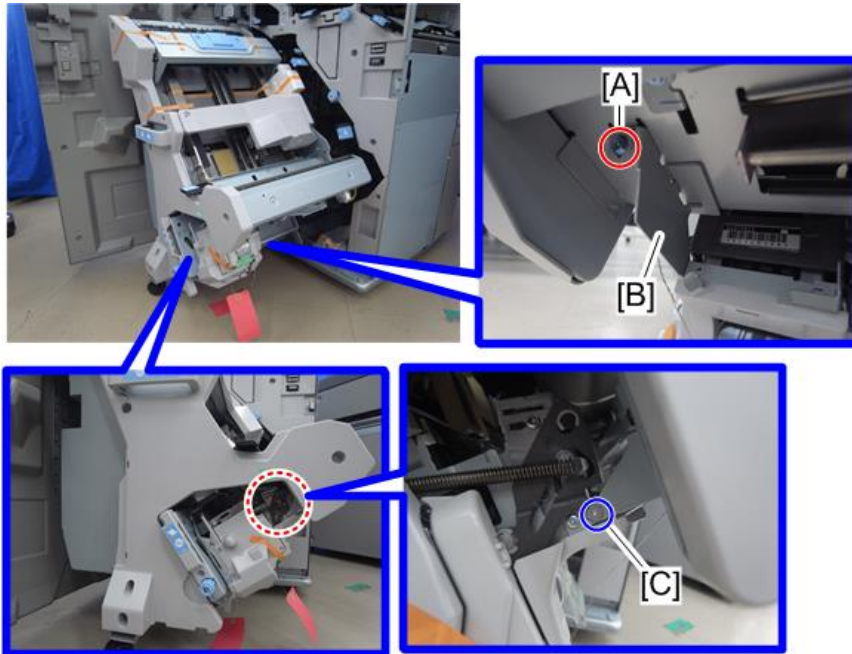


m205a2934

10. Remove the screw [A], and then remove the shipping plate [B]. (🔑×2)

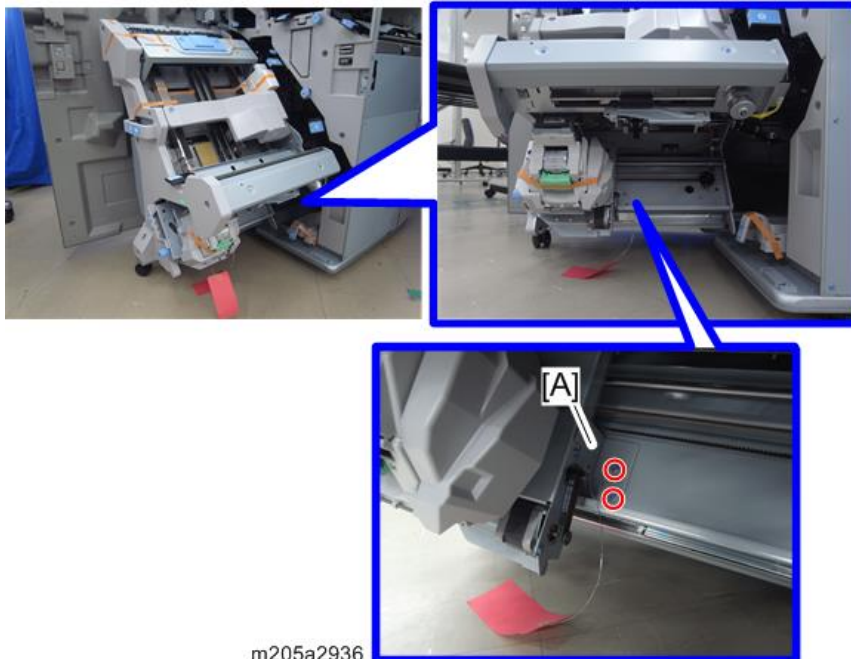
↓ Note

- Do not loose the shoulder screw [C] since it is fastened with loosening prevention inhibitor to prevent the screw from looseness. The shipping plate [B] is stuck to the screw [C], however, the shipping plate [B] can be removed without removing the screw [C].



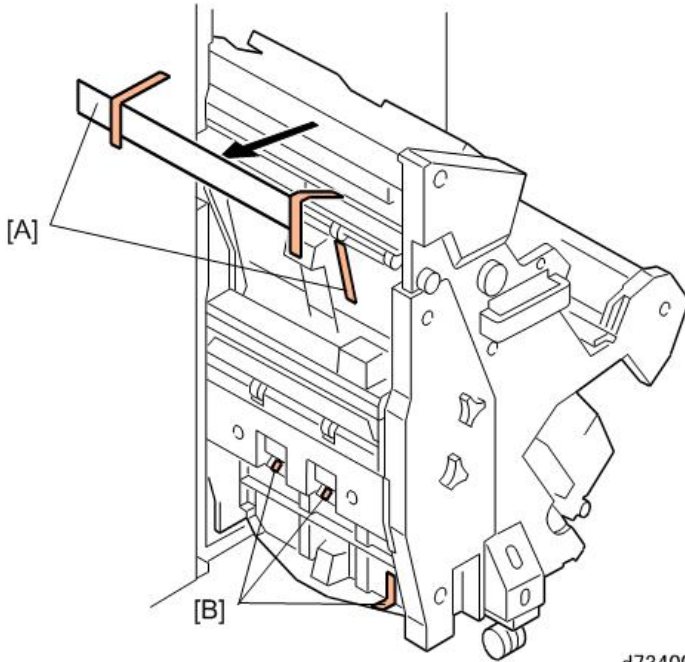
m205a2963

11. Remove the shipping plate [A]. (⌀ × 2)



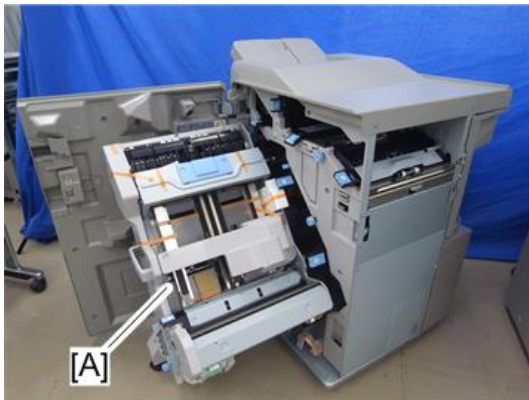
m205a2936

12. Remove the retainer [A] and tapes [B] from left side of the stacker/stapler unit.



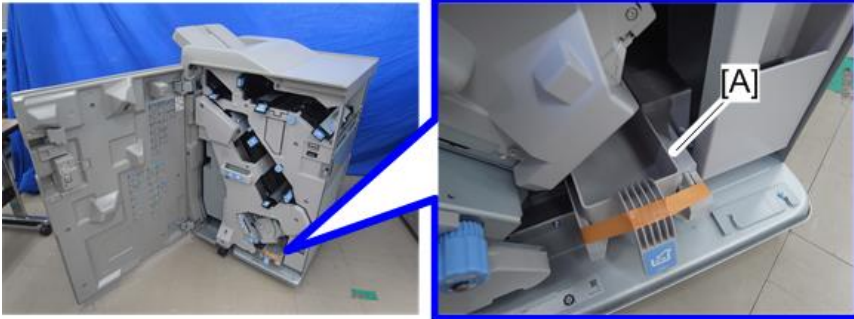
d7340006

13. Remove the tape and retainers left on stacker/stapler unit [A].



m205a2938

14. Pull back the stacker/stapler unit to the machine, and then remove the tapes from staple waste box [A].



m205a2939

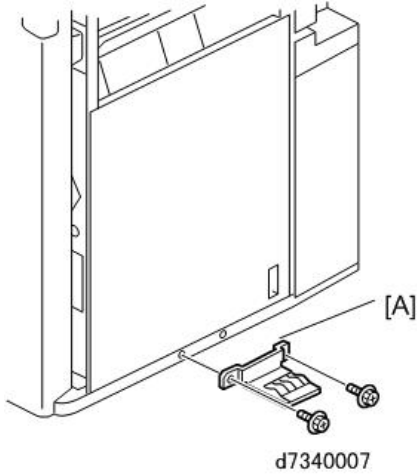
15. At the rear, remove tape from the power cord.



d7340023

Ground Plate

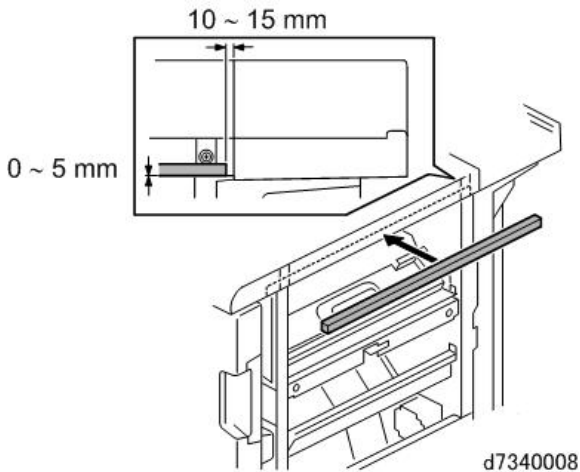
1. Attach the ground plate [A] to the bottom right edge of the finisher. (Ⓜ×2: M3×6)



Sponge Strips

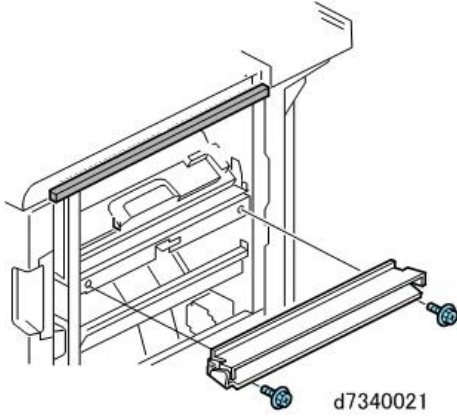
When you install the finisher to other unit, install the sponge strips.

1. Peel the tape from the sponge strip, and then attach to the top right edge of the unit.



Paper Guide

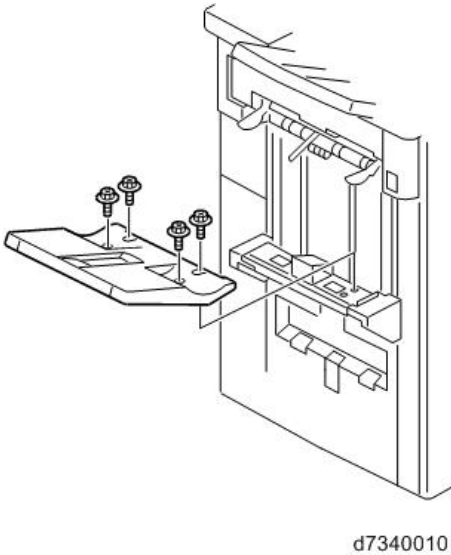
1. Attach the paper guide to the right side of the finisher. (🔩×2: M3×6)



2

Shift Tray

1. Attach the shift tray to the left side of the finisher. (🔩×4: M3×8)



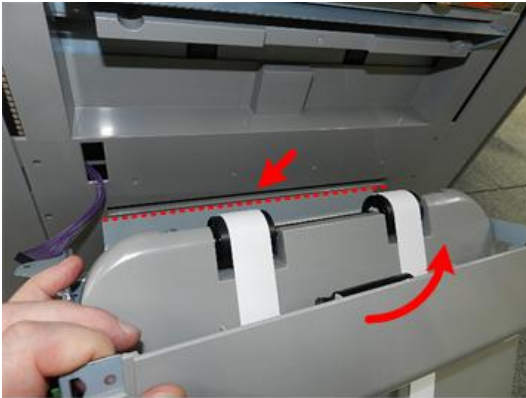
Booklet Tray (Only for D734)

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.



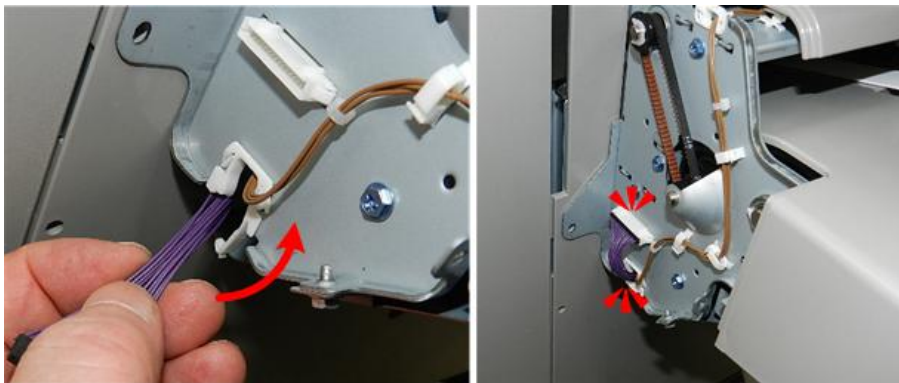
d7340026

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)



d7340028

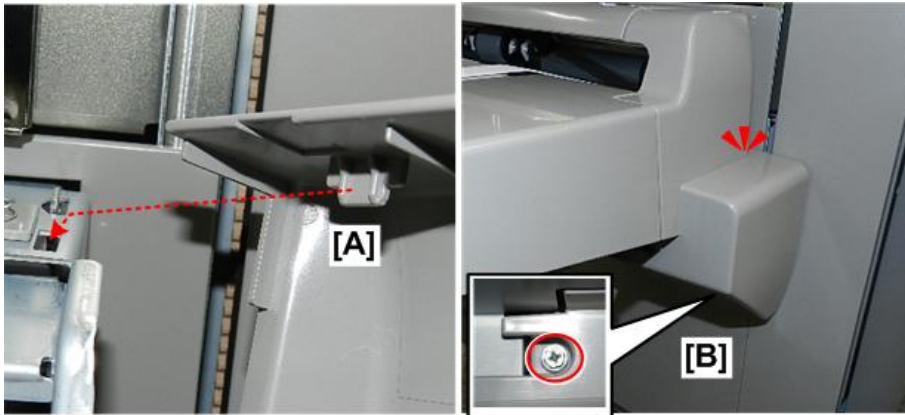
5. Fasten the bottom of the tray at the rear [A] and front [B]. (🔩x2: M4x14)



d7340029

6. Set the tab of the front tray cover [A] into the hole of the tray frame, and then install the front tray cover to booklet tray.

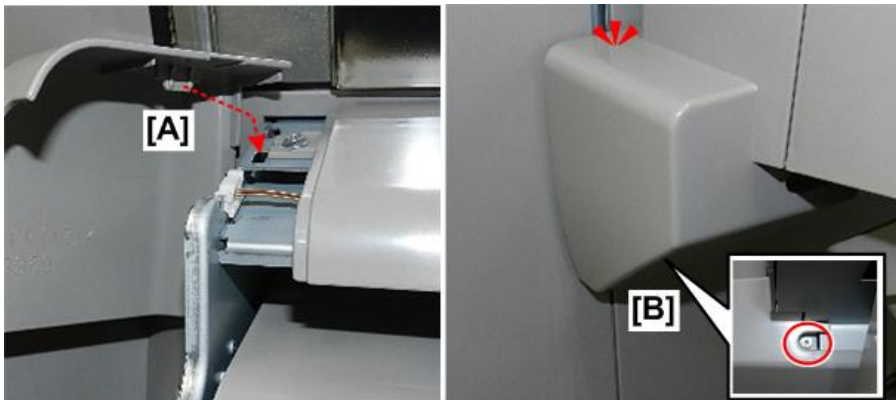
7. Fasten the front tray cover at the bottom [B]. (🔩×1: M3×8)



d7340030

8. Set the tab of the rear tray cover [A] into the hole of the tray frame, and then install the rear tray cover to booklet tray.

9. Fasten the rear tray cover at the bottom [B]. (🔩×1: M3×8)



d7340031

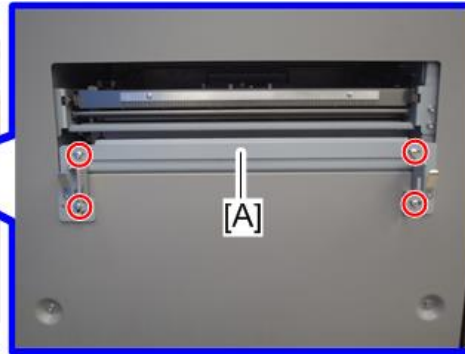
Docking

1. Install the joint bracket [A] to the left side of the upstream unit. (🔩×4: M4×14)

Example below: When installing the finisher to main machine

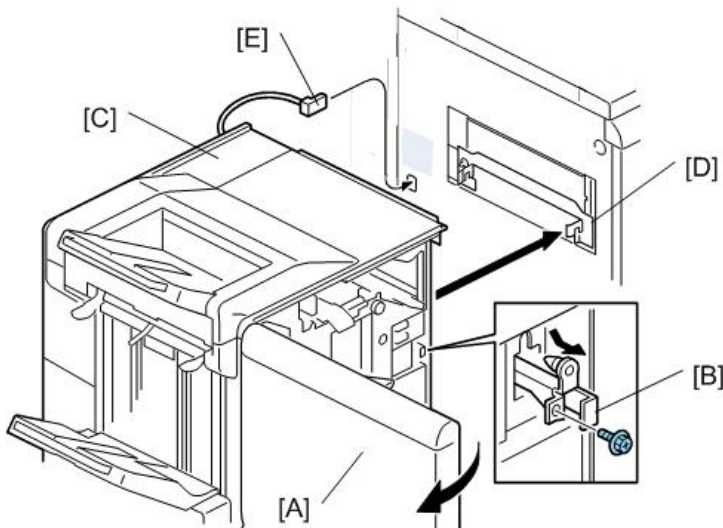


m205a2918



2

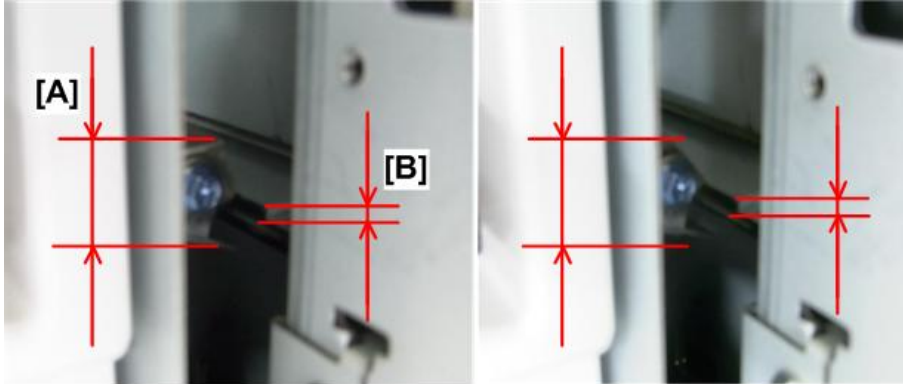
2. Open the front door [A] of the finisher.
3. At the front right corner, remove the screw of the lock bar [B], and then pull the lock bar toward you until it stops. (Ⓜ ×1: M3×6)
Keep this screw. This screw is needed in later procedure.
4. Slowly push the finisher [C] to the left side of the upstream unit.
Make sure that the lock bar [B] of the finisher is directly and squarely under the arms of the joint bracket [D].
5. Attach the interface cable [E] at rear of the finisher to the upstream unit.



d7340012

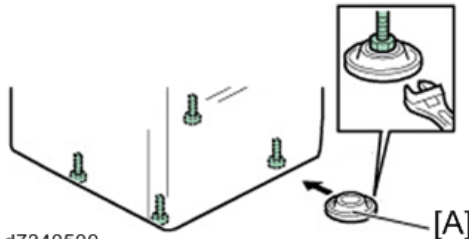
6. Confirm that the height of the finisher entrance [A] is at the same height as the upstream unit's paper exit [B].

7. Push the finisher close to the side of the upstream unit, and once again confirm that the height of the finisher entrance [A] is at the same height as the upstream unit's paper exit [B].



d7340013

8. If the finisher is not at the same height as the upstream unit, place the shoes [A] and raise or lower the feet with the accessory wrench.



d7340500

9. Push the finisher against the side of the upstream unit.
10. Push the lock bar in completely so that it slides up into the notches in the arms on both ends of the joint bracket, and then fasten the lock bar. (⚙️ x1)
Use the screw removed in Step 3.
11. Check the height of the exterior of the upstream unit and down stream unit, and then adjust the height until the line [A] of the units is leveled.

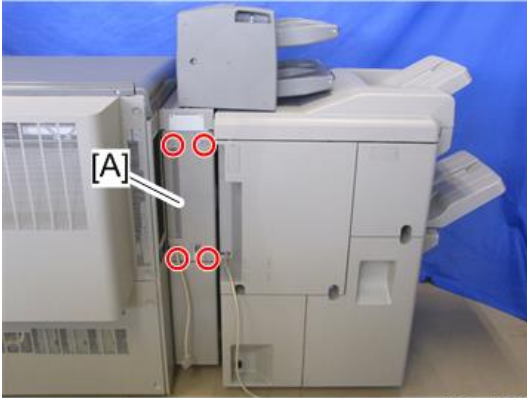


m205a2962

Docking to the Cover Interposer Tray

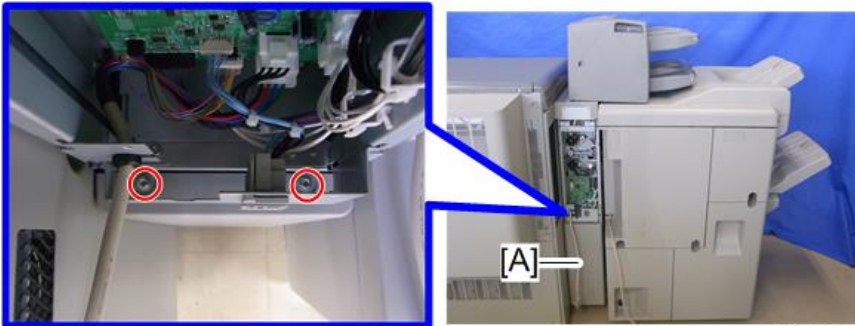
When the upstream unit of the finisher is Cover Interposer Tray CI5030, follow the procedures below to prevent inserter unit from falling dawn.

1. Remove the rear upper cover [A] of cover interposer tray. (⚙️ ×4)



m205a2968

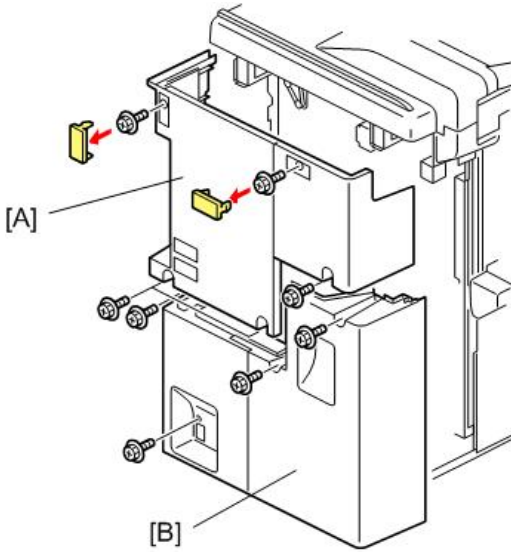
2. Remove the rear lower cover [A] of cover interposer tray. (⚙️ ×2)



m205a2969

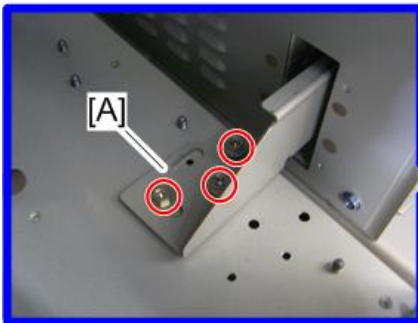
3. Remove the rear upper cover [A]. (Caps ×2, ⚙️ ×5)

4. Remove the rear lower cover [B]. (⌀ ×4)



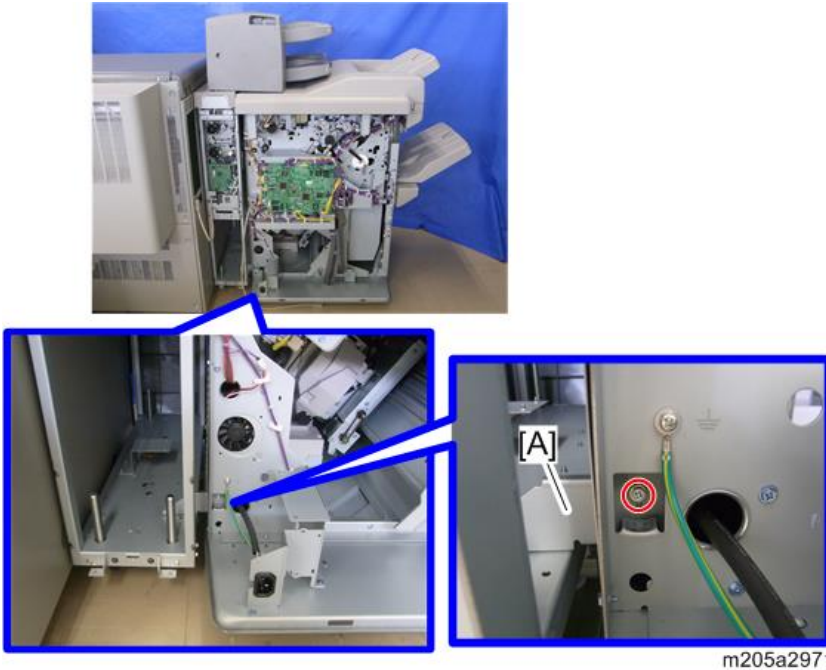
d7340014

5. Loosen the fixing screws of bracket [A] installed at rear side of cover interposer tray. (⌀ ×3)

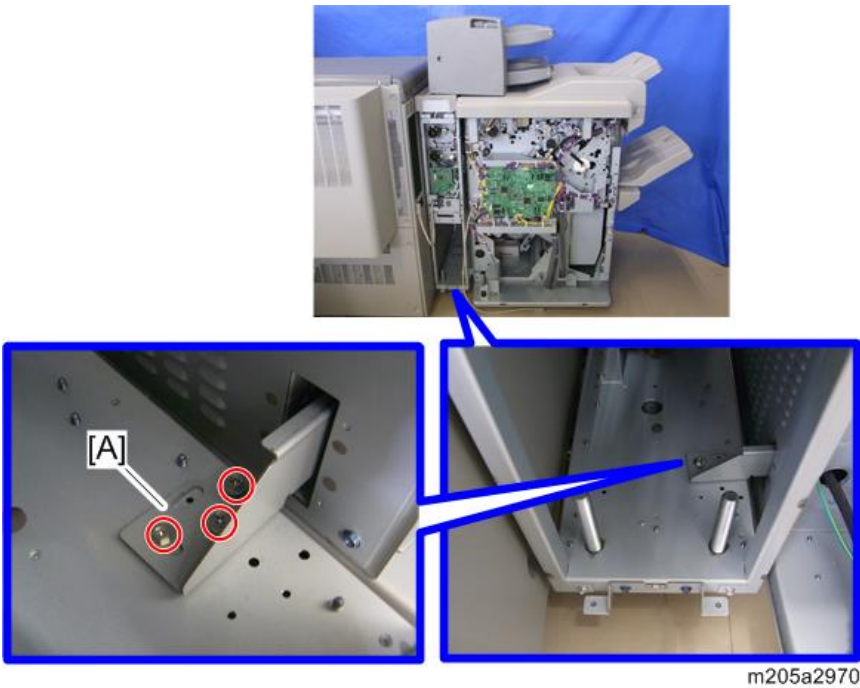


m205a2970

6. Secure the bracket [A] at rear side of the finisher. (⚙️ ×1)



7. Fasten the fixing screws of the bracket [A] at rear side of the cover interposer tray. (⚙️ ×3)



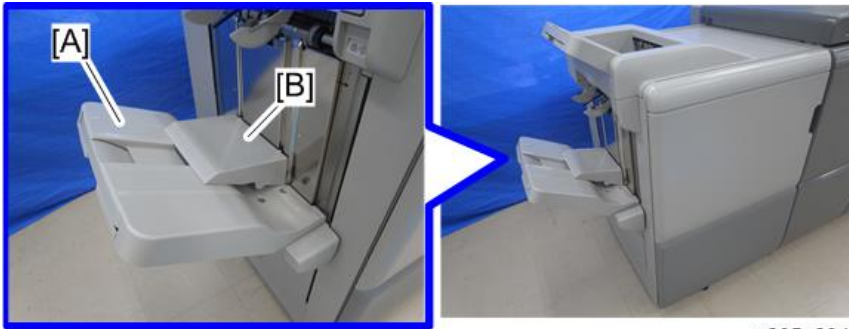
8. Reattach the rear upper cover and rear lower cover of the main machine.

9. Reattach the rear upper cover and rear lower cover of the cover interposer tray.

Z-fold Support Tray Installation

1. If the 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.



m205a2940

Finishing the Installation

1. Connect the power cord to finisher.

★ 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.
2. Load some DLT or A3 paper in the paper tray of the main machine, and make several prints.
 3. Check paper skew and side-to-side registration and correct if necessary. (page 550 "Skew and Side-to-Side Registration for Peripherals")

Moving the Finisher

Always observe the following points when moving the finisher.

★ Important

- To prevent damage to the connection brackets, never attempt to move or change the position of the system with the LCT, the finisher (or any other downstream peripheral) connected.

1. Turn the system off.

- Press the main power switch on the left corner of the main machine to turn the machine off.

- The power-down alert message appears on the operation panel. Wait for the operation panel to go off.
- Switch off the AC power switch.

2. Unplug the main machine from the power source.

- Grip the head of the plug firmly, and then pull it out.
- Never pull on the cord.

3. Disconnect the finisher I/F cord from the upstream unit (or main machine).

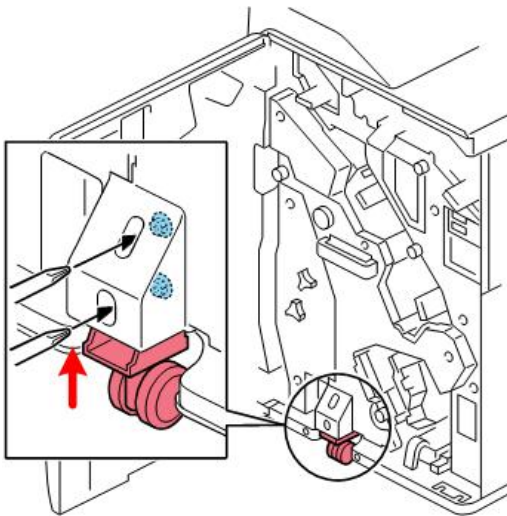
4. Make sure that the front door of the finisher is closed.

5. Loosen the screws of the caster cover. (⊙ ×2)

6. Push the caster up until it stops and is not touching the floor.

7. Tighten the caster cover screws.

- This prevents the caster from snagging on a carpet or door jam when the finisher is pushed along the floor.
- After the finisher has been moved to its new location, lower the caster again and tighten the screws.



d7340172

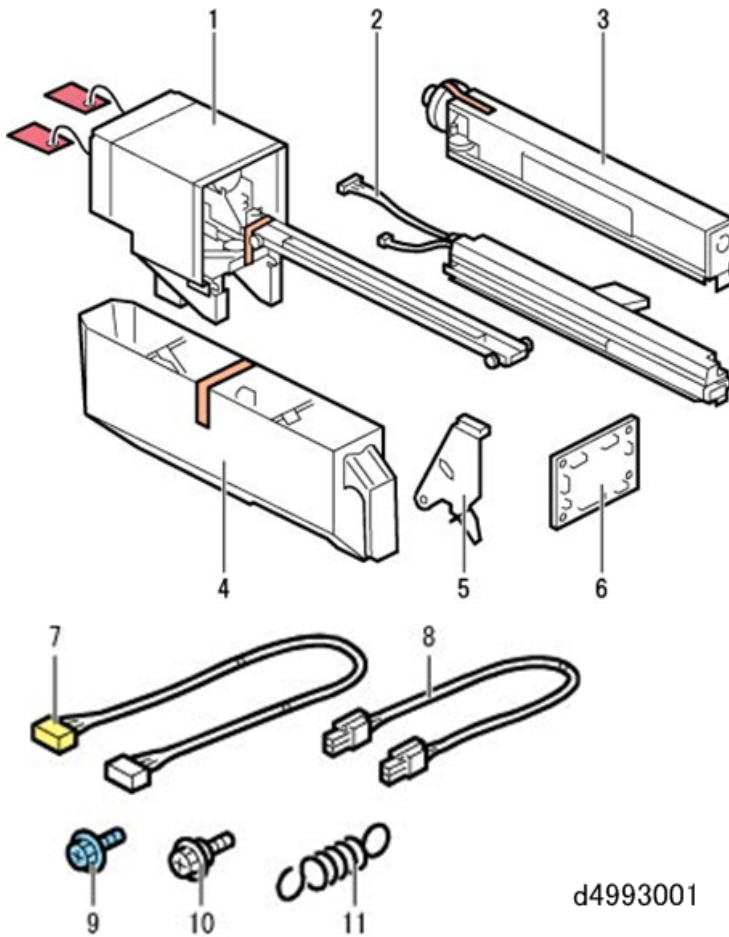
Punch Unit PU5020 (D449)

Accessories

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

2

No.	Description	Q'ty
1	Punch Drive Unit	1
2	Punch Registration Unit	1
3	Punch Unit	1
4	Punch-out Hopper	1
5	Sensor Arm and Sensor	1
6	Punch Control Board	1
7	Harness: Long	1
8	Harness: Board Relay	1
9	Screws M3×6	9
10	Step Screw	1
11	Spring	1

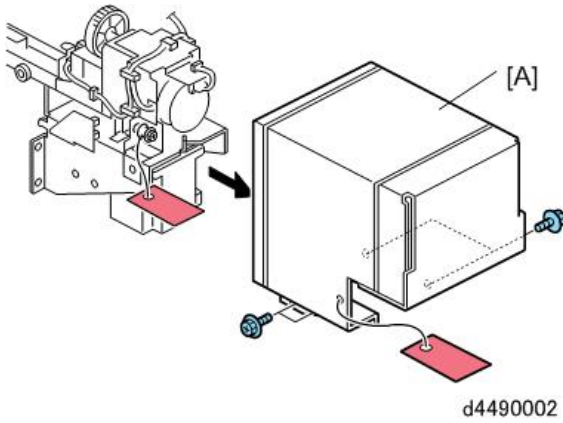


Installation

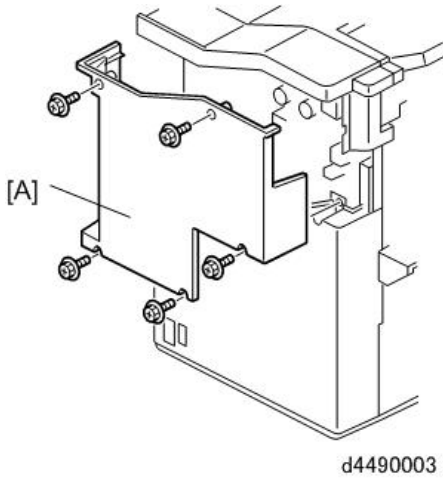
⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

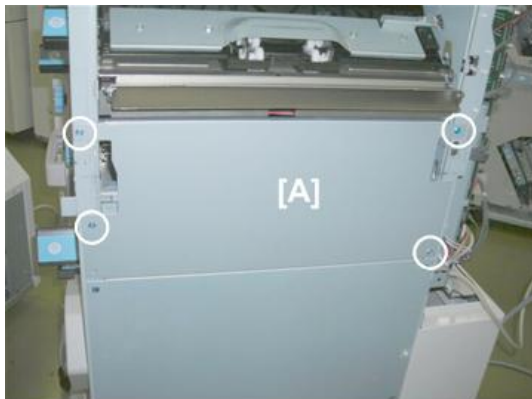
1. Remove the motor protector plate [A]. (⌀ ×4)



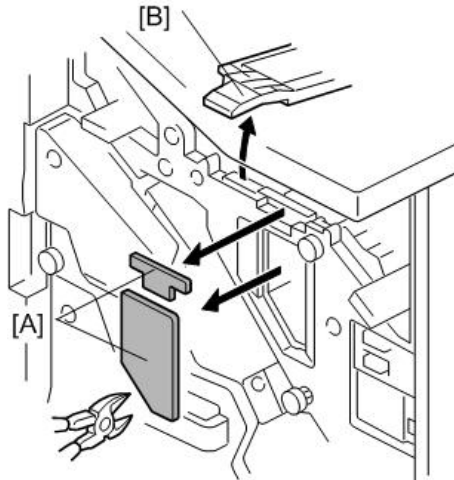
2. Remove the upper rear cover [A]. (⌀ ×5)



3. Remove the right upper panel [A]. (⌀ ×4)

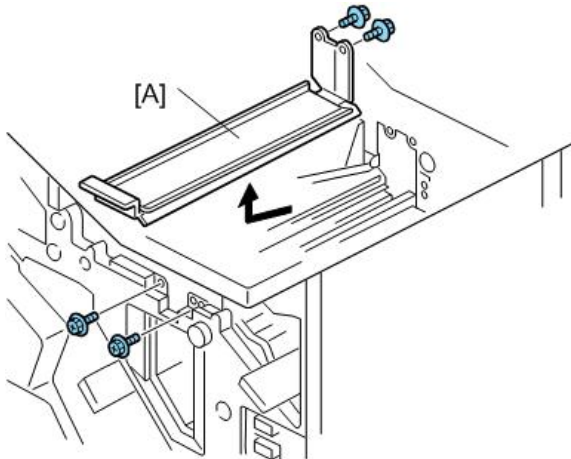


4. Use a pair of nippers to remove knockouts [A].
5. Raise and open lever "RB3" [B].



d4490005

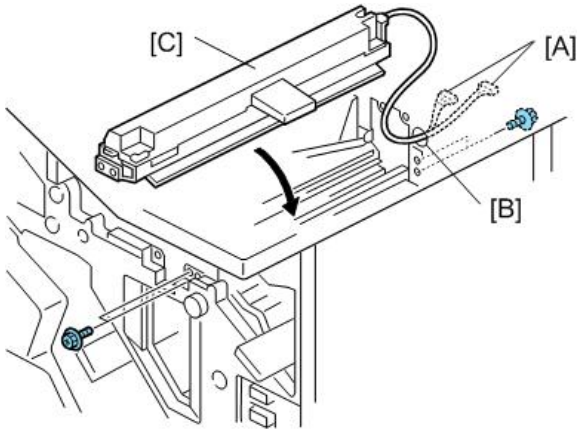
6. Remove plate [A] and discard it. (⊙×4)



d4490006

7. Insert the harness connectors [A] through hole [B].
8. Make sure the harness connectors are through the hole completely and visible at the rear of the machine.

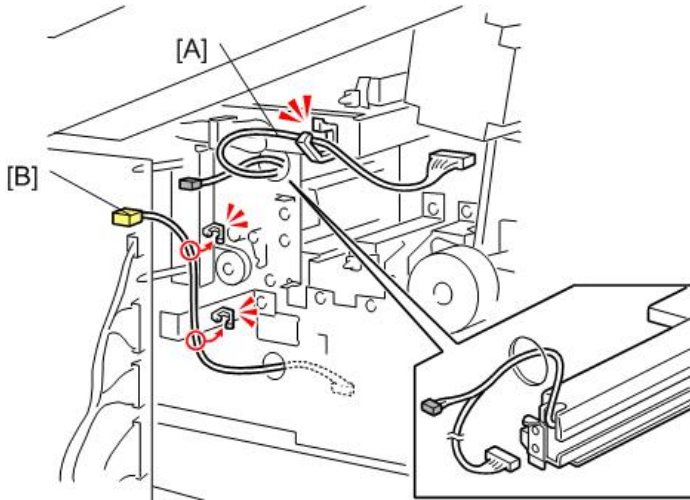
9. Set and fasten the punch registration unit [C]. (⌀×4: 3×6, 2 screws each at front and back)



d4490007

10. Clamp harness [A]. (⌀×1)

11. Clamp harness [B]. (⌀×2)

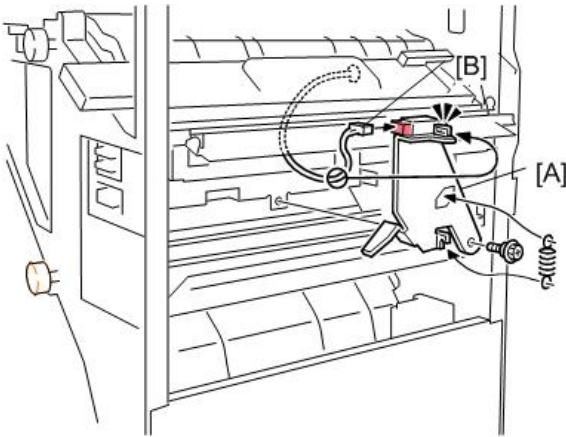


d4490008

12. Attach sensor arm [A]. (⌀×1, ⌀×1)

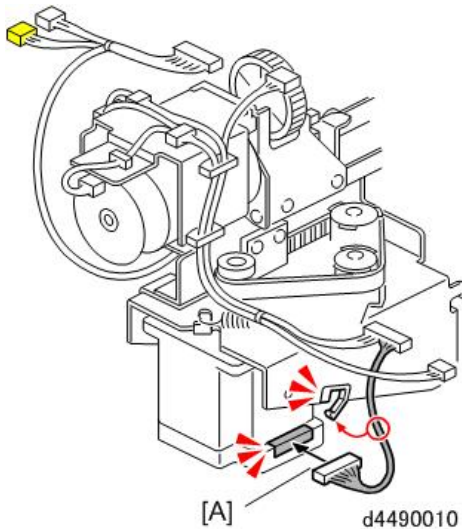
13. Make sure the sensor arm swings freely on the step screw and spring.

14. Attach harness [B] to the sensor on top of the arm.



d4490009

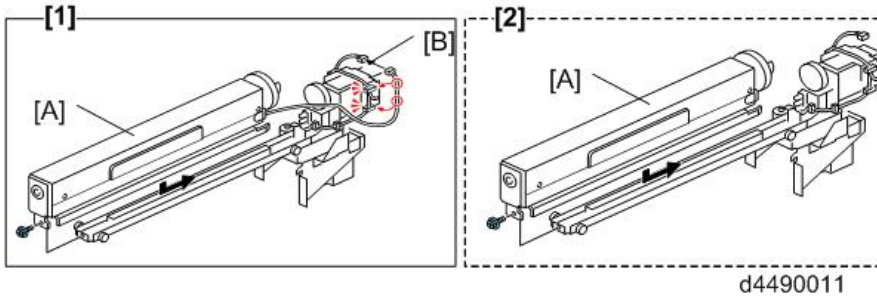
15. On the punch unit, connect harness [A]. (📦 ×1, 🔌 ×1)



d4490010

16. Attach the punch mechanism [A] to the rails of the punch unit. (🔩 ×1)

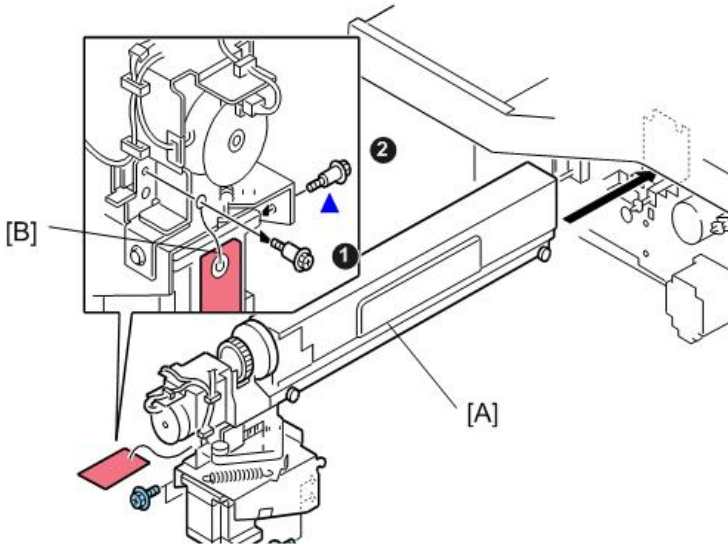
- If you are installing the punch unit for Europe [1], connect the harness [B]. (📦 ×1, 🔌 ×2)
- The punch unit for North America [2] has no punch switching motor, so this harness is not required.



17. At the front, insert the punch unit [A] into the finisher and fasten it. (Ⓜ ×4: 3×6)
18. Remove the shoulder screw with red tag [B], and detach the tag and wire.
19. After removing the screw from hole ①, re-attach it at hole ②.

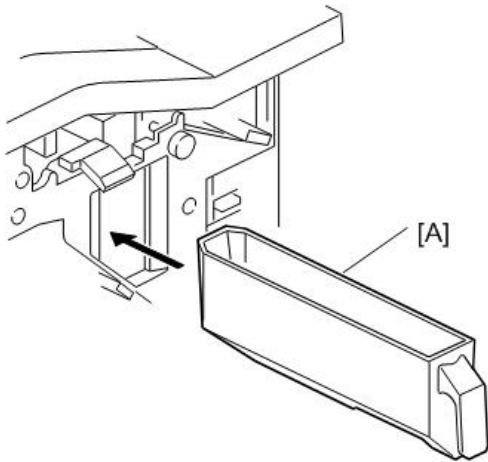
★ Important

- 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.



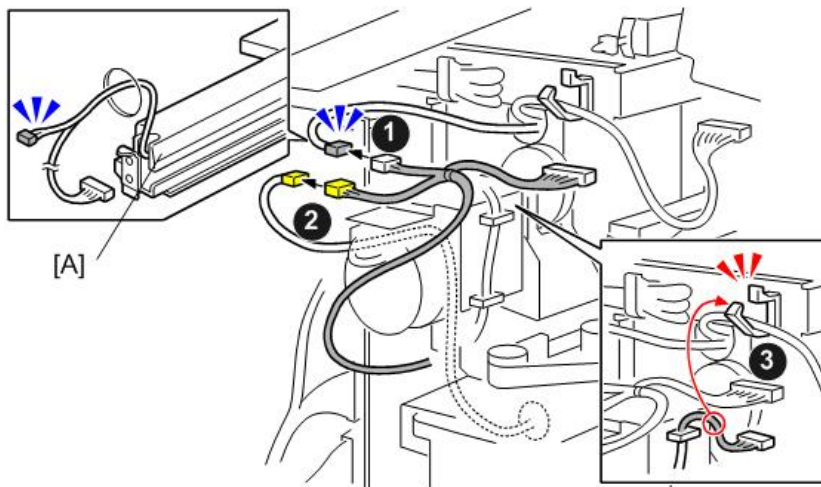
d4490012

20. At the front, slide the punch-out hopper [A] into the finisher.



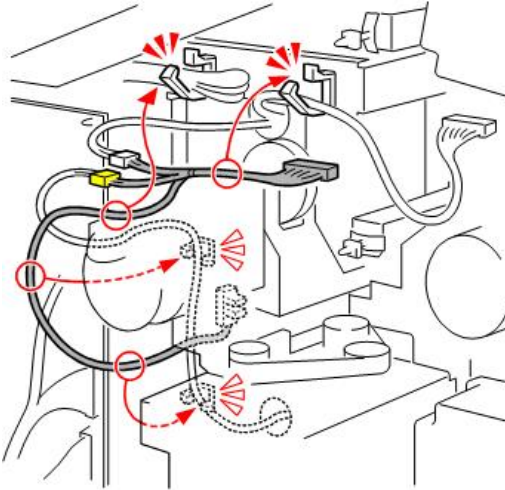
d4490013

21. Route the harnesses from the CIS unit [A] through the hole.
22. Connect the harnesses at ① and ②. (🔌 x2)
23. If you are installing the punch unit for Scandinavia, fasten the extra connector (not used) at ③. (🔌 x1)



d4490014

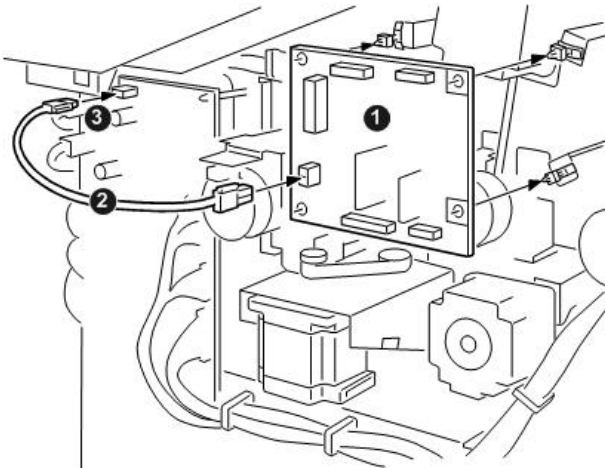
24. Finish clamping the harnesses as shown below.



d4490015

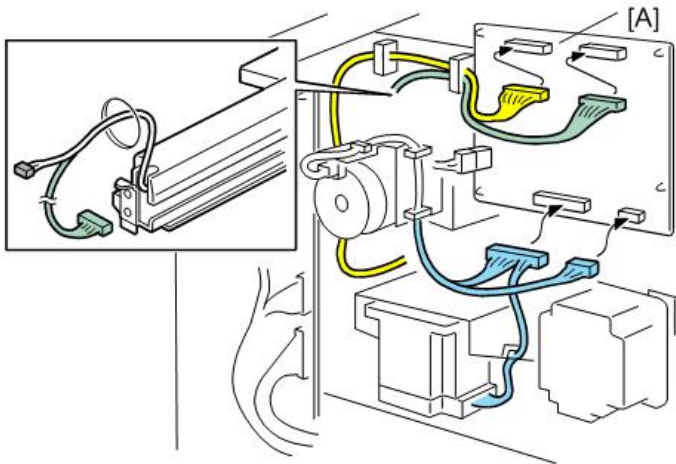
25. Install the punch control board ①. (rivet ×4)

26. Connect the punch relay harness ② to the punch control board and punch main control board ③.



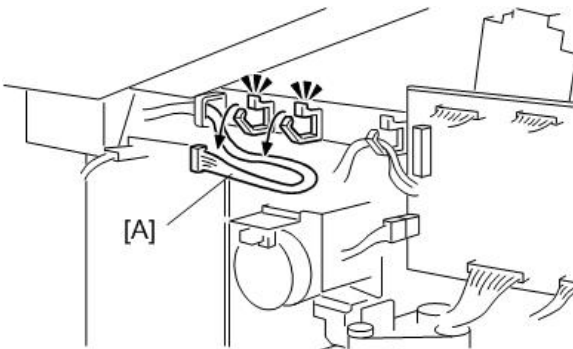
d4490016

27. Fasten the connectors to the punch unit PCB [A]. (🔩×4)



d4490017

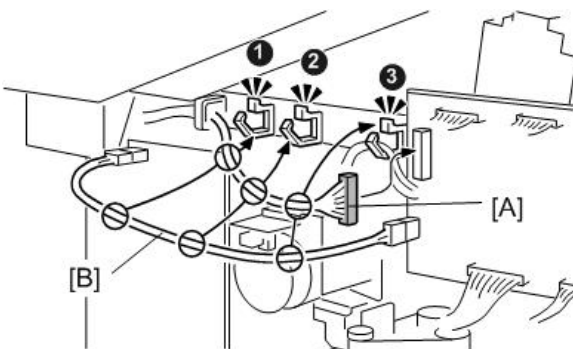
28. Release harness [A] from the frame. (🔩×2)



d4490018

29. Connect harness [A] to the punch control board. (🔩×1)

30. Gather harness [A] and the board relay harness [B] and clamp them. (🔩×3)



d4490019

High Capacity Stacker SK5030 (D776)

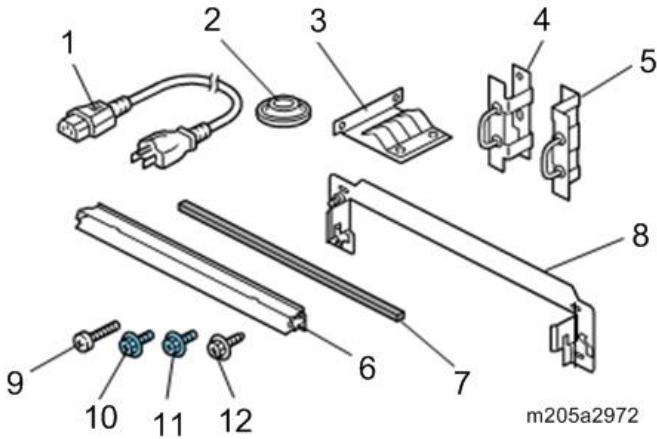
Accessories

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

High Capacity Stacker SK5030 (D776)

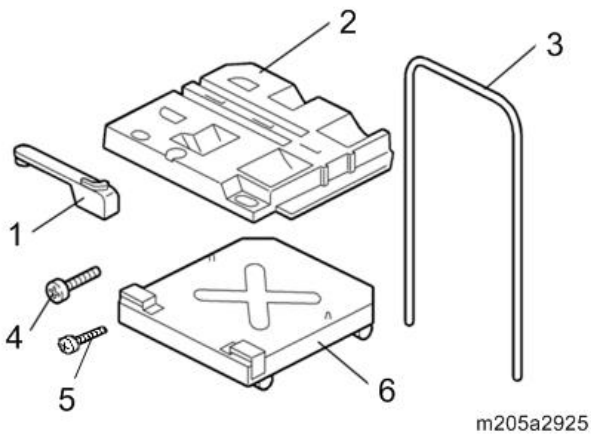
No.	Description	Q'ty
1	Power Cord* 1	1
2	Leveling Shoes	4
3	Ground Plate	1
4	Lock Hasp – Left	1
5	Lock Hasp – Right	1
6	Paper Guide	1
7	Sponge Strip	1
8	Joint Bracket	1
9	Screw M4×14	4
10	Screw M3×6	4
11	Screw M4×6	2
12	Screw M4×8	2

* 1 In China, do not use this power cord provided as an accessory. Contact your supervisor and use the power cord specified for use in China.



Roll-Away Cart Type 5010 (D456-17)

No.	Description	Q'ty
1	Paper Press Lever	1
2	Paper Tray	1
3	Tray Cart Handle	1
4	Screws M10×25	2
5	Screw M4×14	2
6	Tray Cart Base	1



Installation

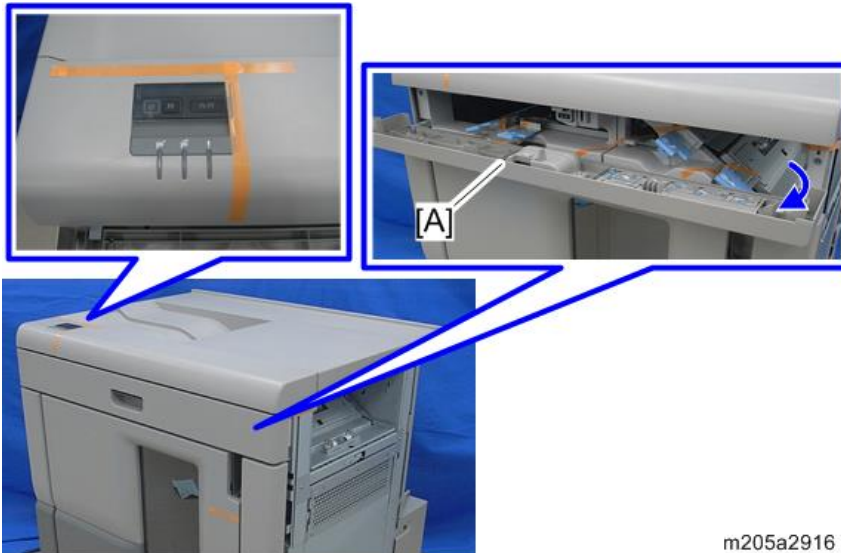
⚠ WARNING

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the machine are turned off and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

⚠ CAUTION

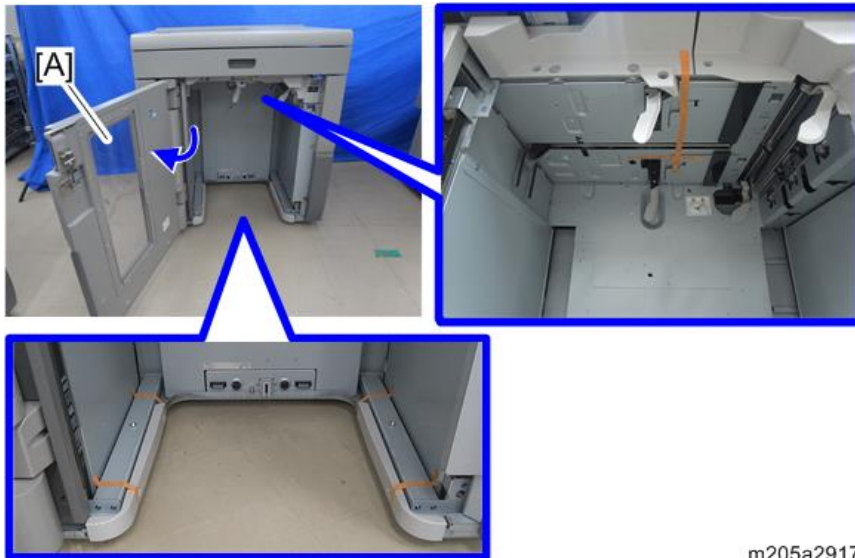
- Make sure that no cables are sticking out on the floor inside the high capacity stacker.
- Install the high capacity stacker on a flat and level surface. This is to prevent problems during lifting and lowering operation of the paper tray.
- Do not move the high capacity stacker while the tray cart is installed inside the high capacity stacker.

1. Remove all tapes from the external covers.
2. Open the front upper cover [A], and then remove the tapes.



m205a2916

3. Open the front door [A], and then remove the tapes.



m205a2917

4. Install the joint bracket [A] to the left side of the upstream unit. (Ⓜ×4: M4×14)

↓ Note

- When installing the high capacity stacker right next to the main machine, use the screws (M4x8) provided with the main machine.

Example below: When installing the high capacity stacker to the main machine

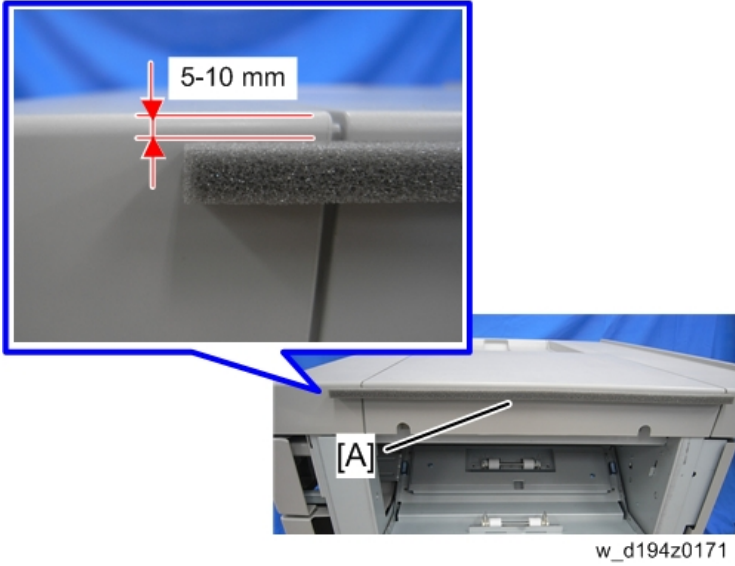


m205a2918

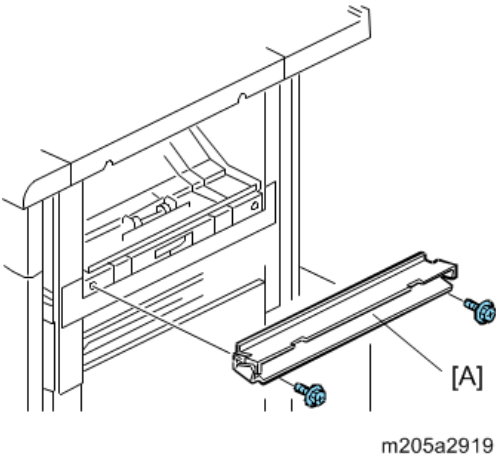
5. Remove the tape from the sponge strip [A] and attach the strip to the top right edge of the high capacity stacker.

↓ Note

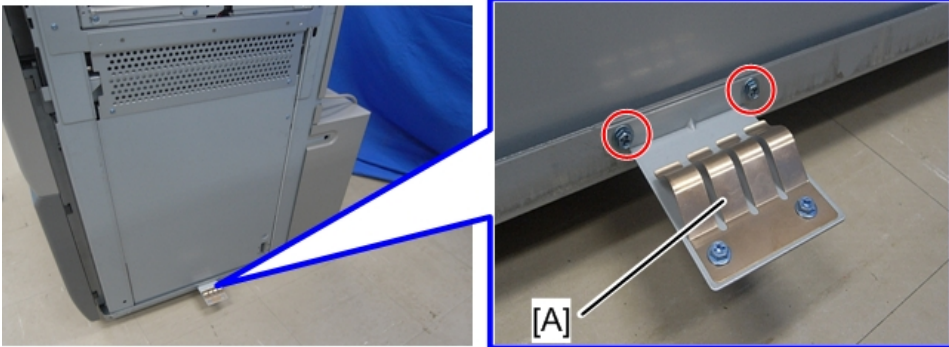
- The sponge strip closes the gap between the high capacity stacker and the upstream unit to prevent paper or other objects from falling between the units.



6. Install the paper guide [A] to the right side of the high capacity stacker. (🔩x2: M3x6)

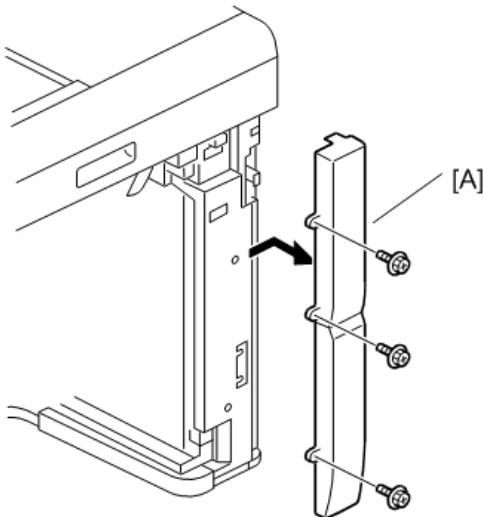


7. Attach the ground plate [A] to the bottom right edge of the high capacity stacker. (⚙️×2: M4×6)



d776z0003

8. Open the front door of the high capacity stacker.
9. Remove the front right cover [A]. (⚙️×3)

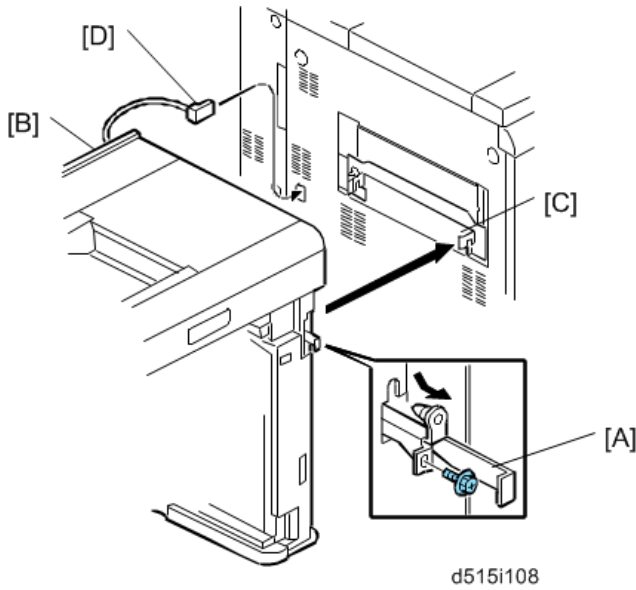


d515i107

10. At the front right corner, remove the screw of the lock bar [A], and then pull the lock bar toward you until it stops. (⚙️×1)
- Keep this screw. This screw is needed in later procedure.
11. Slowly push the high capacity stacker [B] against the left side of the upstream unit so that the lock bar is directly and squarely under the arms of the joint bracket [C].
12. Push the lock bar [A] in completely so that it slides up into the notches in the arms on both ends of the joint bracket, and then secure the lock lever. (⚙️×1)

Use the screw removed in Step 10.

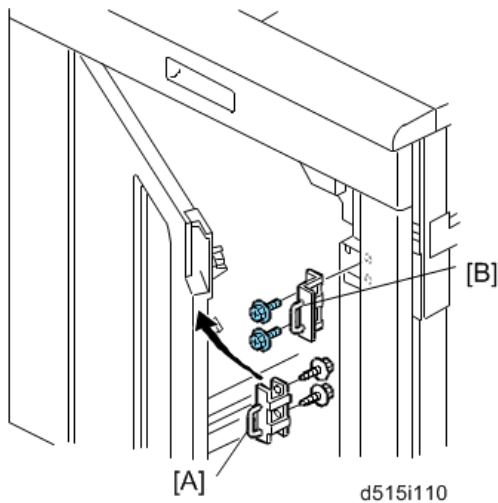
13. Attach the interface cable [D] at rear of the high capacity stacker to the upstream unit.



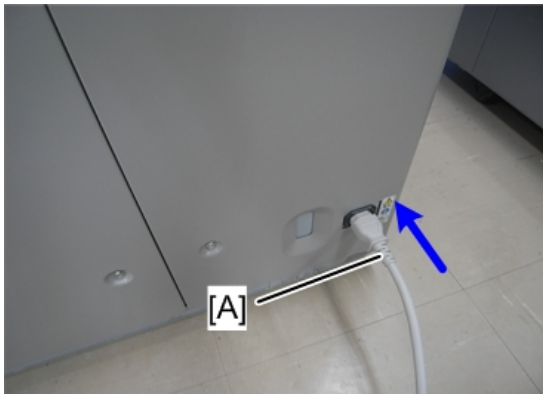
14. Reattach the front right cover. (⚙️ ×3)

15. Fasten left lock hasp [A] to the door, and right lock hasp [B] to the door frame. (⚙️ ×4)

- Use M4x8 screw for [A] and M3x6 screw for [B].



16. Connect the power cord [A] to the right rear lower side of the high capacity stacker.

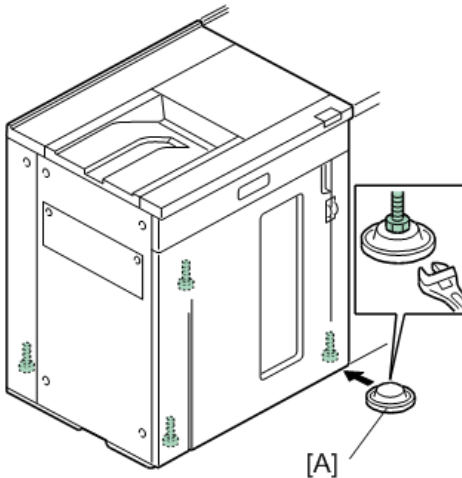


d194z0172

★ Important

- In China, do not use this power cord provided as an accessory. Contact your supervisor and use the power cord specified for use in China.

17. Set the four leveling shoes [A], and then adjust the level.



d447i113

↓ Note

- Place a level on the top of the high capacity stacker and then adjust the height so that the unit is level left-to-right and front-to-back with leveling shoes.

Finishing the Installation

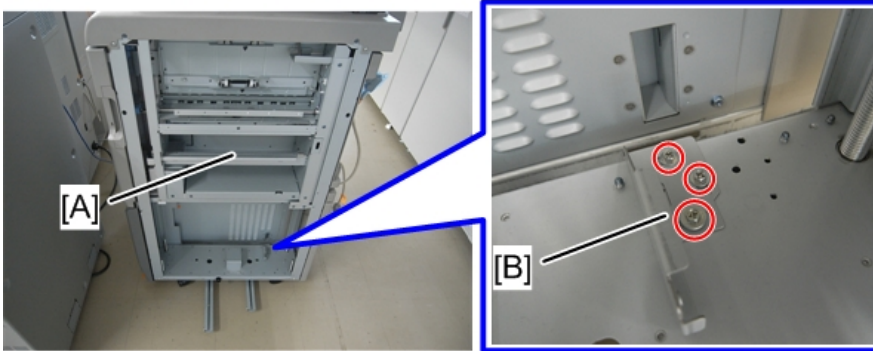
1. Load some DLT or A3 paper in the paper tray of the main machine, and make several prints.

2. Check paper skew and side-to-side registration and correct if necessary. (page 550 "Skew and Side-to-Side Registration for Peripherals")

Docking to the Cover Interposer Tray

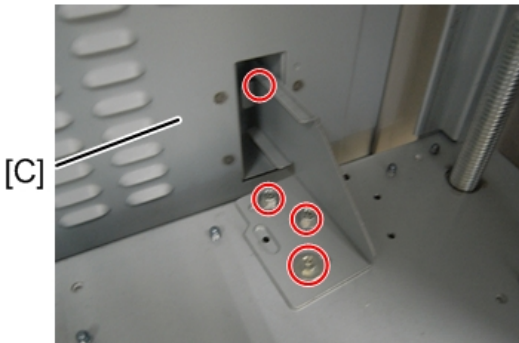
When the upstream unit of the finisher is Cover Interposer Tray CI5030, re-attach the base bracket [B] of the cover interposer tray [A] in the opposite direction and then connect it to the high capacity stacker [C].

2



d194z0073

Remove the rear lower cover of the high capacity stacker to tighten screw.



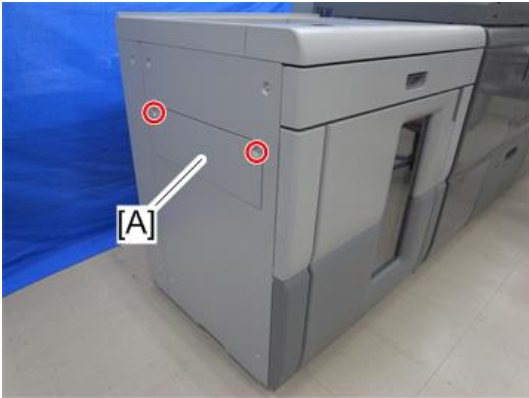
d194z0074

Docking the downstream unit

★ Important

- Do this procedure only if another peripheral device will be installed downstream.

1. Remove the left exit cover [A] from the left side of the high capacity stacker. (⚙️ ×2)



m205a2920

2. Install the joint bracket of the downstream unit to the left side of the high capacity stacker, and then install the downstream unit.

Use the screw holes circled below.



m205a2921

3. Connect the interface cable of the downstream unit [A] to the high capacity stacker [B].

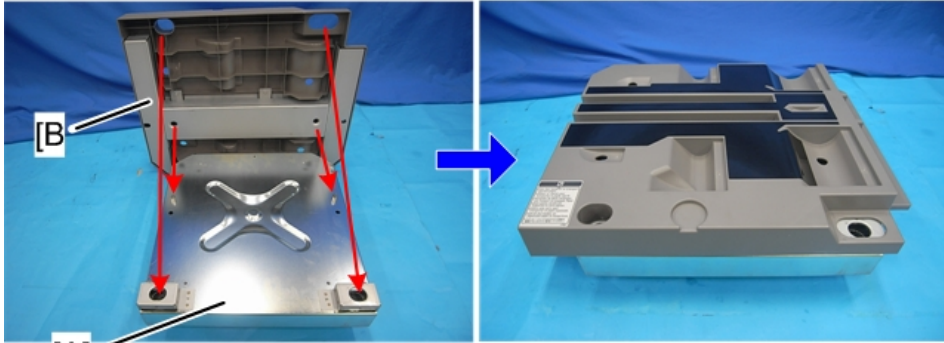


m205a2922

Roll-Away Cart (D456-17)

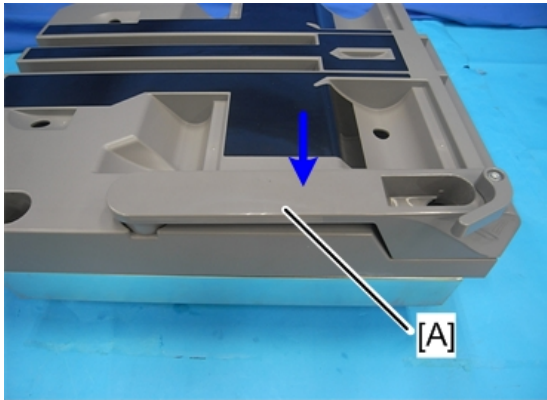
1. Set the paper tray [B] on the tray cart base [A].

Align the two studs on the tray cart base with the holes on the reverse side of paper tray.



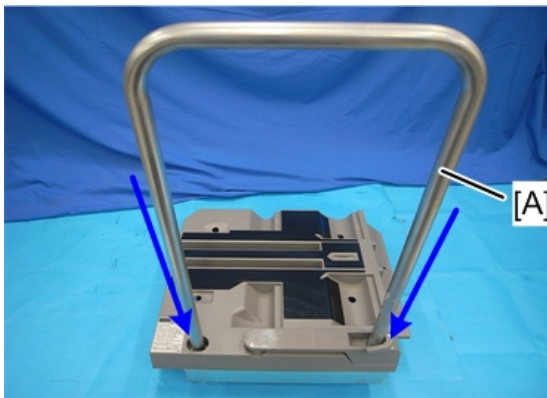
d194z0173

2. Set the paper press lever [A] into the recessed cut-out of the paper tray.



d194z0174

3. Insert the ends of the tray cart handle [A] into the handle holes.



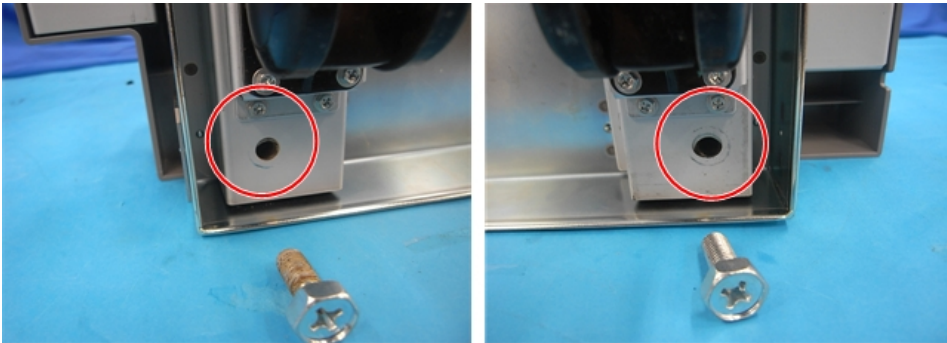
d194z0175

4. Lay the assembly down with the handles on the floor.



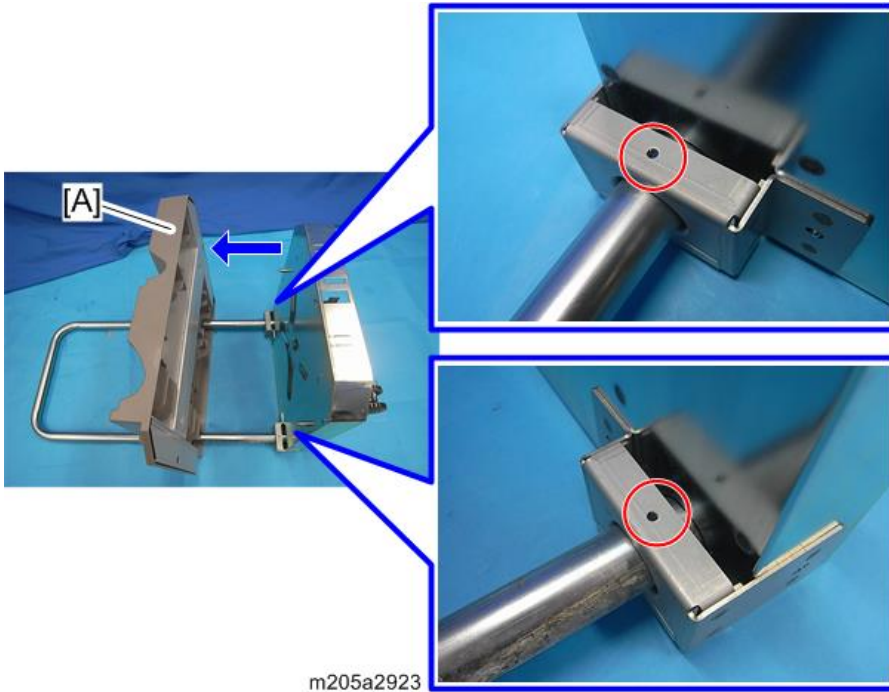
d194z0176

5. Fasten the end of each handle. (🔩*2: M10×25)

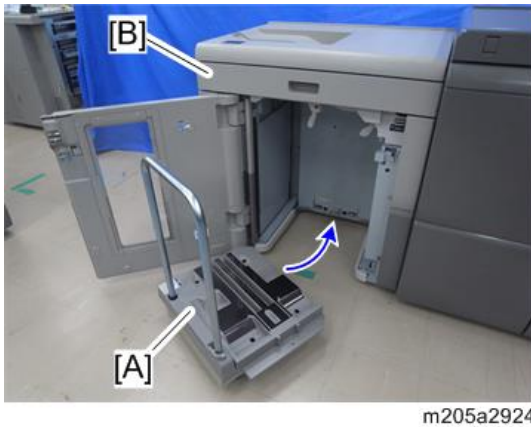


d194z0177

6. Raise the paper tray [A], and then tighten the screws on the handle bases. (🔑×2: M4×14)



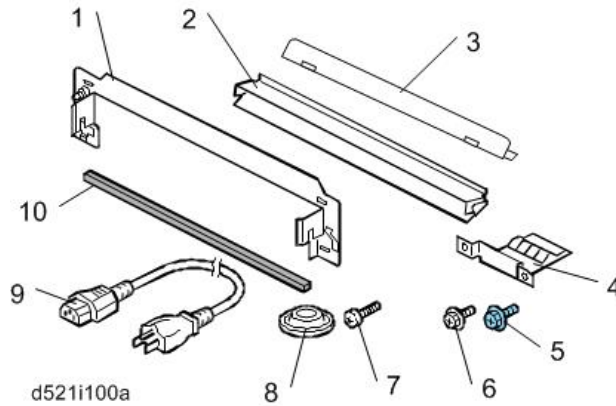
7. Install the tray cart [A] into the high capacity stacker [B].



Multi-Folding Unit FD5020 (D740)

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	Paper Guide	1
3	Mylar (for downstream unit)	1
4	Ground Plate	1
5	Screws M3×6	2
6	Screws M3×6	2
7	Screws M4×14	4
8	Leveling Shoes	5
9	Power Cord* ¹	1
10	Sponge Strip	1

*¹: 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.

Installation

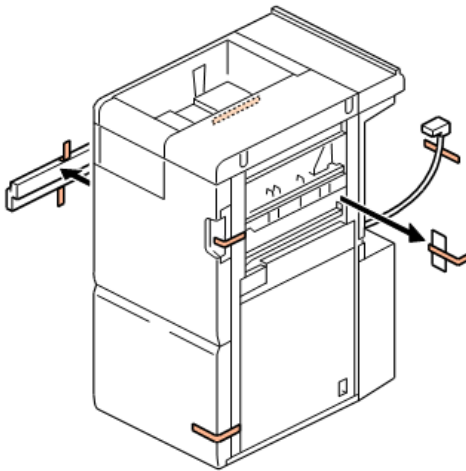
CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

2

Tapes

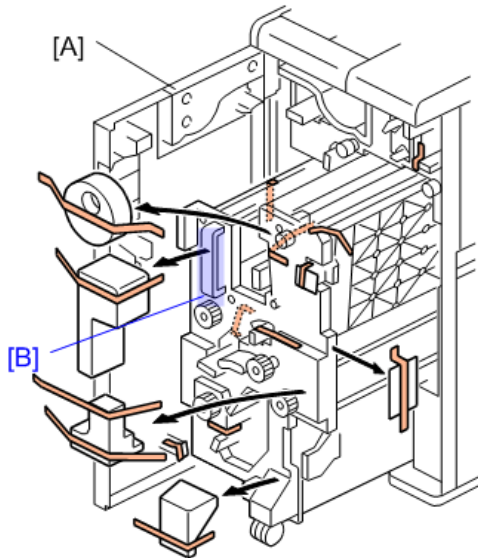
1. Remove all tape and packing material from the front, left, rear, and right sides.



d521i108

2. Open the front door [A].
3. Grip handle [B] and slowly pull the fold unit out of the machine.

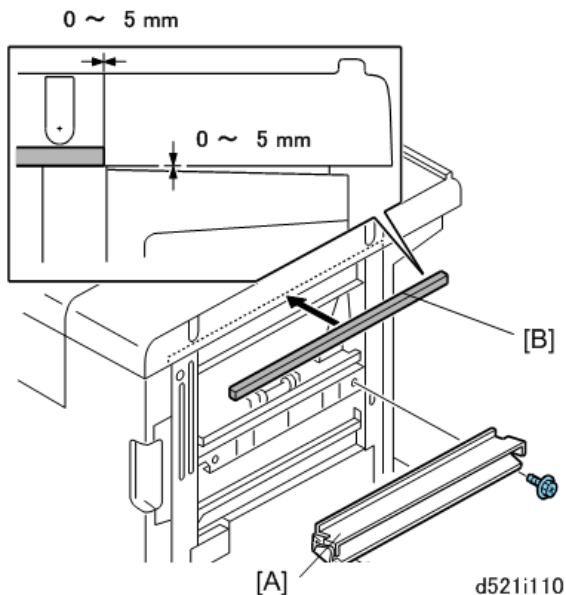
4. Remove all tape and packing material from inside.



d521i102

Paper Guide, Sponge Strips

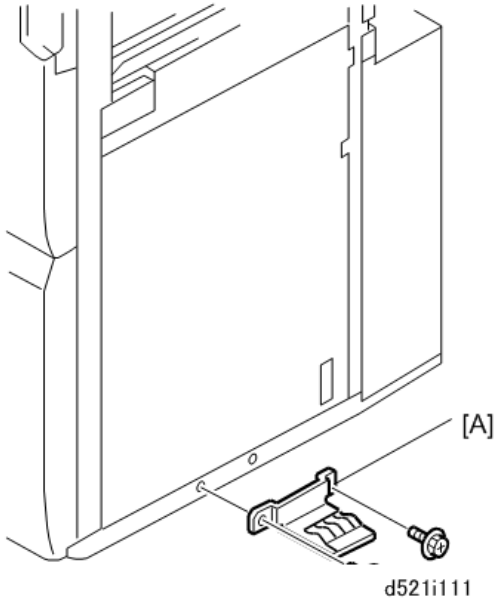
1. Attach the paper guide [A]. (⌀ \times 2: M3 \times 6)
2. Peel the tape from the sponge strip [B] and attach the strip to the top right edge of the unit.



d521i110

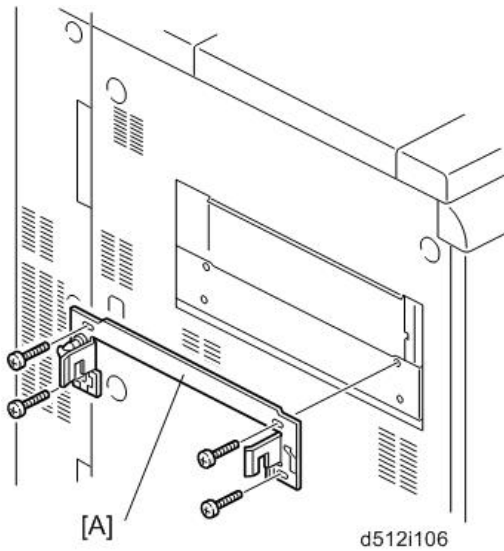
Ground Plate

1. Attach the ground plate [A] to the lower right edge of the unit. (⚙️ ×2: 3×6)



Docking

1. Fasten the joint bracket [A] to the left side of the upstream unit. (⚙️ ×4: 4×14)



2. Open the front door [A].

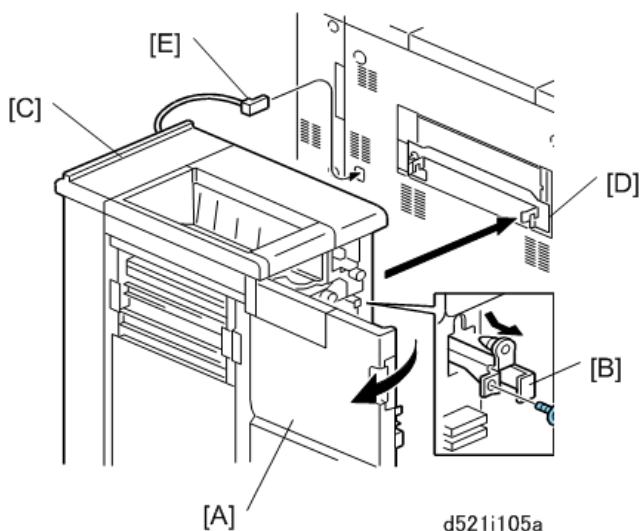
3. At the front right corner, remove the screw of the lock bar [B]. (🔩×1: M3×6) Keep this screw.
4. Pull out the lock bar.
5. Slowly push the unit [C] against the left side of the upstream unit (or main machine) so that the lock bar is directly and squarely under the arms of the joint bracket.
6. Push in the lock bar so it slides up into the notches in the arms on both ends of the joint bracket [D].
7. Fasten the lock bar by re-attaching the screw removed in Step 3. (🔩×1)
8. Connect the I/F cable [E] to the upstream unit (or main machine).

↓ **Note**

- If you are docking to the main machine, you must first remove the plastic cap at the I/F cable connection point.

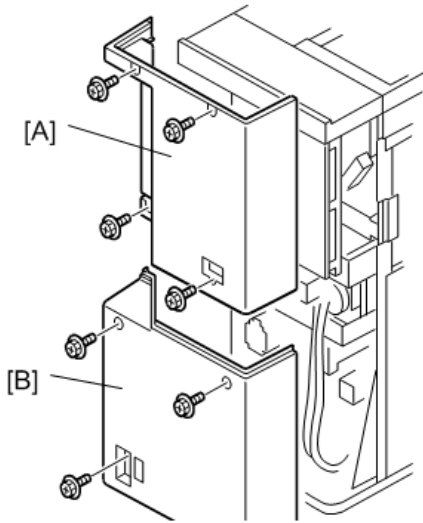
★ **Important**

- Do the remaining steps only if the Cover Interposer Tray will be installed.



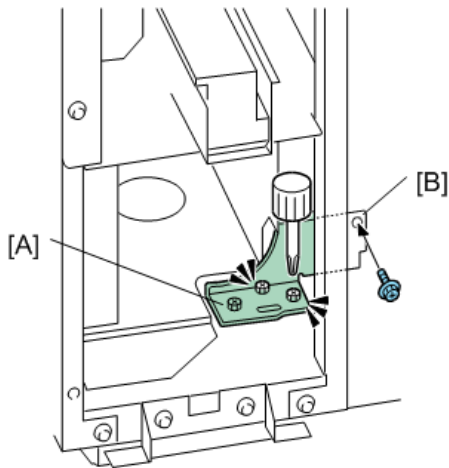
9. Remove:

- [A] Rear upper cover (🔩×4)
 [B] Rear lower cover (🔩×3)



d521i113

10. Use a short screwdriver to loosen bracket [A]. (🔩 ×2)
11. Fasten the bracket to the upstream unit at [B]. (🔩 ×1)
12. Tighten the screws. (🔩 ×3)



d457i110

13. Re-attach the rear covers.

Removing Parts for the Cover Interposer Tray

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 unit is the Cover Interposer Tray.
- These parts must be removed so that the tray unit of the Cover Interposer Tray will fit on top of the Multi Folding Unit.

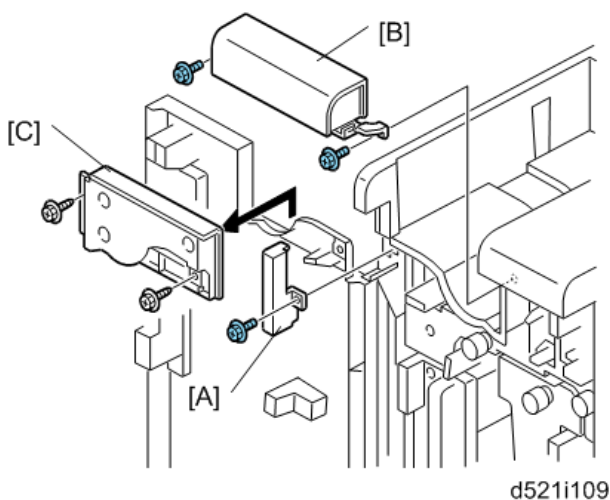
2. Remove:

[A] Bracket (🔩×1)

[B] Cross-piece (🔩×2)

[C] Metal plate from the door (🔩×2)

3. After removing [B] and [C], reattach [A].

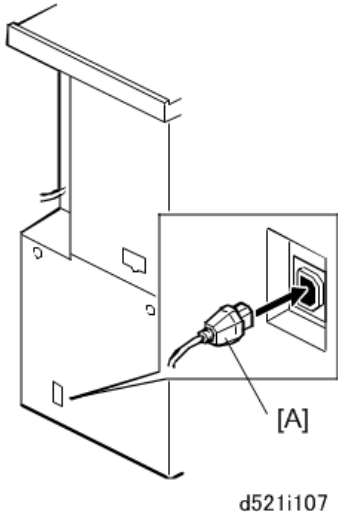


Power Cord

1. Insert the power cord socket [A] into the power connection point.

★ Important

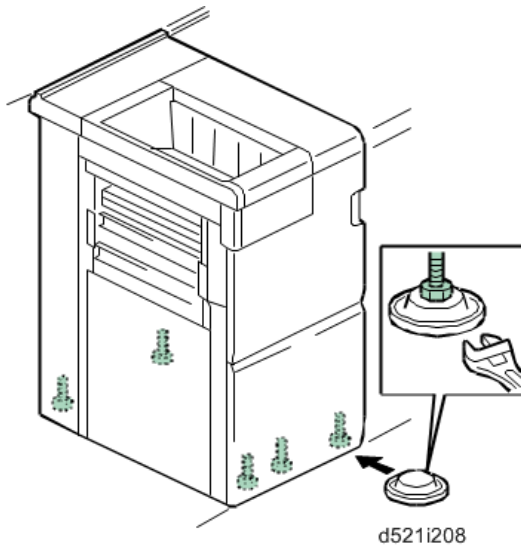
- In China, do not use this power cord provided with this unit. Contact your supervisor and use the power cord specified for use in China.



2. Connect the power supply cord plug to a power outlet.

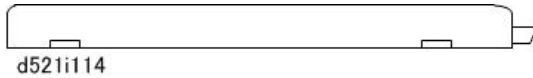
Finishing the Installation

1. Set the leveling shoes and adjust the height of the unit.



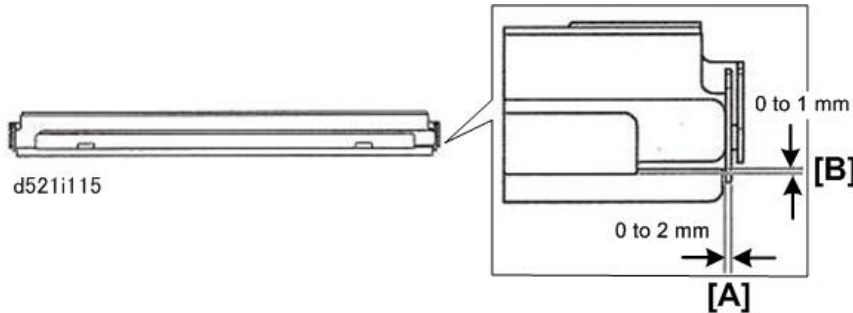
2. Load some DLT or A3 paper in the paper tray of the main machine, and make several prints.
3. Check paper skew and side-to-side registration and correct if necessary. (page 550 "Skew and Side-to-Side Registration for Peripherals")

4. Peel the tape from the accessory mylar strip.



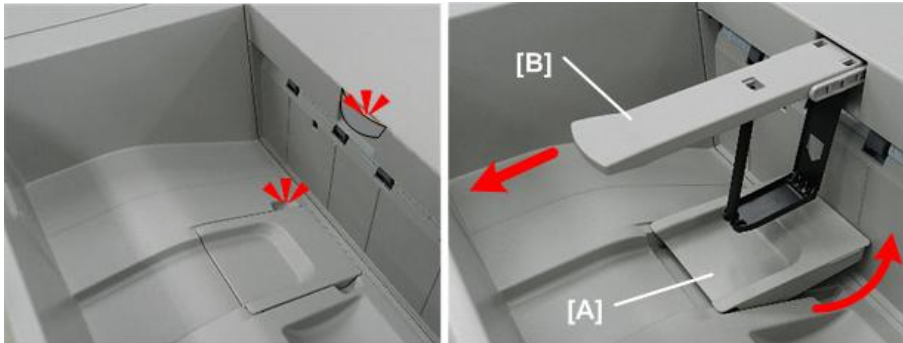
5. Attach the mylar aligned along the edge of the paper guide of the downstream unit.

- The gap between the mylar and the edge should be within 2 mm at the inside [A].
- The gap between the mylar and edge should be within 1 mm at the outside [B].



Auxiliary Tray, Fold Depressor

1. Raise the auxiliary tray [A] or pull out the flexible page depressor [B] when required.



d521i116

- The auxiliary tray [A] keeps Z-folded paper (FM1) flat in the tray so that the trailing edges do not trigger an early tray full alert in the top tray.
- The flexible page depressor [B] prevents folded paper (especially FM3 Letter Fold-out sheets) from opening out and triggering an early tray full alert in the top tray.

Moving the Multi-Folding Unit

Always observe the following points when moving the Multi-Folding unit.

★ Important

- To prevent damage to the connection brackets, never attempt to move or change the position of the system with the LCT, the Multi-Folding Unit, (or any other downstream peripheral) connected.

1. Turn the system off.

- Press the main power switch on the left corner of the main machine to turn the machine off.
- The power-down alert message appears on the operation panel. Wait for the operation panel to go off.
- Switch off the AC power switch.

2. Unplug the main machine from the power source.

- Grip the head of the plug firmly, and then pull it out.
- Never pull on the cord.

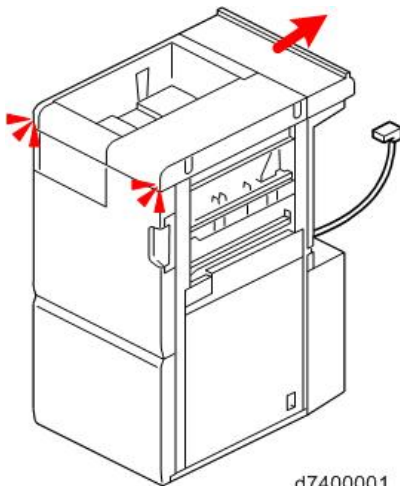
3. Disconnect the unit I/F cord from the upstream unit (or main machine) and downstream unit.

4. Make sure that the front door of the unit is closed.

5. Disconnect the unit power plug.

- Grip the head of the plug firmly, and then pull it out.
- Never pull on the cord.

6. When you move the unit:



- Place your hands on the front left and right corners of the unit.
- Push the unit in the direction of the arrow.
- Pushing the unit front-to-rear prevents twisting the delicate frame of the unit.

Trimmer Unit TR5040 (D520)

★ Important

- The Trimmer Unit can be installed only with the Booklet Finisher SR5060 (D734) (not the Finisher SR5050 (D735)).

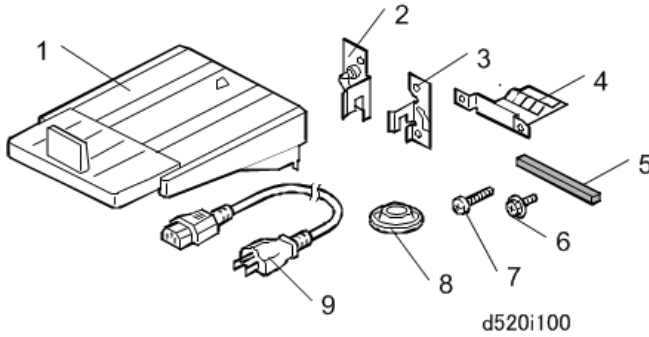
2

Accessories

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

No.	Description	Q'ty
1	Output Tray* ¹	1
2	Joint Bracket – Left (Marked "L")	1
3	Joint Bracket – Right (Marked "R")	1
4	Ground Plate	1
5	Sponges	2
6	Screws (M3×6 for Ground Plate)	2
7	Screws (M4×10 for Joint Bracket)	4
8	Leveling Shoes	4
9	Power Cord	1
-	Cable Tie	5
-	Option Reference Sheet	1

*1 Screws (×2) for the output tray are attached to the left side of the unit.



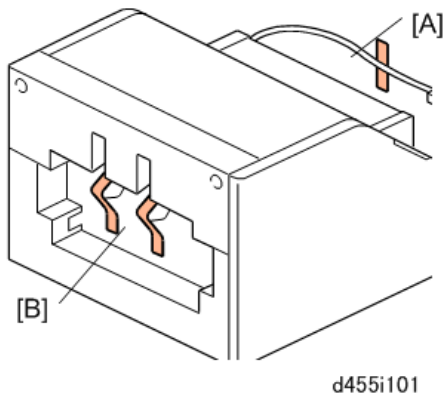
Installation

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

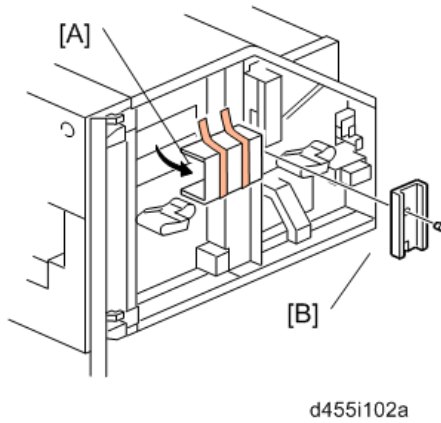
Tapes, Stopper Plate

1. Remove the tape on the right side to free the I/F cable [A].
2. Remove the tape from the left side [B].



3. Open the front door and remove the retainer [A].

4. Stopper plate [B] (⑥ ×1)



↓ Note

- Keep the stopper plate. It should be re-installed before transporting the unit to a new location.

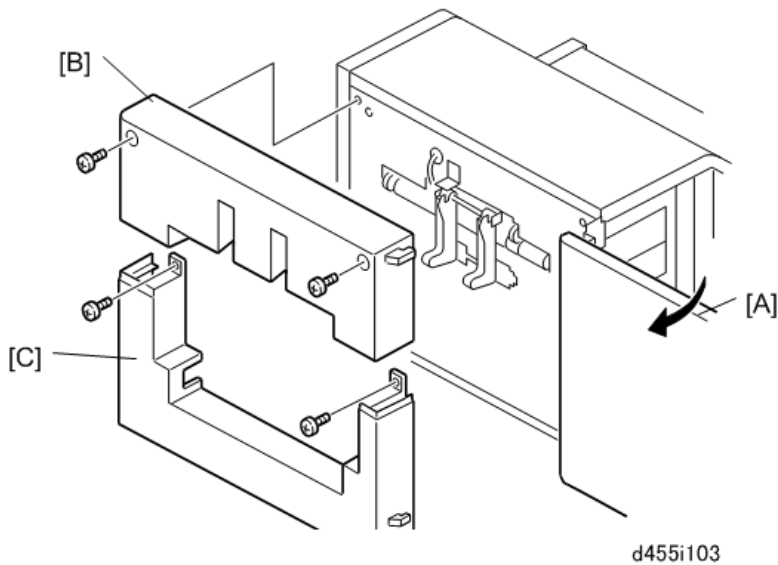
Output Tray

1. Make sure that the front door [A] is open.

2. Remove:

Left upper cover [B] (⑥ ×2)

Left lower cover [C] (⑥ ×2)

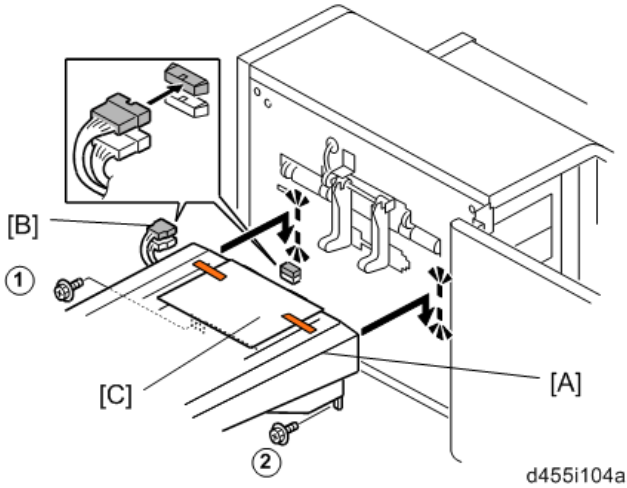


3. Remove the screws ① and ② from the left side.

4. Use the removed screws to attach the output tray [A].
5. Connect the output tray at [B].
6. Remove the sheet [C] of paper.

★ Important

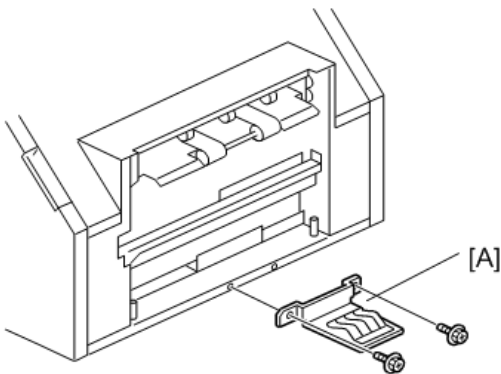
- Do not remove this sheet [C] of paper before connecting the output tray to the trimmer unit.



7. Reattach the left lower cover and left upper cover.

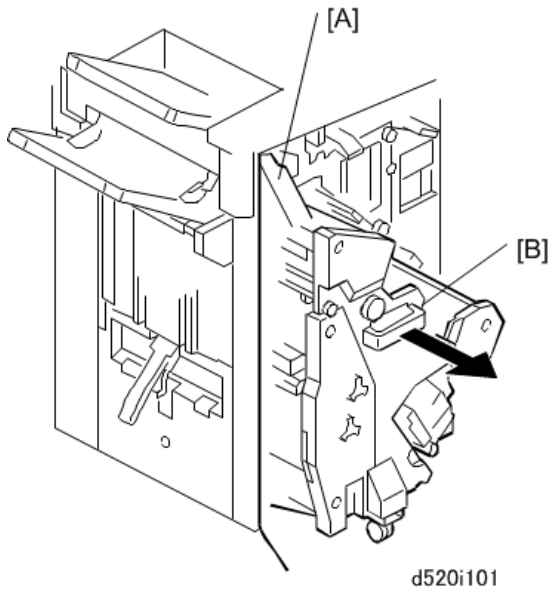
Ground Plate

1. Attach the ground plate [A] to the right bottom edge. (Ⓜ×2: M3×6)



Preparing the Booklet Finisher SR5060 for Docking

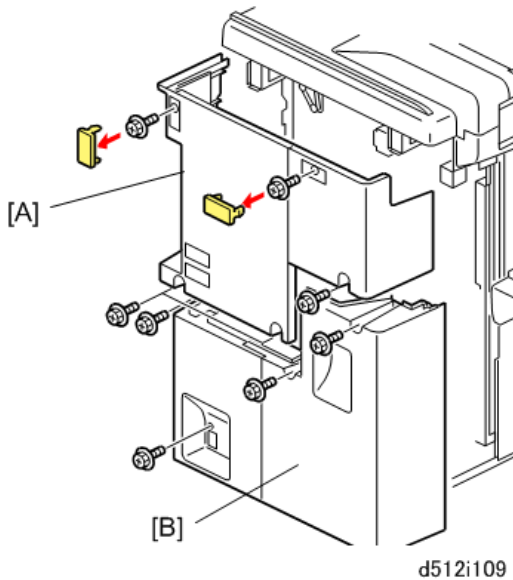
1. Open the front door [A] of the finisher.
2. Pull out the staple unit [B].



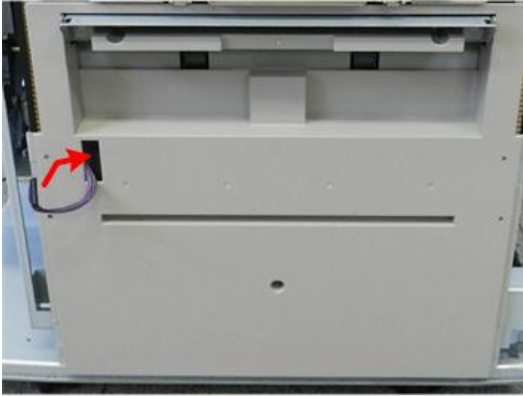
3. At the rear of the finisher, remove:

Rear upper cover [A] (Capx2,  ×5)

Rear lower cover [B] ( ×4)



4. Remove the booklet tray from the left side of the finisher (page 371 "Booklet Finisher SR5060 (D734)/Finisher SR5050 (D735)").
5. Insert the tray harness into the finisher.



d5200013

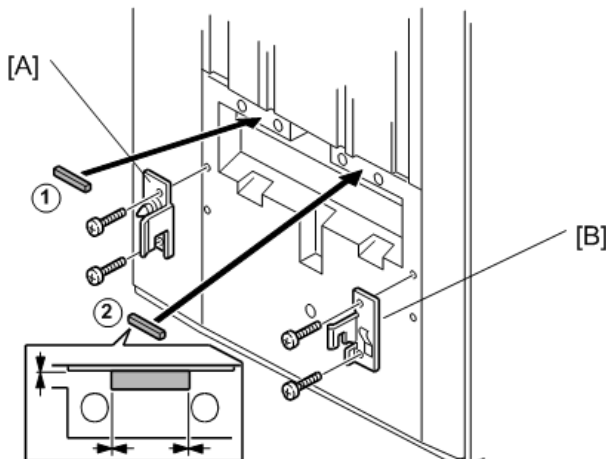
Docking

1. Attach:

Left joint bracket, marked "L" [A] (① ×2, M4×10)

Right joint bracket, marked "R" [B] (② ×2, M4×10)

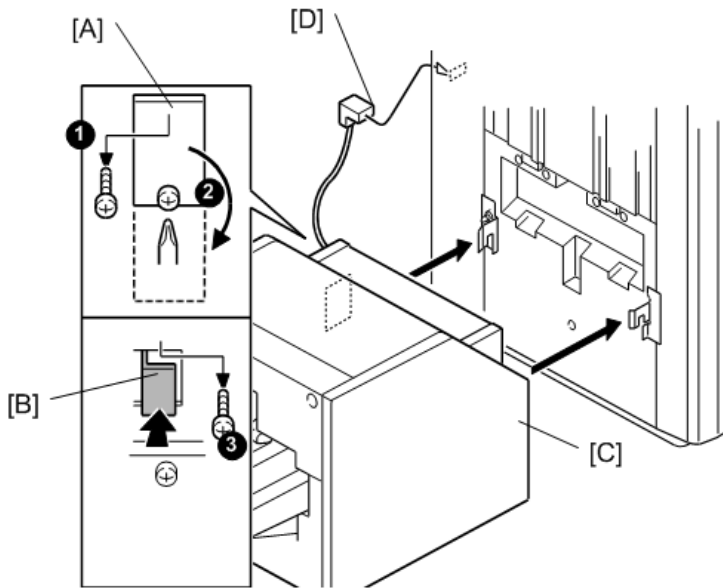
2. Peel the tape from the back of the sponges and attach sponges ① and ②.



d520i102

3. At the rear, remove the screw ① from the plate [A].
4. Loosen the screw ② and lower the plate so that you can see the lock bar [B].
5. Remove the lock bar screw ③ (③ ×1: M3×6). Keep this screw.

6. Push the lock bar [B] until it is unlocked.
7. Slowly push the unit [C] against the left side of the finisher so that the lock bar is directly and squarely under the arms of the joint brackets.
8. At the rear, pull the lock bar [B] toward you so that it slides up into the notches in the arms of the joint brackets.
9. Fasten the lock bar by re-attaching the screw removed in Step 5. (⌀ ×1)
10. Connect the unit I/F cable [D] to the finisher.

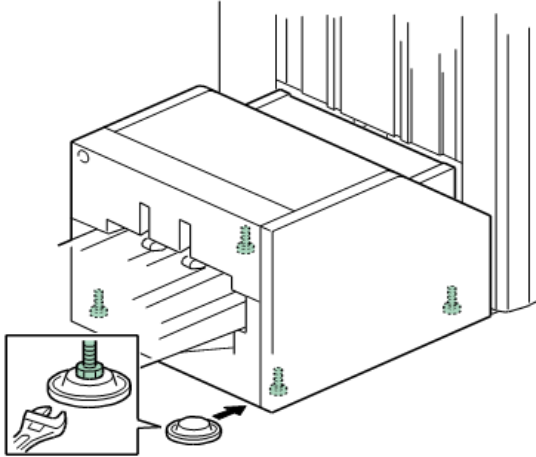


d455i110

11. Connect the plug of the power cord to the power source.

Finishing the Installation

1. Set the leveling shoes and adjust the height of the unit. (page 548 "Height and Level Adjustment")



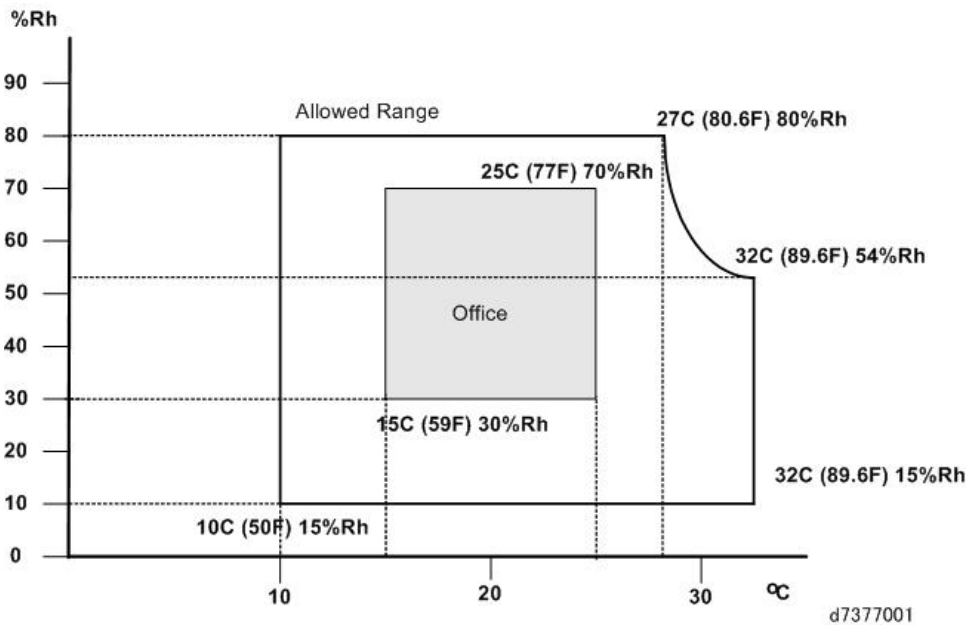
d520i111

2. Load some DLT or A3 paper in the paper tray of the main machine, and make several prints.
3. Check paper skew and side-to-side registration and correct if necessary. (page 550 "Skew and Side-to-Side Registration for Peripherals")

Ring Binder RB5020 (D737)

Operating Environment

1. Temperature Range
 - Allowed: 10°C to 32°C (50°F to 90°F)
 - Recommended: 15°C to 25°C (59°F to 77°F) Rh 50%
2. Humidity Range:
 - Allowed: 15% to 80% Rh
 - Recommended: 30% to 70%
3. Ambient Illumination: Less than 1,500 lux (do not expose to direct sunlight or strong light.)
4. Ventilation: Air must be replaced a minimum of 3 times per hour
5. Ambient Dust: Less than 0.10 mg/m³



6. If the installation area has air-conditioners or heaters, put the finisher in a location that agrees with these conditions:
 - Where there are no sudden temperature changes from low to high, or high to low.
 - Where it will not be directly exposed to cool air from an air conditioner in the summer.
 - Where it will not be directly exposed to reflected heat from a heater in the winter
7. Do not put the finisher where it will be exposed to corrosive gases.

8. Put the finisher on a strong and level surface. The front and rear of the machine must be less than 5 mm (0.2") away from level.
9. Do not put the finisher where there could be strong vibrations.
10. Do not connect the finisher to a power supply shared with other electrical devices.
11. The machine generates a strong electromagnetic field. This can cause interference with radio or television reception.

Machine Level

1. Front to rear: Less than 5 mm (0.2") away from level
 2. Right to left: Less than 5 mm (0.2") away from level
- The finisher legs can be turned to adjust them up or down to make the machine level.

Minimum Space Requirements

The minimum clearances at the front and back are the same as the host machine.

Power Supply

Input voltage level	100 to 240V 50/60 Hz NA: 120V 50/60 Hz 5A EU: 220 to 240V 50/60 Hz 3A
---------------------	---

★ Important

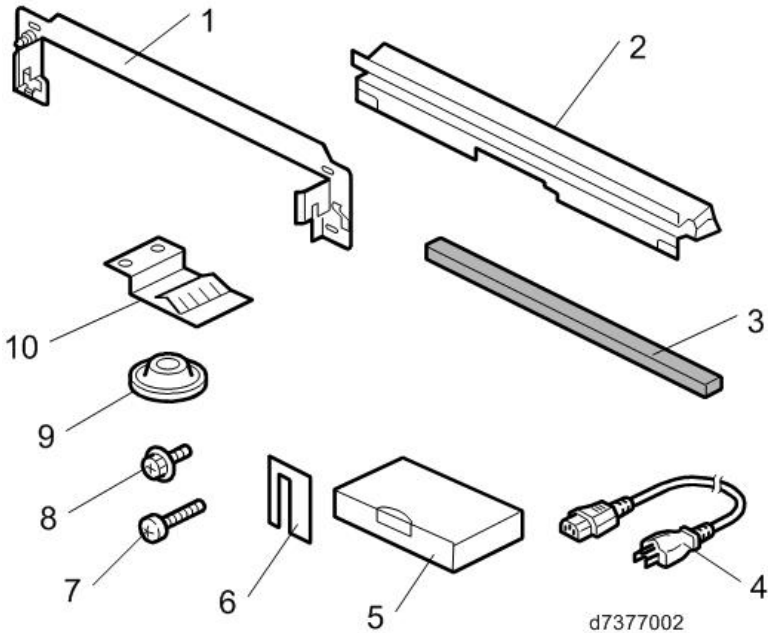
- The finisher must have an independent power source. Avoid multi-wiring.
- The finisher must be properly grounded at the power source.

Accessories

Check each accessory against the list below to make sure that you have everything.

No.	Item	Q'ty
1	Docking Bracket	1
2	Entrance Guide Plate	1

No.	Item	Q'ty
3	Sponge Strip	1
4	Power Cord	1
5	Ring Opener	1
6	Ring Supply Level Indicator	1
7	Screws (M4×14)	4
8	Tapping Screws (M3×6)	4
9	Leveling Shoes	4
10	Ground (Earth) Plate	1

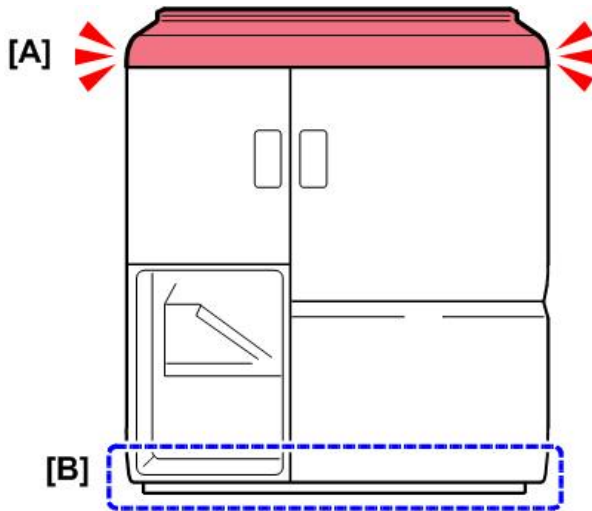


Before You Begin

The ring binder weighs 140 kg (308 lb.).

★ Important

- To prevent bending or breaking the top cover, never lift the unit by its top cover [A]. Always raise the unit from the base [B].



d7377003

Installation Procedure

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.
- If this unit is to be installed right next to the left of the mainframe, the attachment procedure of additional sponge stripe(s) is required. For details, refer to the Field Service Manual of the main machine.

Remove All Shipping Materials

1. Remove all visible tapes, cushion, two accessory boxes, and wrapping material attached to the outside of the unit.

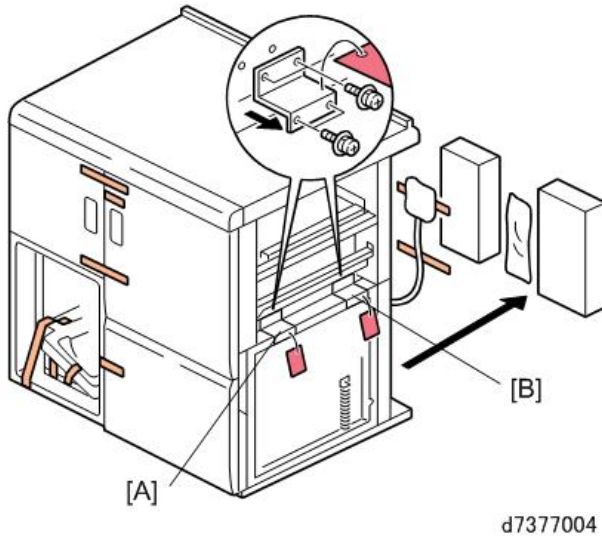
2. Remove:

[A] Brace × 1 (🔩 × 4)

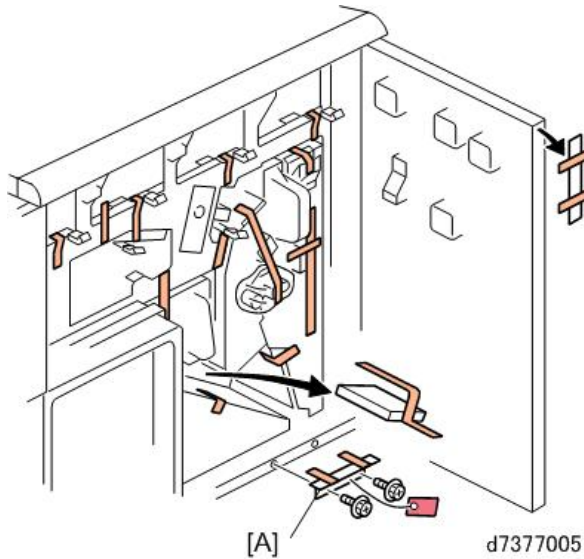
[B] Brace × 1 (🔩 × 4)

★ Important

- Do not discard these braces. They must be reattached to the unit before it is moved or shipped to another location.

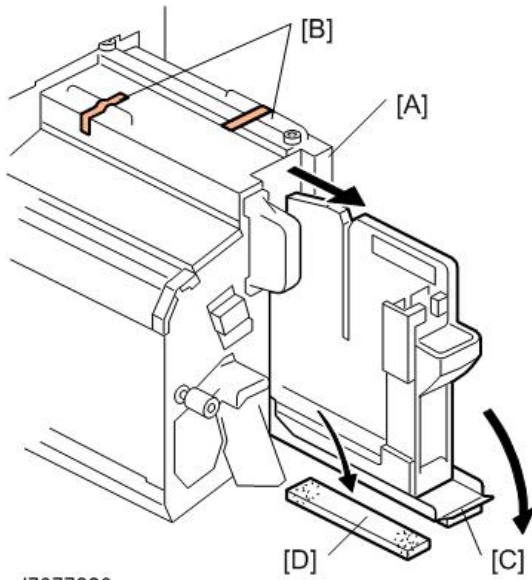


3. Open the right door and left door.
4. Remove all tapes and packing material.
5. Remove the brace and red tag [A]. (⊙ ×2)



6. Pull the binder unit [A] out of the unit until it stops.
7. Remove the tape [B] on top of the unit.
8. Pull down the ring cartridge handle and cover [C].

9. Pull the ring cartridge out and remove the cushion [D].



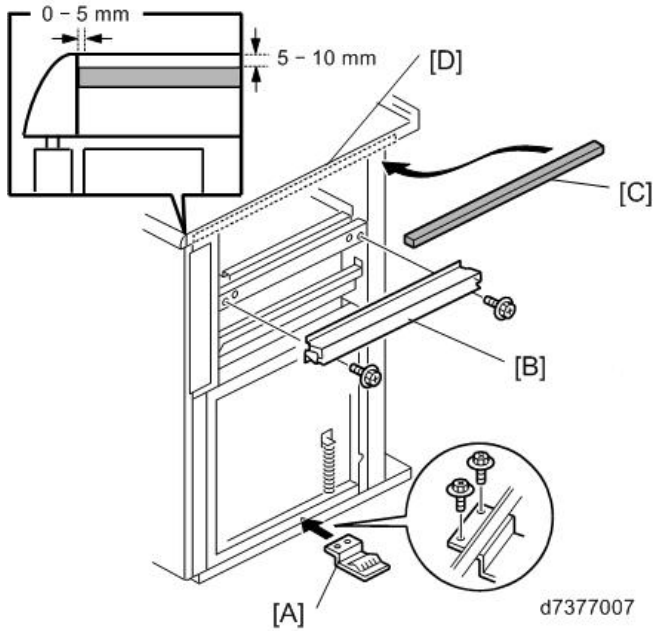
d7377006

10. Push the ring cartridge in and close its cover.
11. Push the binder unit into the unit.
12. Close the left front door and right front door.

Prepare the Unit for Docking

1. Attach the ground plate [A]. (⚙️ ×2: M3×6)
2. Attach the entrance guide plate [B]. (⚙️ ×2: M3×6)
3. Remove the tape from the back of the sponge strip [C].

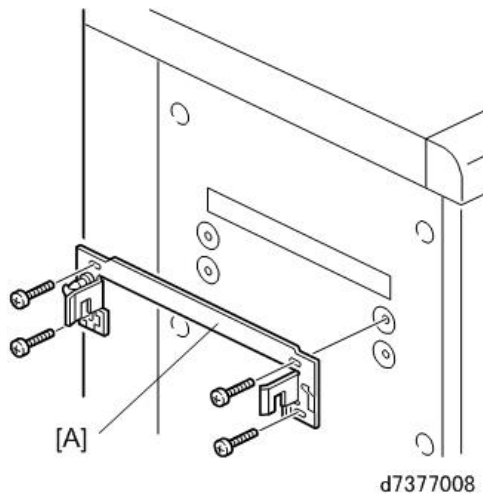
- Attach the sponge strip to the top edge [D] of the unit as shown above.



2

Prepare the Main Machine for Docking

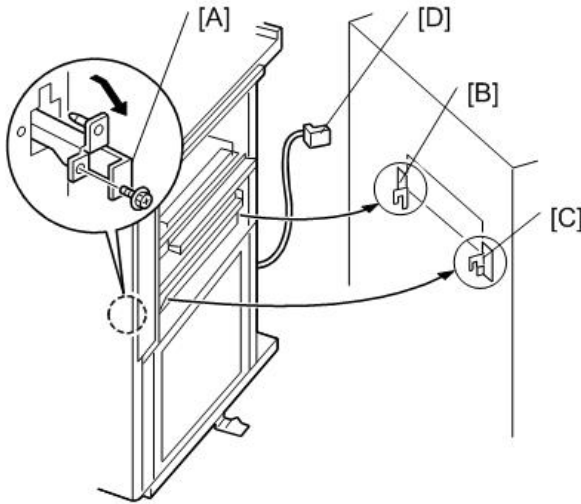
- Attach the docking bracket [A]. (Ⓜ ×4: M4×14)



Dock the Unit to the Main Machine

- Open the right door of the unit.

2. Pull out the locking lever [A]. (🔑×1)
3. Align the right side of the unit with the docking brackets [B] and [C] on the left side of the main machine, and then slowly push the unit onto the brackets.
4. Connect the unit's I/F cable [D] to the main machine.



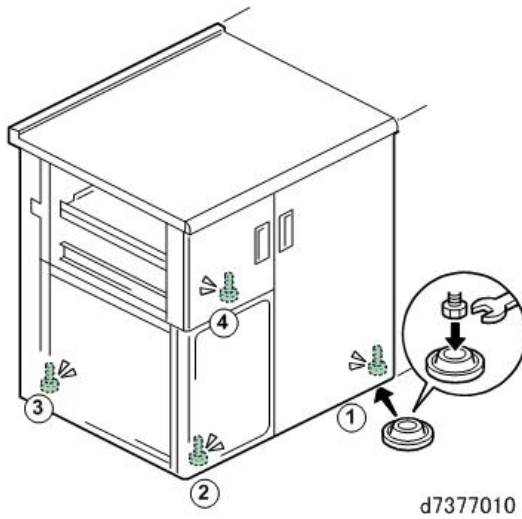
d7377009

5. Push in the locking lever and check that it slides into the slots of the docking brackets.
6. Check that the top edge of the unit is parallel with the left edge of the main machine.
7. Refasten the locking lever [A] (🔑×1) and close the right front door.

Install the Shoes and Level the Unit

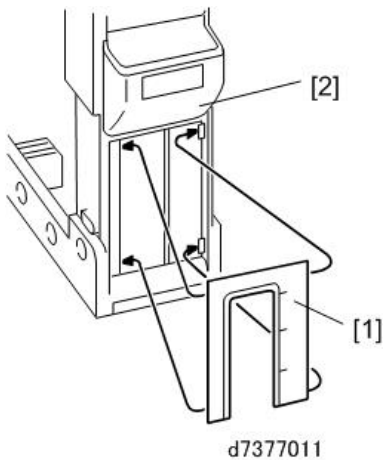
1. Set the four leveling shoes under the feet of the unit.
2. Open the right front door and left front door.
3. Place a level on the frame.

- Use a wrench to turn the nut at each foot until the machine is level.



Attach Ring Supply Level Indicator

- Open the front door.
- Pull out the ring binder.
- Lift the ring supply cartridge out of the top of the binder unit.
- Set the ring supply level indicator [1] behind the tabs on the side of the ring supply cartridge [2].



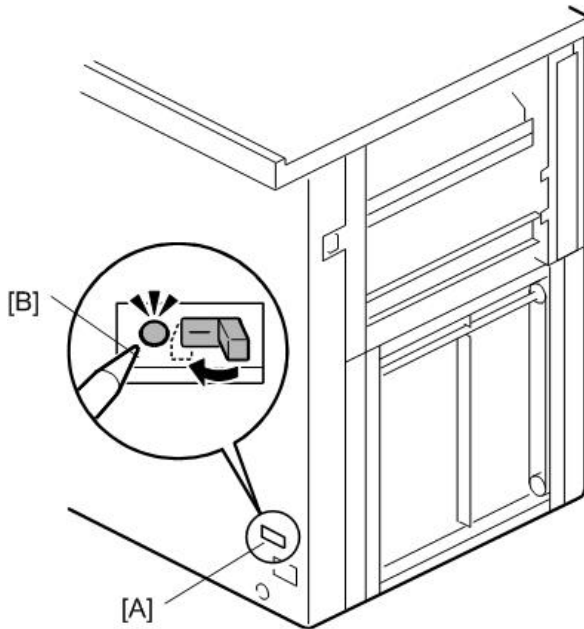
Test the Breaker Switch

1. If the main machine is on, turn it off.
2. Confirm that the breaker switch [A] is set to the right.

Note

- The breaker switch is at the bottom of the left rear corner near the power cord. When it is set to the right, you should see a straight line (-).

3. Connect the power cord to the finisher, then connect the other end to a power supply outlet.
4. Use the sharp point of a pen [B] or similar tool to push in the breaker switch until it snaps to the off position. (You should see "0".)



d7377012

5. If the breaker does not snap to the off position:
 - Check that the power cord is correctly connected to the finisher and power supply.
 - Push the breaker switch again to see if it snaps to the off position.
 - If the breaker switch does not snap to the off position, it must be replaced.
6. Be sure to reset the breaker switch to the on (-) position.

Centering Paper in the Paper Path

At installation you must confirm that the paper is exiting the ring binder correctly and do the necessary correction if required. There are two checks:

- The paper should be centered in the paper path.
- The paper should feed straight out of the ring binder.

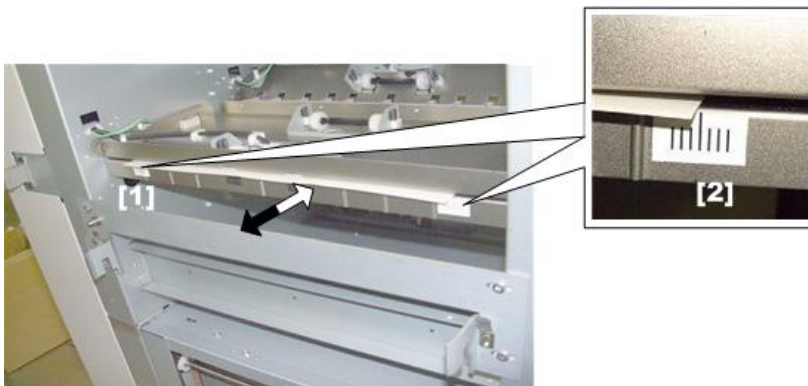
2

Checking and Correcting Side-to-Side Registration

Checking Side-to-Side Registration

Do this check to confirm that the paper is centered in the paper path.

1. Make sure the I/F cable of the ring binder unit is connected.
2. If the finisher is connected to the left side of the ring binder, separate it and pull it away from the left side of the ring binder. Do not disconnect the finisher.
3. Enter the SP mode and temporarily disable side-to-side registration control in the main machine (SP 1-206-001).
4. Execute a run by feeding paper (A4 or LT) from Tray 2 of the host machine (punching only, no ring binding).
5. During the run, each sheet of paper briefly protrudes about 5 to 10 mm before it switches back into the ring binder and feeds to the punch unit, as shown above.
 - There are two scales on the left side of the ring binder below the paper exit.
 - The rear scale [1] is for LT-size paper and the front scale [2] is for A4-size paper. Be sure to read the correct scale for the paper size in use.



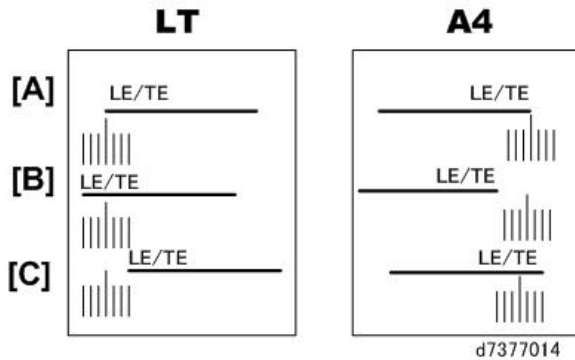
d7377013

6. Check the position of the paper on the scale to determine if the paper is centered.

★ Important

- Read the rear scale for LT-size paper and the front scale for A4-size paper.

- The scale lines are spaced 2 mm apart.
- The edges of the paper should be at the center line and not deviate more than ± 2 mm.



[A]	Leading/trailing edges centered. No adjustment necessary.
[B]	Leading/trailing edges offset to the rear more than 2 mm. Adjustment required.
[C]	Leading/trailing edges offset to the front 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: Bracket Adjustment

★ Important

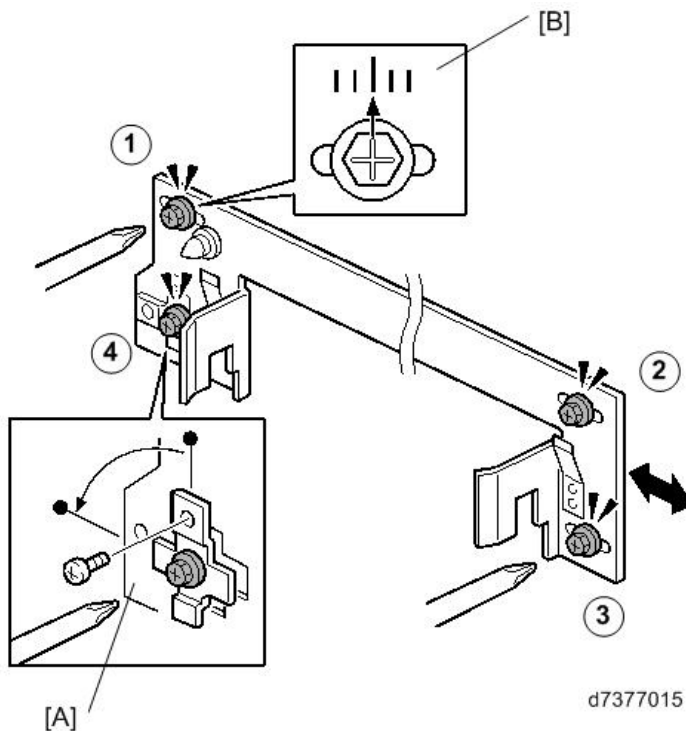
- Disconnect the ring binder from the upstream unit.
1. On the docking bracket attached to the upstream unit, loosen screws ①, ②, ③, and ④.
 2. Remove bracket [A] (🔑×1), rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the joint bracket so it can slide side-to-side.
 3. Look at the scale [B].
 4. Slide the bracket to the left or right and tighten the screw.

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 screw ①.

5. Tighten screws ②, ③, and ④.



6. Do another test run to check the results of the adjustment.

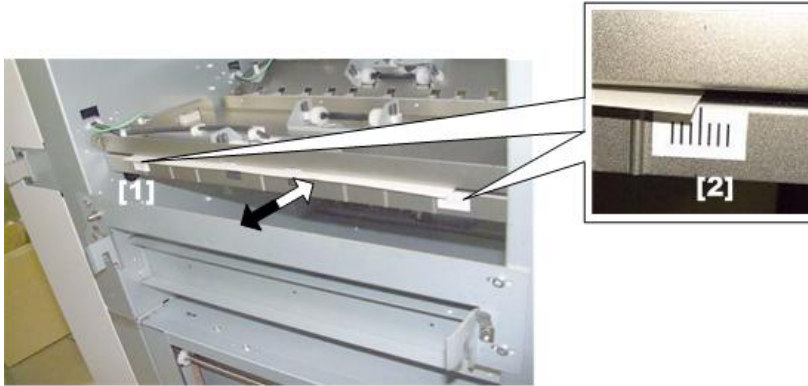
7. When you are finished checking and correcting side-to-side registration, use the SP code to restore main machine shift control to its original value.

Checking and Correcting Skew

Checking for Paper Skew

Do this check to confirm that the paper is not skewed in the paper path.

1. Make sure that the I/F cable of the ring binder unit is connected.
2. If the finisher is connected to the left side of the ring binder, separate it and pull it away from the left side of the ring binder. Do not disconnect the finisher.
3. Execute a straight-through run (no ring binding, no punching) with A3 or DLT from Tray 2 of the host machine.
4. During the run, each sheet of paper exits the side of the ring binder, as shown above.
 - There are two scales on the left side of the ring binder below the paper exit.
 - The rear scale [1] is for DLT-size paper and the front scale [2] is for A3-size paper. Be sure to read the correct scale for the paper size in use.

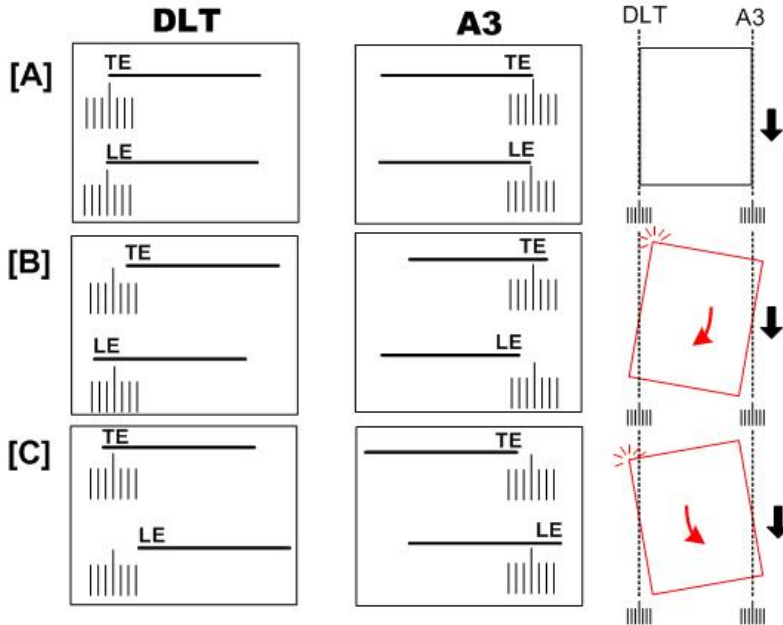


d7377016

5. Check the position of the paper on the scale to determine if the paper skews as it exits.

★ Important

- Read the rear scale for DLT-size paper and front scale for A3-size paper.
- The scale lines are spaced 2 mm apart.
- The paper must not deviate more than ± 2 mm on the scale.



d7377017

[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

1. Disconnect the ring binder from the upstream unit.
2. Remove the spacers [1] from the right side of the ring binder at the base. (🔑 ×2)



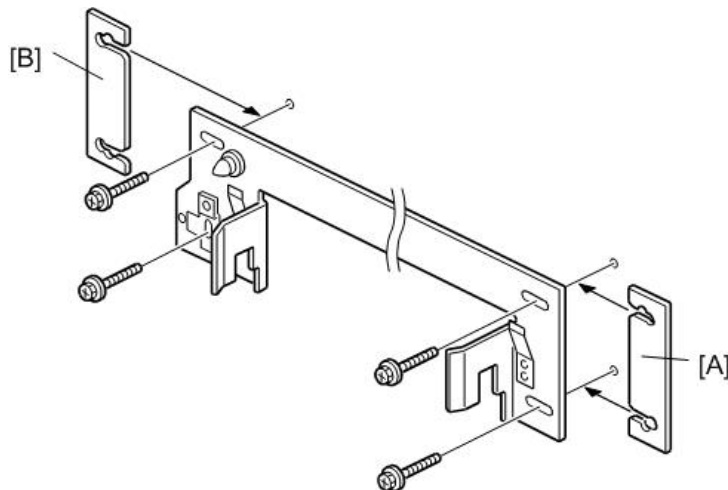
d7377018

3. On the docking bracket attached to the upstream unit, loosen the screws.
4. Insert a spacer and tighten the screws.

If the trailing edge is skewing toward the **front** of the machine, insert a spacer [A] 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 [B] under the **front** end of the bracket and tighten the screws.



d7377019

5. To another run to check the adjustment. If skew is still present, insert another spacer.

After Installation

Confirm that the operators understand the following important points:

2

- Decals attached to the machine provide guidance for removing paper jams. Point out the decal locations.
- Detailed instructions on removing ring jams are provided in the operating instructions under "Removing Jammed Ring Combs".
- When pulling out and pushing in the binder unit on its rails, always grip the binder unit by its handle (**Mc8**).



d7377020

CAUTION

- Always grip handle **Mc8** when pulling out or pushing in the binder unit.
- Never touch any other surface of the binder unit when it is moving on its rails.
- To avoid injury to the fingers, never push on the top of the binder unit to slide it back into the finisher as shown above.



d7377021

★ Important

- Never store paper, extra rings, manuals or any other material below the output tray. Obstacles in this area (shown in red in the illustration below) will interfere with the raising and lowering of the tray and cause an error.

Perfect Binder GB5010 (D736)

Bookbinder Accessories

There are no accessories provided in the bookbinder box. The required accessories are provided with the relay unit and inserter unit.

2

Bookbinder Installation

Before You Begin

The bookbinder contains many large moving parts. Braces, cushions, and orange tape are attached inside and outside the bookbinder to immobilize and protect the working parts during handling and shipping.

Large red warning tags are attached with ribbons to braces, cushions, and screws that must be removed at installation. However, these items must not be discarded. Some braces must be reinstalled if the machine needs to be moved to a new location. Due to the large number of braces that must be retained (there are over 20), they should be marked for future reference as they are removed.

Here are some simple rules to follow during removal of the braces, cushions, and screws:

- Use a marker with indelible ink to mark each item or its tag as instructed when it is removed from the bookbinder. This will make it easier for the service technician to identify the brace for reinstallation. This will also help you to confirm that everything has been removed from inside the machine.
- After removing a brace, set the screws in the correct holes and tape them in place. This will make it easier to find the correct screws for reinstallation.
- The red warning tags must remain attached by the ribbons to the braces, cushions, and screws. If they are reattached before moving the machine, they will serve as reminders of the items that must be removed after the machine has been moved to the new location.
- Remove the orange tape carefully and save as much of it as possible.

Note

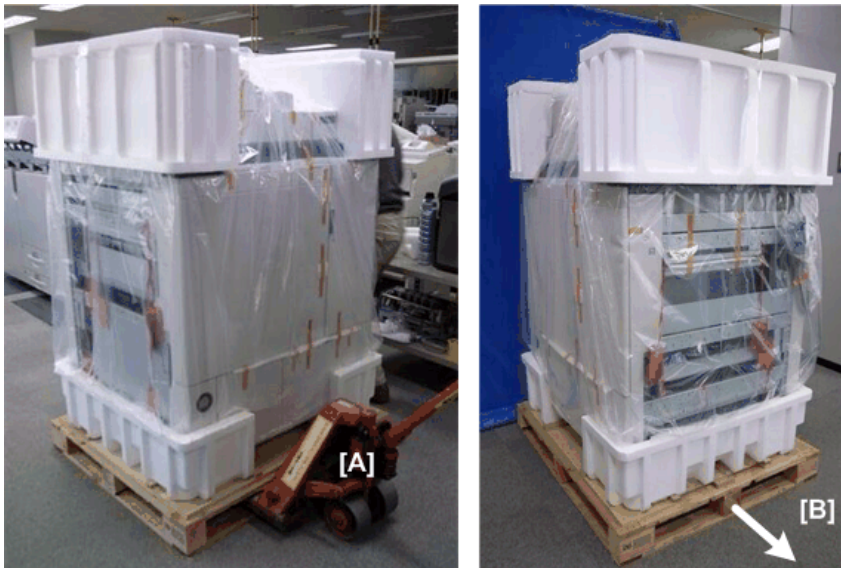
- The actual color of the new Perfect Binder is much darker than the older Perfect Binder that appears in the photographs of this section. The installation instructions are the same.

Unloading the Bookbinder

⚠ CAUTION

- The bookbinder weighs 316 kg (695 lb.). At least four service technicians are required to unload the bookbinder from its pallet.
- You will need a manual forklift to position the pallet for unloading.

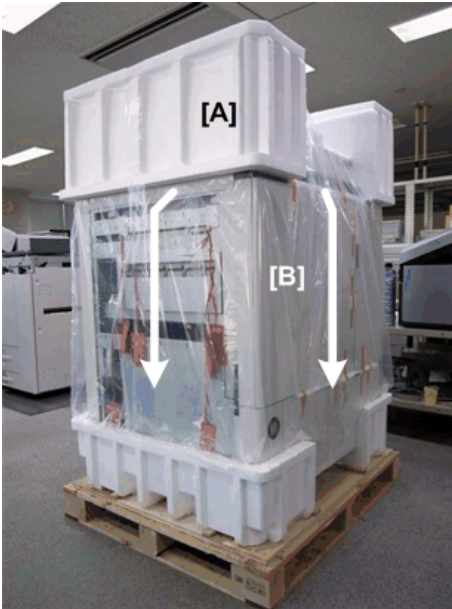
1. Remove the packing straps and cardboard cover.
2. Use a manual forklift [A] to position the pallet so there is at least 2 meters (6.5 ft.) of free space to the right side of the bookbinder [B].



d391i403

3. Remove the packing from the top of the machine [A].

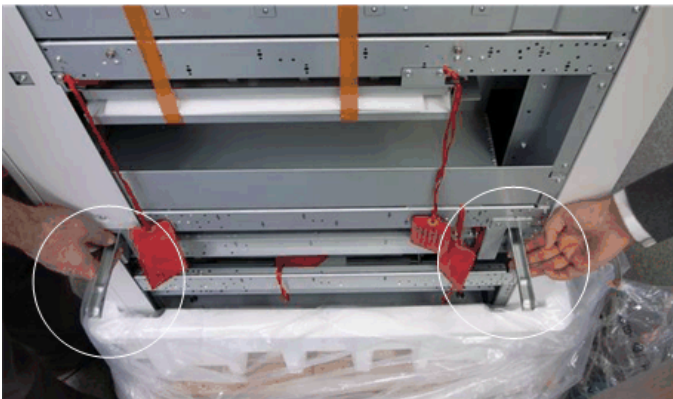
4. Pull down the protective plastic cover [B] on all four sides.



d391i404

★ Important

- Collapsible metal handles are provided on the right and left side of the bookbinder.
- To avoid physical injury, always use these handles to lift either the right or the left side of the bookbinder.
- Never attempt to raise the left or right side of the bookbinder alone. Two people, one on each handle, should lift one side together.



d391i409

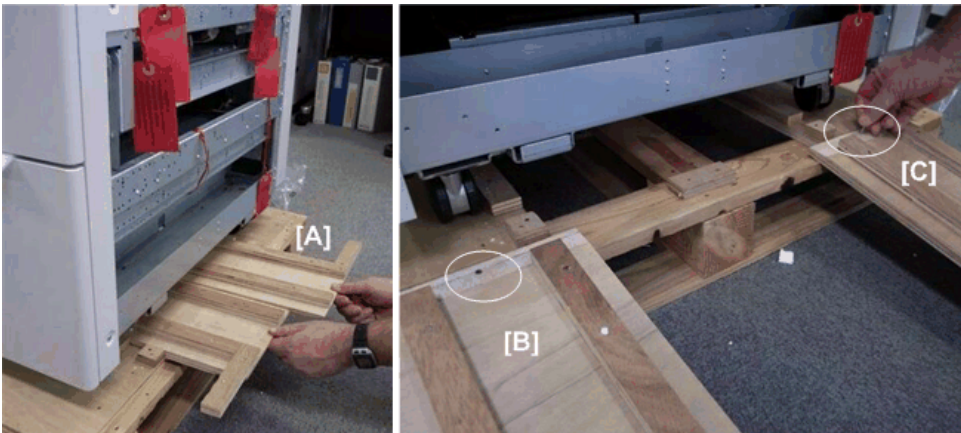
5. Position one person at the left to prevent the bookbinder from tipping over.

6. On the right [A], have two people use the handles to lift the machine, while another person removes the Styrofoam block and then pulls the plastic cover under the machine to the left as far as possible.
7. Position one person at the right to prevent the bookbinder from tipping over.
8. On the left [B], have two people use the handles to lift while another removes the Styrofoam block and the plastic cover together.



d391i405

9. Pull out the two ramps [A].
10. Two nails are taped to one of the ramps. Align the holes in the top of each ramp with the holes in the pallet, then insert the nails into the holes to fasten the left ramp [B] and right ramp [C] to the edge of the pallet.



d391i406

11. Confirm that:

- Both ramps are firmly attached to the edge of the pallet with nails [A] and [B].
- Both ramps extend straight out from the side of the pallet.

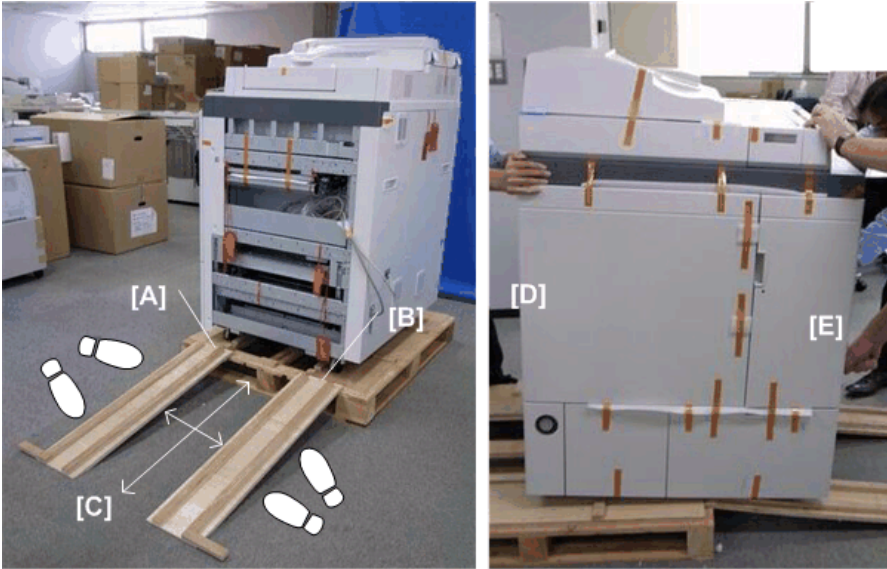
- Area [C] between the ramps is free of obstacles.

⚠ WARNING

- As the bookbinder is being pulled off the pallet, never step across either of the ramps and place your foot in the area between the ramps [C].

12. With one person [D] behind the bookbinder gently pushing, and two people in front pulling the bookbinder by the handles [E], slowly move the bookbinder down the ramps.

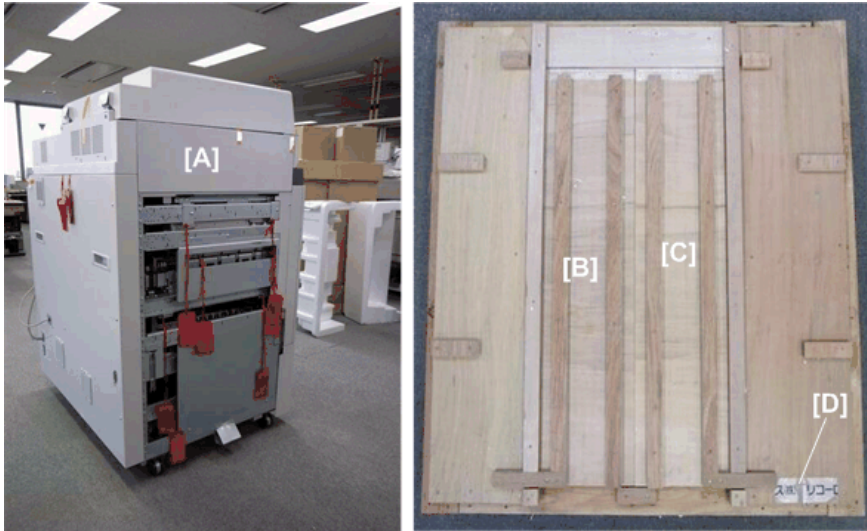
2



d391i407

13. Once the bookbinder [A] is off the pallet, it can be pushed or rotated on its casters.
14. Remove the nail from each ramp and reattach the ramps [B] and [C] to the pallet.

15. Tape the nails [D] to the pallet.



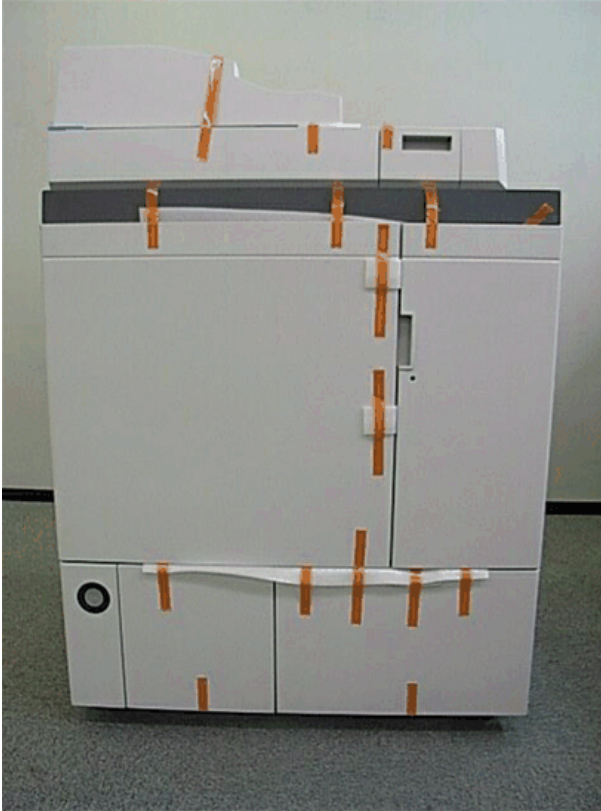
d391i408

Bookbinder Exterior Tape, Braces

★ Important

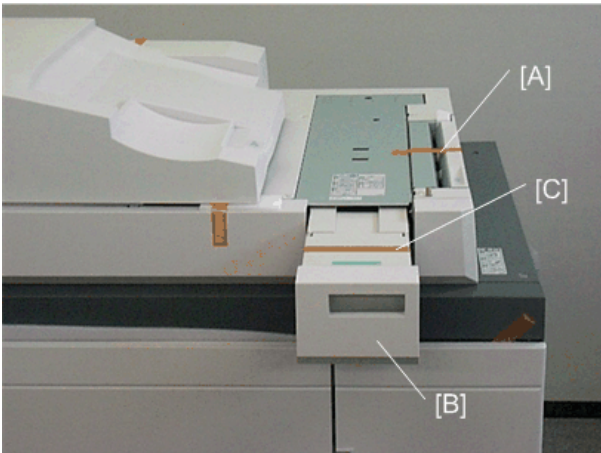
- Braces, cushions, and screws removed from the machine for installation should be retained for reinstallation in the event that the bookbinder must be shipped to a new location.

1. Remove all strips of tape and packing from the front and top.



d391i301

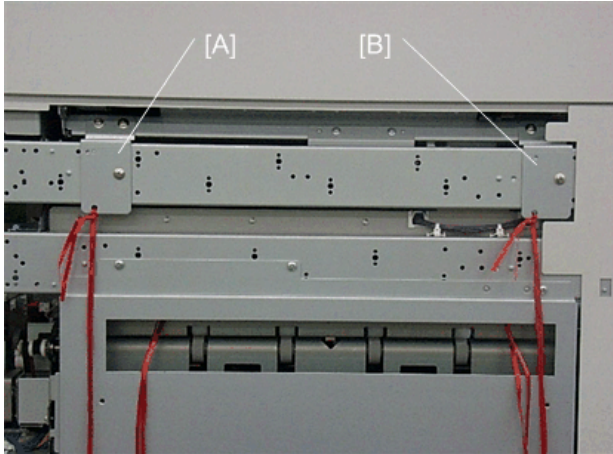
2. Remove tape [A].
3. Pull out the glue supply drawer [B] and remove long tape [C].



d391i302

4. Remove upper braces [A] and [B]. (each  x3)

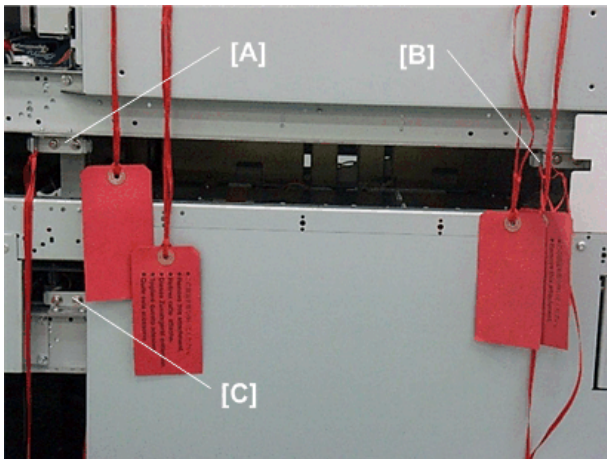
<Left Side>



d391i303

5. Remove lower braces [A], [B], [C]. (each  x2)

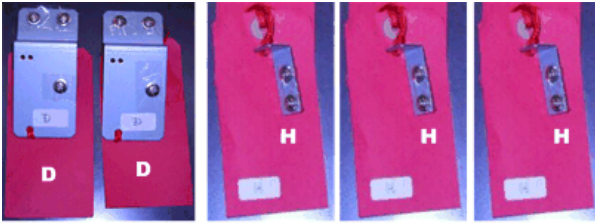
<Left Side>



d391i304

6. Mark the two (large) upper braces "D".

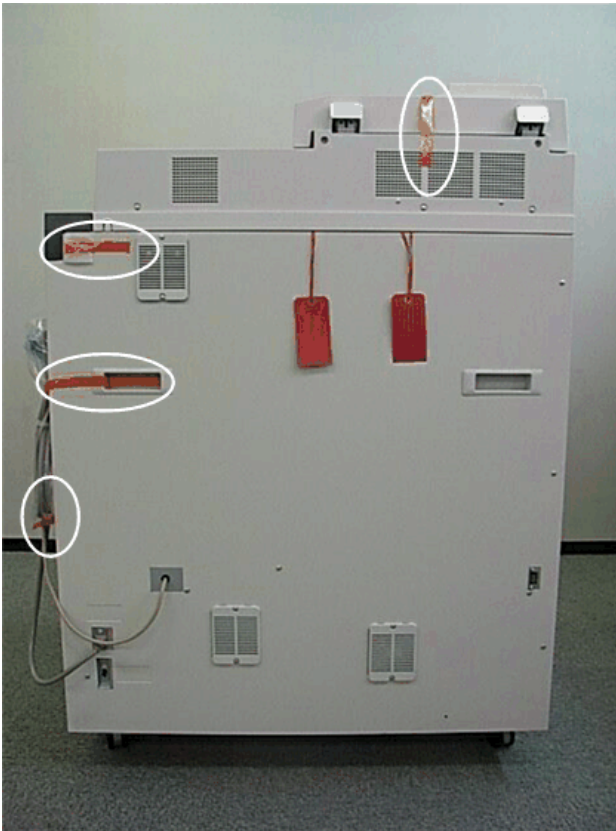
7. Mark the three (small) lower braces "H".



d391i006d

8. At the rear, remove all tape (as shown) from the back, top, power cord and interface cable.

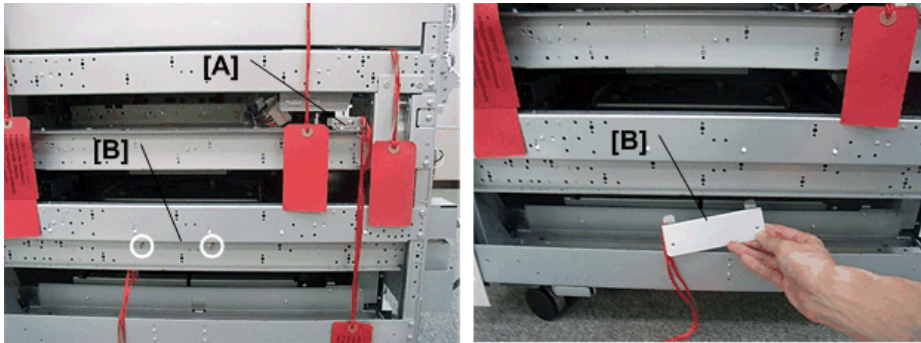
<Rear>



d391i305

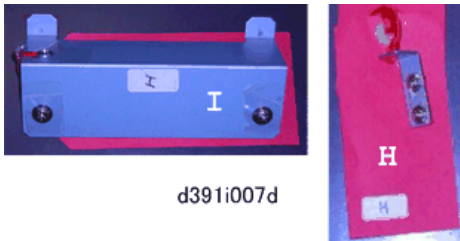
9. Remove brace x1 [A], brace [B] x1 and tags. (each  *2)

<Right Side: Near Bottom>



d391i306

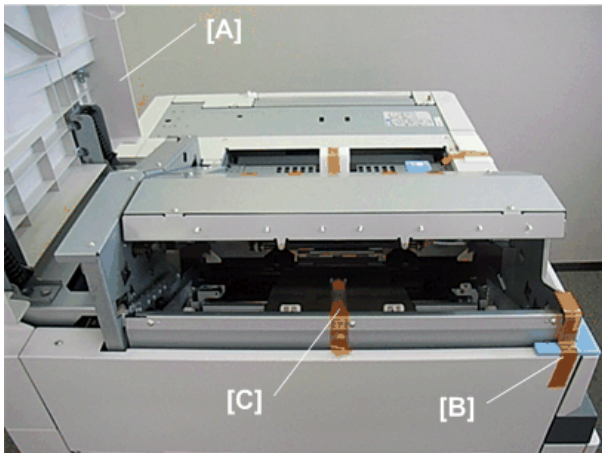
10. Mark the removed large brace "I" and mark the removed small brace "H".



d391i007d

11. Open the top cover [A].
 12. Remove tape, cushions [B] and [C]. Slide the cushion at [C] down to remove it.

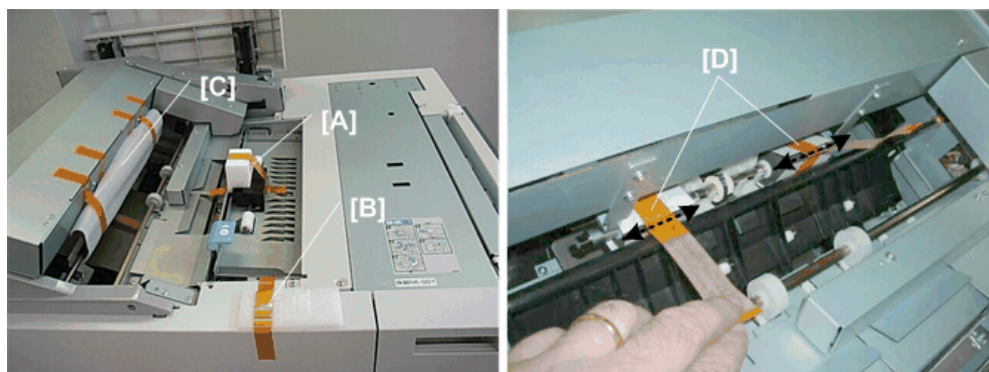
<Left Side>



d391i307

13. Remove the tape, cushions [A], [B].
 14. Disconnect the tape at [C] then lower lever Mk4.
 15. Carefully cut the strips of tape at [D] then remove the strips of tape and the cushions.

<Front: Top>



d391i308

★ Important

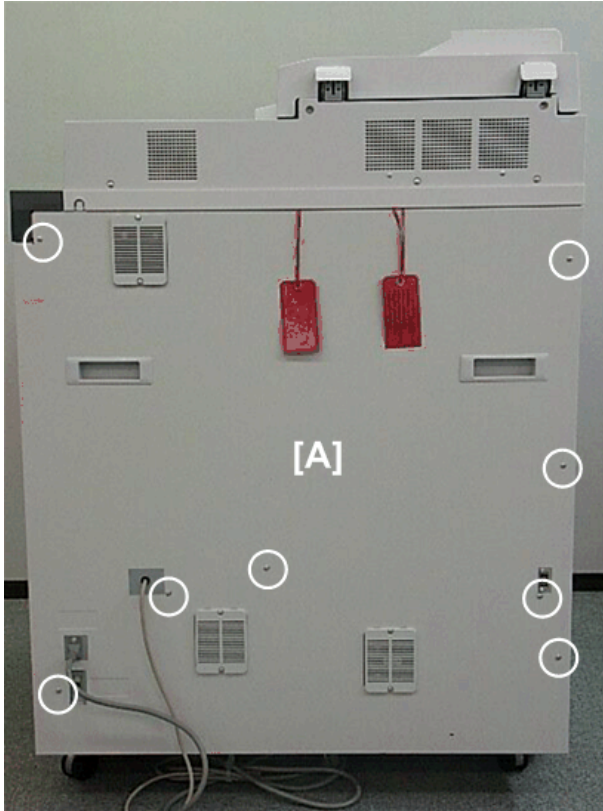
- Pulling on the strips of tape without cutting them could damage the roller shaft.

16. Lower the top cover.

Bookbinder Interior Tape, Braces

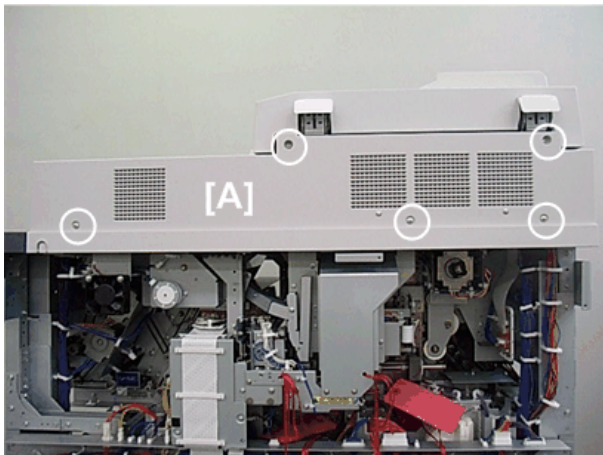
1. Remove rear cover [A]. (⊙*8)

<Rear>



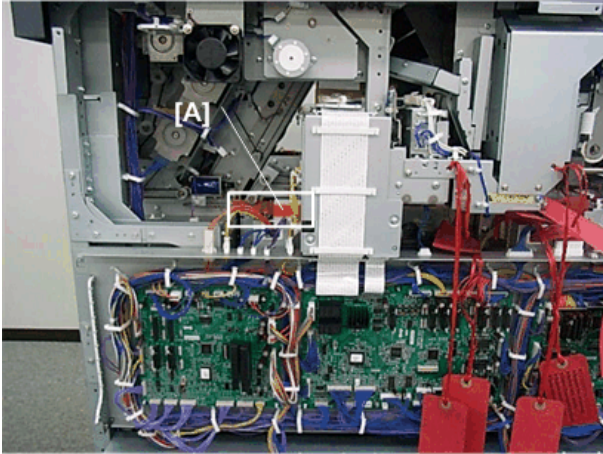
d391i309

2. Remove rear upper cover [A]. (⚙️ x5)



d391i310

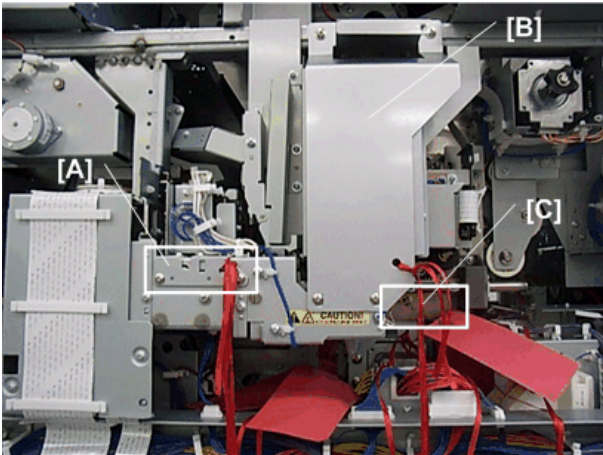
3. Remove tape, cushion [A].



d391i311

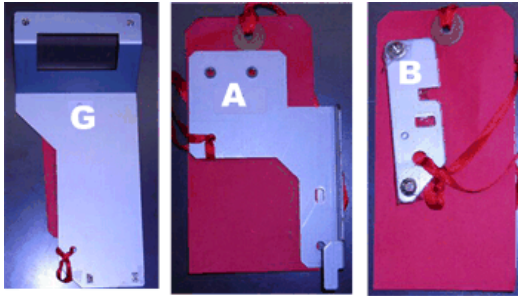
4. Remove:

- [A] Brace, tag (🔩 ×2)
- [B] Brace, tag (🔩 ×4)
- [C] Brace, tag (🔩 ×4). (These four screws are tagged with wire.)



d391i312

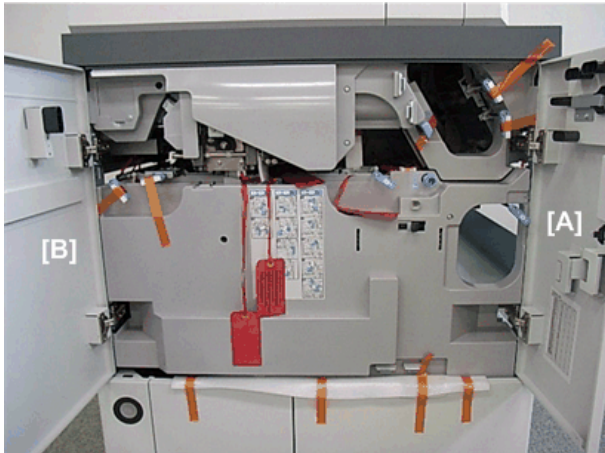
5. Mark the removed braces "G", "A", "B" as shown.



d391i008d

6. Open the right front door [A] then left front door [B].

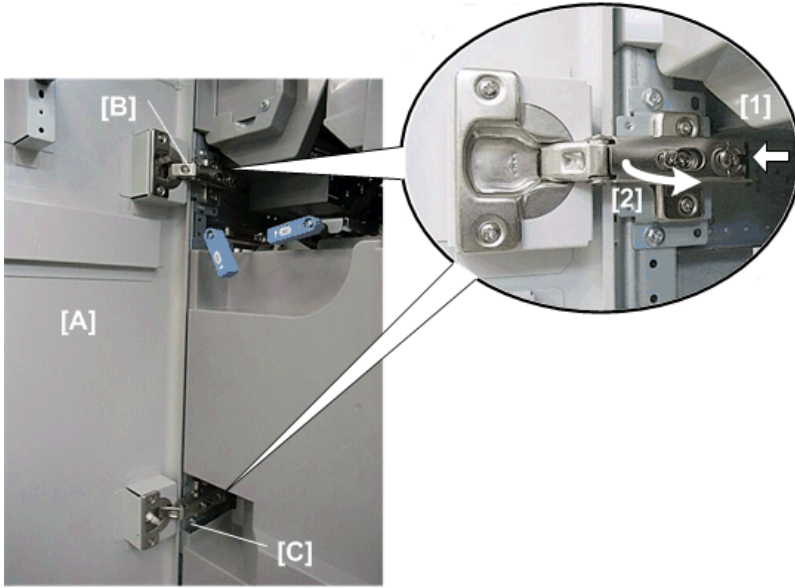
<Front>



d391i313

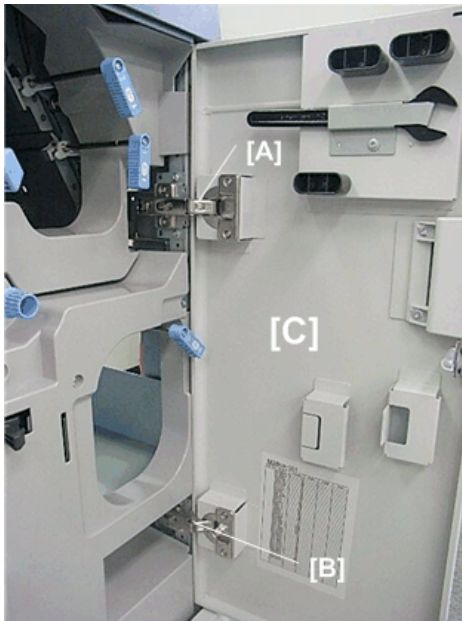
7. On the left door [A], remove the top hinge [B] and bottom hinge [C].

- While holding the left front door with one hand, behind the top hinge [B], push the black lever [1] in the direction of the arrow to release the top hinge.
- Swing the top hinge [2] out slightly.
- While still supporting the left door with one hand, repeat the procedure to remove the bottom hinge [C].
- Remove the left door [A].



d391i314

8. Repeat Step 2 to remove the top hinge [A] and bottom hinge [B] then remove the right front door [C]. (You may have to lower lever Mk11 so you can remove the right door.)

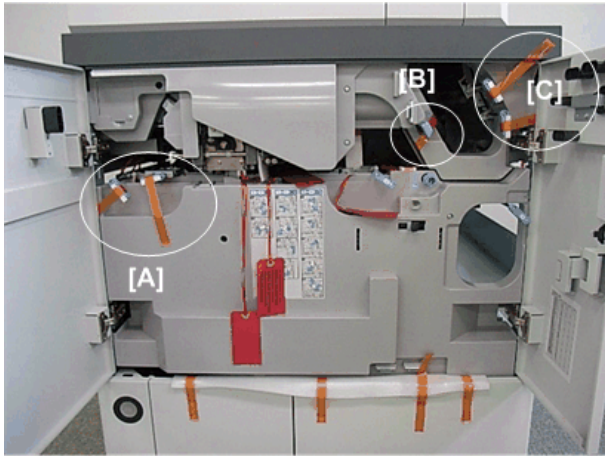


d391i315

9. Remove the strips of tape, and cushions from the jam release levers (x5):

- [A] Mk7, Mk8
- [B] Mk12

- [C] Mk13, Mk14



d391i316

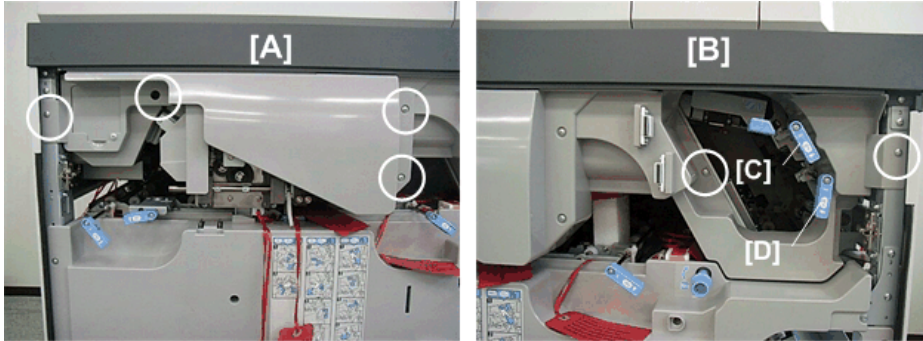
10. Raise lever Mk12 [A].



d391i317

11. Remove the screws of the upper inner cover on the left side [A] and right side [B]. (🔩×6)

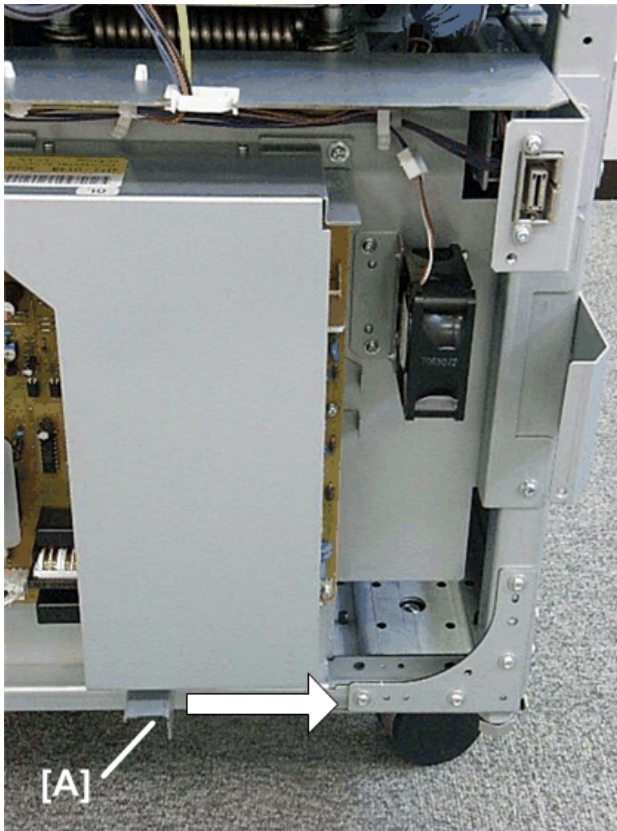
12. Release jam release levers [C] and [D], then hold them in the released position as you remove the upper inner cover.



d391i318

13. At the left rear corner, push the book stack release lever [A] completely to the right to release the book stacking tray.

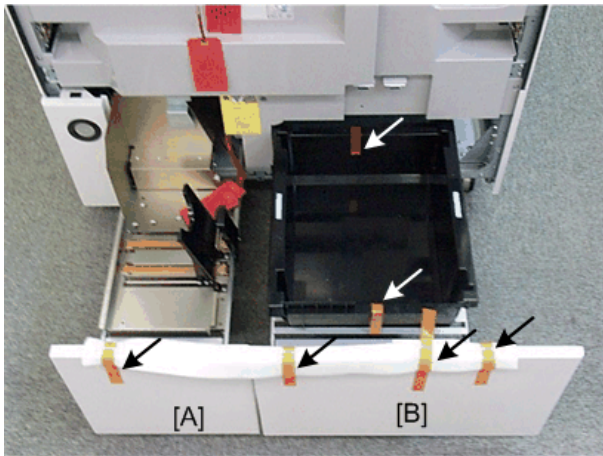
<Rear>



d391i319

14. Pull out the book stacking tray [A] and trimmings box [B] together.

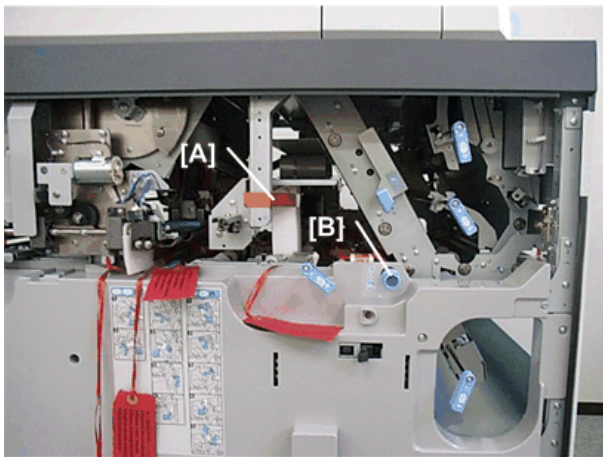
15. Remove the strips of tape and cushions shown below.



d391i320

16. Remove:

- [A] Tape, cushion
- [B] Jam clear knob Mk10



d391i321

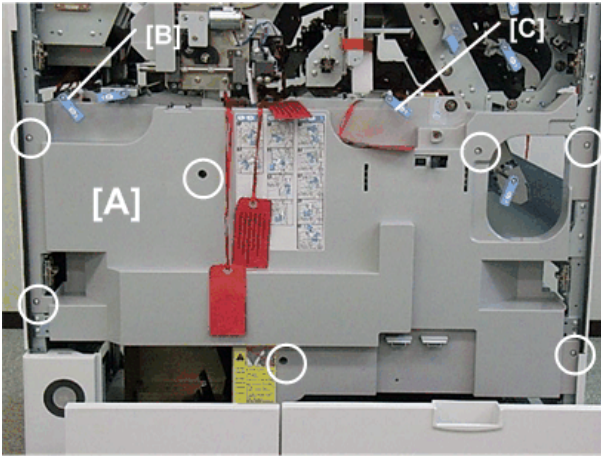
★ Important

- Mk10 must be reattached at the end of installation.

17. Remove the screws of the lower inner cover [A]. (🔩×7)

18. Raise the jam clear levers [B] and [C] as you remove the cover [A].

19. Return the jam clear levers [B] and [C] to their original positions.

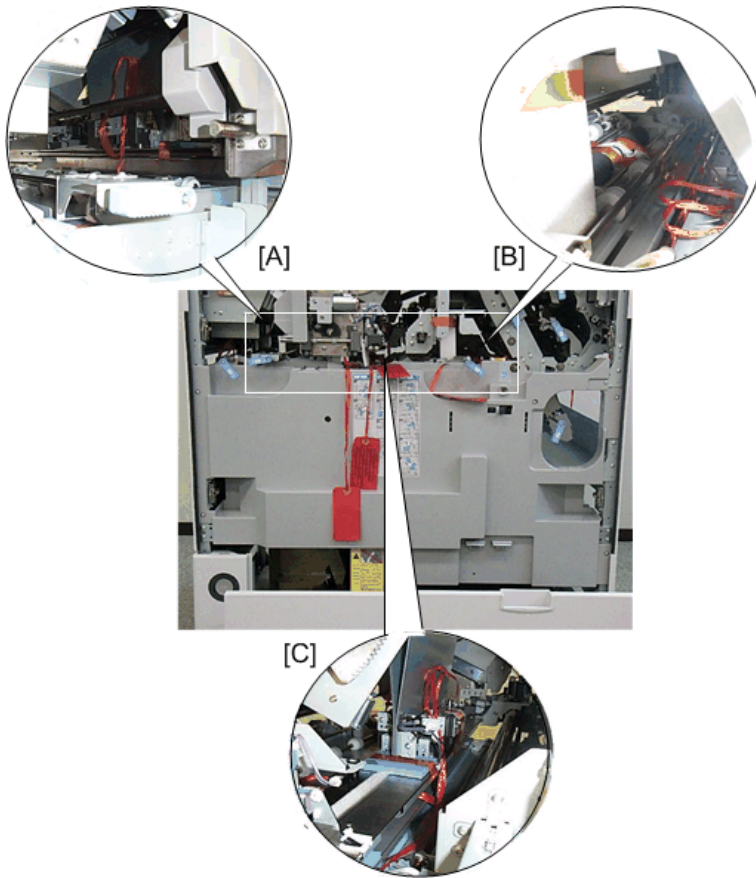


d391i322

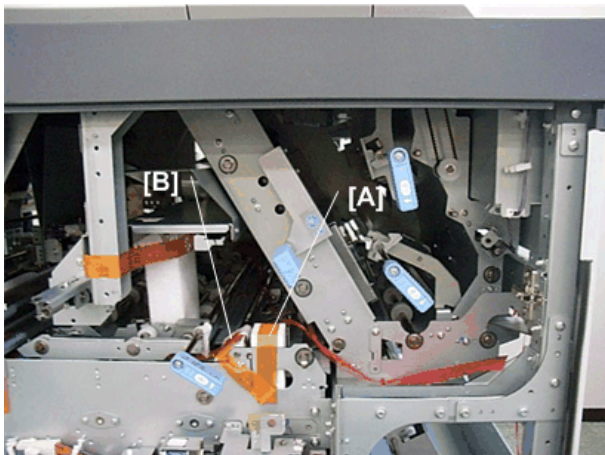
Main Grip, Cover Transport Tape, Braces, etc.

1. Remove the strips of tape and cushions from the horizontal transport unit at the left [A], right [B], and center [C].

<Front>

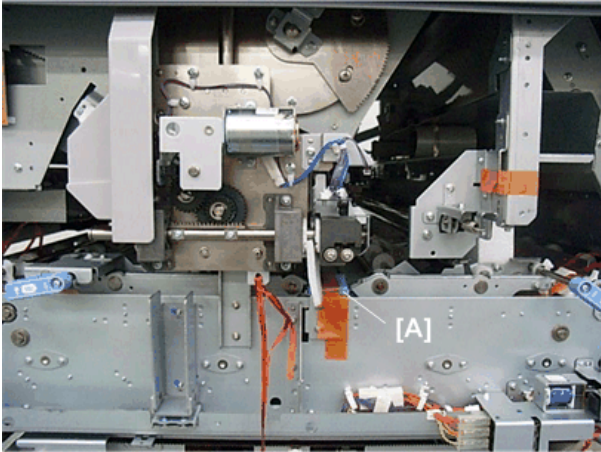


2. Remove tape [A] with tag.
3. Slide the registration unit to the rear then remove tape, cushion [B].



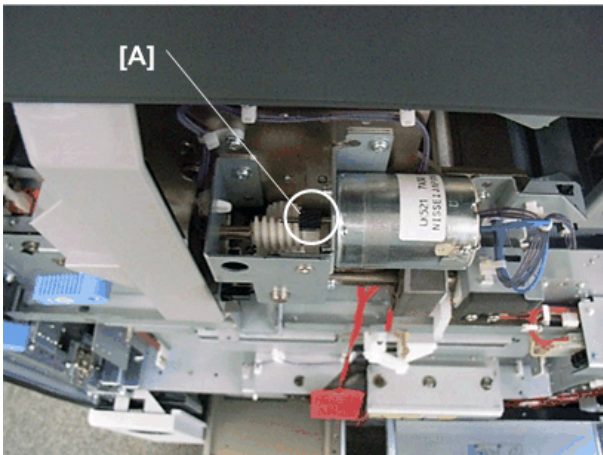
d391i324

4. Remove cushion [A] shown below.



d391i325

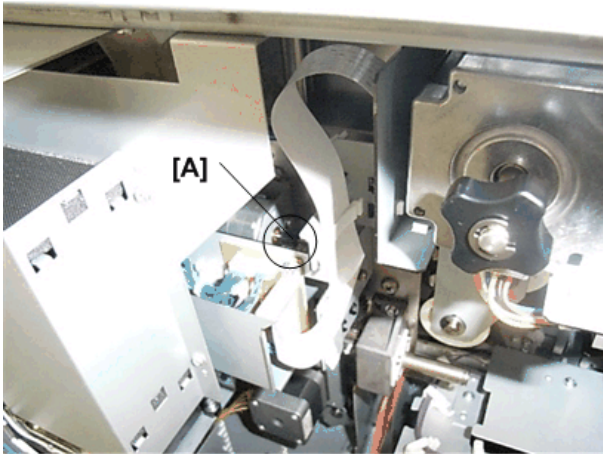
- First, at the front, rotate the grip motor pulley [A] counter-clockwise about 3 mm to release the pressure on the cushion.



d391i326

★ Important

- Rotate the pulley only enough to release the cushion.
- Second, at the rear, manually rotate the grip motor pulley [A] counter-clockwise about 3 mm to release the pressure on the cushion.



d391i327

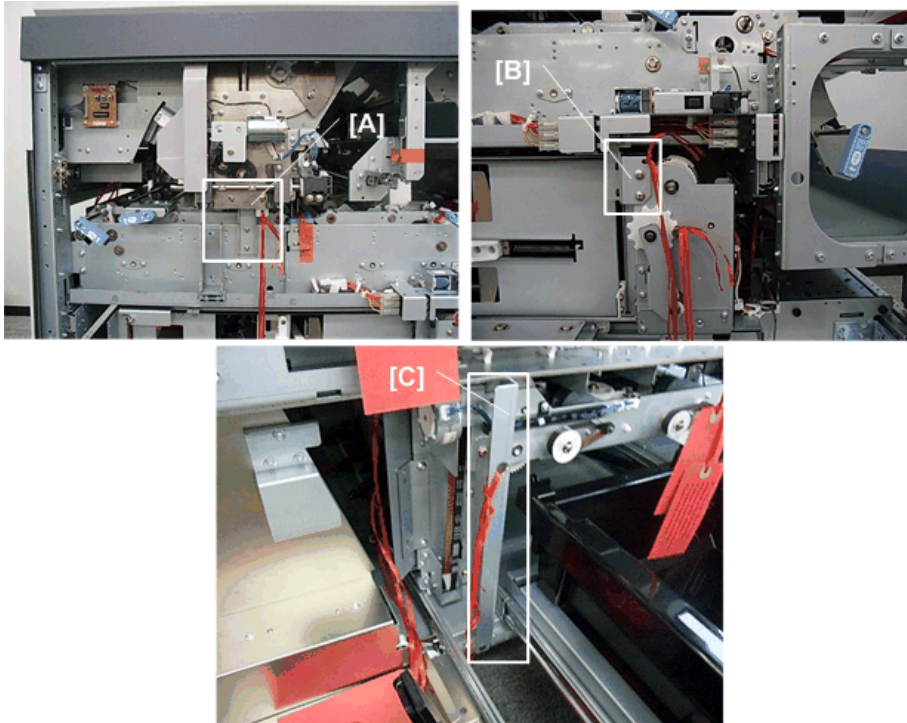
★ Important

- Rotate the pulley until the gap is about 18 mm (no wider).
- To prevent changing the correct value (15 mm), do not make this gap wider than 18 mm.

5. Remove the cushion at the front.

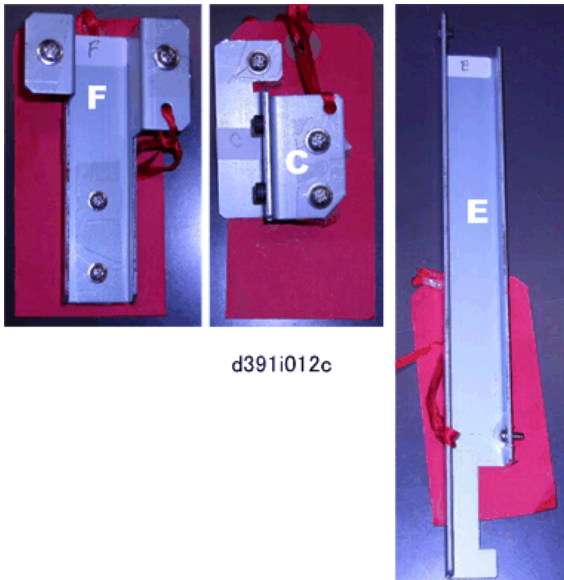
Remove:

- [A] Brace, tag (🔩×4)
- [B] Brace, tag (🔩×3)
- [C] Brace, tag (🔩×2)



d391i328

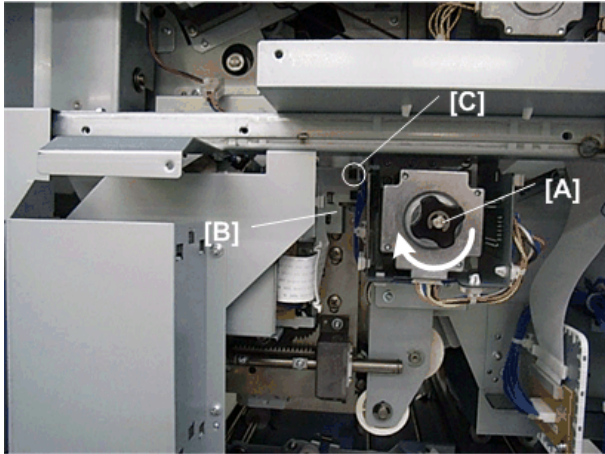
6. Mark the braces "F", "C", "E" as shown.



d391i012c

7. Rotate knob [A] in the direction of the arrow to raise the grip unit until the actuator [B] reaches sensor [C].

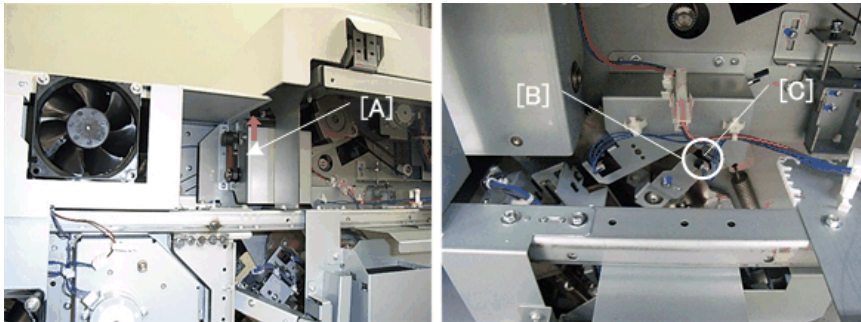
<Rear>



d391i329

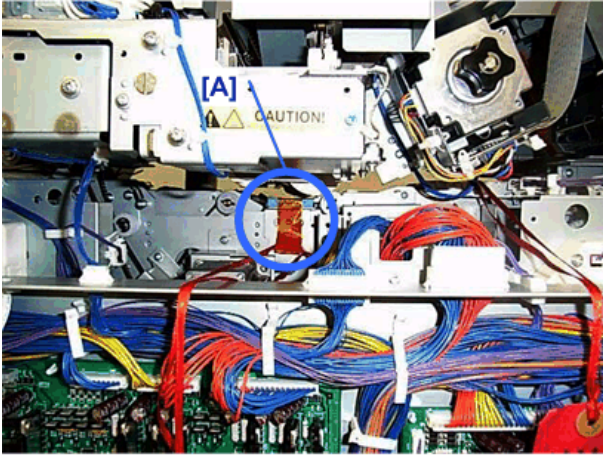
8. Push up the right side of the timing belt [A] to rotate the gear counter-clockwise until the actuator [B] reaches sensor [C].

<Rear>



d391i330

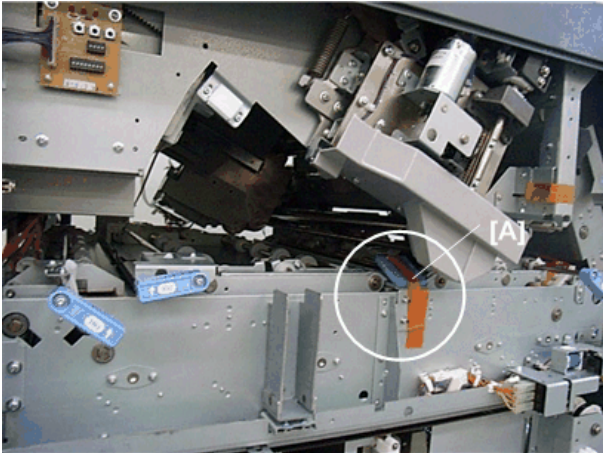
9. At the rear remove the tape and cushions [A].



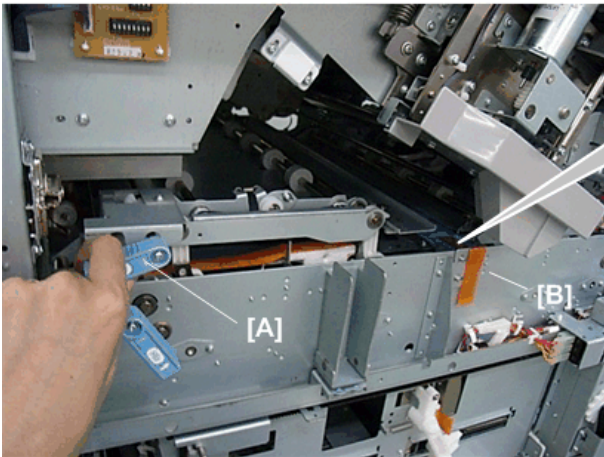
d391i331

10. At the front remove the tape and cushion [A].

<Front>

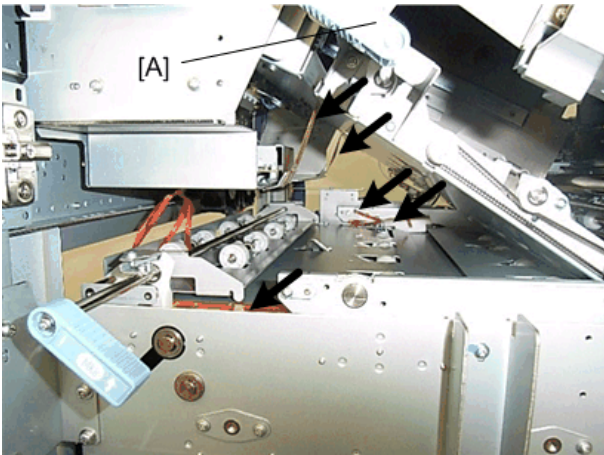


11. Lift and push Mk7 [A] to the left and remove the tape and cushion [B].



d381i333

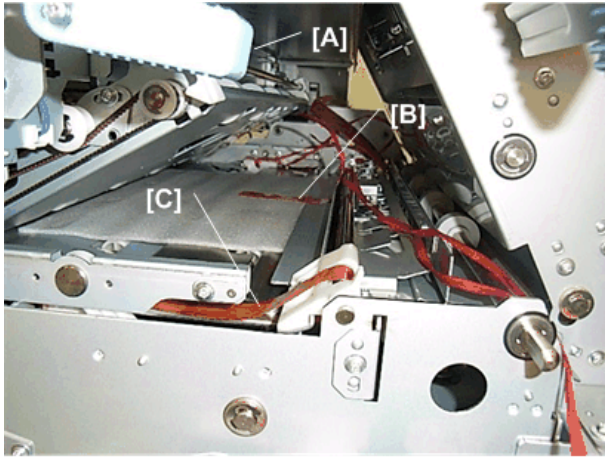
12. Raise lever Mk7 [A].
13. Remove all strips of tape and cushions.



d391i334

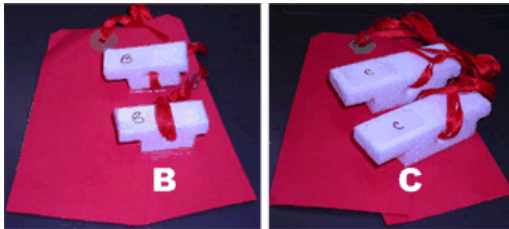
14. Return Mk7 to its original position.
15. Raise Mk9 [A].

16. Remove the long strips of tape [B] and [C].



d391i335

17. Label the small cushions "B" and the large cushions "C".



d391i014c

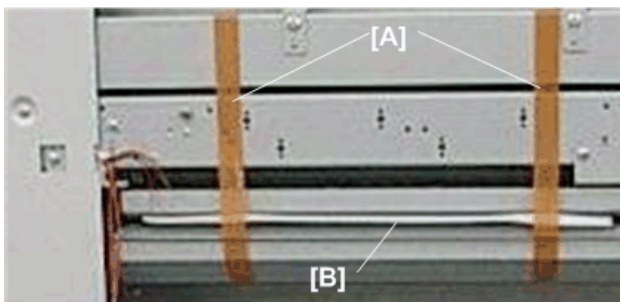
18. Remove the two strips of tape [A].

19. At the front lower lever Mk8.

20. Remove the cushion [B].

21. Return lever Mk8 to its original position.

<Right Side>

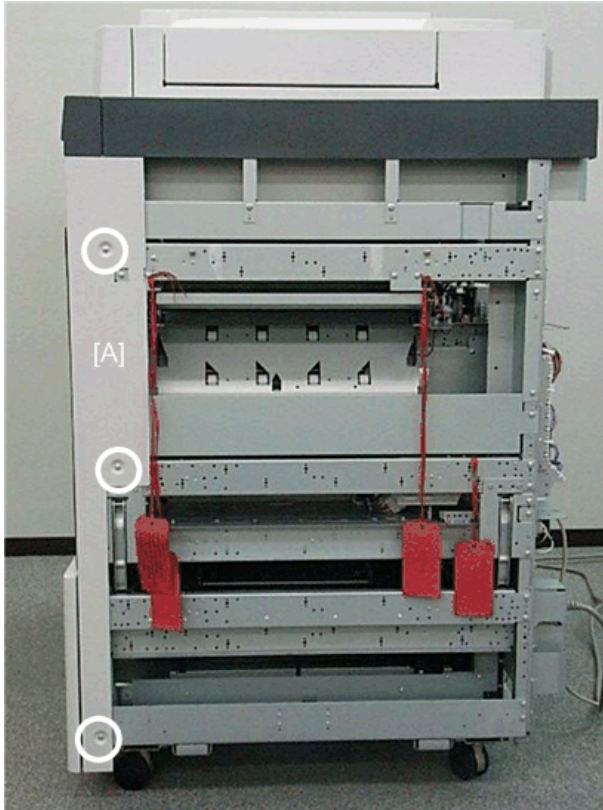


d391i336

Trimming Unit Tape

1. Remove front right corner cover [A]. (⚙️×3)

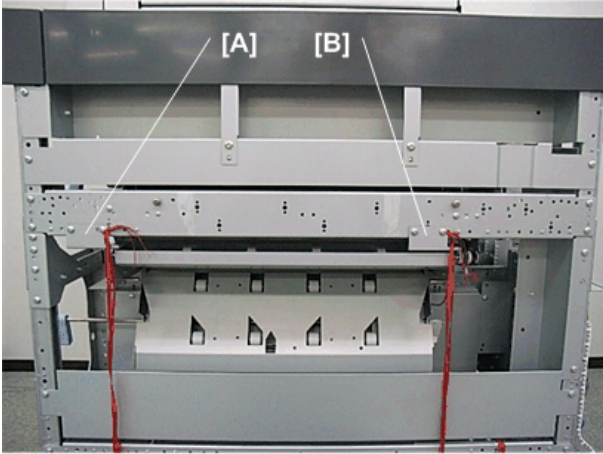
<Right side>



d391i337

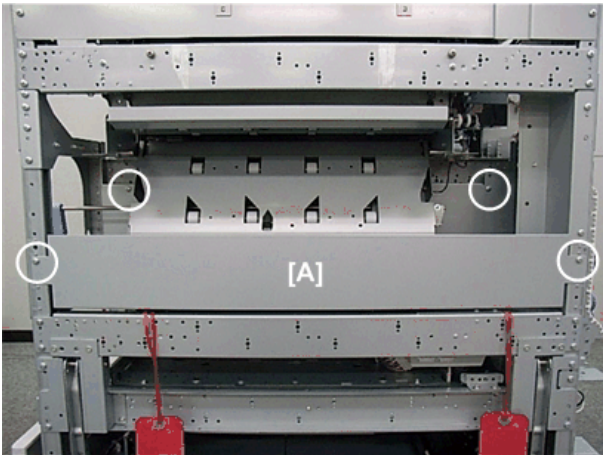
2. Remove:

- [A] Brace, tag (⚙️×3)
- [B] Brace, tag (⚙️×3)



d391i338

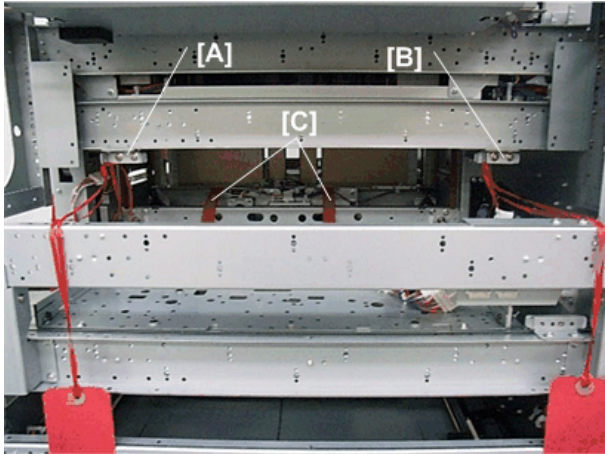
3. Remove delivery bracket [A]. (🔩×4)



d391i339

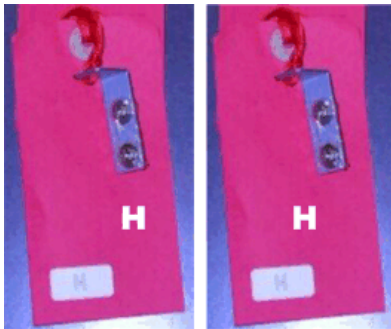
4. Remove:

- [A] Brace, tag (🔩×2)
- [B] Brace, tag (🔩×2)
- [C] Long tapes (🔩×2)



d391i340

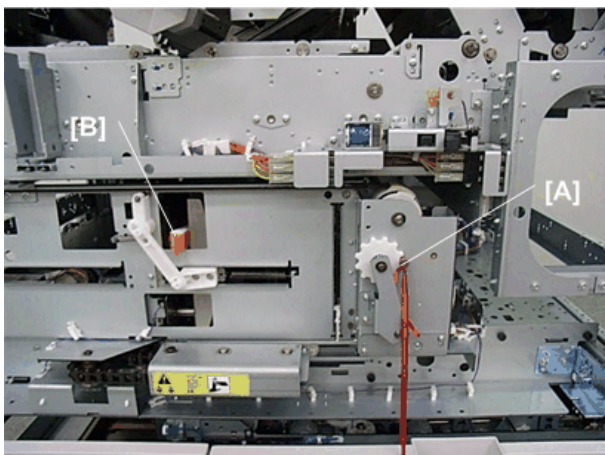
5. Label both braces "H".



d391i015d

6. Remove stepped screw, tag [A]. (⊙×1)

<Front>

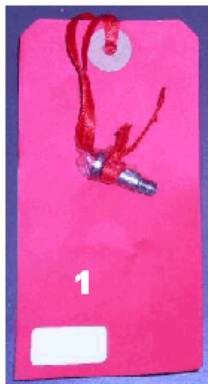


d391i341

★ Important

- Cushion [B] is firmly clamped in place and must be released before it can be removed.

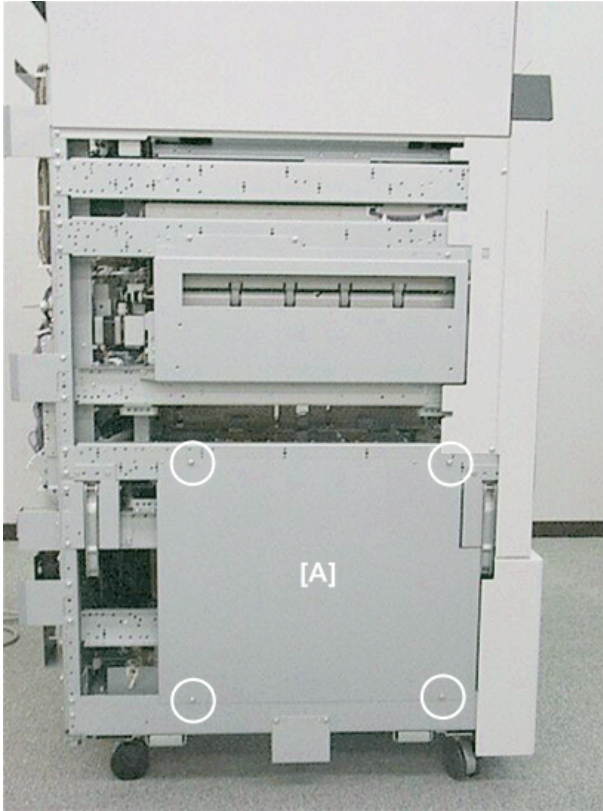
7. Mark the stepped screw "1".



d391i015e

8. To remove cushion [B] in Step 6:

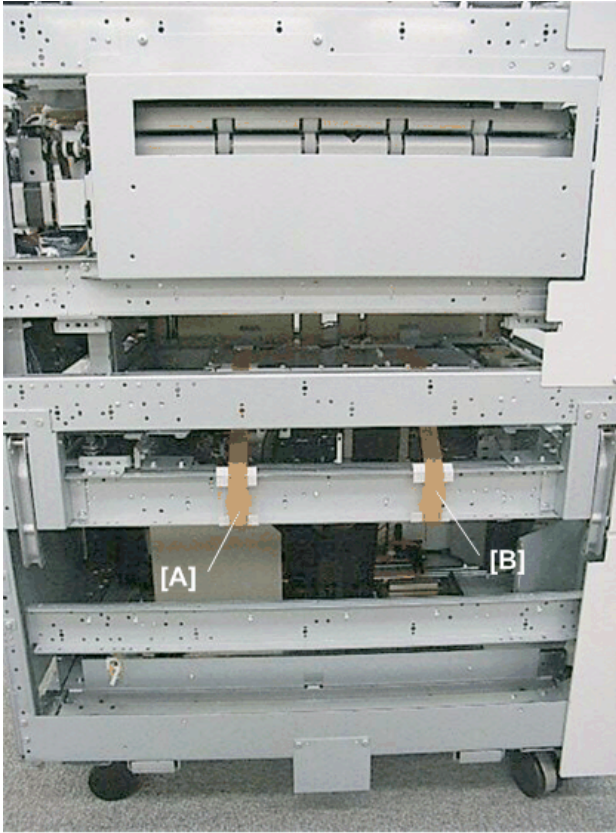
- Remove left flat panel [A] from the left side. (🔩×4)



d391i342

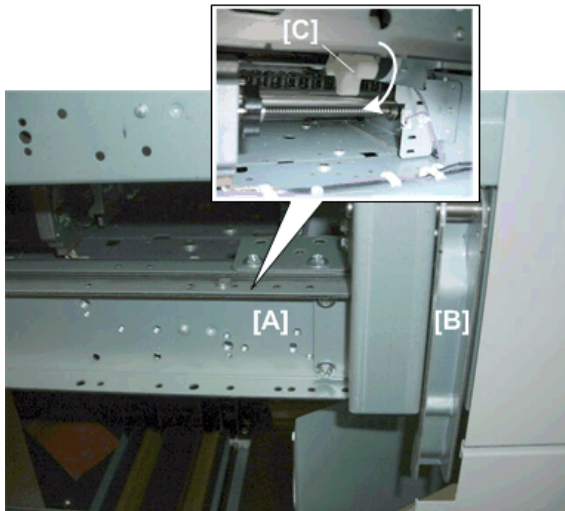
- Remove tape, cushions [A] and [B].

2



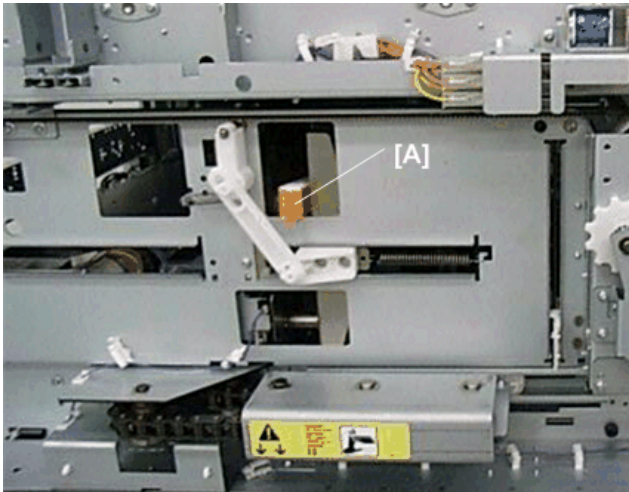
d391i343

- On the front left corner, behind the brace [A] near the carrying handle [B], rotate the white knob [C] to release the clamped cushion. (One full rotation should be enough to release the cushion.)



d391i344

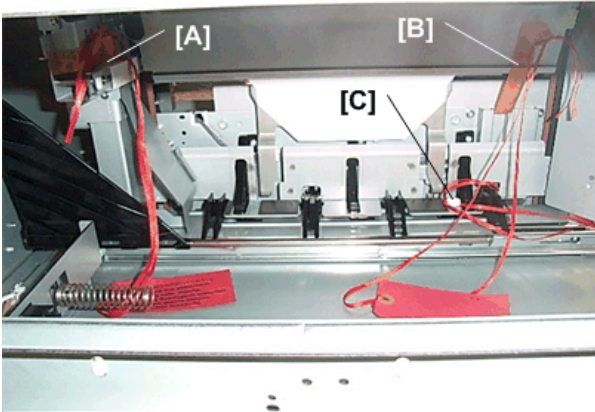
- Remove cushion [A] from the front side.



d391i345

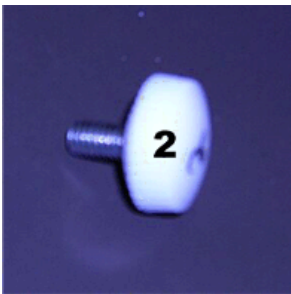
Book Stacking Tray Tape

1. Pull out the book stacking delivery tray trimmings box drawer.
2. Remove:
 - [A] Tape, tag
 - [B] Tape tag
 - [C] Knurled head screw (🔩 ×1). Remove with fingers.



d391i346

3. Label the screw "2".

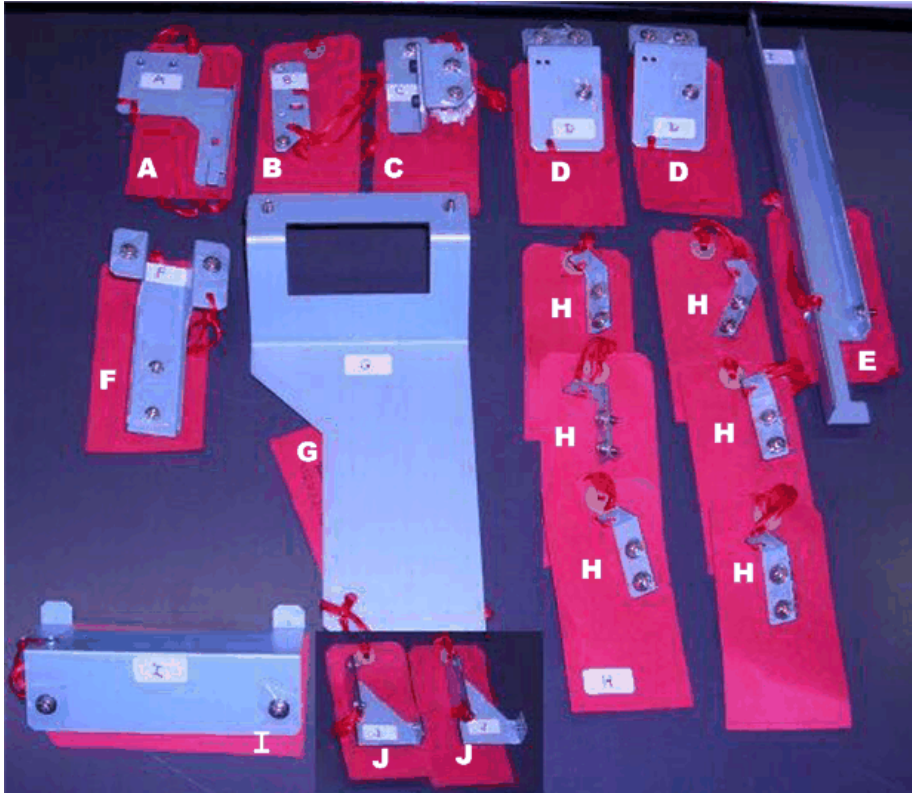


d391i016d

Confirming Removal, and Storing Braces, Cushions, Screws

1. Visually inspect the machine and confirm that all braces, screws, and cushions with red tags have been removed and marked for storage.

Braces



d391i016f

Mark	Item	Quantity
A	Brace A	1
B	Brace B	1
C	Brace C	1
D	Brace D	2
E	Brace E	1
F	Brace F	1
G	Brace G	1
H	Brace H	6
I	Brace I	1
J	Brace J	2

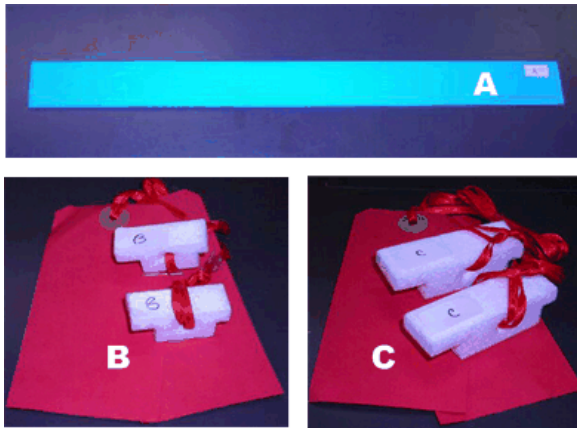
Screws



d391i016g

Mark	Item	Quantity
1	Step Screw	1
2	Plastic-head Screw	1

Cushions



d391i016f

Mark	Item	Quantity
A	Cushion A (Long)	1
B	Cushions B (Short)	2

C	Cushions C (Long)	2
---	-------------------	---

2. All of these items should be retained. Some of these items must be reattached if the bookbinder is moved to a new location. For more details, please refer to page 492 "Setting the Bookbinder for Moving".

Check List

2

Confirm that the following parts have been reinstalled:



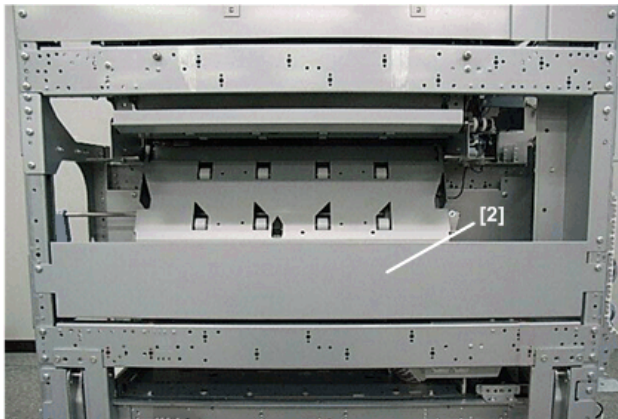
d391i820

[1] Left flat panel

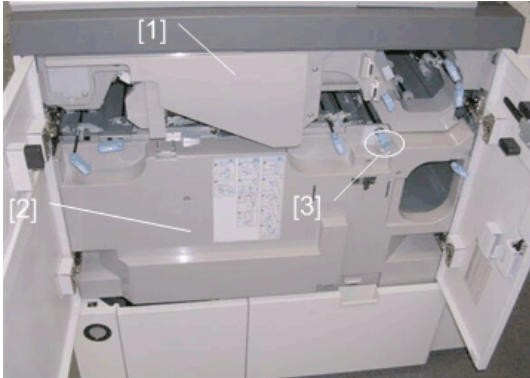


d391i821

[1] Right corner cover



[2] Delivery bracket



d391i822

- [1] Front inner cover (upper)
- [2] Front inner cover (lower)
- [3] Knob Mk10



d391i823

- [1] Rear cover (upper)
- [2] Rear cover (lower)

★ Important

- To protect the boards from damage due to accidental short circuiting as result of contact with a metal tool, the rear lower cover should never remain off longer than necessary.

Docking the Bookbinder

Refer to page 511 "Transit Pass Unit Type S1 (D736)".

Filling Bookbinder Glue Supply Unit

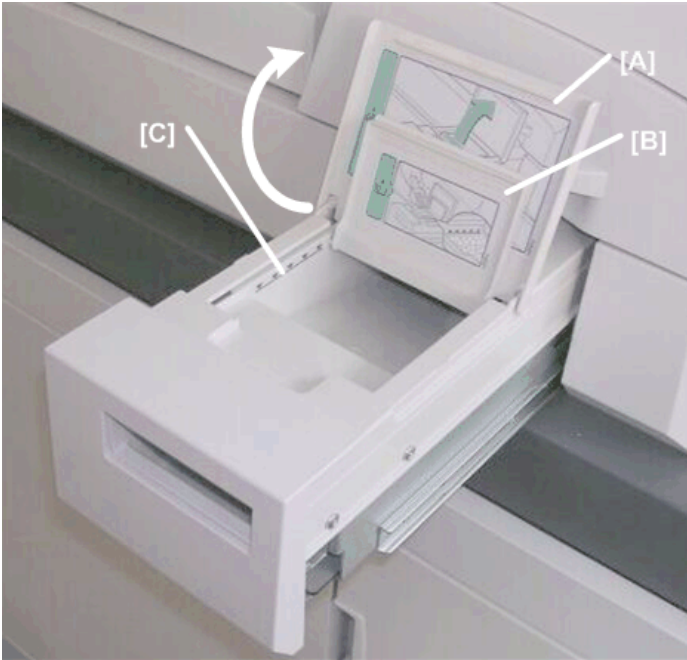
1. Pull out the glue supply drawer until it stops.



d391i514

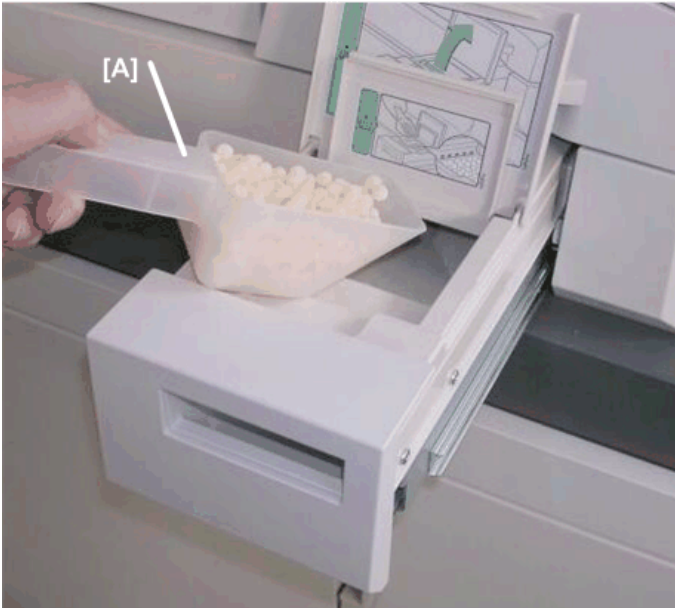
2. Raise the two covers [A] and [B].

3. Note the load limit marks [C] inside the drawer on both sides.



d391i515

4. Use the scoop [A] to fill the bin with glue pellets as far as the load limit marks on both sides of the drawer.



d391i156

★ Important

- Two scoops (about 380 g each) should be sufficient.

5. Close both covers.
6. Push in the glue supply drawer.

Handling and Storing the Glue Pellet Supply

2

Exercise precaution when choosing a location for storing the glue pellets.

- Store the pellets where they will not be exposed to direct sunlight.
- The storage location should be within this temperature range: -20°C to 40°C.
- Never expose pellets to direct flame.
- Keep the pellets out of the reach of small children. If pellets are accidentally ingested, contact a physician immediately.
- Never dispose of pellets by incinerating them. Obey local laws and regulations that restrict disposal of such items.

When using the glue pellets:

- Use only glue pellets recommended for use with this bookbinder.
- Before the start of a job, press the glue warm-up button on the right front corner of the bookbinder to start heating the glue.
- Never fill the glue pellet supply drawer higher than the load limit marks shown on both sides of the drawer.

Testing the Breaker Switch

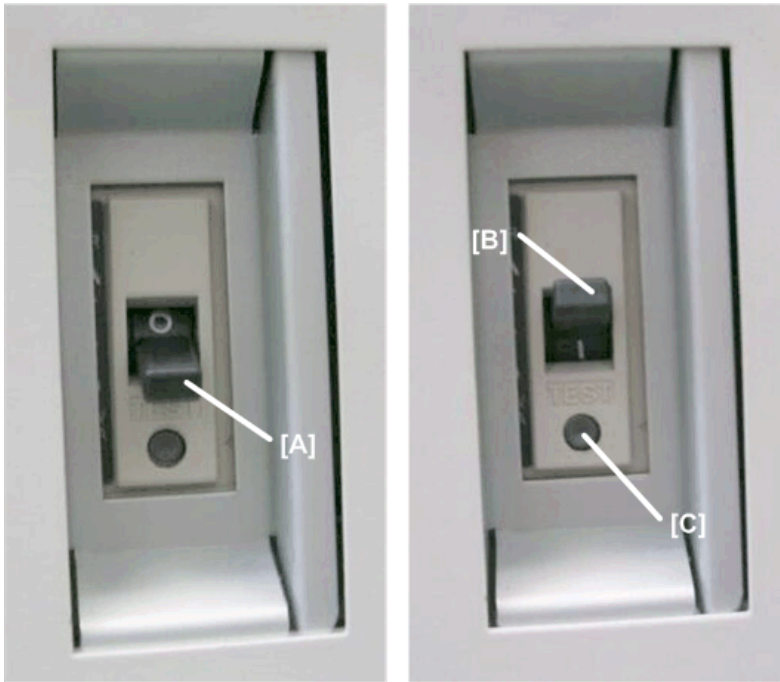
1. Turn off the host machine.

★ Important

- The power supply to the bookbinder must be off.
2. Plug the bookbinder power cord into its power source.
 3. Locate the breaker switch [A] at the right lower corner of the machine below the power cord.
 4. Raise the breaker switch [B] so you can see the "|" under the switch. This is the ON position. (Ignore this step if the breaker switch is already at the "|" position.)
 5. Use the tip of a small screwdriver to push the breaker test button [C].

The breaker switch should flip to the "O" (OFF) position. This indicates that the breaker switch is operating normally.

If the breaker switch does not flip to the "O" position, the switch must be replaced.



d391i517

6. Reset the switch to the "I" (ON) position for normal operation.

★ Important

- The bookbinder will not turn on if the breaker switch is not reset to the "I" position.

Final Check

1. Connect the power cord of the main machine to its power source.
2. Connect the power cord of the bookbinder to its power source.
3. Turn on the host machine.

Setting the Bookbinder for Moving

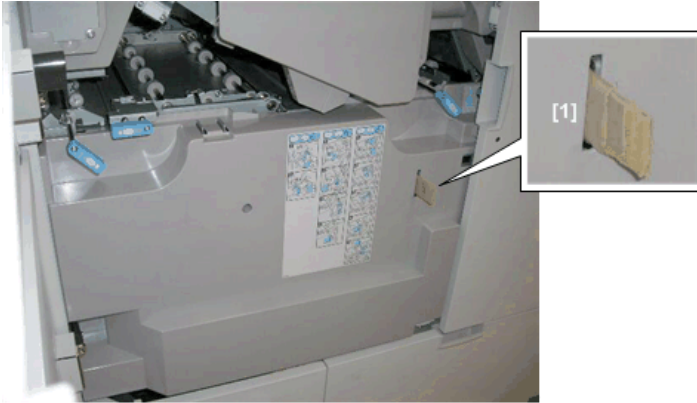
Do this procedure to move the internal units to their home positions before moving the machine.

★ Important

- This procedure must be done before reattaching any braces to the perfect binder.

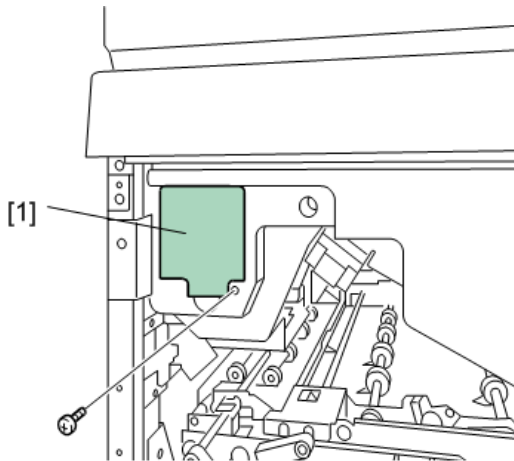
1. Switch the host machine off.
2. Open the right and left front door.

3. Close the right door.
4. Insert piece of cardboard or folded piece of paper into the slot [1] of the left door switch.



d391r951

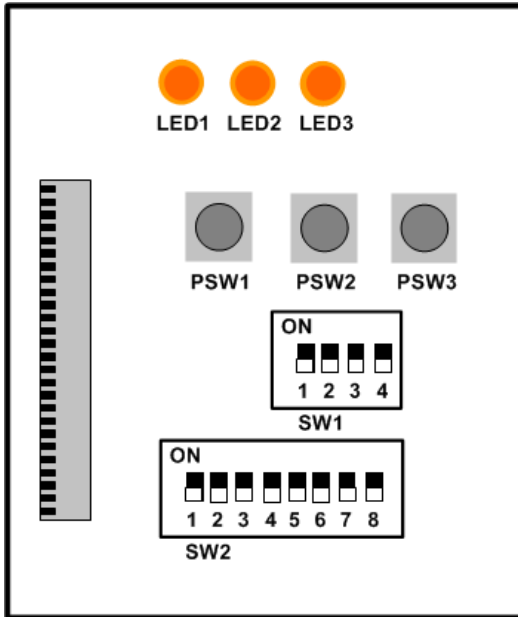
5. Remove the service board cover [1]. (⊖ × 1)



d391r107

6. On the SW1 bank set DIP SW1 to ON.

7. On the SW2 bank set DIP SWs 1, 2, 4, 7 to ON.



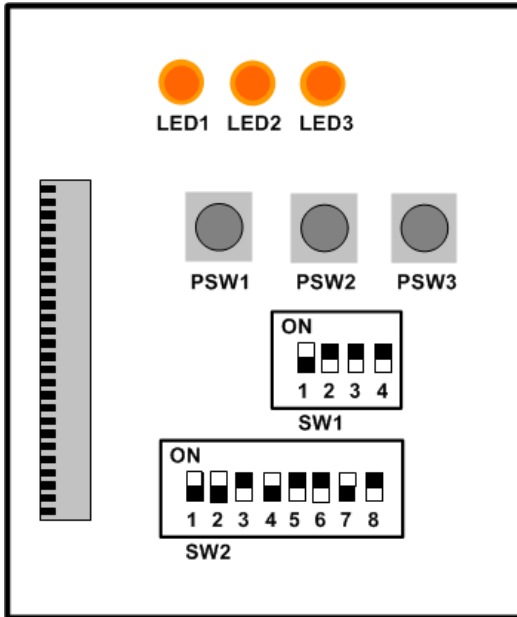
d391r952

8. Turn the host machine on.

⚠ CAUTION

- Wait about 30 sec.
- Make sure that you hands and tools are well clear of the parts inside the machine.

9. Slowly push [PSW1] 11 times.



d391r953

- Each push on the [PSW1] moves a unit to its shipping position (see table below).
- After each push LED2 flashes until the task has been completed. Wait for LED2 to go off before you press [PSW1] again.

No.	Operation	Target Unit
1	<ul style="list-style-type: none"> • Moves the blade cradle to its initial position. • Moves the signature press blade to its END position. • Moves inside the trimming unit. • Opens the rotation guide plate. • Lowers the slide to mechanical stopper. 	Trimming Unit (This requires more time. Wait for LED2 to go OFF before pressing [PSW1] again.)
2	Closes the rotation guide plate.	Cutter Rotation Unit
3	Moves the trimmings buffer into the machine.	Trimmings Unit Cutter
4	Lowers the sub gripper, signature gripper.	Sub Grip Unit
5	Lowers the stacking tray.	Stacking Tray
6	Retracts the right and left cover path guide plates.	Cover Unit
7	Opens the spine fold plate (movable side only)	Cover Unit

No.	Operation	Target Unit
8	Closes the right and left cover path guide plates.	Cover Unit
9	Rotates the main gripper.	Main Grip Unit
10	Lowers the main gripper.	Main Grip Unit
11	Closes the main gripper.	Main Grip Unit

- All three LEDs on the Service Board light after all units have been moved to their shipping positions.

10. Set all the SW1 and SW2 DIP SWs to the down positions.

11. Switch off the host machine.

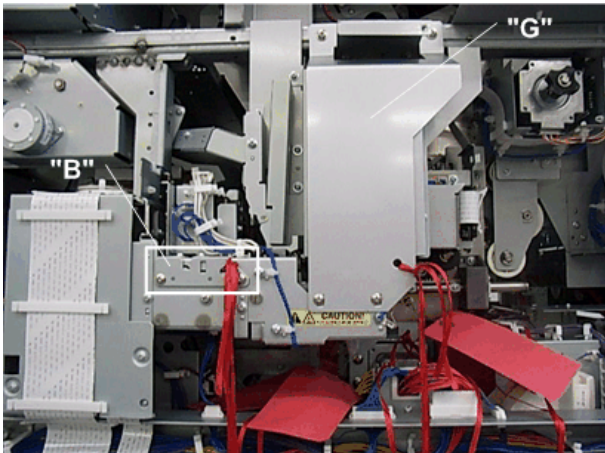
12. After moving the machine to its new location:

- Remove any shipping brackets that have been reattached.
- Connect and turn on the book binder. The internal units will automatically move to their start positions.

Same Floor

If the bookbinder will be moved to another location on the same floor where there are few bumps or ridges (cable protectors, for example), reattach the braces at two locations to stabilize the gluing unit and sub grip unit.

Gluing Unit

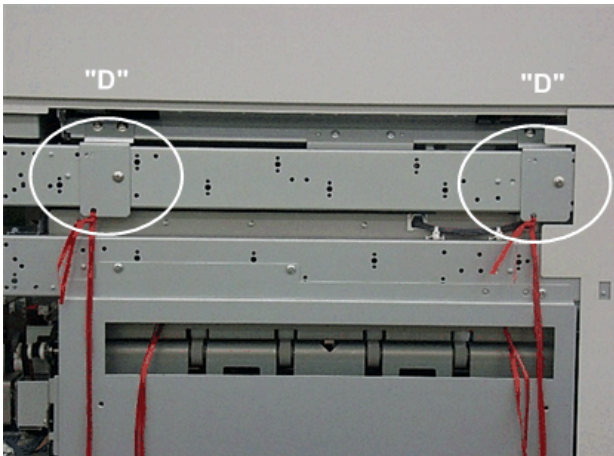


d391i520

Brace	Quantity
Brace "B" (🔩×4)	1
Brace "G" (🔩×4)	1

Sub Grip Unit

2



d391i521

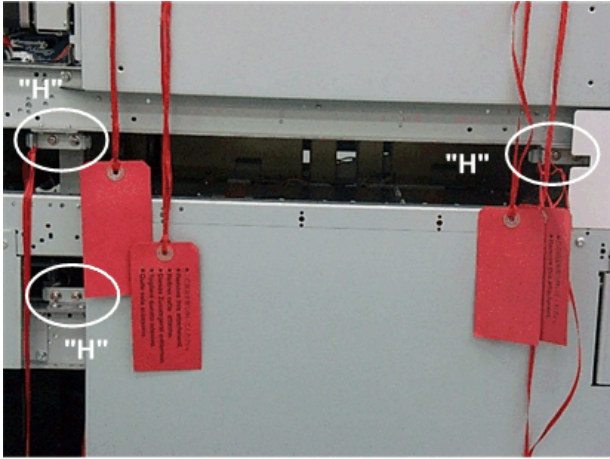
Brace	Quantity
Braces "D" (each 🛠️×3)	2

Another Floor (by Elevator)


If the bookbinder will be moved by elevator to a different floor in the same building attach the braces to stabilize the gluing unit, sub grip unit (described above) and the two additional locations described below.

Left Side (Paper Exit)

2



d391i522

Brace	Quantity
Braces "H" (each  ×2)	3

Right Side (Paper Entrance)



d391i523

Brace	Quantity
Brace "H" (🔩×2)	1

Shipping the Bookbinder

Follow the installation instructions in reverse and reattach as many of the braces and cushions as possible.

- Use the Service Board DIP SWs to set the components inside the machine to their correct moving positions before you reattach any braces. (See procedure above.)
- Make sure the braces are fastened with their screws and clearly marked for removal with the original red tags (or improvised tags).
- Do not turn on the bookbinder until you have confirmed that all braces have been removed.
- The book binder is extremely heavy. At least four persons will be needed to move the bookbinder onto its pallet.

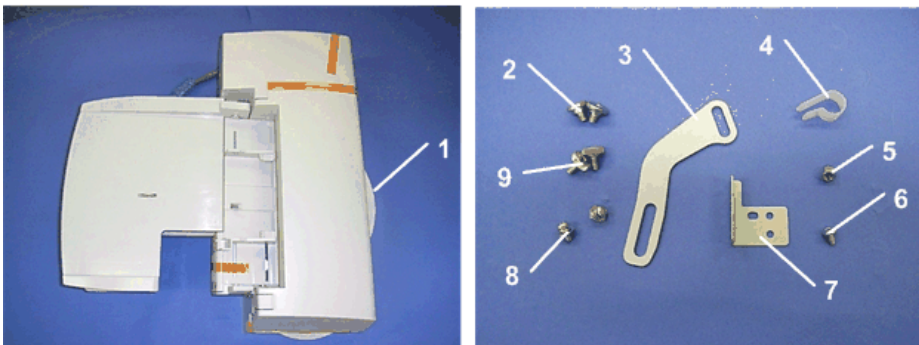
Cover Interposer Tray for Perfect Binder Type S1 (D736)

Insertor Accessories

2

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	Insertor Unit	1
2	Shoulder Screws (M5)	2
3	Limiter Brace	1
4	Clamp	1
5	Cap Nut	1
6	Screw (M4×7)	1
7	Brace	1
8	Screws (M4×8)	2
9	Hinge Lock Screws (M4)	2



d391i300

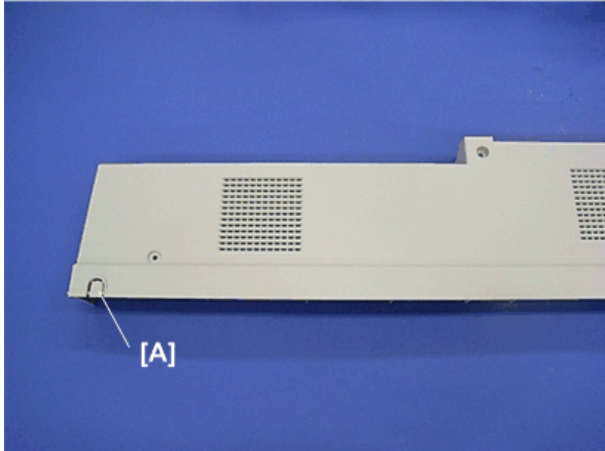
Inserter Installation

Mounting the Inserter

1. Use a pair of nippers to remove the knockout [A] covering the interface cable hole.

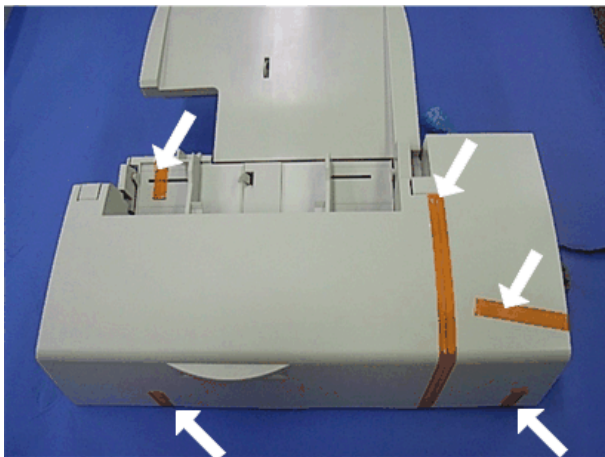
<Bookbinder Rear Upper Cover>

2



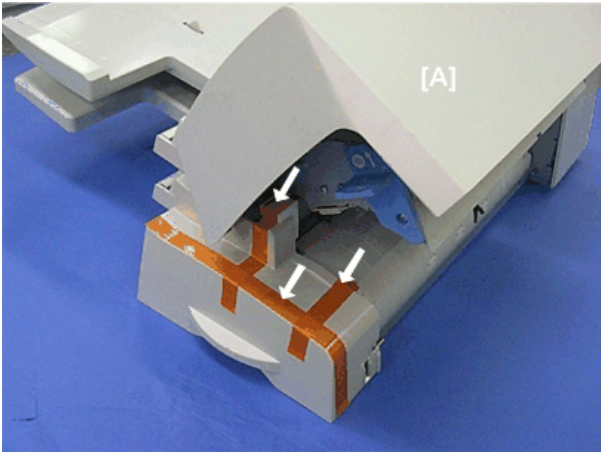
d391i347

2. Smooth the edges of the hole with a knife or file to prevent damage to the interface cable.
3. Remove all visible strips of tape and cushions from the top and sides.



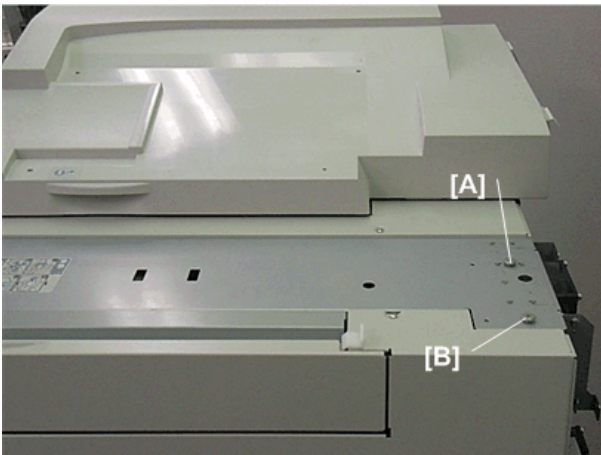
d391i348

4. Open the top cover [A], as well as strips of tape and cushion.



d391i349

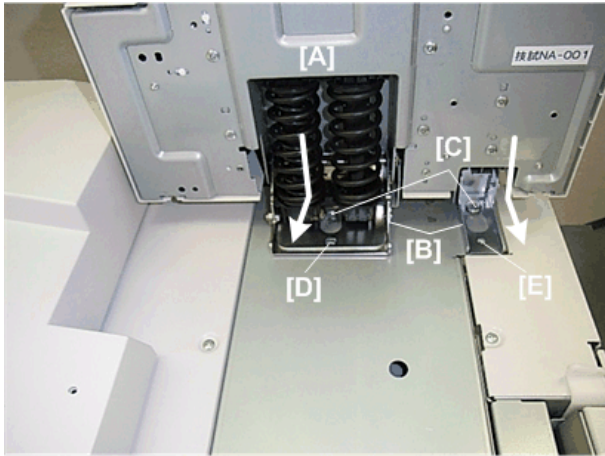
5. Attach the shoulder screws [A] and [B]. (🔩*2: M5)



d391i350

6. Hold the inserter [A] behind the bookbinder.
7. Set the keyholes of the hinge plates [B] over the heads of the shoulder screws [C].
8. Slide the inserter forward so the hinge plates slide under the heads of the shoulder screws.

9. Secure the hinges with the hinge screws [D] and [E]. (🔩×2: M4)



d391i351

10. Slowly lower the inserter onto the top of the bookbinder.
 11. Confirm that positioning pins insert smoothly and completely into holes.

If the positioning pin fits snugly in the hole, no adjustment is necessary.

-or-

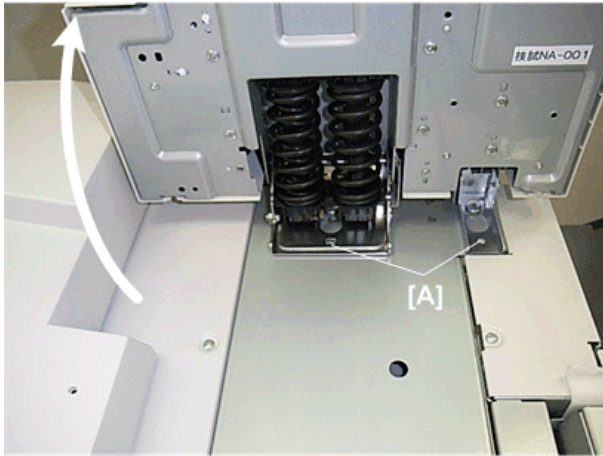
If the pin does not insert completely into the hole, do the adjustment procedure described in the next section.

Adjusting the position of the hinge plate

This procedure is not required if the positioning pin slides freely in and out of the hole when the inserter top cover is lowered and raised. Do this procedure only if the pin does not move freely out and into the hole when the inserter top cover is raised and lowered.

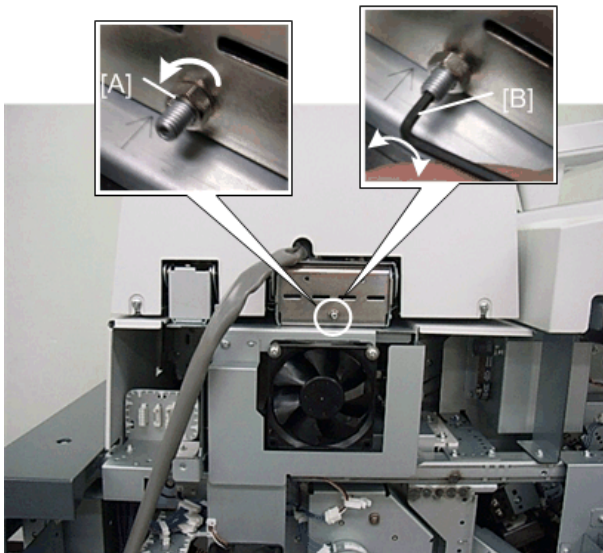
1. Raise the inserter.

2. Loosen (do not remove) hinge screws [A]. (🔩×2: M4)



d391i353

3. Use a small wrench to loosen adjustment screw [A] (Do not remove!).
4. Insert a hex wrench (Allen key) [B] into the tip of the adjustment screw.
- Rotating the screw clockwise moves the inserter to the right.
 - Rotating the screw counter-clockwise moves the inserter to the left.
5. Tighten the hinge screws loosened in Step 1.

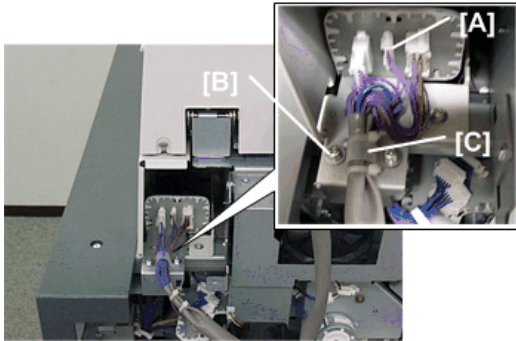


d391i354

6. Lower the inserter again to see if the positioning pin and hole fit snugly.
7. Repeat this procedure until the pin and hole engage and disengage completely and smoothly.

Connecting the Inserter

1. Connect the inserter to the relay panel [A]. (🔌 ×3)
2. Fasten the ground wire [B]. (🔩 ×1: M4 ×8)
3. Wrap the clamp [C] around the harnesses and ground wire.
4. Fasten the clamp. (🔩 ×1: M4×8)



d391i355

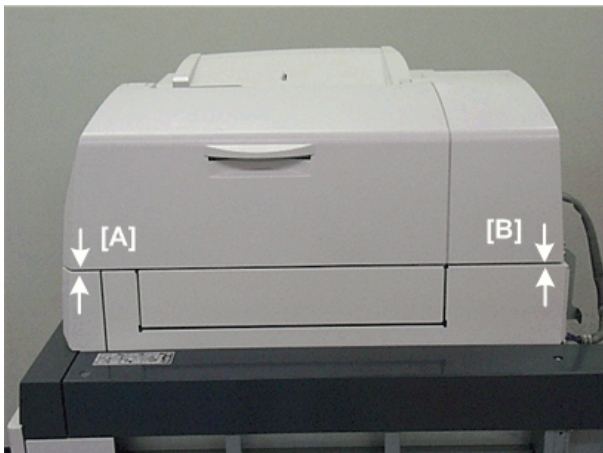
Inserter Gap Measurement

1. Measure the gap between the inserter and bookbinder at [A].
2. Measure the gap between the inserter and bookbinder at [B].
3. Calculate the difference between the two measurements.

If the difference between the measure gaps is less than 1 mm, no adjustment is necessary. Skip the next section.

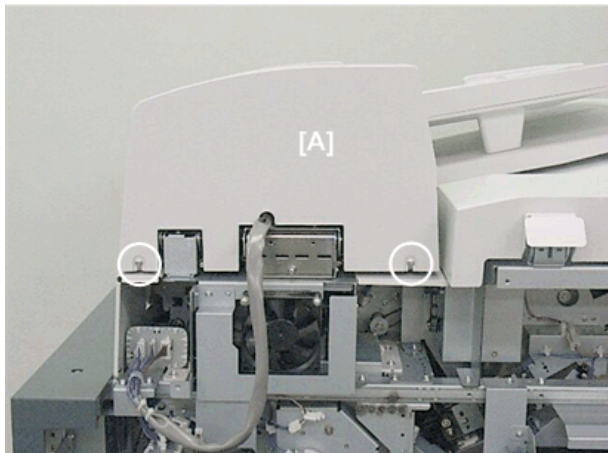
-or-

If the difference is more than 1 mm, you must go to the next section and adjust the height.



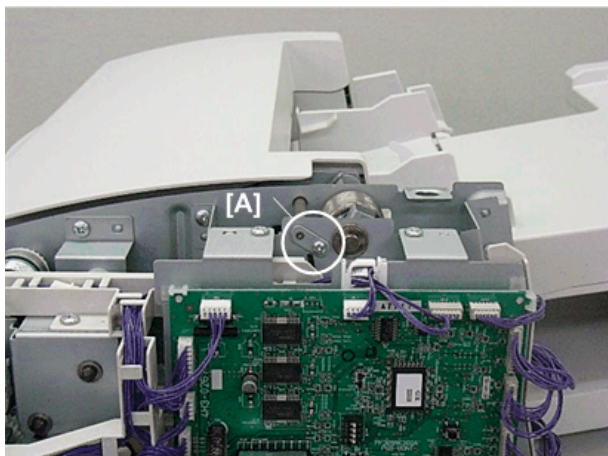
Inserter Gap Adjustment

1. Remove the inserter rear cover [A]. (⚙️ ×2)



d391i357

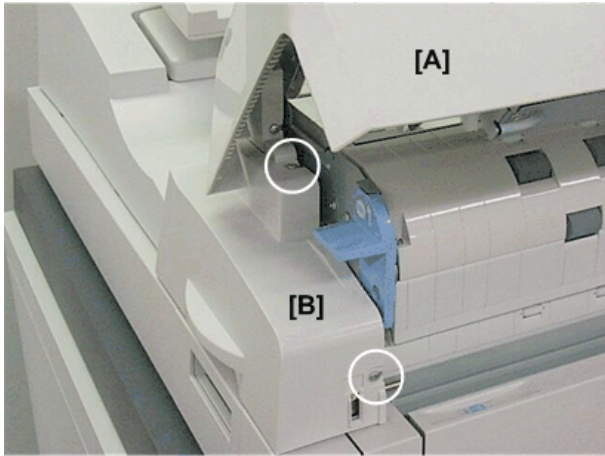
2. Remove the top cover angle adjustment shaft [A]. (⚙️ ×1)



d391i358

3. Open the top cover [A].

4. Remove the front cover [B]. (⚙️ ×2)



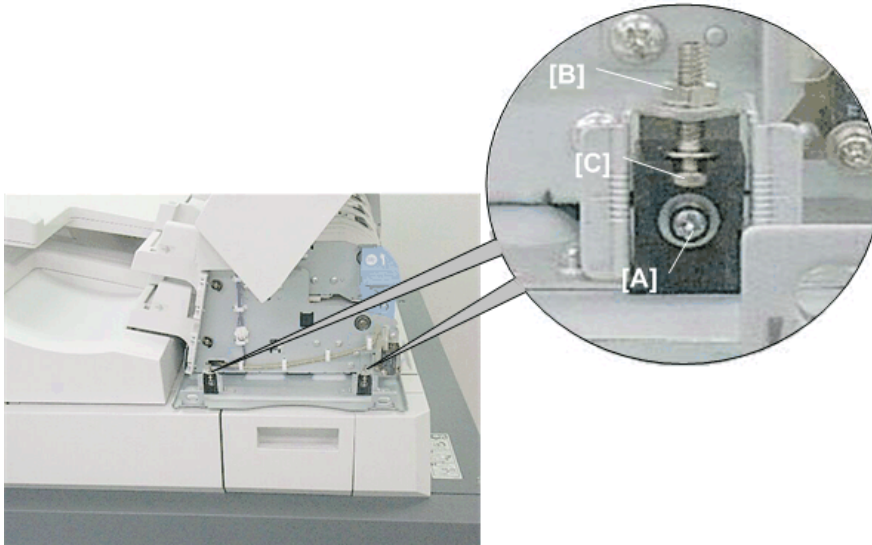
d391i359

5. On the right side of the adjustment mechanism, loosen:

[A] Screw

[B] Hex nut

- With a hex wrench turn adjustment screw [C] to adjust the gap by raising or lower the inserter.
- Turning clockwise raises the inserter.
- Turning counter-clockwise lowers the inserter



d391i360

6. On the left side of the adjustment mechanism, adjust the height of the inserter on the left.
(The procedure is the same as Step 5.)

7. Reattach:

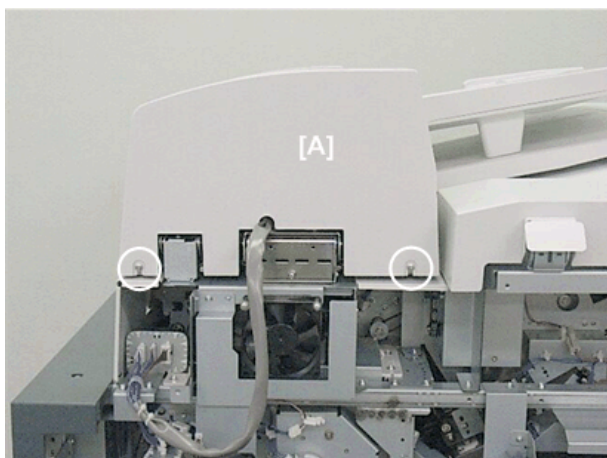
- Inserter front cover (🔩×2)
- Top cover angle adjustment shaft (🔩×1)

Inserter Limiter Brace

2

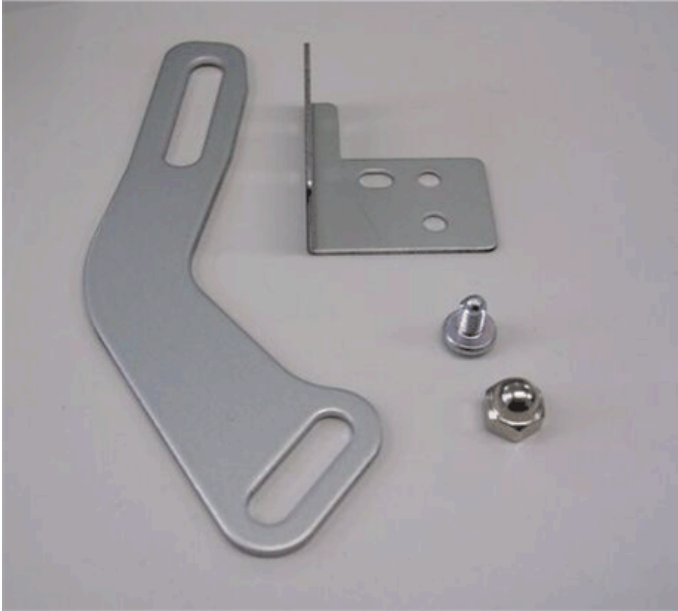
The limiter brace limits the movement of the inserter unit when it is opened.

1. If the rear cover [A] is attached, remove it. (🔩×2)



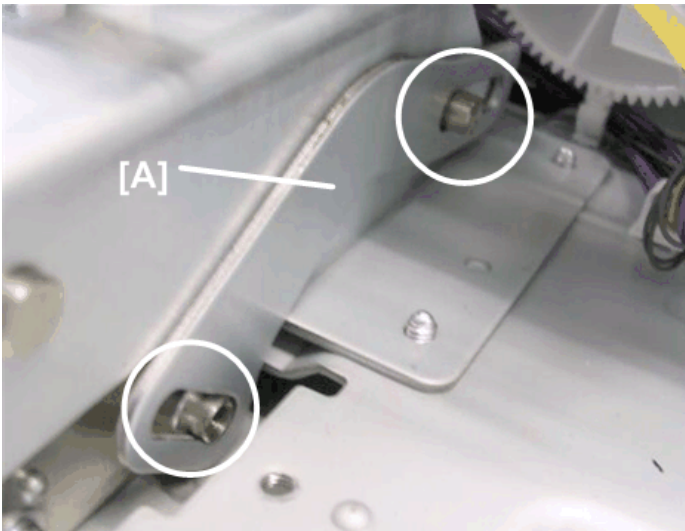
d391i357

2. Retrieve the items shown below from the relay unit accessories.



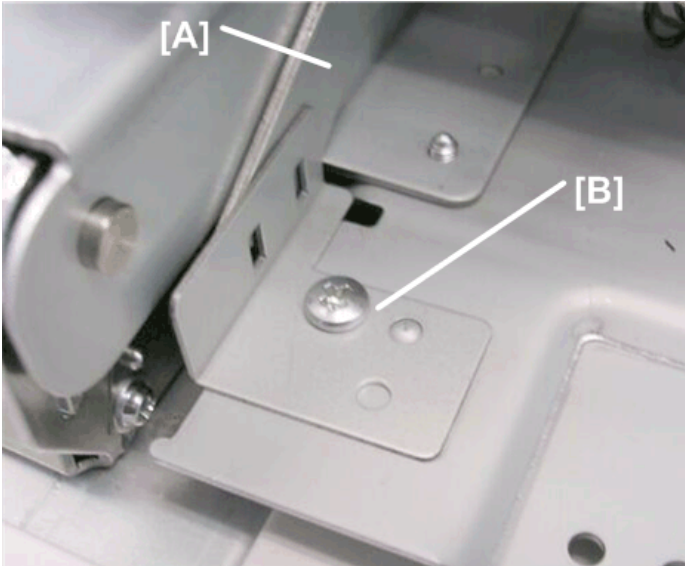
d391i524

3. Set the limiter brace [A] on the two posts (front and back).



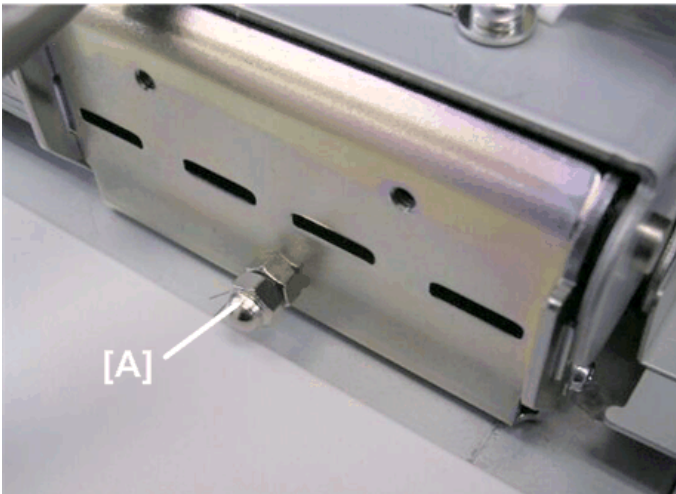
d391i525

4. While holding the limiter brace [A] upright so it does not slip off its posts, attach brace [B]. (🔩×1: 4×7) (Make sure that this screw is tight.)



d391i526

5. Attach cap nut [A] to the exposed threads of the screw.



d391i527

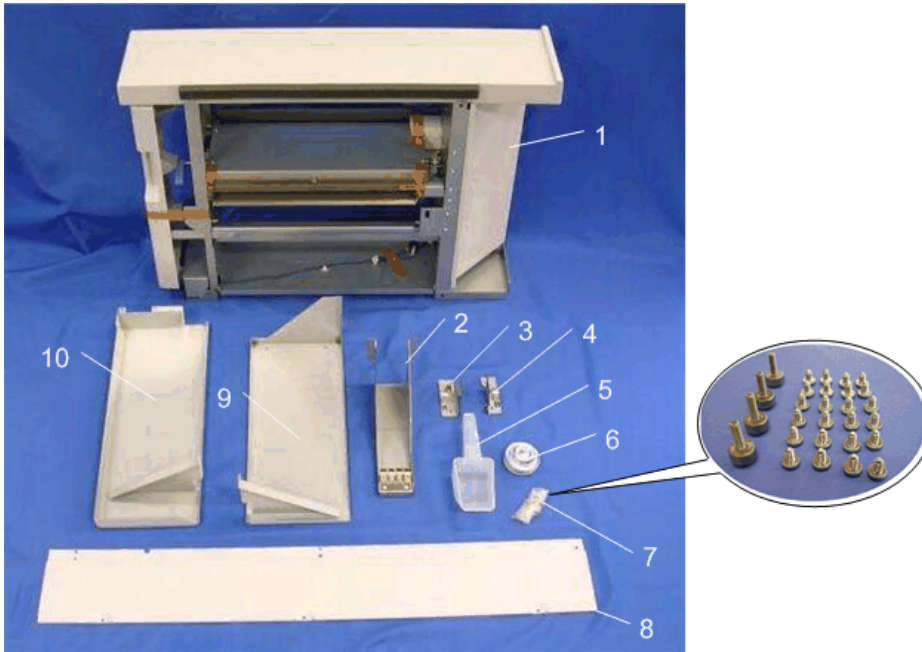
6. Reattach the rear cover of the inserter. (🔩×2)

Transit Pass Unit Type S1 (D736)

Relay Unit Accessories

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	Transit Pass Unit (Relay Unit)	1
2	Ground Plate	1
3	Joint Bracket (Left)	1
4	Joint Bracket (Right)	1
5	Scoop (for loading glue pellets)	1
6	Shoe Plates (for host machine)	4
7	Screws	28
8	Cover (Left: Rear for host machine)	1
9	Front Cover (for relay unit)	1
10	Rear Cover (for relay unit)	1



d391i501

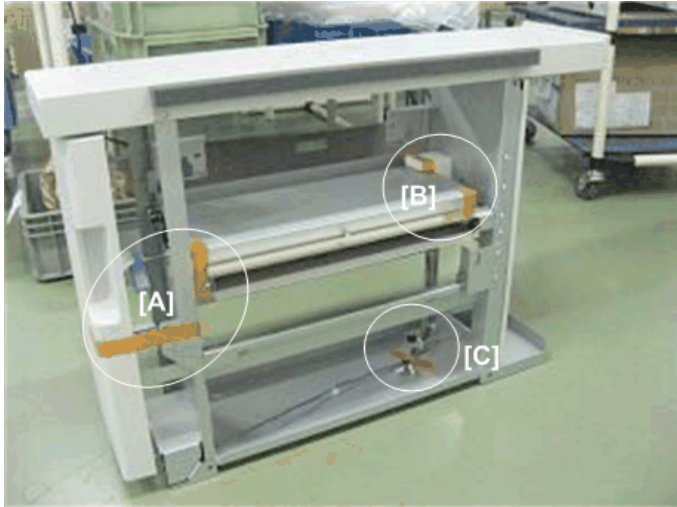
Relay Unit Installation

⚠ CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.

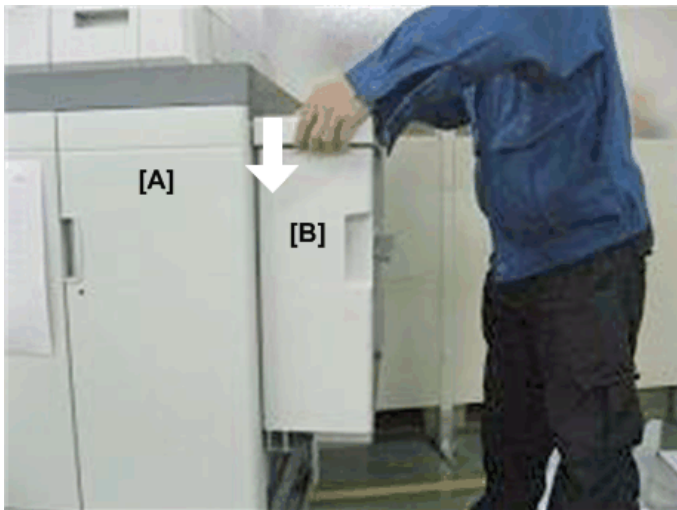
1. From the relay unit remove:

- [A] Strips of tape×2
- [B] Strips of tape×3, cushion×1
- [C] Tape×1



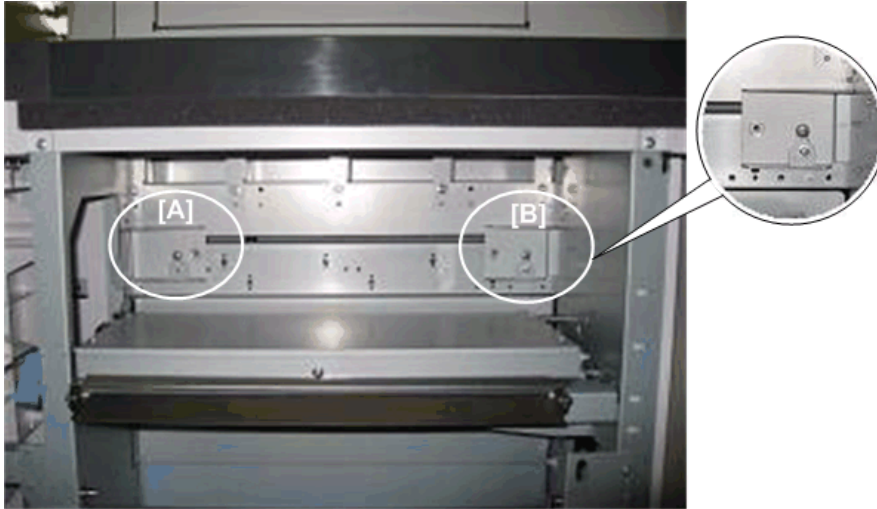
d391i502

2. On the right side of the host machine [A], lower the relay unit [B] onto the two shoulder screws (front and rear).



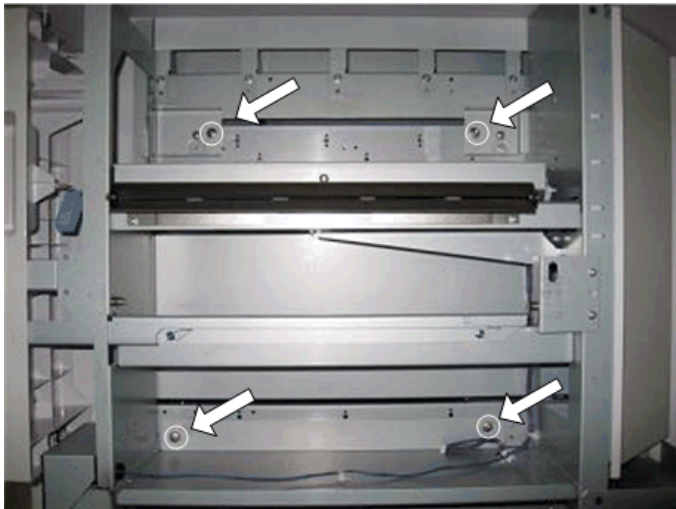
d391i503

3. Confirm that the slots on the left side of the relay unit are both hooked correctly on the heads of the shoulder screws [A] and [B].



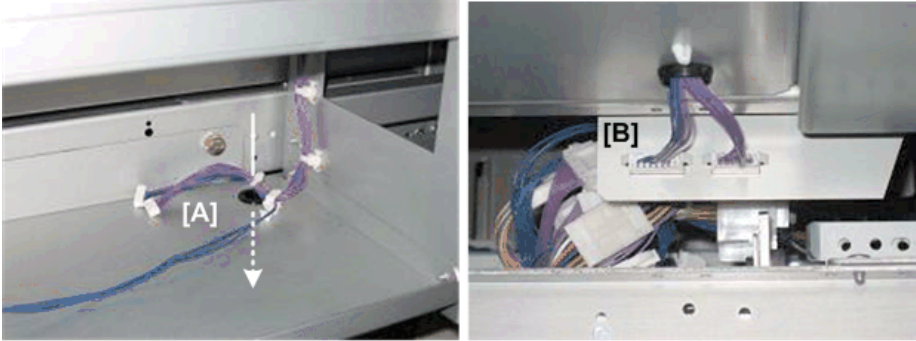
d391i504

4. Use the accessory screws (long, knurled heads) to fasten the relay unit to the side of the host machine. (Ⓢ×4)





d391i505

5. Route the two relay unit harnesses through the grommet and hole [A].

6. Attach the harnesses at [B] below.

d391i506

7. Use the accessory screws (small screw) to attach the rear cover to the relay unit.

- [A]  x2
- [B]  x3



d391i507

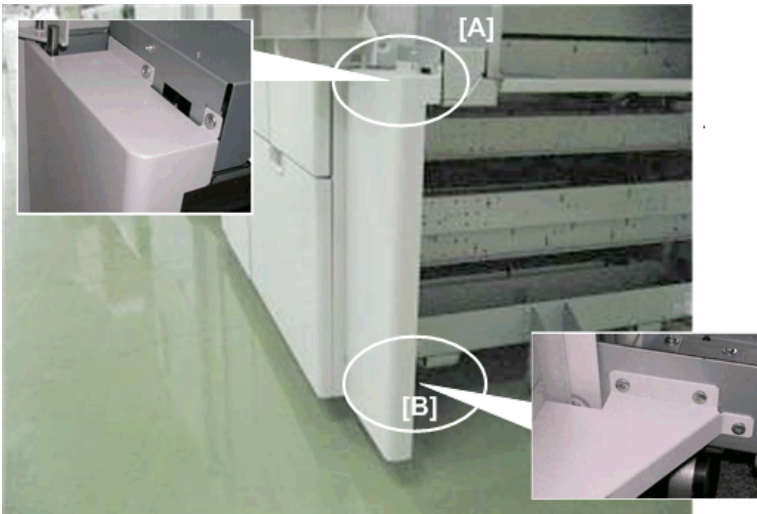
8. Use the accessory screws (small screw) to attach the ground plate [A]. (🔩×4)



d391i509

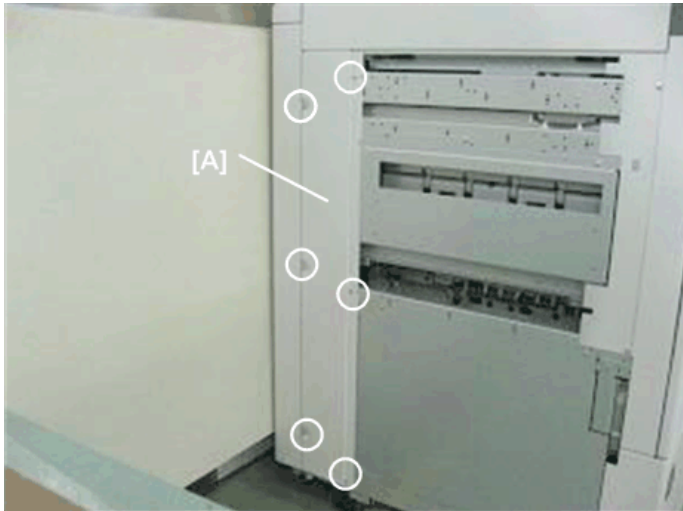
9. Use the accessory screws (small screw) to attach the front cover to the relay unit.

- [A] 🔩×2
- [B] 🔩×3



d391i508

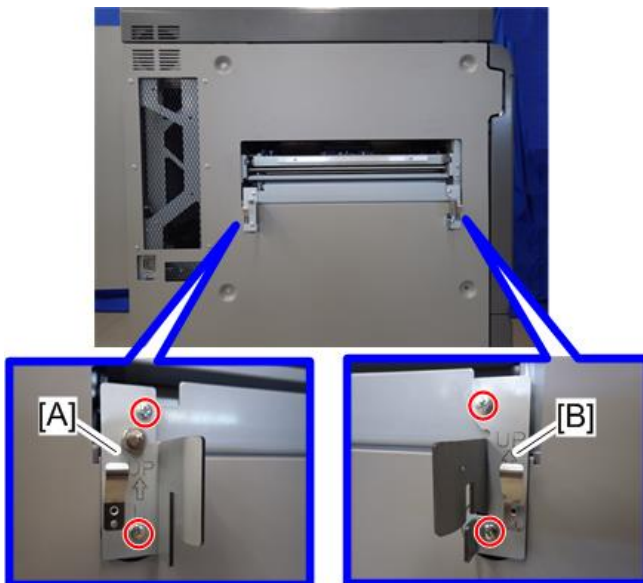
10. Use the accessory screws (small screw) to attach the cover [A] at the left rear corner of the host machine. (🔩×6)



d391i510

11. On the left side of the host machine, attach:

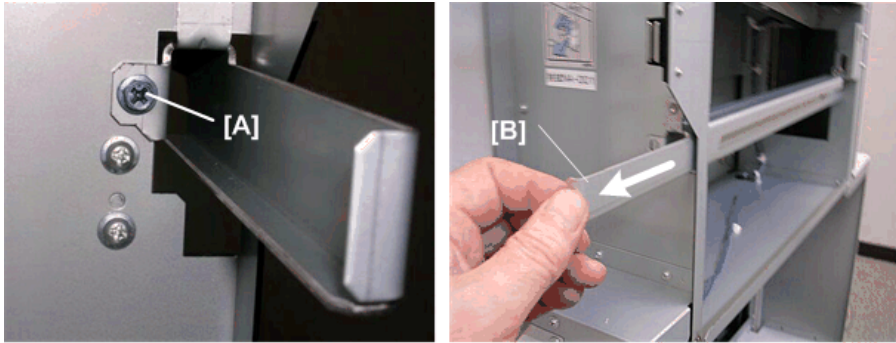
- [A] Left joint bracket ("L") (🔩×2: M4×1.4)
- [B] Right joint bracket ("R") (🔩×2: M4×1.4)



m205a4093

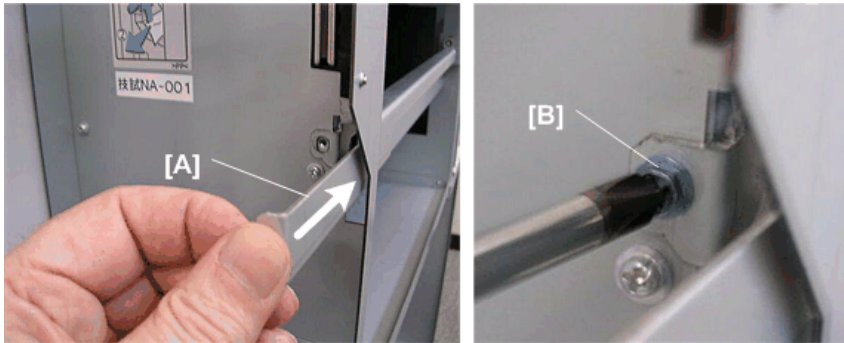
12. Open the front door of the relay unit.
 13. Remove screw [A].
 14. Pull the lock bar [B] out to lower it.

15. Slowly push the bookbinder against the side of the host machine.



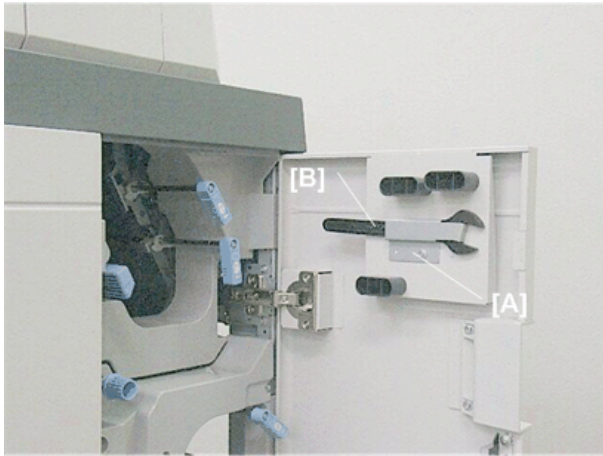
d391i518

16. Push in lock bar [A] to raise it and lock it in the cutouts of the joint brackets attached to the host machine.
17. Reattach screw [B] to fasten the lock bar in the raised position.

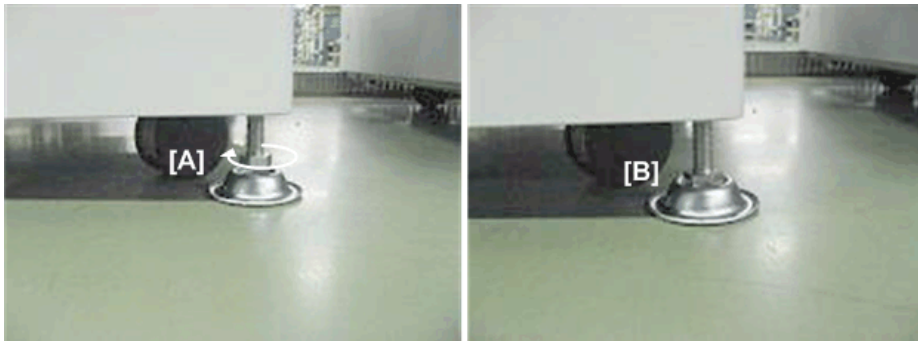


d391i519

18. Remove the brace [A] from the right front door of the bookbinder. (🔩×1)

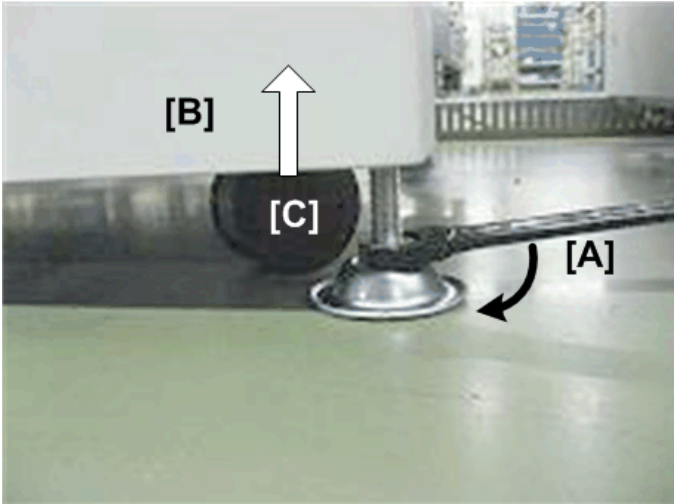
19. Remove wrench [B].

d391i361

20. Place a shoe [A] under the stoppers at each corner of the bookbinder.**21. Use your fingers (or the wrench) to turn the nut in the direction of the arrow until the nut stops on top of the shoe [B].**

d391i511

22. At each corner use the wrench [A] to turn the nut in the direction of the arrow to raise the bookbinder [B] until the caster [C] raises off the floor.



d391i512

23. Place a level on the top edge of the front and right edge of the machine to confirm that the bookbinder is level.
24. Adjust the corner stoppers until the machine is level.
25. Connect the bookbinder interface cable to the host machine.

Testing the Breaker Switch

1. Turn off the host machine.

★ Important

- The power supply to the bookbinder must be off.
2. Plug the bookbinder power cord into its power source.
3. Locate the breaker switch [A] at the right lower corner of the machine below the power cord.
4. Raise the breaker switch [B] so you can see the "|" under the switch. This is the ON position. (Ignore this step if the breaker switch is already at the "|" position.)
5. Use the tip of a small screwdriver to push the breaker test button [C].

The breaker switch should flip to the "O" (OFF) position. This indicates that the breaker switch is operating normally.

If the breaker switch does not flip to the "O" position, the switch must be replaced.

6. Reset the switch to the "I" (ON) position for normal operation.

 **Important**

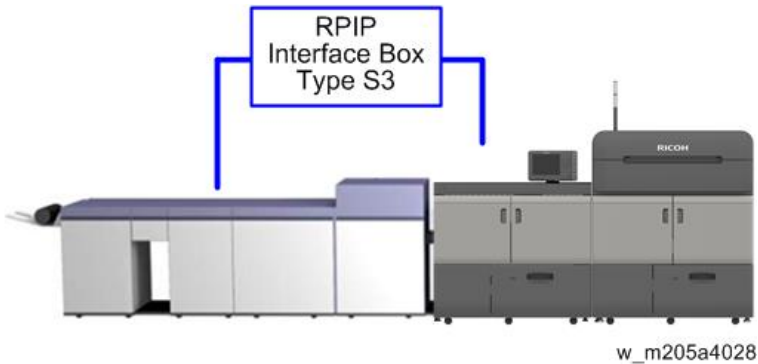
- The bookbinder will not turn on if the breaker switch is not reset to the "I" position.

RPIP Interface Box Type S3 (M462)

Overview

2

This device is an interface (I/F) for connecting Ricoh products and peripherals of 3rd party vendors. The image below shows an example of a 3rd party vendor's peripheral connected to the main machine.



Configuration

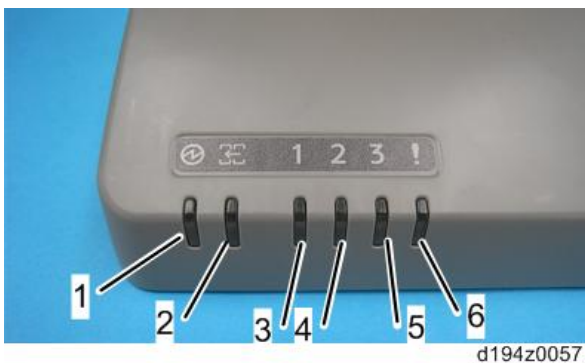
The RPIP interface box type S3 consists of just the hardware and core software. It functions as an interface after a parameter settings file compatible with the 3rd party peripheral has been prepared and written to the RPIP interface box type S3.

Writing Data

The parameter setting tool is used to write the specific parameters of the 3rd party peripheral to the RPIP interface box type S3.

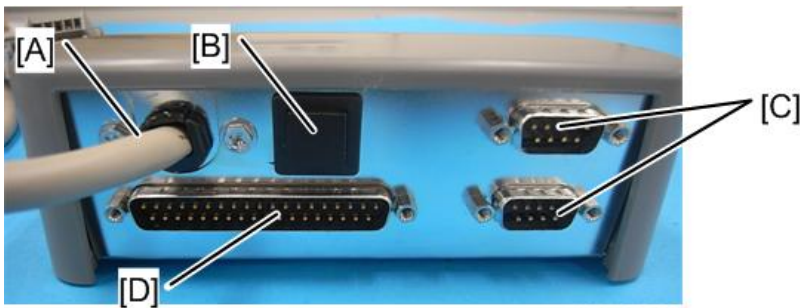
Only data for one model can be written. Parameter settings files for multiple peripherals cannot be written to the RPIP interface box type S3. If you wish to use a peripheral from a different maker, it is necessary to reconnect the peripheral and then overwrite the parameter settings file.

LED



	Name	Color	Description
1	Power LED	Blue	Power is supplied from the main machine and the LED lights up in tandem with the power of the main machine
2	3rd party peripheral status LED	Blue	Lights when ready for paper feeding and blinks when feeding.
3	Spare LED1	Blue	Lights when in write mode.
4	Spare LED2	Blue	-
5	Spare LED3	Blue	-
6	Error LED	Red	Lights up red when an error occurs. Lit: 3rd party peripheral jam Blinking: Communication error, error with main machine or emergency stop switch pressed

Rear Panel I/F



d194z0056

	Name	Description
[A]	RPIP interface box type S3 I/F cable	Connects to the main machine or the most downstream Ricoh peripheral.
[B]	Emergency stop switch	Used in emergencies to stop a job. Also used to cancel the blinking during an emergency stop.
[C]	Serial ports	Upper: Connects to a PC. Normally the upper port is used. Lower: Normally not used. Configured for potential custom applications.

	Name	Description
[D]	Parallel port	Connects to the 3rd party peripheral.

Accessories

2

No.	Description	Q'ty
1	RPIP Interface Box Type S3 (The cable is 1.5m long.)	1
2	Velcro	2
3	Parallel cable	2



d194z0058

Installation

Connect the interface box to the main machine (or the most downstream Ricoh peripheral) and the 3rd party peripheral.

⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.
- Also make sure that the power of the 3rd party peripheral is turned OFF and that its power cord is disconnected.

- Rating voltage of output connector for accessory; Max.DC24V.

Note

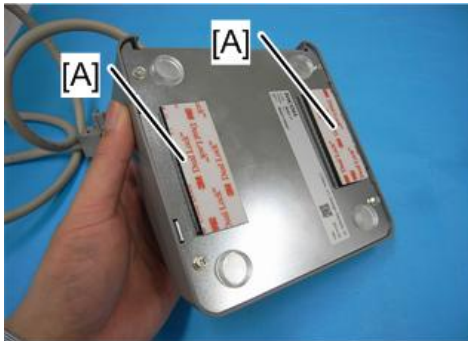
- RPIP interface box type S3 is only compatible with post-processing related peripherals. At this time, it cannot be used with paper feed related peripherals.

Recommended Installation Location

- A flat space where this option can be fastened to securely and where the status indicator LEDs can be seen.

2

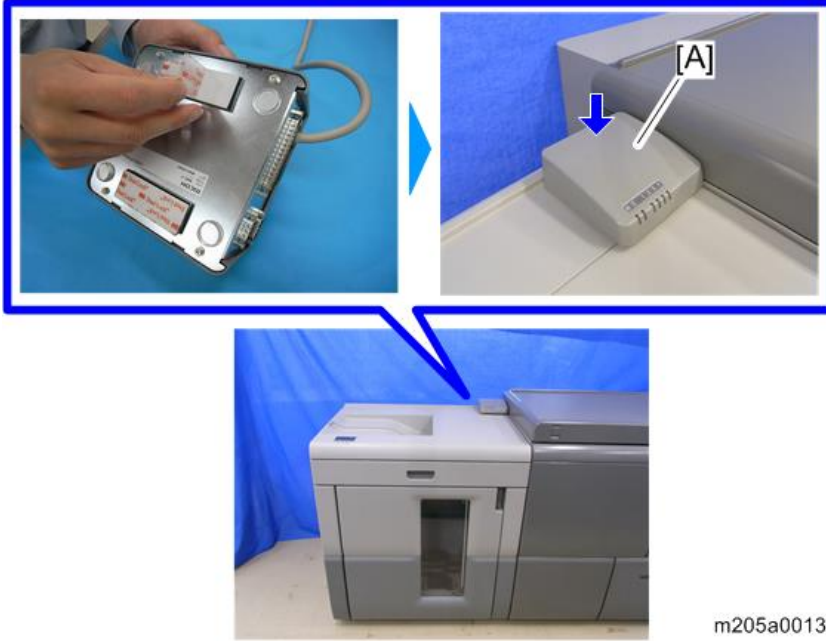
1. Attach the velcros to the bonding surface [A] on the back of the RPIP interface box type S3 (2 pieces).



d194z1002

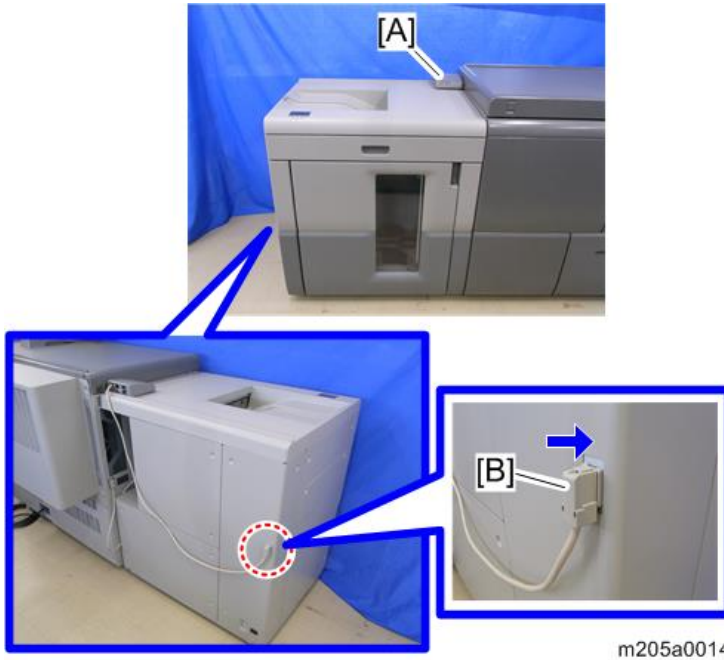
2. Peel off the films from the velcros.

3. Press the RPIP interface box type S3 [A] to the surface at the installation location so it sticks securely in place.

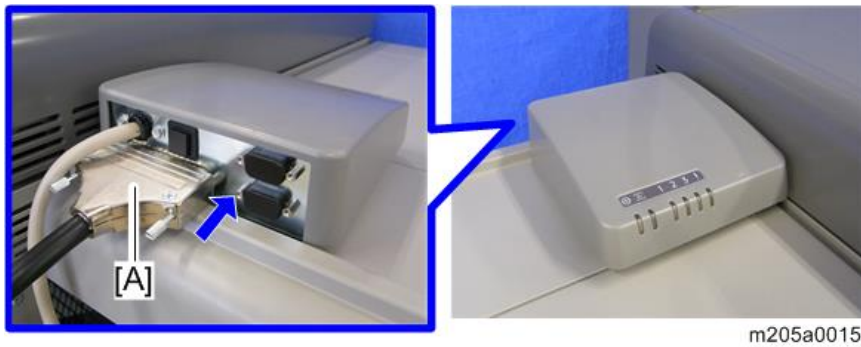


Before performing the subsequent steps, turn OFF the AC power switch and leave it for 5 minutes so the residual charge can dissipate.

4. Connect the I/F cable [B] of RPIP interface box type S3 [A] to the main machine or the most downstream Ricoh peripheral.

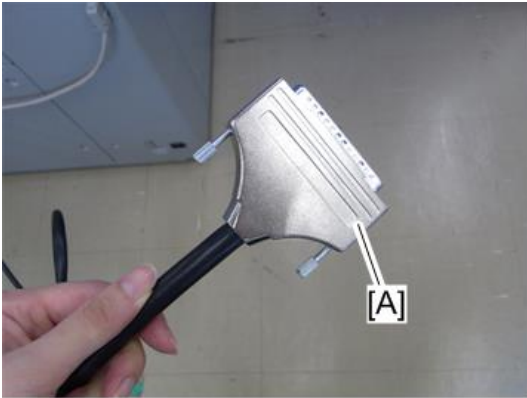


5. Connect the parallel cable [A] to the RPIP interface box type S3. (🔑 ×2)



6. Connect a 3rd party peripheral to the main machine or the most downstream Ricoh peripheral.

7. Connect the parallel cable [A] to the connector on the 3rd party peripheral.



m205a0016

Setting

Required software/middleware

- Notebook PC
- RS-232C cable (for example: SANWA SUPPLY / KR-LK2)
- NET Framework 4.0X

Note

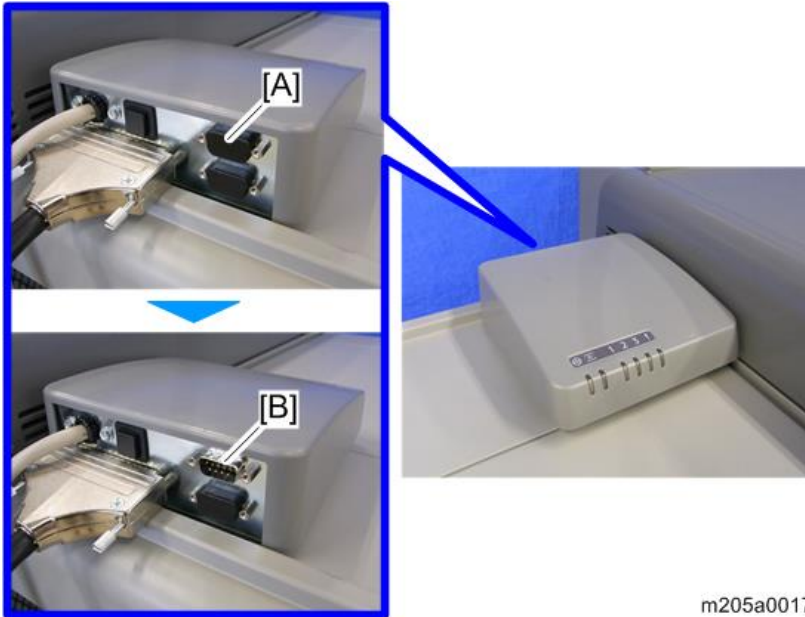
- When using a USB-RS-232C adapter, use an adapter from a reputable manufacturer, or you may get illegible text or installation errors. We recommend the following device.
- ELECOM / UC-SGT1

Preparation

1. Decompress the compressed folder [Parameter_Setting_Tool_ver.xx] and copy it to the desired directory (Use notebook PC).
2. Copy the specific parameter settings file for the 3rd party vendor peripheral to the desired directory (Use notebook PC).
3. Remove the connector cover [A] on the serial port [B] and connect the notebook PC to it.

Note

- Do not discard the connector cover.



m205a0017

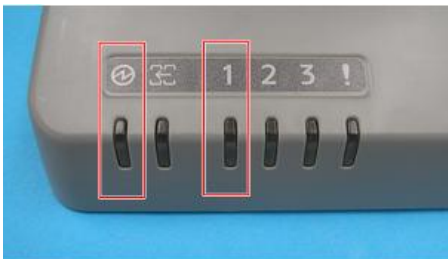
4. Turn the AC power switch and the main power switch ON.

Wait until the main machine warms up.

5. Press and hold the emergency stop switch for about 3 seconds to put it in the write mode.

↓ Note

- When the RPIP interface box type S3 is in the write mode, the power LED and spare LED 1 light up blue.



d194z0057a

- Jobs cannot be received while in the write mode.

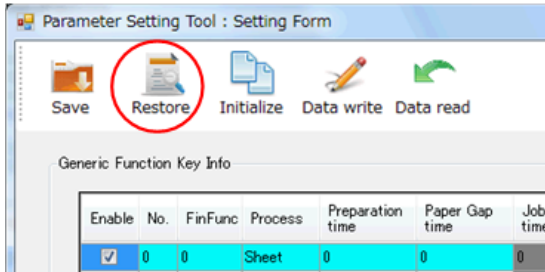
Parameter Setting Tool

↓ Note

- This procedure is performed at the notebook PC.

1. Launch [ParameterSettingTool.exe].

2. Press the [Restore] button.



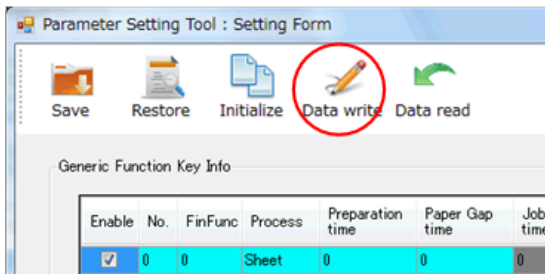
d194d9302

3. Select the parameter settings file that was prepared and select [Open].

Note

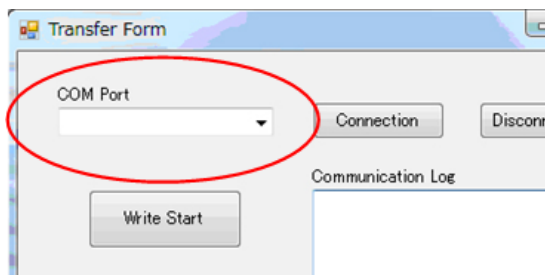
- The parameters are displayed on the screen. Do not edit numerical values.

4. Press the [Data Write] button and the "Transfer Form" opens.



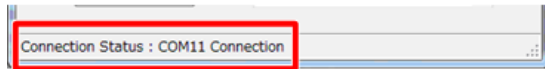
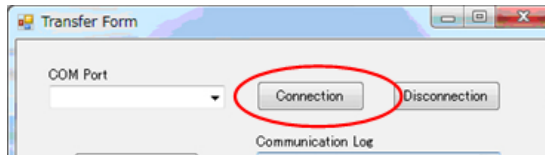
d194z0060

5. Select the port to use from the COM Port box.



d194z0061

6. Press the [Connection] button and check that the Connection Status bar changes to "COMXX Connection."

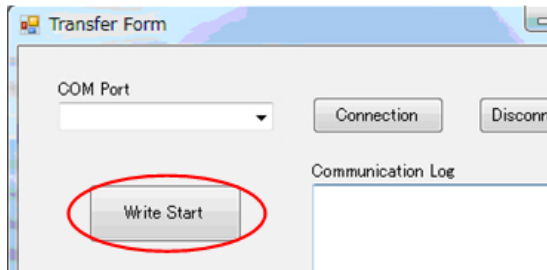


d194z0062

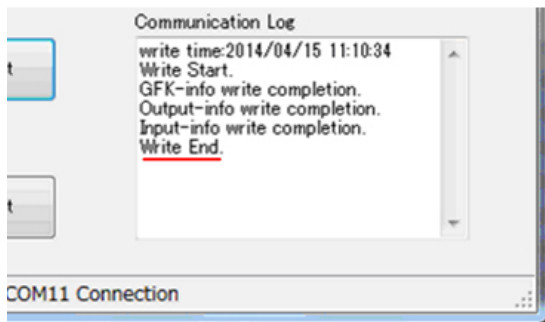
7. Press the [Write Start] button.

It starts writing the data.

When "Write End" is displayed in the [Communication Log], writing is complete.

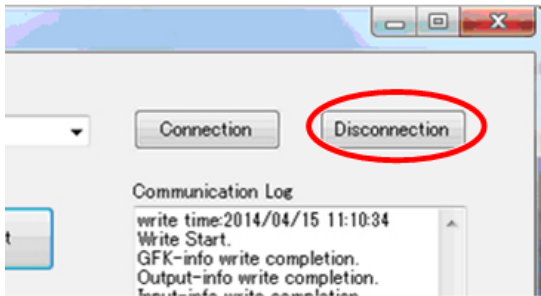


d194z0063



d194z0064

8. Press the [Disconnection] button and close the tool.



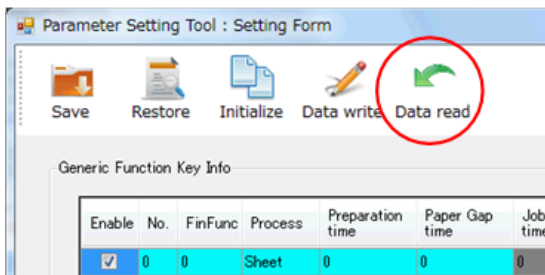
d194z0065

9. Press and hold the emergency stop switch for about 3 seconds to cancel the write mode.
10. Make sure the LEDs, which lit up in the write mode, turns off.
11. Turn the main power switch off.
12. Disconnect the RS-232C cable and attach the connector cover to the serial connector. Then turn the main power switch ON.

The written parameter data is updated after the machine is restarted (main power switch is turned off/on). Be sure to restart the machine.

Note

- "Data read" can be used to read the current parameters written to the RPIP interface box type S3.



d194z0066

Tray Heater (Main Machine)

⚠ CAUTION

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

Tray Heater (Imaging Section)

2

↓ Note

- This heater is independent of the ON/OFF power switch of the main machine and is constantly activated if the power cord of the vacuum feed LCIT is plugged in.

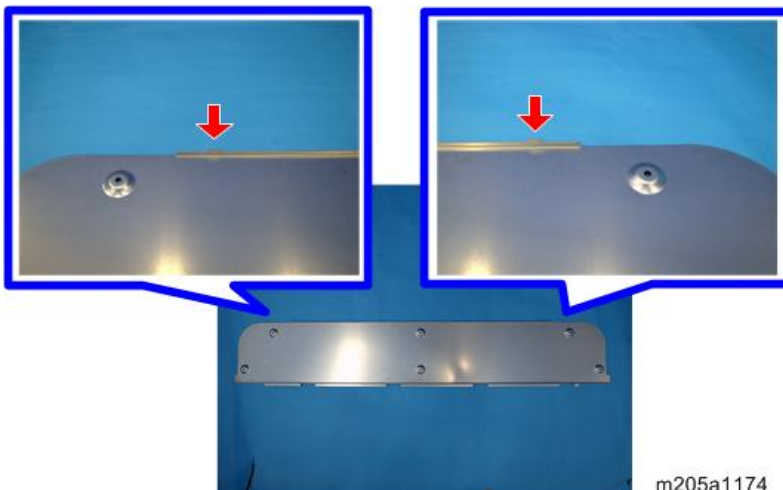
1. Remove the toner supply rear cover [A]. (⌀ ×6)



m205a1173

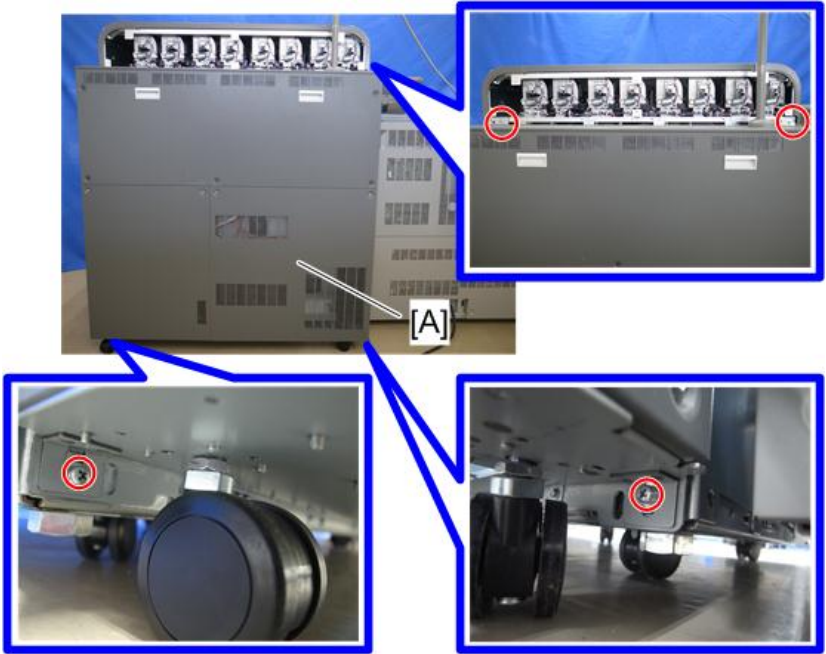
↓ Note

- Check the position of the hooks in the photo below before removing.



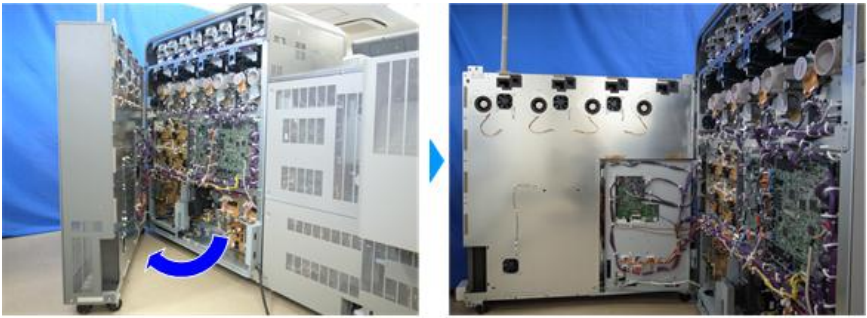
m205a1174

2. Remove the screws on the rear box [A]. (🔩×4)



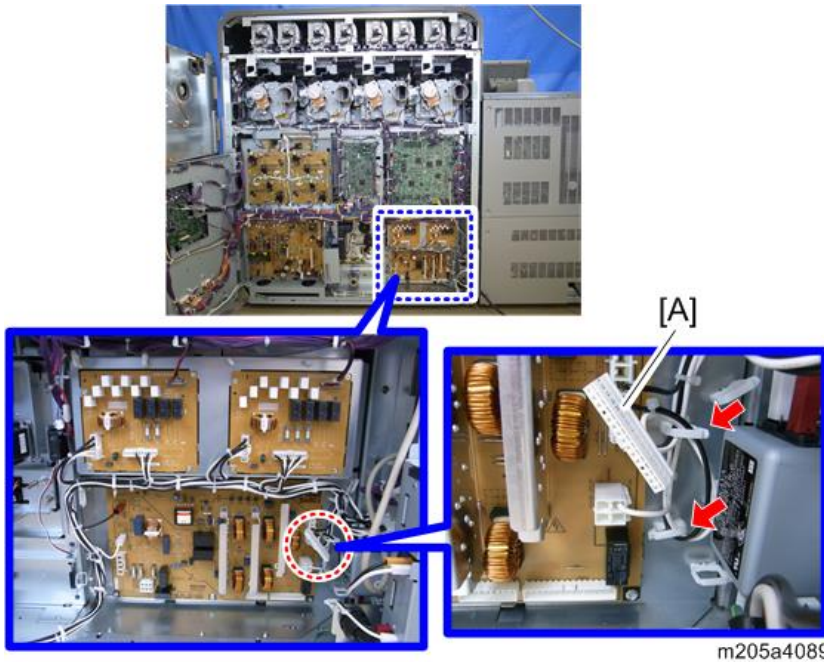
m205a1057

3. Open the rear box from right side.

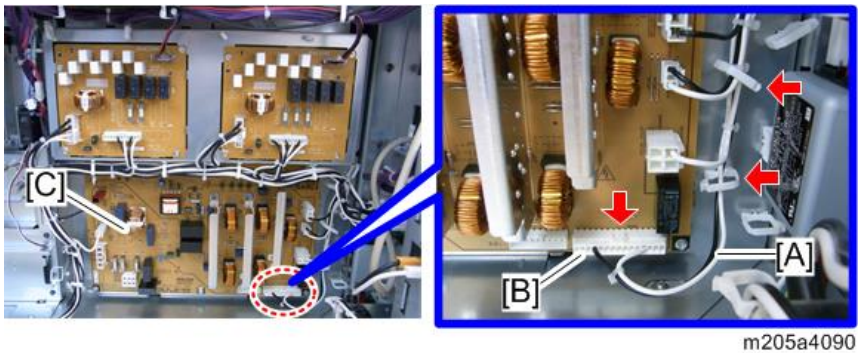


m205a1058

4. Open two clamps which holding the harness [A]. (🔧×2)



5. Connect the harness [A] to the connector CN403 [B] on AC drive board 1 [C]. (🔧×1, 📦×2)



6. Reassemble the machine.

Tray Heater (Fusing Section)

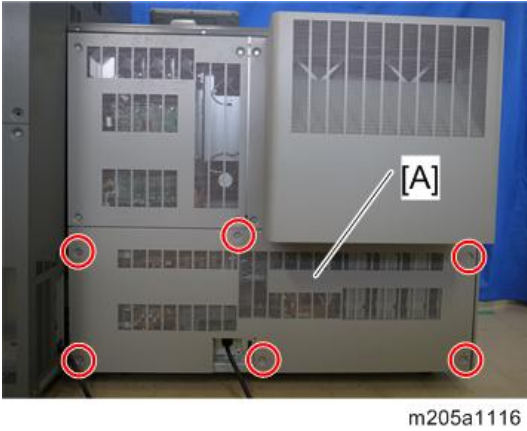
⬇ Note

- This heater is independent of the ON/OFF power switch of the main machine and is constantly activated if the power cord of the vacuum feed LCIT is plugged in.

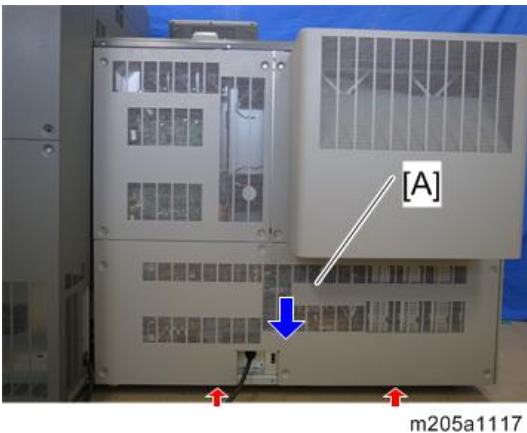
1. Loosen the lower screws on the duct cover (fusing section) [B] so that you can remove the rear lower cover (fusing section) [A] easily. (Ⓜ×2)



2. Remove the screws on the rear lower cover (fusing section) [A]. (Ⓜ×6)

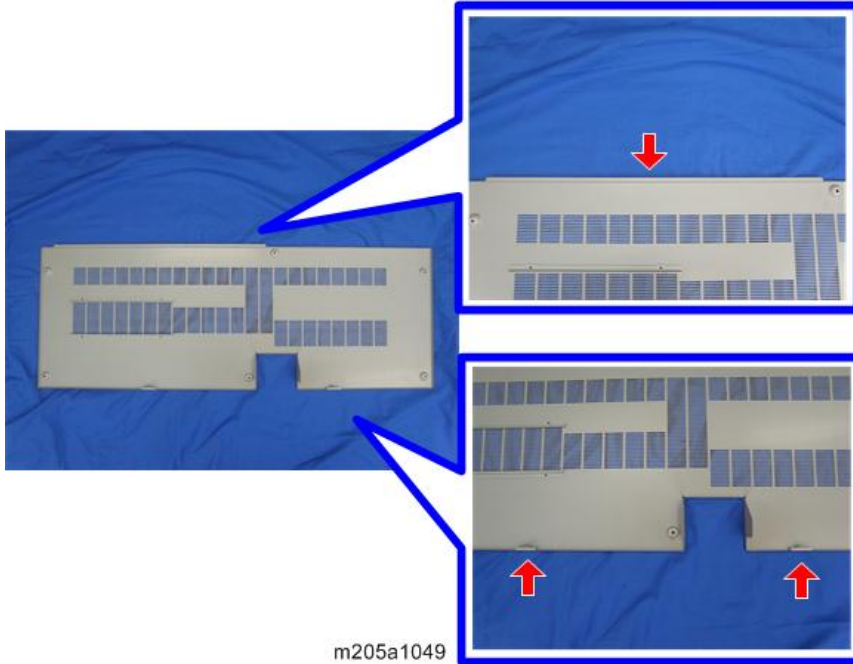


3. Remove the 2 hooks located on the lower side of the rear lower cover (fusing section) [A], and then move it downward to remove it.

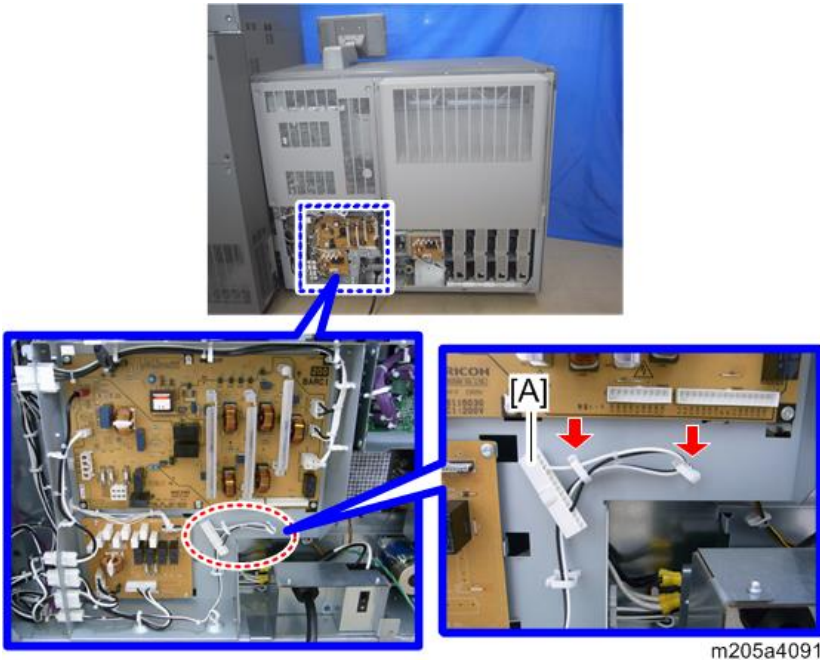


Note

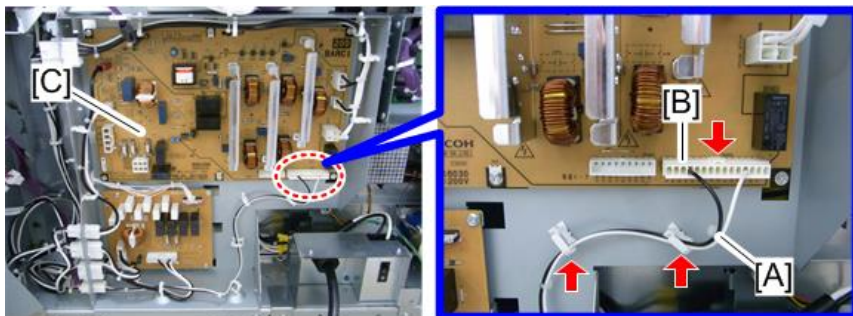
- Check the position of the hooks in the photo below before removing.



4. Open two clamps which holding the harness [A]. (🔧x2)



5. Connect the harness [A] to the connector CN403 [B] on AC drive board 2[C]. (📦 x1, 🛠️ x2)



m205a4092

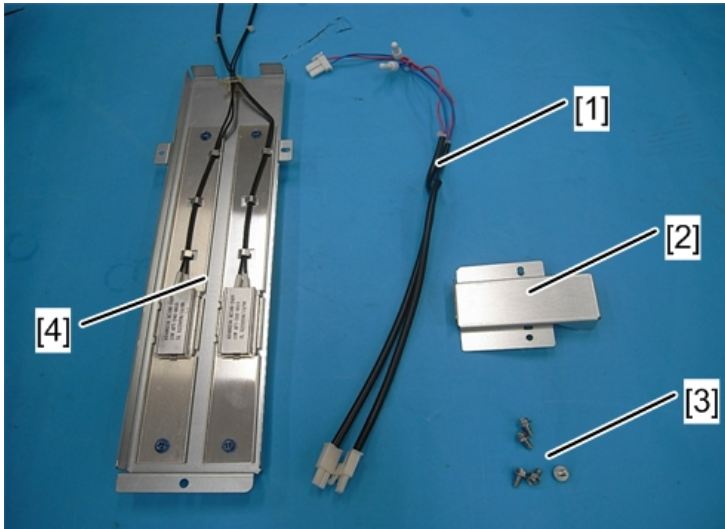
6. Reassemble the machine.

Tray Heater (Vacuum Feed LCIT RT5100)

Accessories

No.	Description	Q'ty
1	Relay Harness	1
2	Heater Bracket	1
3	Screw 4×8	5
4	Heater	1

2



d777z0104

Installation

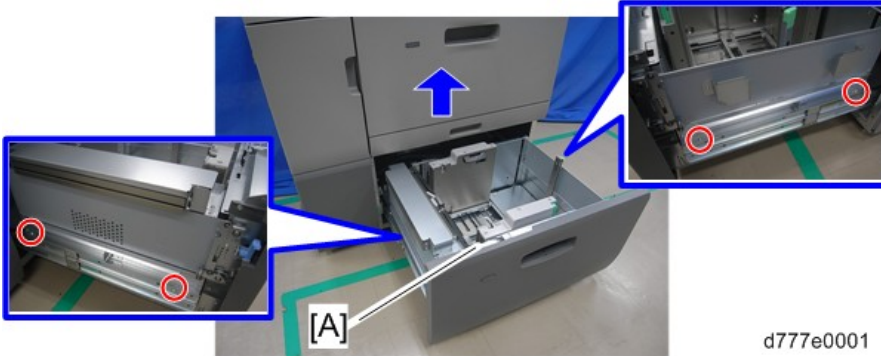
⚠ CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

↓ Note

- The tray heater is independent of the ON/OFF power switch of the main machine and is constantly activated if the power cord of the vacuum feed LCIT is plugged in.

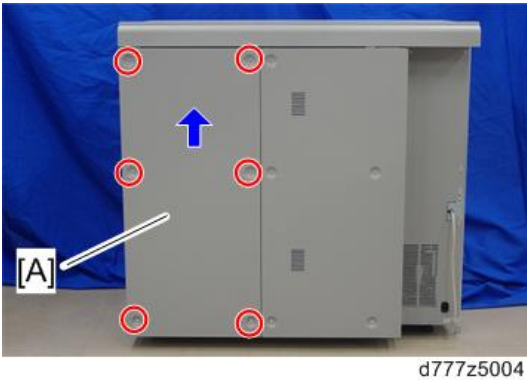
1. Pull paper tray 2 from the vacuum feed LCIT.
2. Paper tray 2 [A] (Ⓜ ×4)



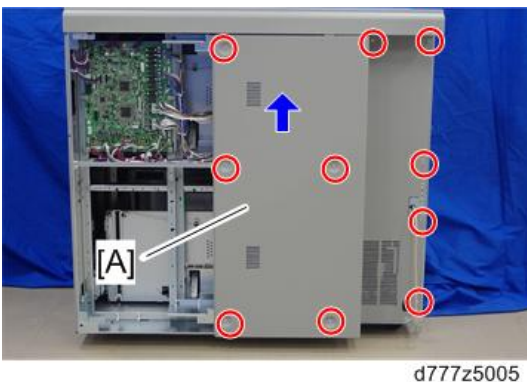
★ Important

- Two or more customer engineers are required to lift paper tray 2 off the rails because paper tray 2 is extremely heavy. Work carefully when lifting or moving it.

3. Lift the rear right cover [A] of the vacuum feed LCIT and remove it. (Ⓜ ×6)

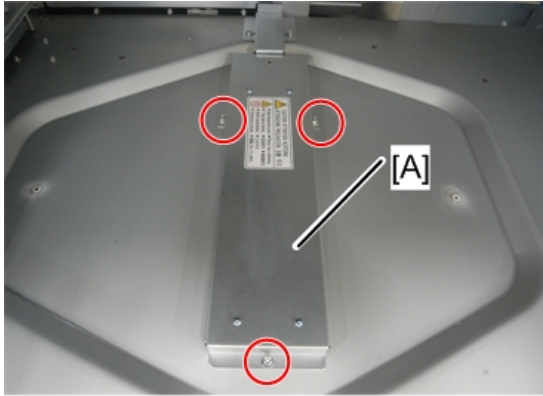


4. Lift the rear left cover [A] of the vacuum feed LCIT and remove it. (Ⓜ ×10)



5. Attach the heater [A] to the bottom of the vacuum feed LCIT. (🔩×3: 4×8)

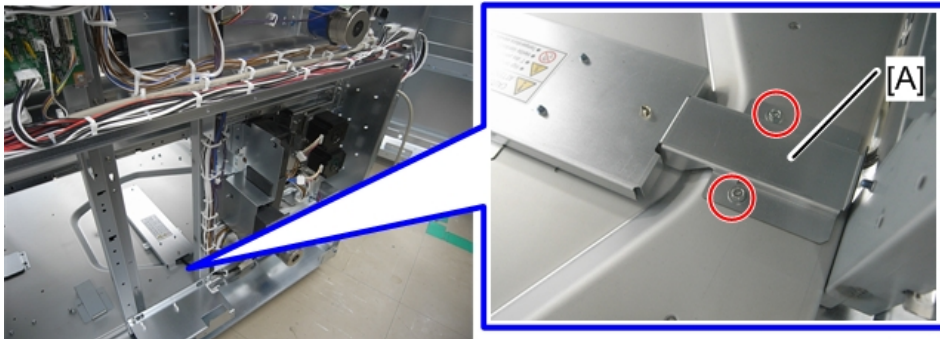
Access from the front.



d777z0101

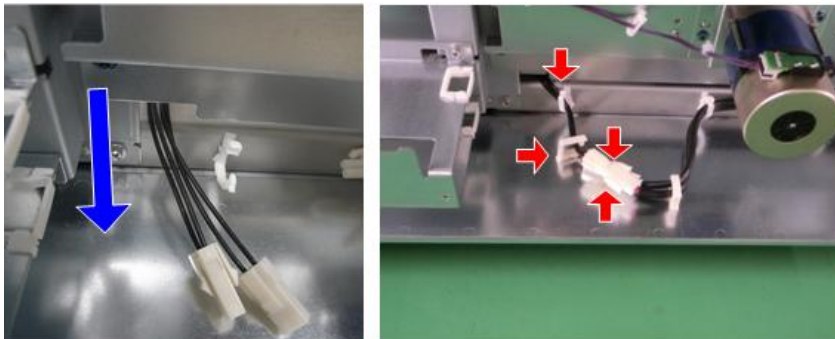
6. Attach the heater bracket [A]. (🔩×2: 4×8)

Access from the rear.



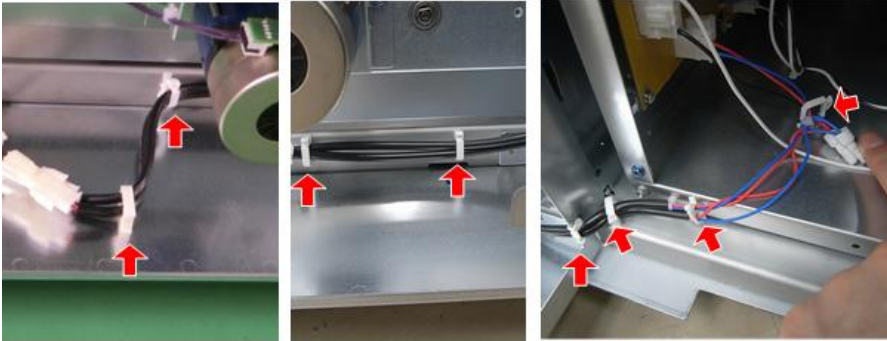
d777z0102

7. Pass the heater harness through the hole in the rear side, and connect it to the relay harness. (🔌×2, 📦×2)



d777z0105

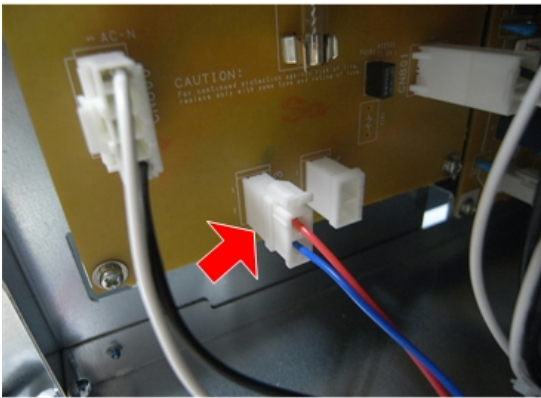
8. Route the relay harness as shown below. (🔧x8)



d777z0106

9. Connect the relay harness to the PSU.

Red arrow: CN803



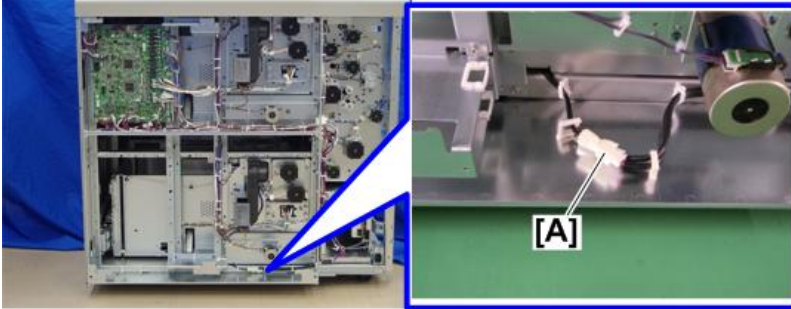
d777z0107

10. Re-attach both rear covers.

11. Re-attach paper tray 2.

⚠️ Note

- The tray heater is not operated by the ON/OFF switch, but is always ON when the AC power of the vacuum feed LCIT is plugged in. If you wish to turn the heater OFF, you have to disconnect the relay connector [A].



d194d9169

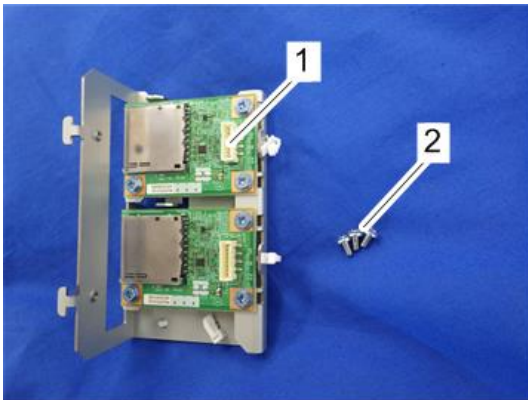
Service Slot Board

Accessories

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

2

No.	Description	Q'ty
1	Service Slot Board	1
2	Screw: M3x6	3



m205a1552

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 power switch and AC power switch are turned OFF and that its power cord is disconnected before doing the following procedures.

1. Remove the controller cover [A] from rear side of the main machine. (🔩×2)



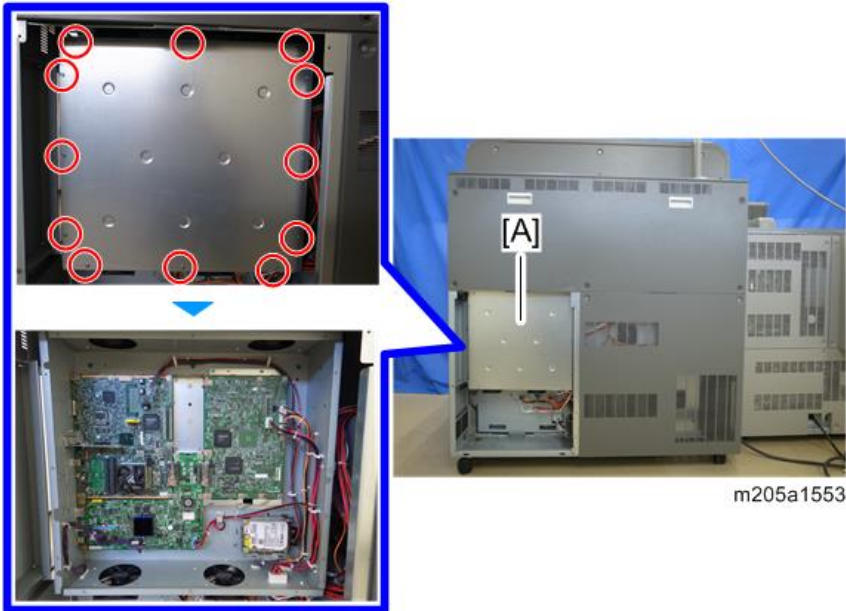
m205a0328

2. Rear box left lower cover [A] (🔩×2)



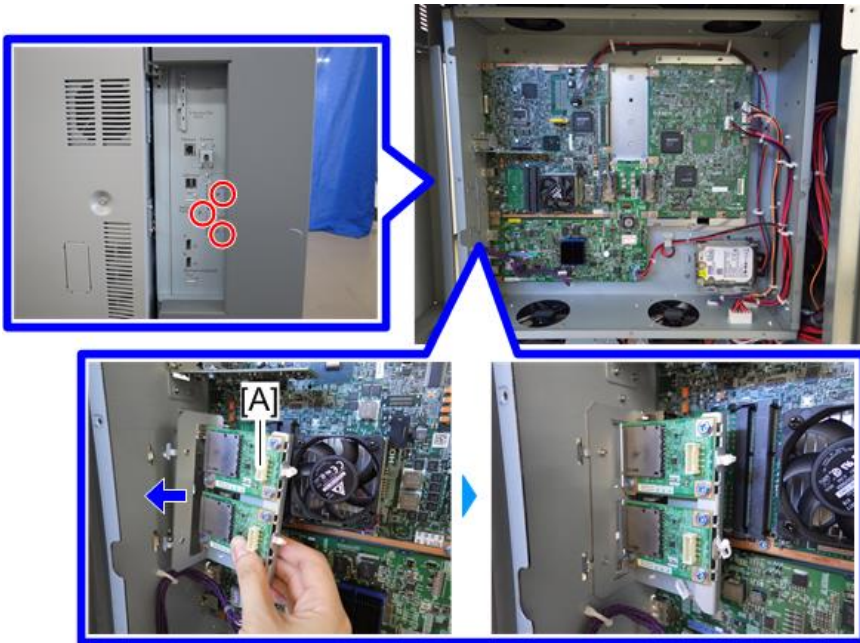
m205a1055

3. Controller box cover [A] (🔩×12)



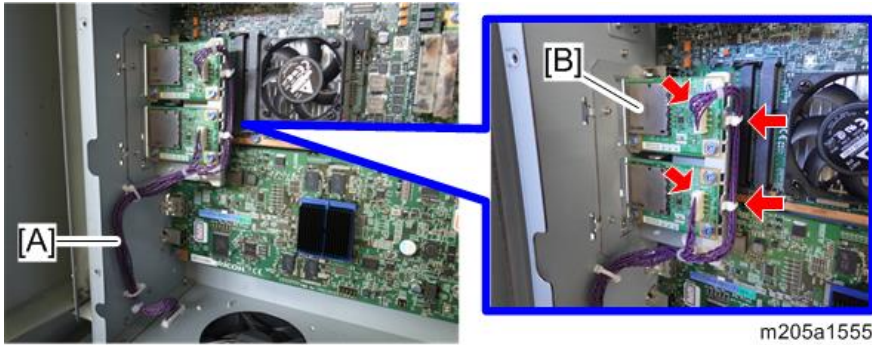
m205a1553

4. Attach the service slot board [A]. (🔩×3)



m205a1554

5. Connect the harness [A] of the main machine to the service slot board [B]. (📦x2, 🛠x2)



6. Re-attach the covers.

⬇ Note

- When retrieving the debug logs, remove the SD card slot cover [A] and then insert the SD card into the SD card slots.



- You can set two SD cards (master/slave).
- Specify the log settings with SP5-901-001 to 010 (Eng Log SD-Card Save Setting).

Common Adjustments

Height and Level Adjustment

2

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.

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.

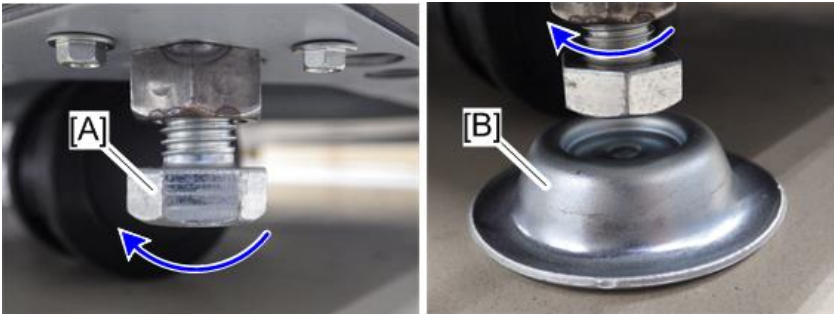
1. Turn the lower nut [A] to lower the bolt.

↓ Note

- The upper bolt is spot-welded to the frame and does not move.

2. Set a leveling shoe [B] below the nut.

3. Continue to turn the lower nut until it stops against the shoe.



m205a4109

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.

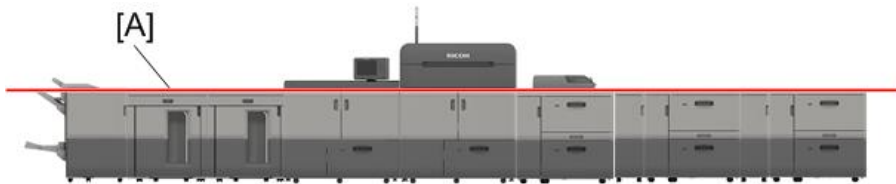


m205a4110

2

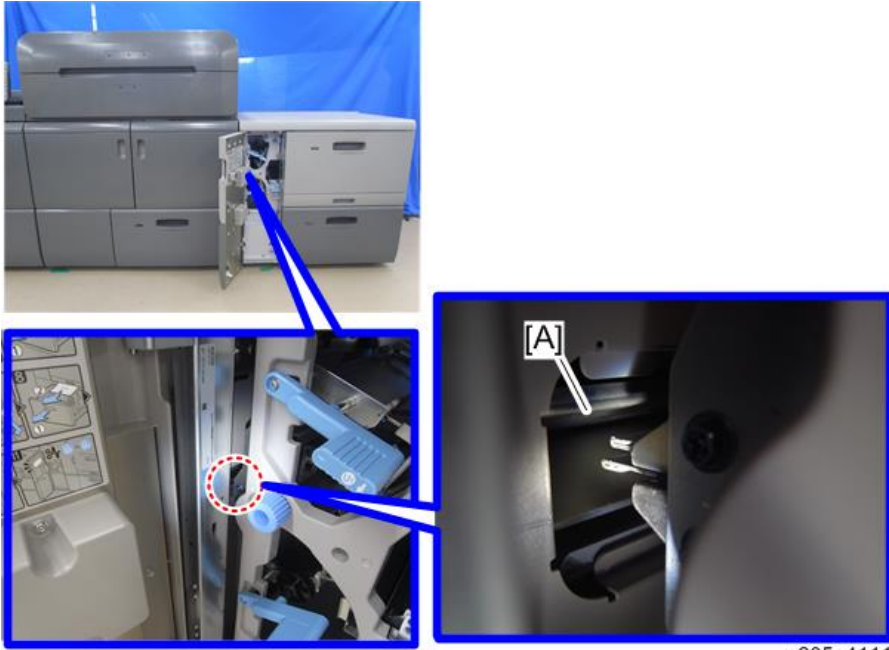
6. Check the results of the adjustments.

- The top of the first peripheral unit on the left must be at the same height as the left side of the main machine.
- The tops of the other peripheral units on the left where the units are joined must be at the same height.
- The top of the LCIT on the right must be at the same height as the right side of the main machine. Check the height of the exterior of the upstream unit and down stream unit, and then adjust the height until the line [A] of the units is leveled.



m205a0081

- Between the right side of the main machine and the Vacuum Feed LCIT, make sure that the LCIT guide plate [A] moves freely and does not interfere with the main machine guide plate.



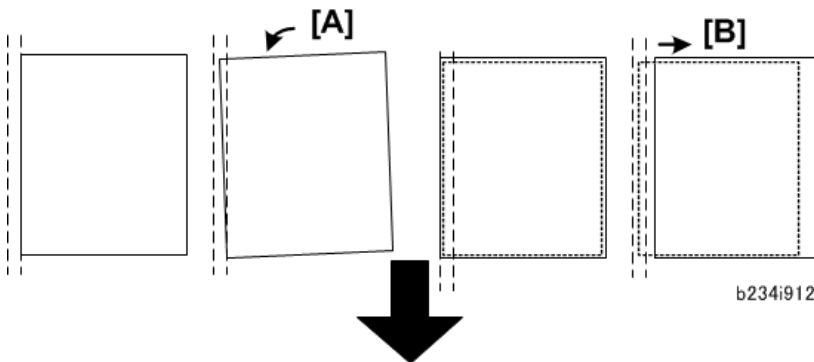
m205a4111

Skew and Side-to-Side Registration for Peripherals

Overview

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.



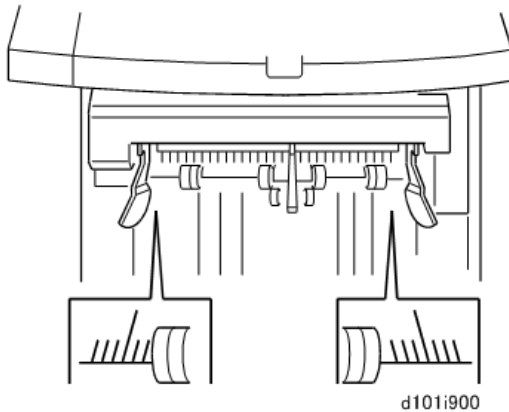
b234i912

★ Important

- Before adjusting skew manually, be sure to enter the SP mode and set SP1206-001 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.



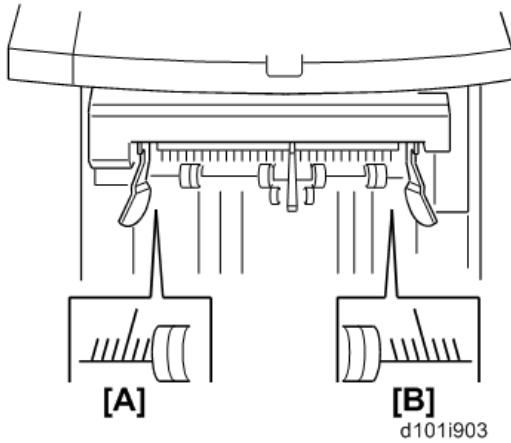
- The scales are provided so that you can visually check and measure the amount of skew or deviation in side-to-side registration.
- A scale for detecting skew and checking side-to-side registration ("S-to-S") is provided on the following peripheral units.

Name	Skew	S-to-S	Comment
Vacuum Feed 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 unit with the single bracket.

- Corrections for both skew and side-to-side registration are possible.

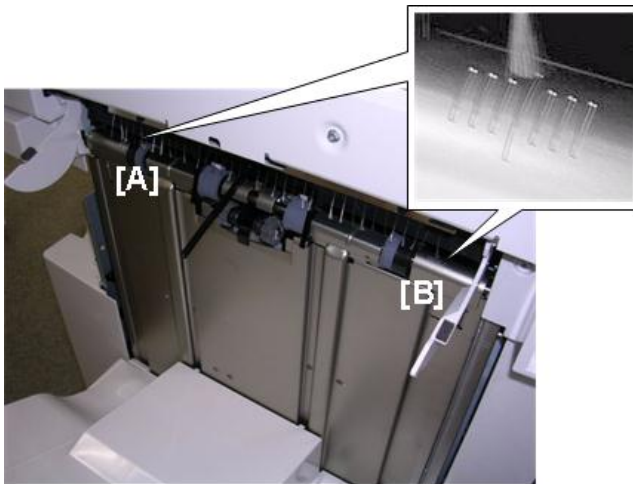
Use either the rear scale or front scale, depending on the type of paper used in your area:

- Rear [A]: **DLT SEF** (LT LEF for Ring Binder)
- Front [B]: **A3 SEF** (A4 LEF for Ring Binder)



The illustrations below show where the scale for each peripheral unit is located:

- [A]: DLT/ [B]: A3

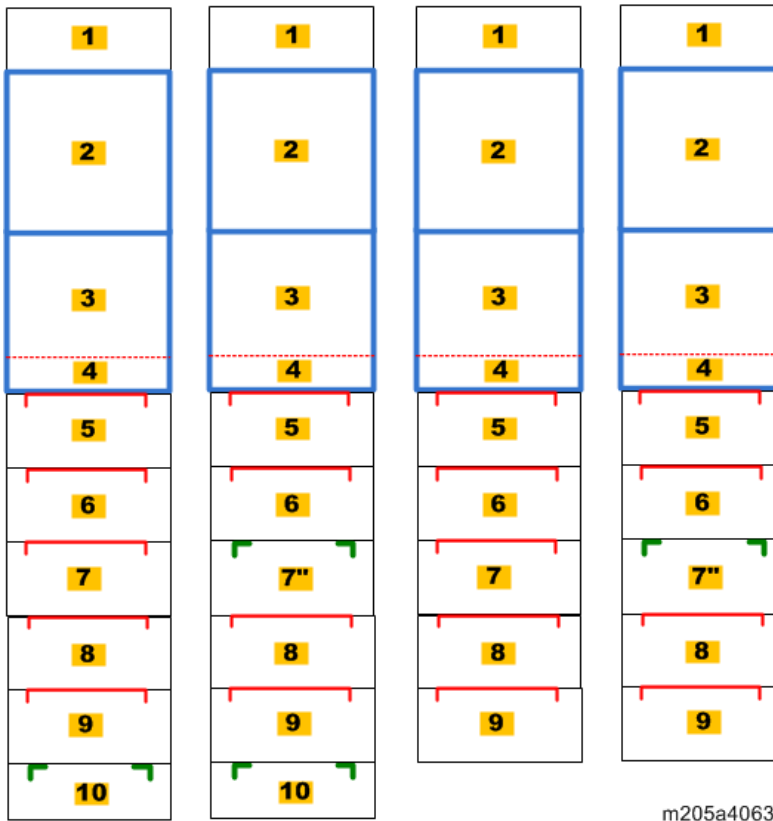


The illustration above shows the scale on the left side of the Booklet Finisher tray. The same scale is at approximately the same position (paper exit) for the following units:

- Multi Folding Unit: Proof Tray, or Left Exit
- Ring Binder: Left Exit
- High Capacity Stacker: Proof Tray

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 joint brackets where adjustment is not possible.



m205a4063

Unit	Name	Comment
[1]	Vacuum Feed LCIT	
[2]	Main Machine (Imaging Section)	
[3]	Main Machine (Fusing Section)	
[4]	Decurler Unit	Inside main machine
[5]	Cover Interposer Tray	
[6]	Multi Folding Unit	
[7]	Ring Binder	
[7"]	Perfect Binder	
[8]	High Capacity Stacker	
[9]	Finisher	D734 or D735

Unit	Name	Comment
[10]	Trimmer Unit	Joint Brackets x2

↓ Note

- The Perfect Binder [7"] and Trimmer Unit [10] do not have the single bracket for the upstream unit that allows side-to-side adjustment with shims (described below).
- 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 joint 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 joint bracket left or right. (See the next procedure.)
 4. Skew is eliminated by inserting spacers (shims) under the rear or front end of the joint bracket. These attached by screws to the peripheral units before they leave the factory.

Checking Side-to-Side Registration

↓ Note

- When the Finisher is installed to the left side of the unit, paper cannot eject to the proof tray. When the Finisher is installed, disconnect the I/F cable of the Finisher before adjusting.

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 unit.**
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.**

↓ Note

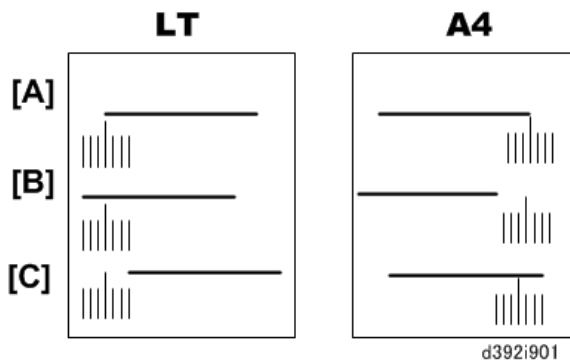
- If you are testing the Ring Binder, execute the run by feeding paper (A4 or LT LEF) from Tray 2 of the host machine (punching only, no ring binding). (The Ring Binder cannot accept a larger paper size.) Feed A3 SEF for other units.
4. **When each sheet exits, check the position of the paper on the scale to see if the paper is centered.**
 - Read the **rear scale** for **DLT**-size paper.
 - Read the **front scale** for **A3**-size paper.

- If you are testing the ring binder, read the **rear scale** for **LT LEF** paper and the **front scale** for **A4 LEF** paper. With the Ring Binder, the paper does not exit. It will switch back and feed to the punch unit.
- 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.

2



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 can be done for every unit on the connection bracket attached to the upstream unit.

1. Enter the SP mode and set SP1206-001 to "2" (OFF).
2. Disconnect the peripheral unit from the upstream unit.
3. On the joint bracket attached to the upstream unit, loosen screws ①, ②, ③, and ④.
4. Remove bracket [A] (🔑×1), rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the joint 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.

If the deviation from center was toward the front, slide the bracket to the rear and tighten screw ①.

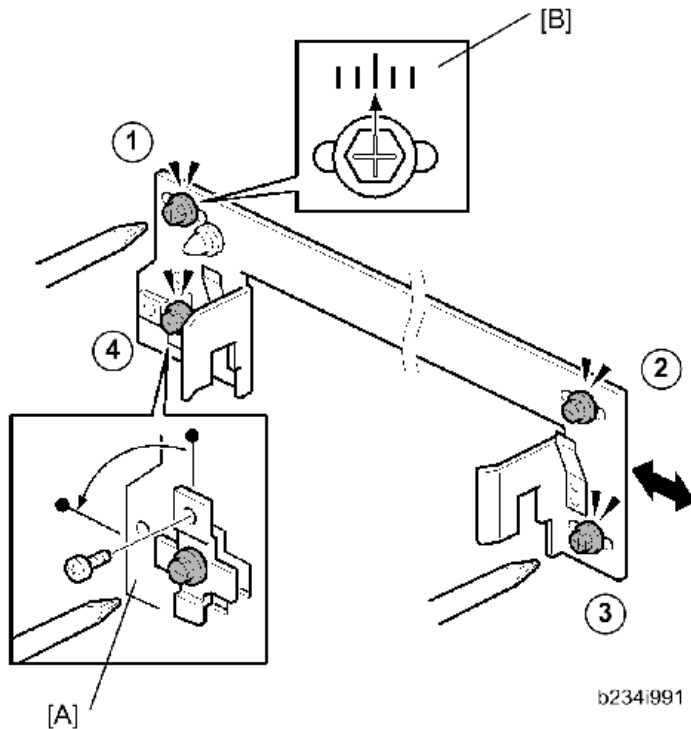
-or-

If the deviation from center was toward the rear, slide the bracket to the front and tighten screw ①.

7. Tighten screws ②, ③, and ④.

8. Do another test run, so that you can check the results of the adjustment.

9. When you are finished, enter the SP mode and re-set SP1206-001 to "1".



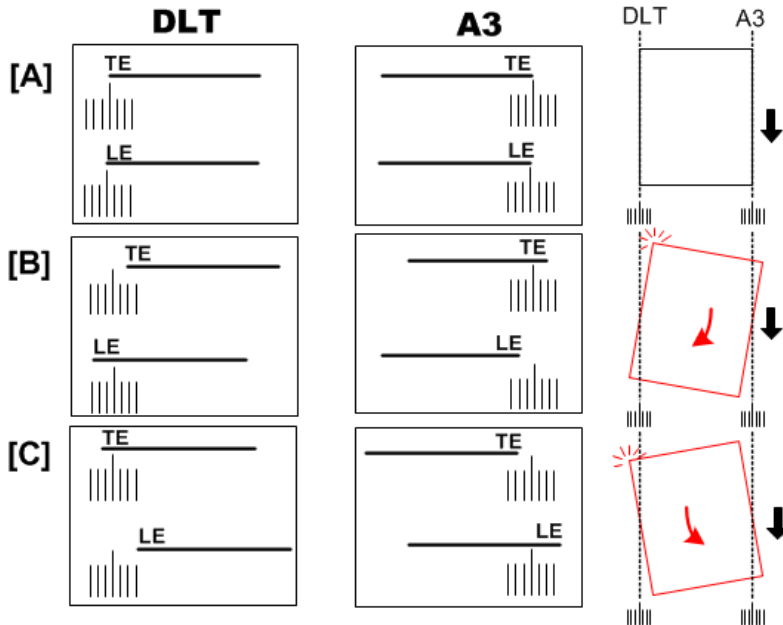
Detecting Paper Skew

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 unit.
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.



d392i904

Correcting Skew

1. Enter the SP mode and set SP1206-001 to "2" (OFF).
2. Disconnect the peripheral unit from the upstream unit.
3. Locate and remove the spacers from the peripheral unit where the problem occurred.

Locating and Removing Spacers

The photos below show where you can find the spacers for each unit.

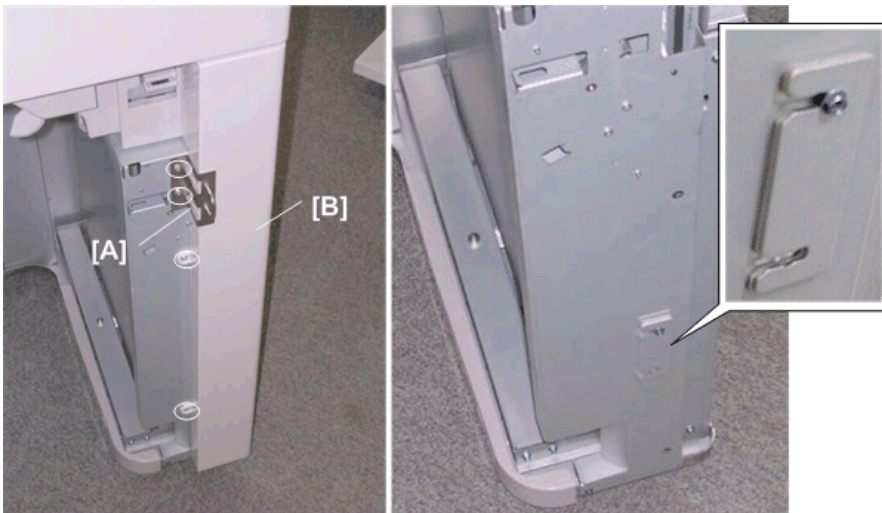
Multi Folding Unit



d454i111

High Capacity Stacker

1. Open the front door.
2. Remove the right lock hasp [A]. (🔧 ×2)
3. Remove the right front cover [B]. (🔧 ×2)
4. Remove the spacers. (🔧 ×1)



d059i817

Finisher

1. Open the front door. (🔧 ×1)

2. Remove the spacers. (🔑 ×1)



d059i818

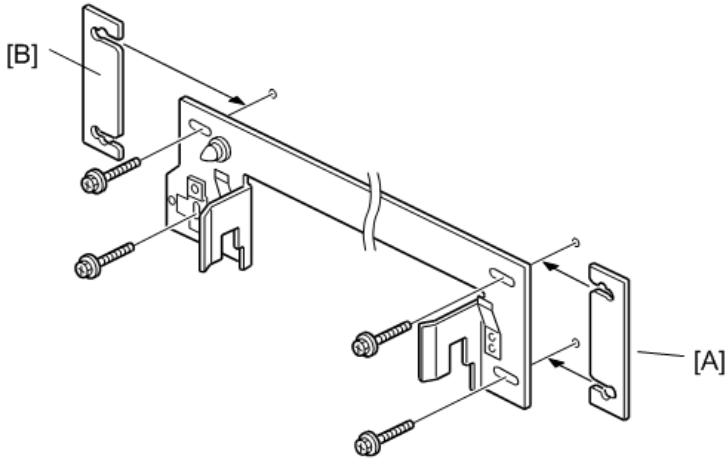
Inserting Spacers

1. Loosen the screws (🔑 ×4) of the joint 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 of the paper is skewing toward the front of the machine, insert a spacer [A] 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 [B] under the front end of the bracket and tighten the screws.



d392i906

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 SP1206-001 to "1".

Security Setting

Security Function Installation

The machine contains the Security functions (Data Overwrite Security and HDD Encryption unit) 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 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 the encryption process is in progress.

If the machine's main power is turned off while the encryption process 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 is needed, 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 BCU has nothing to do with this.

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

Data Overwrite Security

Before You Begin the Procedure

2

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 a 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]

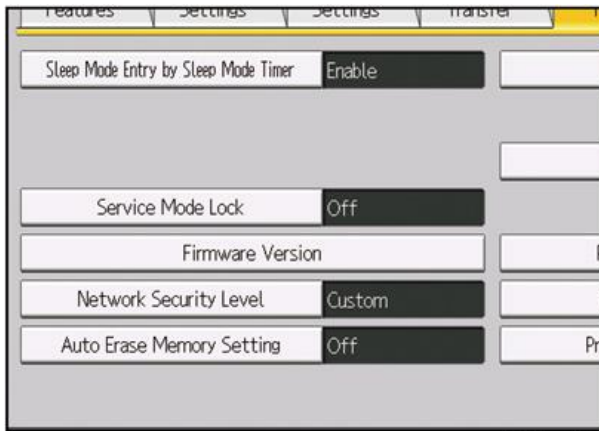
If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

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 [System Settings].
3. Press [Administrator Tools].
4. Press [Next] three times.

5. Press [Auto Erase Memory Setting].



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6. Press [On].

7. Select the method of overwriting.

If you select [NSA] or [DoD], proceed to step 10.

If you select [Random Numbers], proceed to step 8.

8. Press [Change].

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

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

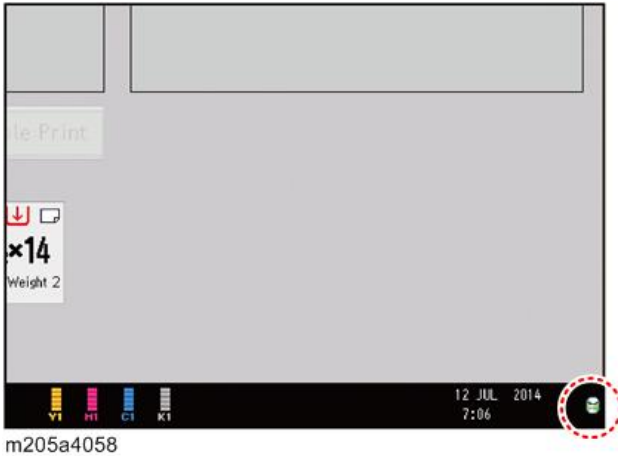
11. Log out.



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

13. 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.



	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.

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 a factory default value, tell the customer these settings must be changed before you do the installation procedure.

2. Confirm that "Admin. Authentication" is on: [User tools/Counter] key - [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.

[User tools/Counter] key - [System Settings] - [Administrator Tools] - [Administrator Authentication Management] - [Available Settings]

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

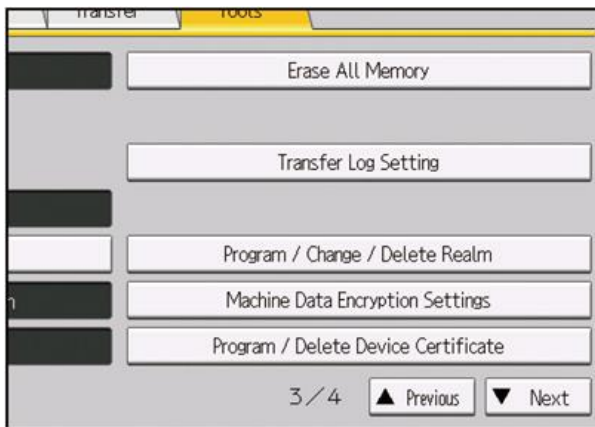
If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.

Enable Encryption Setting

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

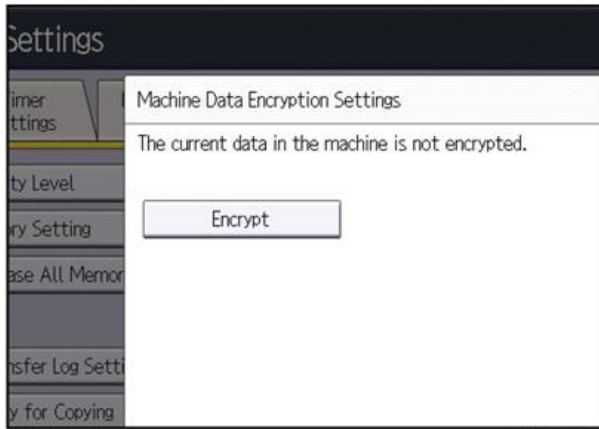
★ Important

- 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 [System Settings].
 4. Press [Administrator Tools].
 5. Press [Next] three times.
 6. Press [Machine Data Encryption Settings].



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7. Press [Encrypt].



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8. Select the data to be carried over to the HDD and not be reset.

To carry all of the data over to the HDD, 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].

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] to back up the machine's data encryption key.

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

10. Press [OK].

11. Press [Exit].

12. Press [Exit].

13. Log out.

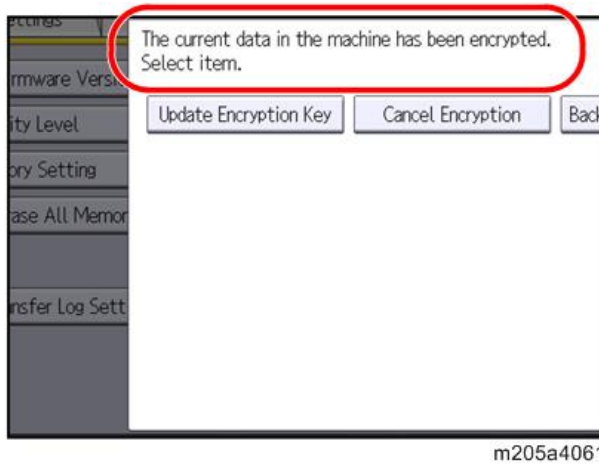
14. Turn off the main power, and then turn the main power back on.

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/Counter] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [Machine Data Encryption Settings].

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



Backing Up the Encryption Key

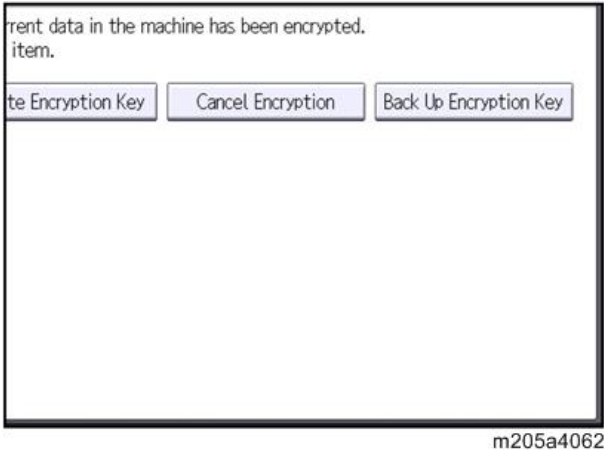
The encryption key can be backed up. Select whether to save it to an SD card or to print it.

★ 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 [System Settings].
3. Press [Administrator Tools].
4. Press [Next] three times.
5. Press [Machine Data Encryption Settings].

6. Press [Back Up Encryption Key].



7. 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.

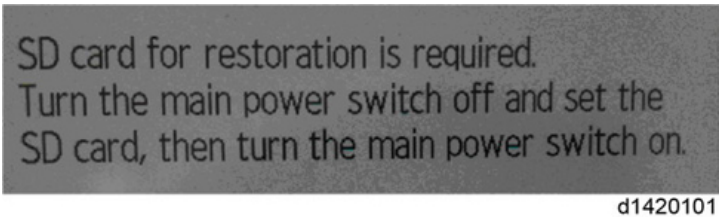
8. Press [Exit].

9. 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_XXXXXXXXXX.txt" and save it in the "XXXXXXXXXX" folder. Write the encryption key in the text file.

/restore_key/XXXXXXXXXX/key_XXXXXXXXXX.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_XXXXXXXXXX.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.
 8. Turn on the main power switch, the machine automatically clear the HDD encryption.
 9. Turn off the main power when the machine has returned to normal status.
 10. Remove the SD card from SD card Slot 2.
 11. Turn on the main power.
 12. Memory clear SP5-801-xx (Exclude SP-5-801-001: All Clear and SP-5-801-002: Engine), and clear SP5-846-046: address book.
 13. Set necessary user settings in User Tools key.

@Remote Settings

Note

- Prepare and check the following check points before you visit the customer site. For details, ask the @Remote key person.

Check points before making @Remote settings

1. The setting of SP5816-201 in the mainframe must be "0".
2. Print the SMC with SP5990-002 and then check if a device ID2 (SP5811-003) must be correctly programmed.
 - 6 spaces must be put between the 3-digit prefix and the following 8-digit number (e.g. xxx_____xxxxxxxx).
 - ID2 (SP5811-003) and the serial number (SP5811-001) must be the same (e.g. ID2: A01_____23456789 = serial No. A0123456789)
3. The following settings must be correctly programmed.
 - Proxy server IP address (SP5816-063)
 - Proxy server Port number (SP5816-064)
 - Proxy User ID (SP5816-065)
 - Proxy Password (SP5816-066)
4. Get a Request Number

Execute the @Remote Settings

1. Enter the SP mode.
2. Input the Request number which you have obtained from @Remote Center GUI, and then enter [OK] with SP5816-202.
3. Confirm the Request number, and then click [EXECUTE] with SP5816-203.
4. Check the confirmation result with SP5816-204.

Value	Meaning	Solution/ Workaround
0	Succeeded	-
3	Communication error (proxy enabled)	Check the network condition.
4	Communication error (proxy disabled)	Check the network condition.
5	Proxy error (authentication error)	Check Proxy user name and password.

Value	Meaning	Solution/ Workaround
6	Communication error	Check the network condition.
8	Other error	See "SP5816-208 Error Codes" below this.
9	Request number confirmation executing	Processing... Please wait.
11	Already registered	-
12	Parameter error	-
20	Dial-up authentication error	* These errors occur only in the modems that support @Remote.
21	Answer tone detection error	
22	Carrier detection error	
23	Invalid setting value (modem)	
24	Low power supply current	
25	unplugged modem	
26	Busy line	

5. Make sure that the screen displays the Location Information with SP5816-205 only when it has been input at the Center GUI.
6. Click [EXECUTE] to execute the registration with SP5816-206.
7. Check the registration result with SP5816-207.

Value	Meaning	Solution/ Workaround
0	Succeeded	-
1	Request number error	Check the request number again.
2	Already registered	Check the registration status.
3	Communication error (proxy enabled)	Check the network condition.
4	Communication error (proxy disabled)	Check the network condition.
5	Proxy error (Authentication error)	Check Proxy user name and password.

Value	Meaning	Solution/ Workaround
8	Other error	See "SP5816-208 Error Codes" below this.
9	Request number confirmation executing	Processing... Please wait.
11	Already registered	-
12	Parameter error	-
20	Dial-up authentication error	* These errors occur only in the modems that support @Remote.
21	Answer tone detection error	
22	Carrier detection error	
23	Invalid setting value (modem)	
24	Low power supply current	
25	unplugged modem	
26	Busy line	

8. Exit the SP mode.

SP5816-208 Error Codes

Caused by Operation Error, Incorrect Setting

Code	Meaning	Solution/ Workaround
-12002	Inquiry, registration attempted without acquiring Request No.	Obtain a Request Number before attempting the Inquiry or Registration.
-12003	Attempted registration without execution of a confirmation and no previous registration.	Perform Confirmation before attempting the Registration.
-12004	Attempted setting with illegal entries for certification and ID2.	Check ID2 of the mainframe.
-12005	@Remote communication is prohibited. The device has an Embedded RC gate-related problem.	Make sure that "Remote Service" in User Tools is set to "Do not prohibit".

Code	Meaning	Solution/ Workaround
-12006	A confirmation request was made after the confirmation had been already completed.	Execute registration.
-12007	The request number used at registration was different from the one used at confirmation.	Check Request No.
-12008	Update certification failed because mainframe was in use.	Check the mainframe condition. If the mainframe is in use, try again later.
-12009	The ID2 in the NVRAM does not match the ID2 in the individual certification.	Check ID2 of the mainframe.
-12010	The certification area is not initialized.	Initialize the certification area.

Error Caused by Response from GW URL

Code	Meaning	Solution/ Workaround
-2385	Other error	
-2387	Not supported at the Service Center	
-2389	Database out of service	
-2390	Program out of service	
-2391	Two registrations for the same mainframe	Check the registration condition of the mainframe
-2392	Parameter error	
-2393	External RCG not managed	
-2394	Mainframe not managed	
-2395	Box ID for external RCG is illegal.	
-2396	Mainframe ID for external RCG is illegal.	
-2397	Incorrect ID2 format	Check the ID2 of the mainframe.
-2398	Incorrect request number format	Check the Request No.

3. Preventive Maintenance

Preventive Maintenance Tables

See "Appendices" for the following information:

- Preventive Maintenance Tables

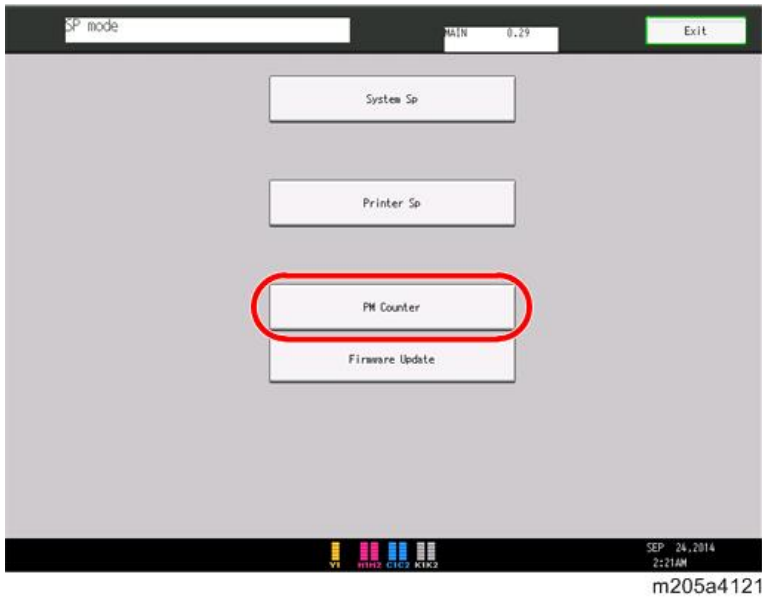
PM Counter Display

Opening the PM Counter

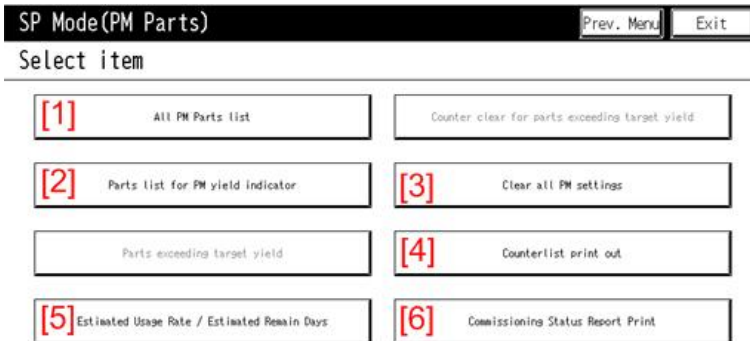
In the SP mode, there is a management screen of PM counter.

1. Enter the SP mode.
2. Press [PM Counter].

3



3. Select the item you want to configure.



3

[1] All PM Parts List.

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

Displays on 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 with the [Clear] button.

Note:

- Adjustments shown in the following table will be executed automatically after the following conditions are satisfied.
 - The corresponding PM counter clear button(s) is/are pressed.
 - The front cover of the machine is closed.
- Do not perform these adjustments manually, because these adjustments are programmed to start automatically when these conditions are satisfied.

No.	PM item	Adjustments executed automatically after the PM counter is cleared and the front cover is closed.
1	OPC drum (Photoconductor Unit)	<ul style="list-style-type: none"> • Drum cleaning initialization (SP3032-001 through 006 for the required colors) • Process control (Density Adjustment) (SP3011-002) • MUSIC (SP2111-001) • DEMS (SP3040-001 through 005 for the required colors) • Main scan shading correction (SP3069-001 through 005 for the required colors)
2	PCU Cleaning Unit	<ul style="list-style-type: none"> • Drum cleaning initialization (SP3032-001 through 006 for the required colors) • Process control (Density Adjustment) (SP3011-002) • DEMS (SP3040-001 through 005 for the required colors)
3	ITB (Intermediate Transfer Belt)	<ul style="list-style-type: none"> • Process control (Density Adjustment) (SP3011-002) • MUSIC (SP2111-001)
4	Image Transfer Roller	<ul style="list-style-type: none"> • Process control (Density Adjustment) (SP3011-002) • MUSIC (SP2111-001)
5	Paper Transfer Unit	<ul style="list-style-type: none"> • Paper Transfer Unit Set Up (SP3033-001) • Process control (Density Adjustment) (SP3011-002) • MUSIC (SP2111-001)
6	Developer (C,M,Y,K)	<ul style="list-style-type: none"> • TD sensor initialization (SP3030-001 through 006 for the required colors) • Process control (Density Adjustment) (SP3011-002) • Main scan shading correction (SP3069-001 through 005 for the required colors)
7	Drum Charge Unit	<ul style="list-style-type: none"> • Drum Charge Unit cleaning (SP2222-001 through 004 for the required colors) • Process control (Density Adjustment) (SP3011-002)

[4] Counter list print out

Prints the PM counter on paper.

[5] Estimated Usage Rate / Estimated Remain Days

Displays the estimated usage rate (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

Prints the status report.

PM Parts Screen Details

All PM Parts list: Main Menu

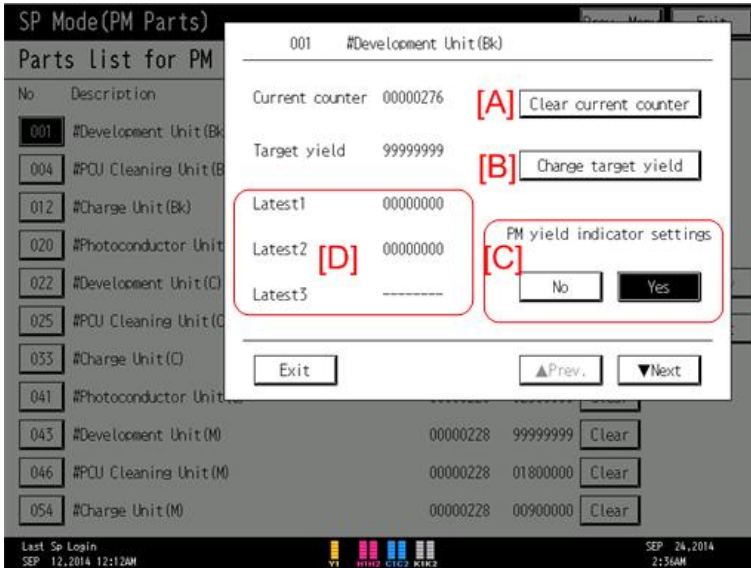
The "All PM Parts list" displays all PM units and individual items. This list shows all PM items, regardless of their "PM yield indicator settings".

SP Mode(PM Parts)					Prev. Menu	Exit
ALL PM Parts List		Select parts				
No	Description	PM yield	Current	Target		
[001]	#Development Unit(Bk)	YES	00000276	99999999	Clear	
[002]	Developer(Bk)	YES	00000276	99999999	Clear	
[003]	Development Unit(Bk):Vent Filter	YES	00000276	99999999	Clear	
[004]	#PCU Cleaning Unit(Bk)	YES	00000276	01800000	Clear	01/16
[005]	PCU CL(Bk):Cleaning Blade	YES	00000276	01800000	Clear	▲Prev
[006]	PCU CL(Bk):Cleaning Roller	YES	00000276	01800000	Clear	▼Next
[007]	PCU CL(Bk):Lubrication Blade	YES	00000276	01800000	Clear	
[008]	PCU CL(Bk):Lubrication Roller	YES	00000276	01800000	Clear	
[009]	PCU CL(Bk):Lubricant	YES	00000276	01800000	Clear	
[010]	PCU CL(Bk):Collection Blade	YES	00000276	01800000	Clear	
[012]	#Charge Unit(Bk)	YES	00000276	00900000	Clear	
[A]	[B]	[C]	[D]	[E]	[F]	m205z5402

- [A]: Number buttons. Pressing a number button opens a submenu.
- [B]: Descriptions. The # mark denotes a "unit" (not an individual item).
- [C]: PM yield buttons. Function is the same as the "PM yield indicator settings" button.
- [D]: Current PM counter value.
- [E]: Target PM interval. This can be changed by pressing a number button [A].
- [F]: PM counter clear button. Function is the same as the [Clear current counter] button.

Number Button Submenu

Press any number button to open the submenu for a part. In the example below, the number button [001] #Development Unit was pressed.



m205z5403

[A]: Clear current counter

Press to reset the selected PM counter (in this example 001 #Development Unit) to "0". You can also clear the settings by pressing the [Clear] button on the right side of the PM Counter Main Menu ([F] in the previous section).

[B]: Change target yield

Press the 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 [#] on the operation panel.

[C]: PM yield indicator settings

[Yes] is the default. Press [No] to remove the current item from the "Parts list for PM yield indicator".

- 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

This list shows the PM Parts Main Menu with only items set to "Yes".

An asterisk (*) will appear in the Exceed column [A] to show items that have exceeded their target PM yields.

No	Description	Exceed	Current	Target	Clear
001	#Development Unit(Bk)	[A]	00000276	99999999	Clear
004	#PCU Cleaning Unit(Bk)		00000276	01800000	Clear
012	#Charge Unit(Bk)		00000276	00900000	Clear
020	#Photoconductor Unit(Bk)		00000276	02500000	Clear
022	#Development Unit(C)		00000228	99999999	Clear
025	#PCU Cleaning Unit(C)		00000228	01800000	Clear
053	#Charge Unit(C)		00000228	00900000	Clear
041	#Photoconductor Unit(C)		00000228	02500000	Clear
043	#Development Unit(M)		00000228	99999999	Clear
046	#PCU Cleaning Unit(M)		00000228	01800000	Clear
054	#Charge Unit(M)		00000228	00900000	Clear

01/08

▲Prev

▼Next

Last Sp Login SEP 12, 2014 12:12AM

SEP 24, 2014 2:24AM

m205z5404

Estimated Usage Rate/Estimated Remaining Days

It 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.

SP Mode (PM Parts)		Prev. Menu	Exit	
Estimated UsageRate/RemainDays Select parts				
No	Description	Exceed	Usage Rate	Remain Days
[001]	#Development Unit(Bk)	000	255	Clear
[004]	#PCU Cleaning Unit(Bk)	000	255	Clear
[012]	#Charge Unit(Bk)	000	255	Clear
[020]	#Photoconductor Unit(Bk)	000	255	Clear
[022]	#Development Unit(C)	000	255	Clear
[025]	#PCU Cleaning Unit(C)	000	255	Clear
[033]	#Charge Unit(C)	000	255	Clear
[041]	#Photoconductor Unit(C)	000	255	Clear
[043]	#Development Unit(M)	000	255	Clear
[046]	#PCU Cleaning Unit(M)	000	255	Clear
[054]	#Charge Unit(M)	000	255	Clear

01/08
▲Prev
▼Next

[A] [B] [C] [D] [E] m205z5405

[A]: Number buttons. Pressing a number button opens a submenu.

[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]: Clear button

Calculation of Estimated remaining days (255 to 0 days) and Estimated usage rate (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 (SP7621-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 rate % (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 rate % (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 (SMC Report).

Contents of the status report are as follows:

SP No.	SP Name
SP7-403-001 to 010	SC History
SP7-507-001 to 010	Plotter Jam History (Print Engine Jam History)
SP7-910-001, 002	ROM No (-001: System, -002: Engine)
SP7-911-001, 002	Firmware version (-001: System, -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)
SP8591-001	O: Counter (-001: A3/DLT, -002: Duplex)

Cleaning Points (1)

How to Clean the Parts

- **Cleaning the rollers**
Clean the rollers with a dry cloth.
Do not touch the surface of the rollers with bare hands.
- **Cleaning the sensors**
Clean the sensors with a blower brush.
When you clean a sensor inside a bracket or plate, insert the blower brush head into the sensor hole, and then clean the sensor.

3

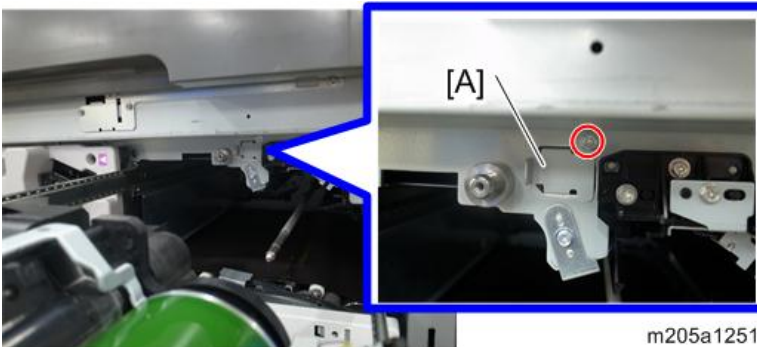
Before the Cleaning

1. Turn the main power switch and AC power switch OFF.
2. Unplug the power cord of the imaging section and power cord of fusing section from its power source.
3. Wait more than 20 minutes to cool down the machine.

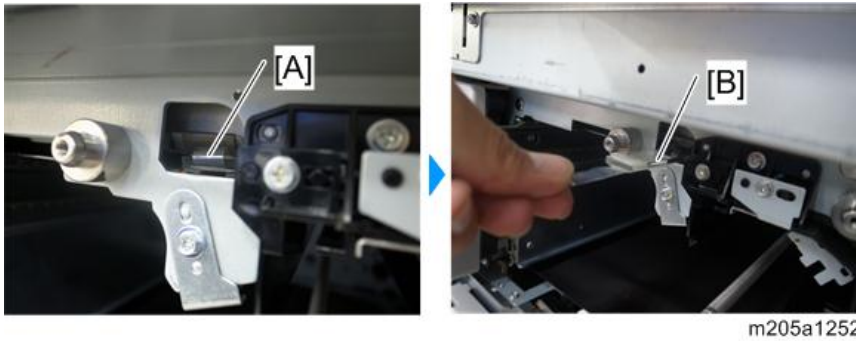
Laser Unit

Toner Shield Glass

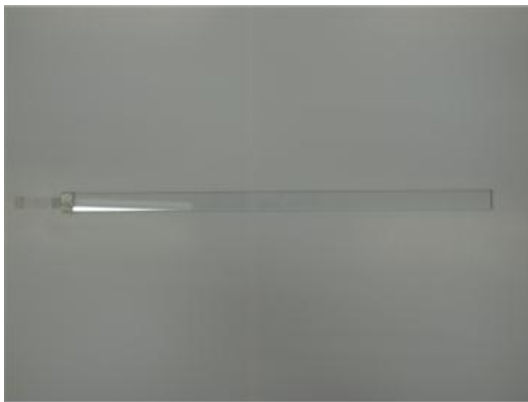
1. Pull out the PCDU (page 753)
2. Toner shield glass cover [A] (🔩×1)



3. Pull out the strip [A], and then slowly pull it to remove the toner shield glass [B].



4. Wipe the toner shield glass with a dry optical cloth.



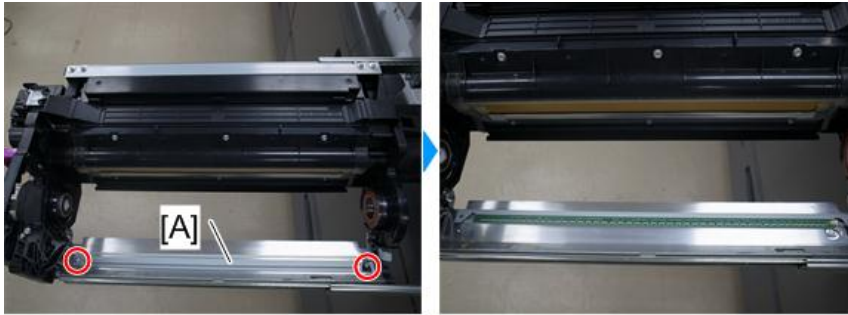
m205a1253

PCDU

Quenching Lamp 1

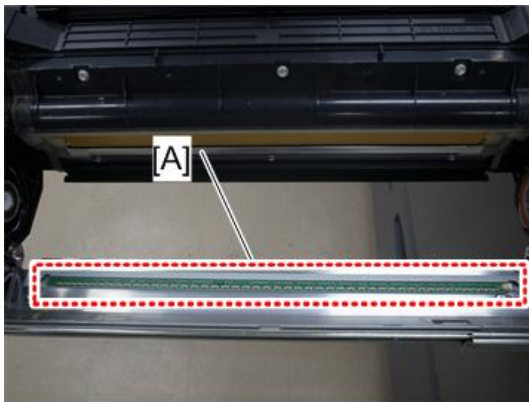
1. PCU (page 775)

2. Remove the screws on quenching lamp 1 [A], and then turn it over. (🔑 ×2)



m205a1388

3. Wipe quenching lamp 1 [A] with a blower brush and a dry cloth.



m205a1389

Quenching Lamp 2

Clean quenching lamp 2 when an afterimage of the previously printed image appears on the printouts.

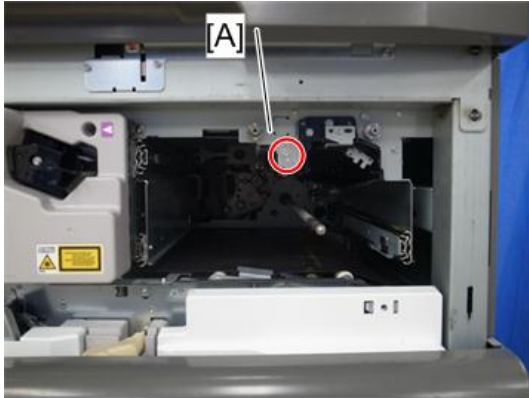
1. Pull out the PCDU. (PCDU)
2. Clean quenching lamp 2 [A] with a blower brush.



m205a0206

Potential Sensor

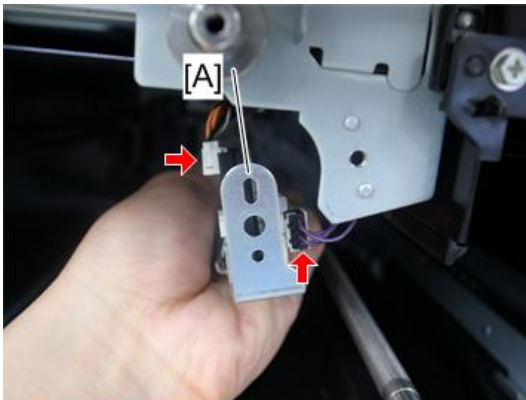
1. Development unit (page 779)
2. Remove the screw on the sensor bracket [A]. (⊗×1)



m205a1241

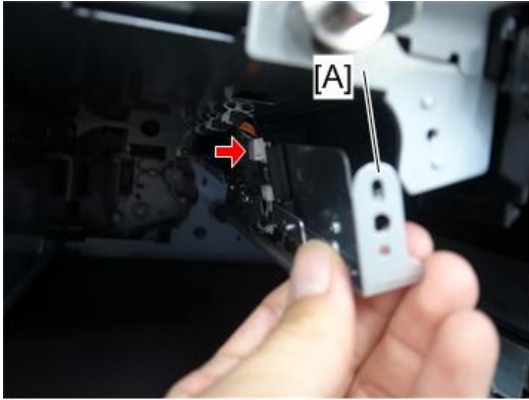
3. Move the sensor bracket [A] downward, and then disconnect the connectors to remove the bracket.

- Potential sensor (K/Y):  ×2



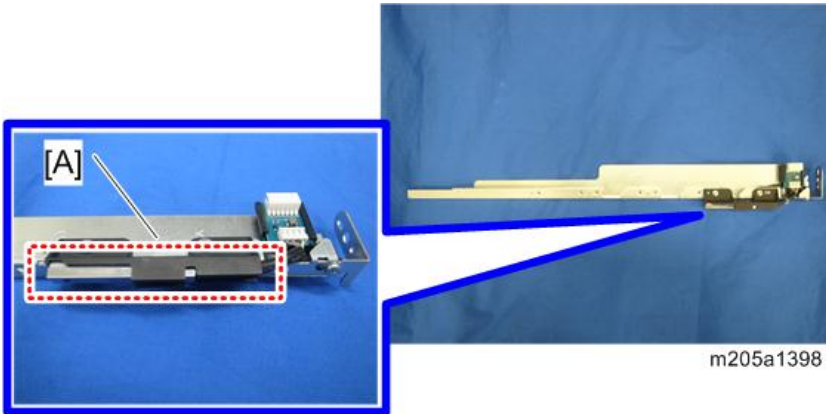
m205a1242

- Potential sensor (C/M):  ×1



m205a1243

4. Clean the potential sensor [A] with a blower brush.



m205a1398

↓ Note

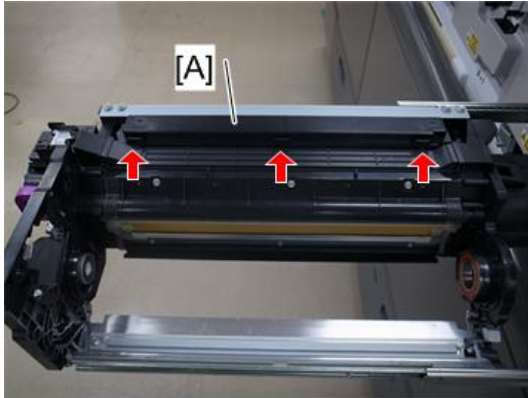
- Position of the potential sensor is different by color (K/C/M/Y).



m205a1245

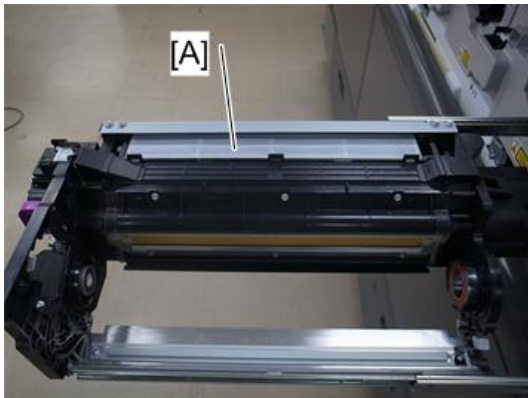
Vent Filter

1. PCU (page 775)
2. Filter cover [A] (hook×3)



m205a1236

3. Clean the vent filter [A] by tapping it.

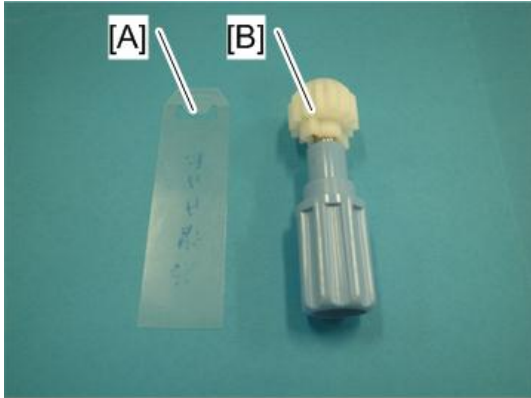


m205a1237

Doctor Blade, Development Roller

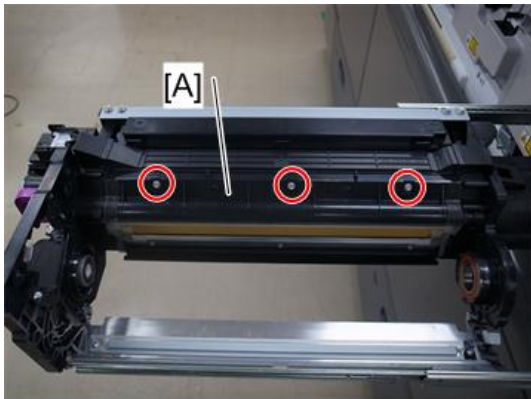
Note

- Prepare the sheet jig [A] and the handle jig [B] in advance. These are service parts, and are not supplied with the machine as accessories.



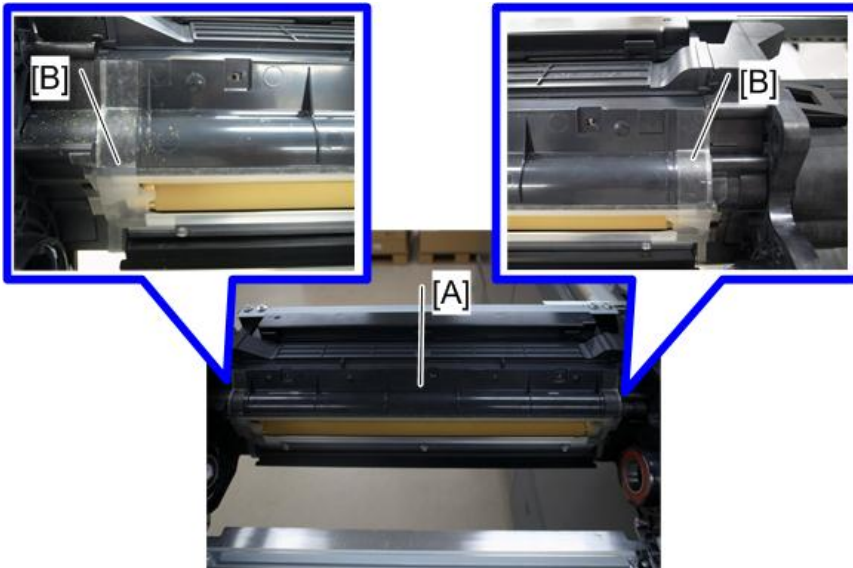
m205a1332

1. PCU (page 775)
2. Place a cloth or paper under the development unit not to contaminate a floor with spilled developer.
3. Remove the screws on the cover [A]. (Ⓢ ×3)



m205a1238

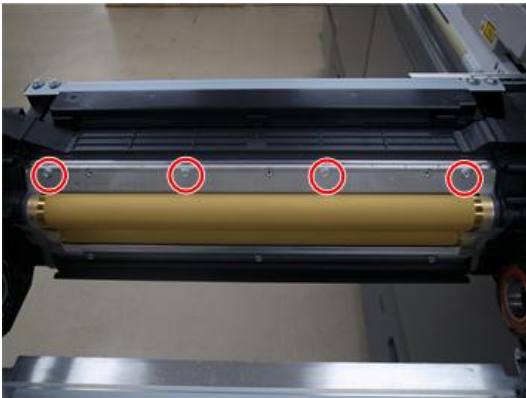
4. Remove the cover [A] carefully not to damage the tape [B] on the both ends of the cover.



m205a1239

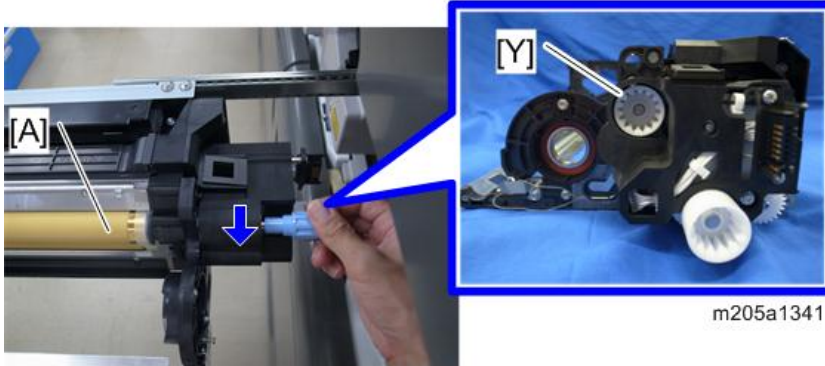
★ Important

- Never remove the screws on the doctor blade.



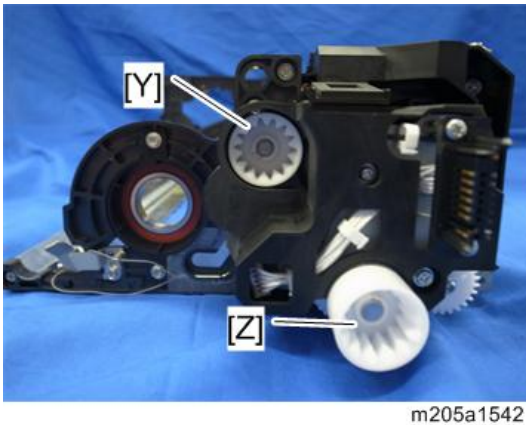
m205a1240

5. Set the handle jig to the development roller gear [Y], and then rotate it in the direction of arrow until no developer comes out on the development roller [A].

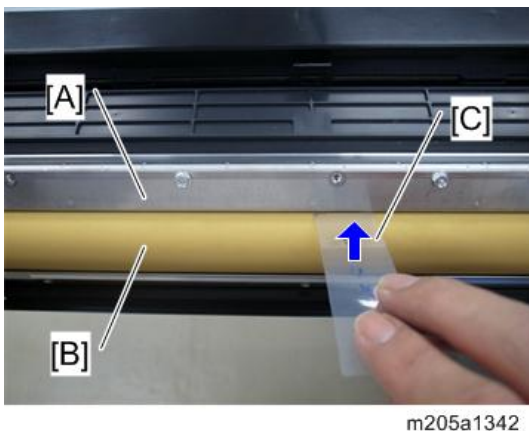


Note

- There are two gears on the right side of the development unit; the development roller gear [Y], the transport auger gear [Z]

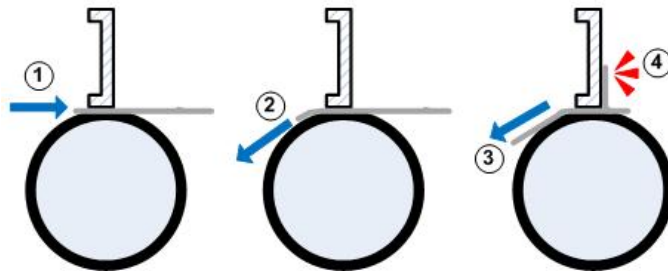


6. Insert the sheet jig [C] to a gap between the doctor blade [A] and development roller [B].



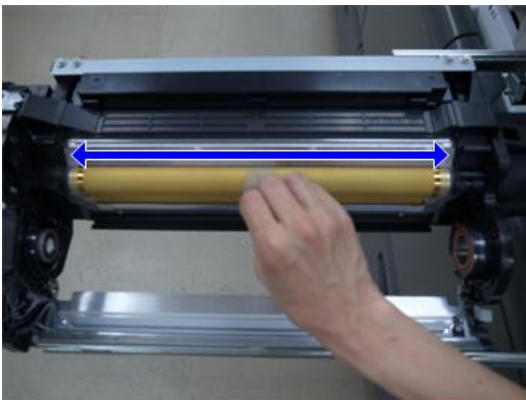
Note

- The sheet jig [A] has a cut-out and flap [B].
 - Make a bending at the [B] be downward, and then insert the sheet jig to a gap between the doctor blade and development roller.
 - Lower the edge of jig to about a 45-degree angle.
 - Slowly, pull the jig out. As you pull, the flap should catch on the back of the doctor blade and snap to the vertical against the back of the blade.



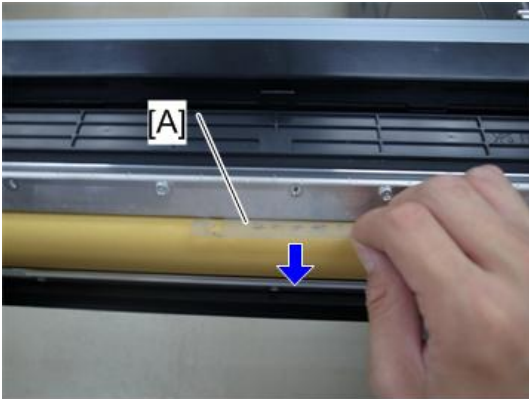
d1793011

- Move the sheet jig from side to side to remove toner from the blade.



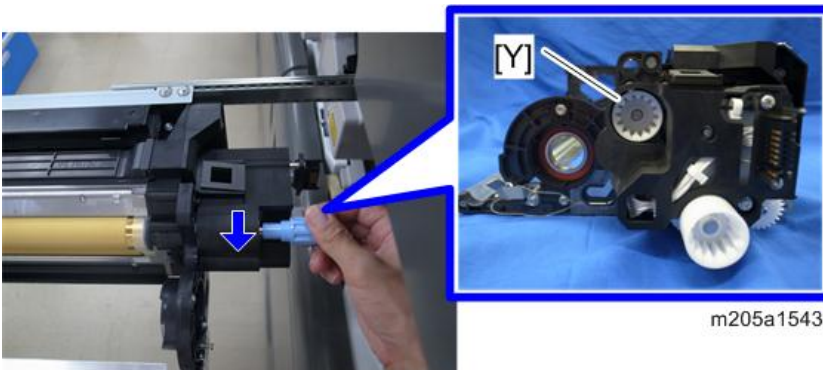
m205a1343

8. Turn the sheet jig [A] as shown below, and then remove it.



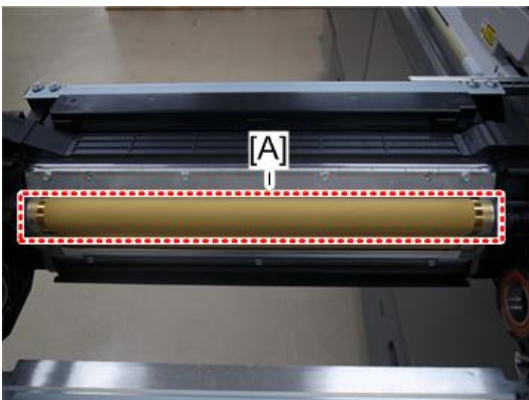
m205a1344

9. Set the handle jig to the development roller gear [Y], and then rotate it about 1/4 turn in the direction of the arrow.



m205a1543

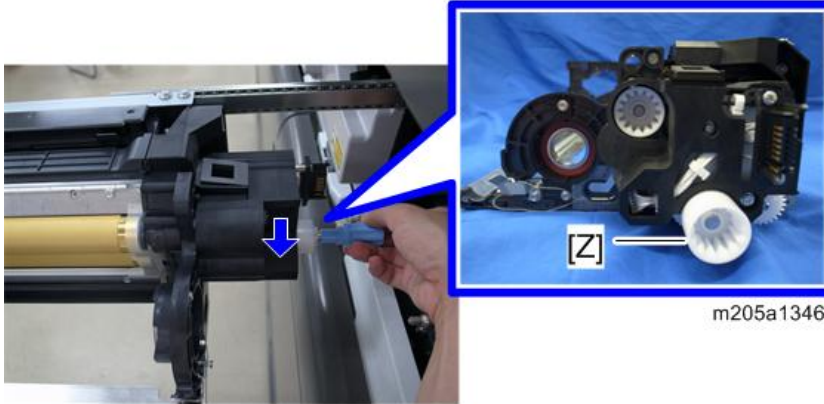
10. Clean the developer that came out on the development roller [A] in the previous procedure with a vacuum cleaner.



m205a1345

11. Repeat Steps 6 to 10 more than three times.

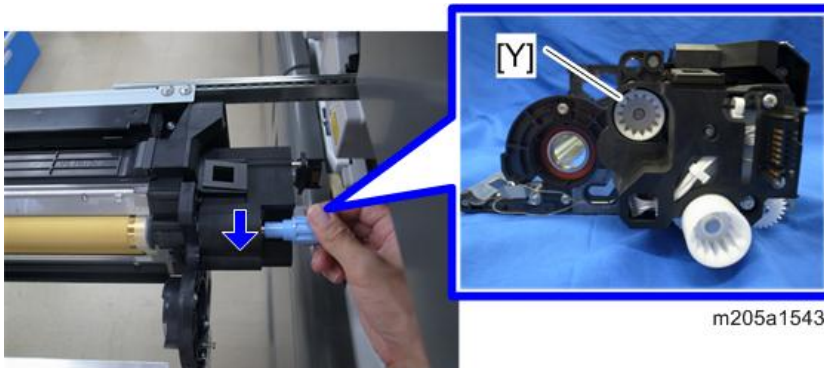
12. Set the handle jig to the transport auger gear [Z], and then rotate it in the direction of arrow more than 10 times.



Note

- If you rotate the handle jig in the wrong direction, rotate it in the correct direction as shown above more than 20 times. Otherwise, developer balance may be distorted and the development unit may be damaged.

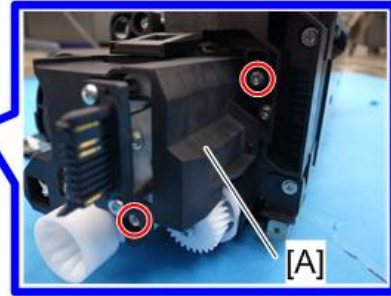
13. Set the handle jig to the development roller gear [Y], and then rotate it in the direction of arrow one time to transfer the developer to the development roller.



Development Unit (Gears)

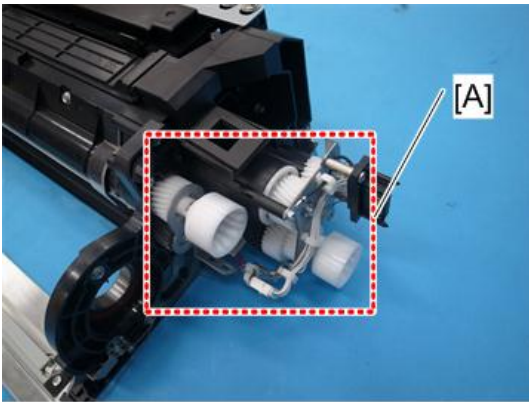
1. Development unit (page 779)

2. Remove the gear cover [A]. (⌀ ×2)



m205a1337

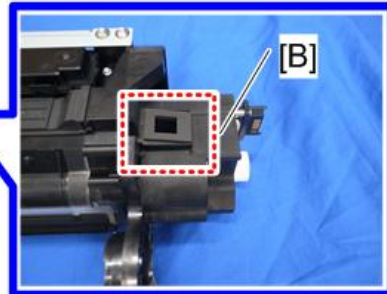
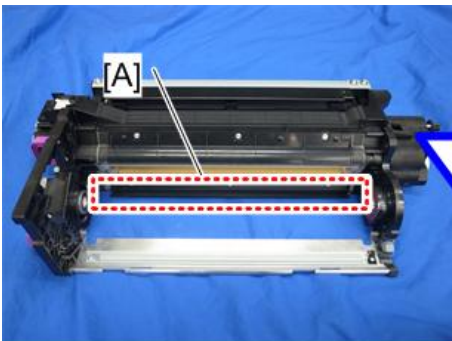
3. Clean the gears [A] with a blower brush and a dry cloth.



m205a1338

Development Unit

1. Development unit (page 779)
2. Clean the [A] area under the development roller and the toner entrance [B] with a blower brush and a dry cloth.



m205a1399

Toner Supply Unit

1. Turn the machine ON.

Do the following procedure to turn the machine ON.

1. Plug the power cord of the imaging section and power cord of fusing section into its power source.
2. Turn the AC power switch ON.
3. Turn the main power switch ON.

2. Remove the toner bottles.

If there are any bottles which do not come out by pressing the green lever, set the following SP to "0".



m205a2898

Toner bottle which do not come out	SP No.	SP Name
Y1	SP3-162-004	Bottle Open/Close: Open/Close: Y1: Left Bottle
Y2	SP3-162-008	Bottle Open/Close: Open/Close: Y2: Right Bottle
M1	SP3-162-003	Bottle Open/Close: Open/Close: M1: Left Bottle
M2	SP3-162-007	Bottle Open/Close: Open/Close: M2: Right Bottle
C1	SP3-162-002	Bottle Open/Close: Open/Close: C1: Left Bottle
C2	SP3-162-006	Bottle Open/Close: Open/Close: C2: Right Bottle
K1	SP3-162-001	Bottle Open/Close: Open/Close: K1: Left Bottle
K2	SP3-162-005	Bottle Open/Close: Open/Close: K2: Right Bottle

3. Turn the machine OFF.

Do the following procedure to turn the machine OFF.

1. Turn the main power switch OFF.
2. Turn the AC power switch OFF.
3. Unplug the power cord of the imaging section and power cord of fusing section from its power source.

4. Clean the toner bottle entrance [A] with a blower brush and a dry cloth.

3

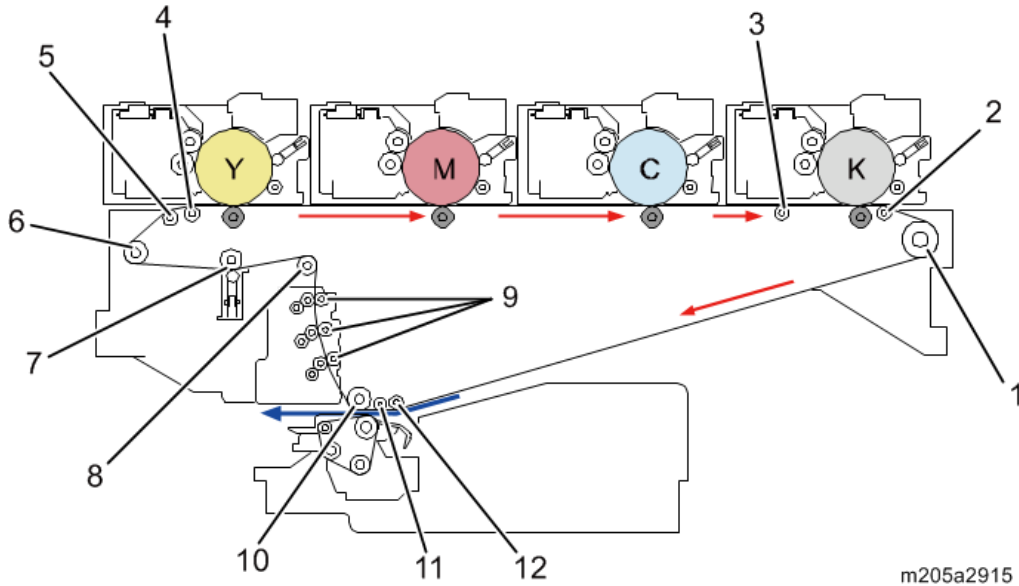


m205a1401

Intermediate Transfer Belt (ITB) Unit

Roller Layout

The following rollers on the ITB unit need cleaning every 1800k prints.



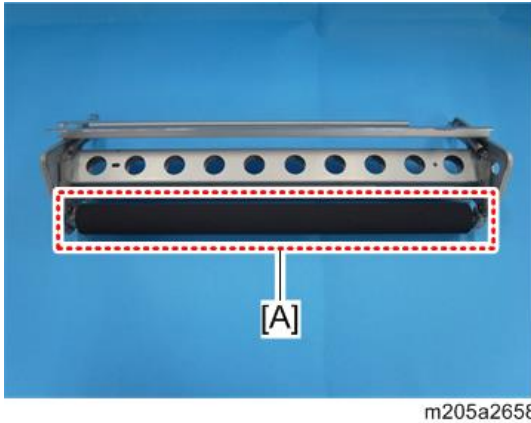
m205a2915

No.	Part Name	No.	Part Name
1	Drive Roller	7	ITB Lubrication Opposing Roller
2	Idle Roller 4	8	Tension Roller
3	Idle Roller 3	9	ITB Cleaning Opposing Roller
4	Idle Roller 2	10	Paper Transfer Bias Roller
5	Idle Roller 1	11	Press Roller
6	ITB Belt Centering Roller	12	Transfer Sub Roller

Tension Roller

1. Tension roller unit (page 802 "Intermediate Transfer Belt")

2. Wipe the tension roller [A] with a dry cloth.



ITB Lubrication Opposing Roller, ITB Cleaning Opposing Roller, Paper Transfer Bias Roller

1. Tension roller unit (page 802 "Intermediate Transfer Belt")
2. Wipe the rollers with a damp cloth.

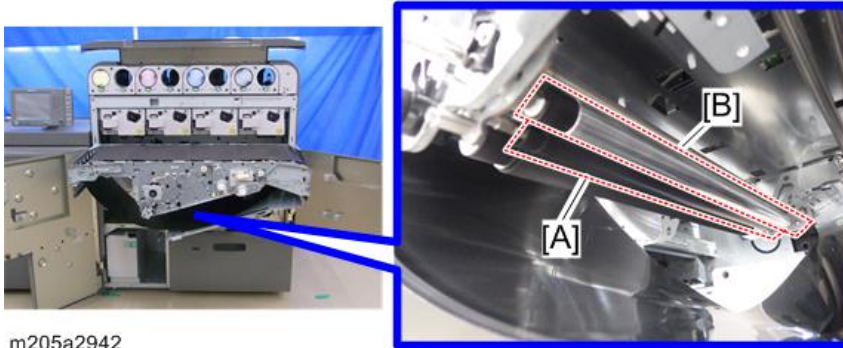


- [A]: ITB Lubrication Opposing Roller
- [B]: ITB Cleaning Opposing Roller (three rollers)
- [C]: Paper Transfer Bias Roller

Press Roller, Transfer Sub Roller

1. Tension roller unit (page 802 "Intermediate Transfer Belt")

2. Wipe the rollers with a damp cloth.

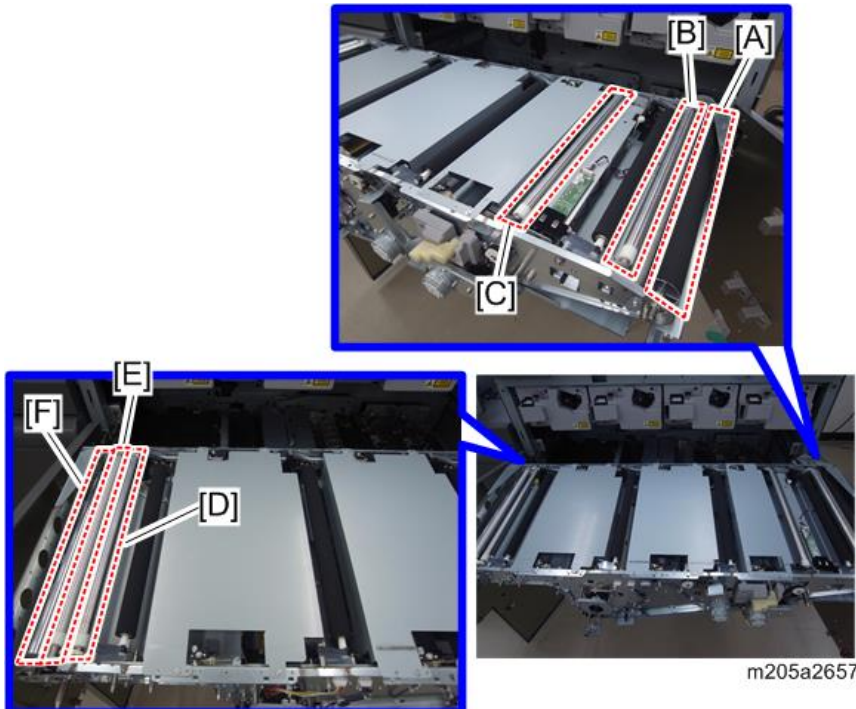


m205a2942

- [A]: Press Roller
- [B]: Transfer Sub Roller

Drive Roller, Idle Roller 1-4, ITB Belt Centering Roller

1. Intermediate transfer belt (page 802)
2. Wipe the rollers with a damp cloth.



m205a2657

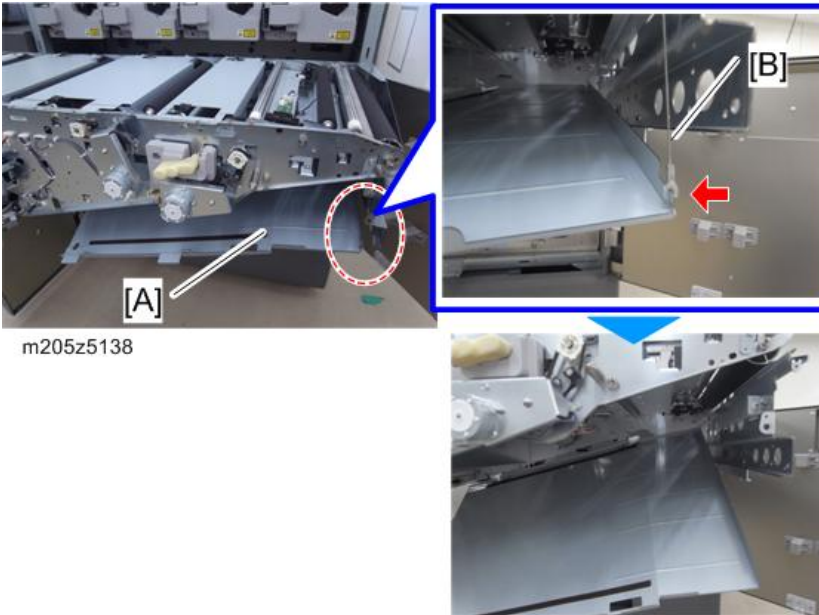
- [A]: Drive Roller

- [B]: Idle Roller 4
- [C]: Idle Roller 3
- [D]: Idle Roller 2
- [E]: Idle Roller 1
- [F]: ITB Belt Centering Roller

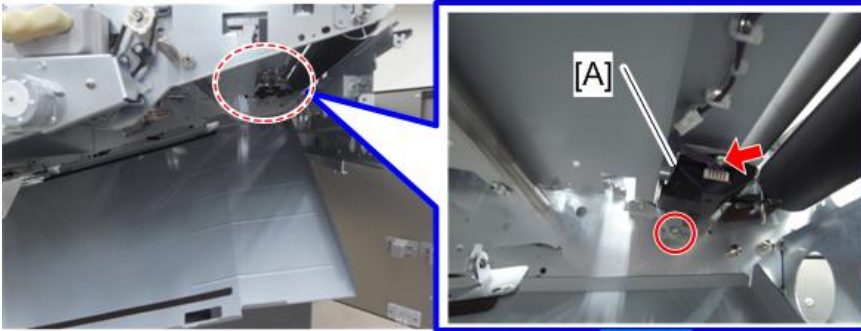
ITB Belt Centering Sensor

3

1. Intermediate transfer belt (page 802)
2. Remove the wire [B] on the bottom cover [A].



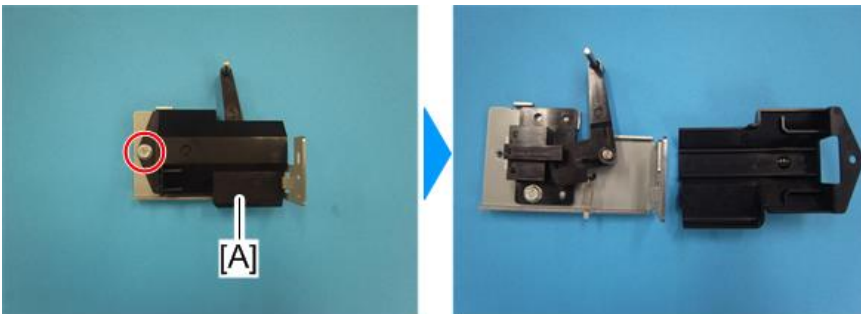
3. ITB belt centering sensor bracket [A] (🌀×1, 📦×1)



m205z5139

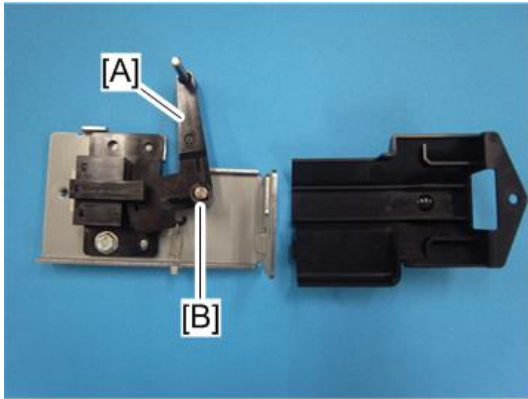


4. Sensor cover [A] (🌀×1)



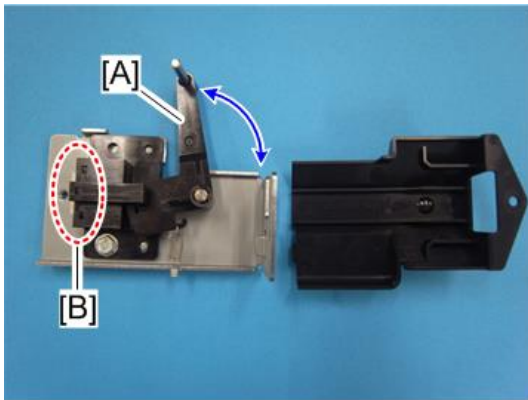
m205a2910

5. Confirm the e-ring [B] is attached to the feeler [A].



m205a2912

6. Clean the lens [B] on the ITB belt centering sensor with a blower brush while moving the feeler [A].



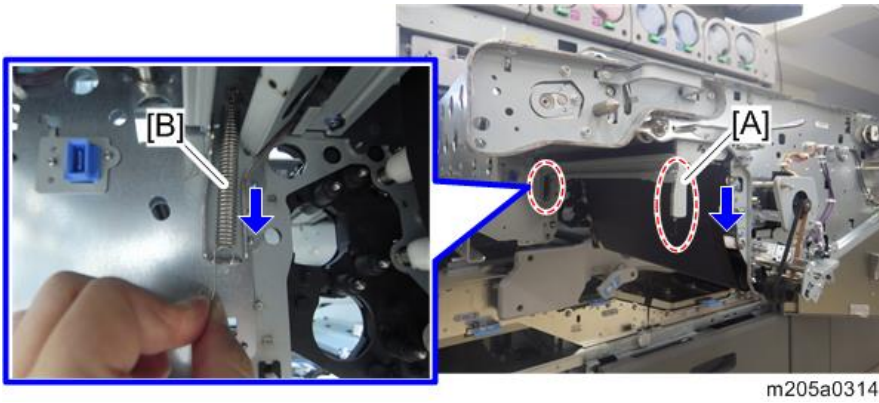
m205a2911

ITB Belt Speed Sensor

ITB belt speed sensor needs cleaning every 900K prints. It also needs cleaning when you replace the EM/PM parts in intermediate transfer belt (ITB) unit.

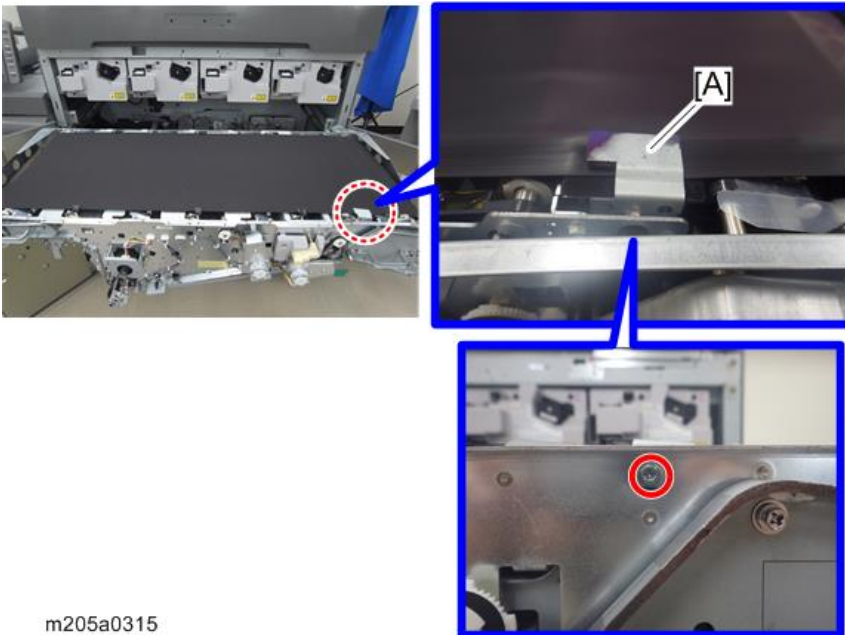
1. Withdraw the ITB unit to the service position (page 798).

2. Tension spring (front) [A], tension spring (rear) [B]

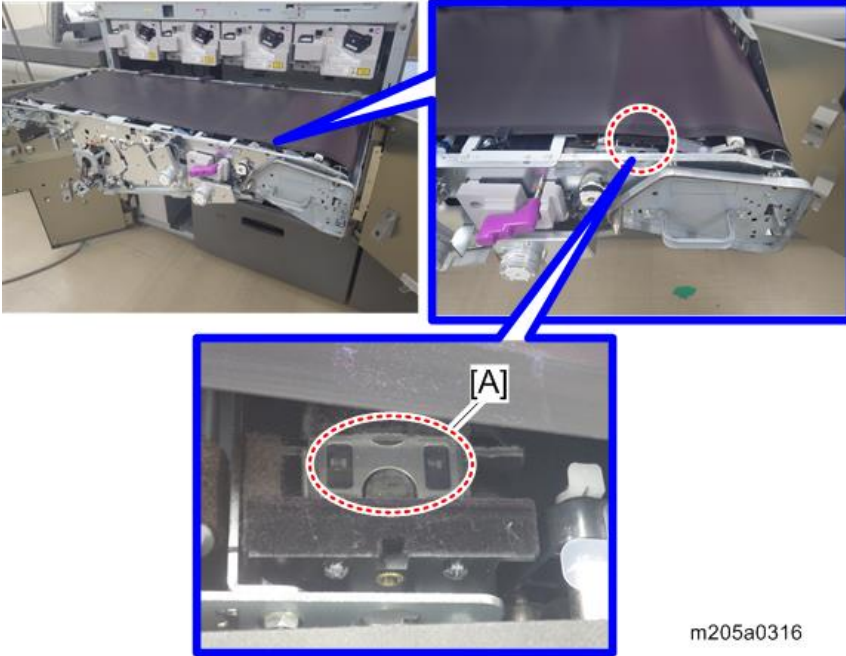


3

3. Remove the pressure plate [A] on the belt. (⌀×1)



4. Clean the lens [A] on the ITB belt speed sensor with a blower brush or with a vacuum cleaner.



5. Clean the lens with a wetted swab.
6. Illuminate the lens with a pen type light, and then make sure that there is no toner.

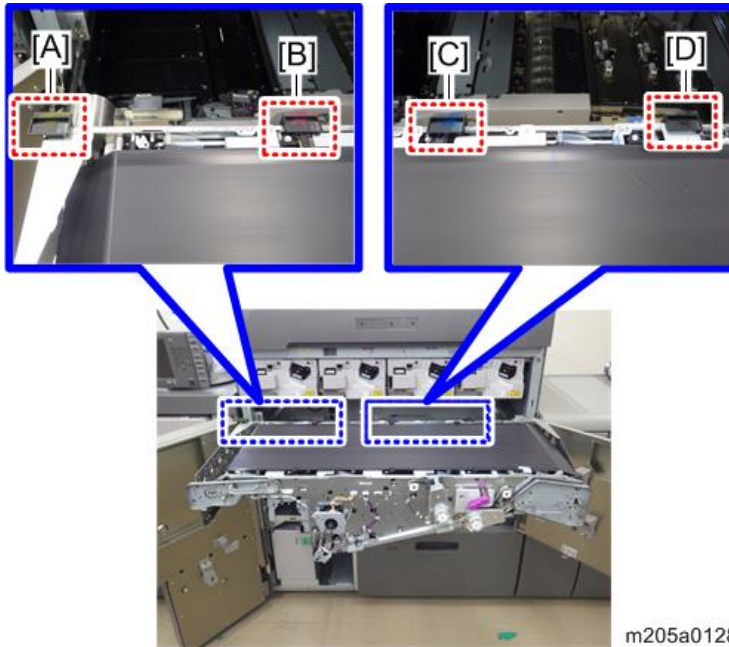
Note

- Use a swab which is not fluffed.
- After cleaning the ITB belt speed sensor, adjust the SP settings. (page 822)

Developer Holder

1. Withdraw the ITB unit to the service position. (page 798)

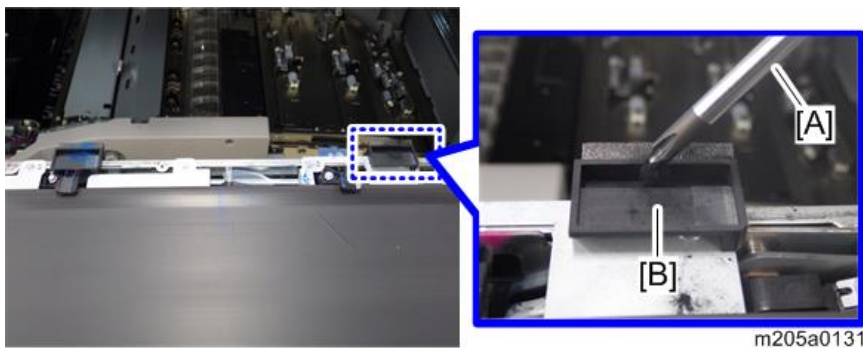
There are four developer holders as shown below.



- [A]: Developer Holder (Y)
- [B]: Developer Holder (M)
- [C]: Developer Holder (C)
- [D]: Developer Holder (K)

2. Remove the toner collected on the developer holders [B] using a magnetic screw driver [A].

Example below: Developer Holder (K)

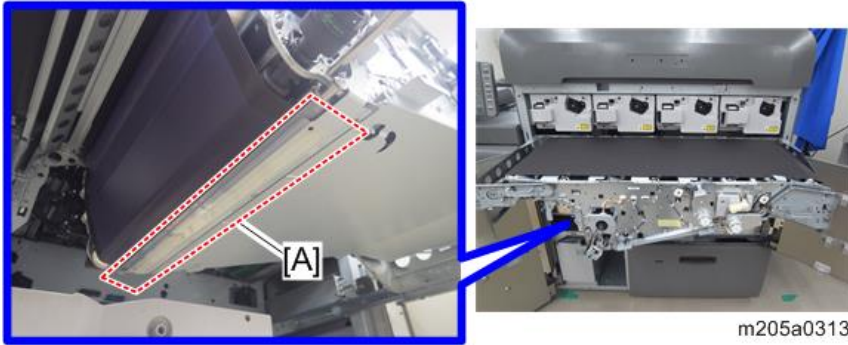


3. Wipe the four developer holders with a dry cloth.

Image Transfer Entrance Guide Plate

1. Withdraw the ITB unit to the service position. (page 798)

2. Clean the image transfer entrance guide plate [A] with a dry cloth.



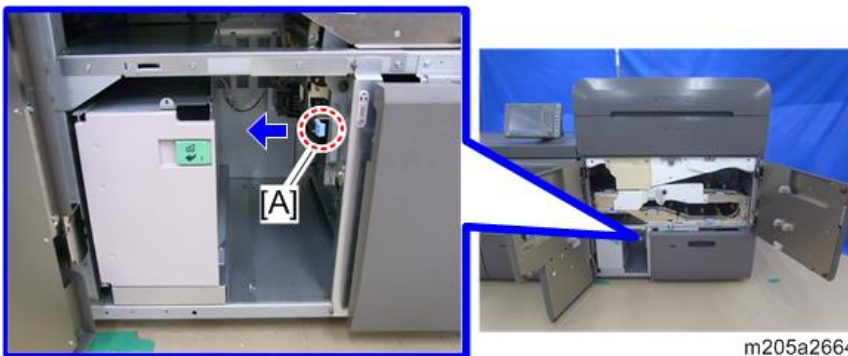
Paper Feed Section (Tray 1)

Vertical Transport Sensor 1-2 (Tray 1)

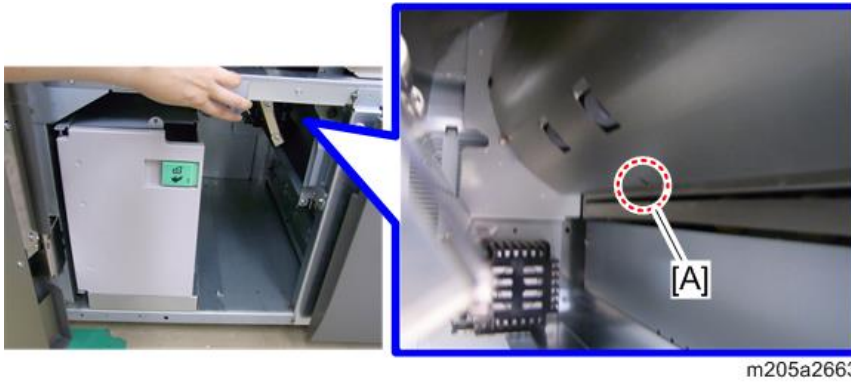
1. Open the left front door [A] and right front door [B] of the imaging section.



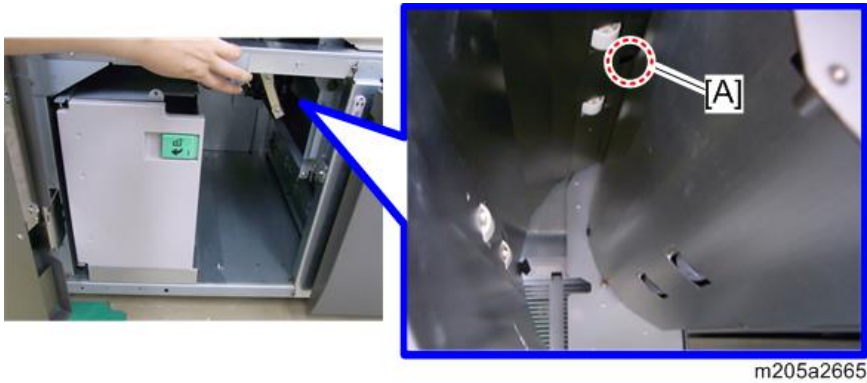
2. Move the lever [A] leftward to open the guide plate.



3. With a blower brush, clean the vertical transport sensor 1 from the sensor hole [A].



4. With a blower brush, clean the vertical transport sensor 2 from the sensor hole [A].



Paper Feed Sensor (Tray 1)

1. Access the paper feed sensor (tray 1). (page 903 "Paper Feed Sensor (Tray 1)")
2. Clean the paper feed sensor [A] with a blower brush.



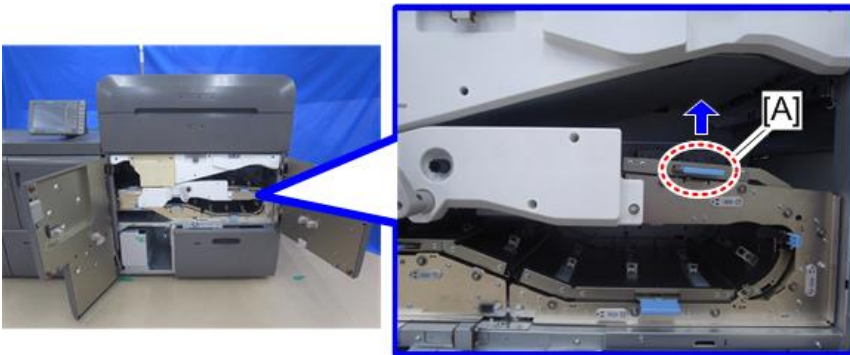
LCT Relay Sensor, Registration Entrance Sensor 1-3

1. Open the left front door [A] and right front door [B] of the imaging section.



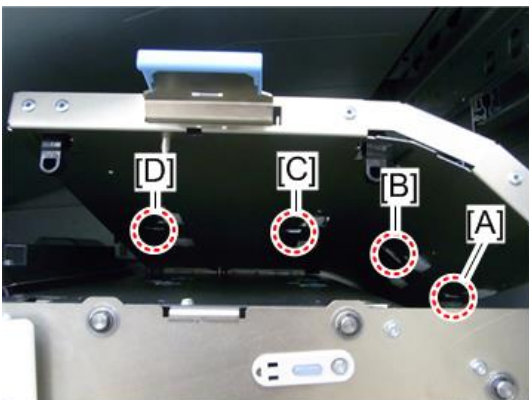
m205a2271

2. Move the lever [A] upward to open the guide plate.



m205a2603

3. With a blower brush, clean the sensors from the sensor holes.



m205a2666

- [A]: LCT relay sensor
- [B]: Registration entrance sensor 1

- [C]: Registration entrance sensor 2
- [D]: Registration entrance sensor 3

LCT Relay Roller, Registration Entrance Roller 1-3 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the imaging section.



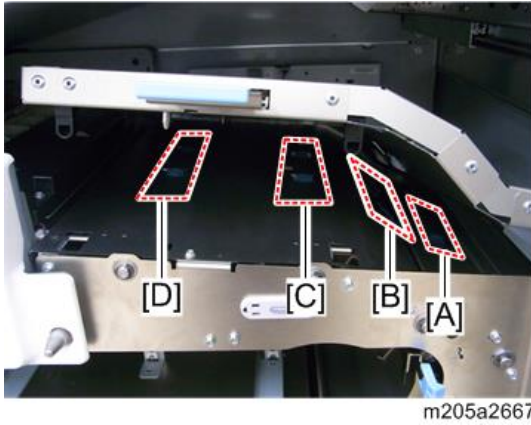
m205a2271

2. Move the lever [A] upward to open the guide plate.



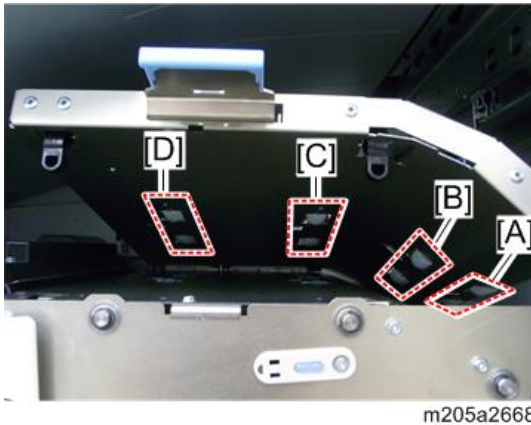
m205a2603

3. Wipe the LCT relay roller (drive) and registration entrance roller 1-3 (drive) with a dry cloth.



- [A]: LCT Relay Roller (Drive)
- [B]: Registration Entrance Roller 1 (Drive)
- [C]: Registration Entrance Roller 2 (Drive)
- [D]: Registration Entrance Roller 3 (Drive)

4. Wipe the LCT relay roller (idle) and registration entrance roller 1-3 (idle) with a dry cloth.



- [A]: LCT Relay Roller (Idle)
- [B]: Registration Entrance Roller 1 (Idle)
- [C]: Registration Entrance Roller 2 (Idle)
- [D]: Registration Entrance Roller 3 (Idle)

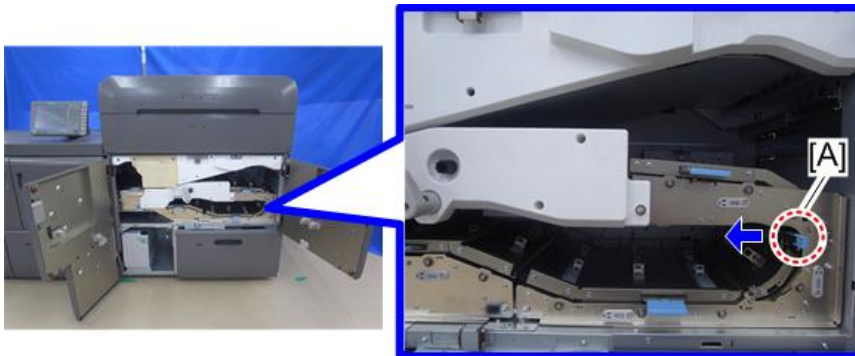
Paper Transport Sensor 7, Paper Transport Roller 16 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the imaging section.



m205a2271

2. Move the lever [A] leftward to open the guide plate.



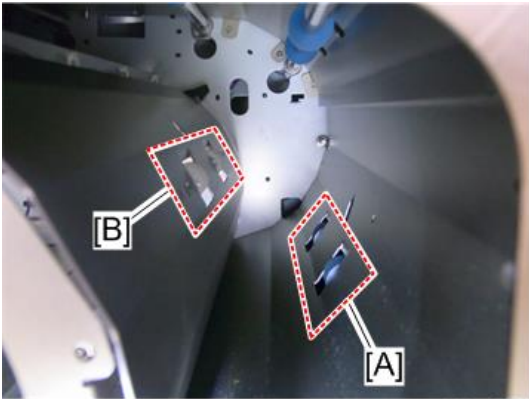
m205a2602

3. With a blower brush, clean the paper transport sensor 7 from the sensor hole [A].



m205a2669

4. Wipe the rollers with a dry cloth.

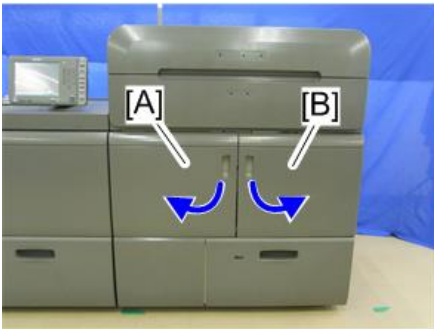


m205a2670

- [A]: Paper Transport Roller 16 (Drive)
- [B]: Paper Transport Roller 16 (Idle)

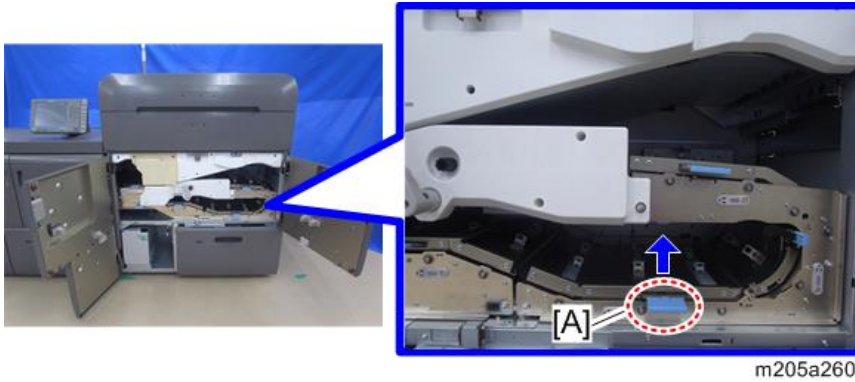
Paper Transport Sensor 6, Paper Transport Roller 13-15 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the imaging section.

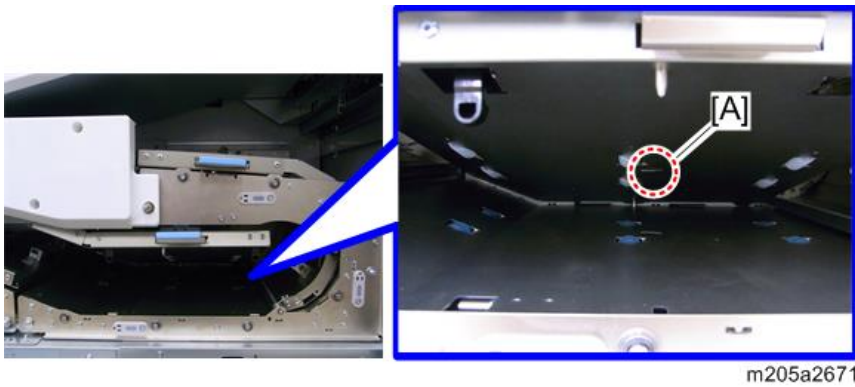


m205a2271

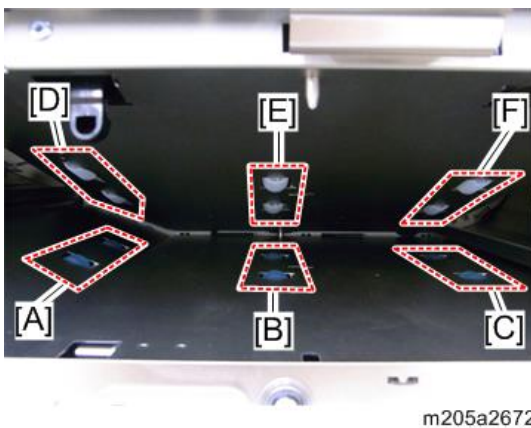
2. Move the lever [A] upward to open the guide plate.



3. With a blower brush, clean the paper transport sensor 6 from the sensor hole [A].



4. Wipe the rollers with a dry cloth.

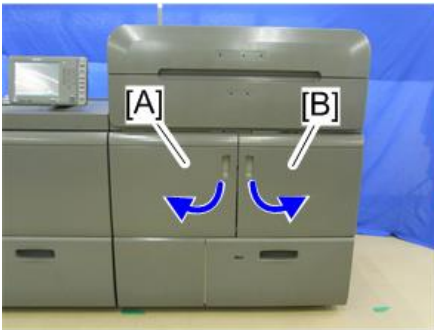


- [A]: Paper Transport Roller 13 (Drive)
- [B]: Paper Transport Roller 14 (Drive)
- [C]: Paper Transport Roller 15 (Drive)

- [D]: Paper Transport Roller 13 (Idle)
- [E]: Paper Transport Roller 14 (Idle)
- [F]: Paper Transport Roller 15 (Idle)

Paper Transport Sensor 5, Paper Transport Roller 10-12 (Drive/Idle)

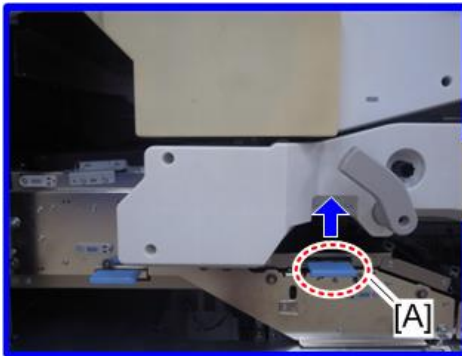
1. Open the left front door [A] and right front door [B] of the imaging section.



m205a2271

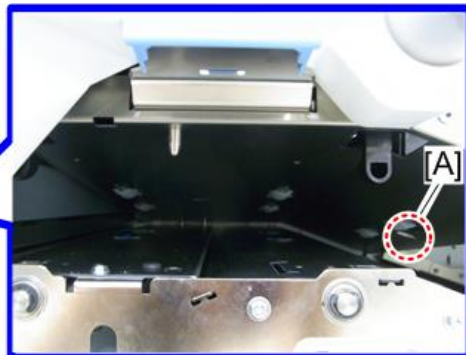
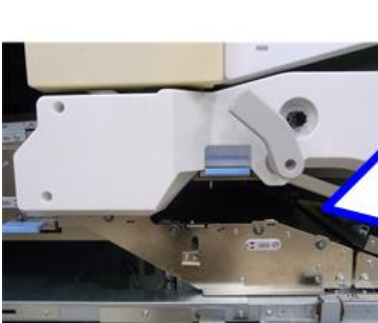
3

2. Move the lever [A] upward to open the guide plate.



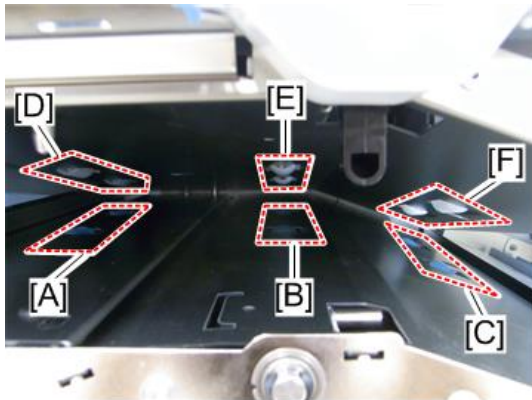
m205a2600

3. With a blower brush, clean the paper transport sensor 5 from the sensor hole [A].



m205a2673

4. Wipe the rollers with a dry cloth.



m205a2674

- [A]: Paper Transport Roller 10 (Drive)
- [B]: Paper Transport Roller 11 (Drive)
- [C]: Paper Transport Roller 12 (Drive)
- [D]: Paper Transport Roller 10 (Idle)
- [E]: Paper Transport Roller 11 (Idle)
- [F]: Paper Transport Roller 12 (Idle)

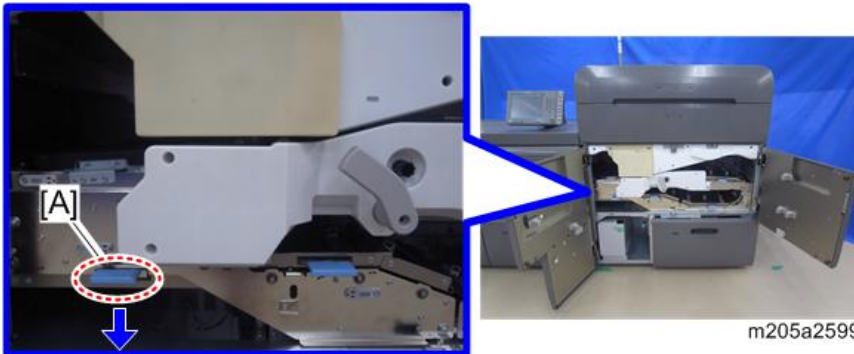
Paper Transport Sensor 4, Paper Transport Roller 7-9 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the imaging section.

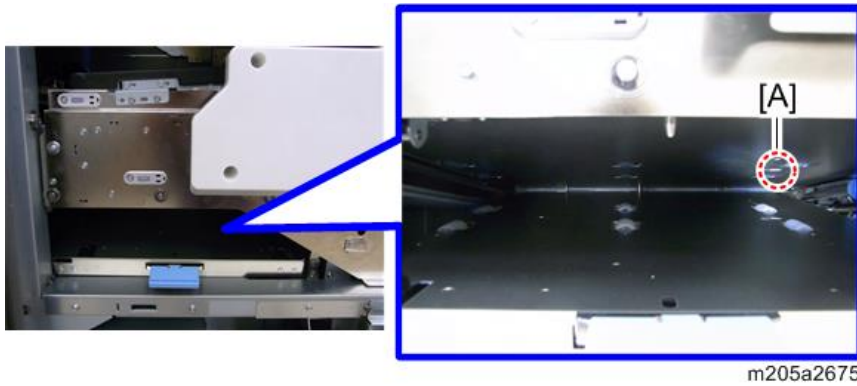


m205a2271

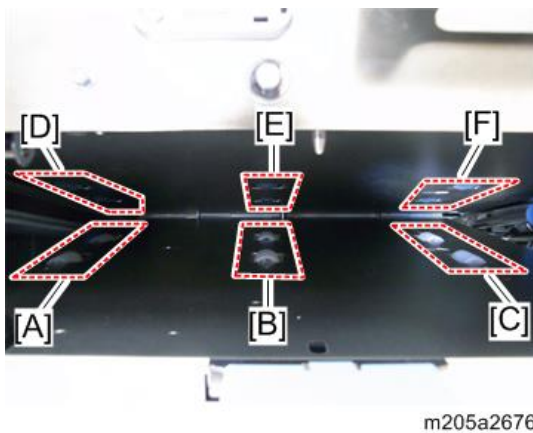
2. Move the lever [A] downward to open the guide plate.



3. With a blower brush, clean the paper transport sensor 4 from the sensor hole [A].



4. Wipe the rollers with a dry cloth.



- [A]: Paper Transport Roller 7 (Drive)
- [B]: Paper Transport Roller 8 (Drive)
- [C]: Paper Transport Roller 9 (Drive)
- [D]: Paper Transport Roller 7 (Idle)

- [E]: Paper Transport Roller 8 (Idle)
- [F]: Paper Transport Roller 9 (Idle)

Paper Feed Section (Tray 2)

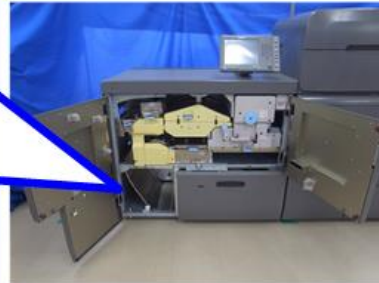
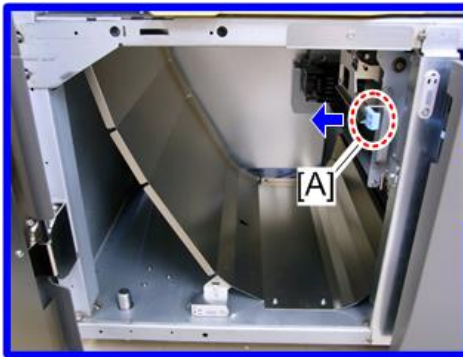
Vertical Transport Sensor 1-2 (Tray 2)

1. Open the left front door [A] and right front door [B] of the fusing section.



m205z5001

2. Move the lever [A] leftward to open the guide plate.



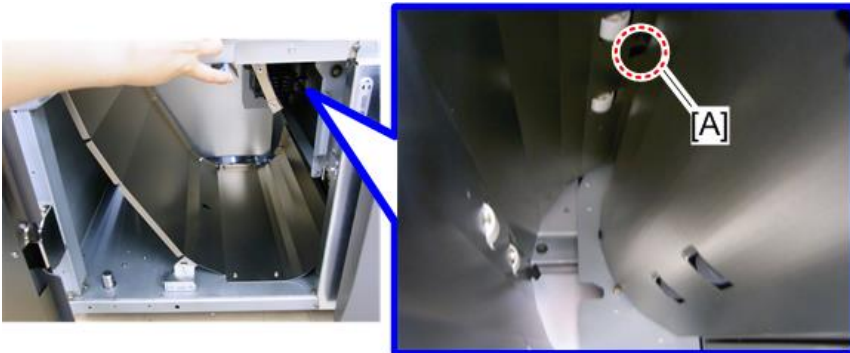
m205a2769

3. With a blower brush, clean the vertical transport sensor 1 (tray 2) from the sensor hole [A].



m205a2770

4. With a blower brush, clean the vertical transport sensor 2 (tray 2) from the sensor hole [A].



m205a2771

Paper Feed Sensor (Tray 2)

1. Access the paper feed sensor (tray 2). (page 1002 "Paper Feed Sensor (Tray 2)")

2. Clean the paper feed sensor (tray 2) [A] with a blower brush.



Cleaning Points (2)

Registration Unit

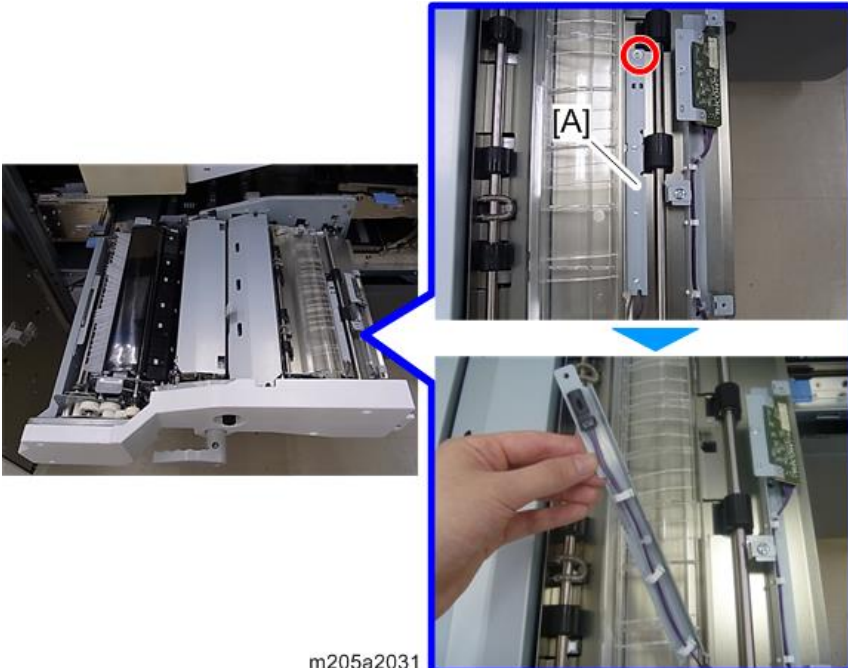
Registration Timing Roller (Drive/Idle)

3

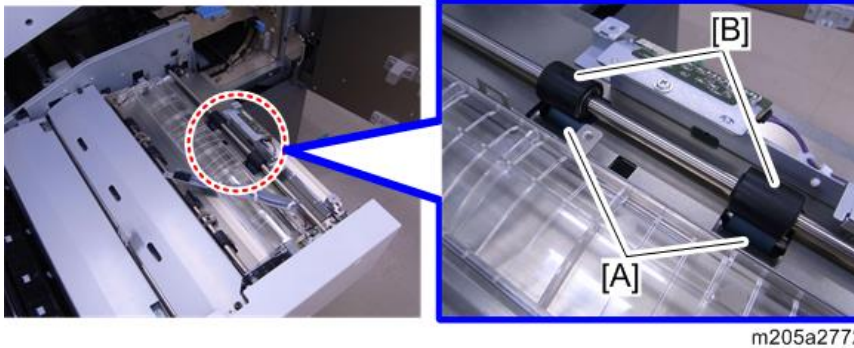
1. Open the front doors of the imaging section, and then withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Sensor cover [A] (⊙×2)



3. Registration timing sensor bracket [A] (⊙×1)

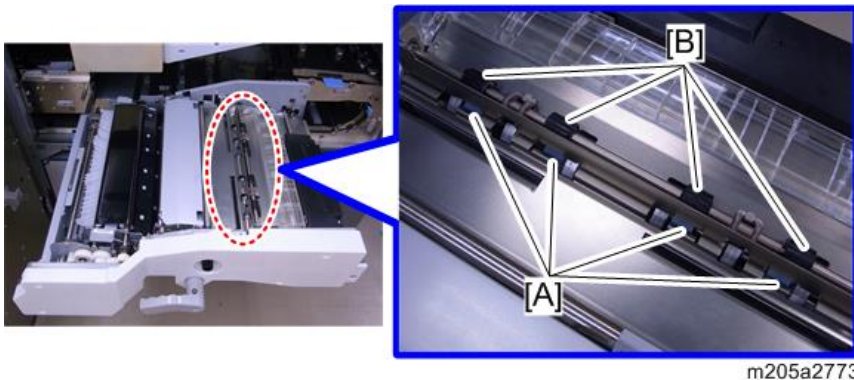


4. Wipe the registration timing roller (drive) [A] with a dry cloth.
5. Clean the registration timing roller (idle) [B] with alcohol.



Rotary Gate Roller (Drive/Idle)

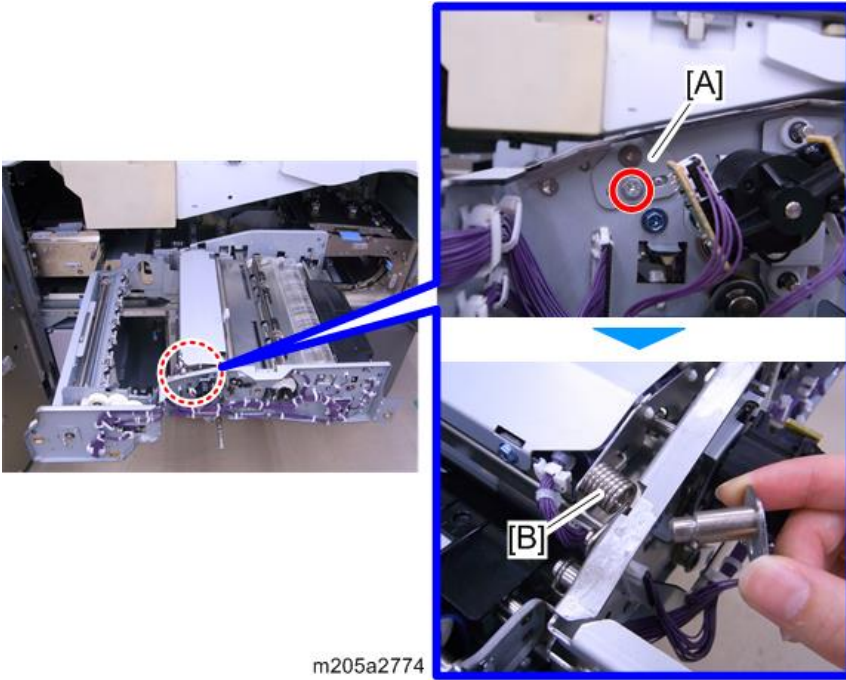
1. CIS bracket (page 1096)
2. Wipe the rotary gate roller (drive) [A] with a dry cloth.
3. Clean the rotary gate roller (idle) [B] with alcohol.



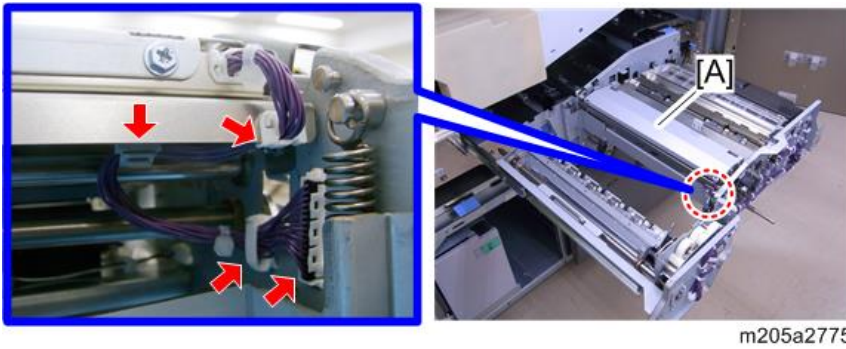
Registration Relay Roller, PTR Timing Roller (Drive/Idle)

1. CIS bracket (page 1096)
2. Drawer unit inner cover (page 1066 "Rotary Gate Home Position Sensor")
3. Remove the paper transfer unit from drawer unit. (page 868 "Paper Transfer Belt Unit")
4. Bearing [A] (🔑×1)

When you remove the bearing [A], spring [B] is removed.

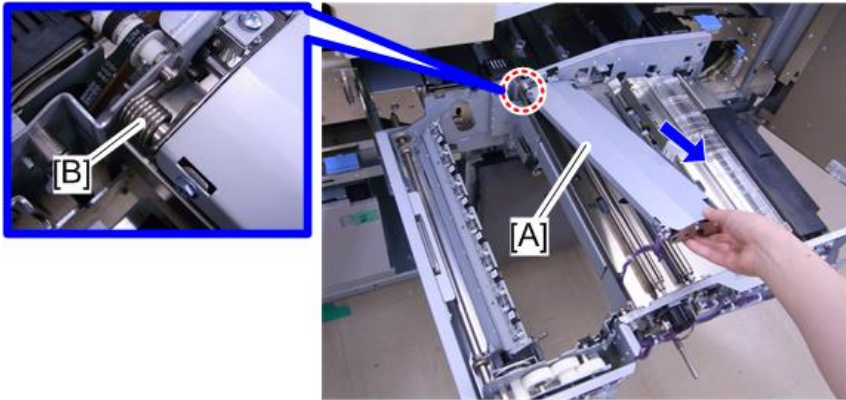


5. Open the clamps and disconnect the connectors of T-ACT sensor bracket [A]. (🔧x3, 📡x1)



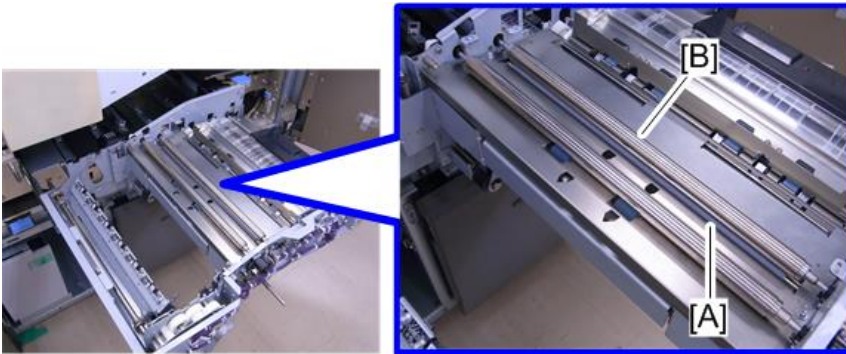
6. T-ACT sensor bracket [A]

When you remove the T-ACT sensor bracket [A], spring [B] is removed.



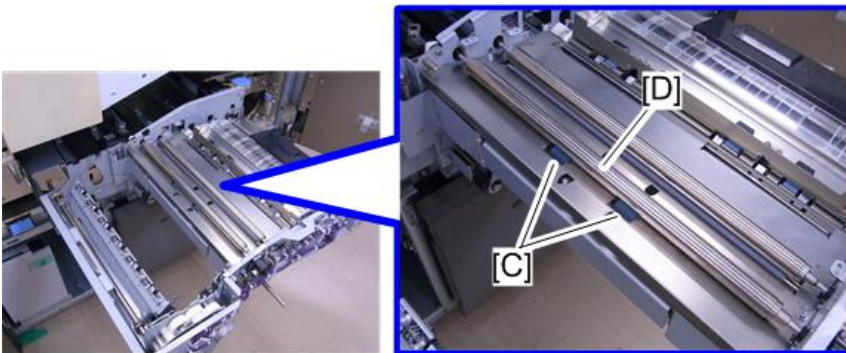
m205a2776

7. Wipe the registration relay roller (drive) [A] with a dry cloth.
8. Clean the registration relay roller (idle) [B] with alcohol.



m205a2777

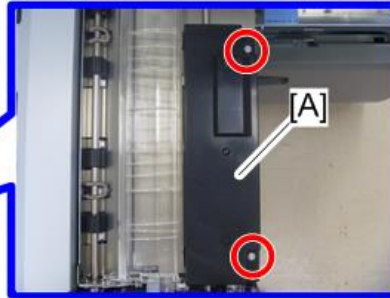
9. Wipe the PTR timing roller (drive) [C] with a dry cloth.
10. Clean the PTR timing roller (idle) [D] with alcohol.



m205a2778

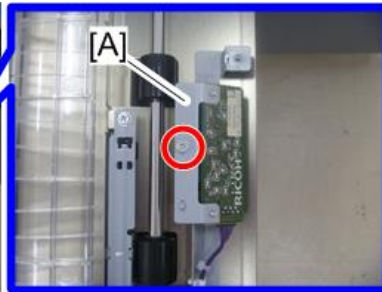
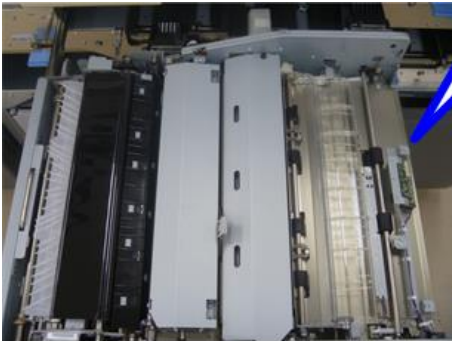
URRB (Double-Feed Sensor: Receptor), URTB (Double-Feed Sensor: Emitter)

1. Open the front doors of the imaging section, and then withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Sensor cover [A] (🔩×2)



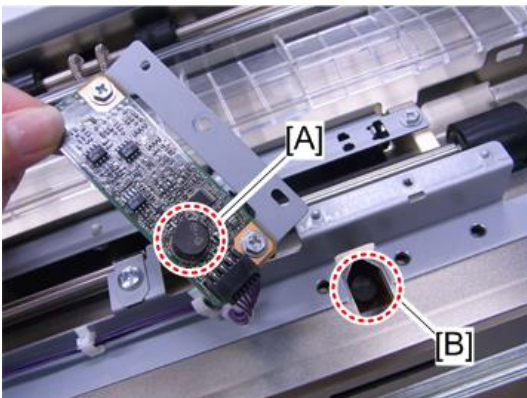
m205a2045

3. Turn over the URRB bracket [A]. (🔩×1)



m205a2047

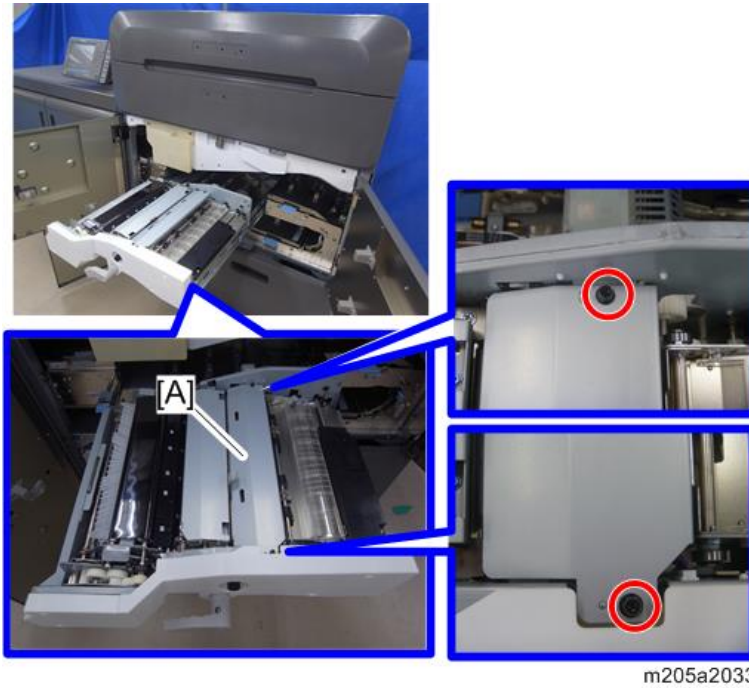
4. Clean the surface of URRB [A] and URTB [B] with a blower brush.



m205a2779

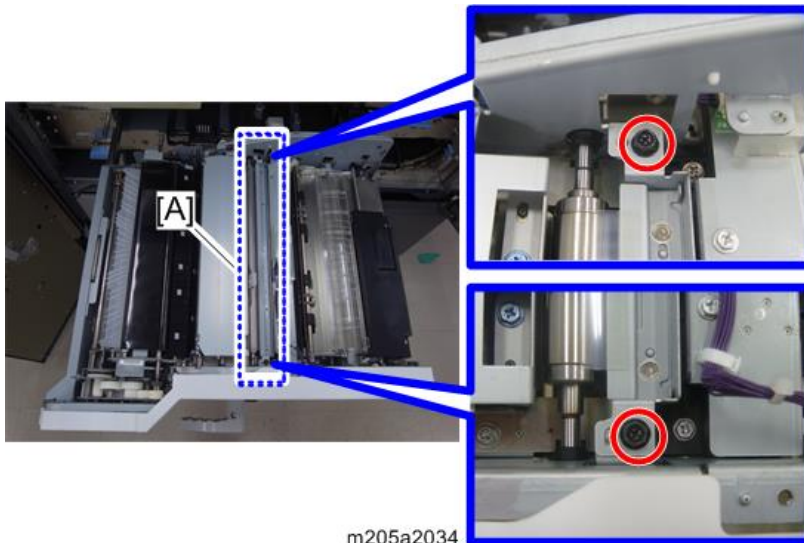
Dust Collection Tray

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Cover [A] (🔩 x2)



m205a2033

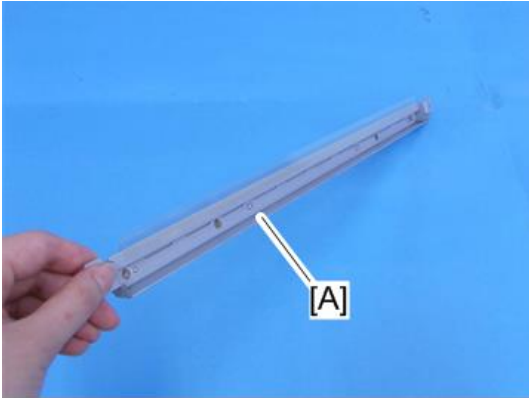
3. Dust collection tray [A] (🔩 x2)



m205a2034

Note

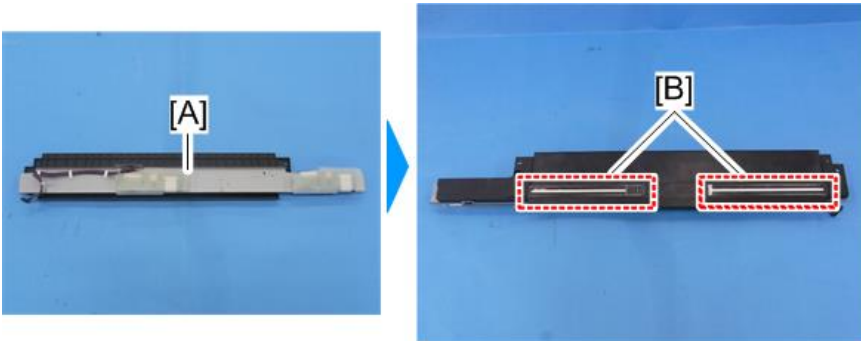
- When removing the dust collection tray, pull it up vertically. Be careful not to spill the paper dust by inclining the dust collection tray.
4. Place the dust collection tray [A] on paper, and then remove the paper dust from the dust collection tray by tapping it.
 5. After the paper dust is removed, wipe the dust collection tray with a dry cloth.



m205a2780

CIS

1. CIS bracket (page 1096)
2. Turn over the CIS bracket [A], and then wipe the glass surface [B] with a dry cloth.

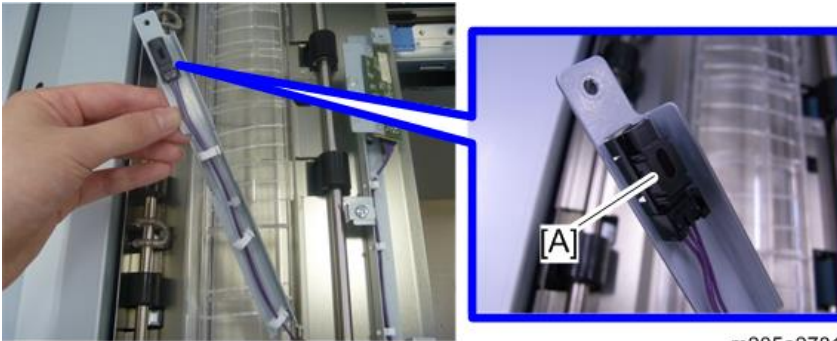


m205a0005

Registration Timing Sensor

1. Access the registration timing sensor. (page 1064 "Registration Timing Sensor")

2. Clean the registration timing sensor [A] with a blower brush.

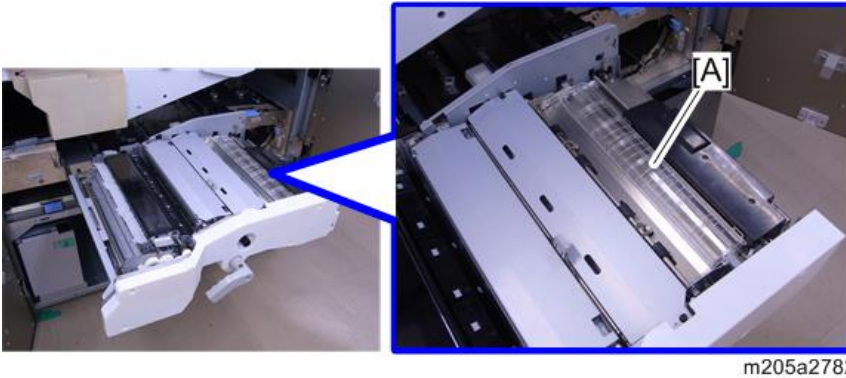


m205a2781

3

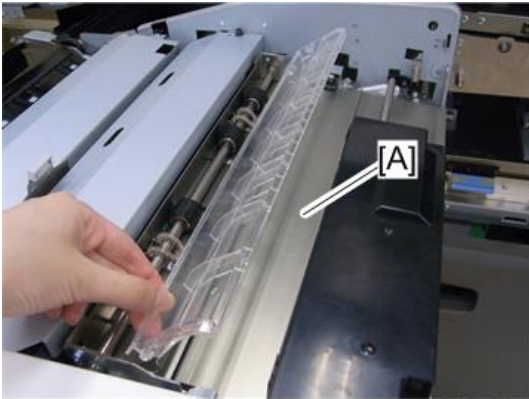
Transport Guide Plate

1. Open the front doors of the imaging section, and then withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Open the roller cover [A] on the drawer unit.



m205a2782

3. Wipe the transport guide plate [A] located under the roller cover with a dry cloth.

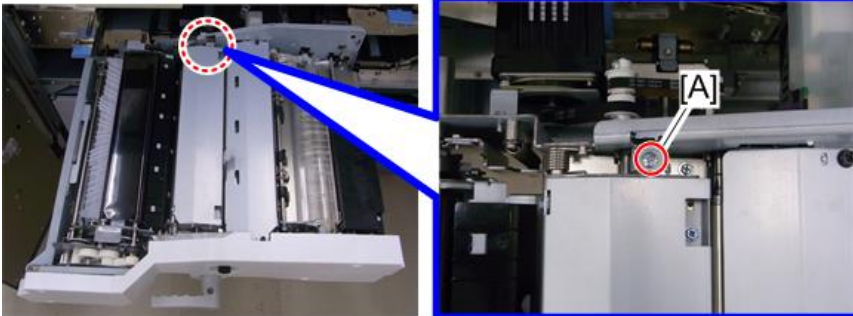


m205a2996

3

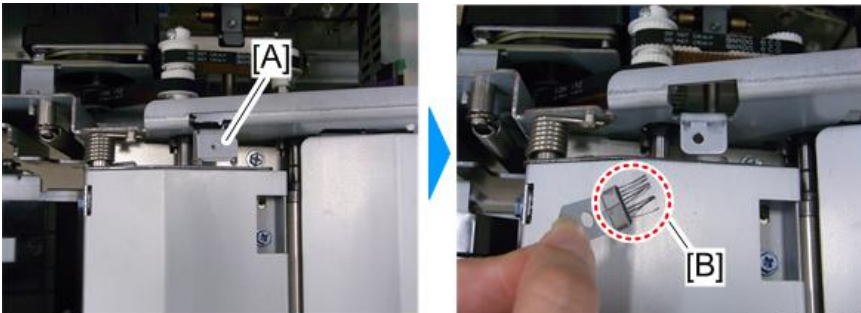
Discharge Brush

1. Open the front doors of the imaging section, and then withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Fixing screw [A] (⌀x1)



m205a2955

3. Turn over the bracket [A], and then clean the discharge brush [B] with a blower brush.



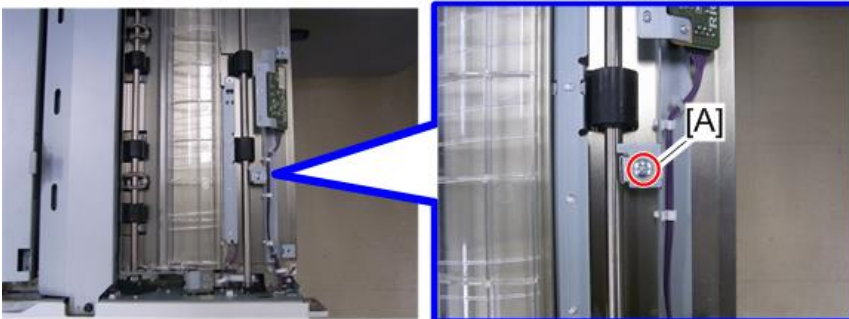
m205a2956

4. Cover [A] (⌀ ×2)



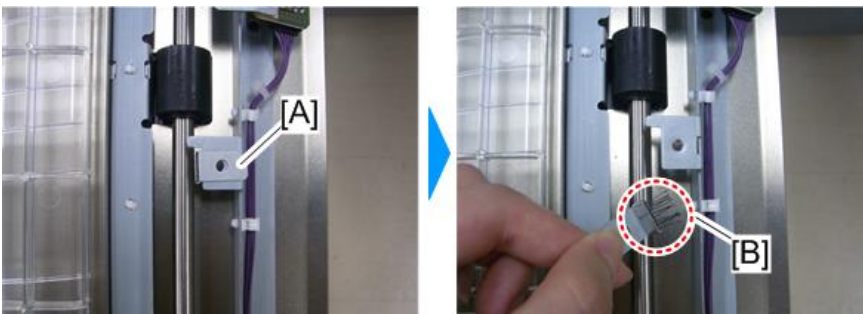
m205a2030

5. Fixing screw [A] (⌀ ×1)



m205a2957

6. Turn over the bracket [A], and then clean the discharge brush [B] with a blower brush.



m205a2958

Paper Switch Back and Duplex Path Unit

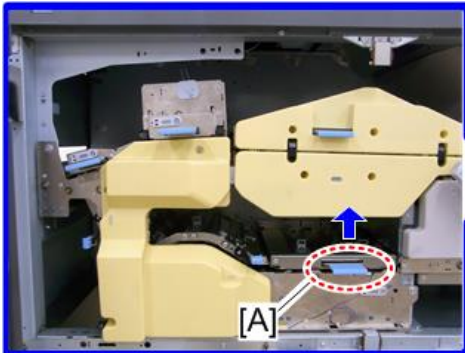
Paper Transport Sensor 1, Paper Transport Roller 1-2 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the fusing section.



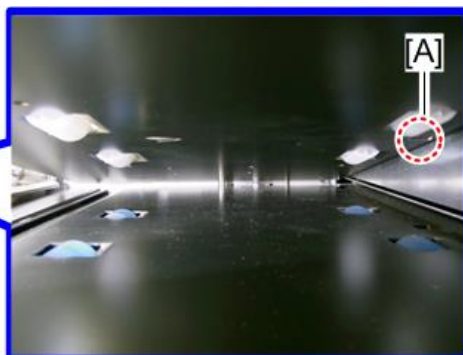
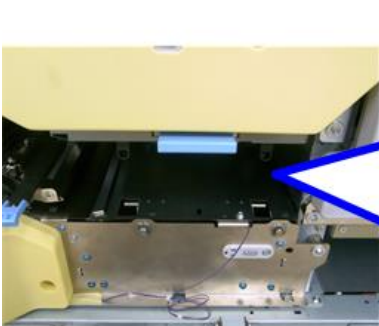
m205z5001

2. Move the lever [A] upward to open the guide plate.



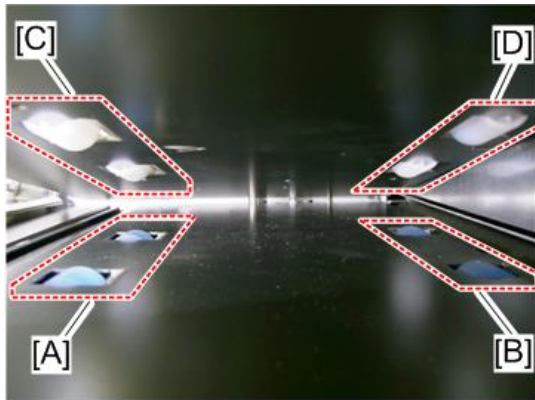
m205a2604

3. With a blower brush, clean the paper transport sensor 1 from the sensor hole [A].



m205a2783

4. Wipe the rollers with a dry cloth.



m205a2784

- [A]: Paper Transport Roller 1 (Drive)
- [B]: Paper Transport Roller 2 (Drive)
- [C]: Paper Transport Roller 1 (Idle)
- [D]: Paper Transport Roller 2 (Idle)

Paper Transport Sensor 2-3, Paper Transport Roller 3-6 (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the fusing section.

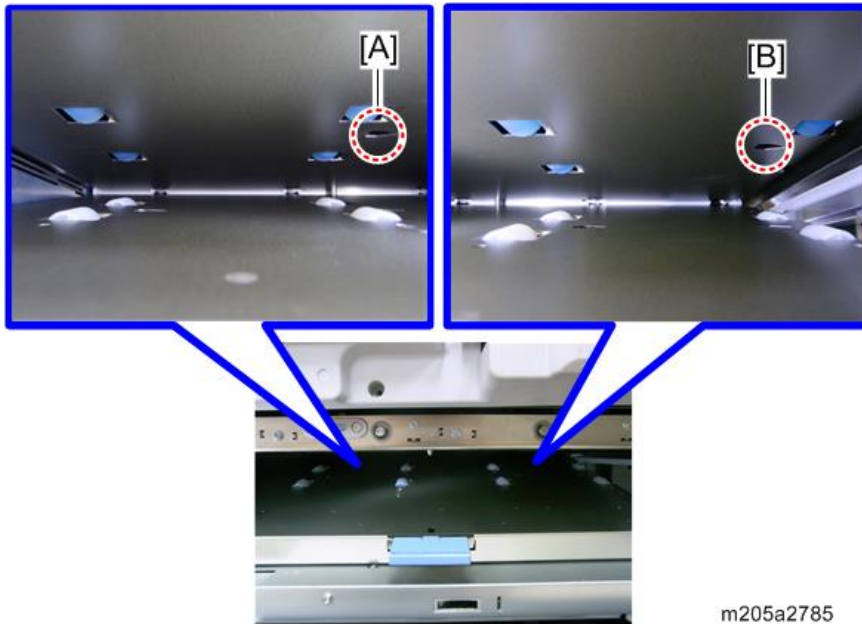


m205z5001

2. Move the lever [A] downward to open the guide plate.

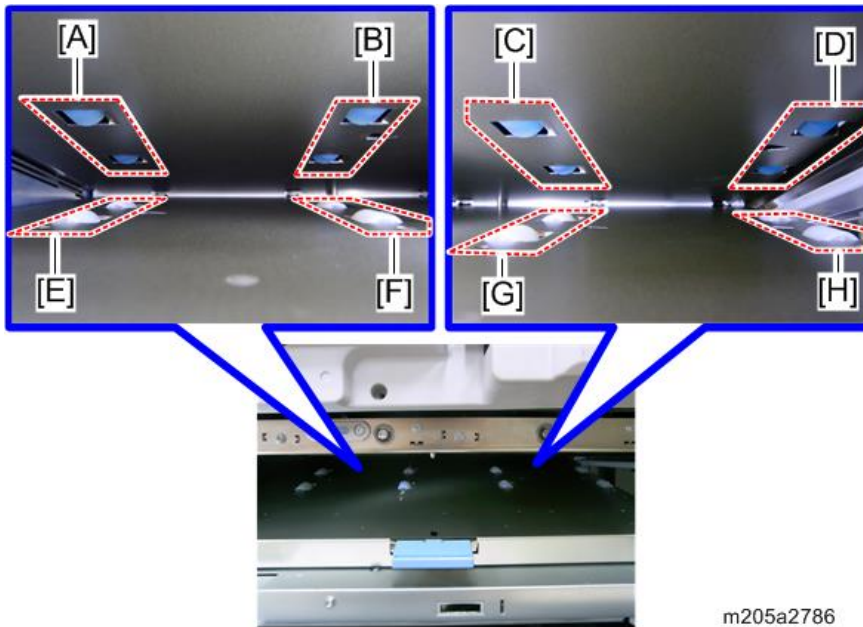


3. With a blower brush, clean the sensors from the sensor holes.



- [A]: Paper transport sensor 2
- [B]: Paper transport sensor 3

4. Wipe the rollers with a dry cloth.

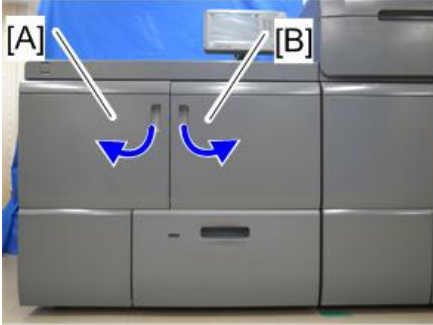


m205a2786

- [A]: Paper Transport Roller 3 (Drive)
- [B]: Paper Transport Roller 4 (Drive)
- [C]: Paper Transport Roller 5 (Drive)
- [D]: Paper Transport Roller 6 (Drive)
- [E]: Paper Transport Roller 3 (Idle)
- [F]: Paper Transport Roller 4 (Idle)
- [G]: Paper Transport Roller 5 (Idle)
- [H]: Paper Transport Roller 6 (Idle)

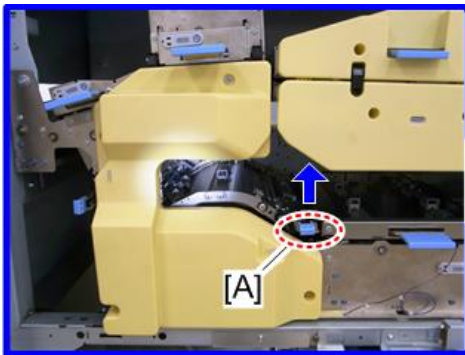
Duplex Transport Sensor 1-2, Duplex Transport Roller 1-3

1. Open the left front door [A] and right front door [B] of the fusing section.



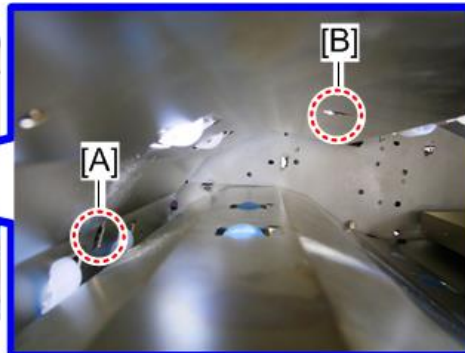
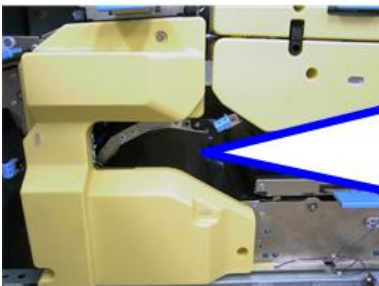
m205z5001

2. Move the lever [A] upward to open the guide plate.



m205a2606

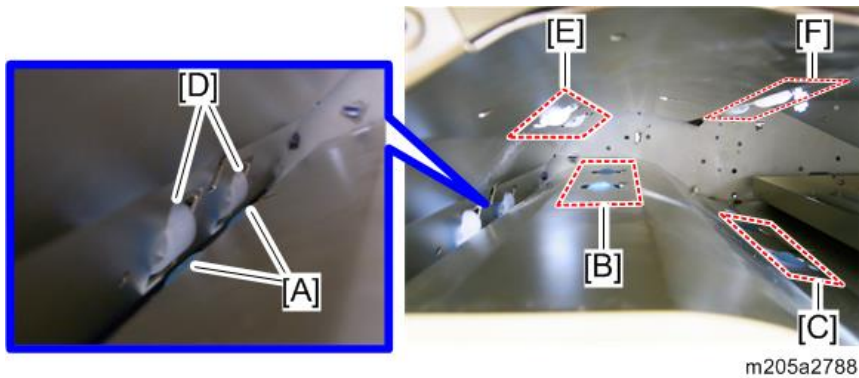
3. With a blower brush, clean the sensors from the sensor holes.



m205a2787

- [A]: Duplex transport sensor 1
- [B]: Duplex transport sensor 2

4. Wipe the rollers with a dry cloth.



- [A]: Duplex Transport Roller 1 (Drive)
- [B]: Duplex Transport Roller 2 (Drive)
- [C]: Duplex Transport Roller 3 (Drive)
- [D]: Duplex Transport Roller 1 (Idle)
- [E]: Duplex Transport Roller 2 (Idle)
- [F]: Duplex Transport Roller 3 (Idle)

Paper Exit Inverter Sensor, Paper Exit Inverter Roller (Drive/Idle), Inverter Exit Roller (Drive/Idle)

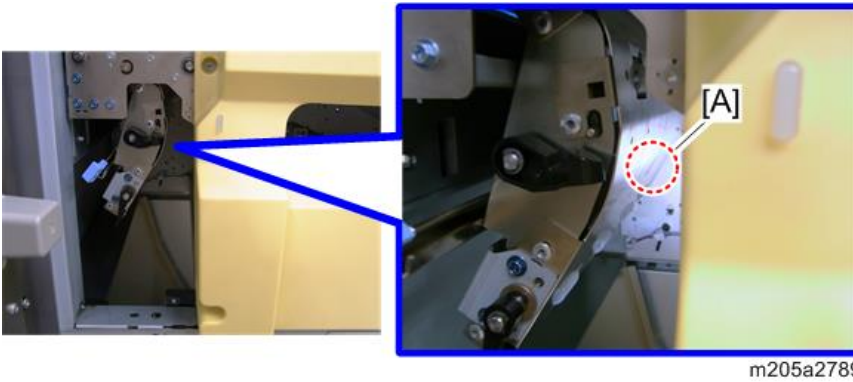
1. Open the left front door [A] and right front door [B] of the fusing section.



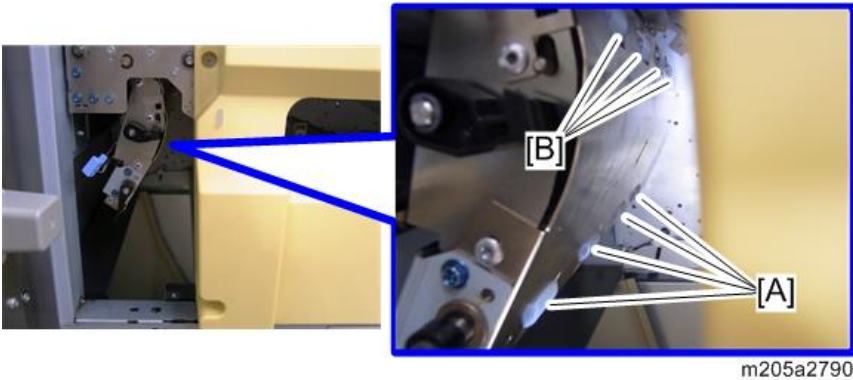
2. Move the lever [A] leftward to open the guide plate.



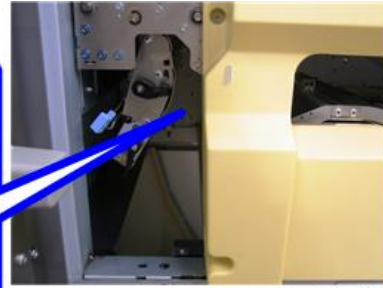
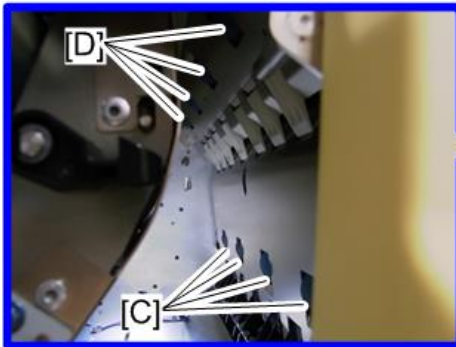
3. With a blower brush, clean the paper exit inverter sensor from the sensor hole [A].



4. Wipe the rollers with a dry cloth.



- [A]: Paper Exit Inverter Roller (Idle)
- [B]: Inverter Exit Roller (Idle)



m205a2791

- [C]: Paper Exit Inverter Roller (Drive)
- [D]: Inverter Exit Roller (Idle)

3

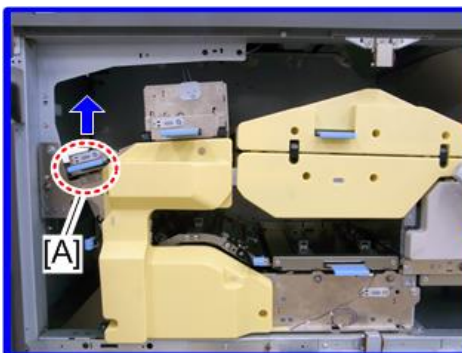
Paper Exit Sensor, Paper Exit Roller (Drive/Idle), Paper Exit Relay Roller (Drive/Idle)

1. Open the left front door [A] and right front door [B] of the fusing section.



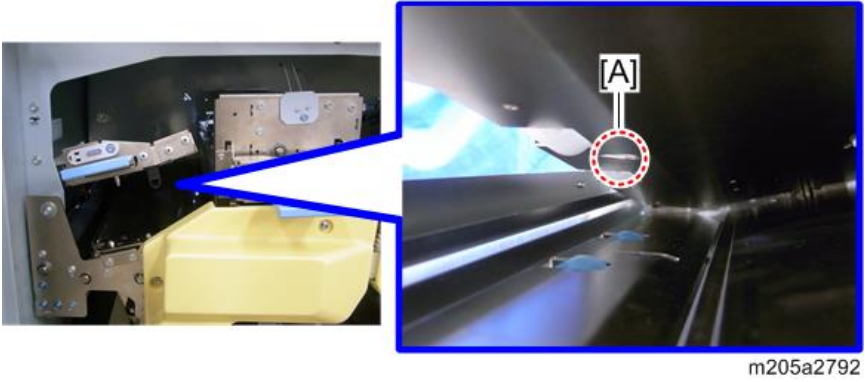
m205z5001

2. Move the lever [A] upward to open the guide plate.

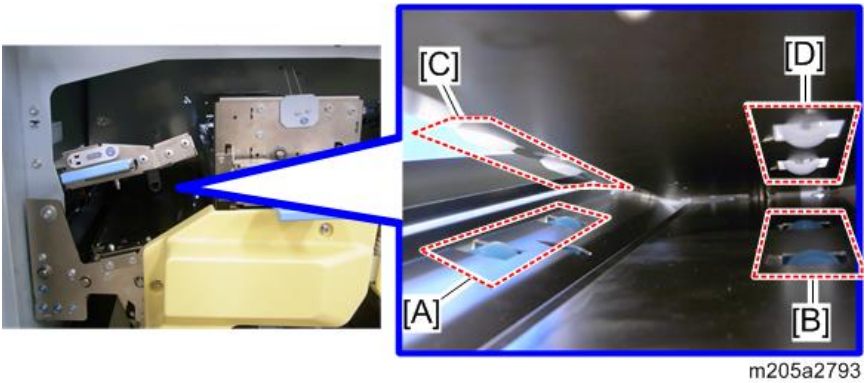


m205a2608

3. With a blower brush, clean the paper exit sensor from the sensor hole [A].



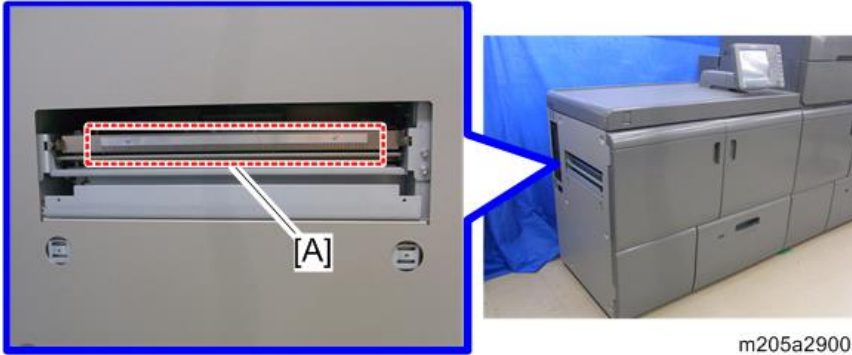
4. Wipe the rollers with a dry cloth.



- [A]: Paper Exit Roller (Drive)
- [B]: Paper Exit Relay Roller (Drive)
- [C]: Paper Exit Roller (Idle)
- [D]: Paper Exit Relay Roller (Idle)

Discharge Brush

1. Clean the discharge brush [A] on the paper exit with a blower brush.

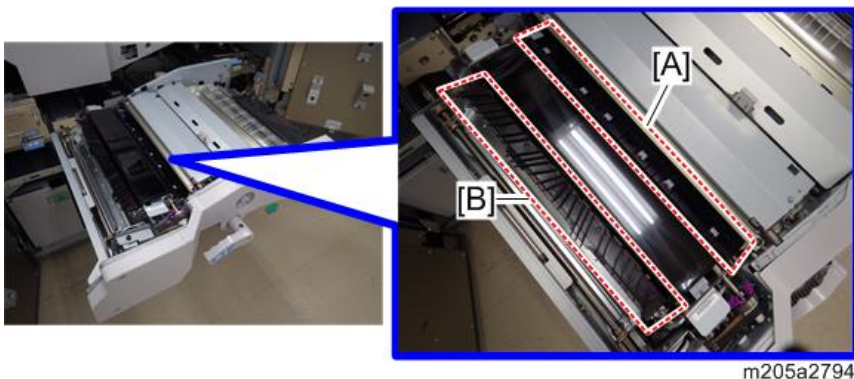


3

Paper Transfer Roller Unit (PTR)

Paper Transfer Entrance Plate, Paper Transfer Exit Plate

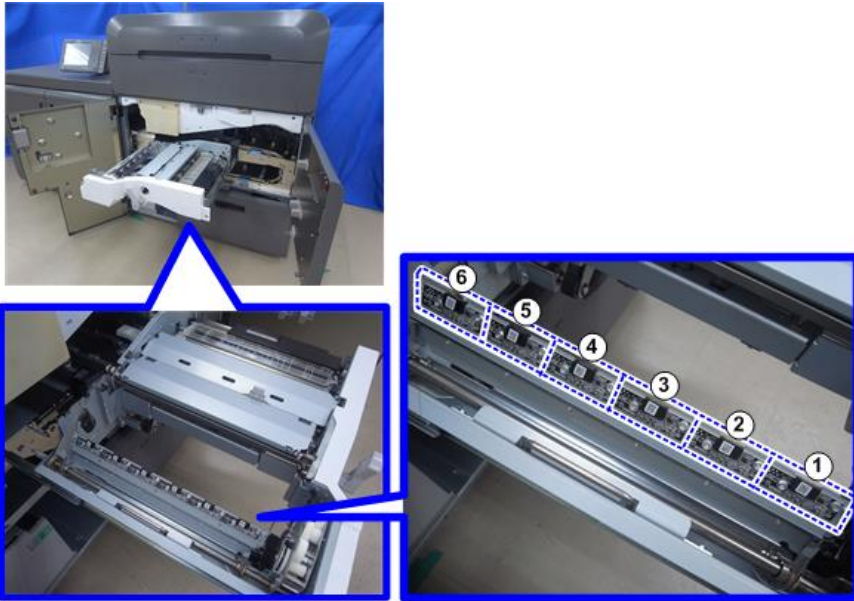
1. Open the front doors of the imaging section, and then withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Wipe the paper transfer entrance plate [A] and paper transfer exit plate [B] with a dry cloth.



ID/MUSIC Sensors (TM/P Sensors)

1. Access the ID/MUSIC sensors. (page 882 "ID/MUSIC Sensors (TM/P Sensors)")

2. Wipe the six ID/MUSIC sensors with a damp cloth.



m205a2332

①	MUSIC Sensor (Front)
②	ID Sensor (K)
③	ID Sensor (C)
④	ID/MUSIC sensor (M/Center)
⑤	ID Sensor (Y)
⑥	MUSIC Sensor (Rear)

Paper Transport Belt (PTB) Unit

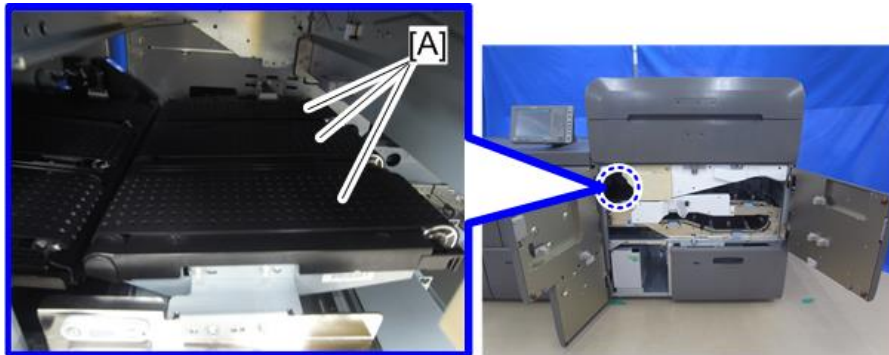
1st Paper Transport Belt (PTB)

1. Open the left front door [A] and right front door [B] of the imaging section.



m205a2271

2. Wipe the 1st paper transport belt (PTB) [A] with a dry cloth.

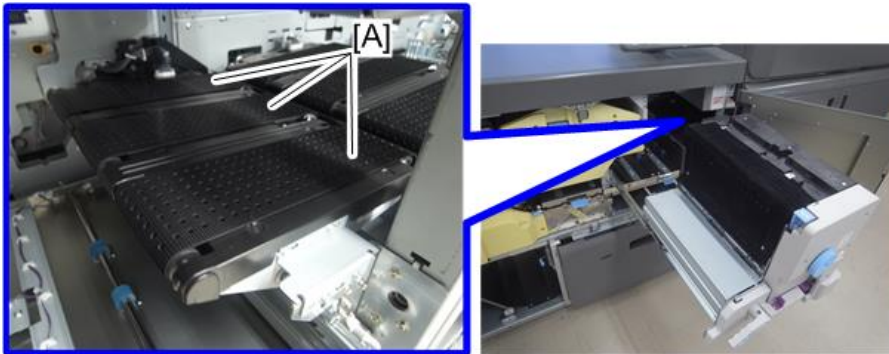


m205a2593

2nd Paper Transport Belt (PTB)

1. Withdraw the fuser unit to the service position. (page 1151)

2. Wipe the 2nd paper transport belt (PTB) [A] with a dry cloth.



m205a2594

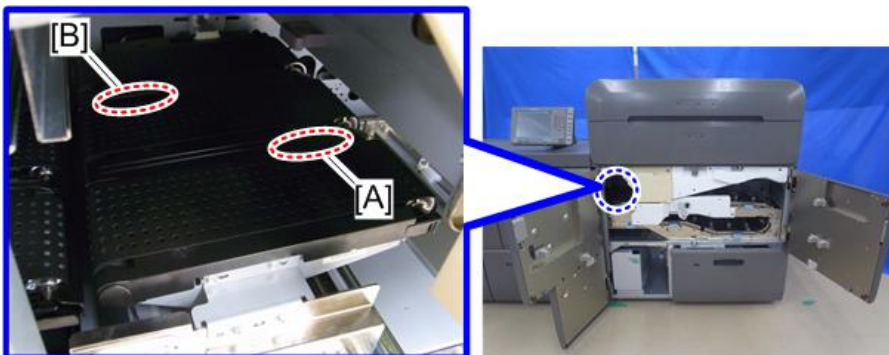
PTB Transport Sensor 1, 2

1. Open the left front door [A] and right front door [B] of the imaging section.



m205a2271

2. Clean the sensors with a blower brush.

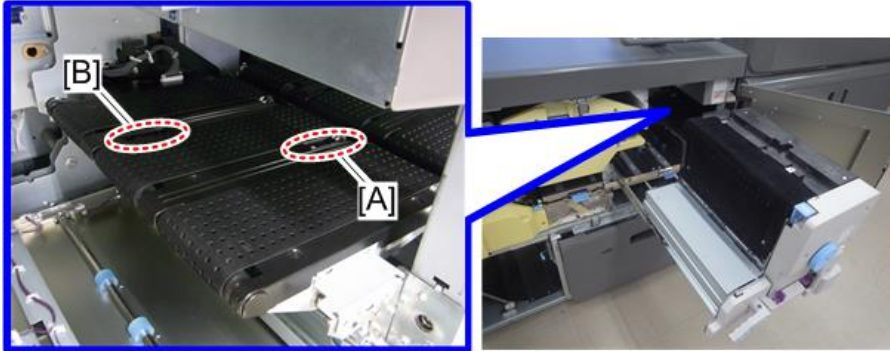


m205a2997

- [A]: PTB transport sensor 1
- [B]: PTB transport sensor 2

PTB Transport Sensor 3, 4

1. Withdraw the fuser unit to the service position. (page 1151)
2. Clean the sensors with a blower brush.



m205a2998

- [A]: PTB transport sensor 3
- [B]: PTB transport sensor 4

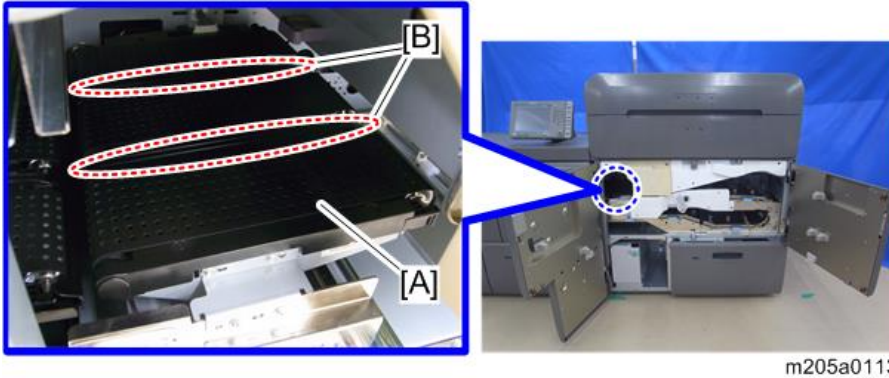
PTB Ribs

1. Open the left front door [A] and right front door [B] of the imaging section.

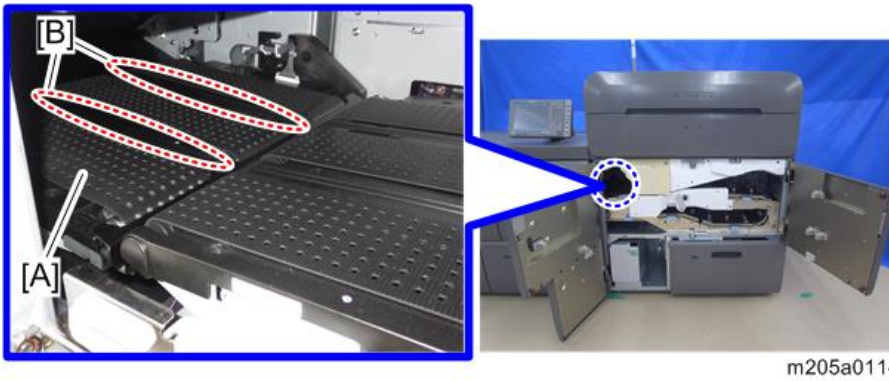


m205a2271

2. Wipe the PTB ribs [B] of 1st paper transport belt (PTB) unit [A] with a dry cloth.



3. Wipe the PTB ribs [B] of 2nd paper transport belt (PTB) unit [A] with a dry cloth.

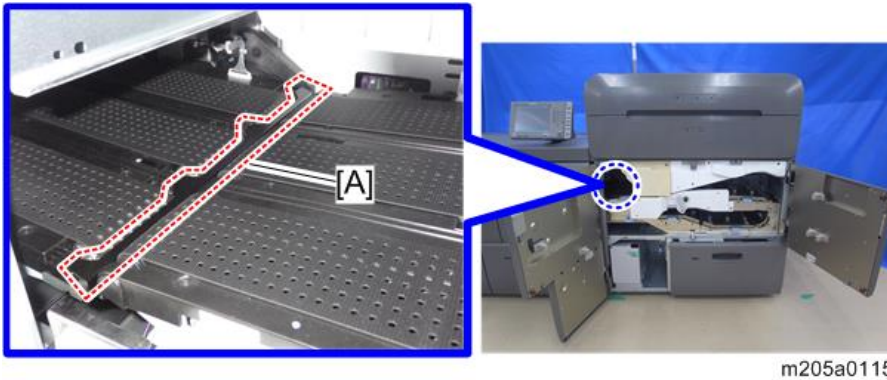


PTB Guide Plate

1. Open the left front door [A] and right front door [B] of the imaging section.



2. Wipe the PTB guide plate [A] with a dry cloth.



Fuser Unit

⚠ WARNING

- Turn off the power switch with the procedure shown below.
 1. Turn off the main power switch.
 2. Turn off the AC power switch.
 3. Disconnect the two power cords (one is located at rear of imaging section, one is located at rear of fusing section) from the power plug.

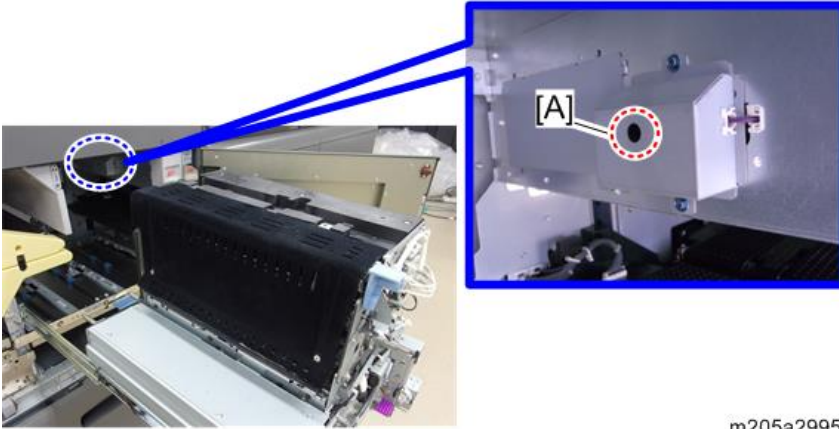
⚠ CAUTION

- Some parts on the fusing unit get very hot. Clean the fusing unit after it cools down. Not doing so could result in burns.

Heating Roller Thermopile

1. Withdraw the fuser unit to the service position. (page 1151)

2. With a blower brush, clean the heating roller thermopile from the sensor hole [A].



m205a2995

Fusing Unit Entrance Guide

1. Withdraw the fuser unit to the service position. (page 1151)
2. Wipe the fusing unit entrance guide [A] with a dry cloth.

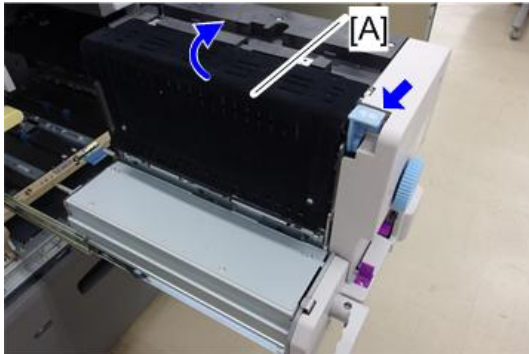


m205a2819

Pressure Roller Exit Plate (Lower)

1. Withdraw the fuser unit to the service position. (page 1151)

2. Open the fusing cover [A].



m205z5025

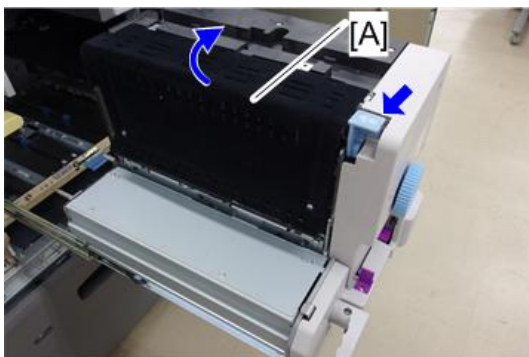
3. Wipe the pressure roller exit plate (lower) [A] with a dry cloth.



m205a2816

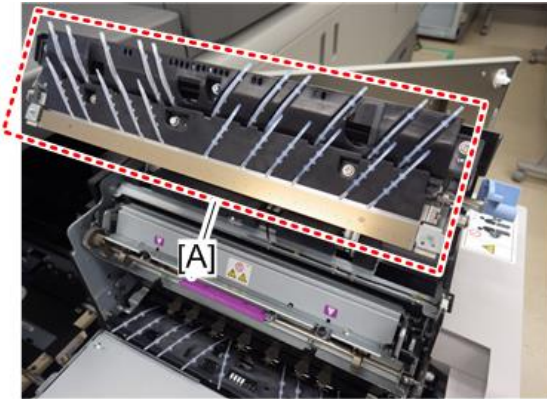
Fusing Unit Separation Plate

1. Withdraw the fuser unit to the service position. (page 1151)
2. Open the fusing cover [A].



m205z5025

3. Wipe the fusing unit separation plate [A] with a dry cloth.

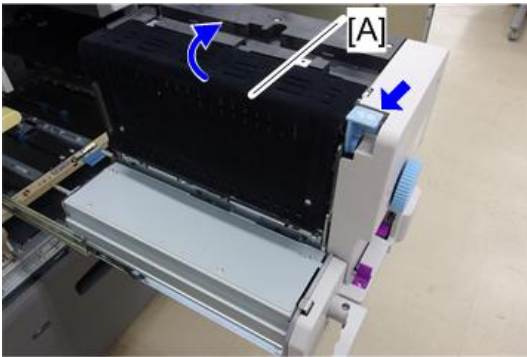


m205a2818

3

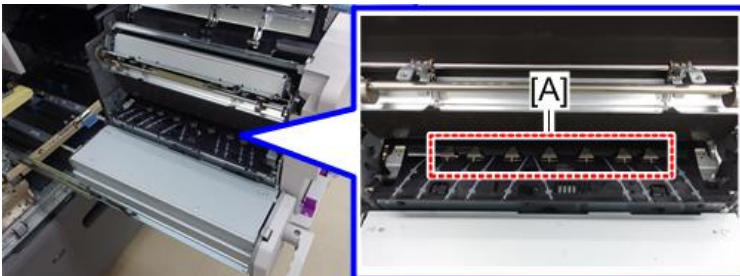
Pressure Roller Pick-off Pawls

1. Withdraw the fuser unit to the service position. (page 1151)
2. Open the fusing cover [A].



m205z5025

3. Wipe the top edge of each pressure roller pick-off pawls [A] with a dry cloth.

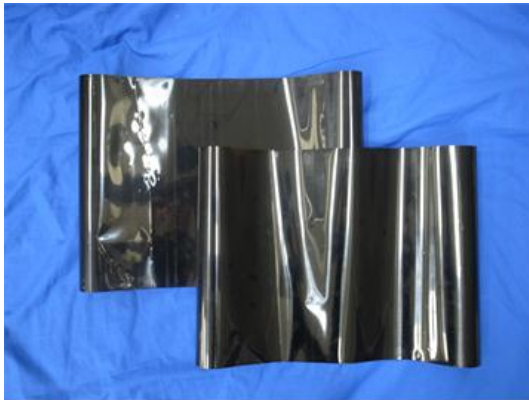


m205a2817

Paper Cooling Unit

Paper Cooling Belt

1. Remove the paper cooling belt (upper) and paper cooling belt (lower).
(page 1210,page 1215)
2. Wipe two paper cooling belts with a damp cloth.



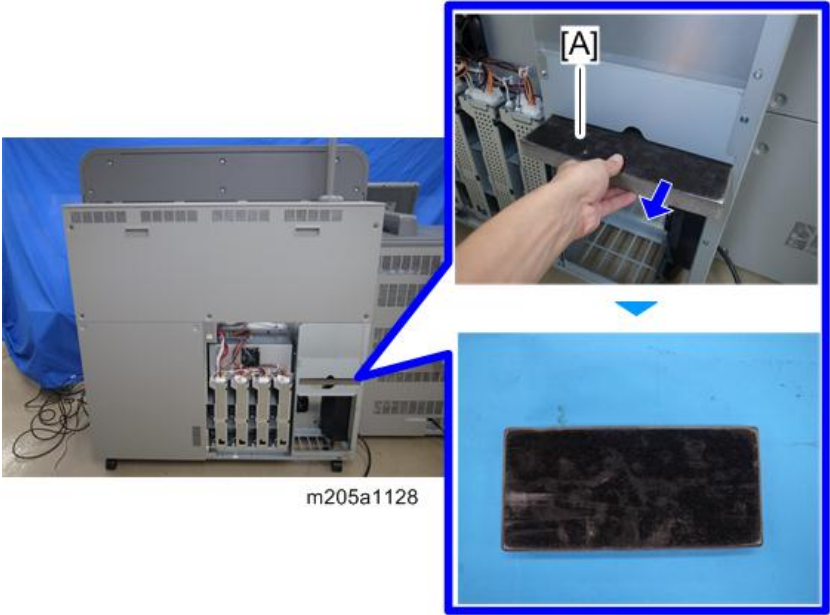
m205a1402

Filters

Ozone Filter

1. Rear box right lower cover (page 695)

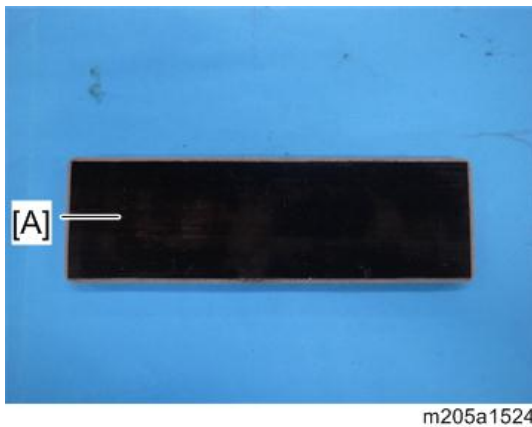
2. Ozone filter (front) [A]



3. Ozone filter (rear) [A]



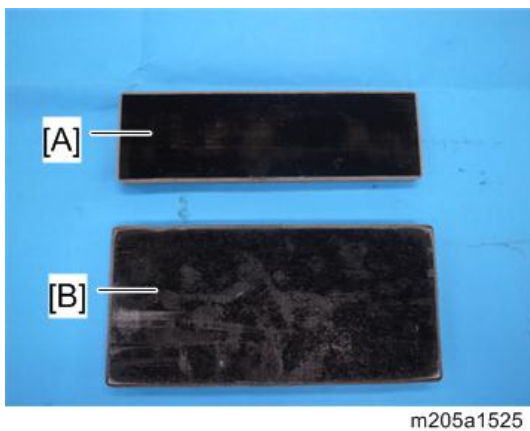
4. Clean the ozone filter (rear) [A] with a vacuum cleaner.



3

↓ Note

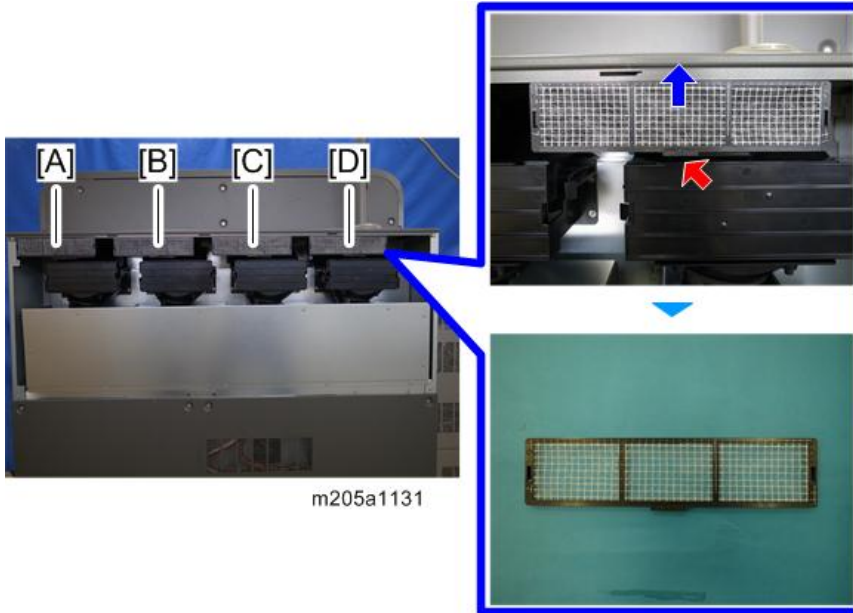
- The ozone filter (rear) [A] needs cleaning every 900k prints, and the ozone filter (front) [B] need to be replaced every 1200k prints.



Development Filter

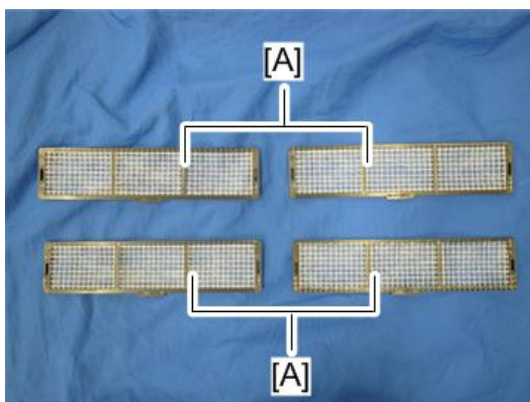
1. Rear box upper cover (page 693)

2. Disconnect the hook on the bottom of the development filter, and then slide the development filter upward to remove it.



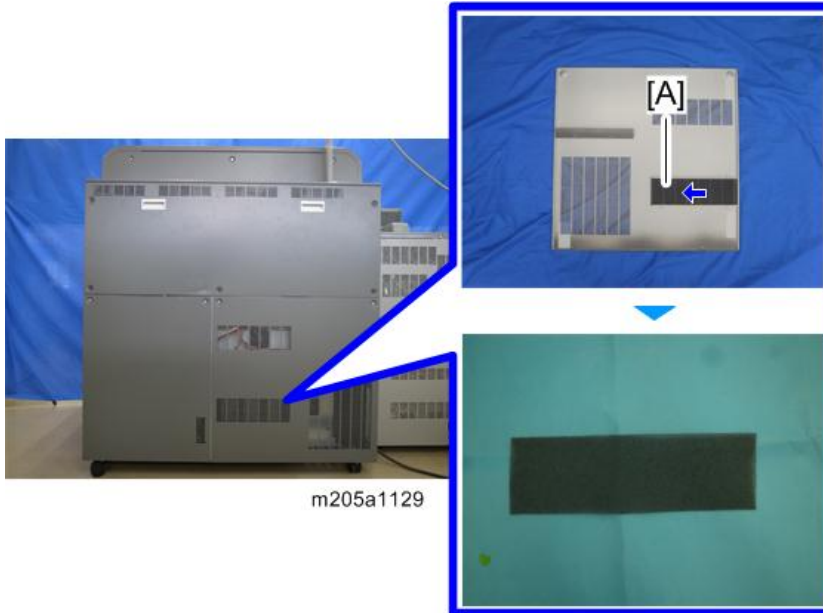
- [A]: Development filter (K)
- [B]: Development filter (C)
- [C]: Development filter (M)
- [D]: Development filter (Y)

3. Clean the development filters [A] with a vacuum cleaner.

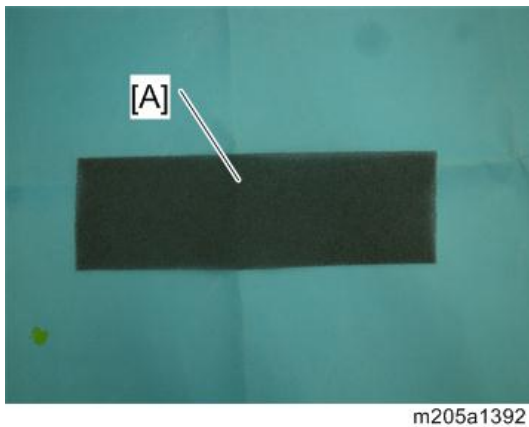


PSU Filter (Imaging Section)

1. Rear box right lower cover (page 695)
2. Turn over the removed rear right lower cover, and then remove the PSU filter (imaging section) [A].



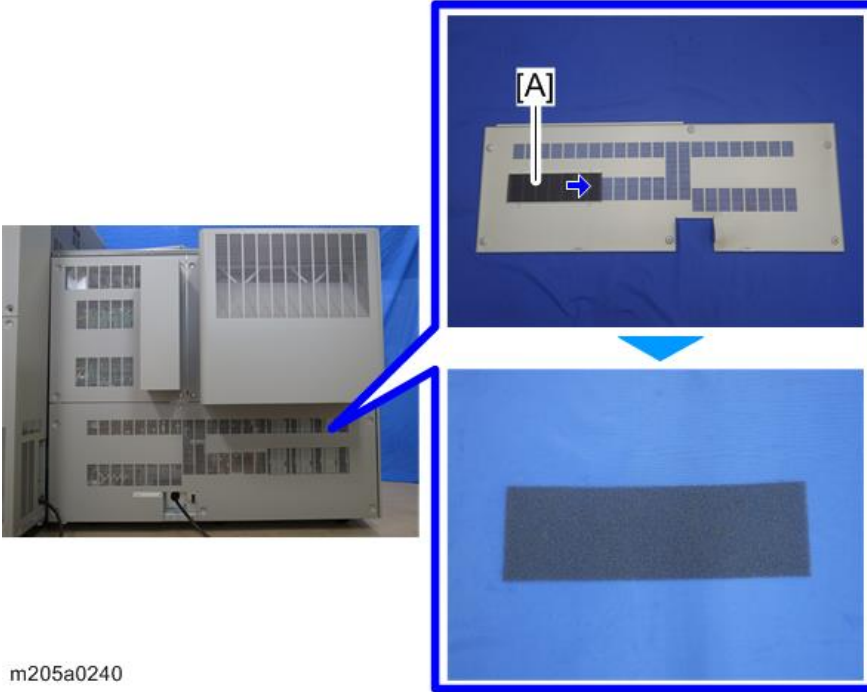
3. Clean the PSU filter (imaging section) [A] with a vacuum cleaner.



PSU Filter (Fusing Section)

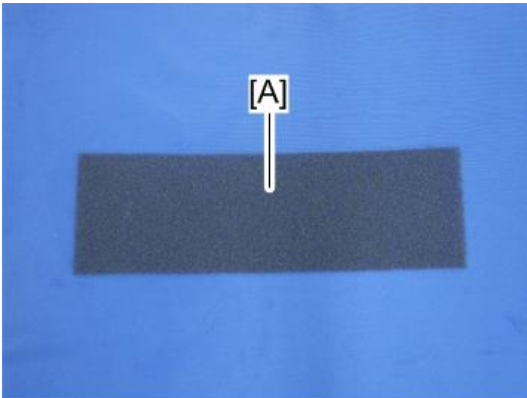
1. Rear lower cover (fusing section) (page 701)

1. Turn over the removed rear lower cover, and then remove the PSU filter (fusing section) [A].



m205a0240

2. Clean the PSU filter (fusing section) [A] with a vacuum cleaner.



m205a0241

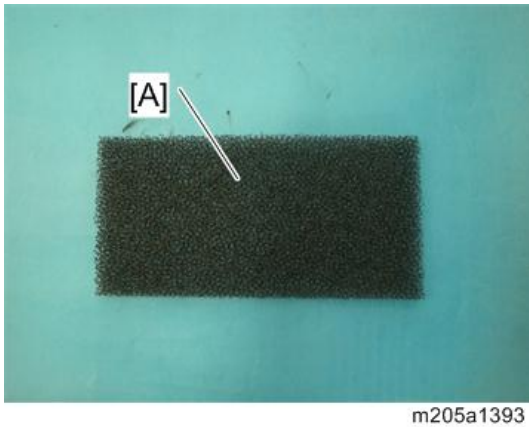
Controller Filter

1. Rear box left lower cover (page 694)

2. Controller filter [A]



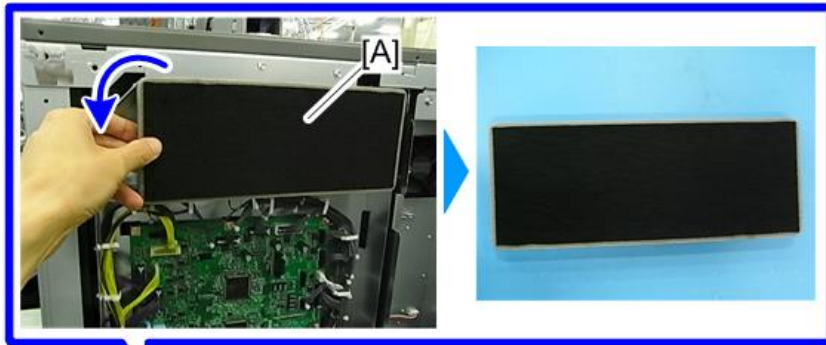
3. Clean the controller filter [A] with a vacuum cleaner.



VOC Filters

1. Rear upper left cover (fusing section) (page 699)

2. Remove the VOC filter (upper) [A] from the IOB bracket.



3

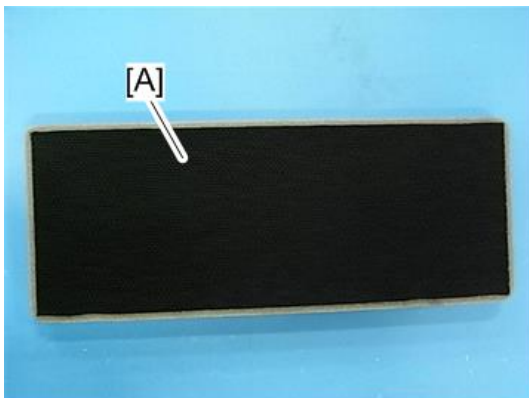


m205a0217

↓ Note

- When removing the VOC filter (upper), pull it out from the cutout at the left side of the VOC filter (upper).

3. Clean the VOC filter (upper) [A] with a vacuum cleaner.



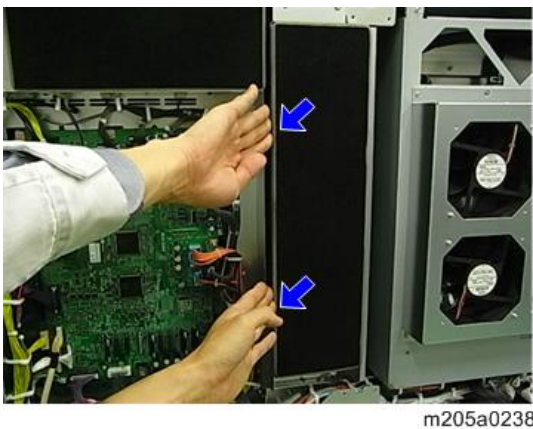
m205a0218

4. Remove the VOC filter (right) [A].

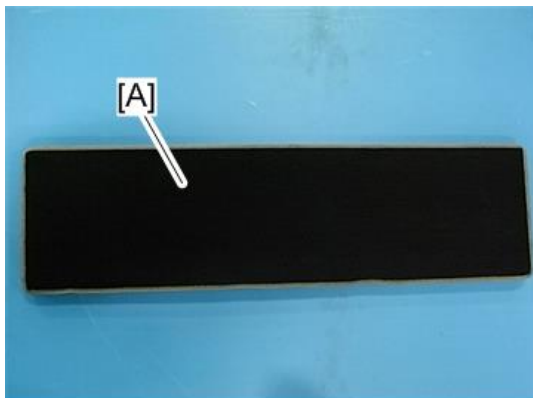


↓ Note

- When removing the VOC filter (right), pull it out from the two cutouts at the left side of the VOC filter (right).



5. Clean the VOC filter (right) [A] with a vacuum cleaner.



m205a0239

Lubrication Points

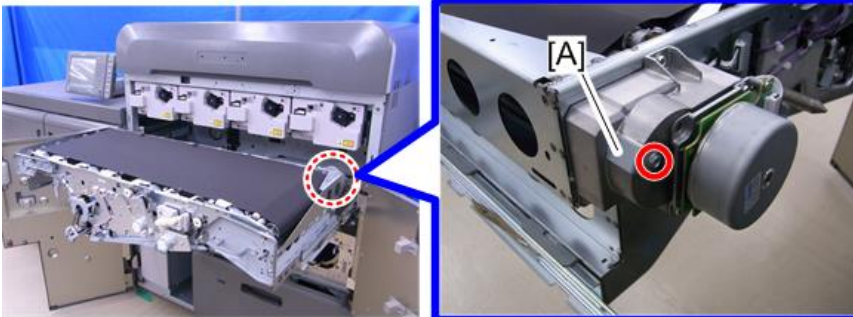
Intermediate Transfer Belt (ITB) Unit

ITB Motor Drive Gears

You need to apply the grease (Molykote EM-50L (Dow Corning Toray Co.,Ltd.)) at 1800K to ITB motor drive gears. Make sure to apply the grease. Not applying the grease may cause malfunction.

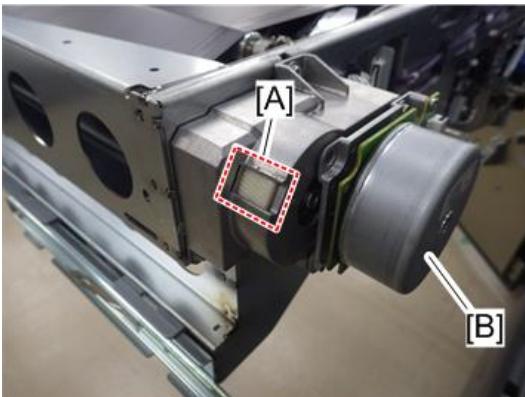
3

1. Withdraw the ITB unit to the service position. (page 798)
2. Protection bracket [A] (🔧×1)



m205a2661

3. Apply the grease to the gear from lubrication window [A] evenly with brush.
4. Rotate the ITB motor [B] five times at 60 degrees intervals, and apply the grease from lubrication window [A] whenever you rotate the ITB motor.



m205a2901

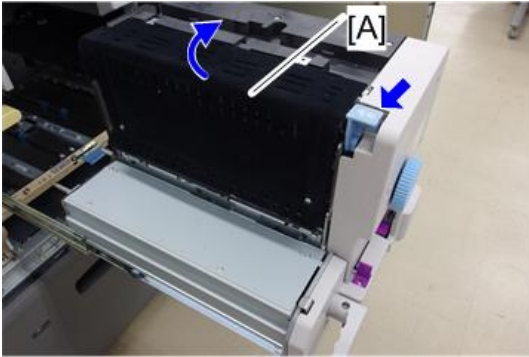
Fuser Unit

Fusing Roller Drive Gears (Upper and Lower)

You need to apply the grease (FLUOTRIBO MG Grease) at 1800K to fusing roller drive gears.

1. Withdraw the fuser unit to the service position. (page 1151)
2. Open the fuser cover [A].

3



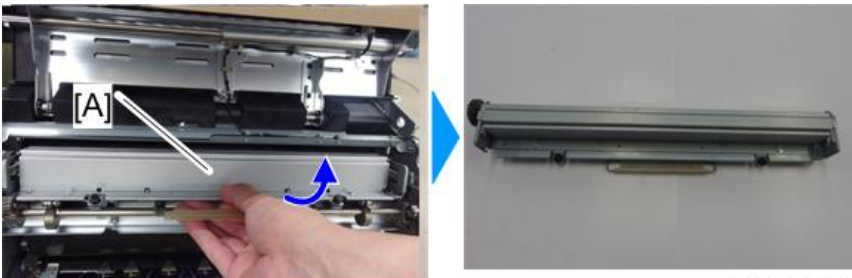
m205z5025

3. Loosen the fixing screws of the fuser belt smoothing roller unit [A]. (⊙ *2)



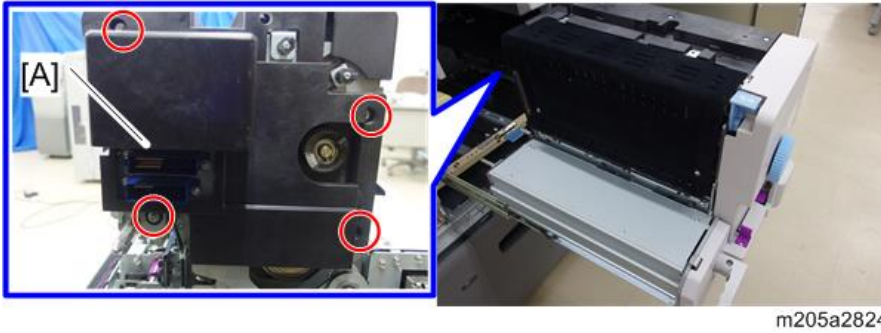
m205z5023

4. Hold the grip and remove the fuser belt smoothing roller unit [A].

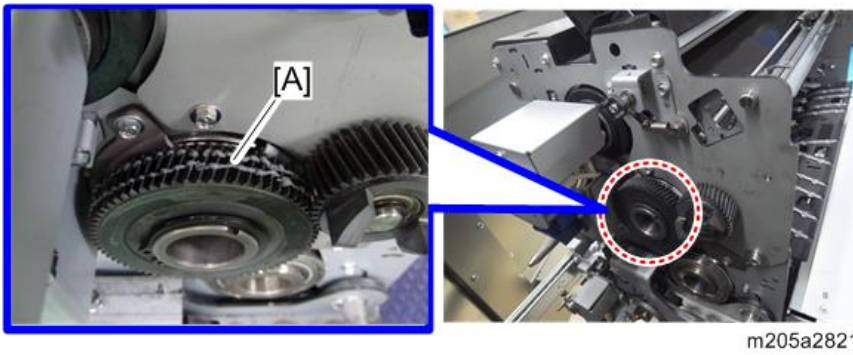


m205z5030

5. Fusing rear cover (🔩×4)

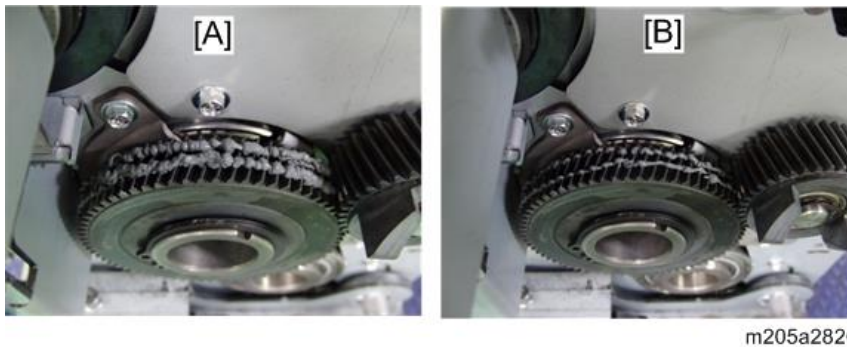


6. Apply the grease to drive gear [A] at rear of fusing roller.



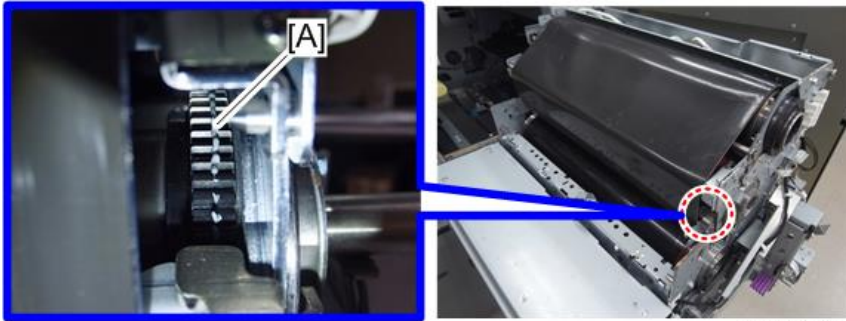
↓ Note

- The maximum and minimum amount of grease you should use is shown below.



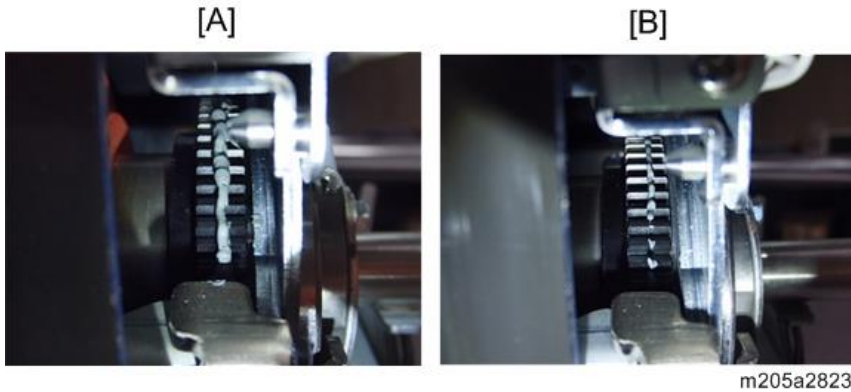
- [A]: Maximum amount
- [B]: Minimum amount

7. Apply the grease to drive gear [A].



↓ Note

- The maximum and minimum amount of grease you should use is shown below.



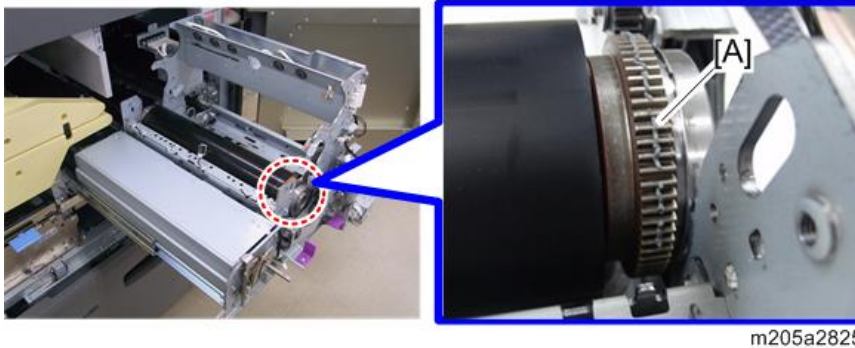
- [A]: Maximum amount
- [B]: Minimum amount

Pressure Roller Drive Gears

You need to apply the grease (FLUOTRIBO MG Grease) at 1800K to pressure roller drive gear. You also need to apply the grease when you replace the pressure roller.

1. Access to pressure roller. (page 1171 "Pressure Roller")

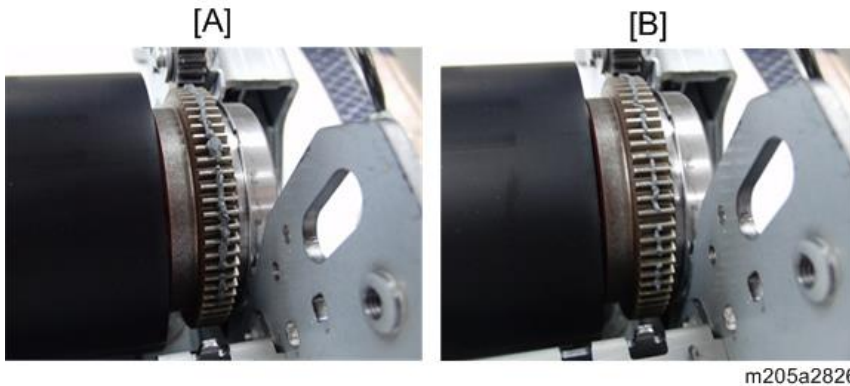
2. Apply the grease to pressure roller drive gear [A].



3

↓ Note

- The maximum and minimum amount of grease you should use is shown below.



- [A]: Maximum amount
- [B]: Minimum amount

Heating Roller Slip Ring

You need to apply the Barrierta S552R at 1800K to heating roller slip ring.

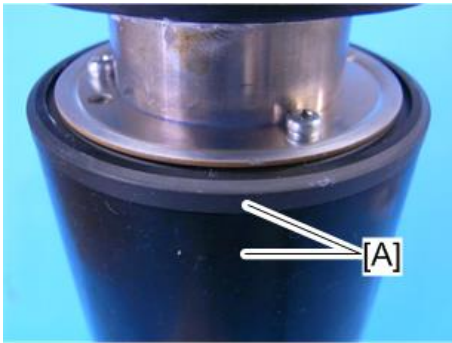
1. Heating roller (page 1173 "Fusing Roller")
2. Rotate the slip ring [A] at front side of the heating roller to check if the slip ring can rotate smoothly.

3. Apply the grease to slip ring [A] at front side of the heating roller.

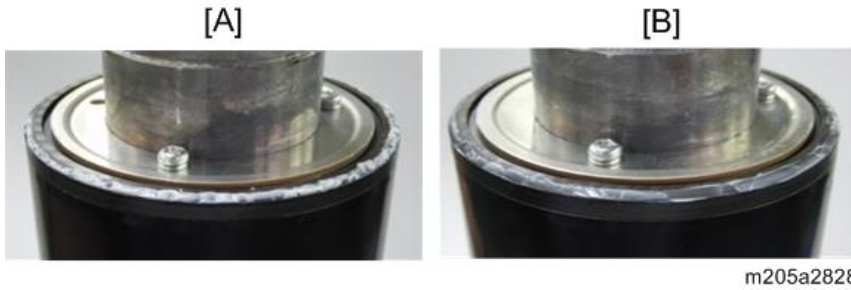


↓ Note

- When applying the grease, be careful not to adhere to [A]. If the grease adhered to [A], wipe it off.



- The maximum and minimum amount of grease you should use is shown below.



- [A]: Maximum amount
- [B]: Minimum amount

3

4. Apply the grease to the slip ring [A] at rear side of the heating roller in the same way.

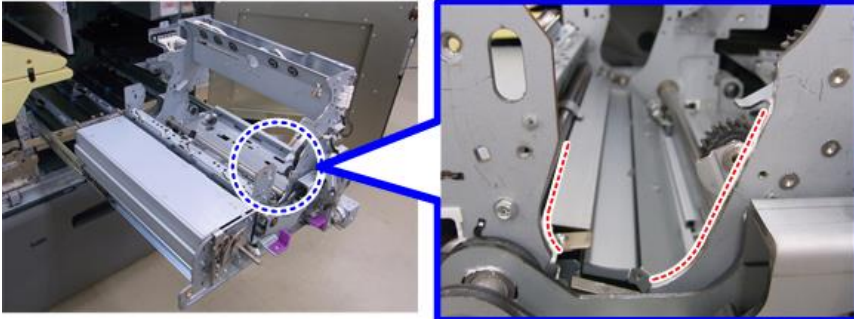


Sliding Parts of the Pressure Roller Bearing

You need to apply the Barrierta S552R at 1800K to sliding parts of the pressure roller bearing. You also need to apply the grease when you replace the pressure roller.

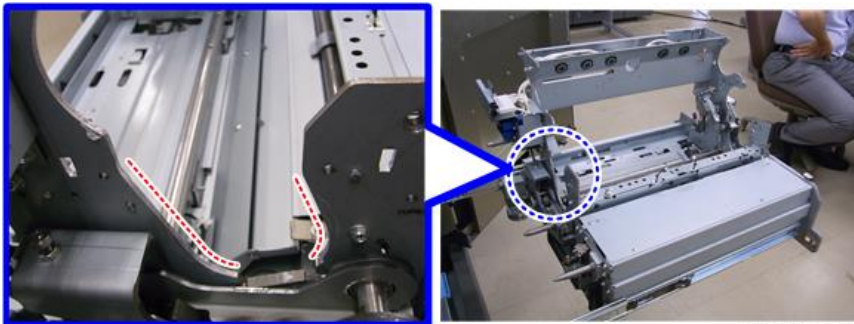
1. Pressure roller (page 1171)

2. Apply the grease to sliding parts (red dotted lines shown below) of pressure roller bearing at front side.



m205a2829

3. Apply the grease to sliding parts (red dotted lines shown below) of pressure roller bearing at rear side in the same way.



m205a2830

Note

- The maximum and minimum amount of grease you should use is shown below.



m205a2831

- [A]: Maximum amount
- [B]: Minimum amount

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 AC (alternator 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, not only these boards, it will damage other electrical components. If the AC power switch is turned off, the power which is supplied to the controller board, the operation unit and other modules is cut off.

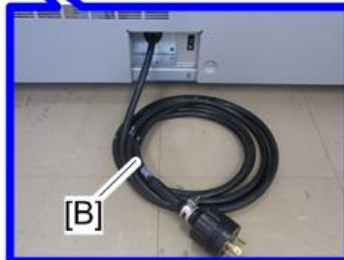
So, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always turn off the AC power switch and unplug the AC power cord.

When you disconnect the power cord from the AC wall outlet, inside the machine residual charge remain for a while.

When you turn off the AC power switch and 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. You need to wait until the LED turns off when you remove boards.

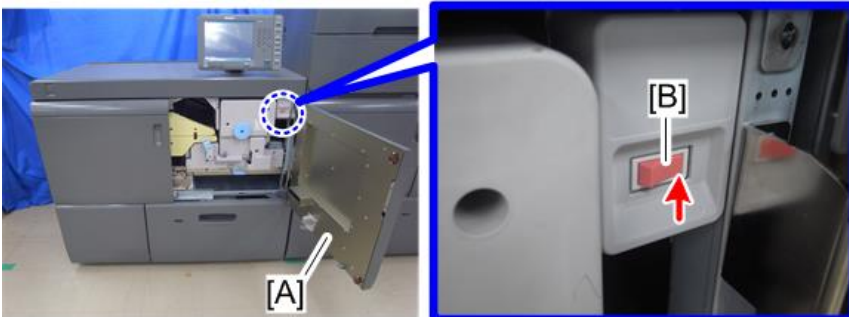
Turning the Machine On

1. Plug the power cord [A] of the imaging section and power cord [B] of fusing section into its power source.



m205a2973

2. Open the front right door of the fusing section and confirm that the AC power switch [A] is set to ON.



m205a2246

★ Important

- Before the machine leaves the factory, the AC power switch is set to ON. Leave the AC power switch ON when using the machine. AC power switch is turned off when forced shut down does not work.
- As a safety precaution set the main power switch and the AC power switch to OFF and disconnect the main machine power cord before servicing the machine. After servicing the machine, be sure to set the AC power switch back to ON.

3. Lift the switch cover at the front left side of the fusing section and press the main power switch [A].



4. After the [Please Wait] message, the initial screen appears.

4

Shutdown Method

1. Lift the switch cover at the front left side of the fusing section and press the main power switch [A].

After the shutdown process, the main power is turned off automatically.



When the shutdown is complete

Main power LED: Off

Operation panel LED: Off

How to start from shutdown

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

To make a forced shutdown, press and hold the main power switch for 6 seconds.

In general, do not use the forced shutdown. In case normal shutdown does not complete for some reason, the machine has a forced shutdown function.

 **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.

Beforehand

WARNING

- Turn off the power switch with the procedure shown below.
 1. Turn off the main power switch.
 2. Turn off the AC power switch.
 3. Disconnect the two power cords (one is located at rear of imaging section, one is located at rear of fusing section) from the power plug.

CAUTION

- Since following units are heavy, two or more people are required to remove/install them and be sure to handle them with care.
 - Paper Tray 1 (page 898)
 - Paper Tray 2 (page 997)
 - Registration Unit (Right) (page 961)
 - Registration Unit (Left) (page 963)
 - Drawer Unit (page 1061)
 - Paper Exit Unit (page 1250)
 - Paper Cooling Unit (page 1220)

Special Tools and Lubricants

The following special tools should be prepared for maintenance of this model in the field.

Unique or Common:

U: Unique for this model

C: Common with listed model

Special Tools

No.	Part Number	Description	Q'ty	Unique or Common
1	B1329700	LUBRICANT POWDER	1	C (General)
2	B6455010	SD-CARD:ASS'Y	1	C (General)
3	-	NICE	1	U
4	D0159501	ZINC STEARATE	1	C (General)
5	D0159500	G104 YELLOW TONER	1	C (General)
6	D0747690	BRUSH:BLOWER	1	C (General)

Note

- A PC (Personal Computer) is required for installing a Parameter Settings file on the RPIP Interface Box.

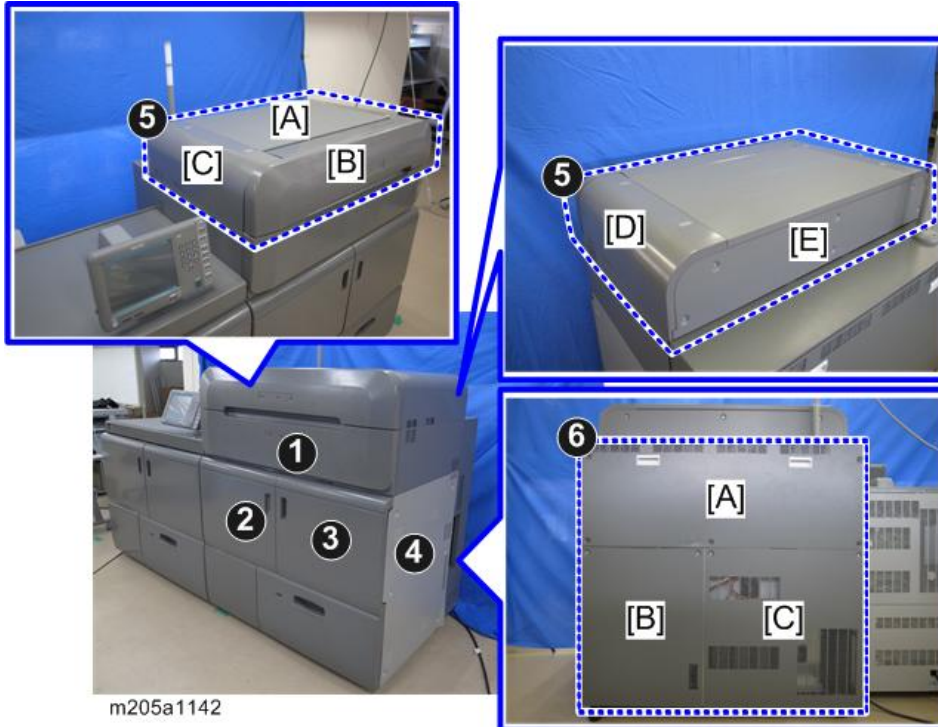
Lubricants

No.	Part No.	Description	Q'ty	Unique or Common
1	52039502	Silicone Grease 501	1	C (General)
2	A2579300	Grease Barrierta S552R	1	C (General)
3	G0049698	Grease KS660 SHIN-ETSU	1	C (General)
4	VSSG9002	FLUOTRIBO MG GREASE : 100G	1	C (General)

Exterior Covers/Doors

Exterior Layout

Imaging Section



4

No.	Part Name	Replacement procedure	Remarks
1	Upper Front Cover	page 677	
2	Left Front Door (Imaging Section)	page 679	
3	Right Front Door (Imaging Section)	page 680	
4	Right Cover (Imaging Section)	page 681	
5	Toner Supply Unit Cover	page 682	Remove all covers from 5-A to 5-E when you work on the parts of the toner supply unit.
5-A	Toner Supply Top Cover	-	

No.	Part Name	Replacement procedure	Remarks
5-B	Toner Supply Front Cover	-	
5-C	Toner Supply Left Upper Cover	-	The toner supply right upper cover (5-D) is same part as this cover.
5-D	Toner Supply Right Upper Cover	page 690	This cover must be removed when you work on the parts in the right side of the toner supply unit. The toner supply left upper cover (5-C) is same part as this cover.
5-E	Toner Supply Rear Cover	page 691	This cover must be removed when you work on the parts on the back side of the toner supply unit or open the rear box.
6	Rear Box	page 691	When you open the rear box, the toner supply rear cover must be removed beforehand.
6-A	Rear Box Upper Cover	page 693	
6-B	Rear Box Left Lower Cover	page 694	
6-C	Rear Box Right Lower Cover	page 695	

Fusing Section

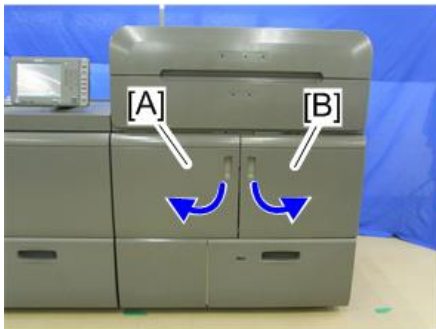


m205a1141

No.	Part Name	Replacement procedure	Remarks
1	Left Cover (Fusing Section)	page 696	
2	Left Front Door (Fusing Section)	page 697	
3	Right Front Door (Fusing Section)	page 698	
4	Rear Upper Left Cover (Fusing Section)	page 699	
5	Duct Cover (Fusing Section)	page 700	
6	Rear Lower Cover (Fusing Section)	page 701	

Upper Front Cover

1. Open the left front door [A] and right front door [B] of the imaging section.



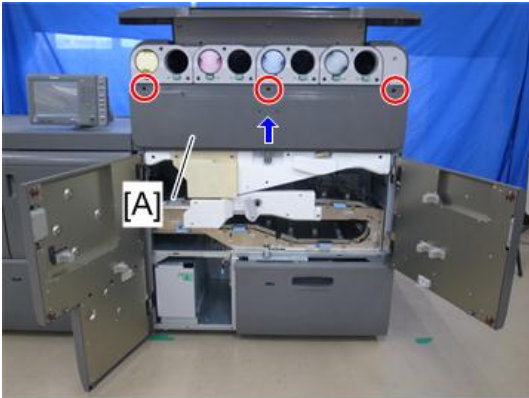
m205a2271

2. Open the toner supply front cover [A].



m205a1183

3. Remove the upper front cover [A] by moving it upward. (⚙️×3)

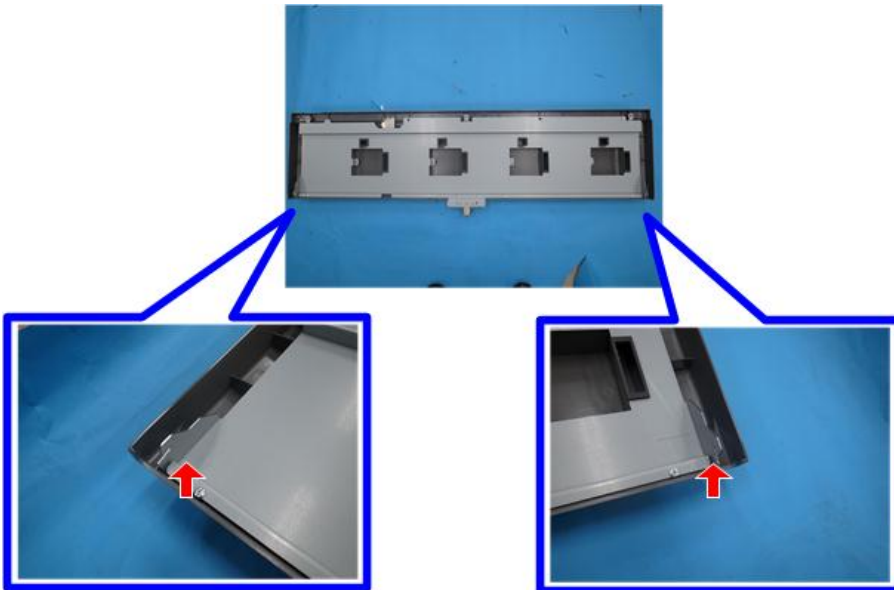


m205a1184

4

↓ Note

- Check the position of the hooks in the photo below before removing.



m205a1185

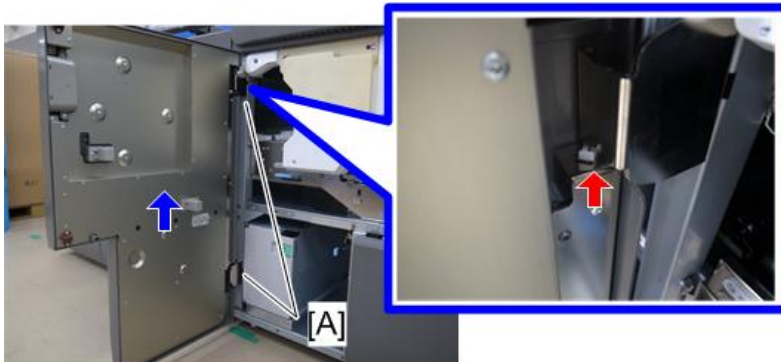
Left Front Door (Imaging Section)

1. Open the left front door (imaging section) [A].



m205a1177

2. Remove the clip ring from the upper hinge, and then lift up the door to remove it from the hinges [A]. (⑧×1)



m205a1178

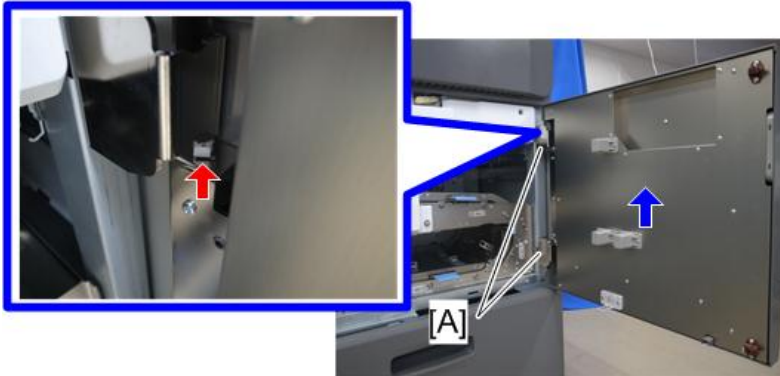
Right Front Door (Imaging Section)

1. Open the right front door (imaging section) [A].



m205a1175

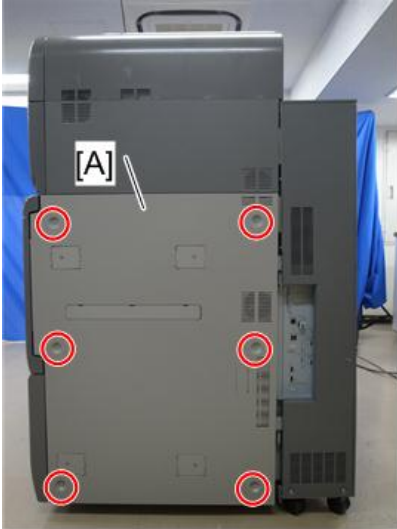
2. Remove the clip ring from the upper hinge, and then lift up the door to remove it from the hinges [A]. (1/1)



m205a1176

Right Cover (Imaging Section)

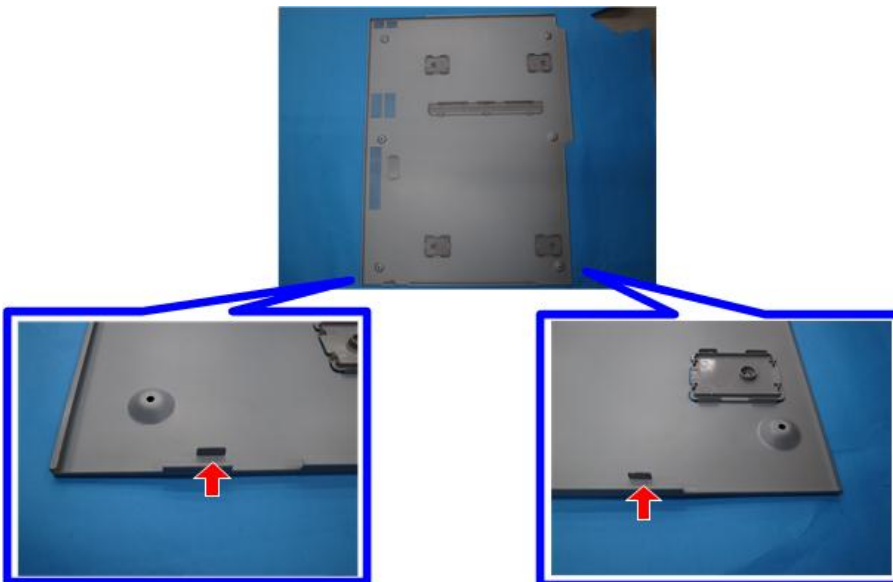
1. Right cover (imaging section) [A] (🔑×6)



m205a1186

Note

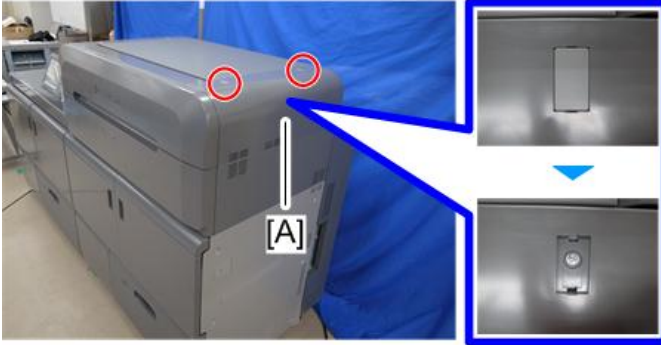
- Check the position of the hooks in the photo below before removing.



m205a1187

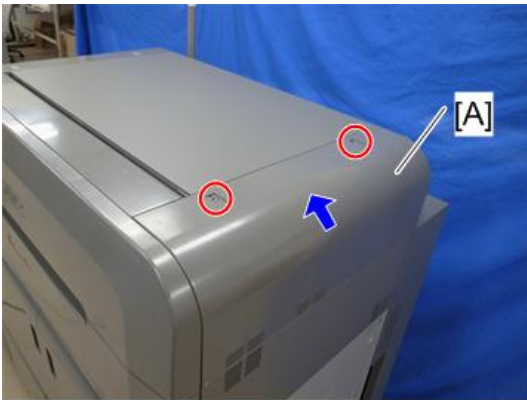
Toner Supply Unit Cover

1. Remove the screw covers on the toner supply right upper cover [A] with a small flat-tip screwdriver. (screw cover×2)



m205a1150

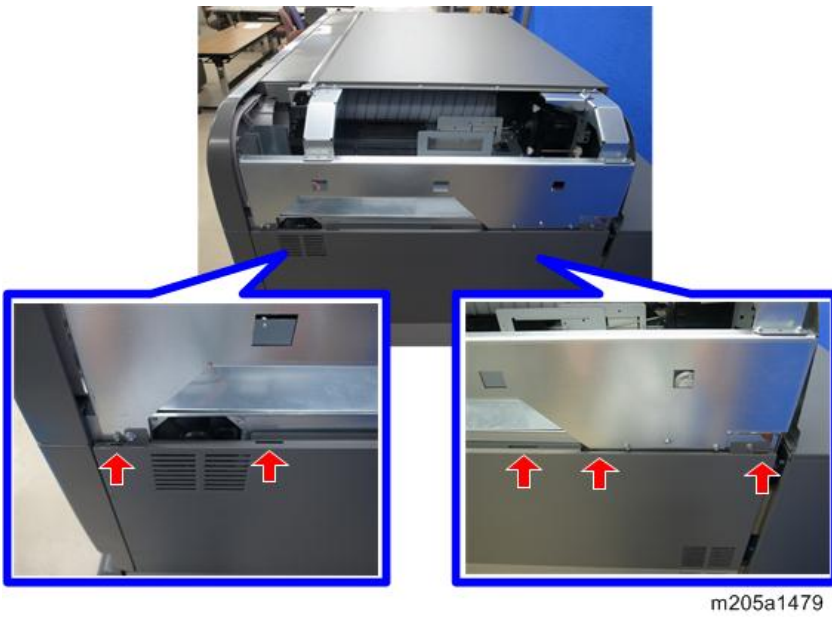
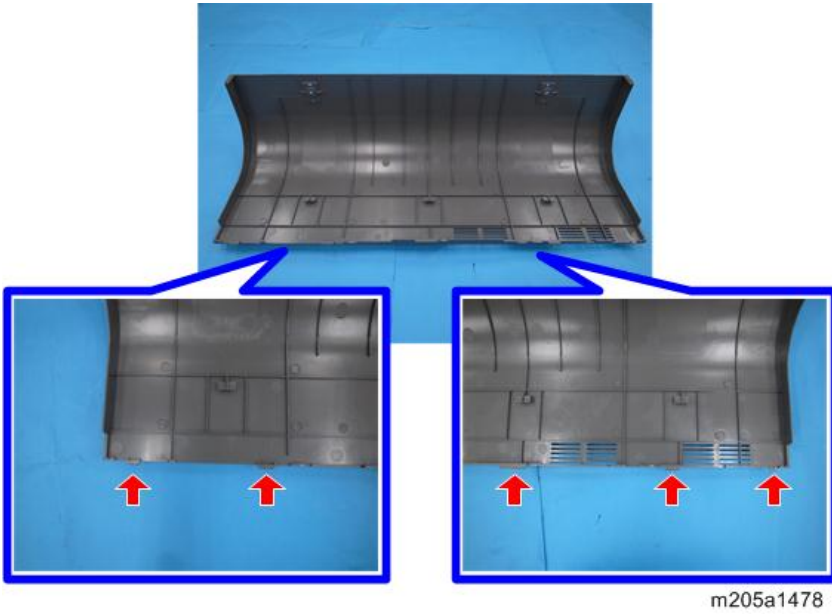
2. Remove the toner supply right upper cover [A] by moving it upward. (⌀×2)



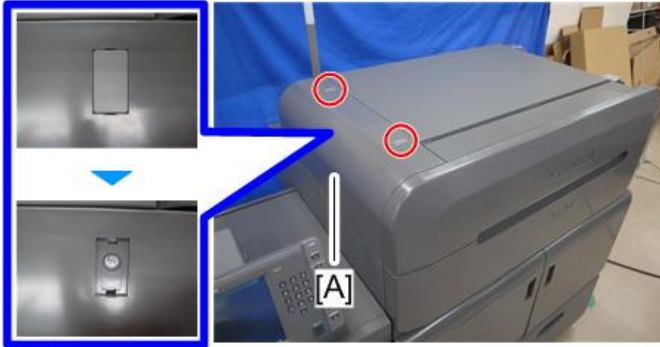
m205a1151

Note

- Check the position of the hooks in the photo below before removing.

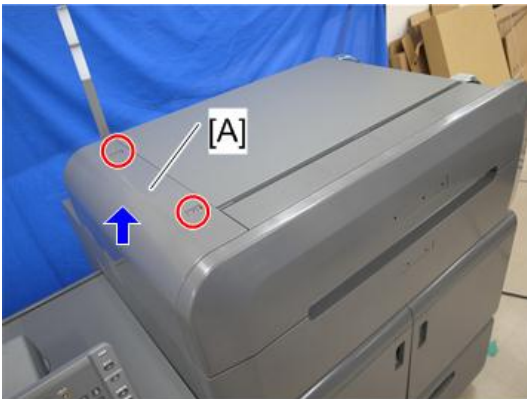


3. Remove the screw covers on the toner supply left upper cover [A] with a small flat-tip screwdriver. (screw cover×2)



m205a1152

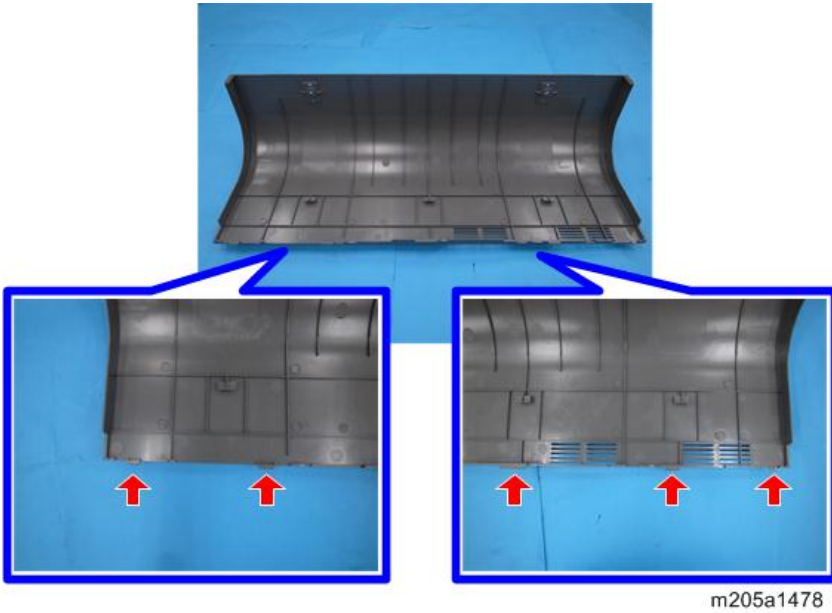
4. Remove the toner supply left upper cover [A] by moving it upward. (🔑×2)



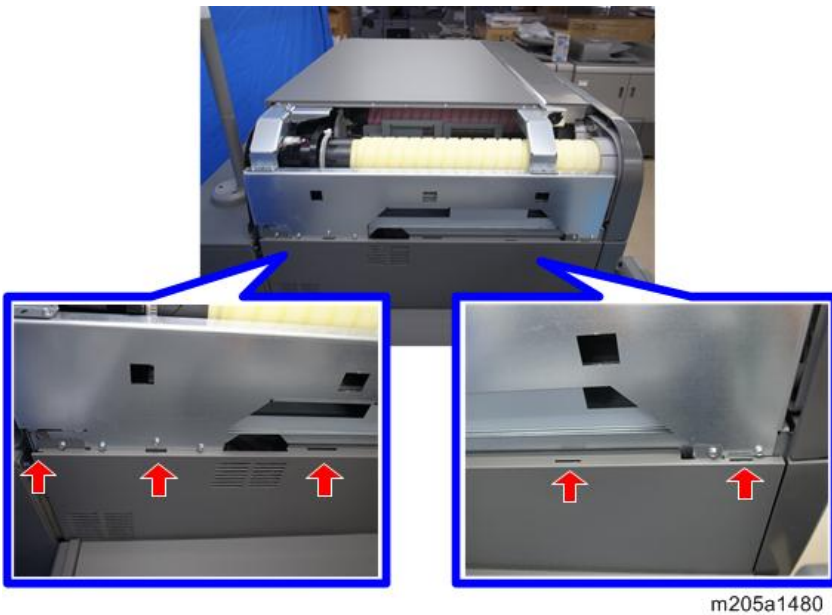
m205a1153

Note

- Check the position of the hooks in the photo below before removing.

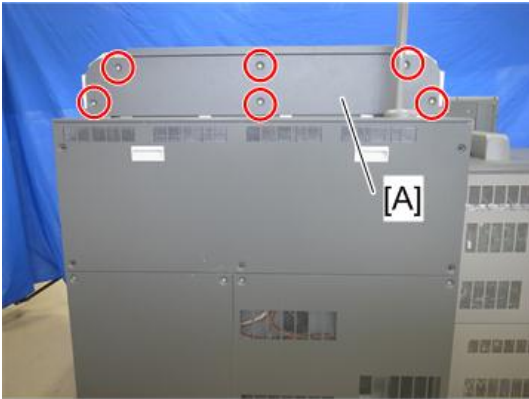


m205a1478



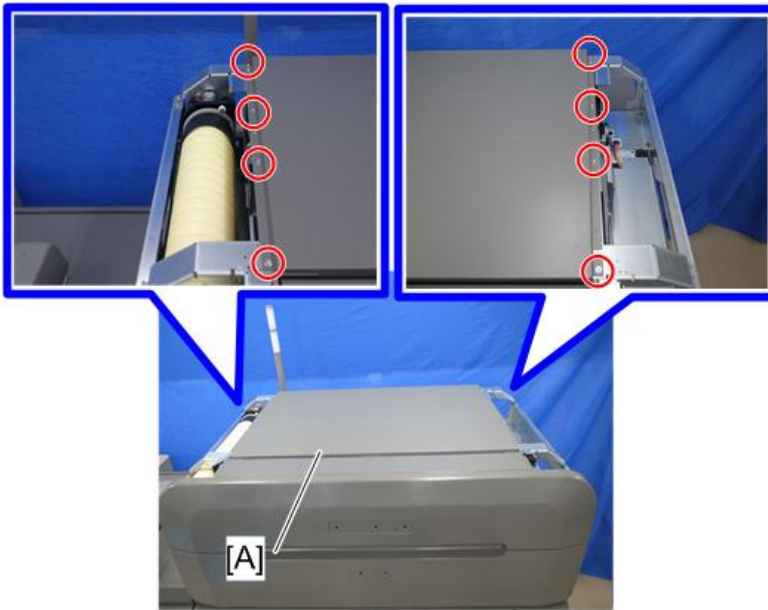
m205a1480

5. Toner supply rear cover [A] (Ⓜ×6)



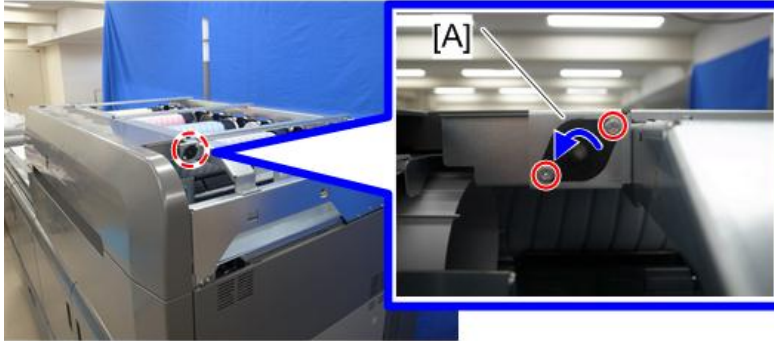
m205a1160

6. Toner supply top cover [A] (Ⓜ×8)



m205a1154

7. Remove the screws on the hinge [A] located on right side of the toner supply front cover, and then pull out the hinge by turning it counterclockwise. (⚙️*2)



m205a1155

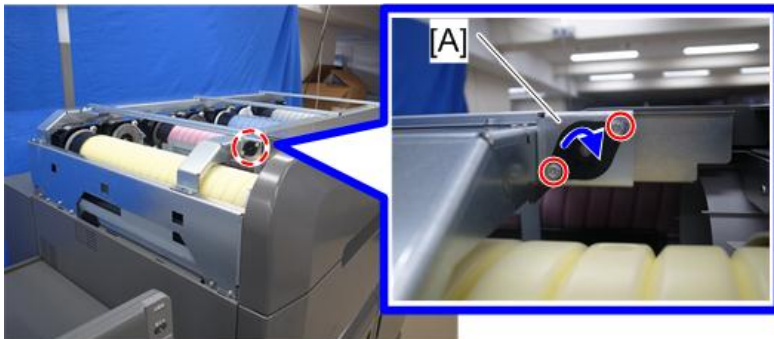
Note

- Two types of hinges are used on the toner supply front cover. The black hinge is for the right side.



m205a1156

8. Remove the screws on the hinge [A] located on left side of the toner supply front cover, and then pull out the hinge by turning it clockwise. (⚙️*2)



m205a1157

Note

- Two types of hinges are used on the toner supply front cover. The white hinge is for the left side.



m205a1158

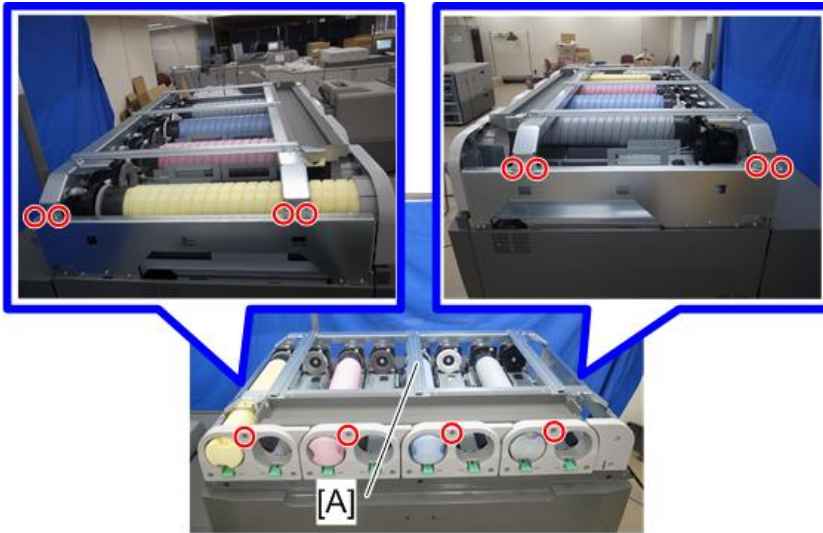
4

9. Open the toner supply front cover [A]. Lift the right shaft [B], and then move the toner supply front cover rightward to remove it.



m205a1159

10. Remove the screws which fix the toner supply frame [A]. (⌀ ×12)



m205a1161

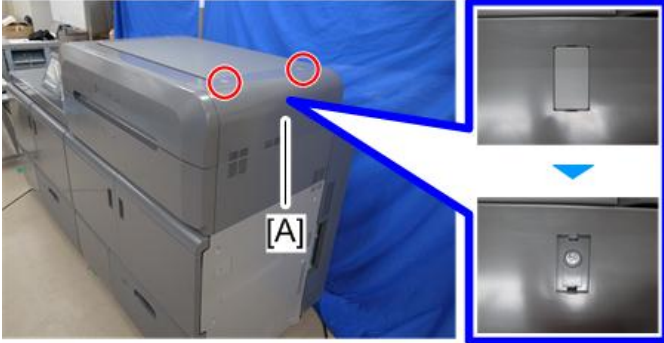
11. Stand in front of the machine and lift the toner supply frame [A] to remove it.



m205a1162

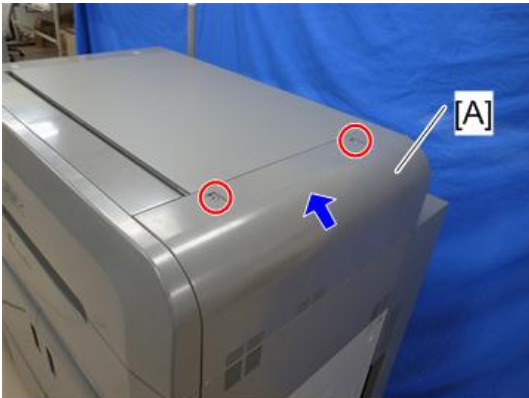
Toner Supply Right Upper Cover

1. Remove the screw covers on the toner supply right upper cover [A]. (screw cover*2)



m205a1150

2. Remove the toner supply right upper cover [A] by moving it upward. (⚙️*2)



m205a1151

Toner Supply Rear Cover

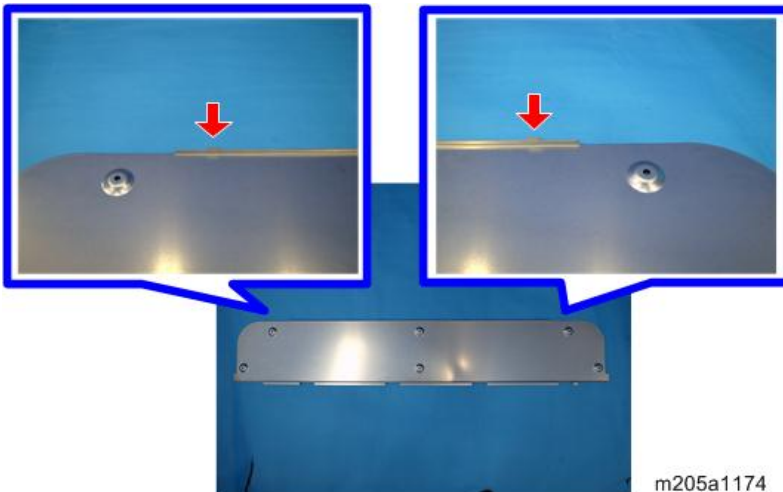
1. Toner supply rear cover [A] (Ⓜx6)



m205a1173

↓ Note

- Check the position of the hooks in the photo below before removing.

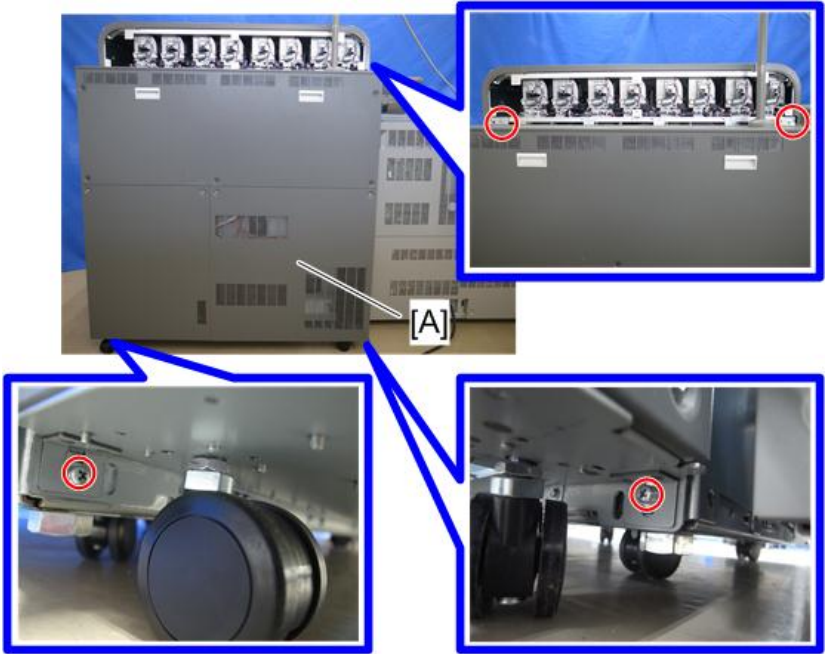


m205a1174

Rear Box

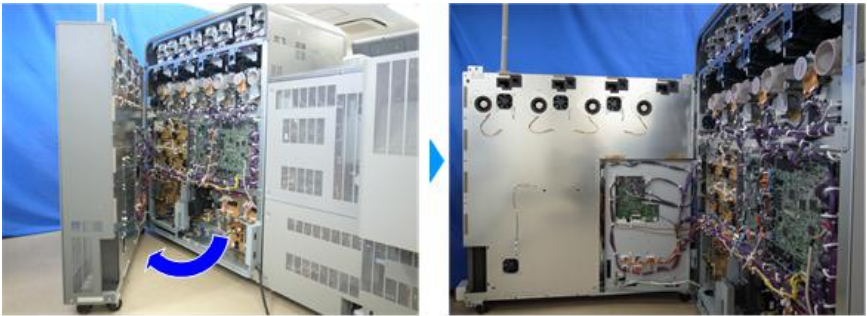
1. Toner supply rear cover (page 691)

2. Remove the screws on the rear box [A]. (⚙️×4)



m205a1057

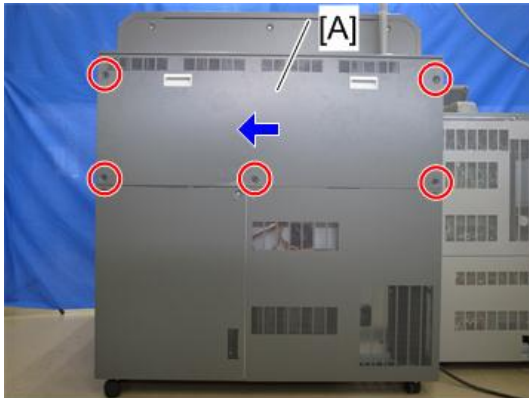
3. Open the rear box from right side.



m205a1058

Rear Box Upper Cover

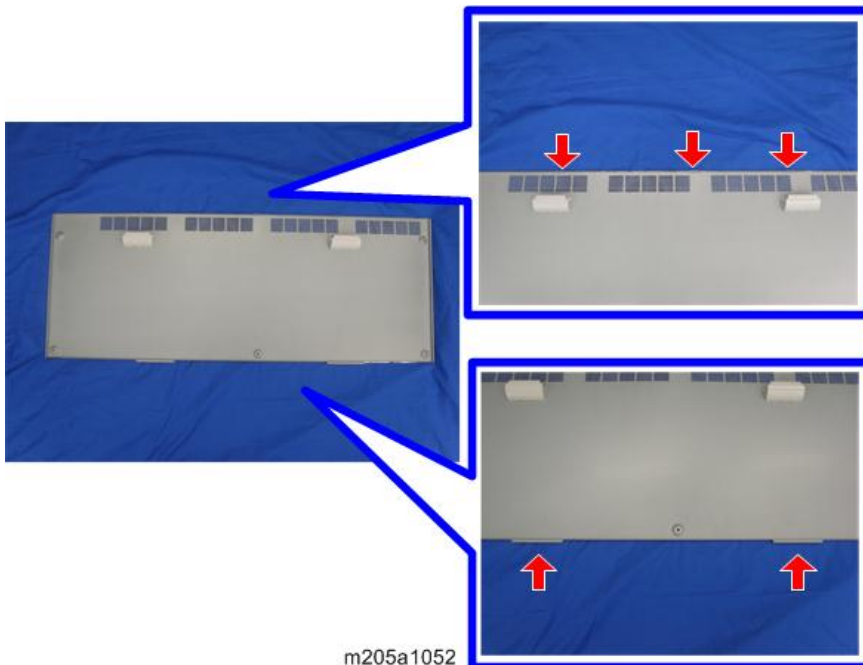
1. Remove the screws on the rear box upper cover [A], and then slide it leftward to remove it. (🔩x5)



m205a1050

↓ Note

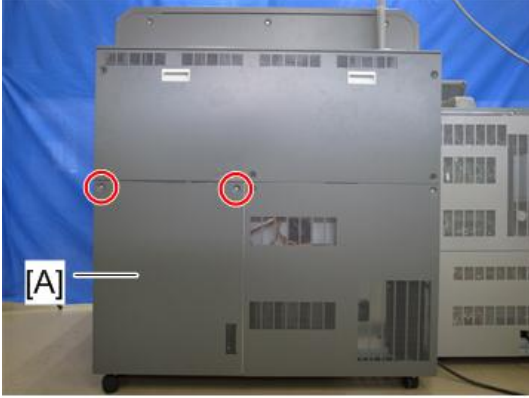
- Check the position of the hooks in the photo below before removing.



m205a1052

Rear Box Left Lower Cover

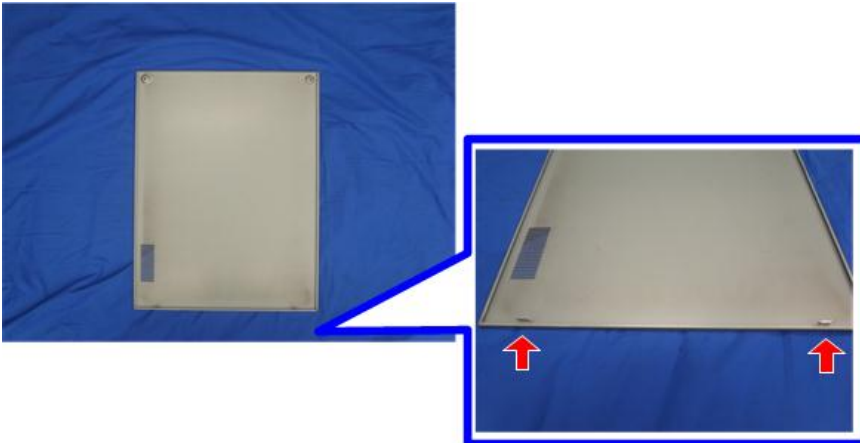
1. Rear box left lower cover [A] (⊙*2)



m205a1055

Note

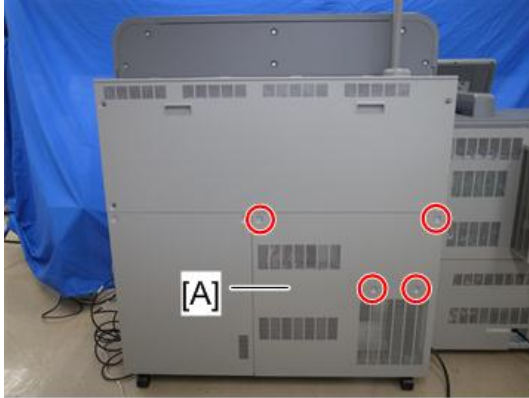
- Check the position of the hooks in the photo below before removing.



m205a1056

Rear Box Right Lower Cover

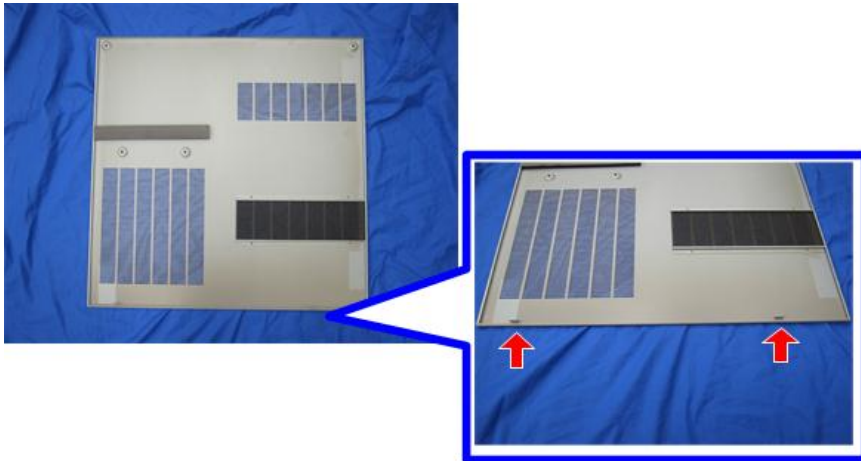
1. Rear box right lower cover [A] (ⓐ ×4)



m205a1053

↓ Note

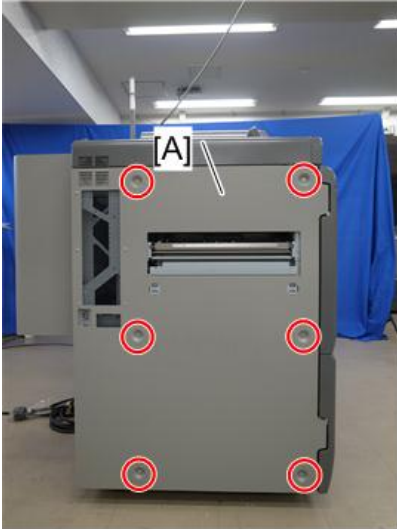
- Check the position of the hooks in the photo below before removing.



m205a1054

Left Cover (Fusing Section)

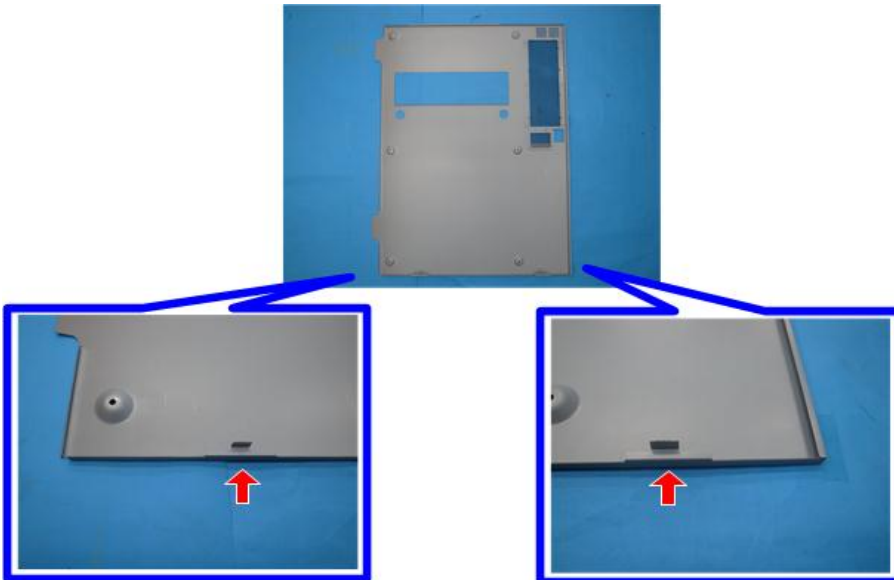
1. Left cover (fusing section) [A] (⊙x6)



m205a1188

Note

- Check the position of the hooks in the photo below before removing.



m205a1189

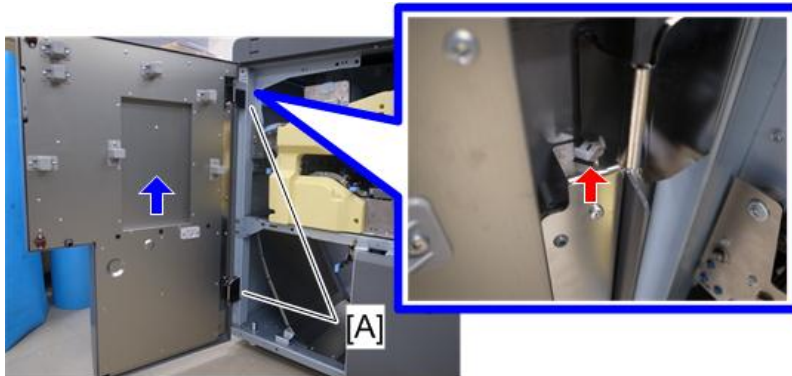
Left Front Door (Fusing Section)

1. Open the left front door (fusing section) [A].



m205a1181

2. Remove the clip ring from the upper hinge, and then lift up the door to remove it from the hinges [A]. (⑧×1)



m205a1182

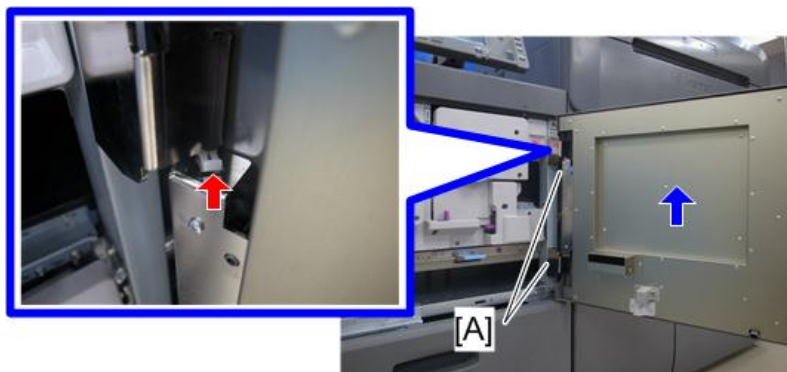
Right Front Door (Fusing Section)

1. Open the right front door (fusing section) [A].



m205a1179

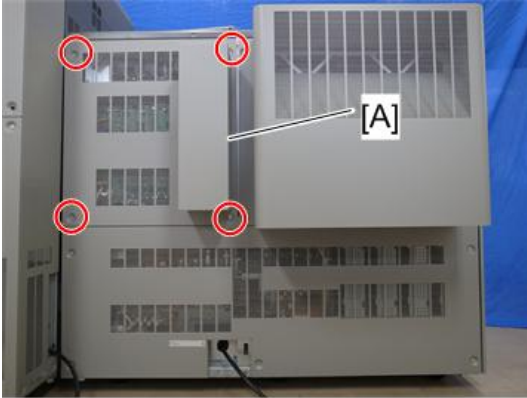
2. Remove the clip ring from the upper hinge, and then lift up the door to remove it from the hinges [A]. (⑧×1)



m205a1180

Rear Upper Left Cover (Fusing Section)

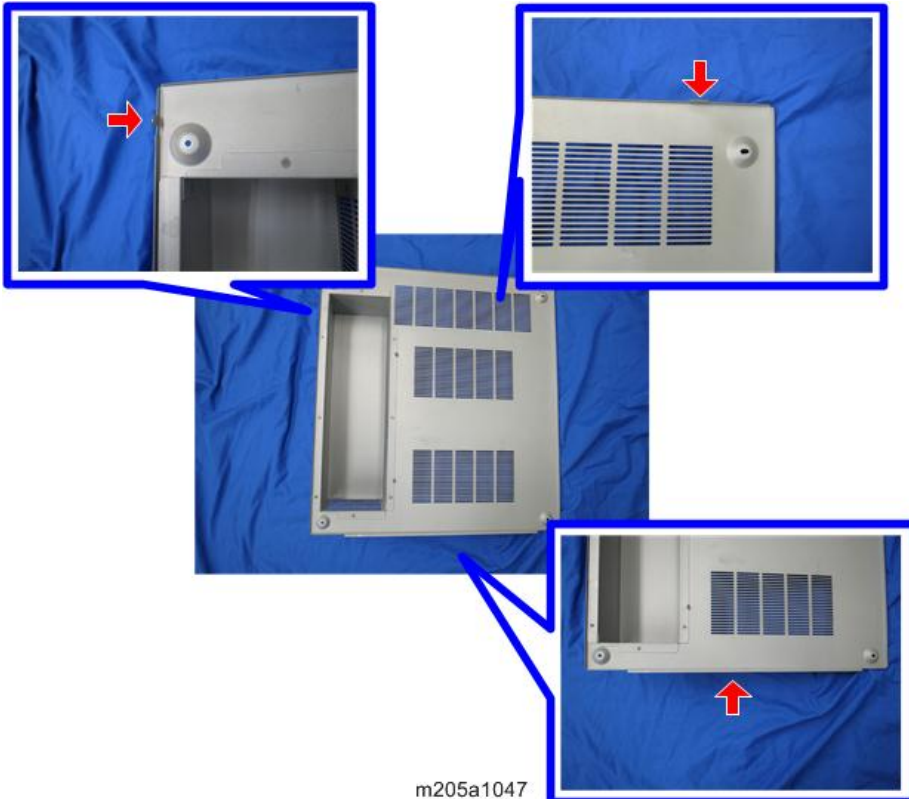
1. Rear upper left cover (fusing section) [A] (Ⓢ×4)



m205a1046

Note

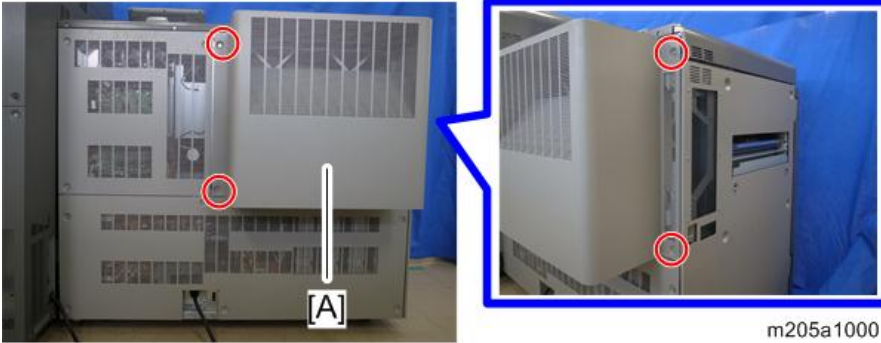
- Check the position of the hooks in the photo below before removing.



m205a1047

Duct Cover (Fusing Section)

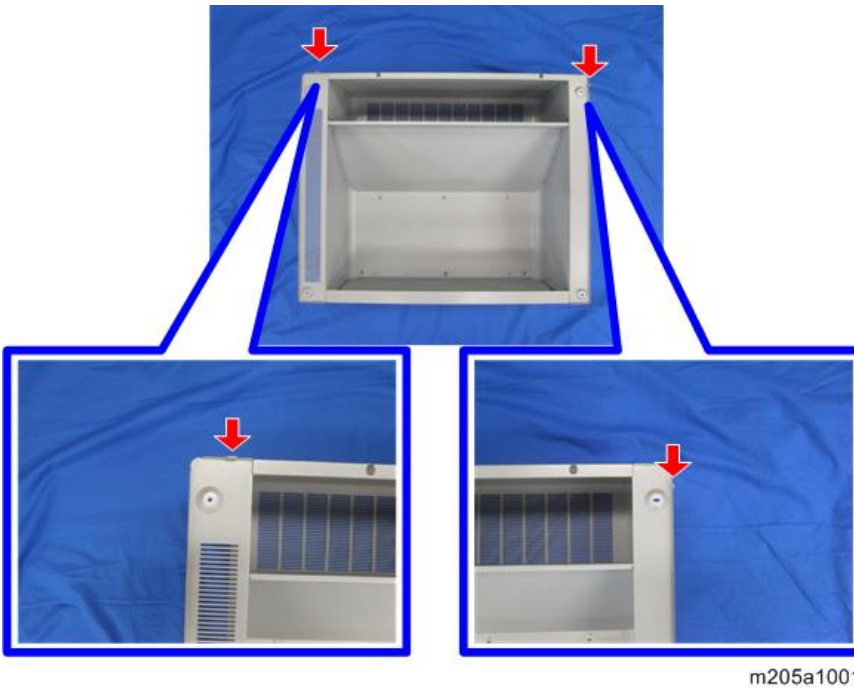
1. Remove the duct cover (fusing section) [A] by moving it upward. (⚙️ x4)



4

Note

- Check the position of the hooks in the photo below before removing.



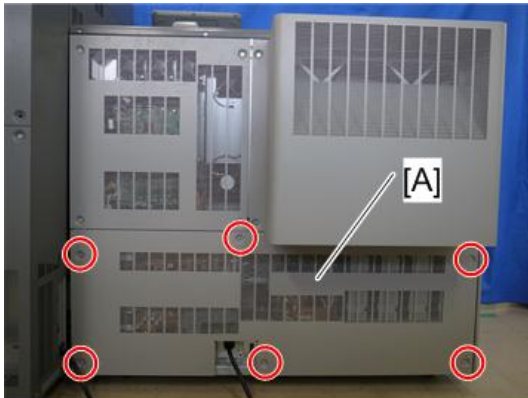
Rear Lower Cover (Fusing Section)

1. Loosen the lower screws on the duct cover (fusing section) [B] so that you can remove the rear lower cover (fusing section) [A] easily. (🔩×2)



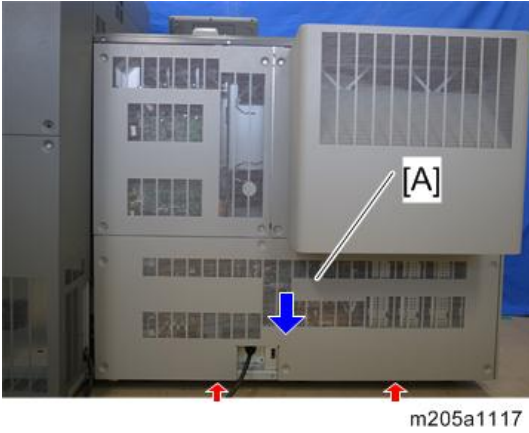
m205a1048

2. Remove the screws on the rear lower cover (fusing section) [A]. (🔩×6)



m205a1116

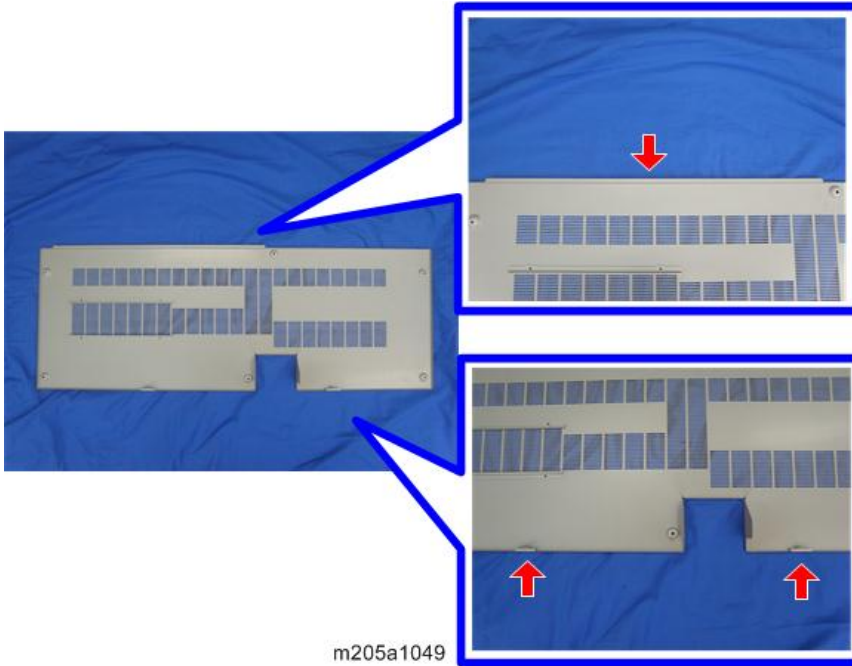
3. Remove the 2 hooks located on the lower side of the rear lower cover (fusing section) [A], and then move it downward to remove it.



4

↓ Note

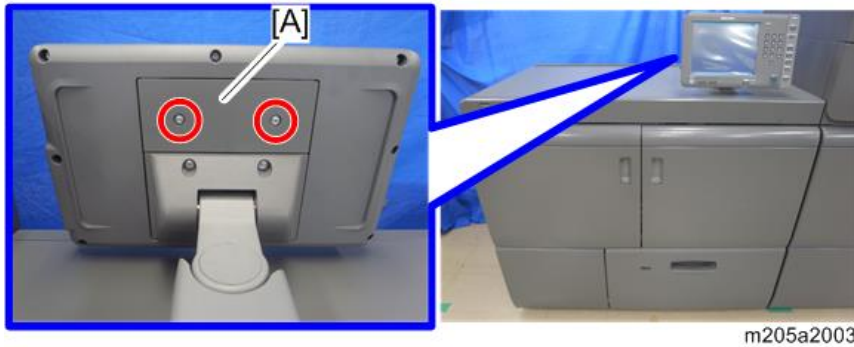
- Check the position of the hooks in the photo below before removing.



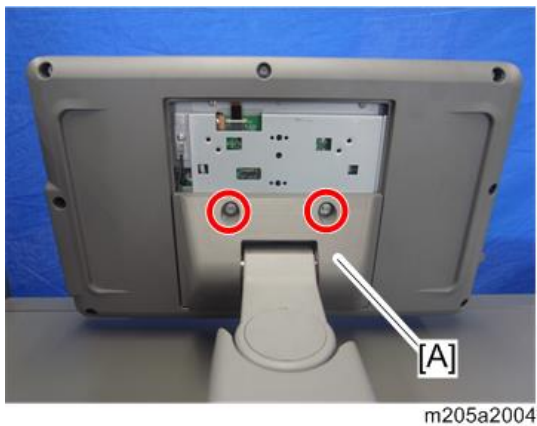
Operation Unit

Touch Panel

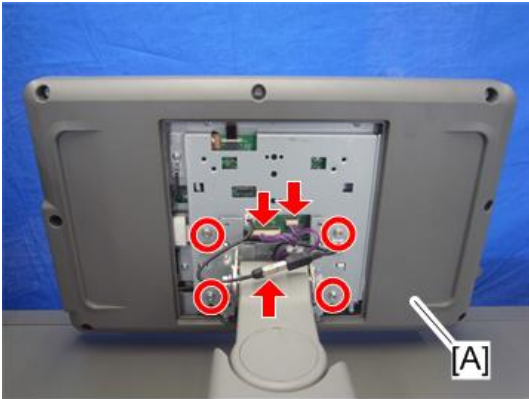
1. Remove the rear upper cover [A] of the operation panel from the back of the operation unit. (⊖ ×2)



2. Remove the rear lower cover [A] of the touch panel. (⊖ ×2)

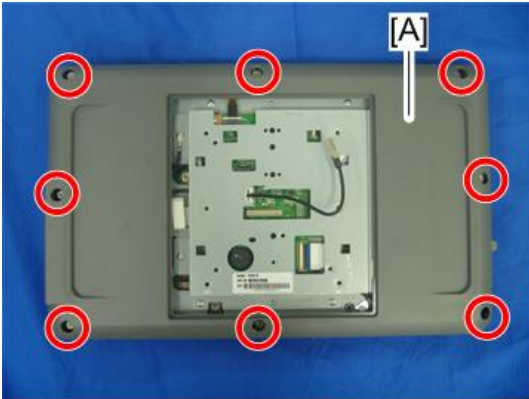


3. Remove the operation unit [A], and place it on a flat surface. (⚙️ x4, 📦 x3)



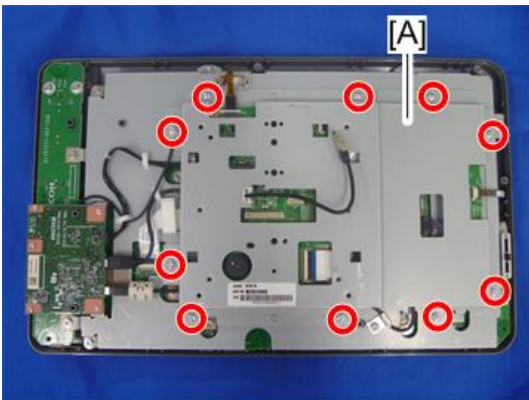
m205a2222

4. Remove the rear cover [A] of the operation panel. (⚙️ x8)



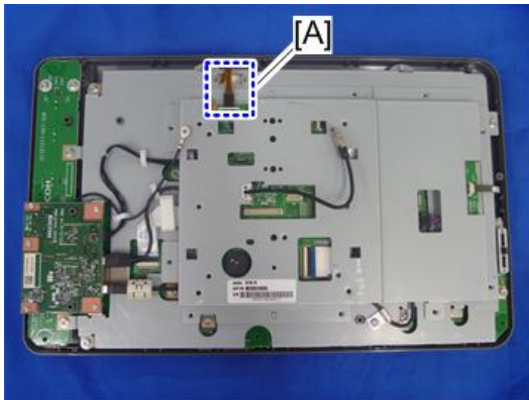
m205a2007

5. Remove the fixing screws of the 1st shield plate. (⚙️ x10)



m205a2008

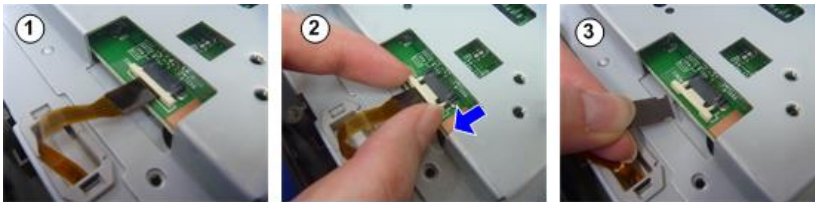
6. Disconnect the connector [A]. (🔌×1)



m205a2009

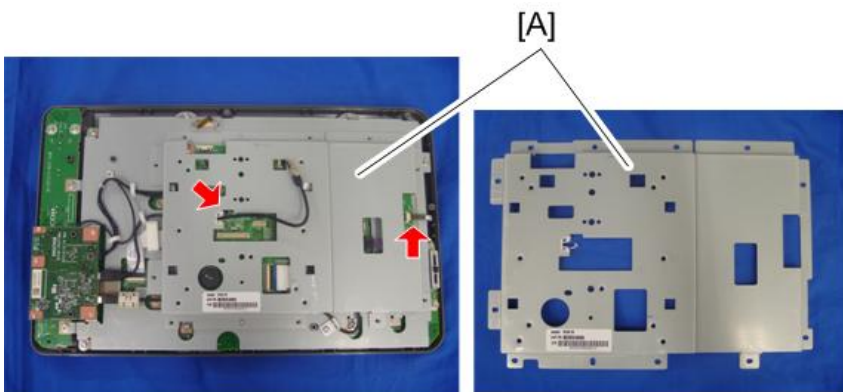
⬇️ Note

- Make sure to slide the white collar before disconnecting the connector as shown in the following pictures. Otherwise, the connector may be damaged.



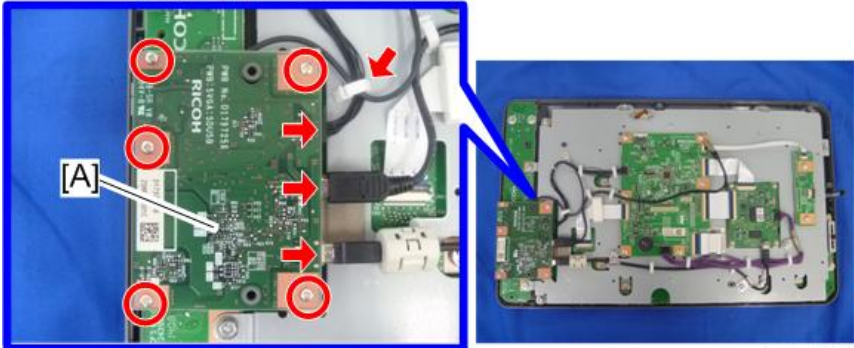
m205a2010

7. Remove the 1st shield plate [A]. (🔌×1, 🛠️×1)



m205a2011

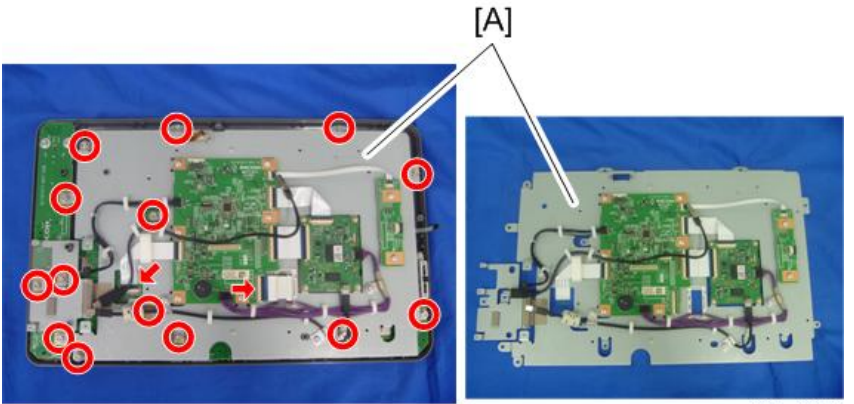
8. SD/USB [A] (🔩×5, 📦×3, 📏×1)



m205a2012

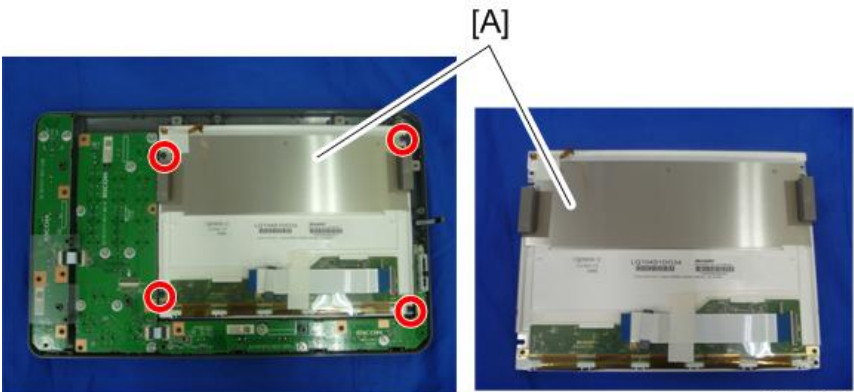
4

9. Remove the 2nd shield plate [A]. (🔩×14, 📏×2)



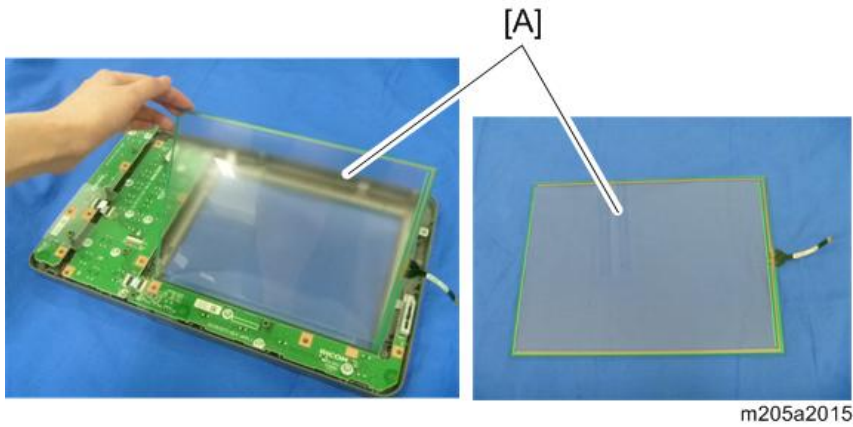
m205a2013

10. LCD [A] (🔩×4)



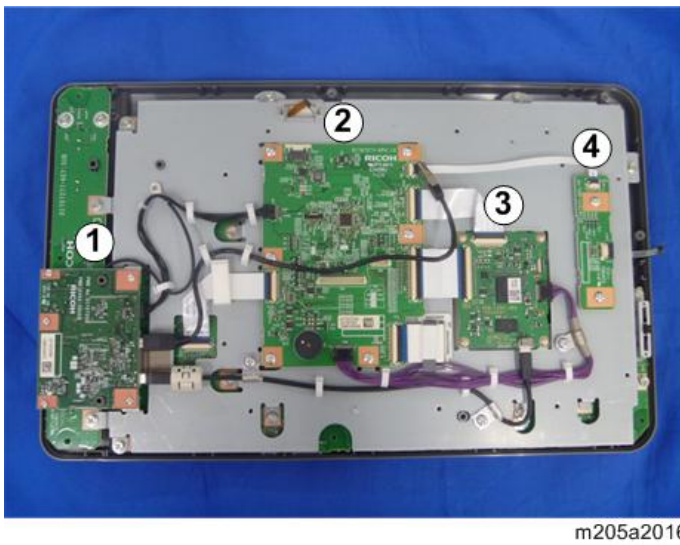
m205a2014

11. Touch panel [A]



OPU, LCDC, SD/USB

Remove the 1st shield plate. (page 703 "Touch Panel")

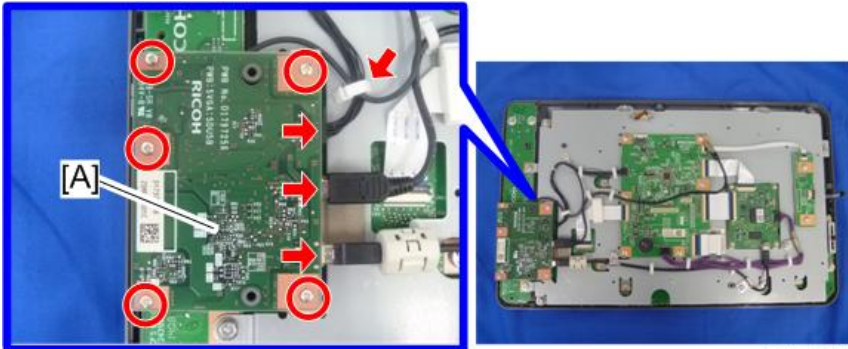


No.	Name	Description
①	SD Card/USB	This board has USB Hub. It transmits USB signals from main CPU to SD slot, USB media slot, and LCDC. The power for USB media slot is supplied from main machine via USB cable.

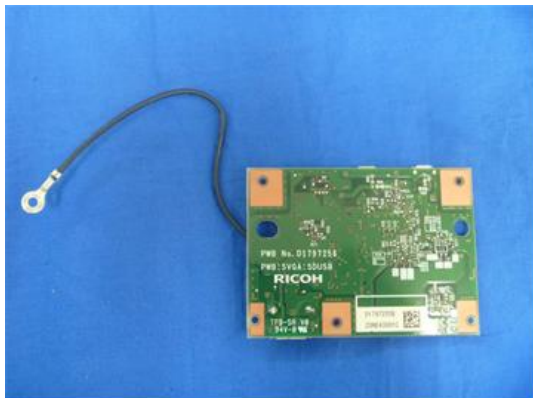
No.	Name	Description
②	OPU:IO	<p>This board receives converted signals. It also receives internal power. LED operation of operator call light is controlled by microcomputer of OPU:IO. This board controls the startup of operation panel when the main power switch is turned on.</p> <p>If the power cord is connected to power plug, the power is still supplied to OPU:IO even when main power switch is OFF.</p>
③	LCDC	<p>LCDC controls display on operation panel and detect the inputs from touch panel. LCDC receive the transferred signal from main CPU via USB of SD/USB. LCDC has its own CPU, and displays SC672 on operation panel when main CPU is stopped.</p>
④	OPU:TP	<p>Convert the signal which is transferred from touch panel to the signal which CPU of operation panel can receive, and then transfer it to CPU.</p>

SD/USB

1. SD/USB [A] (🔩×5, 📦×3, 🛠️×1)



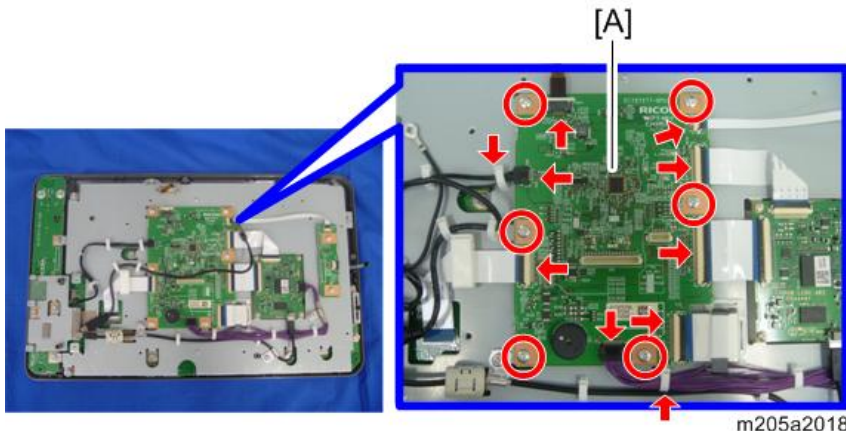
m205a2012



m205a2017

OPU: IO

1. OPU: IO [A] (🌀x6, 📦x2, 📡x2, 📄x6)



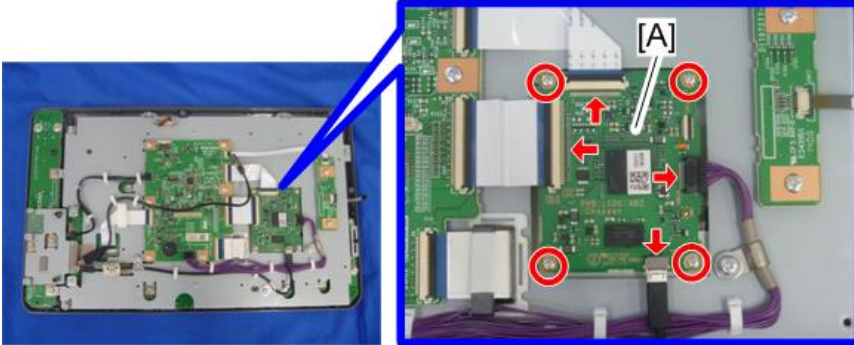
m205a2018



m205a2019

LCDC

1. LCDC [A] (⚙️ x4, 📦 x2, 📄 x2)



m205a2020



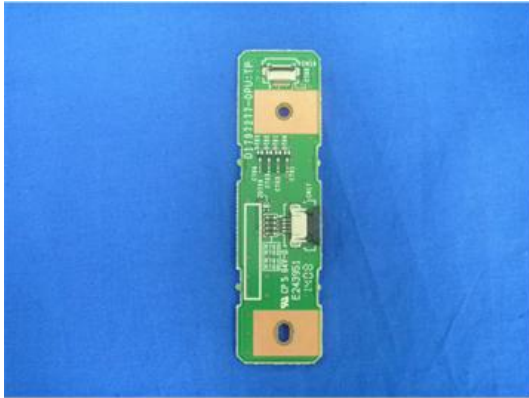
m205a2021

OPU: TP

1. OPU: TP [A] (⚙️ x2, 📄 x2)



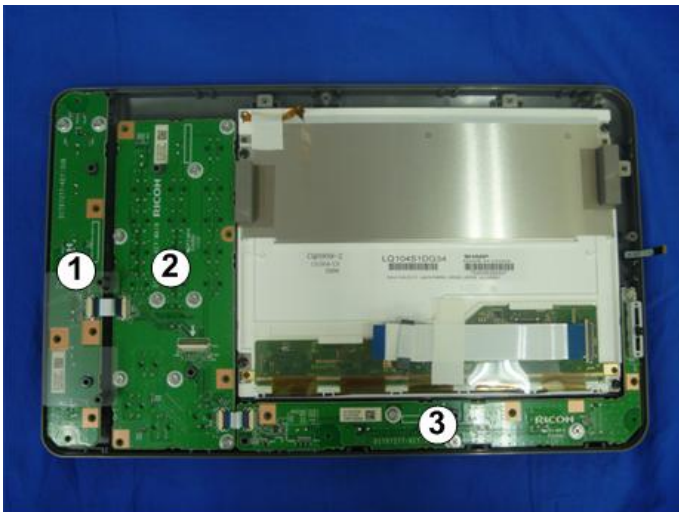
m205a2022



m205a2023

KEY:Sub, KEY:Main, KEY:Appli

Remove the 2nd shield plate. (page 703 "Touch Panel")

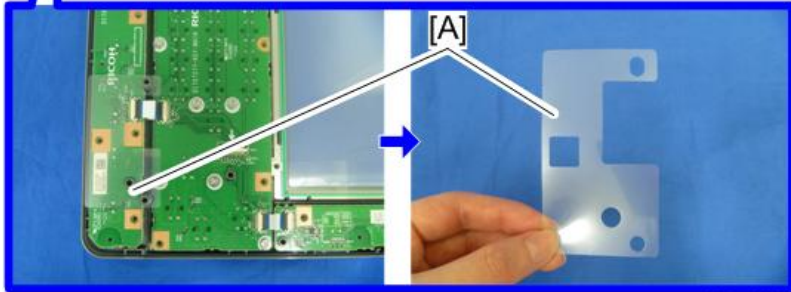


m205a2024

No.	Name	Description
①	KEY: Sub	KEY: Sub is equipped with hard key and LED.
②	KEY: Main	KEY: Main is equipped with hard key and LED.
③	KEY: Appli	KEY: Appli is equipped with hard key for application. It is also equipped with variable resistor.

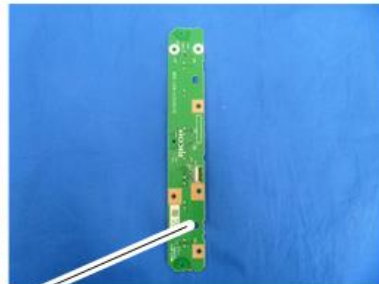
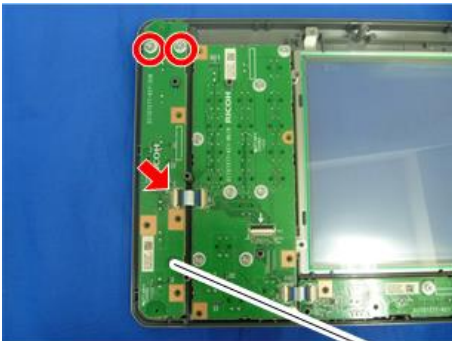
KEY: Sub

1. Bracket sheet [A]



m205a2025

2. KEY:Sub [A] (🔩 x2, 📏 x1)

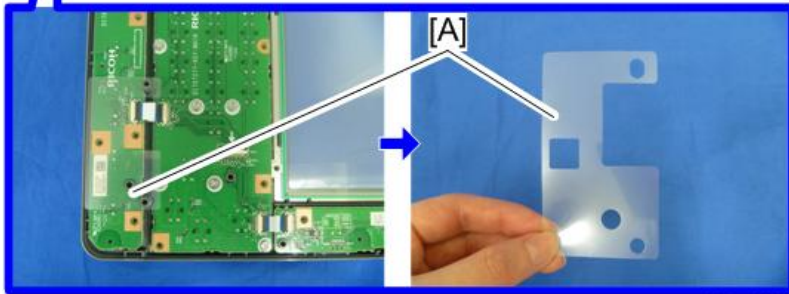


m205a2026

[A]

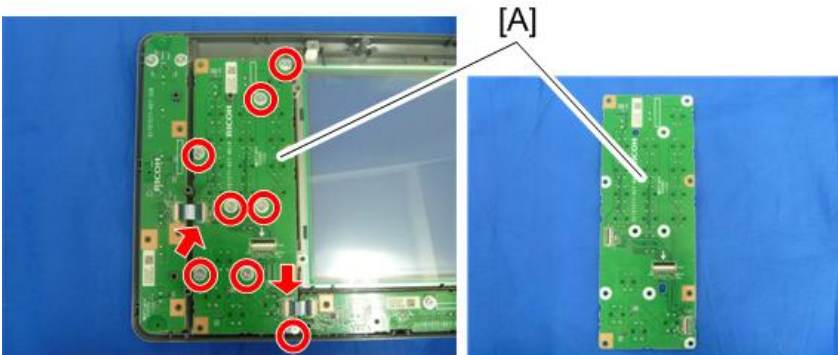
KEY: Main

1. Bracket sheet [A]



m205a2025

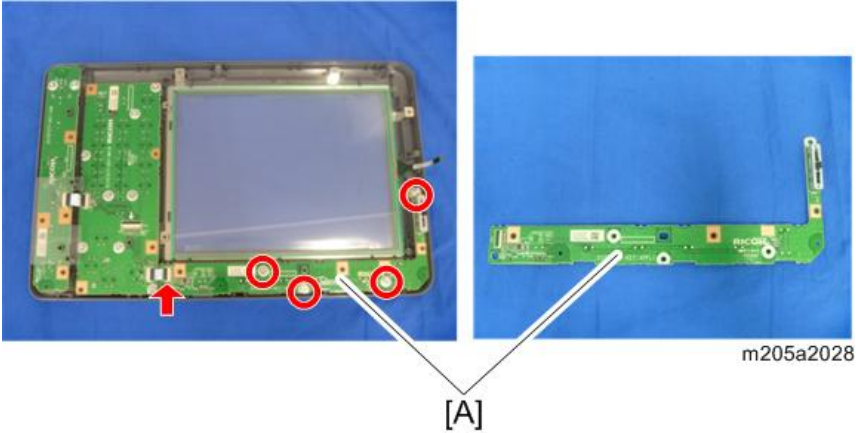
2. KEY:Main [A] (🌀 x8, 📏 x2)



m205a2027

KEY: Appli

1. KEY:Appli [A] (🔩×4, 📏×2)



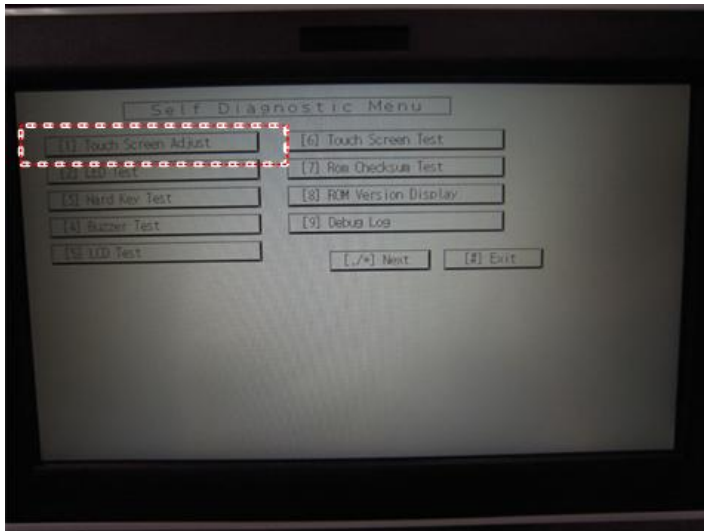
Touch Panel Position Adjustment

It is necessary to calibrate touch panel:

- After replacing the operation panel.
- After replacing the controller board.
- If the touch panel detection function is not operating correctly.

1. Press [1], [9], [9], and [3] at the ten-key pad, and then press [C] (Clear) 5 times to open the "Self Diagnostics Menu."

2. Press [[1] Touch Screen Adjust] (or press [1] on the ten-key pad).



d1824064

★ Important

- Do not use items [2] to [9] on the Self-Diagnostic Menu. These items are for design use only.

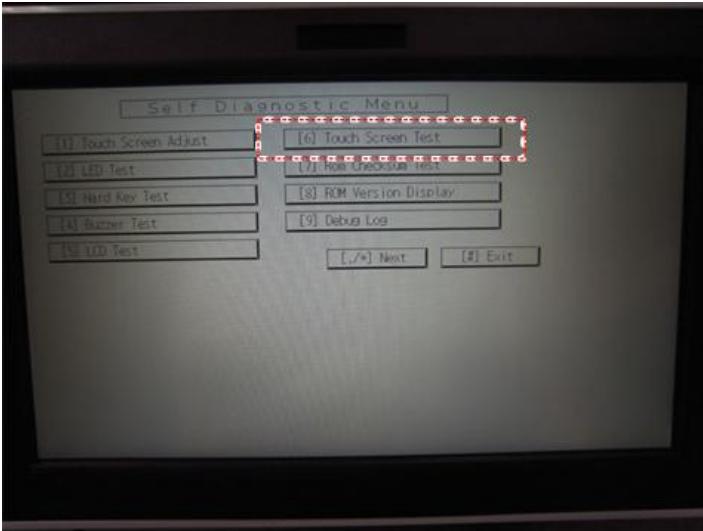
3. Use a pointed (not sharp!) tool to press the mark (+) at the upper left of the screen.
4. Press in order the lower right, lower left, middle, and upper right of the screen (+).



d1824065

5. Press [[#] OK] on the screen (or press [#] on the ten-key pad) to save.

6. Press [[6] Touch Screen Test].



d1824066

7. Press the points (upper left, lower left, upper right and lower right) and confirm that each value is within ± 5 dots.



d1824067a

8. Press [[#] Exit] on the screen (or press [#] on the ten-key pad) to close the "Self Diagnostic Menu".

Laser Unit

Before You Begin

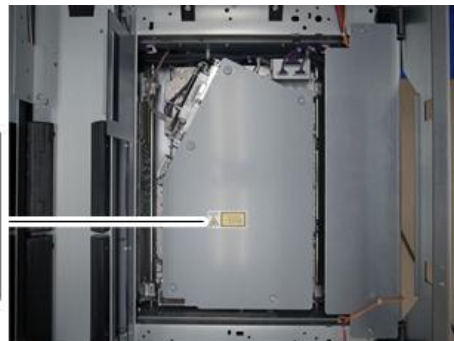
WARNING

- This laser unit employs 40 laser beams produced by a Class IIIb LD with a wavelength of 772 to 792 nm and intensity of 1.23 mW (40 beams). Direct exposure to the eyes could cause permanent blindness.
- Before adjusting or replacing the laser unit, turn the main power switch and AC power switch 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.

4

Caution Decals

Laser Unit



m205a1168

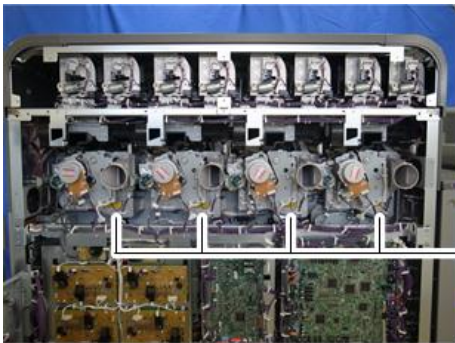
Front Side of the Imaging Section



m205a1394

4

Rear Side of the Imaging Section



m205a1395

Laser Unit

Before Replacement

1. Plug in the power cord, and then turn ON the main power switch.
2. Enter the SP mode.
3. Set SP2-153-001 (MUSIC Settings Auto Execute) to "0".
4. Execute SP2-153-031 (MUSIC Settings Clear Sub Slip).
5. Execute SP2-153-030 (MUSIC Settings Clear Main Slip).
6. Execute the following SP according to the laser unit you replace.
 - SP2-104-030 (Skew Adjustment Clear Revision Bk)
 - SP2-104-031 (Skew Adjustment Clear Revision Cy)
 - SP2-104-032 (Skew Adjustment Clear Revision Ma)
 - SP2-104-033 (Skew Adjustment Clear Revision Ye)

7. Turn off the power, and then unplug the power cord.

↓ 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 (± 50). 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.

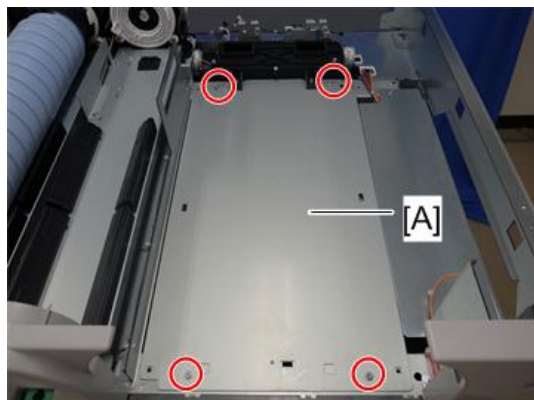
Replacement

↓ Note

- This machine is equipped with the 4 laser units (laser unit Bk/Cy/Ma/Ye). Each laser unit is mounted under a toner bank of a corresponding color. The laser unit (Bk) is taken in the photos in the following replacement procedure as an example but you can replace other laser units in the same way.

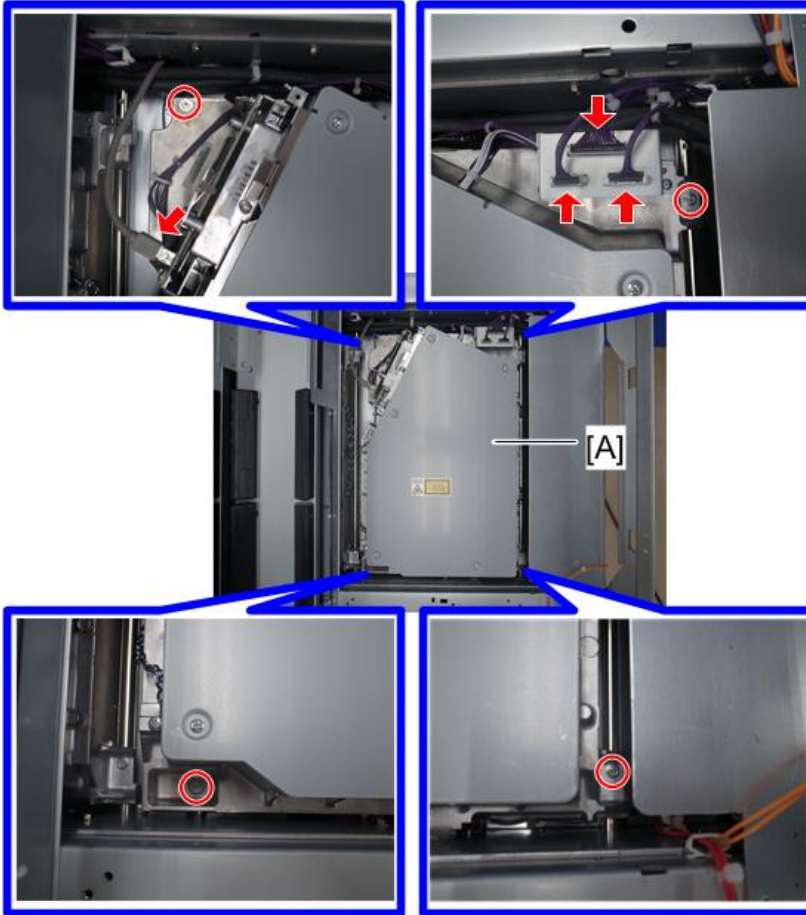
1. Toner bank [A] (page 726)

2. Laser unit shield plate [A] (🔩 ×4)



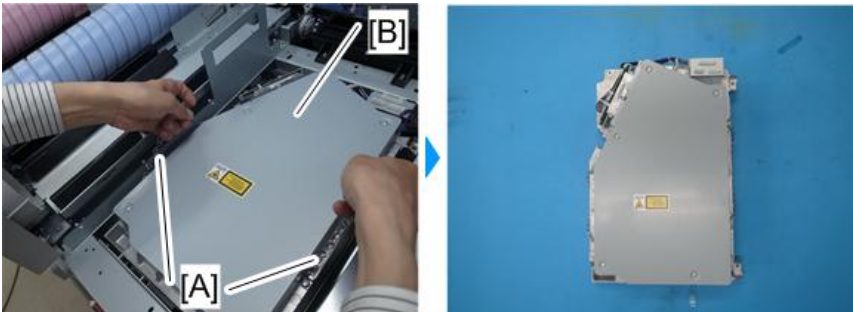
m205a1164

3. Remove the screws, connectors, and USB cable from the laser unit [A]. (Ⓜ×4, Ⓜ×3, USB cable×1)



m205a1165

4. Hold the chains [A], and then lift the laser unit [B] to remove it.



m205a1166

Adjustment after Laser Unit Replacement

1. Plug in the power cord, and then turn ON the main power switch.
2. Enter the SP mode.
3. Execute the following SP according to the laser unit you replaced.
 - SP2-108-001 (Image Parameter Bk Writing Unit)
 - SP2-108-002 (Image Parameter Cy Writing Unit)
 - SP2-108-003 (Image Parameter Ma Writing Unit)
 - SP2-108-004 (Image Parameter Ye 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.
4. Initialize the Total LD On Time: All Condition (SP2-127-001 to 004) of the replaced laser unit using SP2-126-001 (LD On Time Set Initialize (1Bk 2Cy 3Ma 4Ye)).

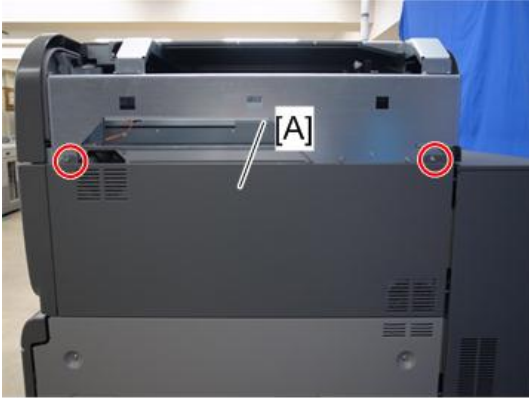
Color	SP2-126-001 setting	SP No. to be initialized
Bk	1	SP2-127-001 (Total LD On Time: All Condition Bk)
Cy	2	SP2-127-002 (Total LD On Time: All Condition Cy)
Ma	3	SP2-127-003 (Total LD On Time: All Condition Ma)
Ye	4	SP2-127-004 (Total LD On Time: All Condition Ye)

5. If you replaced the laser unit (Bk), do the following procedure.
 1. Execute SP2-154-050 (MUSIC Setting: 2 Patch Pos Adjust).
 2. Use the Trimming Area Pattern (SP2-109-003, No. 14) to print the test pattern.
 3. Adjust the skew using SP2-104-040 (Skew Adjustment Manual).
6. Correct the color registration with the User Tools.

[User Tools/Counter/Inquiry]-[Management]-[Color Registration]-[OK]

Laser Unit Cooling Fan

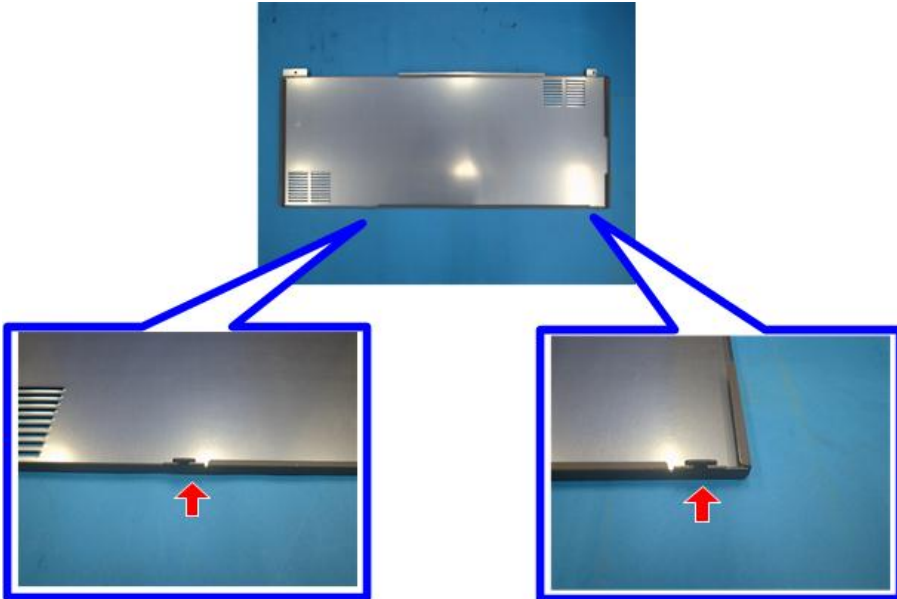
1. Toner supply right upper cover (page 690)
2. Toner supply right lower cover [A] (🔑 x2)



m205a1171

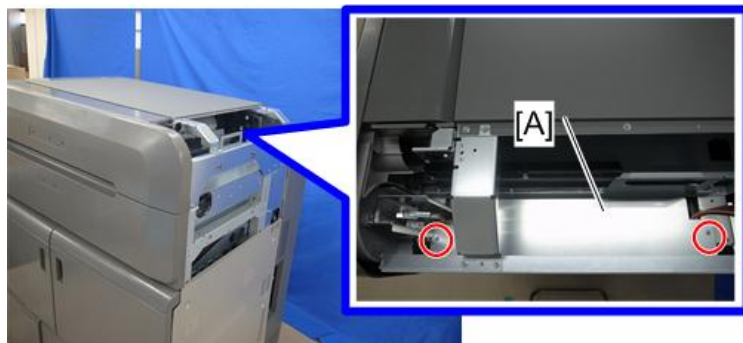
↓ **Note**

- Check the position of the hooks in the photo below before removing.



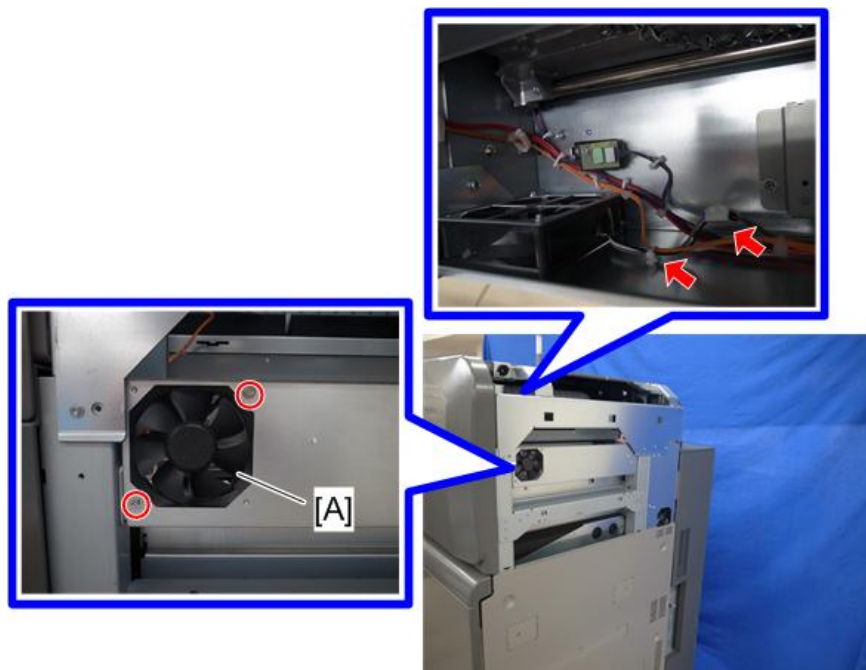
m205a1172

3. Plate [A] (🔩 ×2)



m205a1309

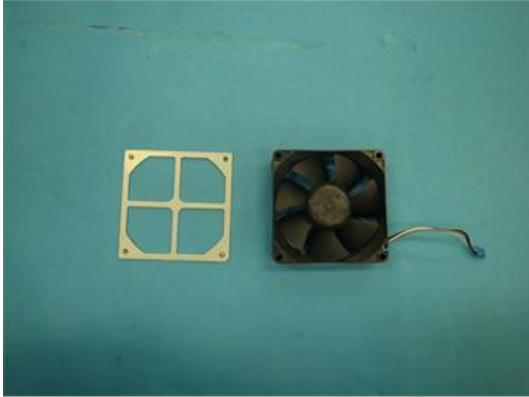
4. Laser unit cooling fan [A] (🔩 ×2, 📦 ×1, 🛠️ ×1)



m205a1310

⚠️ Note

- When you remove the screws, the plate on the back side of the fan is removed. Make sure to reattach the plate when you re-install the fan.



m205a1311

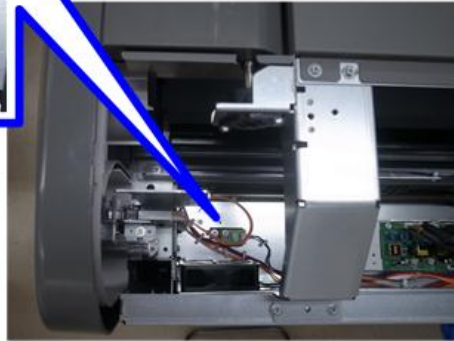
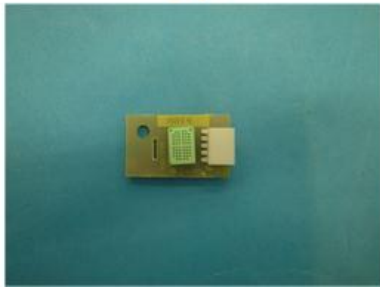
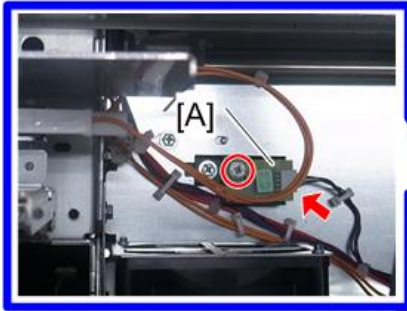
Temperature/Humidity Sensor (Main)

1. Toner supply right upper cover (page 690)
2. Plate [A] (🔩 x2)



m205a1312

3. Temperature/humidity sensor (main) [A] (🔩×1, 📦×1)



m205a1313

Toner Supply Unit

Toner Supply Unit Layout

The following picture shows the toner supply unit layout. Two toner bottles can be installed for each color (K/C/M/Y). To make a distinction between left and right bottles of the same color, the bottle on the left side is named "1" and the bottle on the right side is named "2".

Characters at the end of part names indicate the part's position, and the same type of parts can be replaced in the same way if not otherwise noted.

4



m205a1147

Toner Bank (K/C/M/Y)

1. Turn the machine ON.

Do the following procedure to turn the machine ON.

1. Plug the power cord of the imaging section and power cord of fusing section into its power source.
2. Turn the AC power switch ON.
3. Turn the main power switch ON.

2. Remove the toner bottles.

If there are any bottles which do not come out by pressing the green lever, set the following SP to "0".



m205a2898

4

Toner bottle which do not come out	SP No.	SP Name
Y1	SP3-162-004	Bottle Open/Close: Open/Close: Y1: Left Bottle
Y2	SP3-162-008	Bottle Open/Close: Open/Close: Y2: Right Bottle
M1	SP3-162-003	Bottle Open/Close: Open/Close: M1: Left Bottle
M2	SP3-162-007	Bottle Open/Close: Open/Close: M2: Right Bottle
C1	SP3-162-002	Bottle Open/Close: Open/Close: C1: Left Bottle
C2	SP3-162-006	Bottle Open/Close: Open/Close: C2: Right Bottle
K1	SP3-162-001	Bottle Open/Close: Open/Close: K1: Left Bottle
K2	SP3-162-005	Bottle Open/Close: Open/Close: K2: Right Bottle

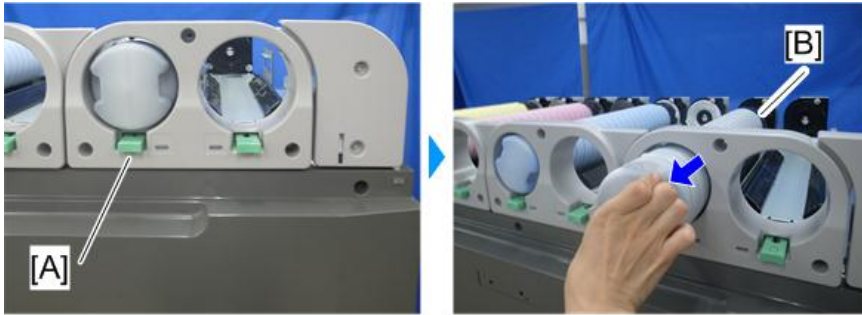
3. Turn the machine OFF.

Do the following procedure to turn the machine OFF.

1. Turn the main power switch OFF.
2. Turn the AC power switch OFF.
3. Unplug the power cord of the imaging section and power cord of fusing section from its power source.

4. Toner supply unit cover (page 682)

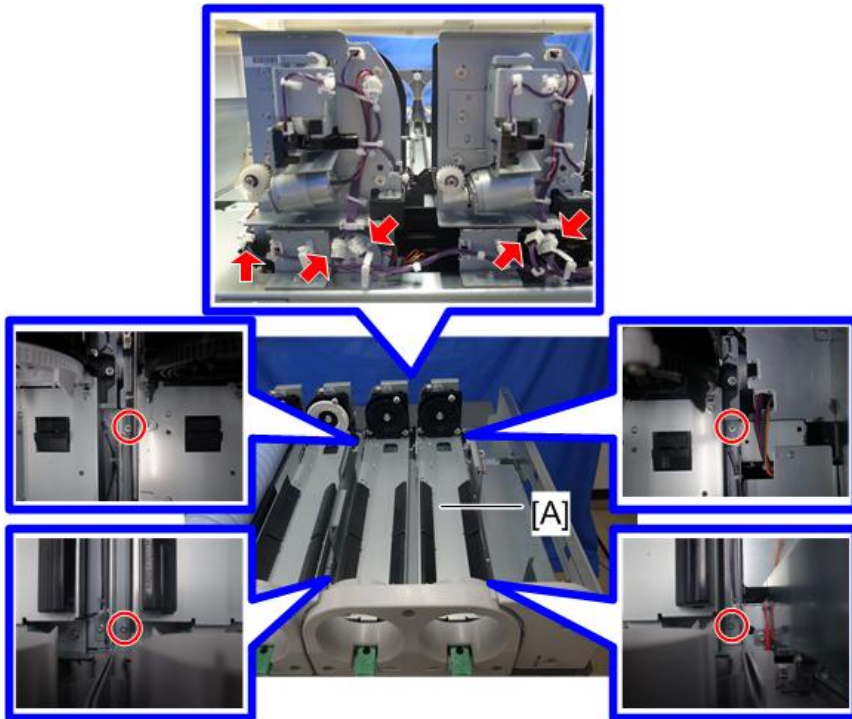
5. Push the lever [A], and then pull out the toner bottle [B] to remove it.



m205a1167

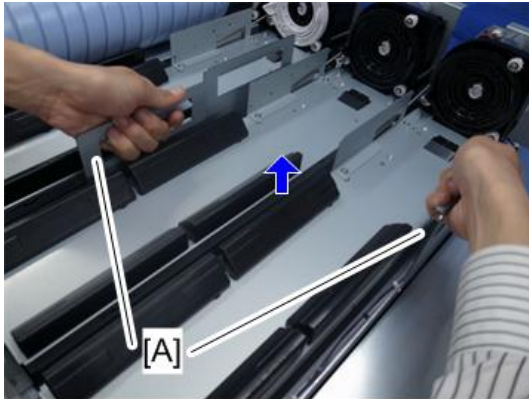
4

6. Remove the screws and connectors from the toner bank [A]. (🔩 x4, 📦 x5)



m205a1163

7. Hold the handles [A], and the lift the toner bank to remove it.



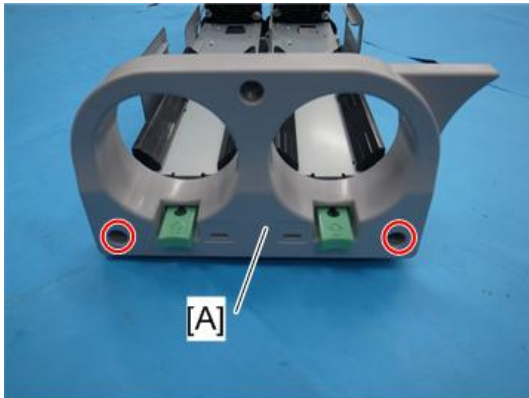
m205a1170

4

Toner Bottle Motor (K1/K2/C1/C2/M1/M2/Y1/Y2)

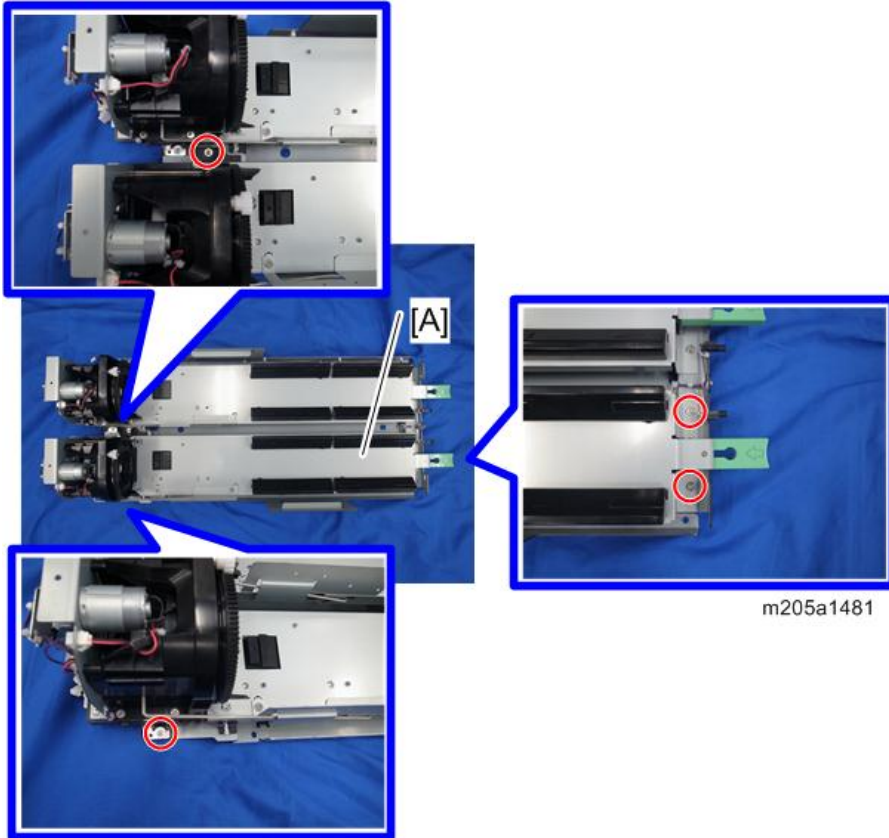
Toner Bottle Motor (K1/C1/M1/Y1)

1. Toner bank (page 726)
2. Toner supply unit inner cover [A] (🔑 ×2)

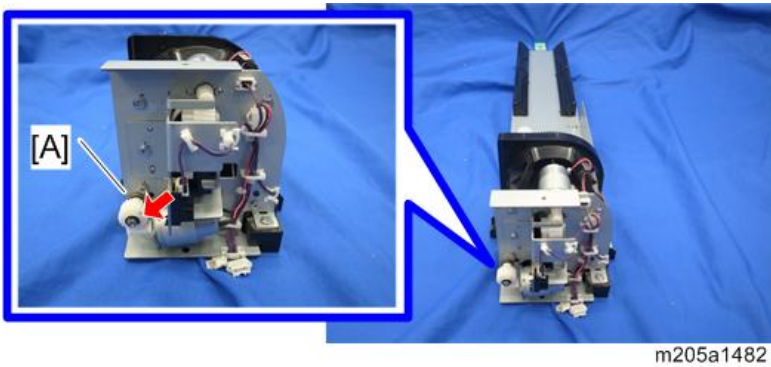


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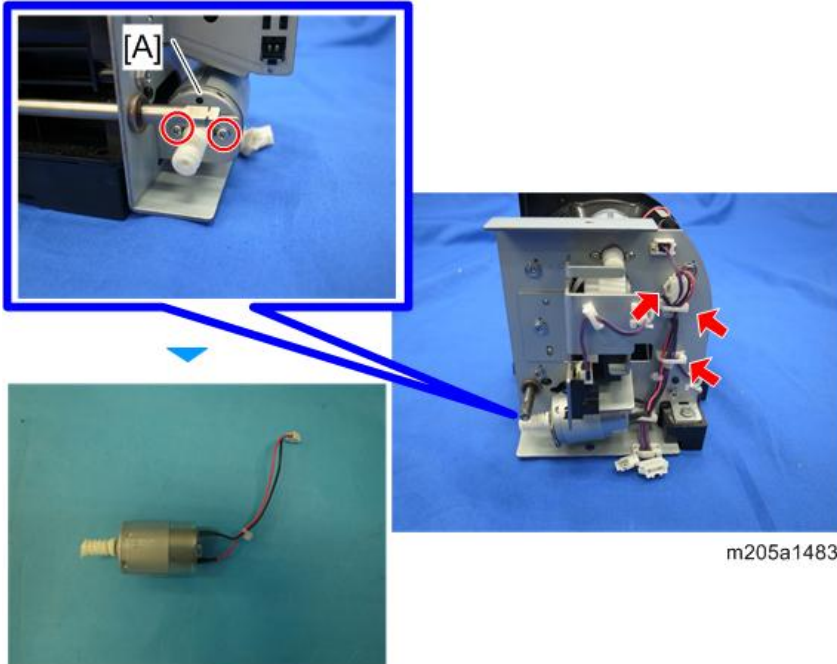
3. Toner bottle case [A] (⊗×4)



4. Gear [A] (⊗×1)



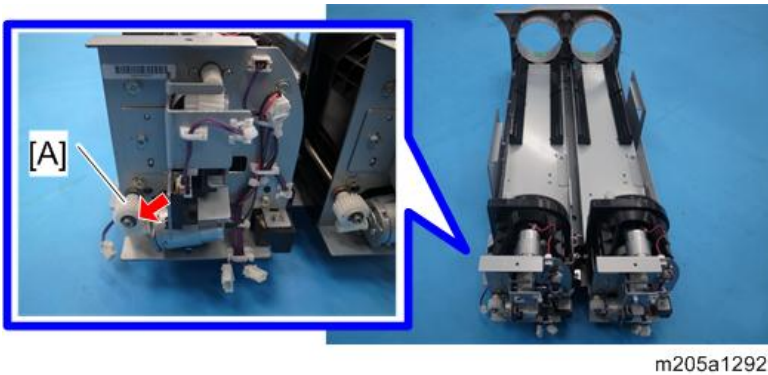
5. Toner bottle motor [A] (⚙️ x2, 📦 x1, 🛠️ x2)



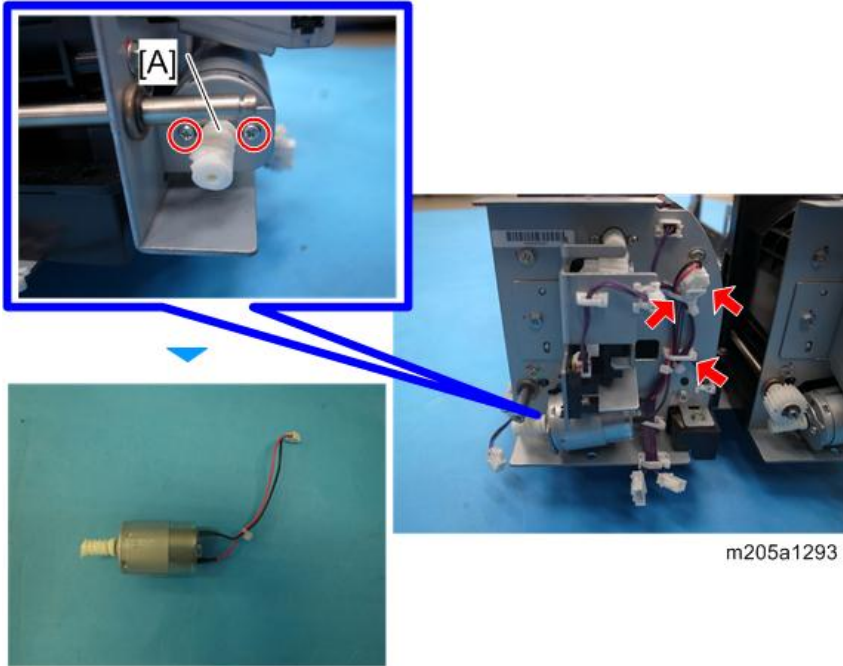
4

Toner Bottle Motor (K2/C2/M2/Y2)

1. Toner bank (page 726)
2. Gear [A] (⚙️ x1)



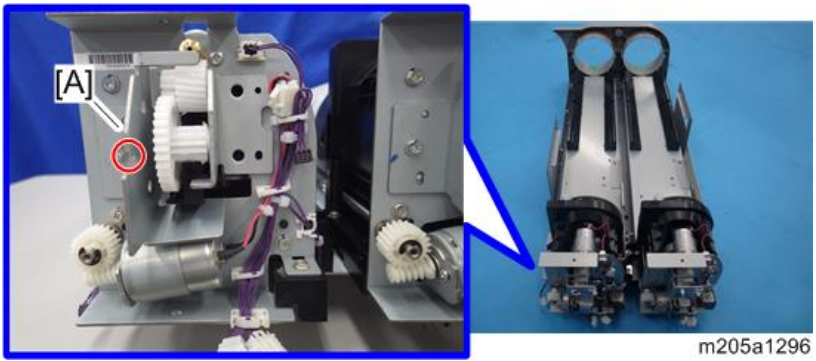
3. Toner bottle motor [A] (⚙️ x2, 📦 x1, 🛠️ x2)



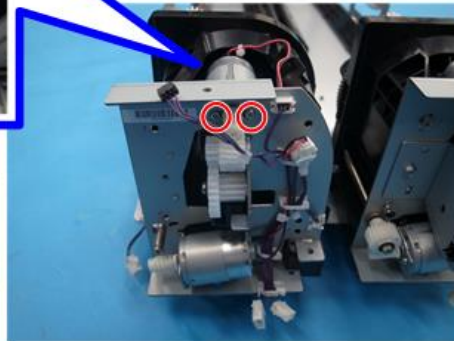
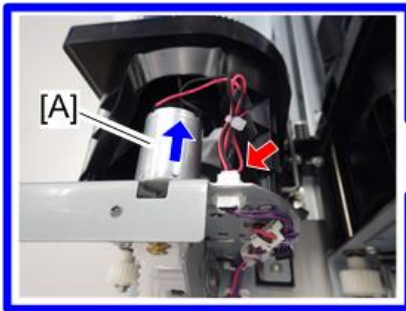
4

Toner Bottle Open Motor (K1/K2/C1/C2/M1/M2/Y1/Y2)

- 1. Toner bank (page 726)
- 2. Sensor bracket [A] (⚙️ x1)



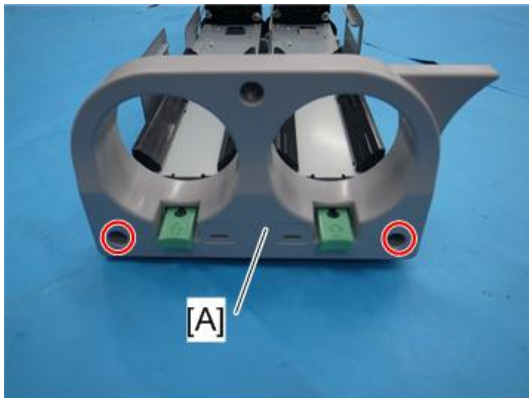
3. Toner bottle open motor [A] (⚙️ x2, 📦 x1)



m205a1298

Toner Bottle Detect Sensor (K1/K2/C1/C2/M1/M2/Y1/Y2)

1. Toner bank (page 726)
2. Toner supply unit inner cover [A] (⚙️ x2)



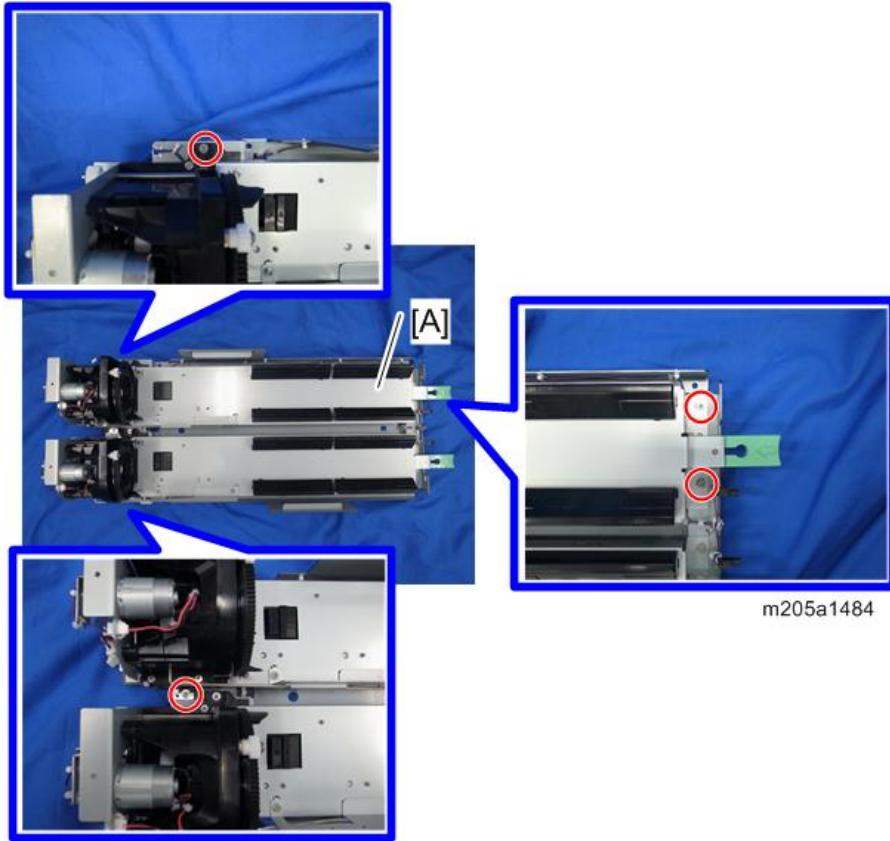
m205a1303

3. Toner bottle case [A] (⚙️ x4)

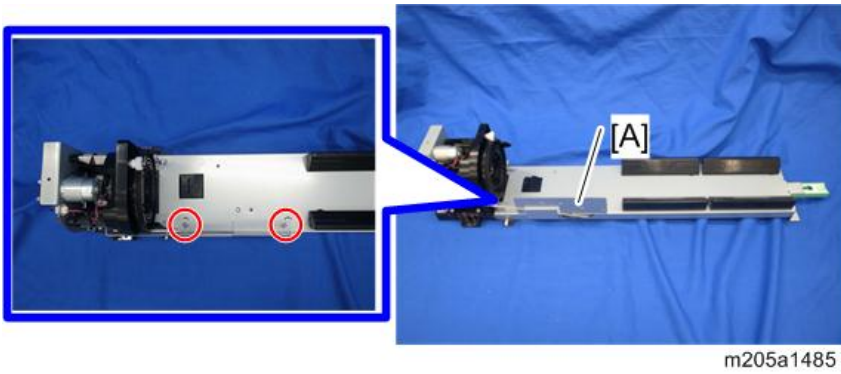
- Toner bottle detect sensor (K1/C1/M1/Y1)



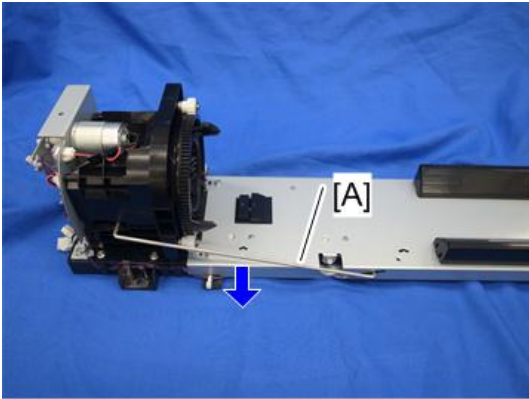
- Toner bottle detect sensor (K2/C2/M2/Y2)



4. Bracket [A] (🔩×2)



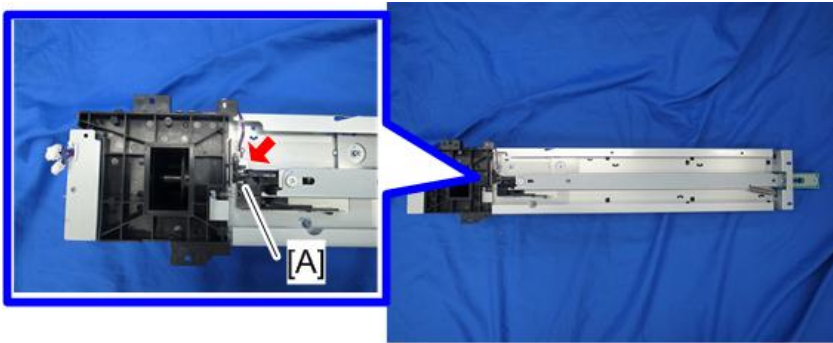
5. Arm [A]



m205a1486

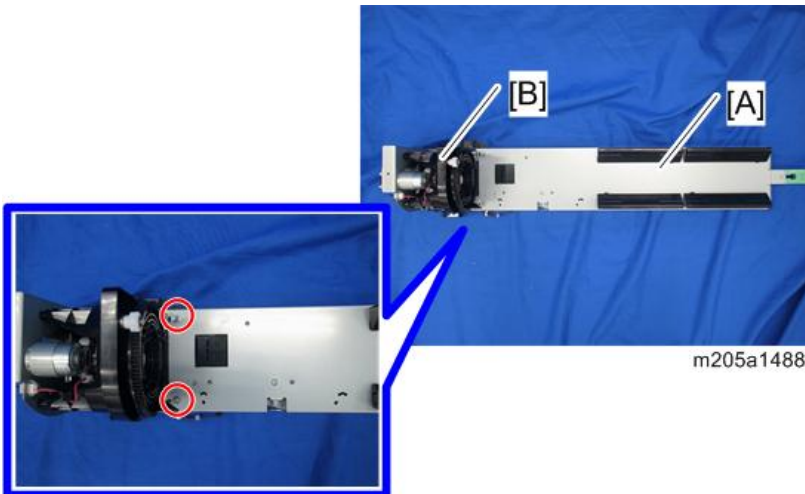
4

6. Turn over the toner bottle case, and then disconnect the connector on the toner bottle detect sensor [A]. (🔧 x1)



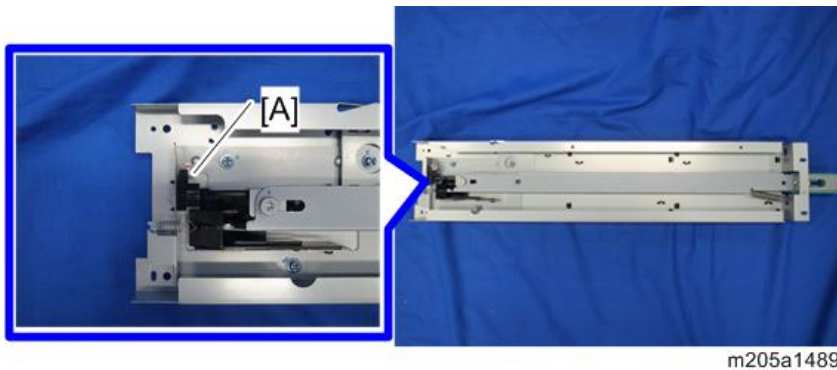
m205a1487

7. Remove the toner bottle drive gear [B] from the toner bottle case [A]. (🔧 x2)



m205a1488

8. Turn over the toner bottle case, and then remove the toner bottle detect sensor [A].



Sub Hopper (K/C/M/Y)

Before Removing the Sub Hopper

Remove the following toner bottles before removing the sub hopper. When you remove the sub hopper (C/M/Y), you need to remove the toner bottles of the corresponding color, and also bottles of the next color to the right. The following list shows which bottles to remove.

- Sub hopper (K): Toner bottle (K1/K2)
- Sub hopper (C): Toner bottle (K1/K2/C1/C2)
- Sub hopper (M): Toner bottle (C1/C2/M1/M2)
- Sub hopper (Y): Toner bottle (M1/M2/Y1/Y2)

1. Turn the machine ON.

Do the following procedure to turn the machine ON.

1. Plug the power cord of the imaging section and power cord of fusing section into its power source.
2. Turn the AC power switch ON.
3. Turn the main power switch ON.

2. Remove the toner bottles.

If there are any bottles which do not come out by pressing the green lever, set the following SP to "0".



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4

Toner bottle which do not come out	SP No.	SP Name
Y1	SP3-162-004	Bottle Open/Close: Open/Close: Y1: Left Bottle
Y2	SP3-162-008	Bottle Open/Close: Open/Close: Y2: Right Bottle
M1	SP3-162-003	Bottle Open/Close: Open/Close: M1: Left Bottle
M2	SP3-162-007	Bottle Open/Close: Open/Close: M2: Right Bottle
C1	SP3-162-002	Bottle Open/Close: Open/Close: C1: Left Bottle
C2	SP3-162-006	Bottle Open/Close: Open/Close: C2: Right Bottle
K1	SP3-162-001	Bottle Open/Close: Open/Close: K1: Left Bottle
K2	SP3-162-005	Bottle Open/Close: Open/Close: K2: Right Bottle

3. Turn the machine OFF.

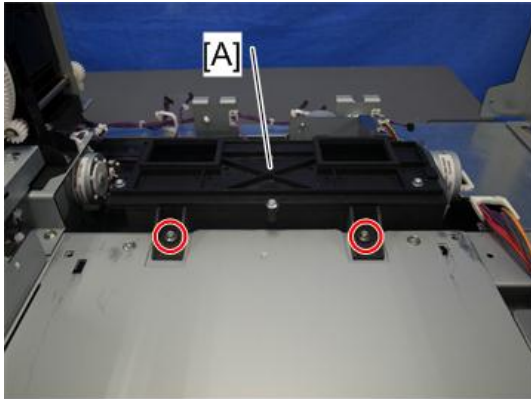
Do the following procedure to turn the machine OFF.

1. Turn the main power switch OFF.
2. Turn the AC power switch OFF.
3. Unplug the power cord of the imaging section and power cord of fusing section from its power source.

Sub Hopper (K)

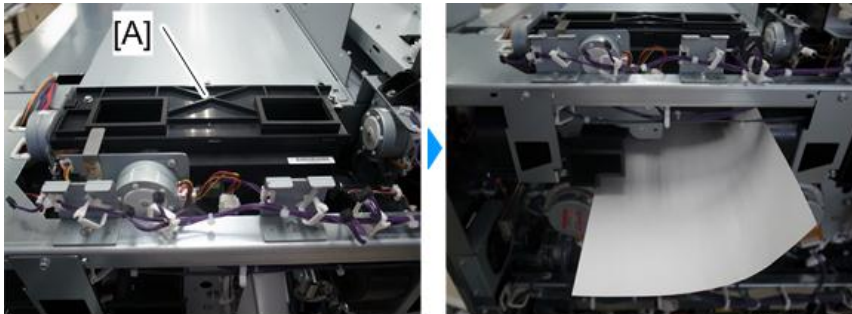
1. Toner bank (K) (page 726)

2. Remove the screws on the sub hopper [A]. (Ⓢ ×2)



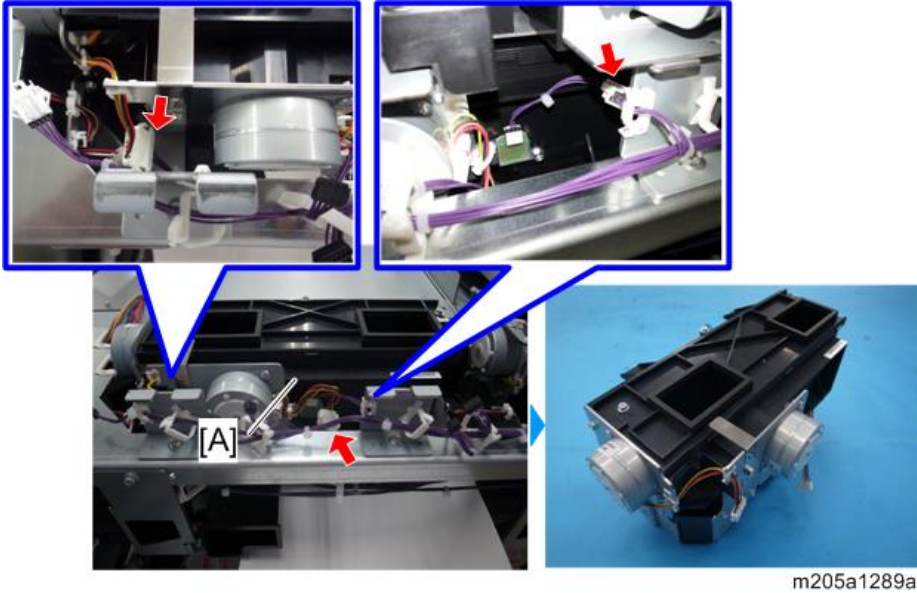
m205a1287

3. Open the rear box. (page 691)
4. Lift the sub hopper [A] slightly, and then put paper under it to prevent toner spill.



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5. Remove the sub hopper [A] while taking care not to drop the paper. (📦 ×3)



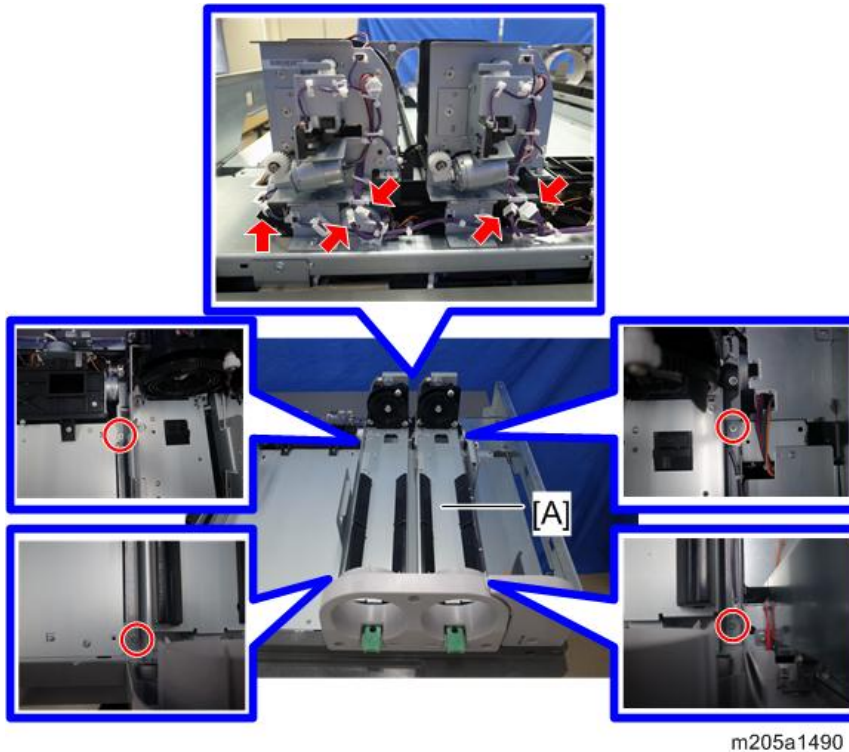
Sub Hopper (C/M/Y)

1. Remove the toner bank of the corresponding color. (page 726)
2. Remove the screws and disconnect the connectors on the toner bank of the next color to the right. (🔧 ×4, 📦 ×5)

When you remove the sub hopper (C/M/Y), the following toner bank needs to be moved to a temporary position.

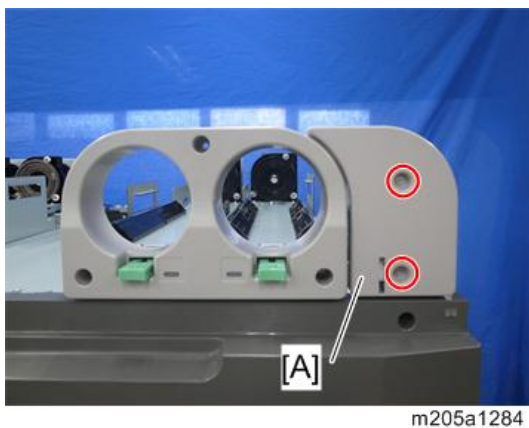
Sub hopper to be removed	Toner bank to be moved to a temporary position
Sub hopper (C)	Toner bank (K)
Sub hopper (M)	Toner bank (C)
Sub hopper (Y)	Toner bank (M)

e.g.: Toner bank (K): [A]

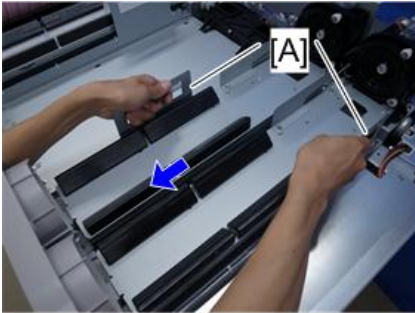


3. When you move the toner bank (K) to a temporary position in preparation for removing sub hopper (C), remove the cover [A]. (⊙ ×2)

When you remove sub hopper (M/Y), skip this step.



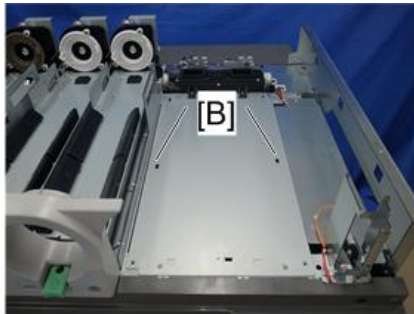
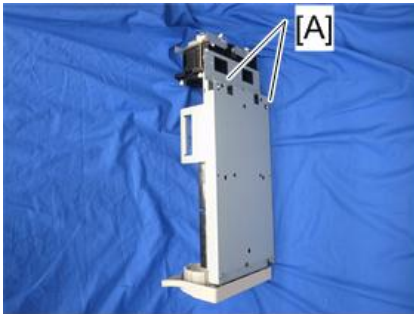
4. Hold the handles [A], and then slide the toner bank to a temporary position.
e.g.: To remove sub hopper (C), toner bank (K) is moved to a temporary position.



m205a1285

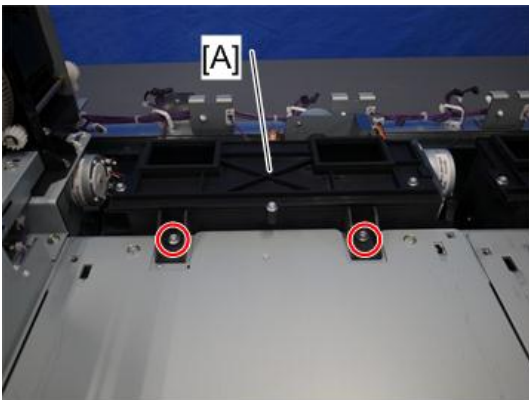
Note

- Make sure that the hooks [A] on the bottom of the toner bank are hooked into positioning holes [B] and the toner bank is fixed in a stable condition.



m205a1286

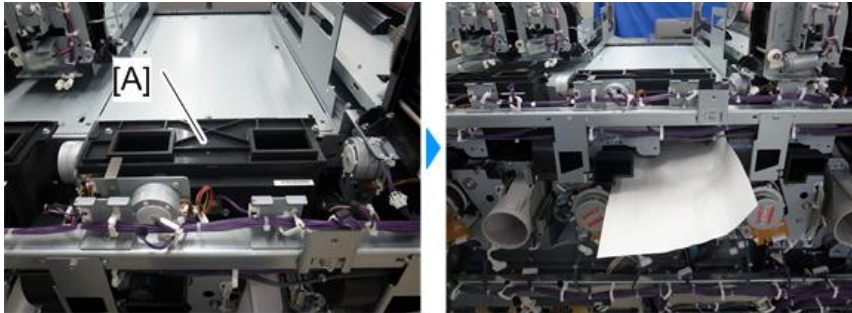
5. Remove the screws on the sub hopper [A]. (⌀ × 2)



m205a1491

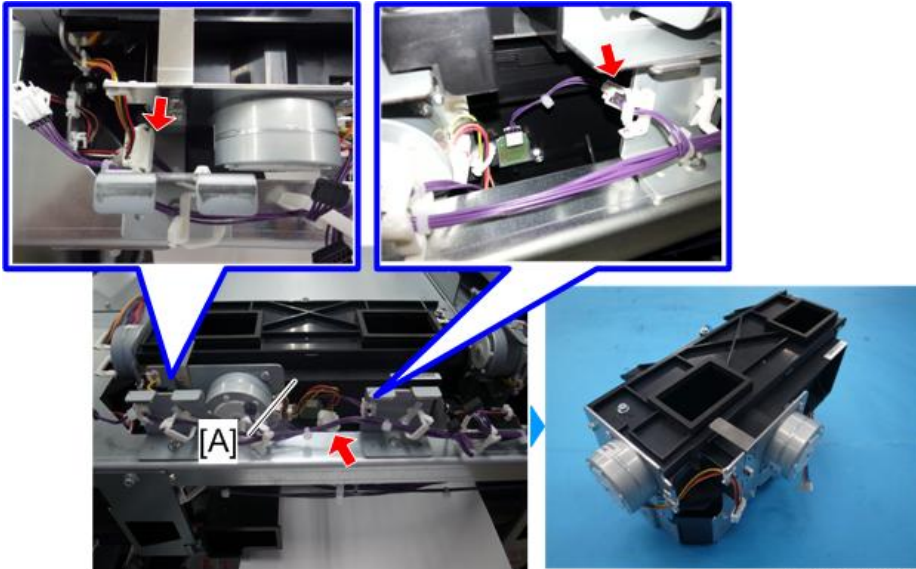
6. Open the rear box. (page 691)

7. Lift the sub hopper [A] slightly, and then put paper under it to prevent toner spill.



m205a1492

8. Remove the sub hopper [A] while taking care not to drop the paper. (📦 ×3)

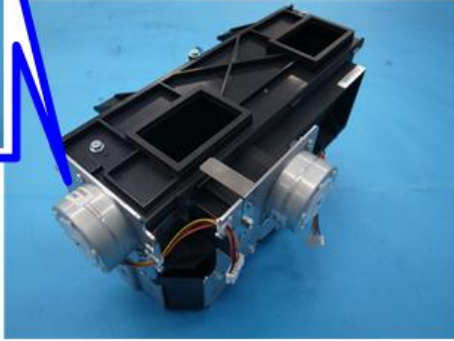
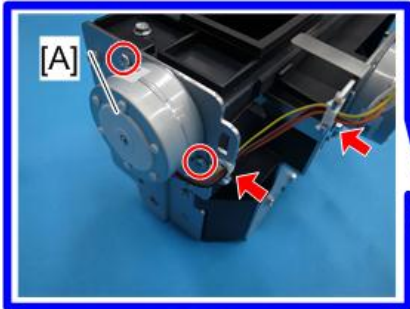


m205a1289a

Toner Agitator Motor (K/C/M/Y)

1. Sub hopper (page 737)

2. Toner agitator motor [A] (⚙️×2, 🛠️×2)



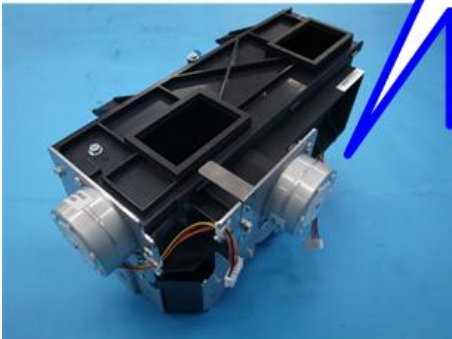
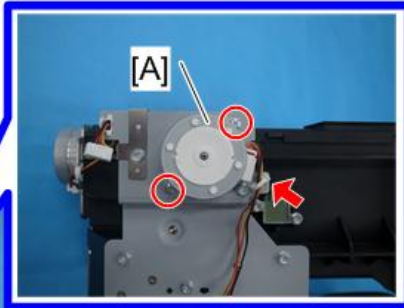
m205a1290



4

Toner Supply Motor (K/C/M/Y)

- 1. Sub hopper (page 737)
- 2. Toner supply motor [A] (⚙️×2, 🛠️×1)

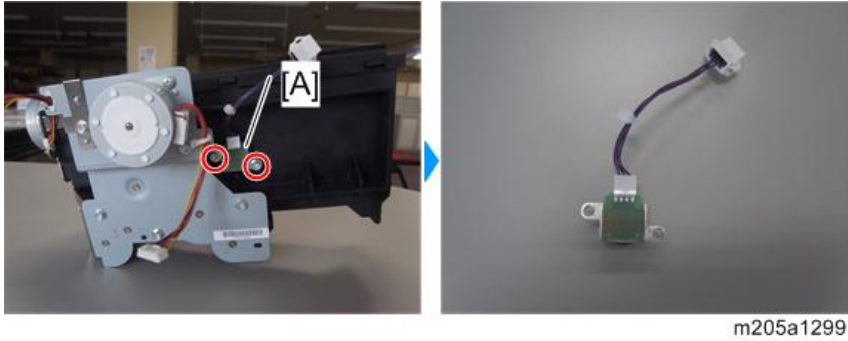


m205a1291



Toner End Sensor (K/C/M/Y)

1. Sub hopper (page 737)
2. Toner end sensor [A] (🔩 ×2)



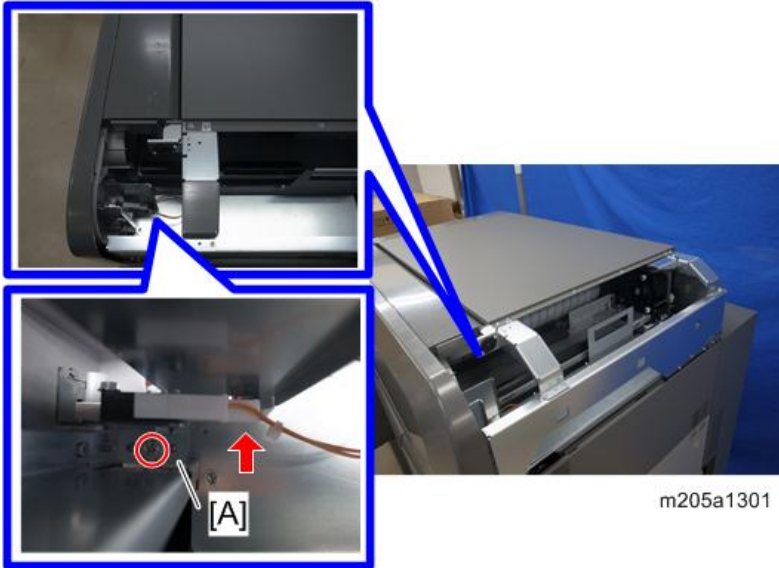
3. Remove the harness from the toner end sensor [A]. (📦 ×1)



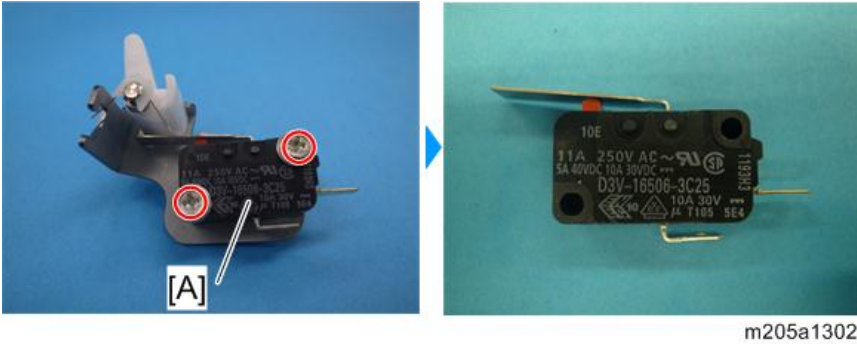
Toner Hopper Cover Open Switch

1. Toner supply right upper cover (page 690)

2. Switch bracket [A] (🔩×1, ⚙️×1)



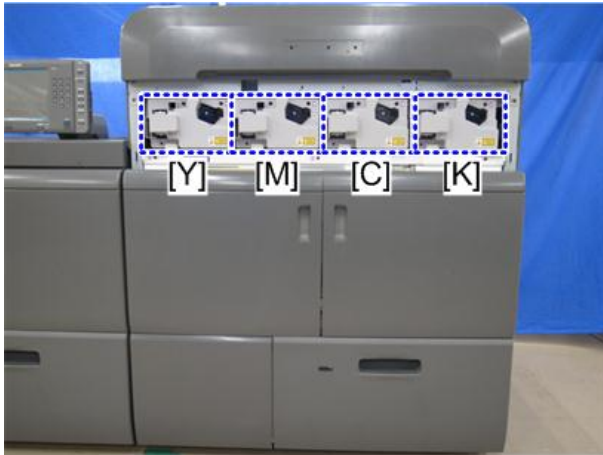
3. Toner hopper cover open switch [A] (🔩×2)



Around the Drum

PCDU Layout

This machine has four PCDUs (K/C/M/Y) as shown below. Each PCDU has the same kind of parts and you can replace them in the same way if not otherwise noted.

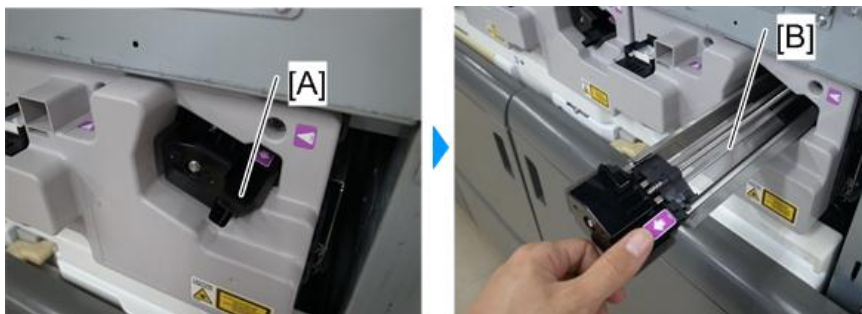


m205a1148

4

Charge Unit Removal

1. Upper front cover (page 677)
2. Push the lever [A], and then pull out the charge unit [B] to remove it.



m205a1190

Note

- After removing the charge unit, place it on a clean, flat surface with the grid facing up.

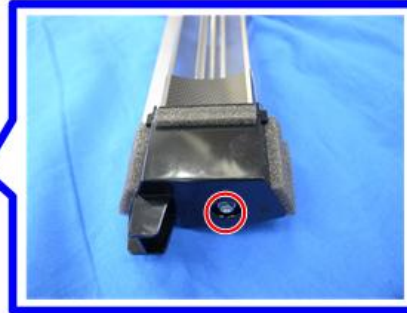
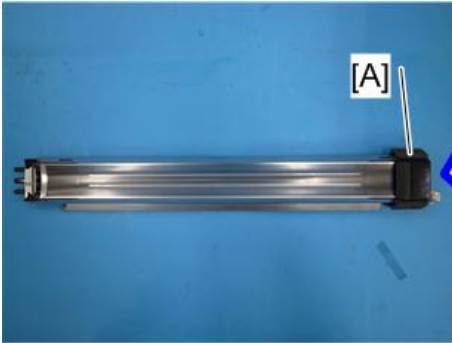


m205a1191

4

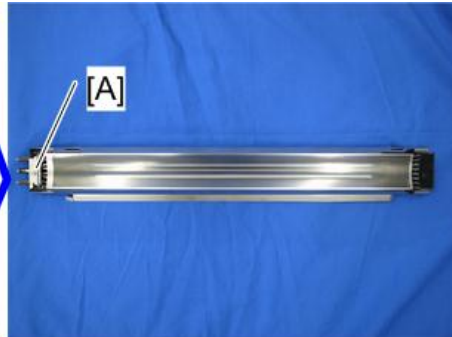
Charge Unit Internal Components

1. Charge unit (page 747)
2. Front cover [A] (⊕×1)



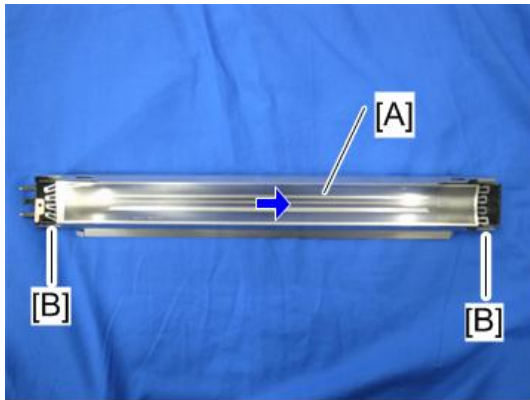
m205a1192

3. Grid fixing plate [A] (⊕×1)



m205a1193

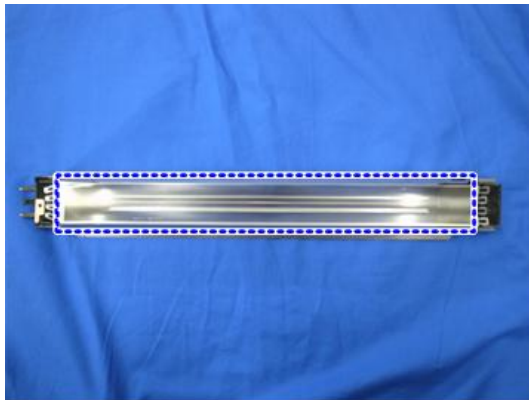
4. Hold the right and left end [B] of the grid [A], and the remove it by sliding it to the right.



m205a1194

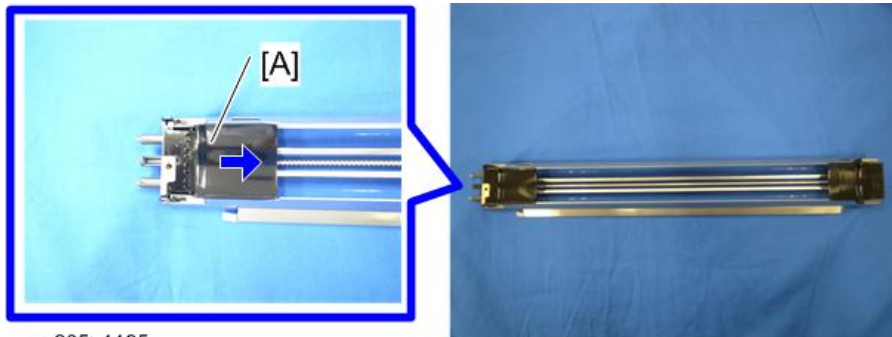
Note

- Do not touch the following part.



m205a1477

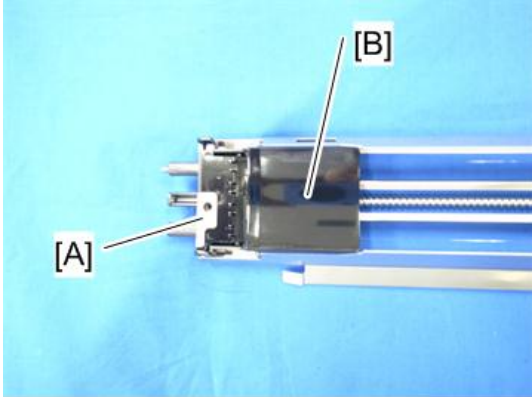
5. Remove the cover [A] by sliding it to the right.



m205a1195

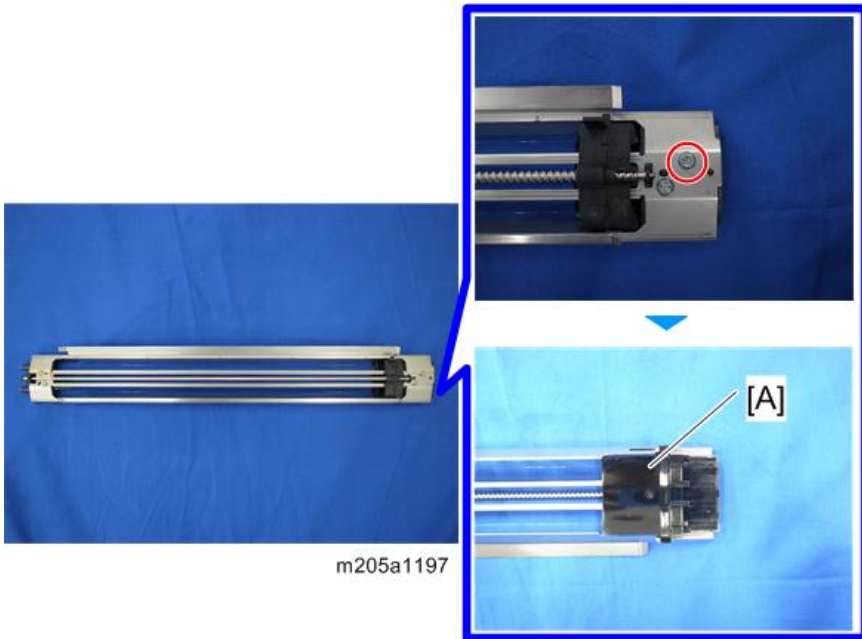
Note

- When you re-attach the cover [B], make sure it is slipped under the ground plate [A].



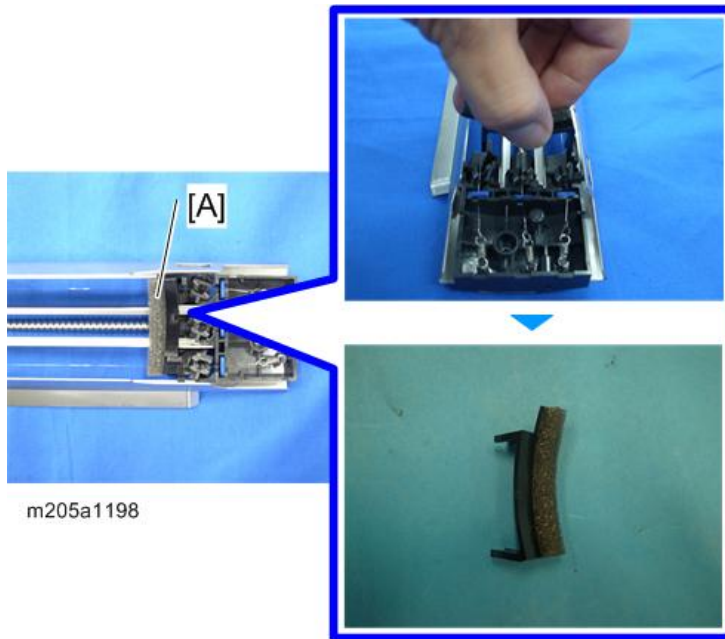
m205a1196

6. Remove the screw on the bottom side of the charge unit, and then remove the cover [A].
(🔩 × 1)



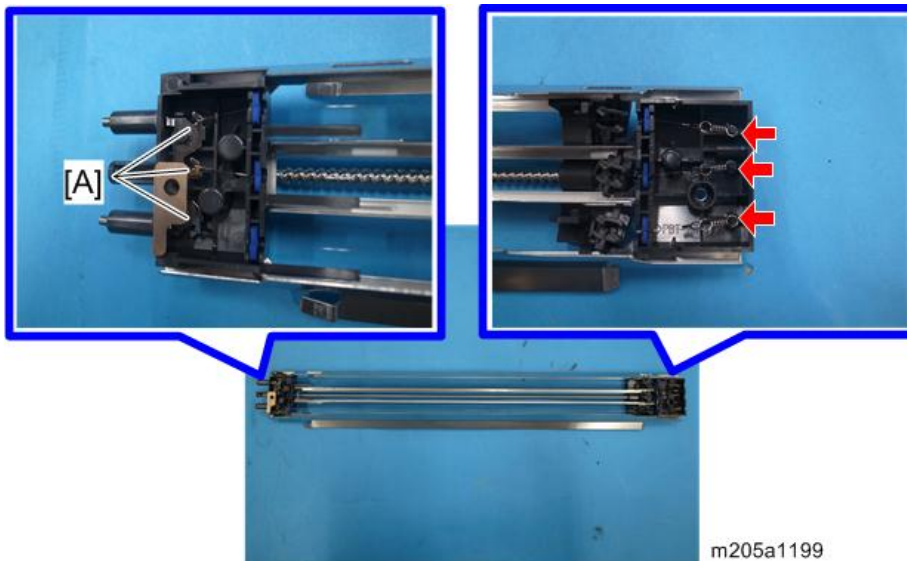
m205a1197

7. Grid cleaner [A]



4

8. Remove three wire tension springs from the projections, and then remove three corona wires from the posts [A]. ( x3)

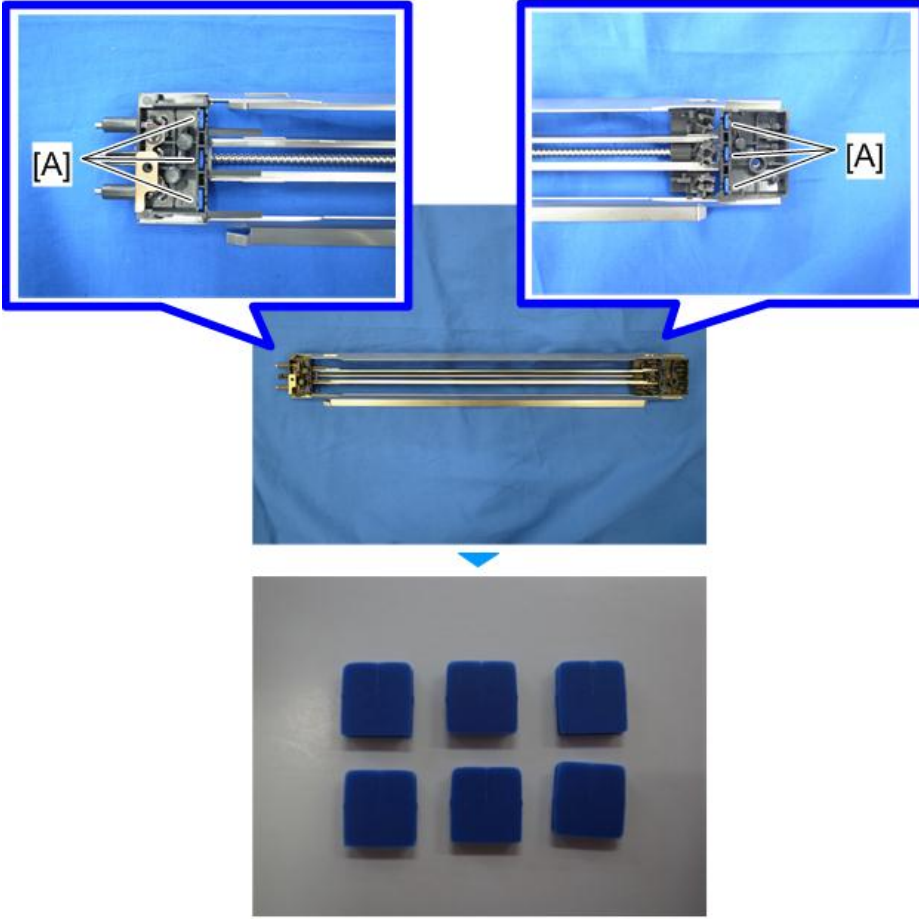


 **Note**

- Be sure to handle the corona wires with care because they are very brittle and break easily.
- Do not touch the corona wires with bare hands.

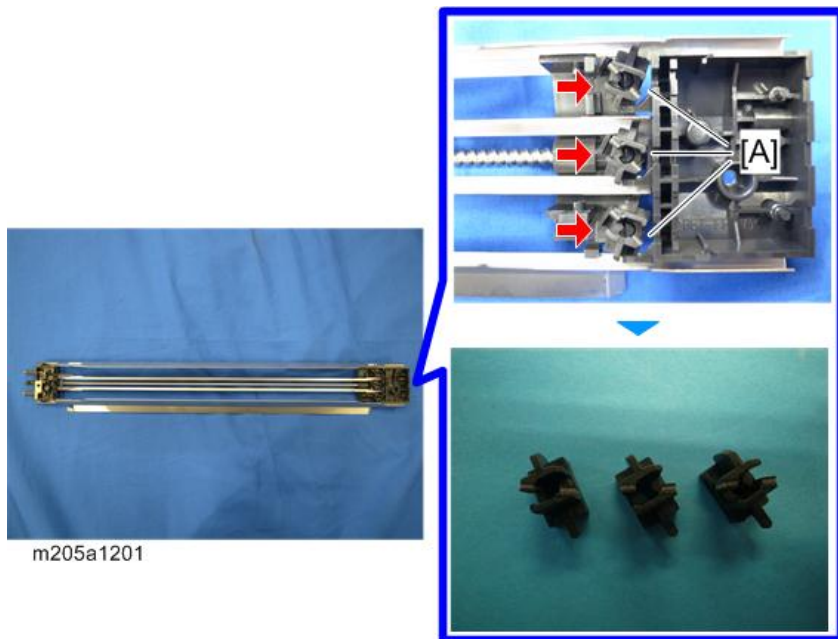
- When you re-attach the corona wires, make sure they are inserted in the slits in the wire cushions.

9. Remove six wire cushions [A].



m205a1200

10. Remove three wire cleaners [A]. (⑧×3)



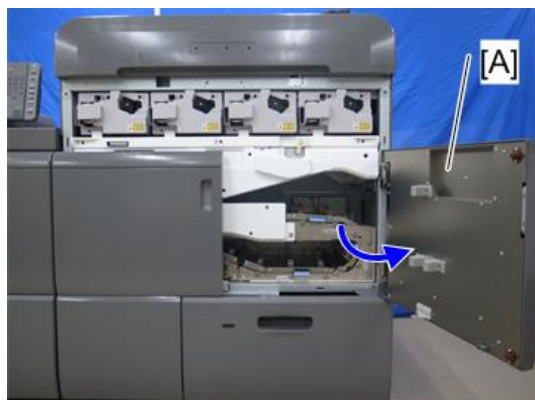
PCDU

1. Charge unit (page 747)

★ Important

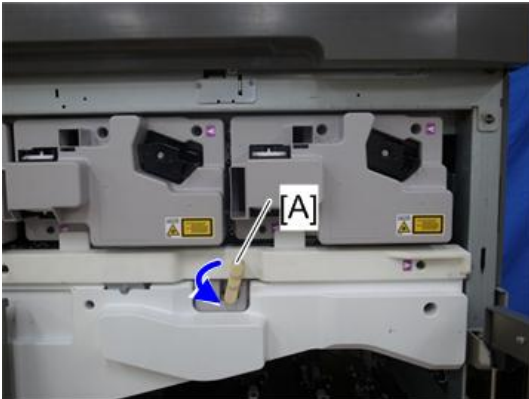
- Do not pull out the PCDU without removing the charge unit. Otherwise, sensors and harnesses may be damaged.

2. Open the right front door (imaging section) [A].



m205a1328

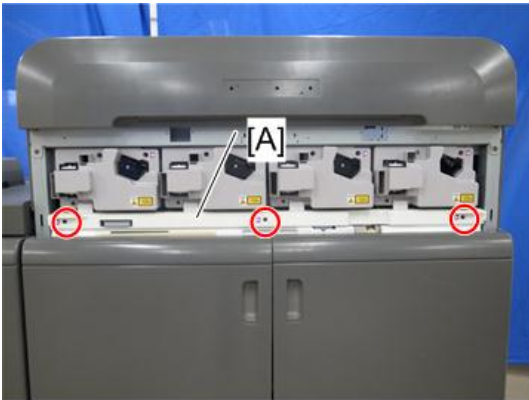
3. Lower the ITB pressure lever [A], and then close the right front door (imaging section).



m205a1329

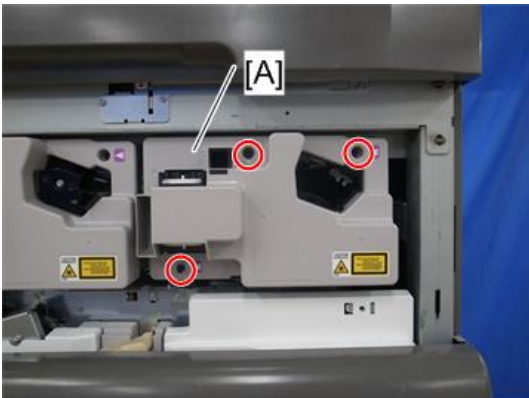
4

4. PCDU lower cover [A] (⚙️ ×3)



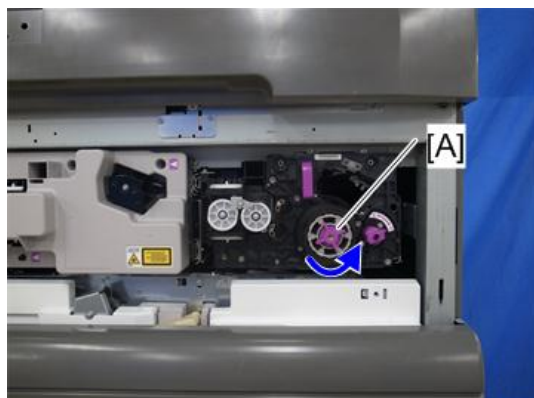
m205a1202

5. PCDU inner cover [A] (⚙️ ×3)



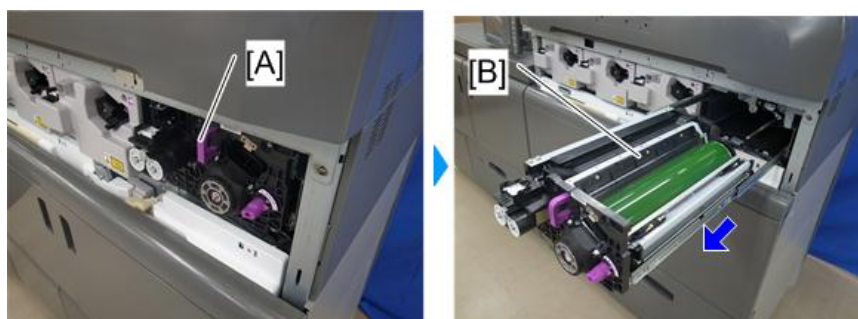
m205a1203

6. Rotate the drawer stop knob [A] counterclockwise, and then remove it.



m205a1204

7. Hold the handle [A], and then pull out the PCDU [B].



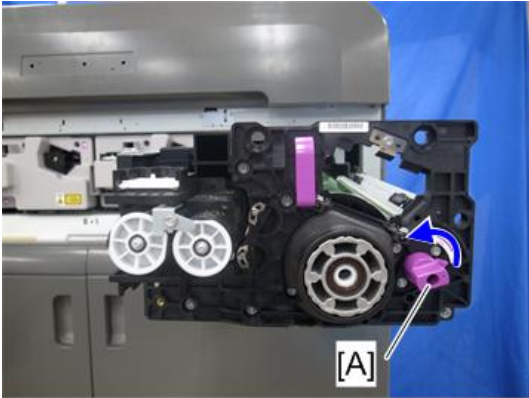
m205a1205

↓ Note

- Pull out the PCDU until it stops.
- After you pull out the PCDU (including the development unit) and push the PCDU back into the machine, be sure to do SP3-040-001 to SP3-040-005 (DEMS: Execute) for the required color stations forcibly.
DEMS must be executed because the phase of an OPC drum is changed when the PCDU is pulled out and pushed back.
- The PCDU must be pulled out and pushed back when the following parts are removed or replaced. Because of this, DEMS must be executed forcibly after the following procedures.
 1. OPC drum (removed or replaced); not necessary to do DEMS if the PM counter was reset (DEMS will be done automatically)
 2. Drum Cleaning Unit (removed or replaced); not necessary to do DEMS if the PM counter was reset (DEMS will be done automatically)
 3. Toner Shield Glass (removed for cleaning or replaced)
 4. Development Unit (removed for cleaning or replaced)

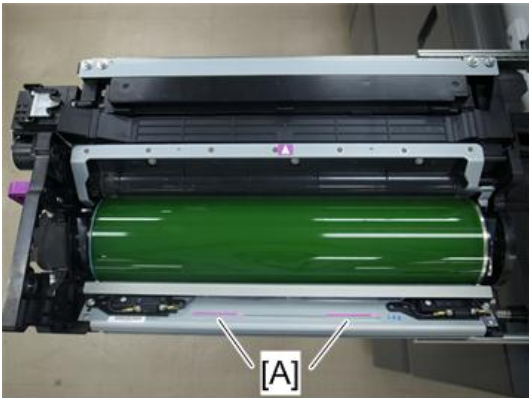
PCU Cleaning Unit Removal

1. Pull out the PCDU. (page 753)
2. Turn the lever [A] counterclockwise to unlock the PCU cleaning unit.



m205a1206

3. Hold the place that TCRU color seals are attached [A], and then lift the PCU cleaning unit and move it along the PCU to remove it.



m205a1207

Note

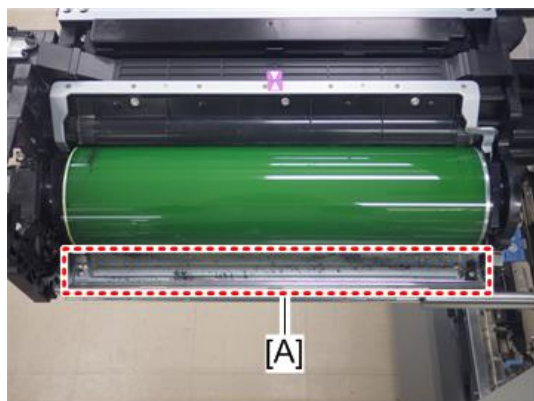
- After removing the PCU cleaning unit, place it on a paper, flat surface.



m205a1208

When installing the PCU Cleaning Unit

Before installing the PCU cleaning unit on the PCDU, check if there is toner remaining at [A] on the PCDU unit. If there is toner at [A] on the PCDU, remove it.



m205a0207

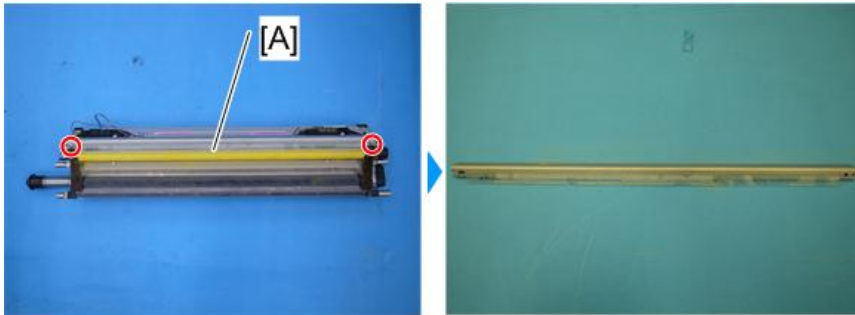
PCU Cleaning Unit Internal Components

★ Important

- When you replace the PCU cleaning lubrication roller, you must replace two polystyrene washers provided with the roller at the same time.

1. PCU cleaning unit (page 756)

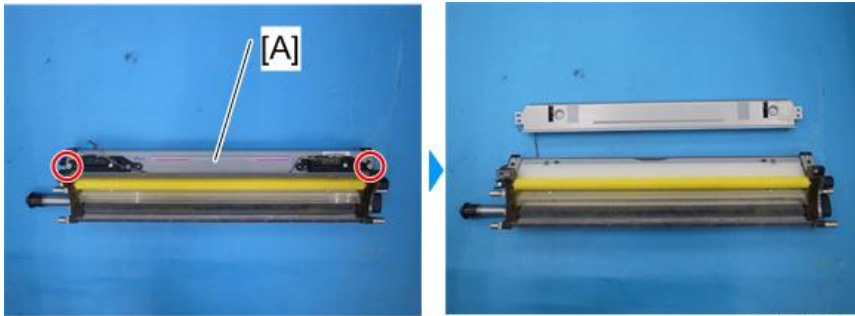
2. PCU cleaning lubrication blade [A] (🔧×2)



m205a1209

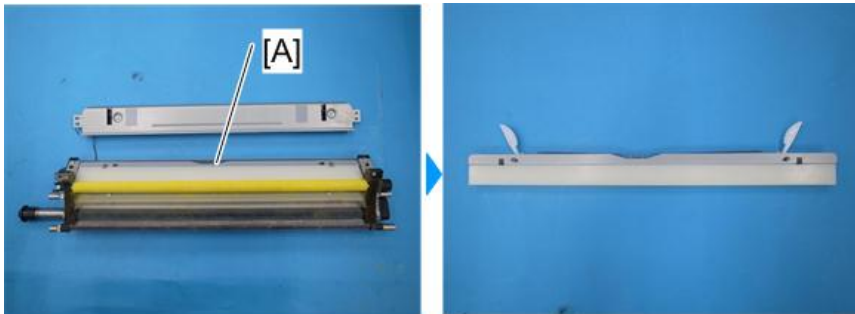
4

3. Remove the screws on the lubricant cover [A], and then remove it from the unit without disconnecting the harnesses. (🔧×2)



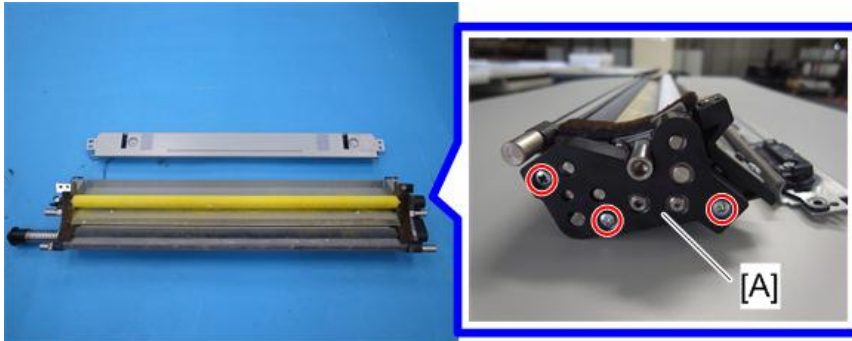
m205a1210

4. PCU cleaning lubricant [A]



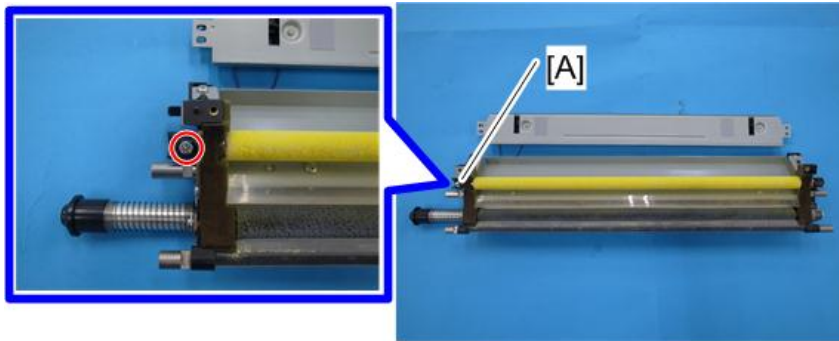
m205a1211

5. Gear cover [A] (⊗×3)



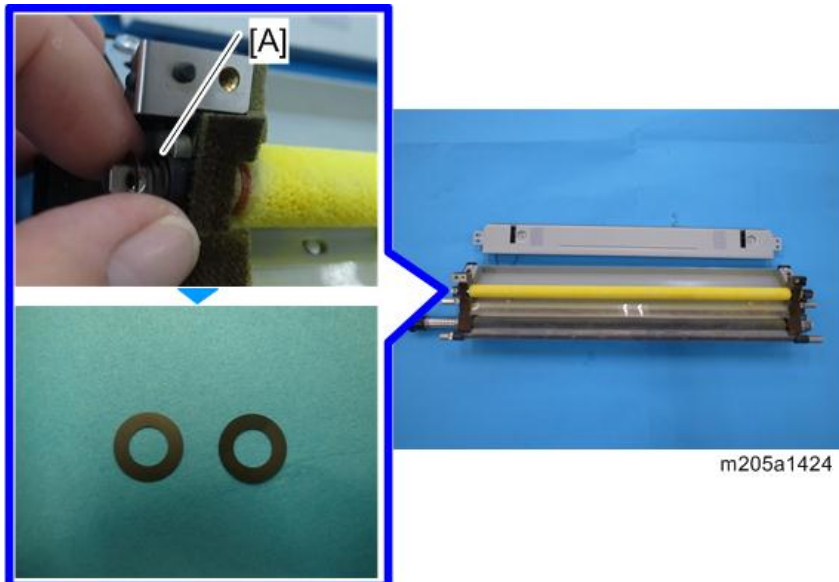
m205a1212

6. Joint [A] (⊗×1)



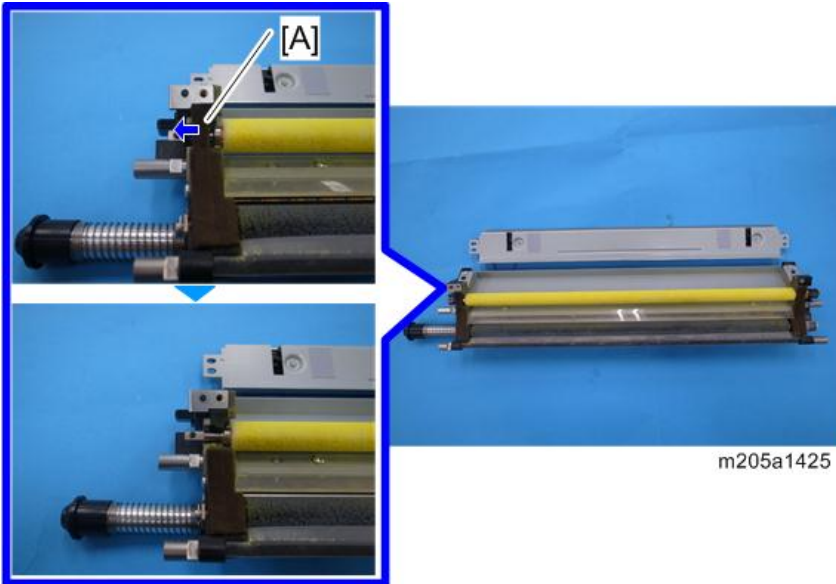
m205a1423

7. Remove two polystyrene washers [A].

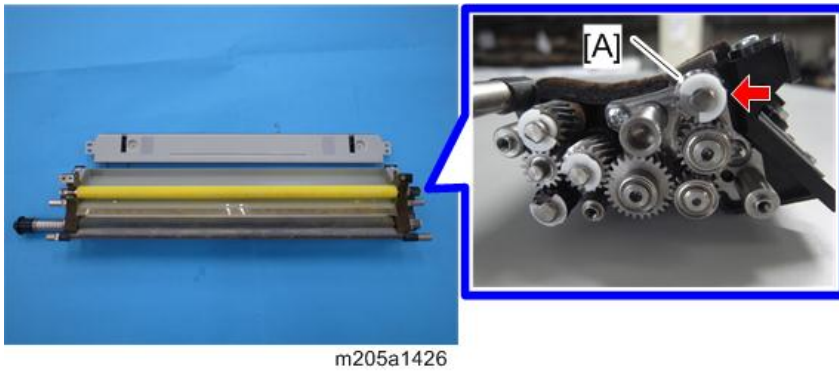


m205a1424

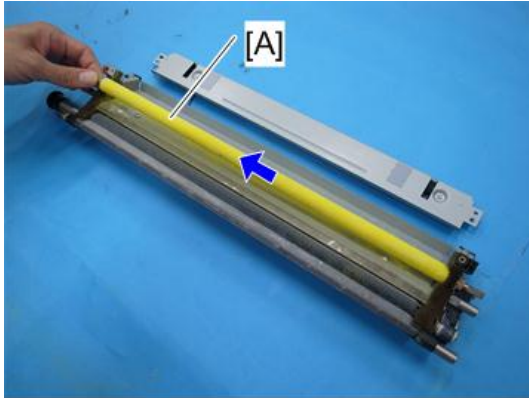
8. Bearing [A]



9. PCU cleaning lubrication roller gear [A] (1x1)

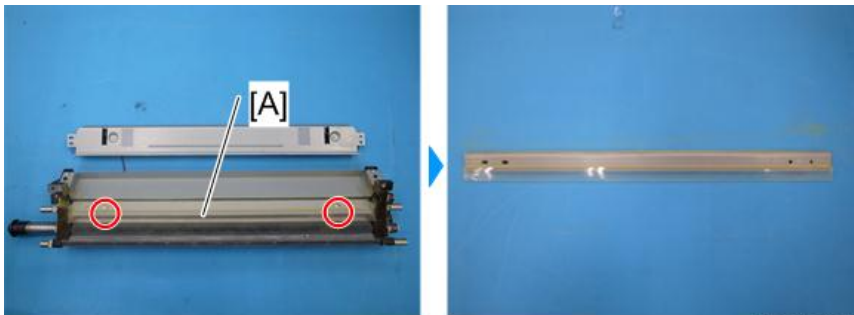


10. Lift the left side of the PCU cleaning lubrication roller [A], and then slide it leftward to remove it.



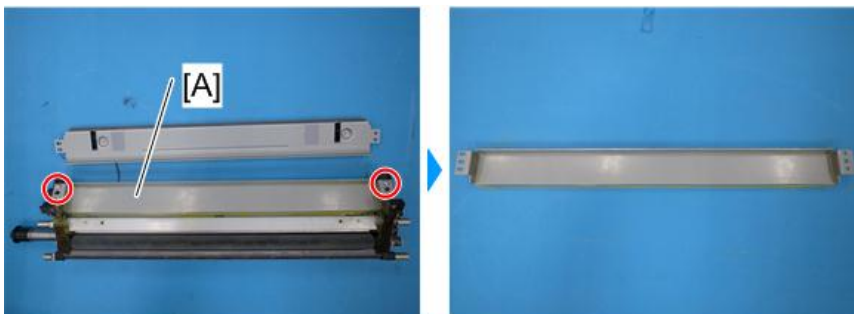
m205a1214

11. PCU cleaning blade [A] (ⓐ × 2)



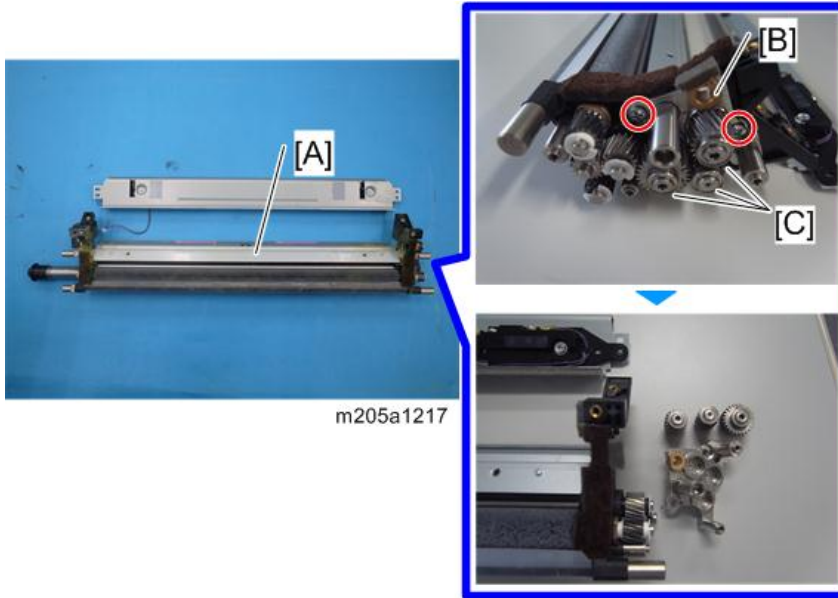
m205a1215

12. Lubricant case [A] (ⓐ × 2)

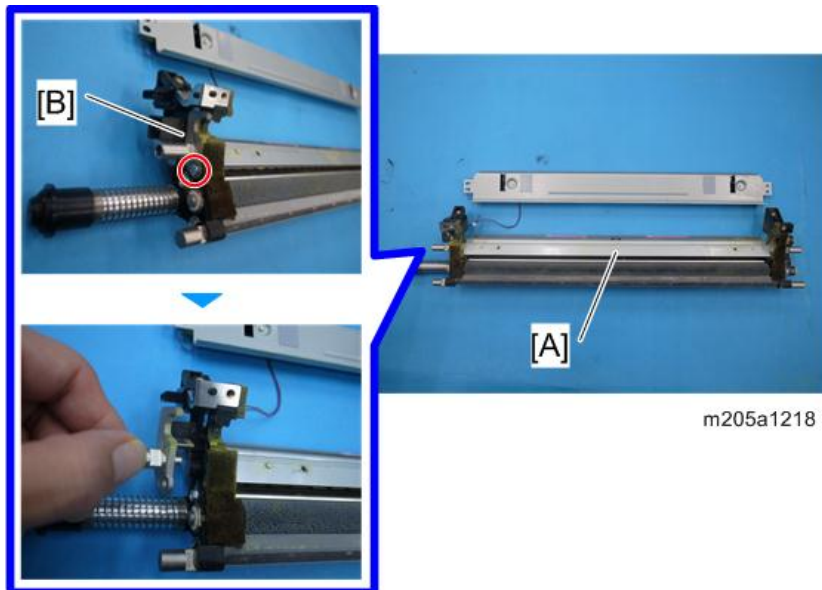


m205a1216

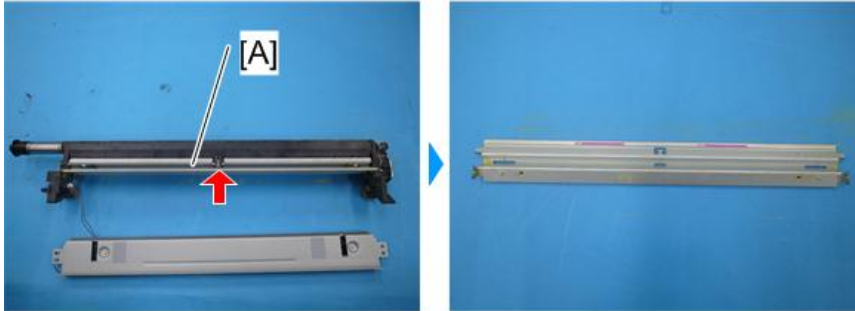
13. Remove the plate [B] on the right side of the cleaning blade bracket [A], and three gears [C]. (⚙️×2)



14. Remove the plate [B] on the left of the cleaning blade bracket [A]. (⚙️×1)

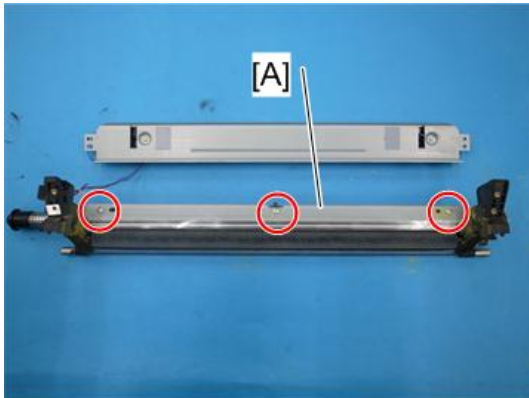


15. Remove the spring on the bottom side of the PCU cleaning unit, and then remove the cleaning blade bracket [A]. (🌀x1)



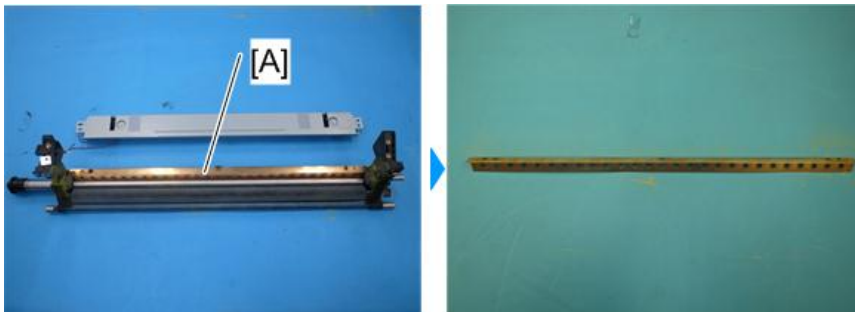
m205a1219

16. Collection blade cover [A] (🌀x3)



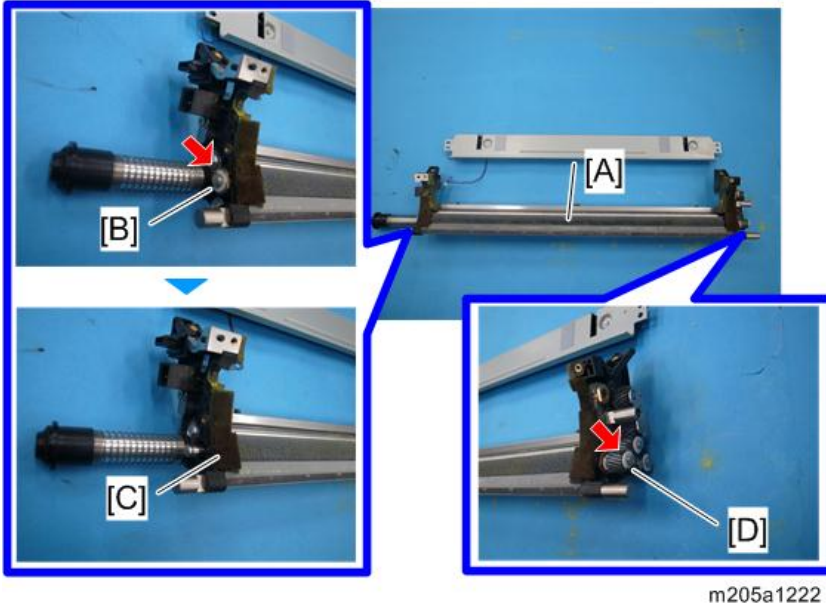
m205a1220

17. PCU cleaning collection blade [A]

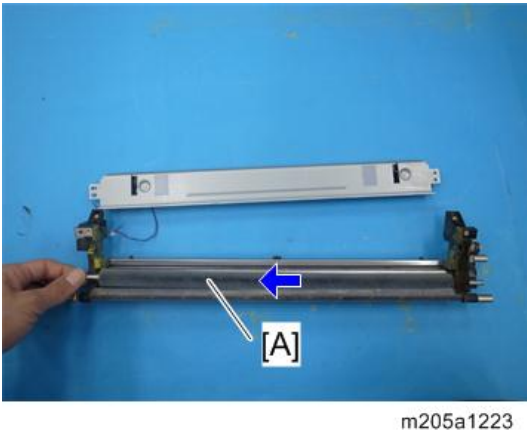


m205a1221

18. Remove the bearing [B] and bearing holder [C] on the left of the PCU cleaning roller [A], and then remove the gear [D] on the right. (2x2)



19. Lift the left side of the PCU cleaning roller [A], and then slide it leftward to remove it.



Applying the Zinc Stearate and Yellow toner to the PCU Cleaning Roller/Lubrication Roller

After you replace the PCU cleaning roller or lubrication roller individually, you need to apply the zinc stearate and yellow toner to them. This procedure is not required if you replace PCU cleaning unit.

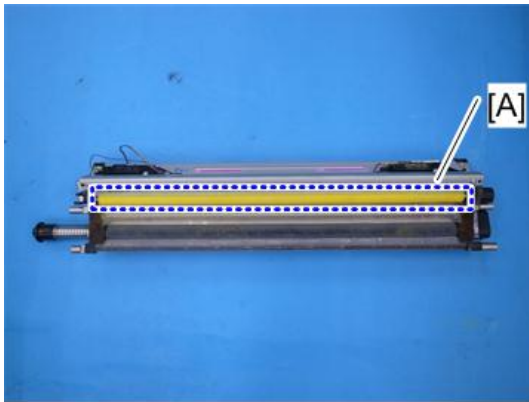
★ Important

- Use a soft brush to apply the zinc stearate and yellow toner.

- To prevent the PCU cleaning blade edge from being cracked or scratched, do not press the brush against it strongly.
- If a mass of the powder adheres to the front side of the PCU cleaning blade, remove it with the brush to prevent the powder from entering the development unit.

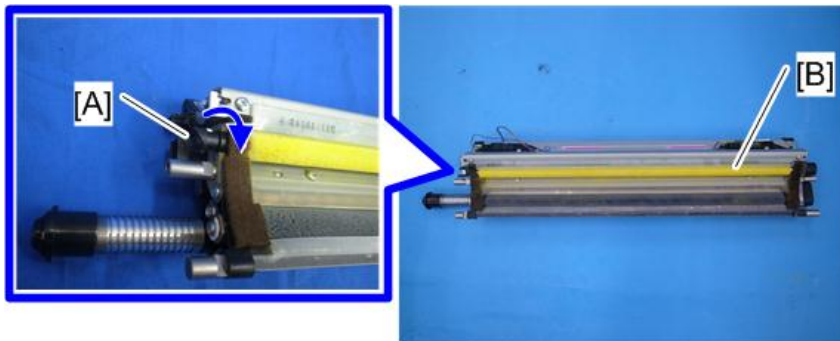
PCU Cleaning Lubrication Roller

1. Prepare a 1:4 mixture (2g) of the lubricant powder (D0159501) (zinc stearate) and yellow toner (D0159500).
2. Apply the mixture to the PCU cleaning lubrication roller [A] evenly.

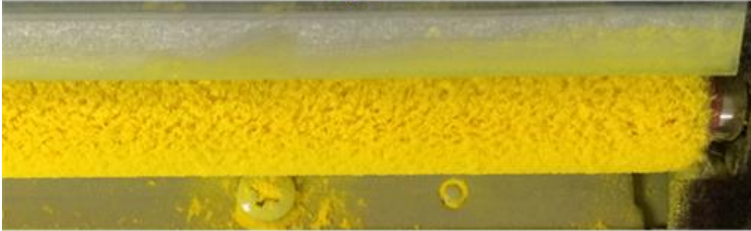
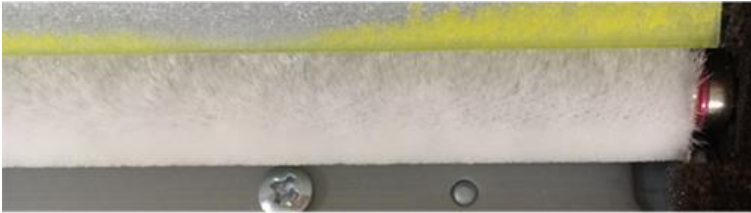


m205a1377

3. Rotate the PCU cleaning lubrication roller [B] using shaft [A], and then repeat Step 2 until the white part of the roller cannot be seen at all.



m205a1381

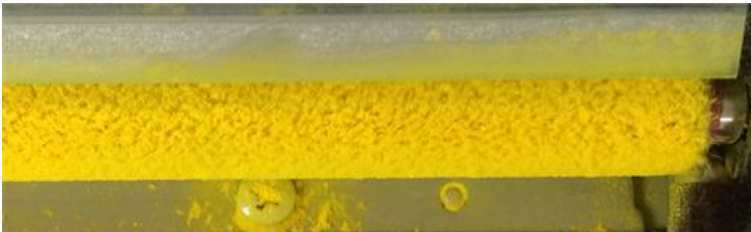


m205a4226

4

4. Make sure that enough zinc stearate and yellow toner are applied to the PCU cleaning lubrication roller [B]. The lower limit is shown in the following picture.

Lower limit (2.5g)



m205a4227

5. After the procedure above, tilt the drum cleaning unit to drop the excess toner onto some paper, in order to prevent toner dropping onto the PCU frame [D] when the unit is installed in the main frame.



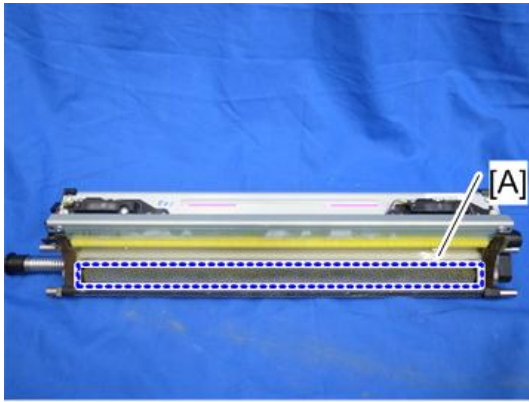
m205a4228

Note

- NOTE: If excess toner was not removed, there is a chance that the toner will slip through from the front edge of the roller to the ITB, then the ITB speed sensor will get dirty. (SC499 will occur.)

PCU Cleaning Roller

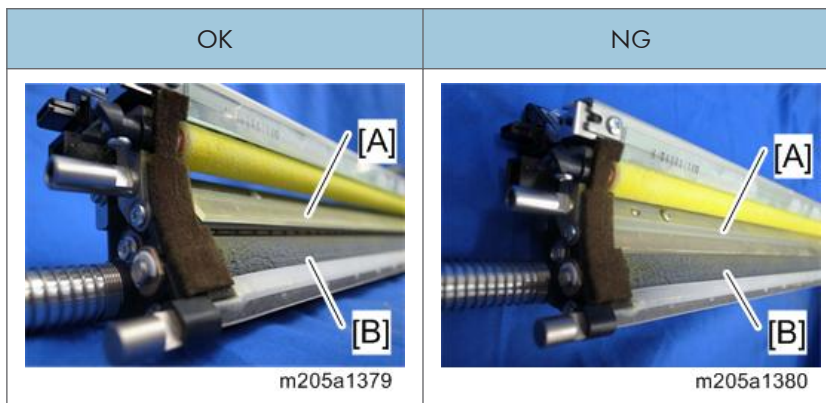
1. Prepare a 1:1 mixture (3g) of the lubricant powder (D0159501) (zinc stearate) and yellow toner (D0159500).
2. Apply the mixture to the PCU cleaning roller [A] evenly.



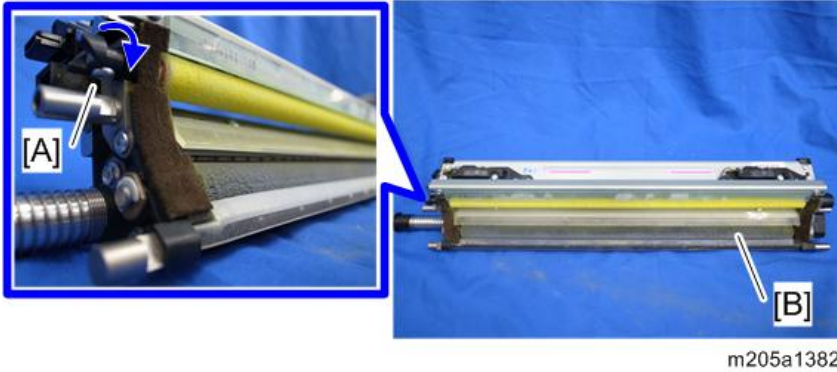
m205a1378

Note

- To prevent the blade edge from being cracked or scratched, apply the mixture in a state that the PCU cleaning blade [A] does not contact the PCU cleaning roller [B].

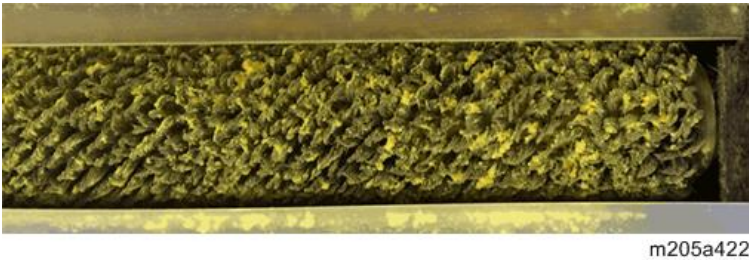


3. Rotate the PCU cleaning roller [B] using shaft [A], and then repeat Step 2 until more than the lower limit amount (3g) of the mixture has been applied to the whole part.

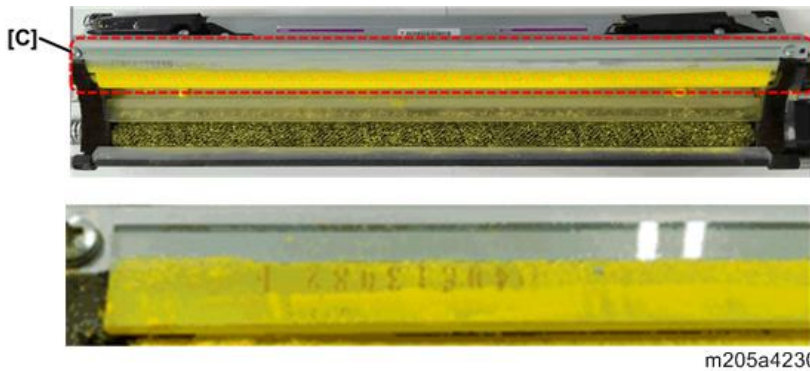


4

Lower limit (3g)



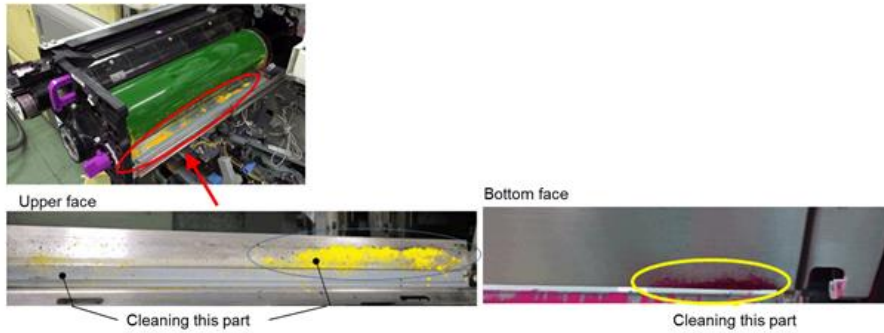
4. Remove the application blade [C] from the unit. Then, apply the yellow toner (D0159500) to the edge of the blade [C].



5. Reinstall the blade [C] in the unit.

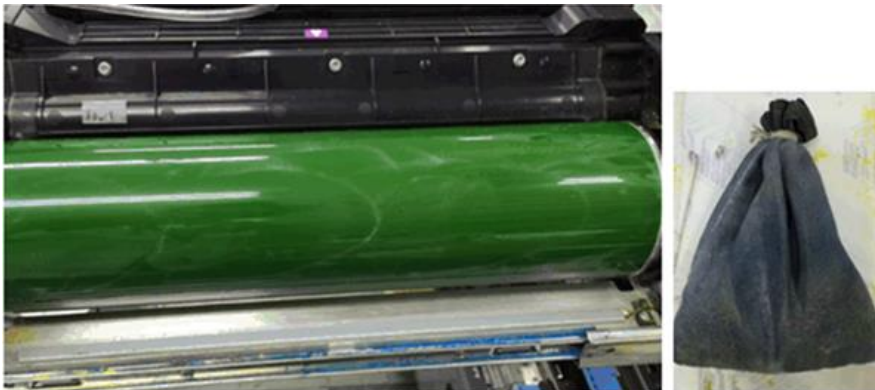
6. Clean the upper face and bottom face of the PCU frame [D] if needed.

m205a4231



Installing Photoconductor and PCU Cleaning Unit

1. Install the photoconductor in the unit.

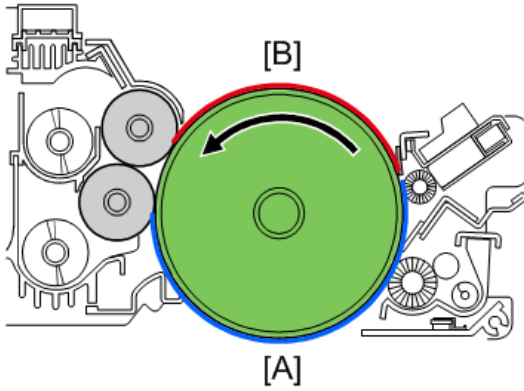


m205a4232

2. Attach the PCU cleaning unit and rotate the photoconductor more than one-half turn in the direction of the arrow, while applying setting powder (B1329700) from the black bag shown above. While rotating, lightly press the PCU cleaning unit.



m205a4233



m205a1422

4

Note

- The powder must be applied within the blue range [A] shown above. If there is powder within the red range [B], powder may adhere to the development unit entrance seal and it could cause vertical lines in printouts.



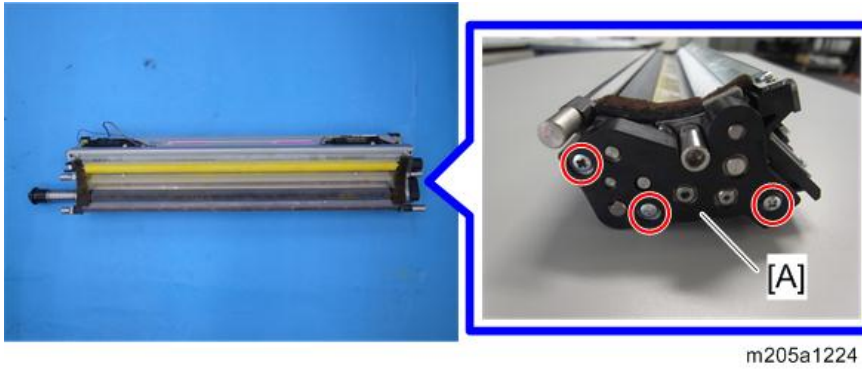
m205a4234

3. Install the unit in the main frame.
4. Do cleaning unit initial setting for the color you have been working on (SP3032-001 to 006).
5. Do initial process control and MUSIC.

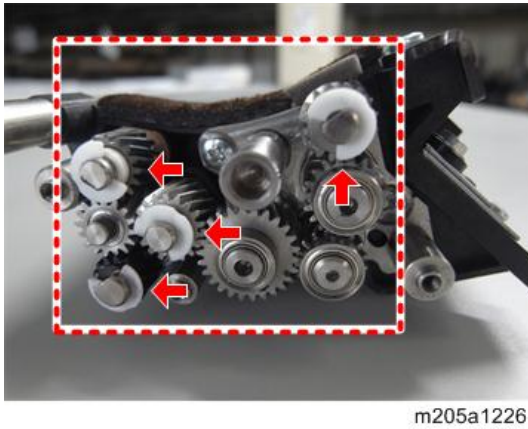
Applying the Grease to the Gears of PCU Cleaning Unit

1. PCU cleaning unit (page 756)

2. Gear cover [A] (⊗×3)

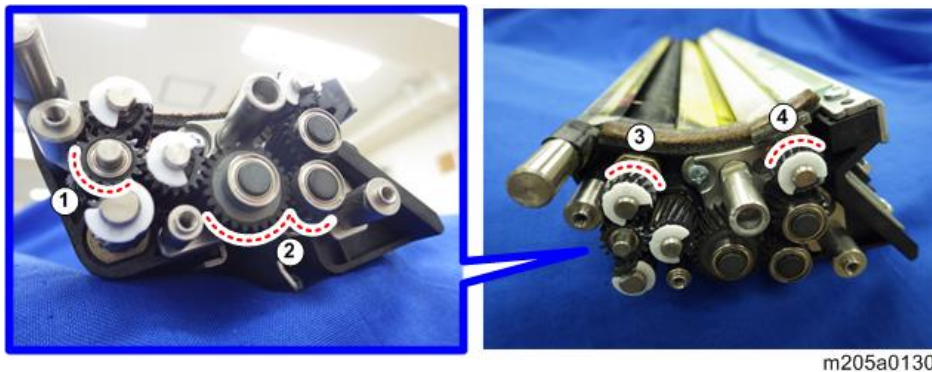


3. Remove eight gears. (⊗×4)

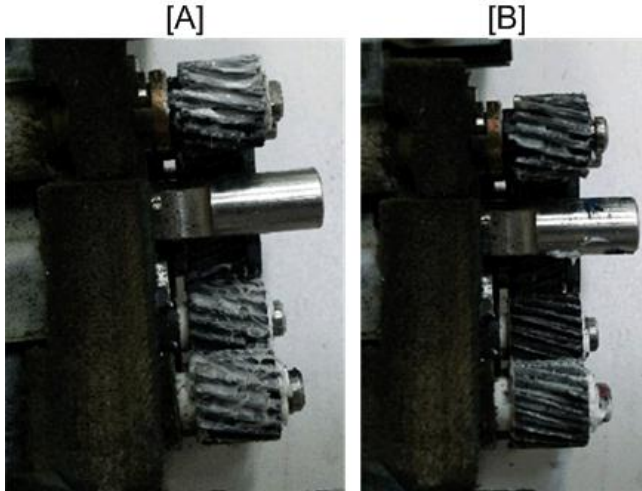


↓ Note

- When you replace the gears, apply the grease (Barrierta S552R) to the red dotted lines shown below (4 points), and then rotate gears to apply the grease uniformly.



- The maximum and minimum amount of grease you should use is shown below.

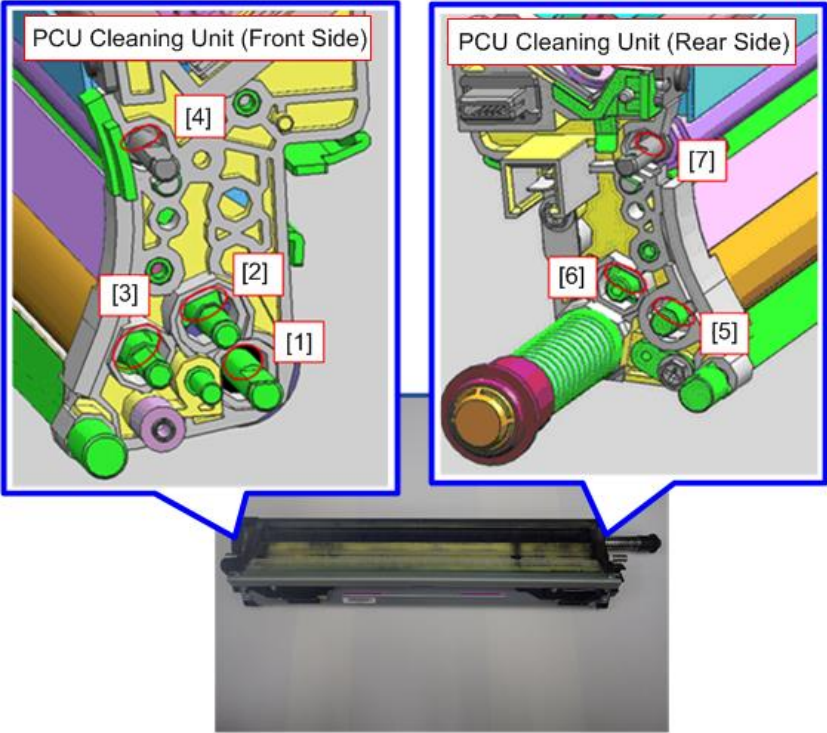


m205a1574

- [A]: Maximum amount
- [B]: Minimum amount

Applying the Grease to the Bearings of the PCU Cleaning Unit

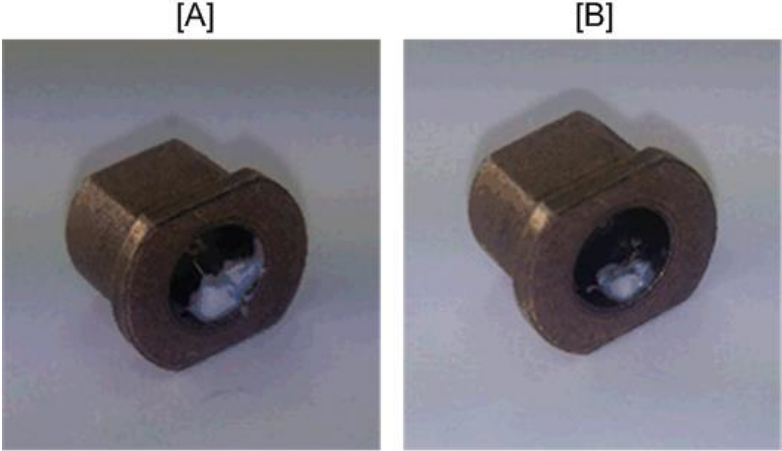
Apply grease (Barrierta S552R) to seven bearings shown below every 900K.



w_m205a4168

Note

- The maximum and minimum amount of grease you should use is shown below.



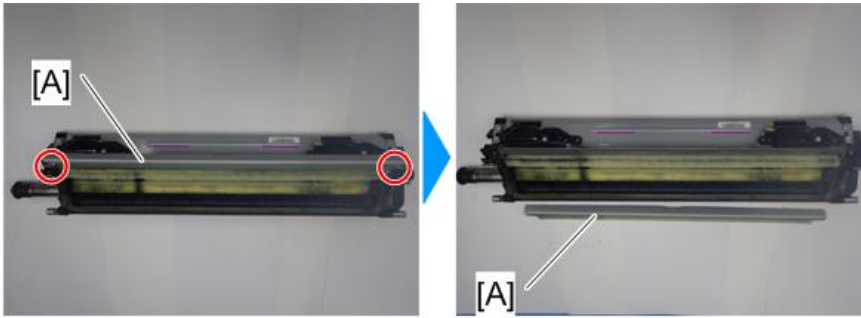
m205a4169

- [A]: Maximum amount (54mg)
- [B]: Minimum amount (16mg)

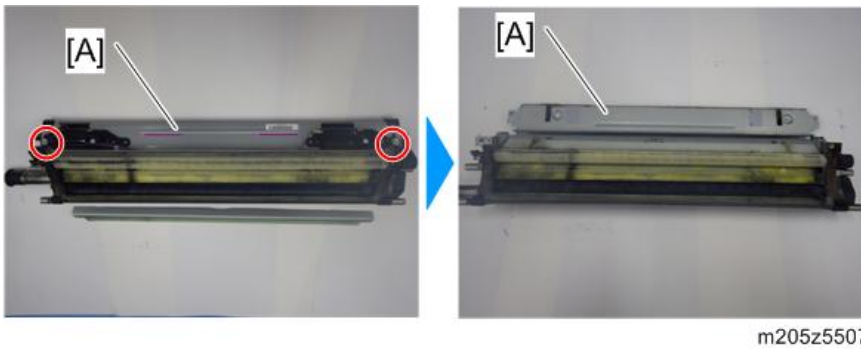
Cleaning the Lubricant End Detection Switch

Clean the lubricant end switch with vacuum cleaner every 1800K.

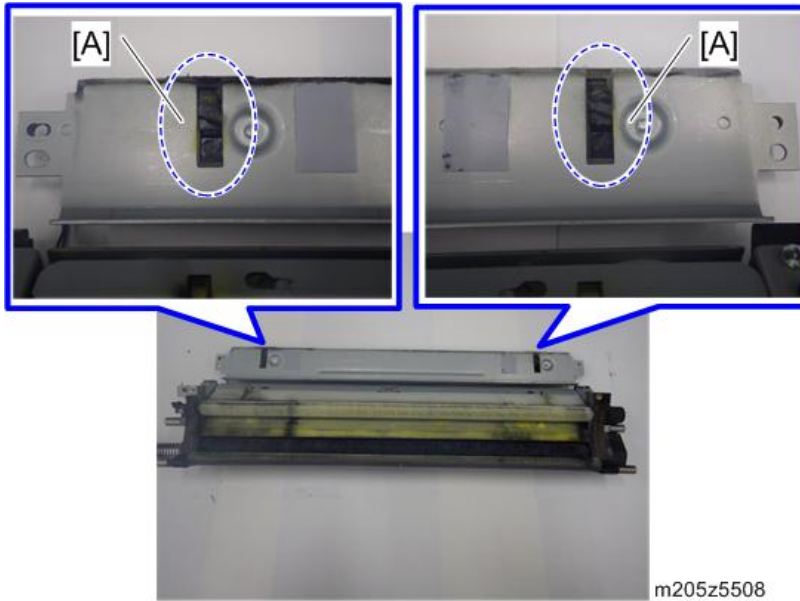
1. PCU cleaning unit (page 756)
2. PCU cleaning lubrication blade [A] (🔩×2)



3. Lubricant cover [A] (🔩×2)



4. With a vacuum cleaner, clean the sensor holes [A] of lubricant end detection switch.



PCU

↓ Note

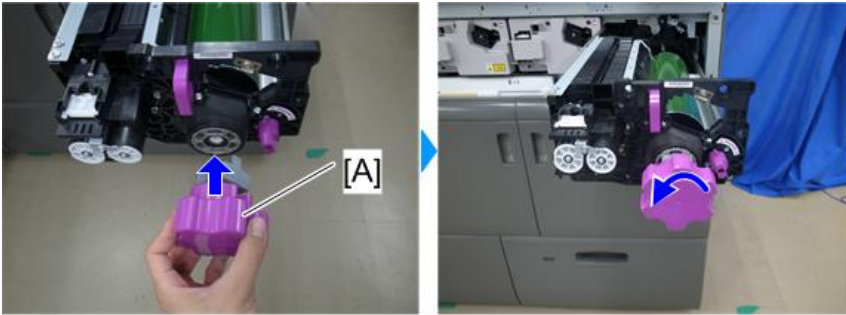
- Prepare the knob (torque limiter) provided with the machine in advance.



m205a1330

1. PCU cleaning unit (page 756)

2. Turn the knob counterclockwise with the torque limiter [A] to unlock the PCU.



m205a1227

4

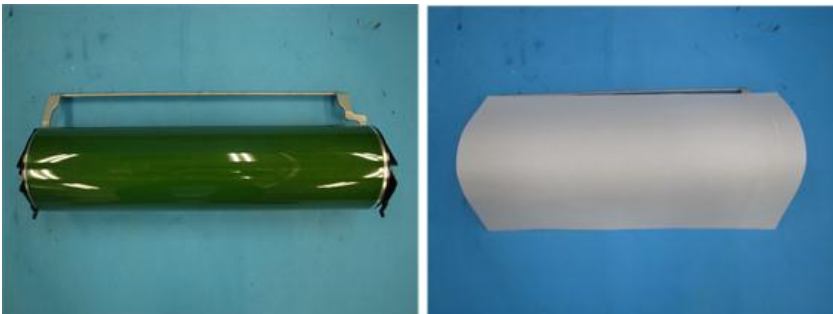
3. Rotate the lock handle [A] toward to you, and then move the PCU in the upper right direction as viewed from front to remove it.



m205a1228

Note

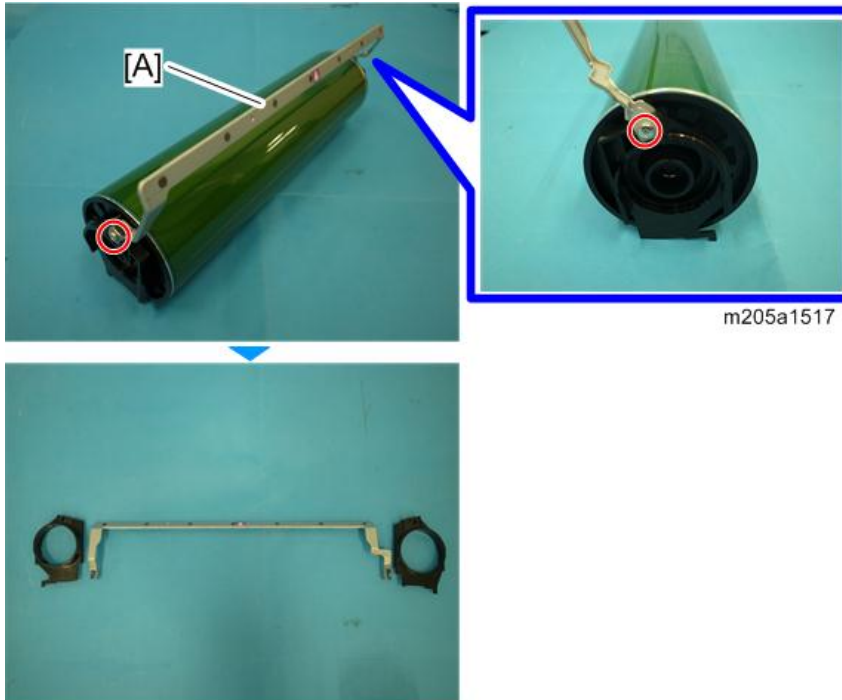
- After removing the PCU, place it on a clean, flat surface and cover it with a piece of paper to protect it from the light.



m205a1229

Attaching the New PCU

1. Remove the lock handle [A] from the old PCU. (⚙️×2)



2. Attach the lock handle to the new PCU.
3. Remove the protective sheet from the new PCU.



d1792930

4. While holding the PCU upright, wipe the PCU surface with a dry cloth, and then apply the lubricant powder (B1329700) (zinc stearate) to half of the PCU.

★ Important

- See the following picture for checking the correct amount of powder. If you apply too much powder, wipe it with a dry cloth.

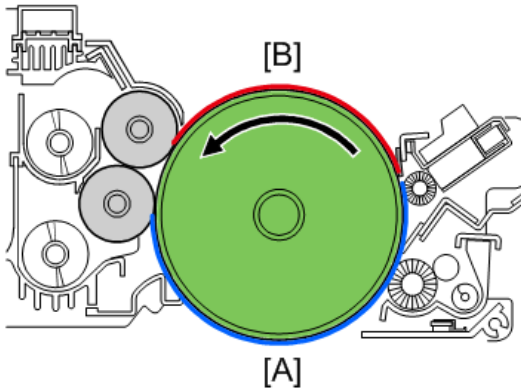


m205a1416

5. Check there are no scratches and dirt, and then attach the PCU to PCDU while checking the powder applied range.

★ Important

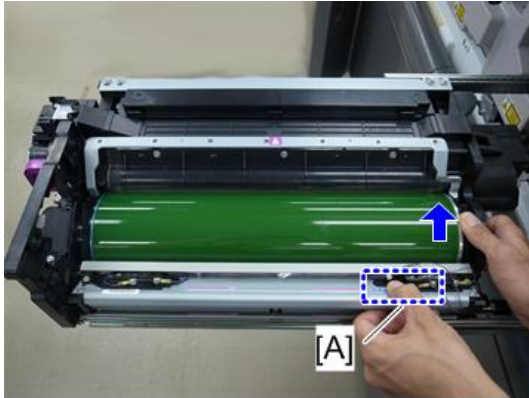
- A powder applied range must be within the blue range [A] shown below. If there is powder within red range [B], powder may adhere to development unit entrance seal and it could cause vertical lines in printouts.



m205a1422

6. Attach the PCU cleaning unit.

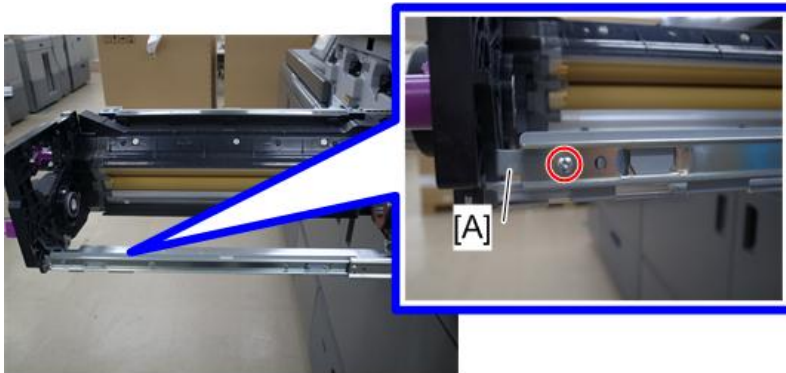
7. While pressing lightly on the PCU cleaning unit [A], rotate the PCU more than one-half turn in the direction of the arrow.



m205a1231

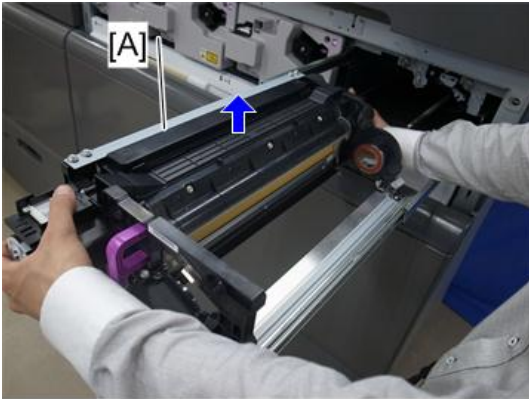
Development Unit

1. PCU (page 775)
2. Remove the lock plate [A] on the right rail. (⊖ × 1)



m205a1233

3. Hold the right and left ends of the development unit [A], and then remove it by lifting it.



m205a1234

★ Important

- Be sure to hold the right and left ends of the development unit. Otherwise, the development unit may get distorted and damaged.

↓ Note

- After removing the development unit, place it on a clean, flat surface.



m205a1235

Developer Replacement

★ Important

- Prepare the following items in advance.
 - Funnel [A] provided with the machine
 - New developer [B]
 - Developer disposal bag [C] provided with the developer



m205a1331

Draining Developer

1. Enter the SP mode, and then execute SP3-028-001 to 006 (TC Down Bf Developer Emit: Exe) according to development unit to emit the developer.

SP No.	Color
SP3-028-001 (TC Down Bf Developer Emit: Exe: All Colors)	K/C/M/Y
SP3-028-002 (TC Down Bf Developer Emit: Exe: Colors)	C/M/Y
SP3-028-003 (TC Down Bf Developer Emit: Exe: K)	K
SP3-028-004 (TC Down Bf Developer Emit: Exe: C)	C
SP3-028-005 (TC Down Bf Developer Emit: Exe: M)	M
SP3-028-006 (TC Down Bf Developer Emit: Exe: Y)	Y

2. Check that the result code displayed in SP3-029-001 (TC Down Bf Dev Emit: Result) is "1".

Result code table for TC down before developer emitting

Code	Meaning	Conditions	Recovery Procedure
0	No execution	-	-
1	Succeeded	Succeeded	-
2	Waste toner bottle full	The waste toner bottle became full during operation.	<ol style="list-style-type: none"> 1. Replace the waste toner bottle. 2. Execute SP3-028-001 to 006 (TC Down Bf Developer Emit: Exe).
3	Time-out	TC down was not executed completely even after the machine repeated the upper limit number of operation.	<ol style="list-style-type: none"> 1. Execute SP3-028-001 to 006 (TC Down Bf Developer Emit: Exe).
9	Forced abort	TC down was forced to abort due to door open, power off, or other errors.	<ol style="list-style-type: none"> 1. Clear the error. 2. Execute SP3-028-001 to 006 (TC Down Bf Developer Emit: Exe).

3. Open the left front door and right front door of the imaging section and the toner supply front cover.

4. Upper front cover (page 677)



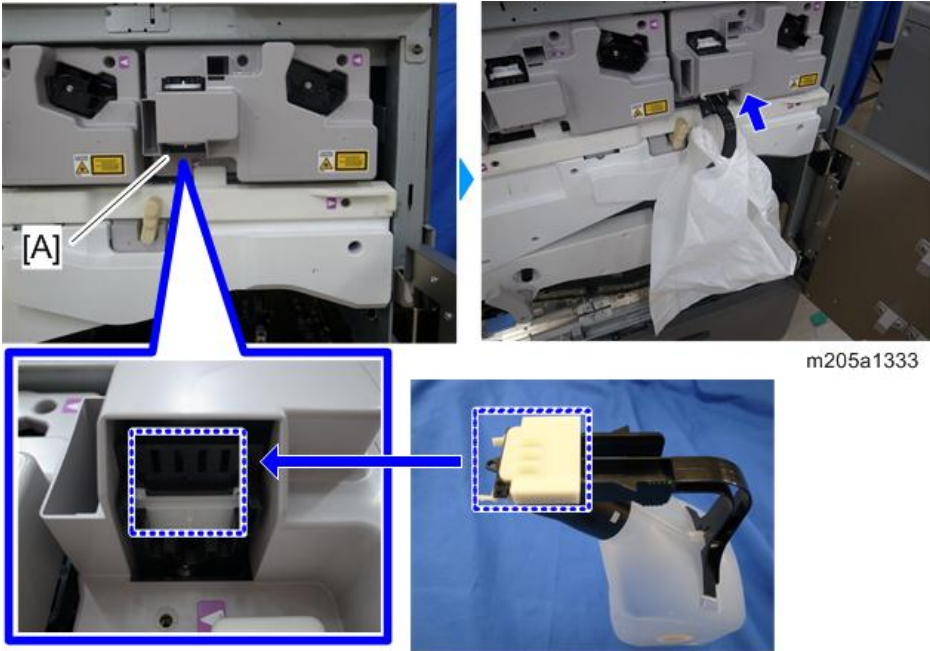
m205a1421

5. Attach the developer disposal bag to the funnel.



m205a1339

- Set the projections on the funnel to the holes on the draining port [A], and then push the funnel until it clicks.



4

- Enter the SP mode, and then execute SP3-022-003 to 006 (Developer Emission: Exe).

SP No.	Color
SP3-022-003 (Developer Emission: Exe: Execute: K)	K
SP3-022-004 (Developer Emission: Exe: Execute: C)	C
SP3-022-005 (Developer Emission: Exe: Execute: M)	M
SP3-022-006 (Developer Emission: Exe: Execute: Y)	Y

Note

- It takes 150 seconds to expel the developer.

8. Check that the result code displayed in SP3-023-001 (Developer Emission: Exe Result) is "1".

Result code table for developer emission

Code	Meaning	Conditions	Recovery Procedure
1	Succeeded	Succeeded	-
2	No developer exited	A developer remains in the development unit.	1. Execute SP3-022-003 to 006 (Developer Emission: Exe).
4	Waste toner bottle full	Waste toner bottle full was detected.	1. Replace the waste toner bottle. 2. Execute SP3-022-003 to 006 (Developer Emission: Exe).
5	Development motor lock	Development motor lock was detected.	1. Clear the SC324 to 327 (Development motor error). 2. Execute SP3-022-003 to 006 (Developer Emission: Exe).
6	Waste toner transport motor lock	Waste toner transport motor (upper/lower) lock was detected.	1. Clear the SC485/486/488 (Waste toner lock). 2. Execute SP3-022-003 to 006 (Developer Emission: Exe).
7	Fan lock	Ozone exhaust fan lock was detected.	1. Clear the SC530-23 to 26 (Ozone exhaust fan error). 2. Execute SP3-022-003 to 006 (Developer Emission: Exe).

Code	Meaning	Conditions	Recovery Procedure
8	TC down before developer emitting failed	TC down before developer emitting did not succeed.	<ol style="list-style-type: none"> 1. Execute SP3-028-001 to 006 (TC Down Bf Developer Emit: Exe). 2. Check that the result code displayed in SP3-029-001 (TC Down Bf Dev Emit: Result) is "1". 3. Execute SP3-022-003 to 006 (Developer Emission: Exe).
9	Forced abort	Developer emission was forced to abort due to door open, power off, or other errors.	<ol style="list-style-type: none"> 1. Clear the error. 2. Execute SP3-022-003 to 006 (Developer Emission: Exe).

9. After the developer emission completes, hold the lock lever [A] on the funnel, and then remove it.



10. Remove the developer disposal bag from the funnel, and then bind it with provided rubber band.

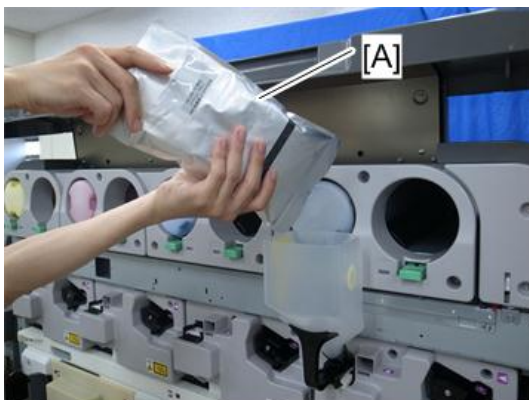
Adding New Developer

1. Set the projections on the funnel to the holes on the supply port [A], and then push the funnel until it clicks.



m205a1335

2. Fill the funnel with the developer [A].



m205a1336

3. Enter the SP mode, and then execute SP3-024-003 to 006 (Developer Fill: Exe).

SP No.	Color
SP3-024-003 (Developer Fill: Exe: Execute: K)	K
SP3-024-004 (Developer Fill: Exe: Execute: C)	C
SP3-024-005 (Developer Fill: Exe: Execute: M)	M
SP3-024-006 (Developer Fill: Exe: Execute: Y)	Y

4. Check the error message does not appear, and then fill the developer while tapping the funnel.

Note

- It takes 60 seconds to fill the developer.

5. Check that the result code displayed in SP3-025-001 (Developer Fill: Exe Result) is "1".

Result code table for filling developer

Code	Meaning	Conditions	Recovery Procedure
0	No execution	-	-
1	Succeeded	Succeeded	-
2	No developer exited	A developer remains in the development unit.	<ol style="list-style-type: none"> 1. Execute SP3-022-003 to 006 (Developer Emission: Exe). 2. Check that the result code displayed in SP3-023-001 (Developer Emission: Exe Result) is "1". 3. Execute SP3-024-003 to 006 (Developer Fill: Exe).
3	No developer entered	The developer filling time was up before the developer is filled completely.	<ol style="list-style-type: none"> 1. Execute SP3-024-003 to 006 (Developer Fill: Exe).

Code	Meaning	Conditions	Recovery Procedure
4	Waste toner bottle full	Waste toner bottle full was detected.	<ol style="list-style-type: none"> 1. Replace the waste toner bottle. 2. Execute SP3-024-003 to 006 (Developer Fill: Exe).
5	Development motor lock	Development motor lock was detected.	<ol style="list-style-type: none"> 1. Clear the SC324 to 327 (Development motor error). 2. Execute SP3-024-003 to 006 (Developer Fill: Exe).
6	Waste toner transport motor lock	Waste toner transport motor (upper/lower) lock was detected.	<ol style="list-style-type: none"> 1. Clear the SC485/486/488 (Waste toner lock). 2. Execute SP3-024-003 to 006 (Developer Fill: Exe).
7	Fan lock	Ozone exhaust fan lock was detected.	<ol style="list-style-type: none"> 1. Clear the SC530-23 to 26 (Ozone exhaust fan error). 2. Execute SP3-024-003 to 006 (Developer Fill: Exe).
9	Forced abort	Developer filling was forced to abort due to door open, power off, or other errors.	<ol style="list-style-type: none"> 1. Clear the error. 2. Execute SP3-024-003 to 006 (Developer Fill: Exe).

6. After the developer filling completes, hold the lock lever [A] on the funnel, and then remove it.



7. Re-attach the upper front cover, and then close the left front door and right front door of the imaging section and the toner supply front cover.

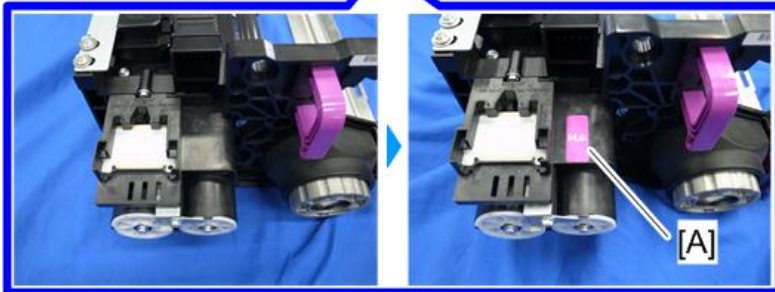
Note

- After you re-attach the cover and close doors, the machine automatically initializes TD sensor and executes process control.

When You Install New Development Unit

When you install the new development unit, attach the color identification seals [A] that come with the unit to the location as shown below.

4

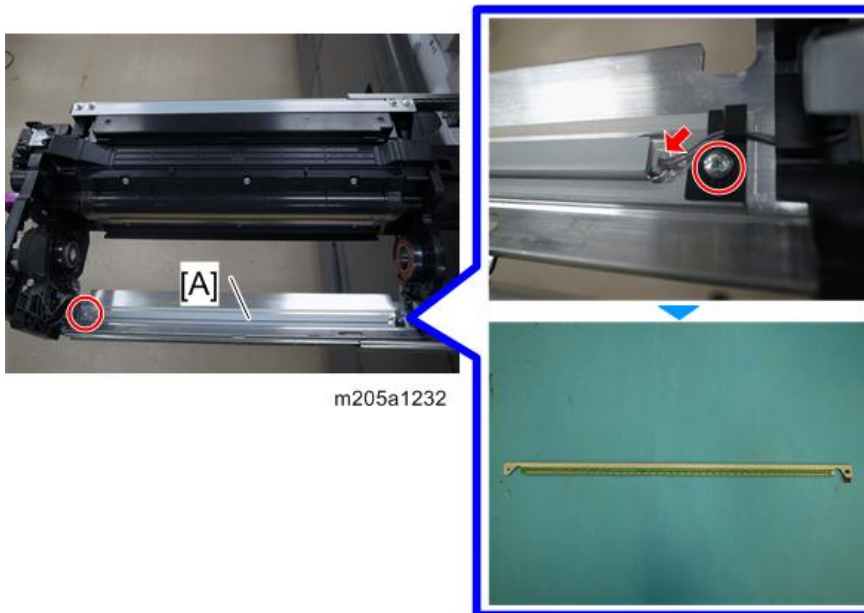


m205a1493

Quenching Lamp 1

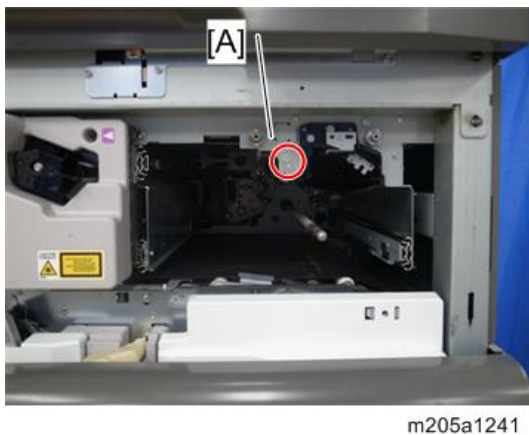
1. PCU (page 775)

2. Quenching lamp 1 [A] (🔩×2, 📦×1)



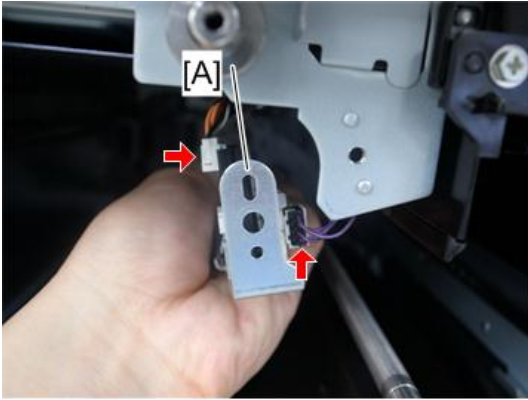
Potential Sensor (K/C/M/Y)

1. Development unit (page 779)
2. Remove the screw on the sensor bracket [A]. (🔩×1)




3. Move the sensor bracket [A] downward, and then disconnect the connectors to remove the bracket.

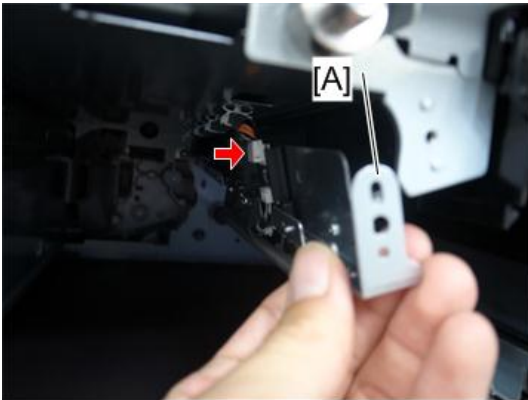
- Potential sensor (K/Y): 📦×2



m205a1242

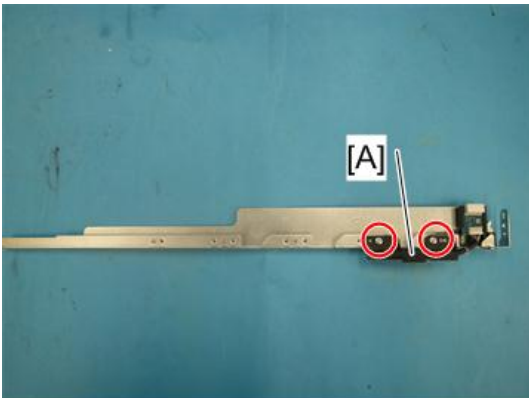
4

- Potential sensor (C/M):  × 1



m205a1243

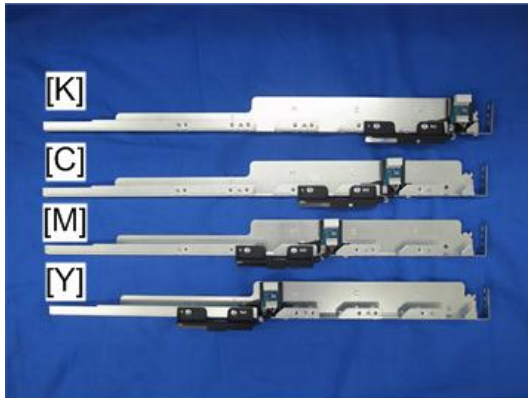
4. Potential sensor holder [A] ( × 2)



m205a1244

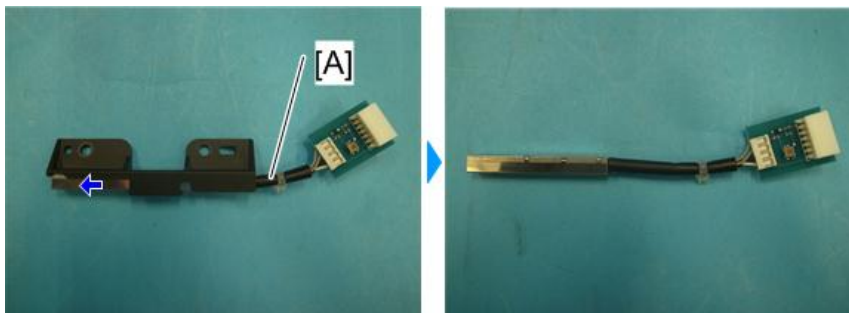
↓ **Note**

- Position of the potential sensor holder is different by color (K/C/M/Y). Make sure to attach the potential sensor holder to the correct position when you re-attach it.



m205a1245

5. Potential sensor [A]



m205a1246

↓ **Note**

- The potential sensor is fragile and sensitive. Static electricity may damage this sensor. Discharge your static electricity before servicing.

Potential Sensor Board

1. Toner supply right upper cover (page 690)

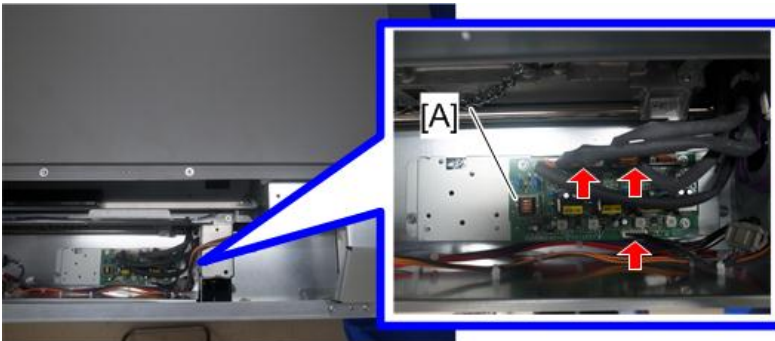
2. Plate [A] (🔩 ×2)



m205a1312

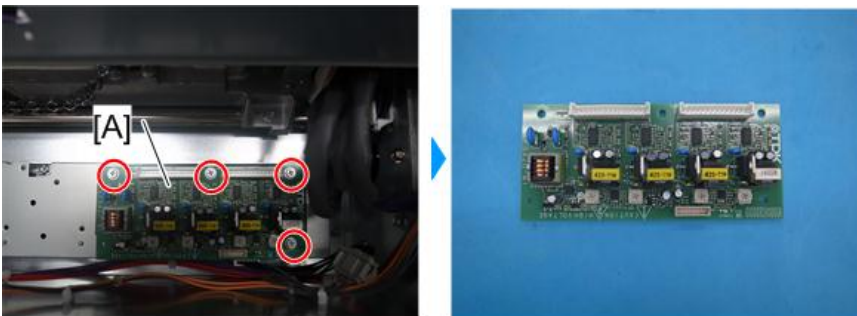
4

3. Disconnect the connectors on the potential sensor board [A]. (🔌 ×3)



m205a1314

4. Potential sensor board [A] (🔩 ×4)



m205a1315

Temperature/Humidity Sensor (PCU1/PCU2)

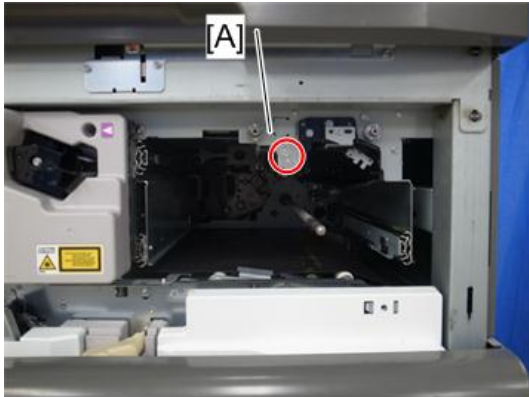
⬇️ Note

- Temperature/humidity sensor (PCU1) is attached on the same bracket to the potential sensor (K).

- Temperature/humidity sensor (PCU2) is attached on the same bracket to the potential sensor (Y).

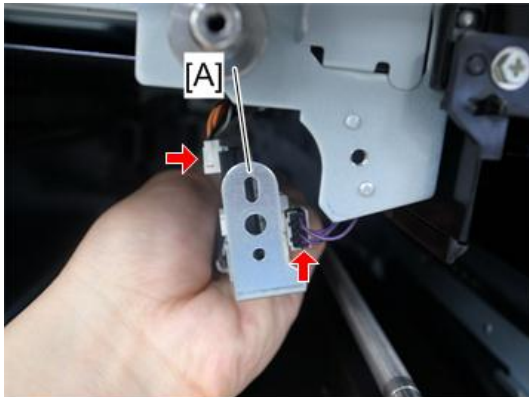
1. Development unit (page 779)

2. Remove the screw on the sensor bracket [A]. (🔩 ×1)



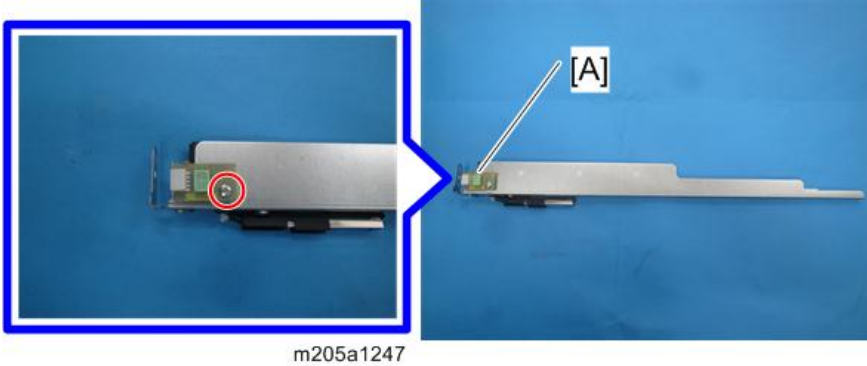
m205a1241

3. Move the sensor bracket [A] downward, and then disconnect the connectors to remove the bracket. (🔧 ×2)



m205a1242

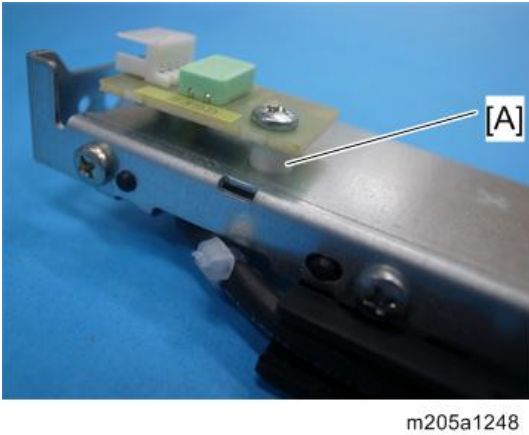
4. Temperature/humidity sensor [A] (⑤×1)



4

↓ Note

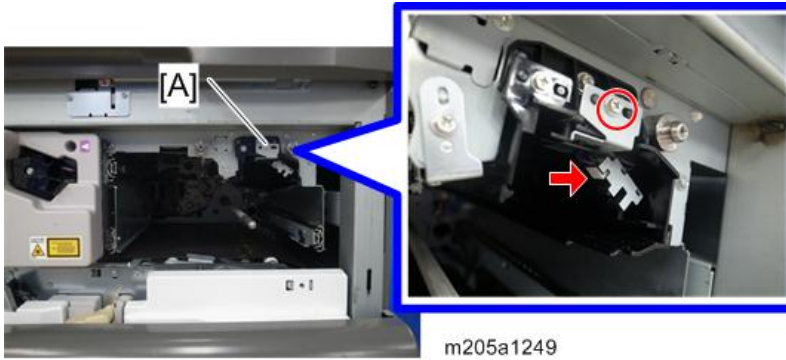
- Take care not to lose the spacer [A] on the screw.



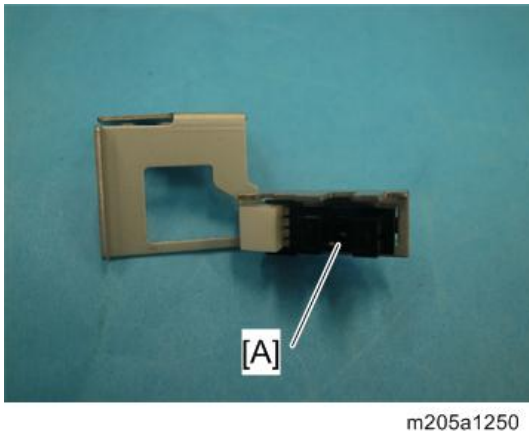
Cleaning Pad HP Sensor (K/C/M/Y)

1. Development unit (page 779)

2. Sensor bracket [A] (🔩 ×1, 📦 ×1)



3. Cleaning pad HP sensor [A]



Intermediate Transfer Belt Unit (ITB)

After replacement, adjust the image position by executing (b) and (e) in page 1447 "Adjusting the Image Position on Side 1".

ITB Unit (Service Position)

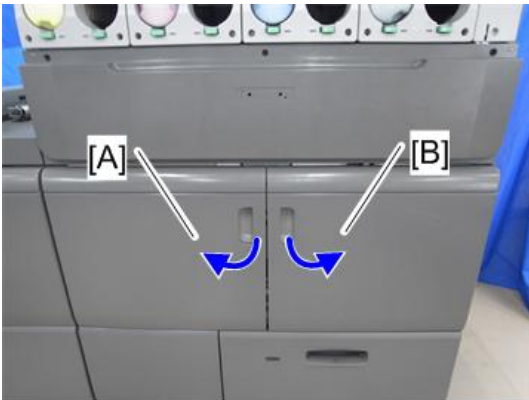
When replacing the parts of the ITB unit, pull the ITB unit out as far as the service position.

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



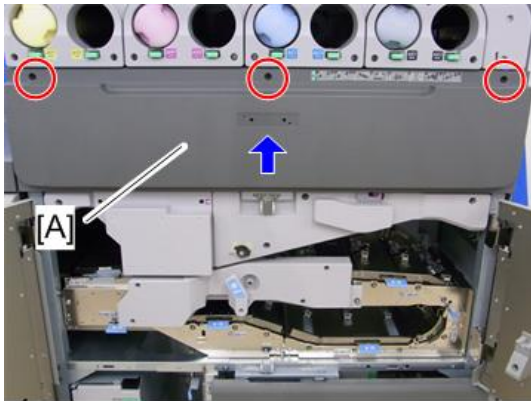
m205z5147

2. Open the left front door [A] and the right front door [B] of the imaging section.



m205z5214

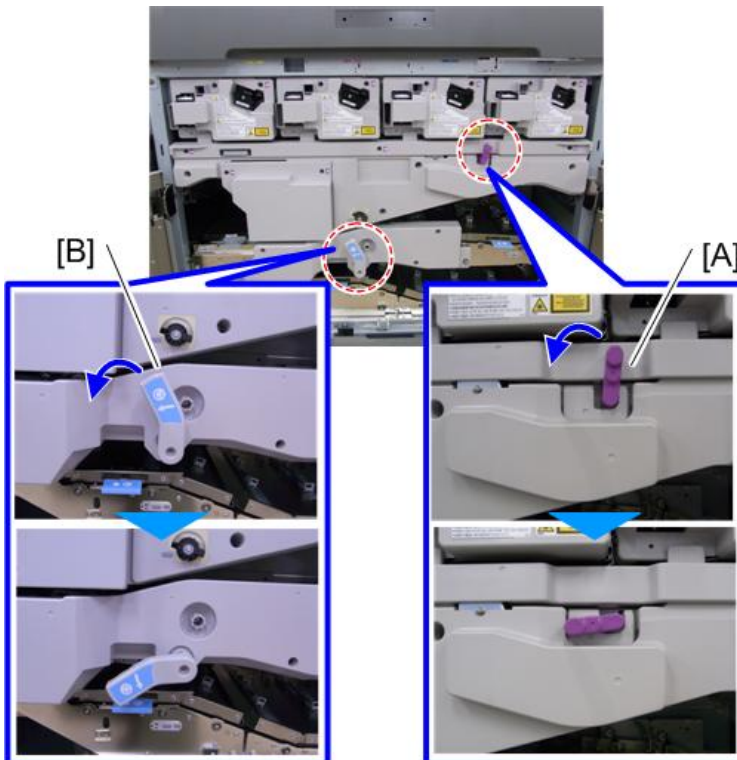
3. Lift the upper front cover [A] and remove it. (⚙️×3)



m205z5215

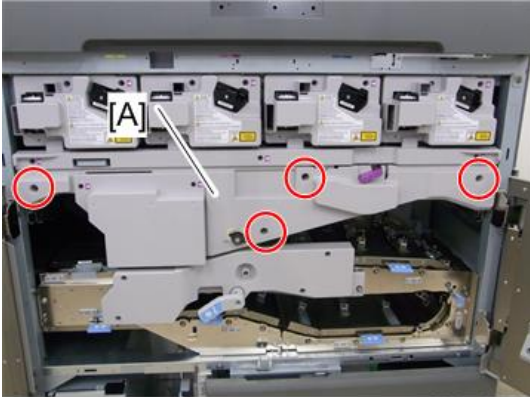
4

4. Rotate the release lever [A] and the handle [B] counter-clockwise and separate the ITB unit from the PCUs.



m205z5079

5. Inner cover [A] (Ⓜ×4)



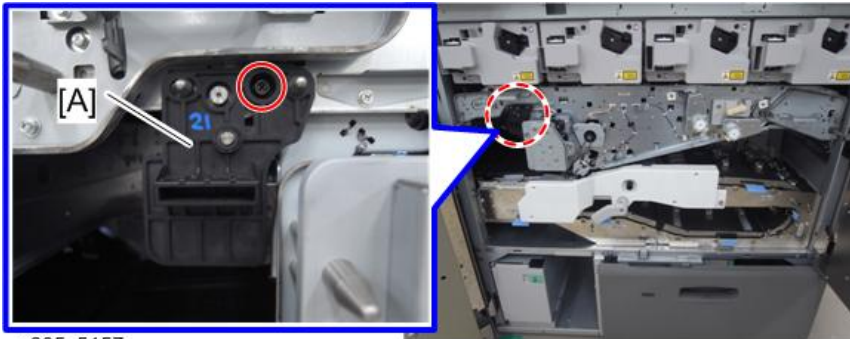
m205z5155

6. ITB cleaning unit [A] (Ⓜ×1) (page 853)



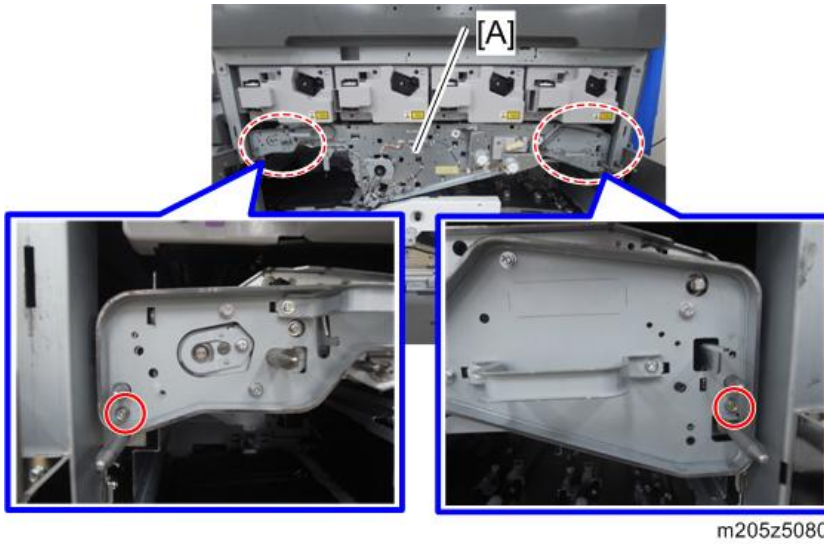
m205z5156

7. ITB lubrication unit [A] (Ⓜ×1) (page 846)

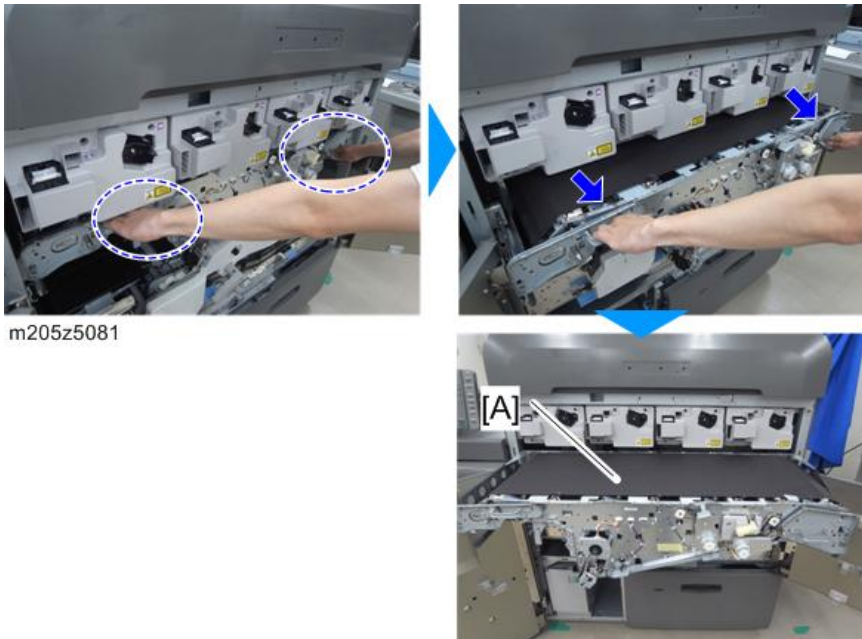


m205z5157

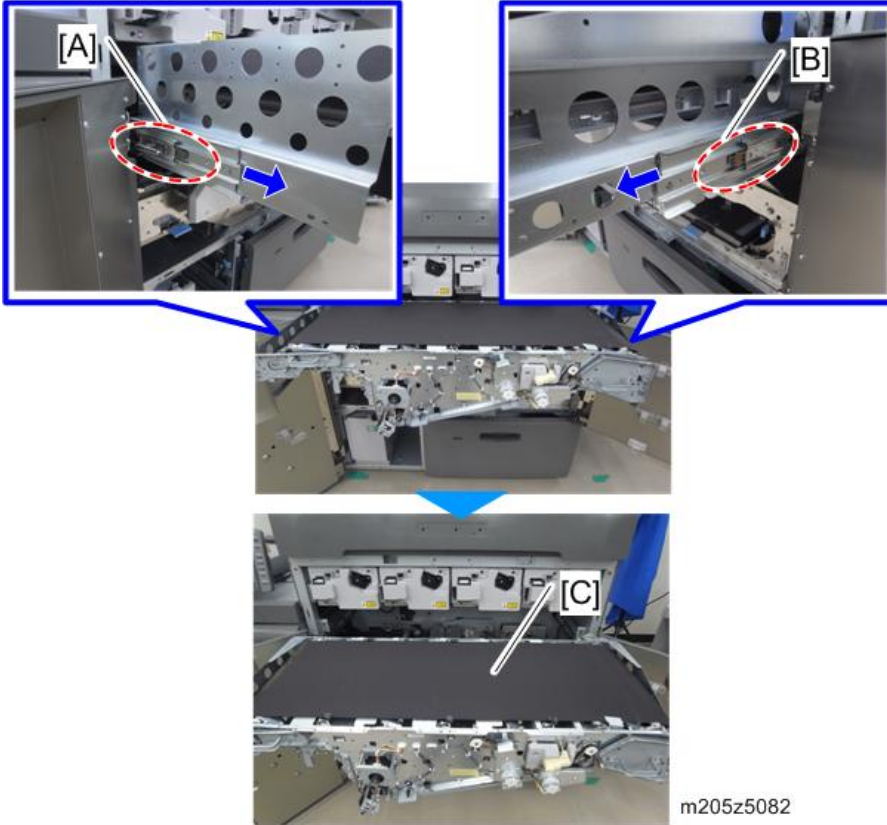
8. Remove the fixing screws of the ITB unit [A]. (⌀ ×2)



9. Hold the grips at the left and the right and withdraw the ITB unit [A].

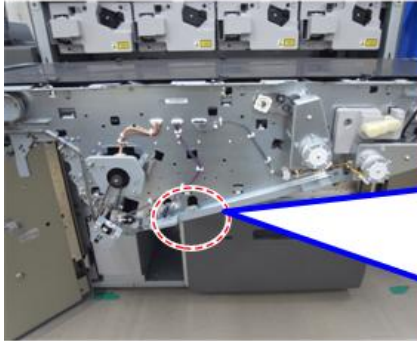


10. Press the release levers [A] and [B], and then pull the ITB unit [C] out forwards (service position).

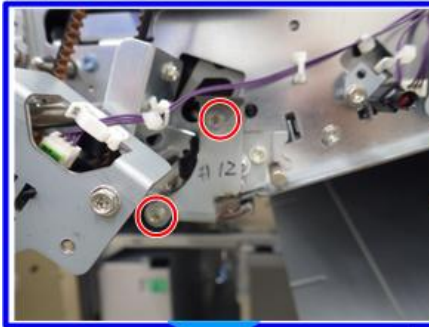


Intermediate Transfer Belt

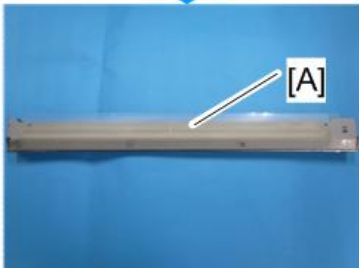
1. Withdraw the ITB unit to the service position. (page 798)

2. Lower cover [A] (🔩×1)

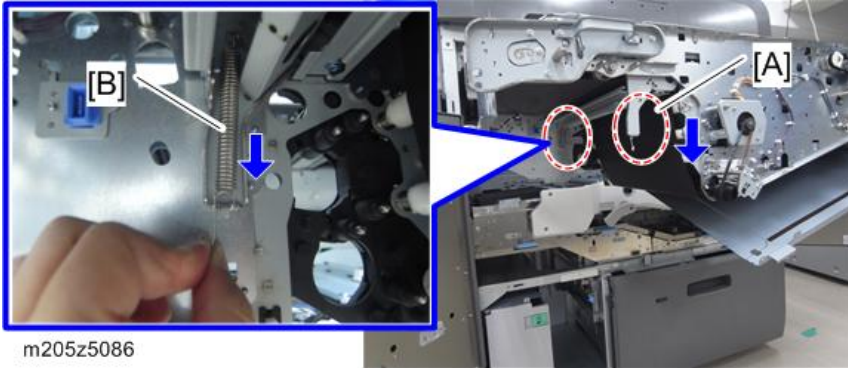
m205z5084

**3. Image transfer entrance guide plate [A] (🔩×2)**

m205z5085

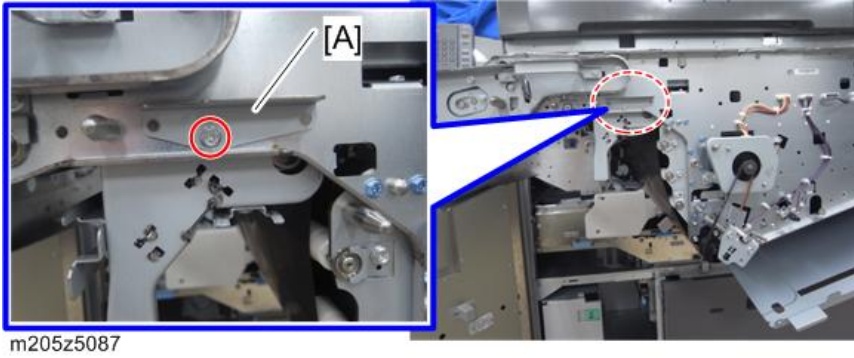


4. Tension spring (front) [A], tension spring (rear) [B]

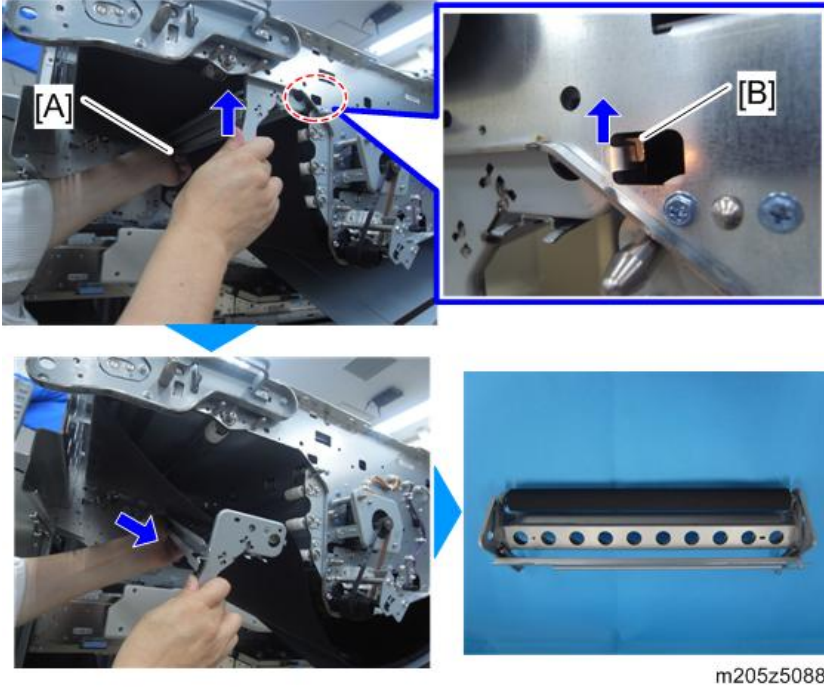


4

5. Tension frame positioning plate [A] (⊙ × 1)

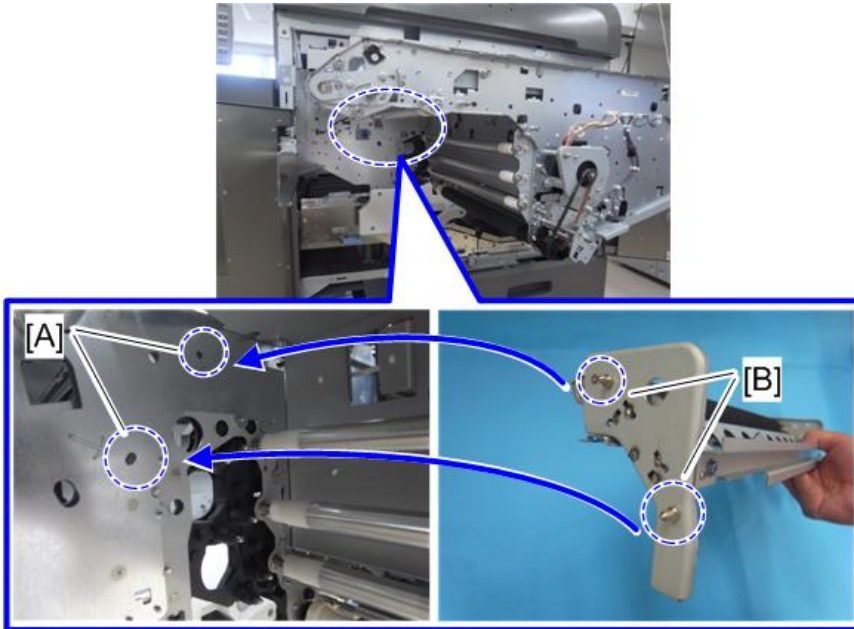


6. Lift the tension roller unit [A] slightly and remove the hook [B] on the front, and then remove the tension roller unit [A].



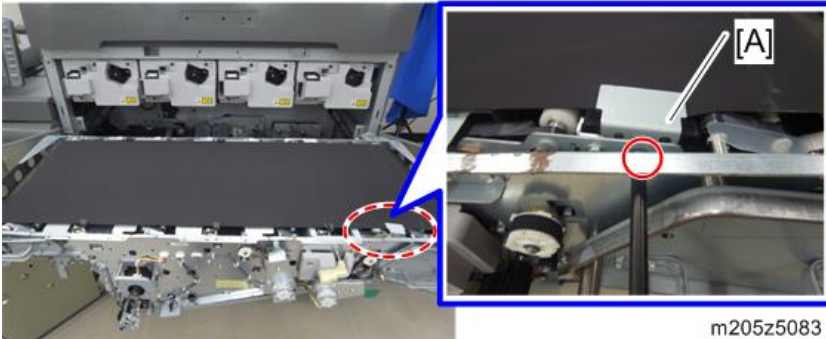
↓ **Note**

- When installing, set the shafts [B] of the tension roller unit into the inner holes [A] of the ITB unit.



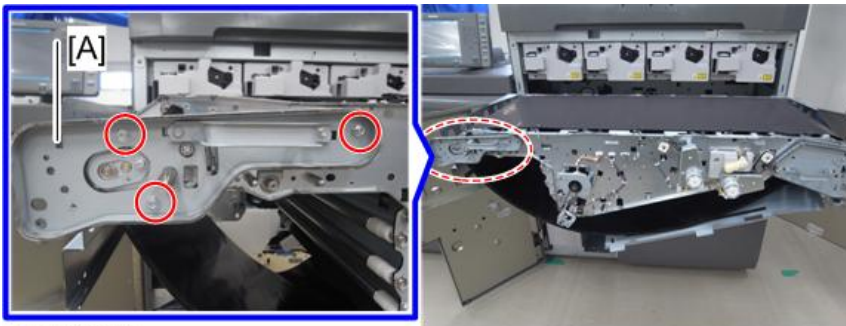
m205z5122

7. Remove the pressing plate [A] on the belt. (⚙️ ×1)



m205z5083

8. Left side plate [A] (⚙️ ×3)



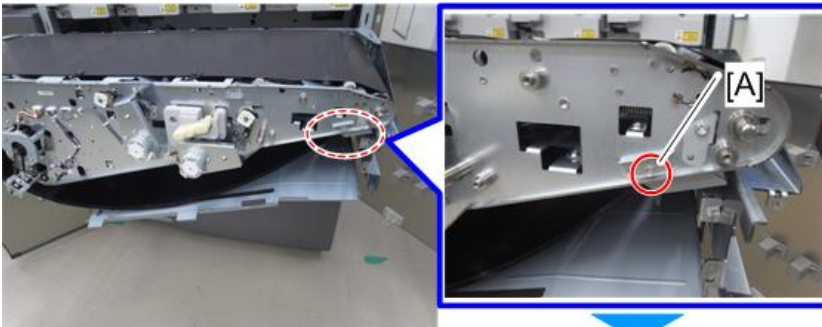
m205z5089

9. Right side plate [A] (⌀×3)



m205z5090

10. Sensor positioning plate [A] (⌀×1)

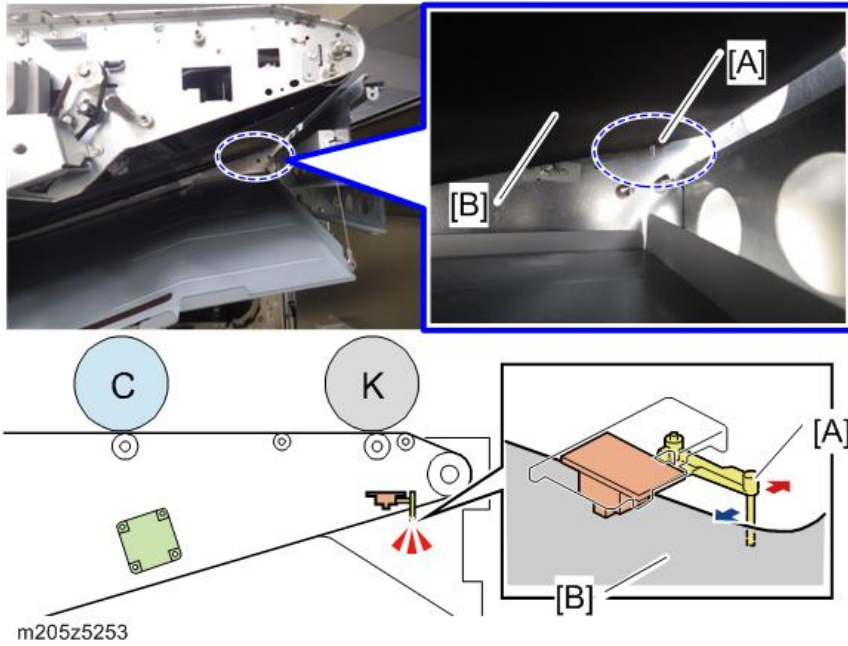


m205z5091

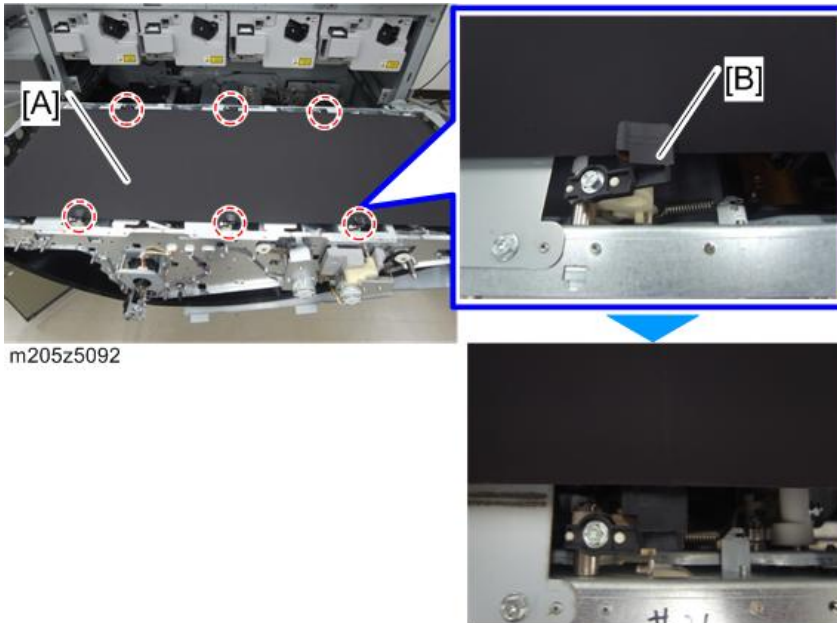


↓ Note

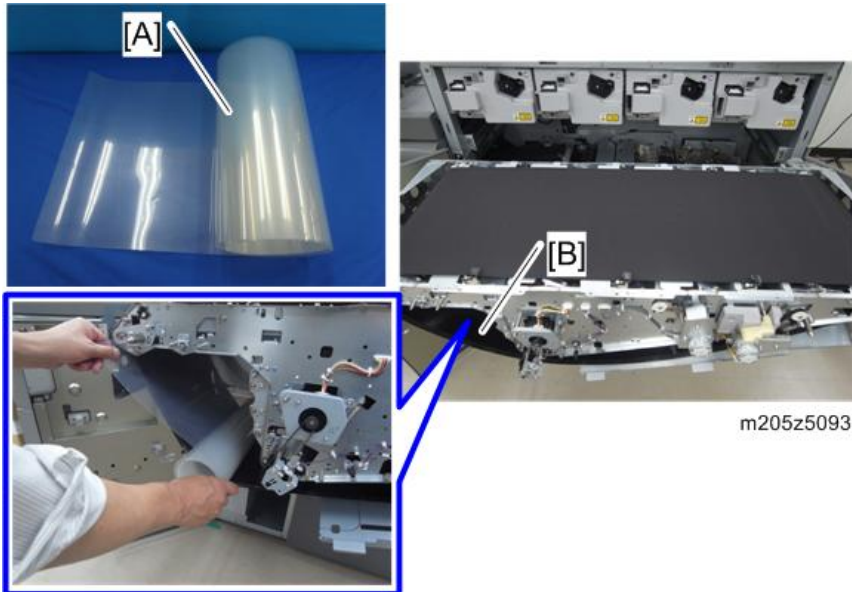
- When installing, check whether the pin [A] of ITB belt centering sensor does not ride over the intermediate transfer belt [B].



11. Place the intermediate transfer belt [A] on the belt curve pressing [B].

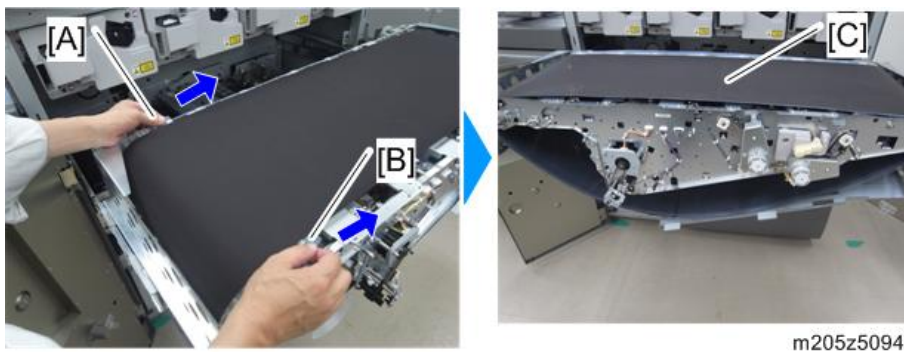


12. Place the protective sheet [A] provided with the main machine inside of the lower left part [B] of the ITB unit.



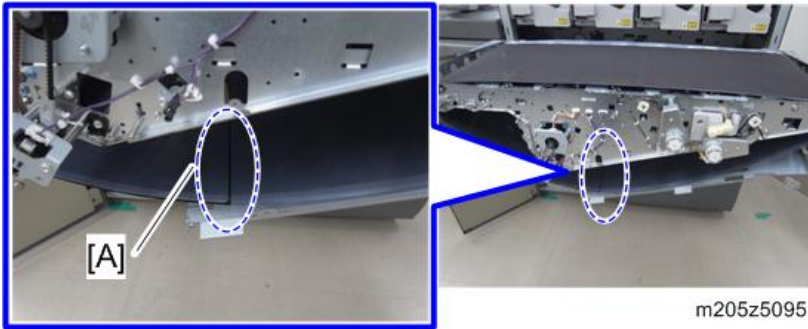
4

13. Hold both ends [A] and [B] of the protective sheet, and then wrap it around inside of the intermediate transfer belt [C] clockwise.



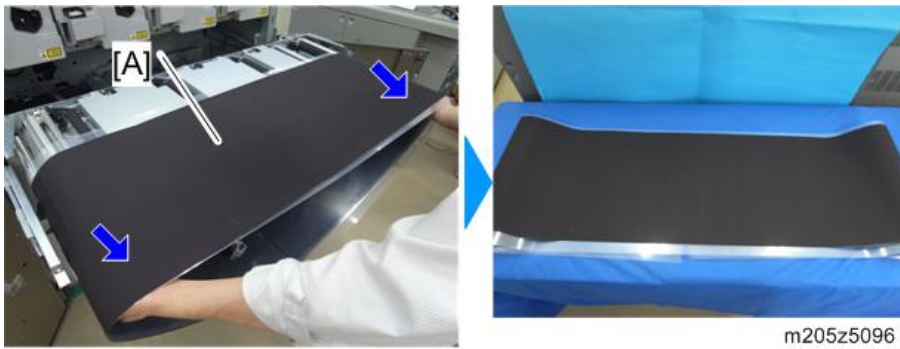
Note

- When the protective sheet is wrapped around the intermediate transfer belt, the seam [A] comes to the bottom.



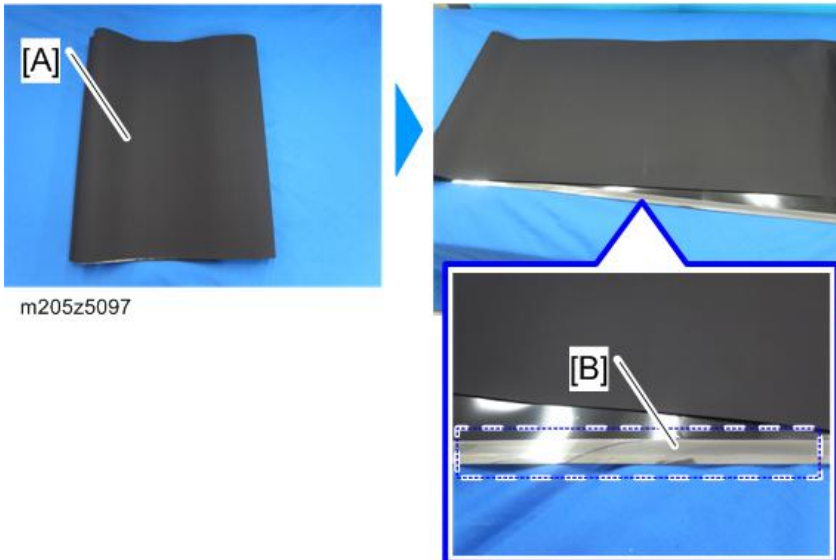
14. Put your hands into the protective sheet and remove intermediate transfer belt [A].

4

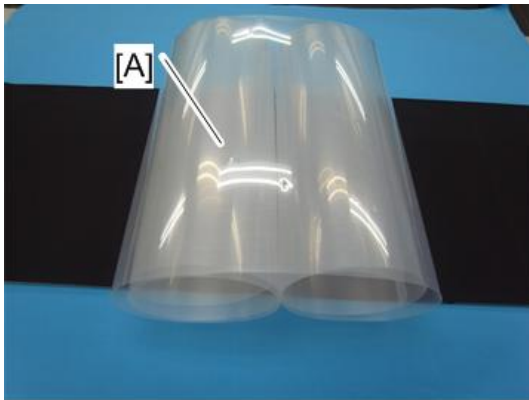


Installing the Intermediate Transfer Belt

1. Spread the intermediate transfer belt [A] and confirm that glossy tape [B] is on the front.



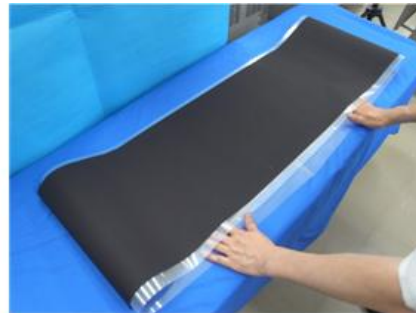
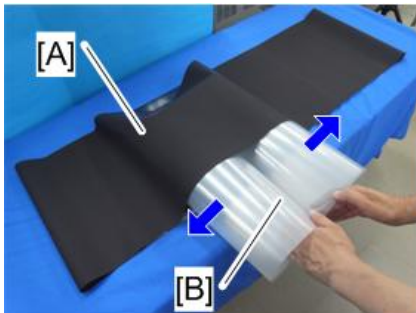
2. Make two loops in the protective sheet [A].



m205z5098

4

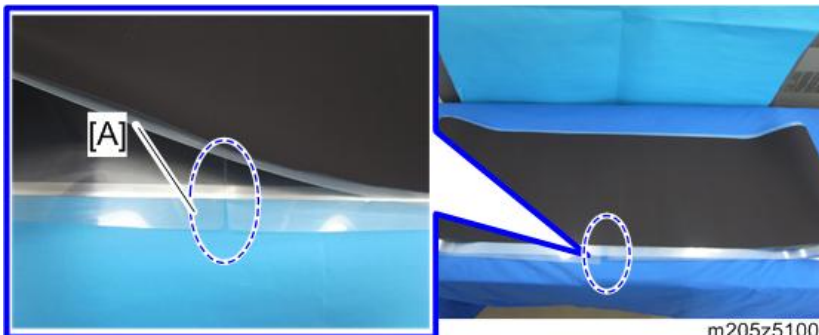
3. Place the protective sheet [B] inside the intermediate transfer belt [A] and spread it to the left and right.



m205z5099

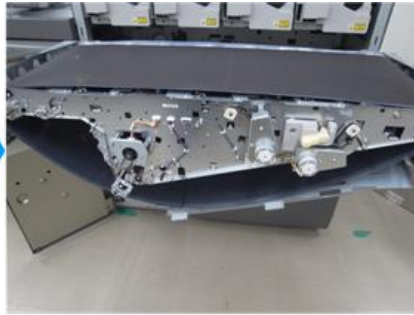
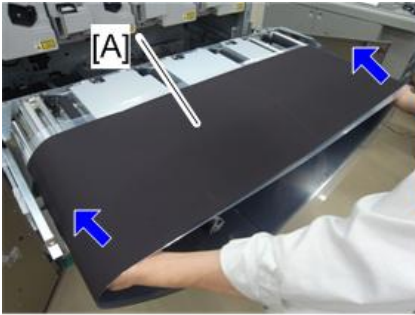
↓ Note

- The seam [A] of the protective sheet comes to the bottom.



m205z5100

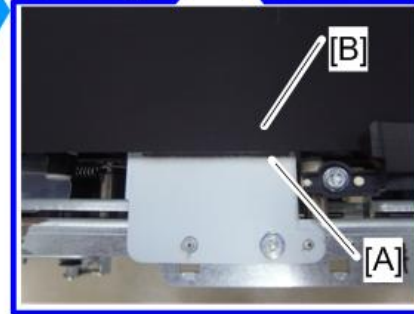
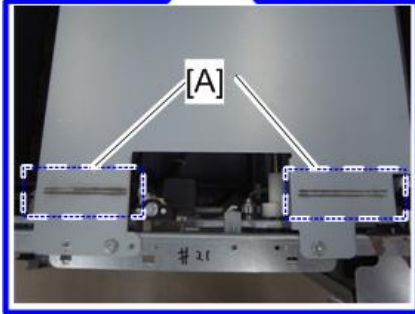
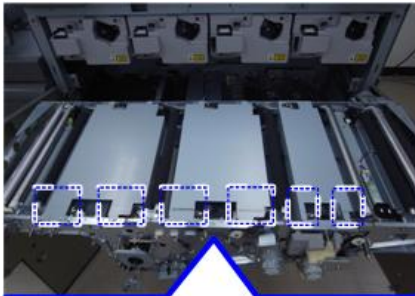
- Put your hands into the protective sheet and install the intermediate transfer belt [A].



m205z5101

4

- Be careful not to touch the intermediate transfer belt, and remove the protective sheet.
- Set the front edge of the belt [B] to the two lines (belt set position) [A] printed on the stay.



m205z5102

7. Place the intermediate transfer belt [A] under the belt curve pressing [B].



m205a4186

Place the edges of the intermediate transfer belt between the two lines etched into the belt curve pressing.

4



m205a4187

Do not place the intermediate transfer belt above the belt curve pressing.



m205a4188

Adjustment after replacing the Intermediate Transfer Belt

After replacing the intermediate transfer belt, adjust the SP settings by referring to the procedures below.

Adjusting the Initialize Belt Position (Adjusting the Initialize Steering Control Roller Position)

1. Execute SP2-920-001 (Initialize Belt Position).
2. Check the value of SP2-920-002 (Stable Position of Steering Roller).

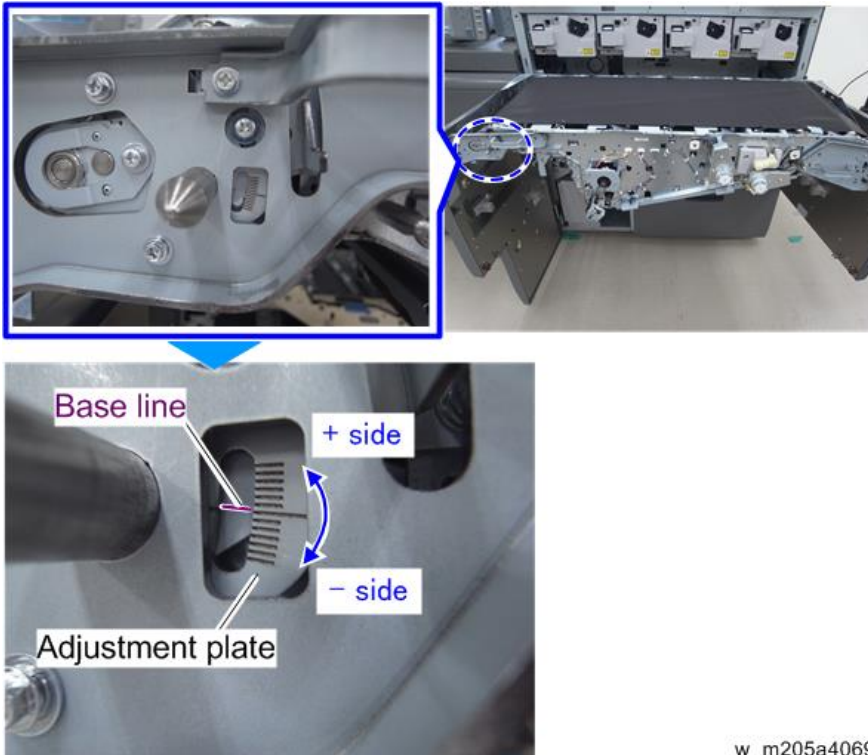
If the SP value is within ± 21 steps, adjustment is finished. Go to "Adjusting the light intensity of the ITB Belt Speed Sensor".

If the SP value is under -21 steps or over $+21$, adjust the adjusting plate using the following procedure.

4

Adjusting the Adjusting Plate

Adjust the position of the adjusting plate depending on the value of SP2-920-002 (Stable Position of Steering Roller). The procedure is given after the following table.

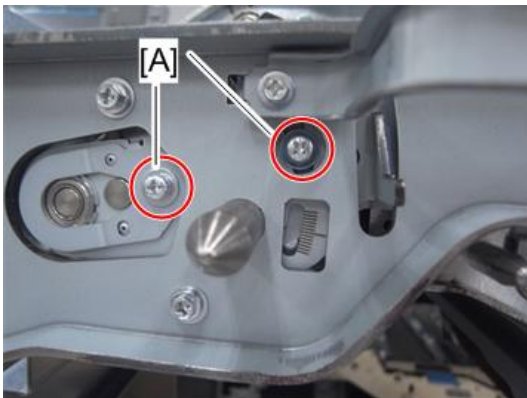


w_m205a4069

SP2-920-002 (Stable Position of Steering Roller)	Number of divisions on the scale to move	Remarks
More than +150	-6 divisions	Align the base line with the division line on the scale (adjust in the direction of “-side” in the following diagram).
+121 to +150	-5 divisions	
+96 to +120	-4 divisions	
+71 to +95	-3 divisions	
+46 to +70	-2 divisions	
+21 to +45	-1 divisions	
-20 to +20	No need to adjust (the value is within the target range)	
-45 to -21	+1 divisions	Align the base line with the division line on the scale (adjust in the direction of “+side” in the following diagram).
-70 to -46	+2 divisions	
-95 to -71	+3 divisions	
-120 to -96	+4 divisions	
-150 to -121	+5 divisions	
Less than -150	+6 divisions	

4

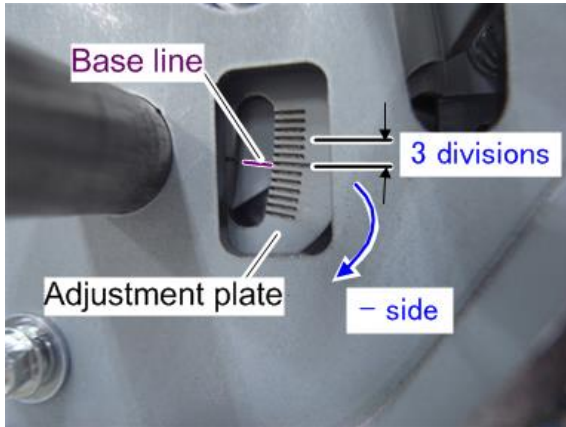
1. Loosen two screws [A].



m205z5182a

2. Refer to the table above, move the adjustment plate. (Use the base line to measure the number of divisions to move the plate)

For example, if SP2-920-002 is +90, move -3 divisions. Move the adjustment plate 3 divisions towards the -side.



w_m205a4070

3. Execute SP2-920-001 (Initialize Belt Position) and check the value of SP2-920-002 (Stable Position of Steering Roller) again.

↓ Note

- If an SC occurs during the adjustment, do the procedures according to each SC.
- If you cannot move the scale of the adjusting plate to the maximum position, there may be a problem with the machine. Confirm the following.
 - The machine is leveled appropriately.
 - The belt pressing part at the edge of the ITB Cleaning Unit is not raised or curled.
 - There is no problem (example: the roller is inclined to the front or rear) with the ITB Lift device which is inside the ITB unit.

Adjusting the light intensity of the ITB Belt Speed Sensor

1. Execute SP2-912-001 (light intensity adjustment: execute).
2. Check that the value of SP2-912-002 (result of light intensity adjustment) is "1" (executed normally).

If you see any other numbers, the sensor may be damaged.

ITB Belt Speed Sensor Initialization

Be sure to achieve the ITB Belt Speed Sensor initialization after adjusting the light intensity.

1. Set the value of SP2-914-003 (normal phase display/setting) to "0".
2. Execute SP2-914-001 (achieving normal line speed: execute).

3. Confirm that the value of SP2-914-003 is updated.

If the value is still "0", it is not normally finished. Execute SP2-914-001 again.

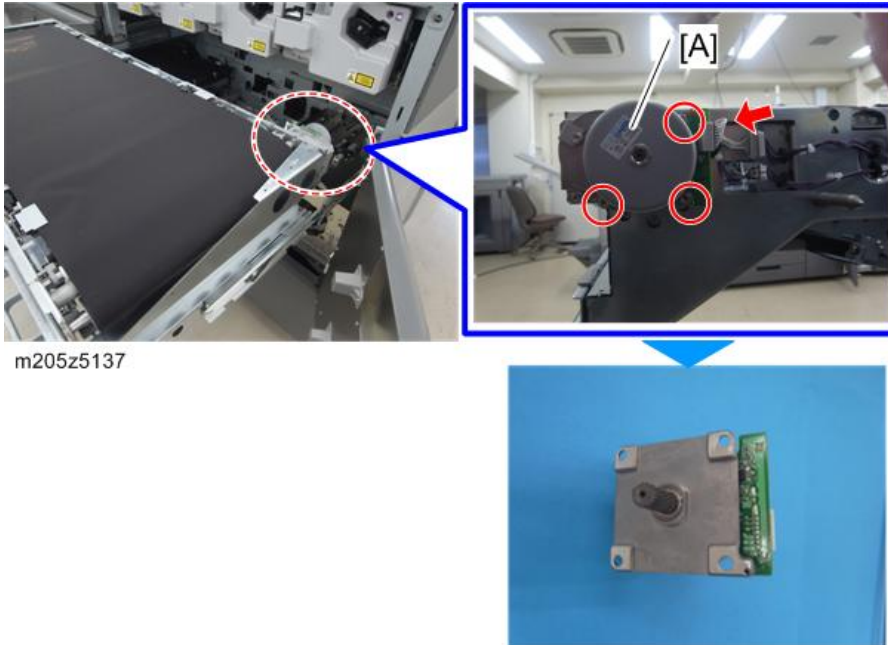
If the value does not be updated, the sensor may be damaged.

Force color adjustment (MUSIC (mode d))

1. Execute SP2-111-004 (MUSIC (mode d)) after executing the sequences above.

ITB Motor

1. Withdraw the ITB unit to the service position. (page 798)
2. ITB motor [A] (⊕ ×3, ⊞ ×1)



ITB Motor Rotation Sensor

1. ITB motor (page 817)

2. Bracket [A] (🔩×4)

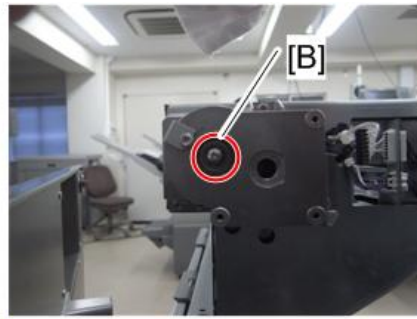
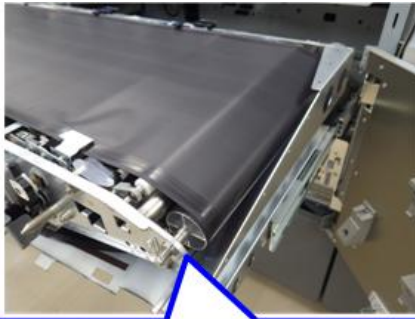


m205z5143

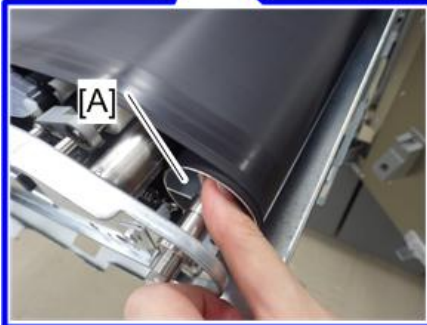
4

⬇ Note

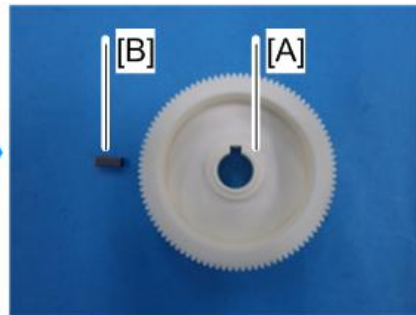
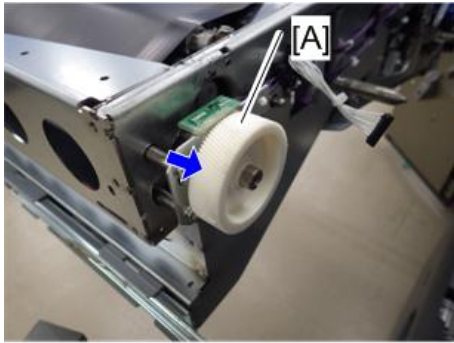
- When removing the screw [B], hold the drive roller [A] so that it does not rotate.



m205z5232



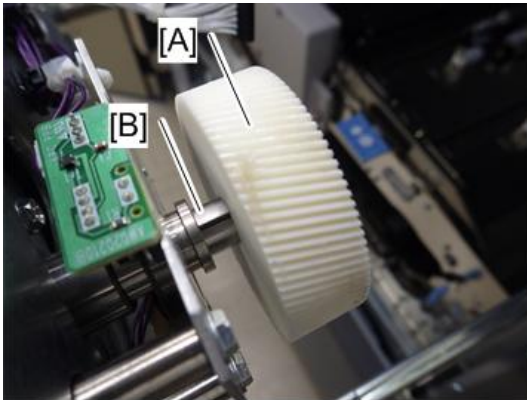
3. Gear [A], Pin [B]



m205z5144

↓ Note

- When removing the gear [A], be careful not to drop the pin [B].

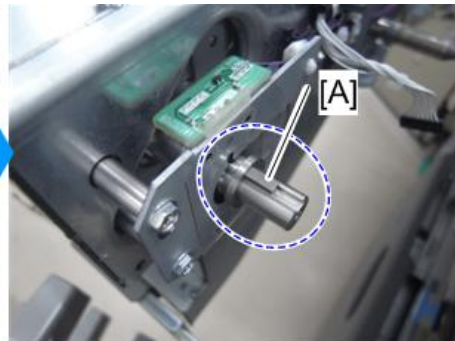


m205z5149

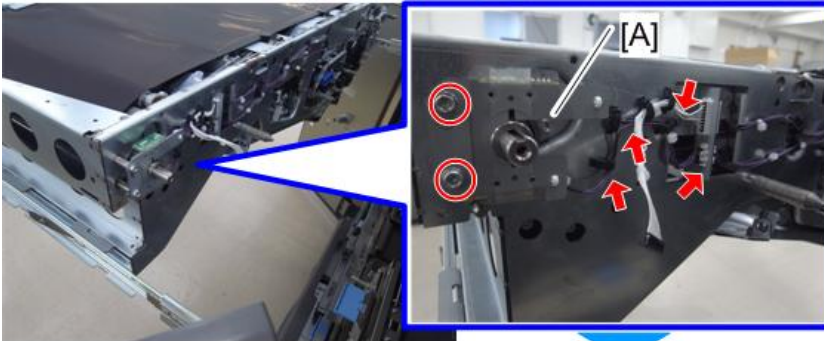
- When installing the gear, confirm that the pin [A] is fit into the groove.



m205z5150



4. Remove the ITB motor rotation sensor [A] with the bracket. (⚙️ x2, 🛠️ x3, 📦 x1)

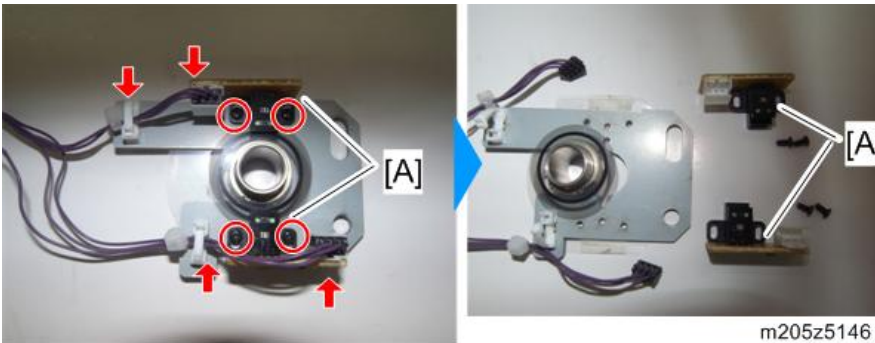


m205z5145



4

5. ITB motor rotation sensor [A] (each ⚙️ x2, 🛠️ x1, 📦 x1, rivet x2)

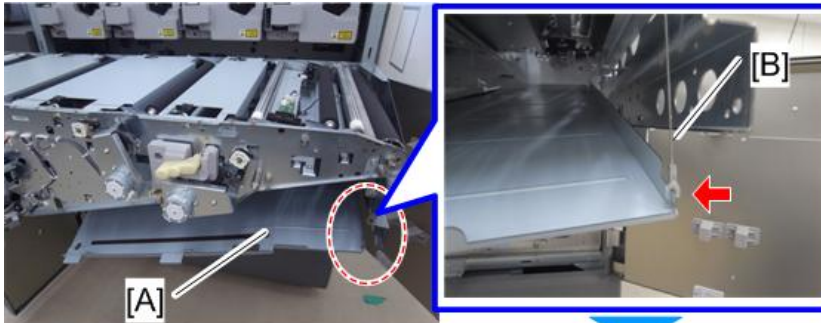


m205z5146

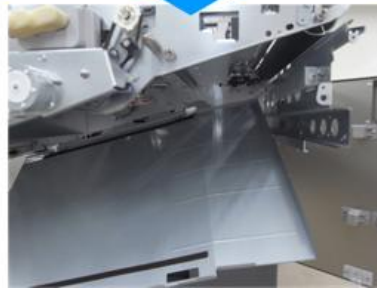
ITB Belt Centering Sensor

1. Intermediate transfer belt (page 802)

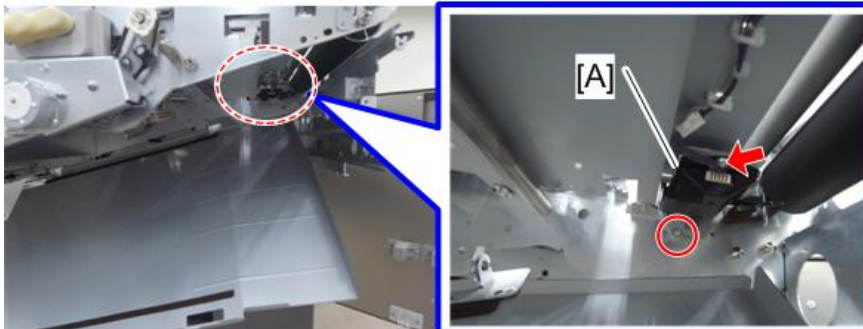
2. Remove wire [B] of the lower cover [A].



m205z5138



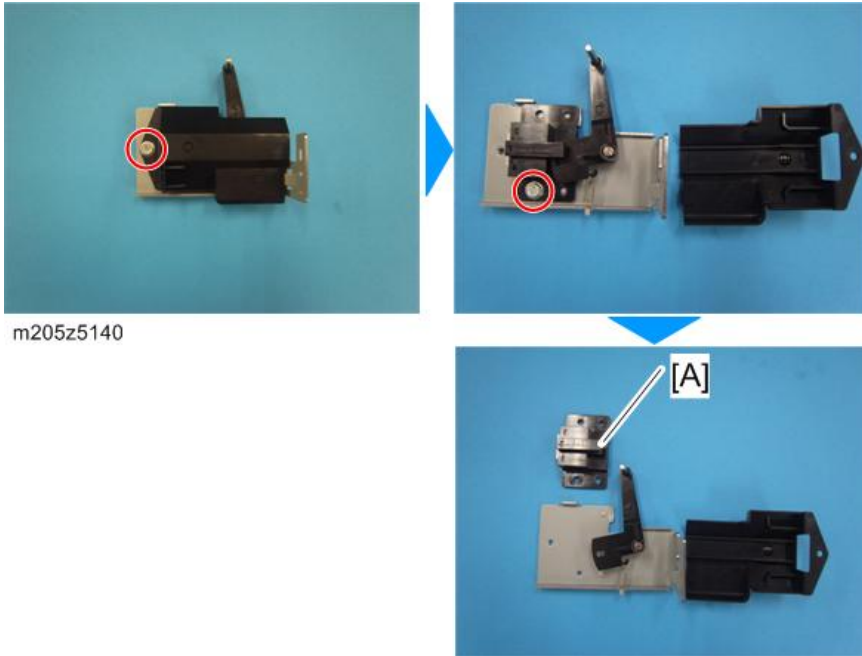
3. Remove the ITB belt centering sensor [A] with the bracket. (⚙️ ×1, 📦 ×1)



m205z5139



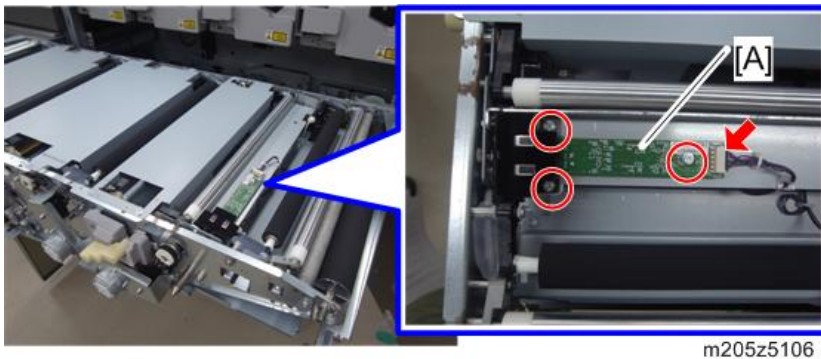
4. ITB belt centering sensor [A] (⊕ ×2)



4

ITB Belt Speed Sensor

- 1. Intermediate Transfer Belt (page 802)
- 2. ITB belt speed sensor [A] (⊕ ×3, ⊞ ×1)



Adjustment after replacing the ITB belt speed sensor

After replacing the ITB belt speed sensor, adjust the SP settings by referring to the procedures below.

Adjusting the light intensity of the ITB Belt Speed Sensor

1. Execute SP2-912-001 (light intensity adjustment: execute).
2. Check that the value of SP2-912-002 (result of light intensity adjustment) is "1" (executed normally).

If you see any other numbers, the sensor may be damaged.

ITB Belt Speed Sensor Initialization

Be sure to do the ITB Belt Speed Sensor initialization after adjusting the light intensity.

1. Set the value of SP2-914-003 (normal phase display/setting) to "0".
1. Execute SP2-914-001 (achieving normal line speed: execute).
2. Confirm that the value of SP2-914-003 is updated.

If the value is still "0", it is not finished correctly. Execute SP2-914-001 again.

If the value is notw updated, the sensor may be damaged.

Force color adjustment (MUSIC (mode d))

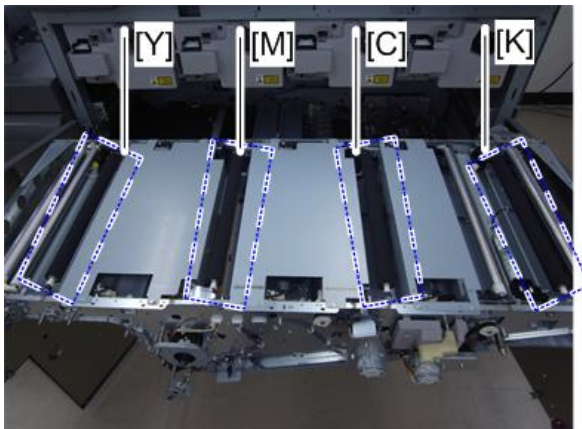
1. Execute SP2-111-004 (MUSIC (mode d)) after executing the sequences above.

Image Transfer Roller (KCMY)

★ Important

- When removing and replacing the image transfer roller (KCMY), do not touch the roller surface by hands.

Layout of the image transfer roller (KCMY)

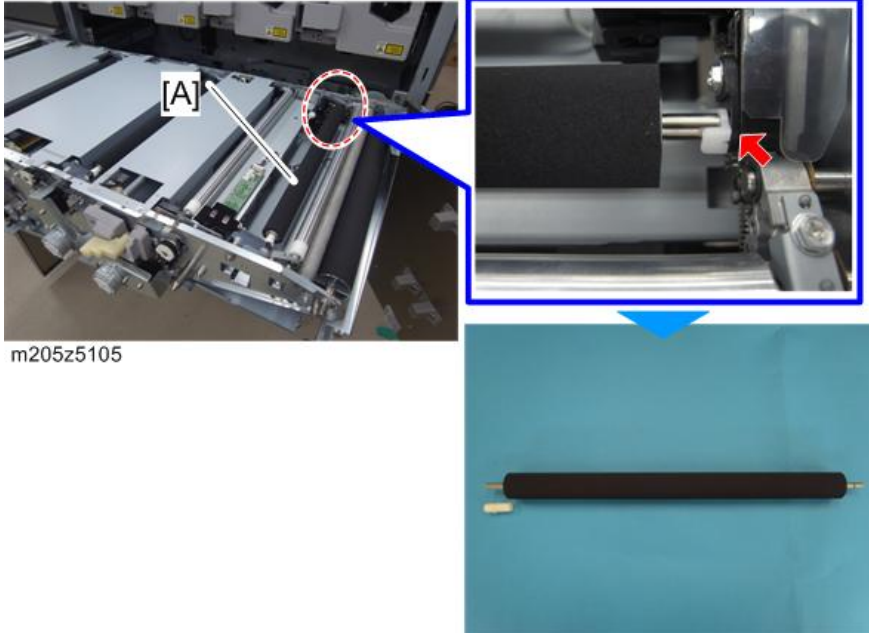


m205z5104

1. Intermediate transfer belt (page 802)

2. Image transfer roller (KCMY) [A] (1x1)

Example below: K



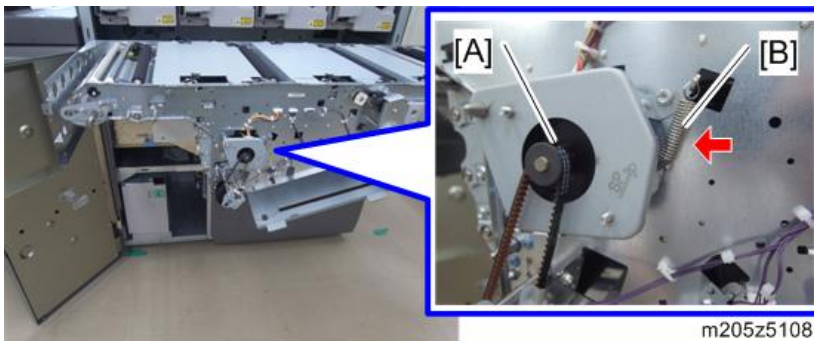
4

Paper Transfer Bias Roller

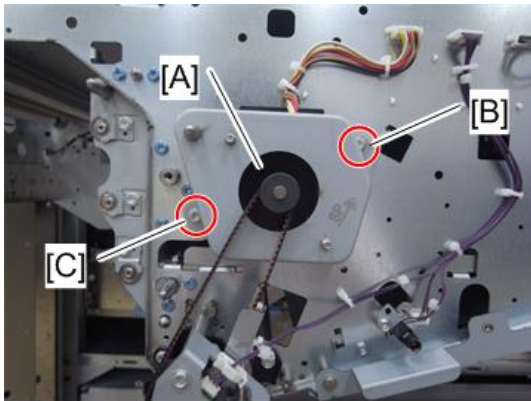
★ Important

- When removing and replacing the paper transfer bias roller, do not touch the roller surface by hands.

1. Intermediate transfer belt (page 802)
2. Remove the tension spring [B] of the PTR lift sensor [A].



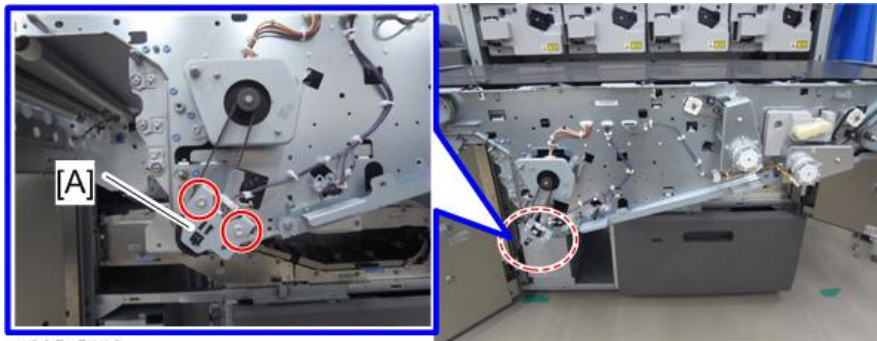
3. Remove the fixing screw [B] of the PTR lift sensor [A]. Fasten the fixing screw [C].



m205z5109

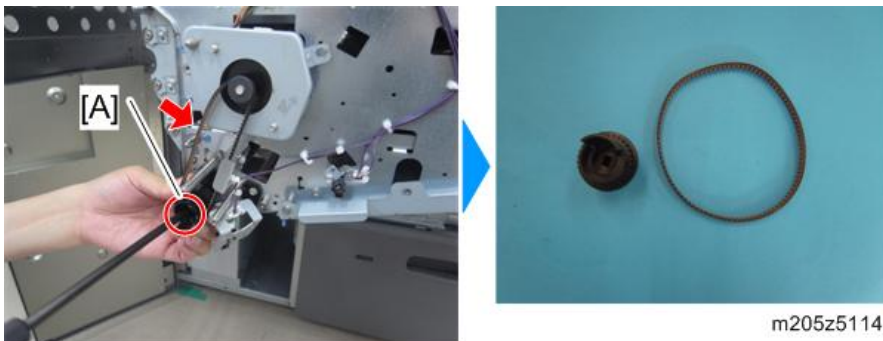
4

4. Sensor bracket [A] (🔩×2)



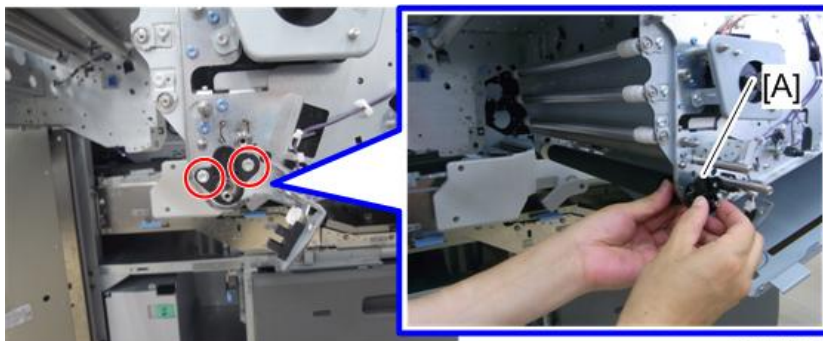
m205z5110

5. Remove the pulley [A] by attaching a hand. (🔩×1, 🌀×1)



m205z5114

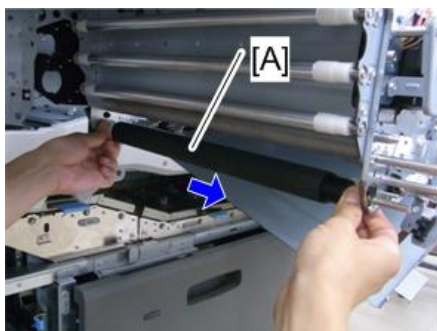
6. Remove the folder [A] (including bearing). (S) ×2



m205z5216

4

7. Paper transfer bias roller [A]

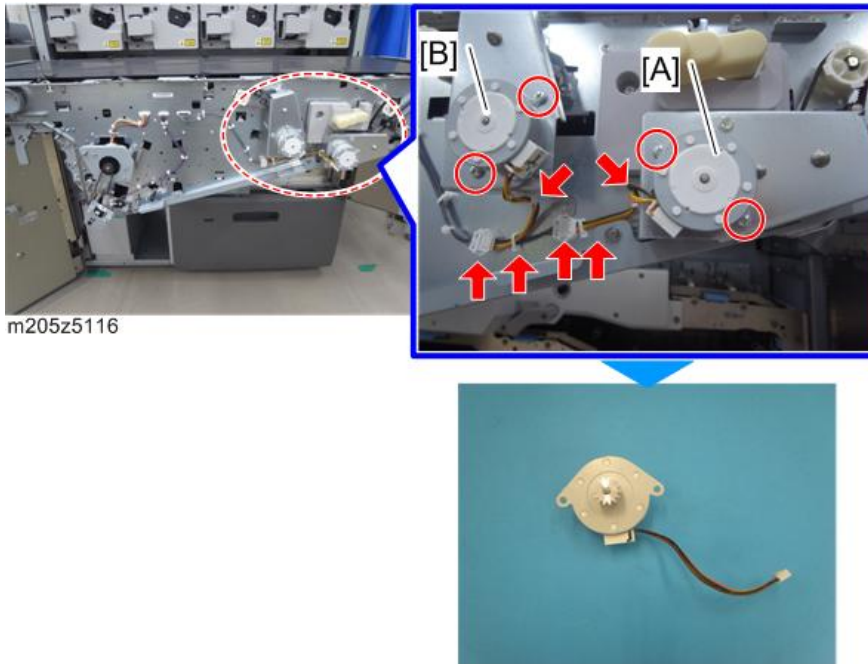


m205z5217

ITB Black Lift Motor/ITB Color Lift Motor


1. Intermediate transfer belt (page 802)

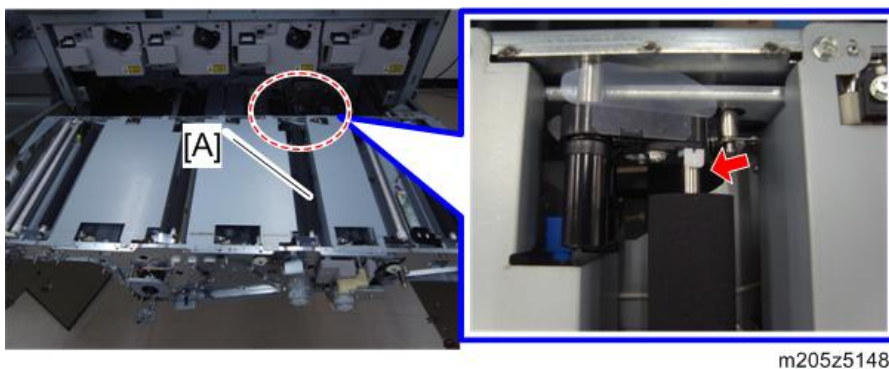
2. ITB black lift motor [A] and ITB color lift motor [B] (each  ×2,  ×2,  ×1)



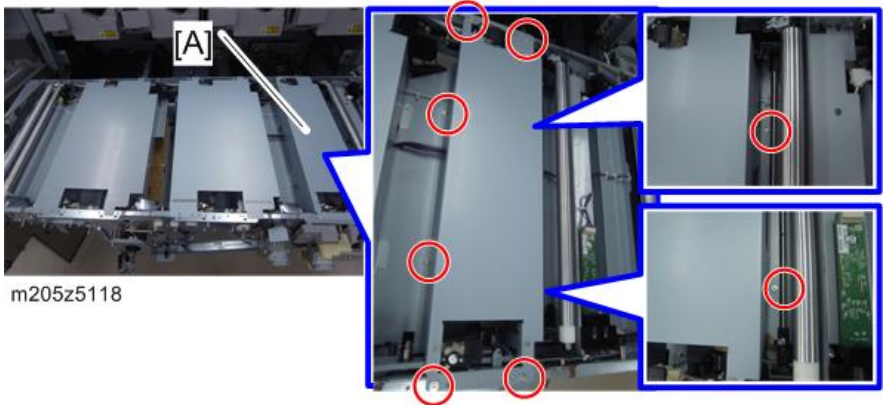
4

ITB Black Lift Sensor

1. Intermediate transfer belt (page 802)
2. Image transfer roller (C) [A] ( ×1)



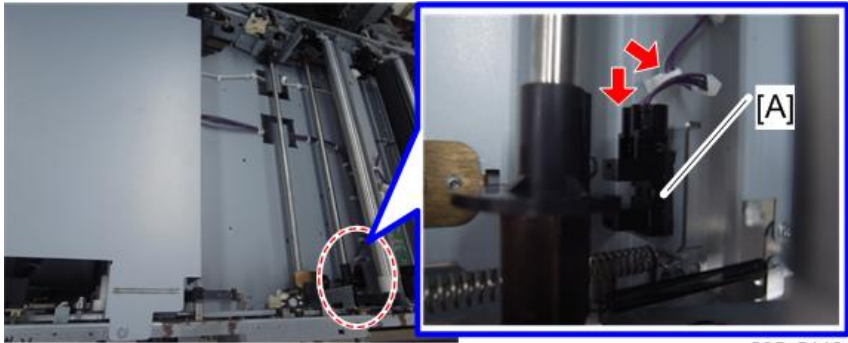
3. First upper stay [A] (Ⓜ×8)



m205z5118

4

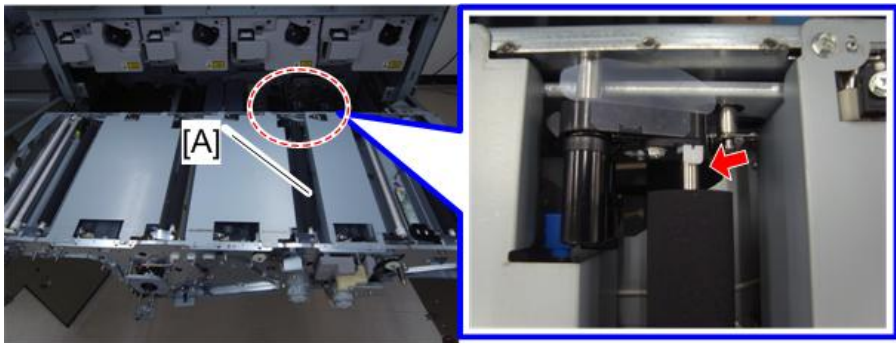
4. ITB black lift sensor [A] (Ⓜ×1, Ⓜ×1)



m205z5119

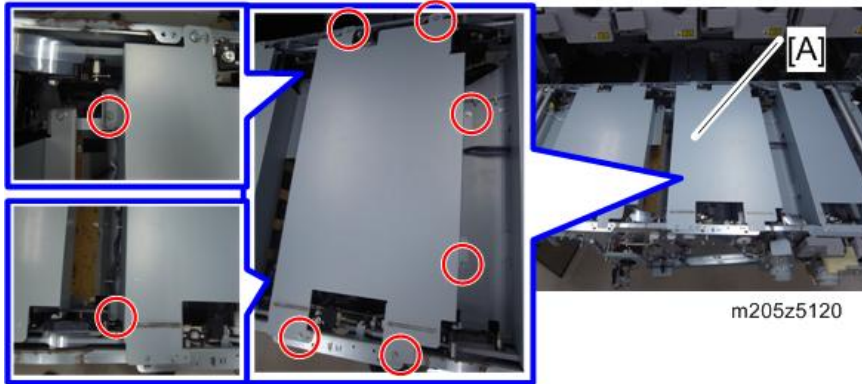
ITB Color Lift Sensor

- 1. Intermediate transfer belt (page 802)
- 2. Image transfer roller (C) [A] (Ⓜ×1)

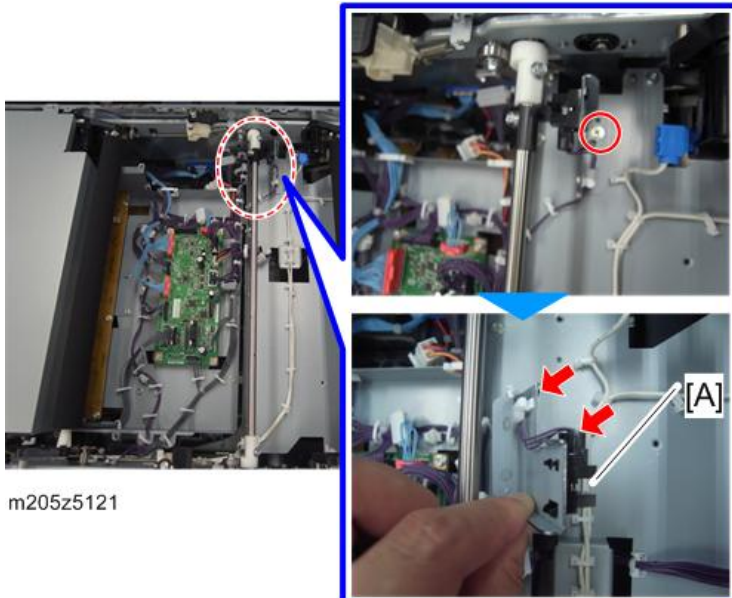


m205z5148

3. Second upper stay [A] (⊙ × 8)



4. ITB color lift sensor [A] (⊙ × 1, ⊞ × 1)

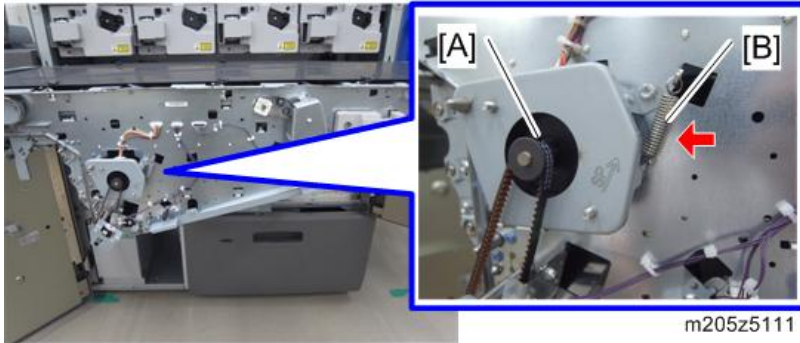


4

PTR Lift Motor

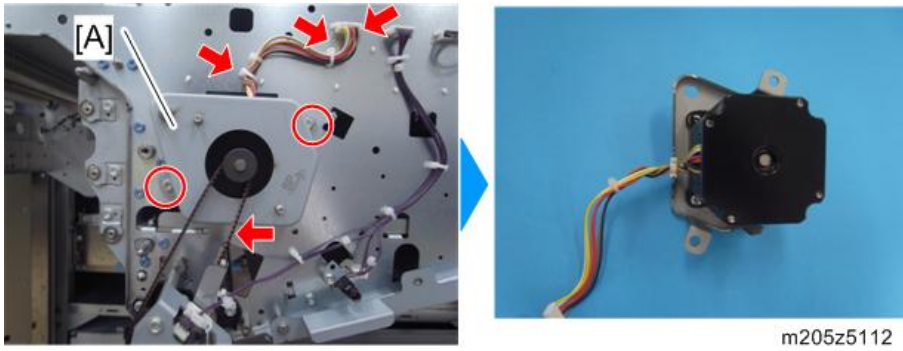
1. Withdraw the ITB unit to the service position. (page 798)

2. Remove the tension spring [B] of the PTR lift motor [A].

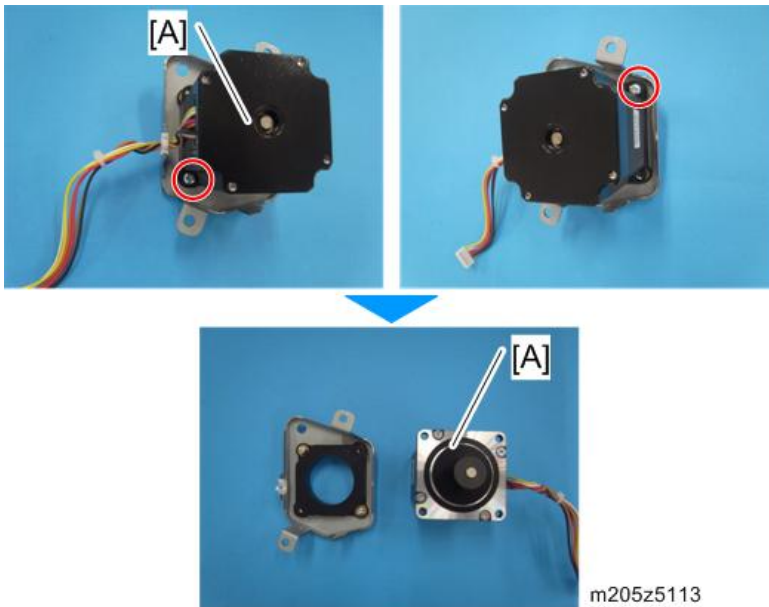


4

3. Remove PTR lift motor [A] with the bracket. (⚙️ x2, ⚙️ x2, 📦 x1, 🌀 x1)

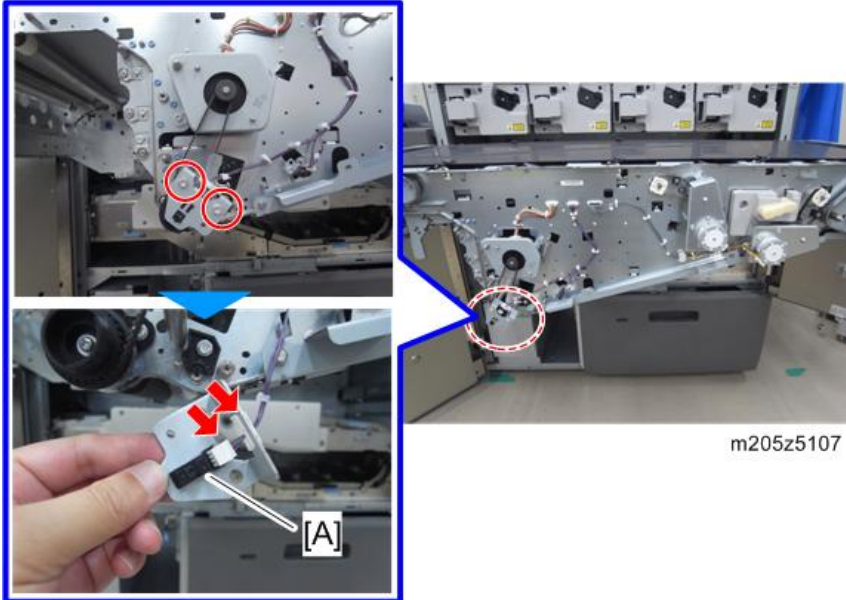


4. PTR lift motor [A] (⚙️ x2)



PTR Lift Sensor

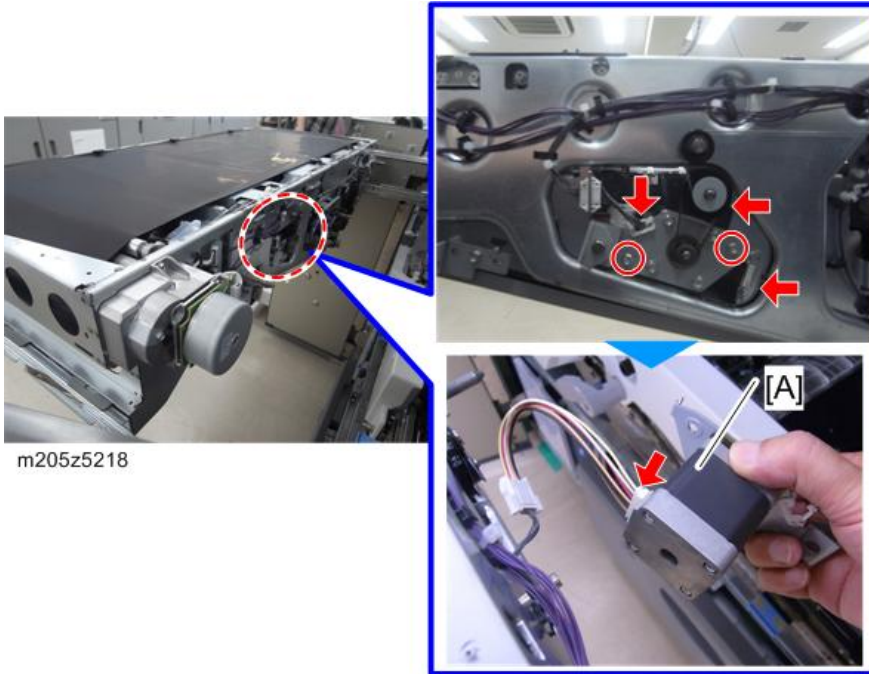
1. Intermediate transfer belt (page 802)
2. PTR lift sensor [A] (🔩×2, 🛠️×1, 📦×1)



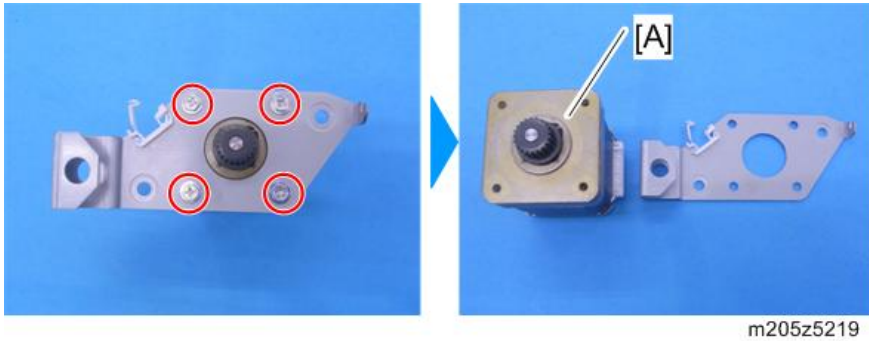
ITB Belt Centering Motor

1. Withdraw the ITB unit to the service position. (page 798)

2. Remove the ITB belt centering motor [A] along with the bracket from the rear side of the ITB unit. (⚙️×2, ⚙️×1, ⚙️×1, ⚙️×1, 📦×1)

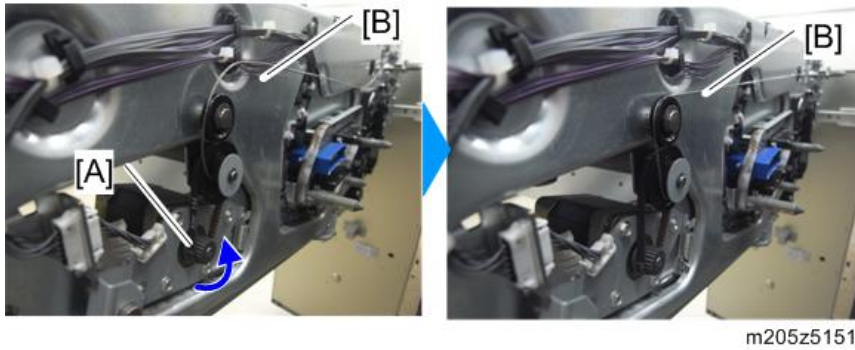


3. Remove the ITB belt centering motor [A] from the bracket. (⚙️×4)



↓ Note

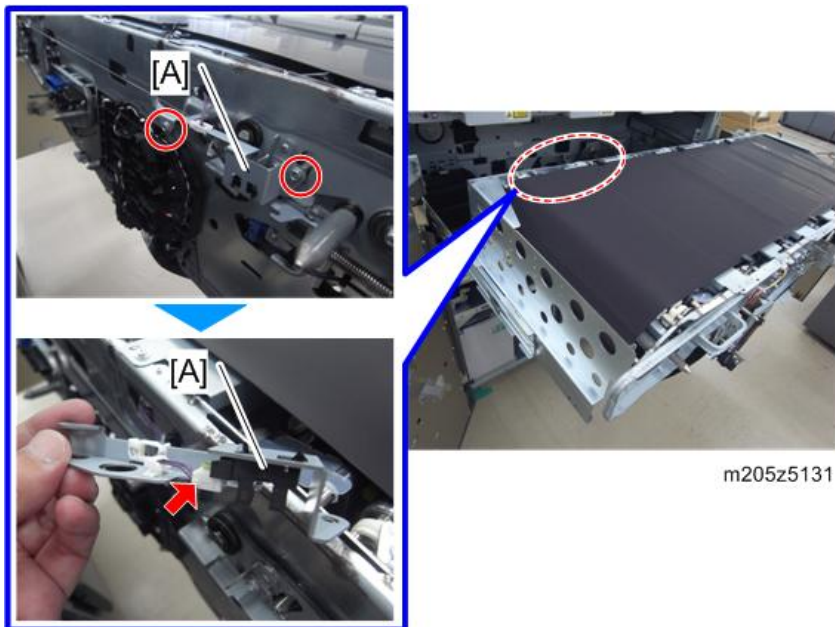
- When installing the motor, rotate the motor [A] counter-clockwise to remove the slack of wire [B].



ITB Belt Centering Roller Sensor

4

1. Intermediate transfer belt (page 802)
2. Remove the ITB belt centering roller sensor [A] from the rear side of the ITB unit. (🔑×2, 📦×1)

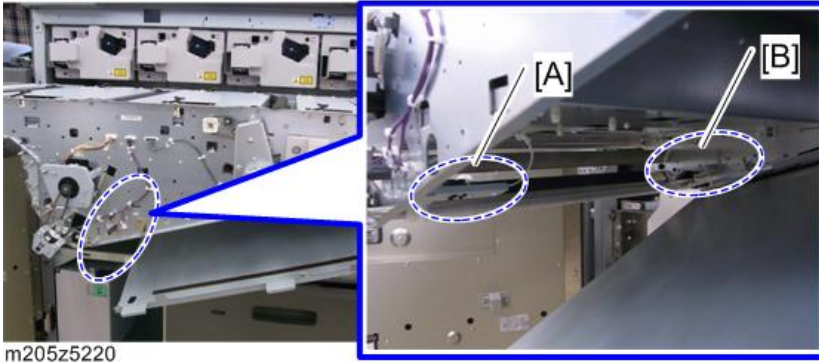


ITB Belt Overrun Sensor (Front/Rear)

Layout of the ITB Belt Overrun Sensor (Front/Rear)

[A]: ITB Belt Overrun Sensor (Front)

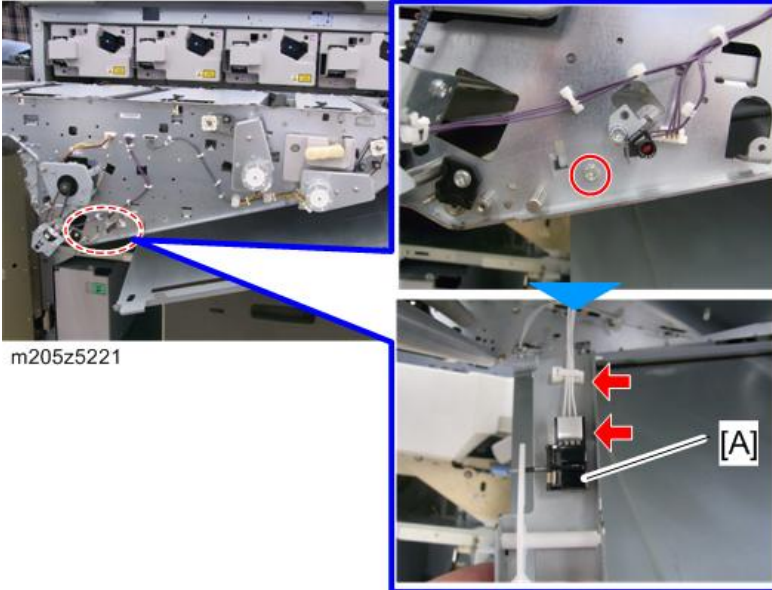
[B]: ITB Belt Overrun Sensor (Rear)



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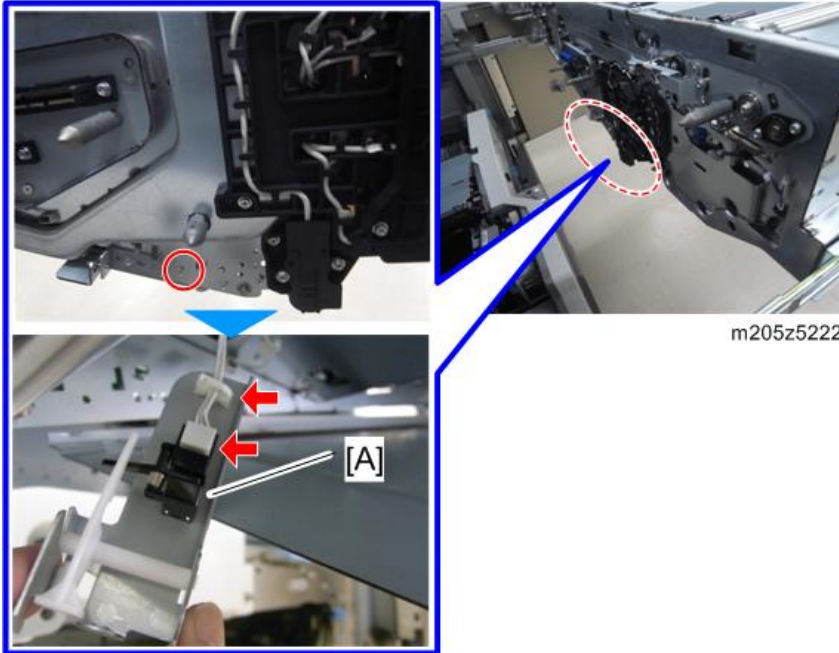
4

1. Intermediate transfer belt (page 802)
2. Remove ITB belt overrun sensor (front) [A] from front side of the ITB unit. (🔩×1, 🛠️×1, 📦×1)



m205z5221

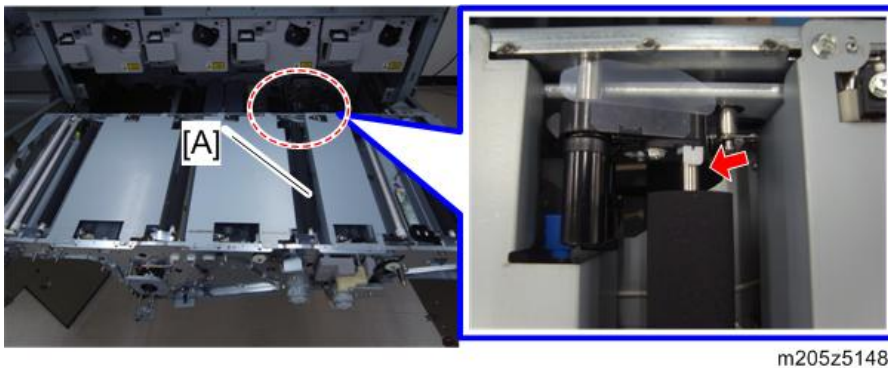
3. Remove ITB belt overrun sensor (rear) [A] from rear side of the ITB unit. (⚙️×1, 🛠️×1, 📦×1)



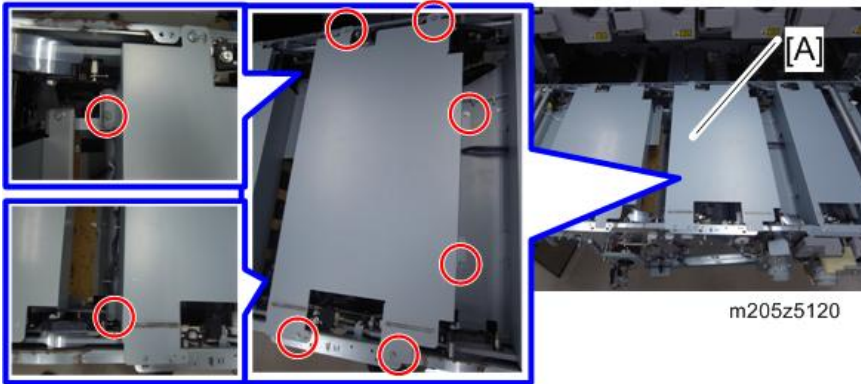
4

TDRB

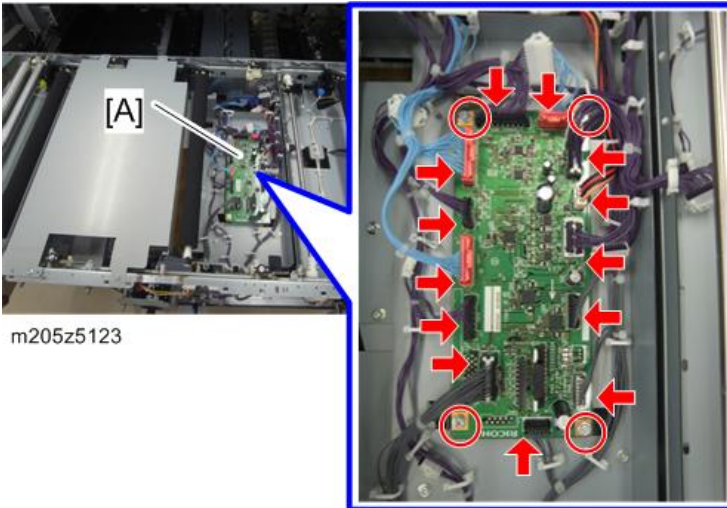
1. Intermediate transfer belt (page 802)
2. Image transfer roller (C) [A] (🛠️×1)



3. Second upper stay [A] (⚙️ × 8)



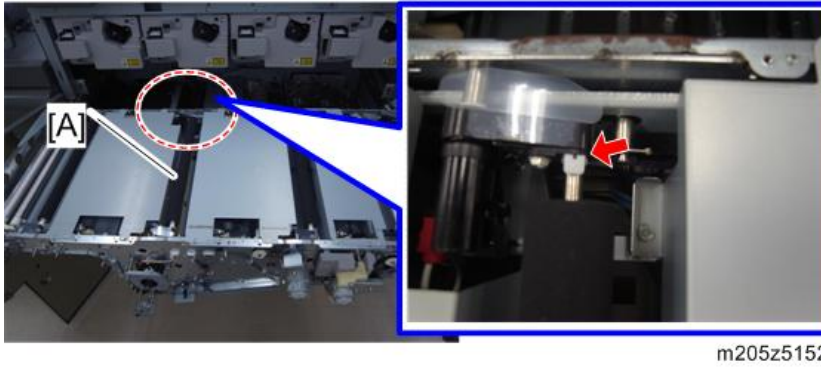
4. TDRB [A] (⚙️ × 4, 📦 × 13)



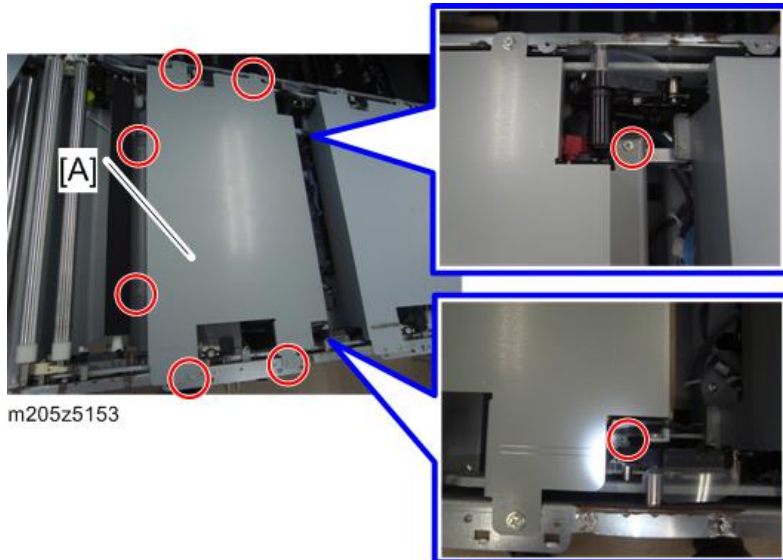
Paper Transfer DC Power Pack, Paper Transfer AC Power Pack

1. Intermediate transfer belt (page 802)

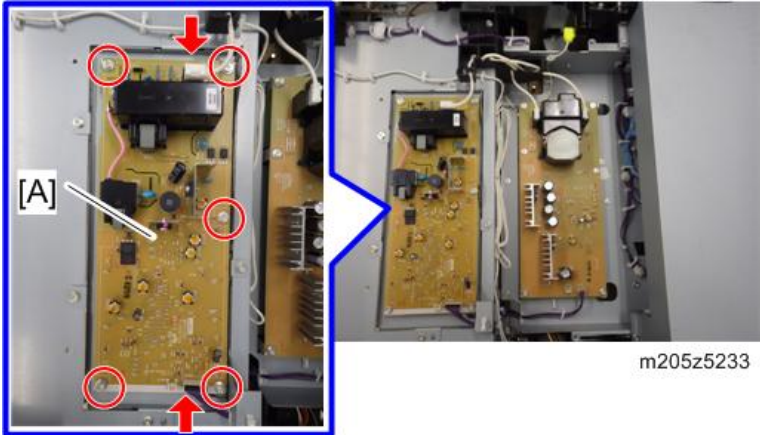
2. Image transfer roller (M) [A] (🔑×1)



3. Third upper stay [A] (🔑×8)

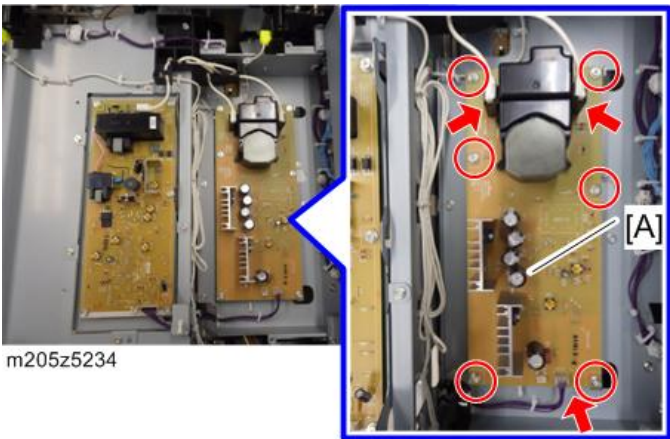


4. Paper transfer DC power pack [A] (⚙️ x5, 📦 x2)



4

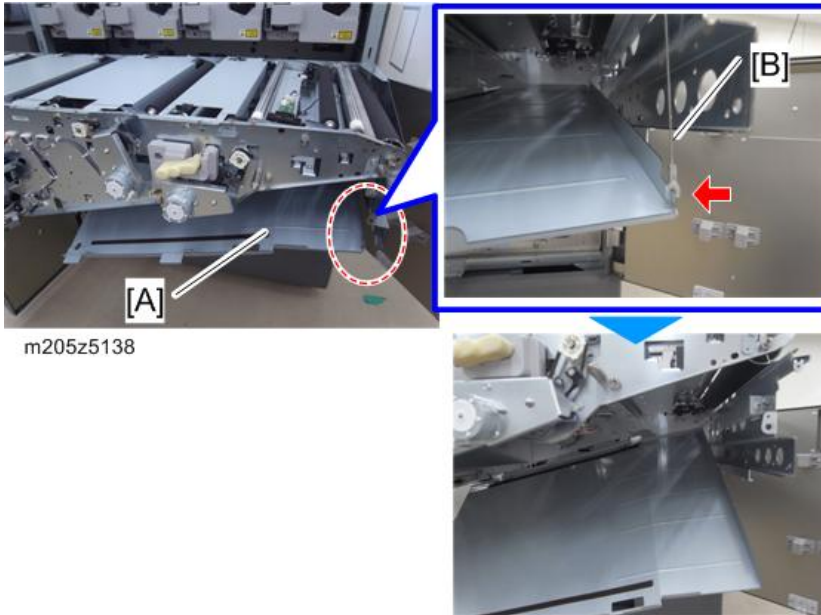
5. Paper transfer AC power pack [A] (⚙️ x6, 📦 x3)



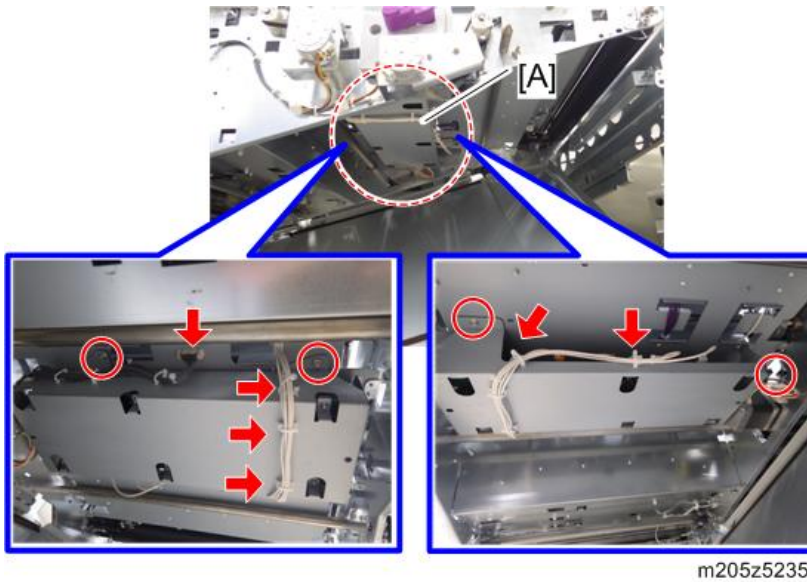
Transfer Power Pack

1. Intermediate transfer belt (page 802)

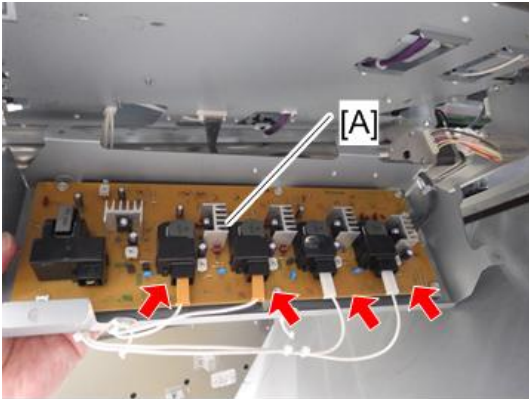
2. Remove wire [B] of the lower cover [A].



3. Remove the bracket [A] of transfer power pack. (🔩 ×4, 🛠 ×5, 📦 ×1)

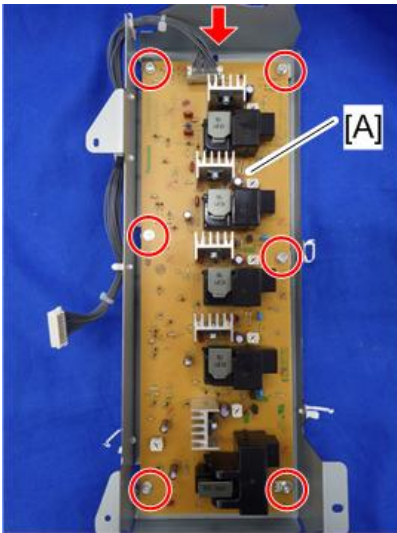


4. Remove the transfer power pack [A] with the bracket. (📦 x4)



m205z5236

5. Transfer power pack [A] (🔩 x6, 📦 x1)

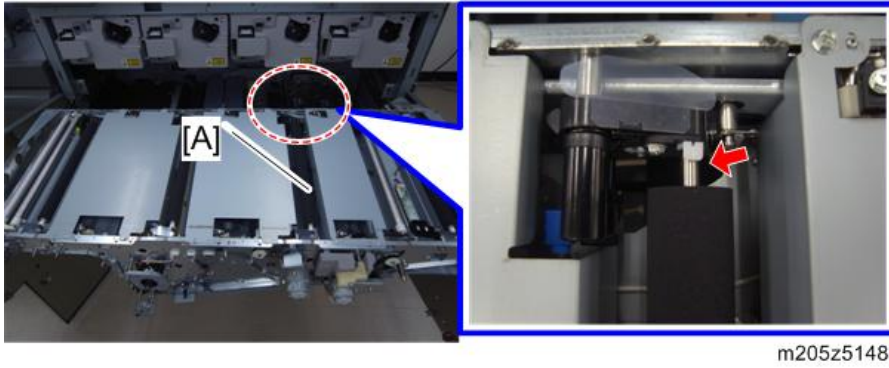


m205z5237

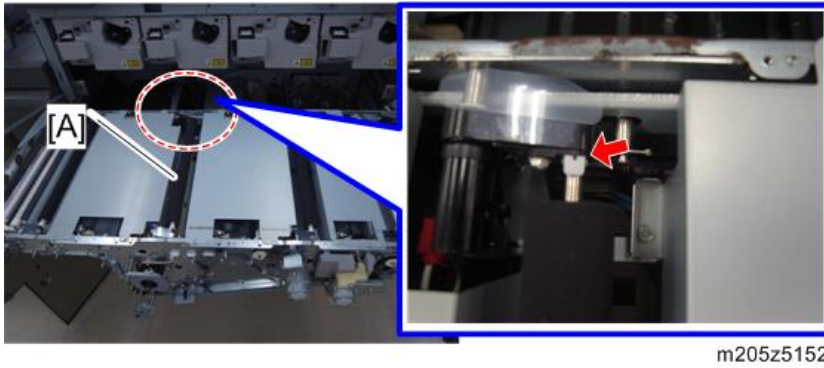
ITB Cleaning HVP (+)/ITB Cleaning HVP (-)

1. Intermediate transfer belt (page 802)

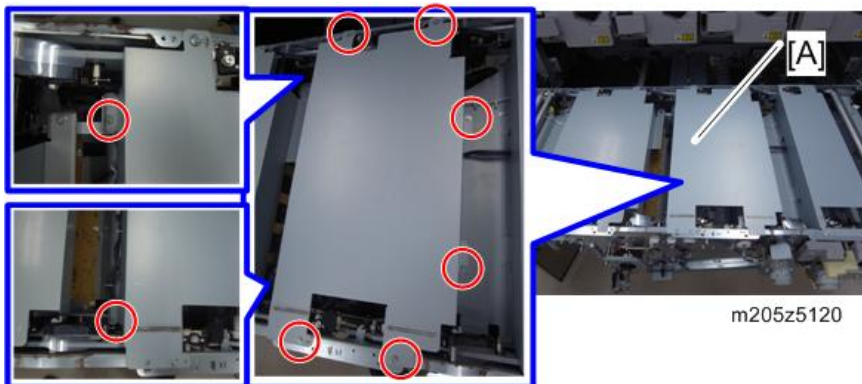
2. Image transfer roller (C) [A] (8x1)



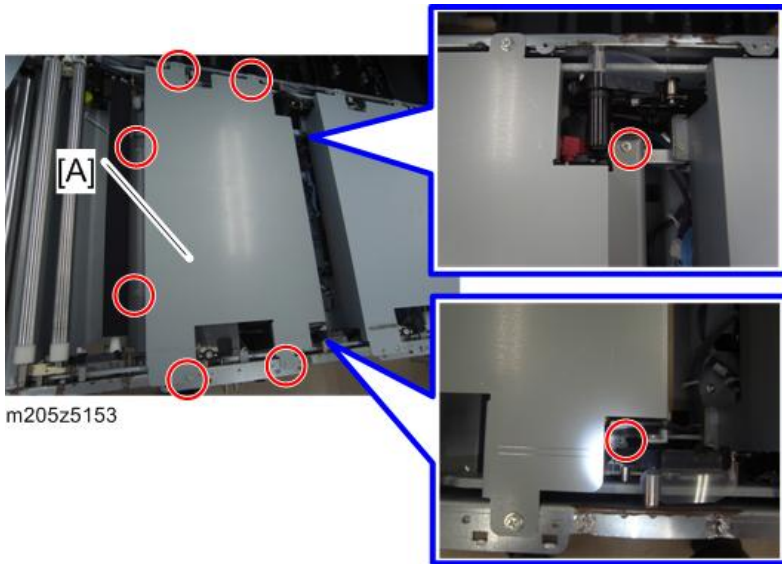
3. Image transfer roller (M) [A] (8x1)



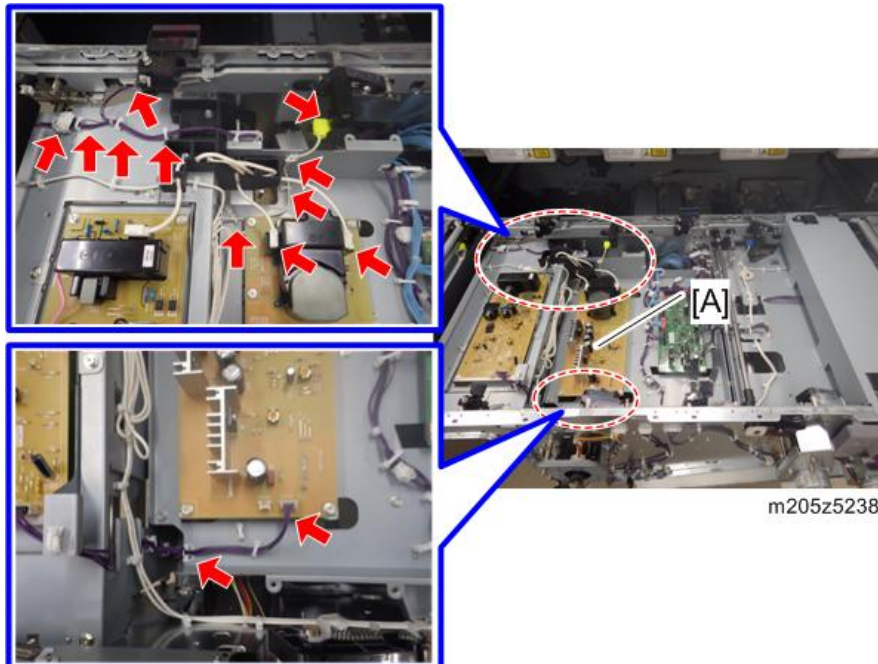
4. Second upper stay [A] (8x8)



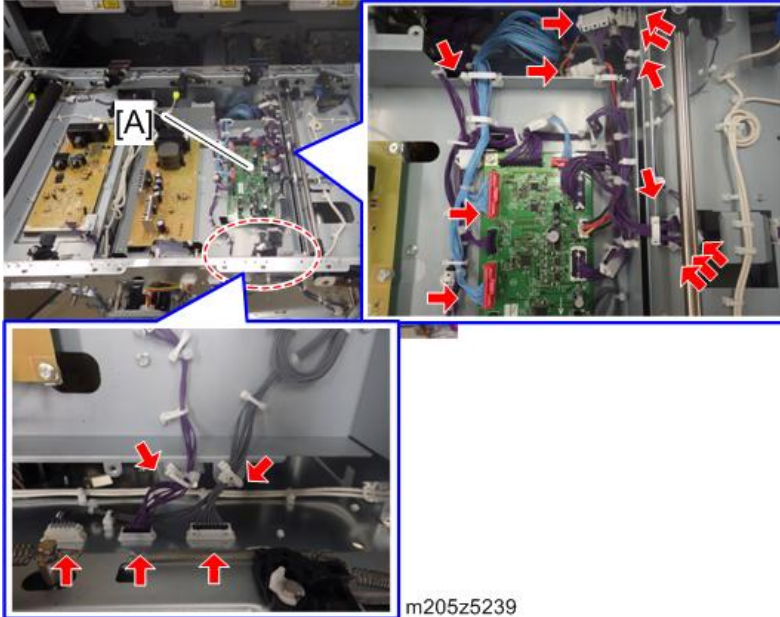
5. Third upper stay [A] (🔩×8)



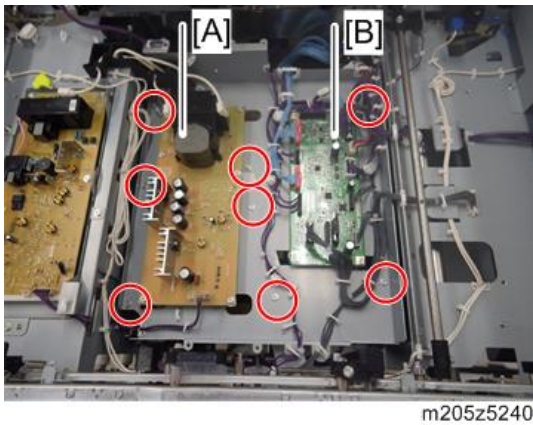
6. Open the clamps and disconnect the connectors of the paper transfer AC power pack [A] shown below. (🔧×7, 📦×6)



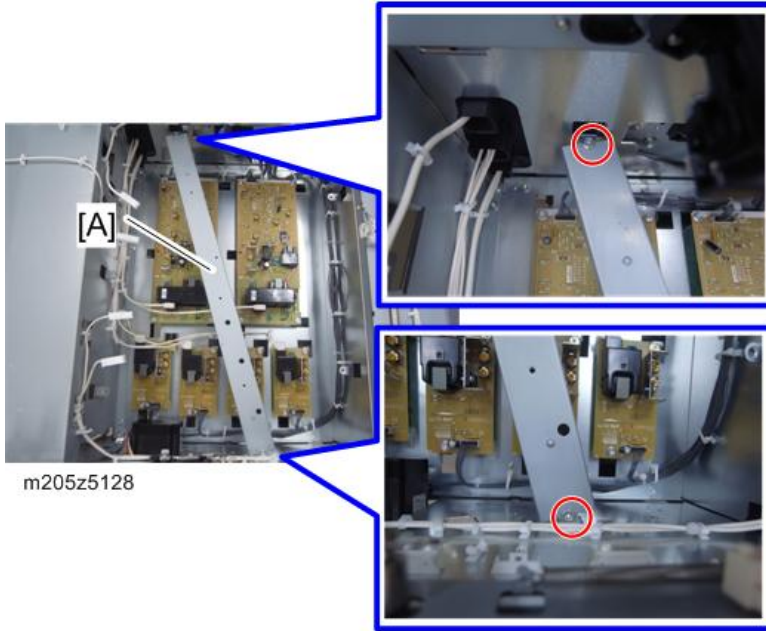
7. Open the clamps and disconnect the connectors of TDRB [A] shown below. (🔧×5, 📦×12)



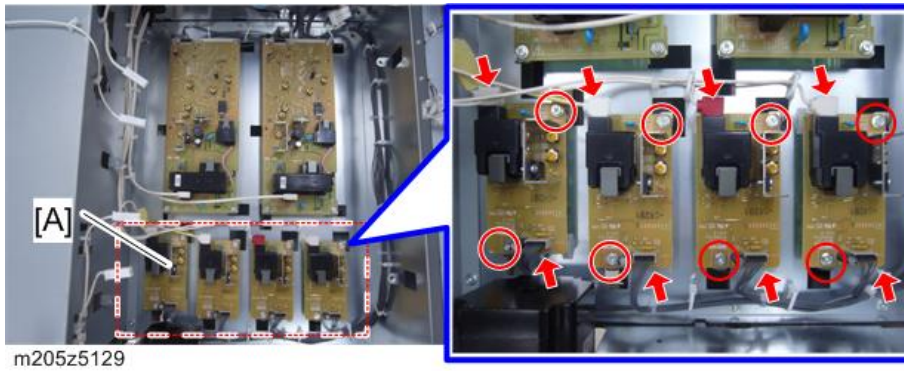
8. Remove the paper transfer AC power pack [A] and TDRB [B] with the bracket. (🔧×8)





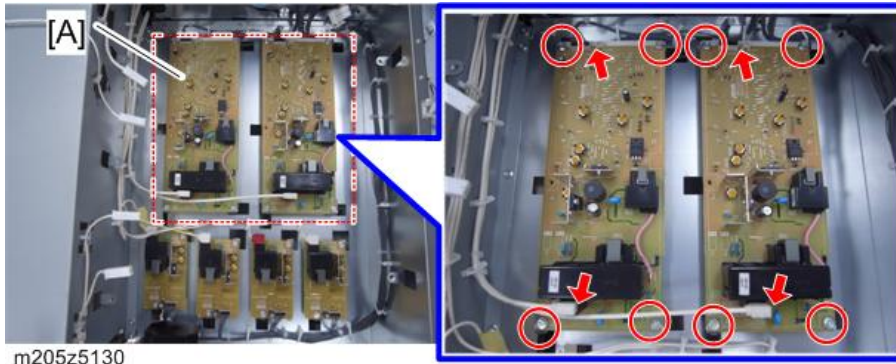
9. Stay [A] (🔩 ×2)



10. ITB cleaning HVP (+) [A] (each 🛠️ ×2, 📦 ×2)



11. ITB cleaning HVP (-) [A] (each  x4,  x2)



ITB Lubrication Unit

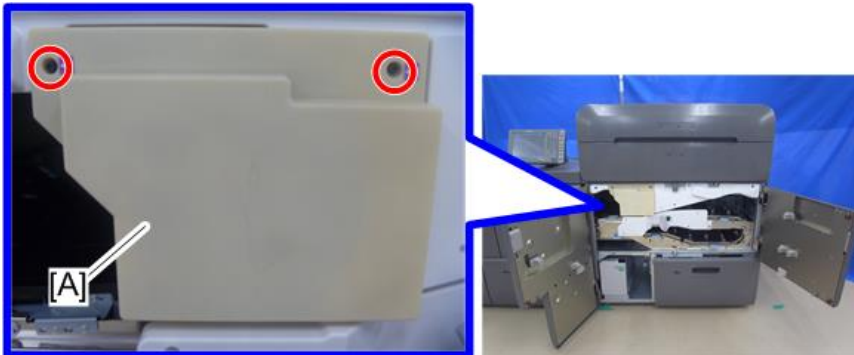
ITB Lubrication Unit

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

2. ITB cleaning unit inner cover [A] (⊙x2)

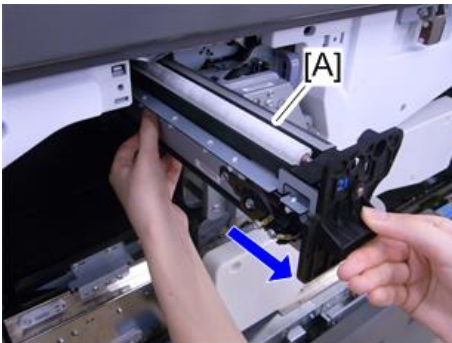


m205a2061

3. Remove the screw [B] fixing the ITB lubrication unit [A]. (🔩 ×1)



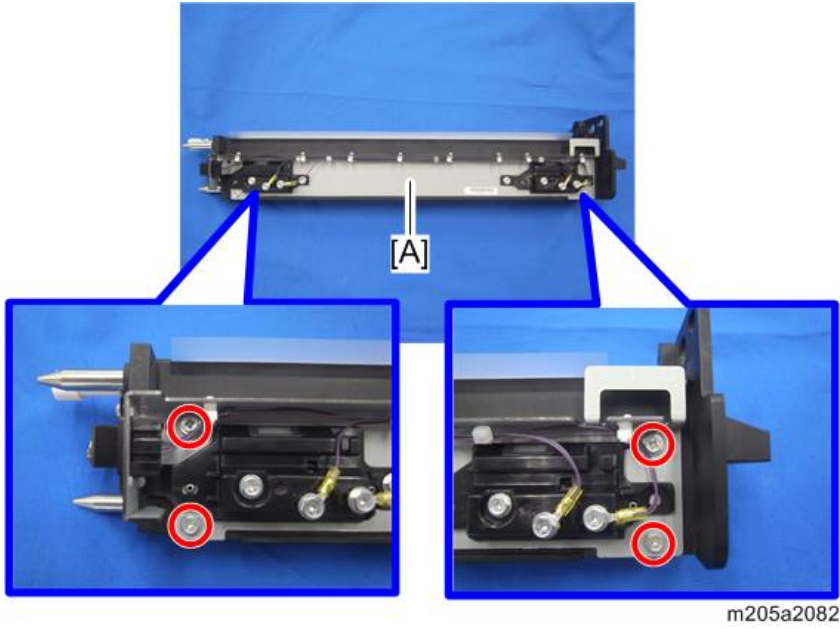
4. Pull the ITB lubrication unit [A] out to remove it from main machine.



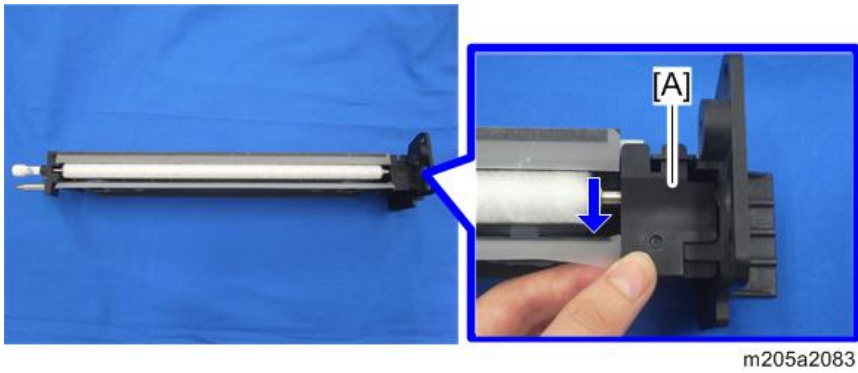
ITB Lubrication Roller

1. ITB lubrication unit (page 846)

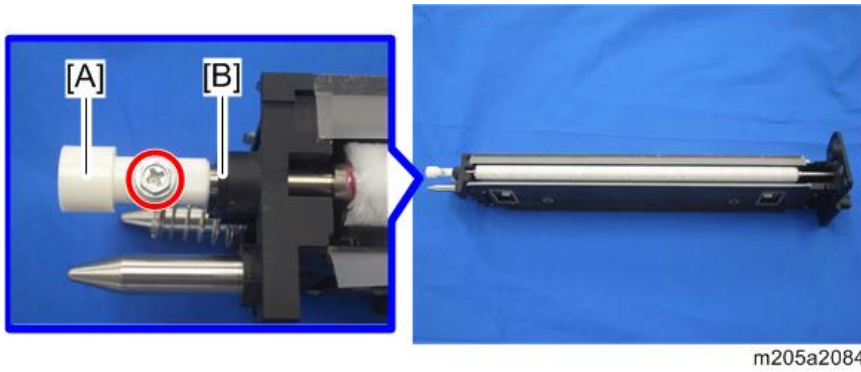
2. Bracket [A] (Ⓜ ×4)



3. Slide the guide plate [A] forward to remove it.



4. Coupling [A], washer [B] (⑤×1)



5. Remove the snap-fit [A] from the front side. (⑤×1)



6. Bearing [A]

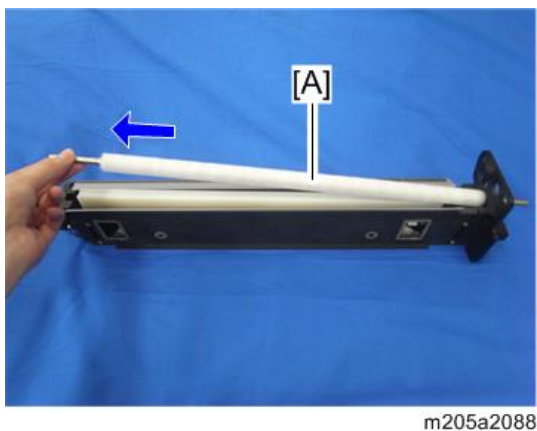


7. Pull the ITB lubrication roller [A] forward. Check that the back side [B] is detached from the bearing.



4

8. Pull out the ITB lubrication roller [A] towards the rear.



ITB Lubricant Bar

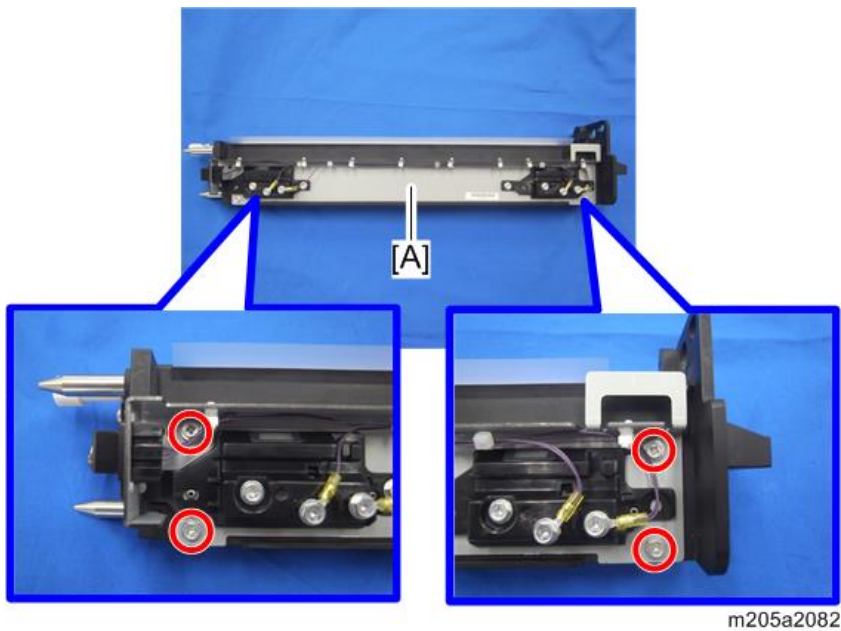
1. ITB lubrication roller (page 847)

2. Lift both sides of the ITB lubricant bar [A] to remove it.

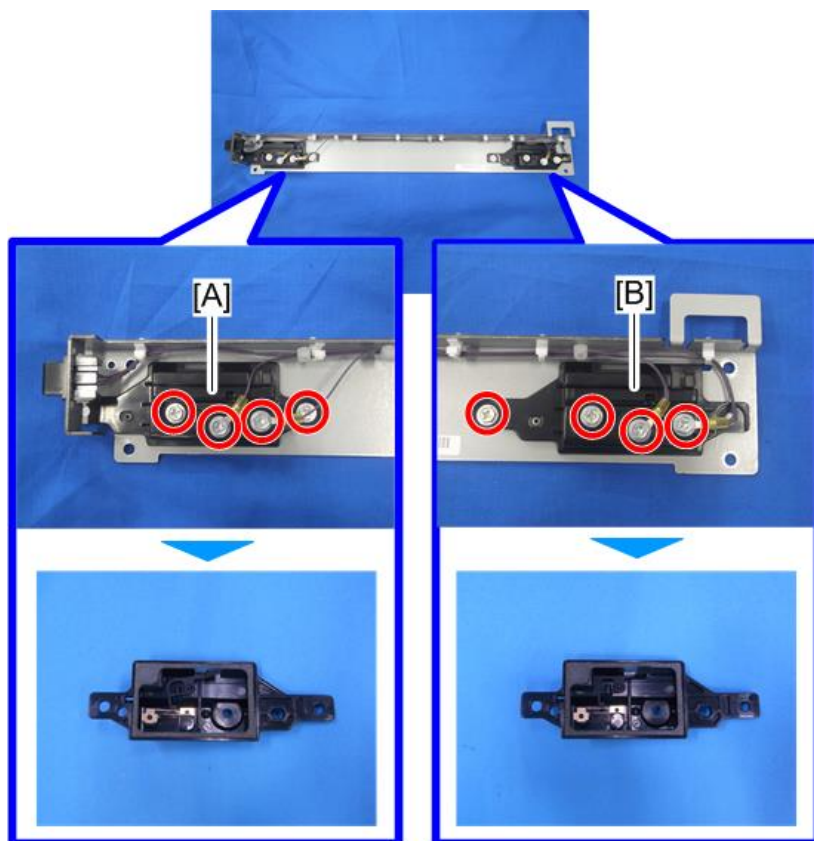


ITB Lubrication Unit End Switch

1. ITB lubrication unit (page 846)
2. Bracket [A] (🔩×4)



3. ITB lubrication unit end switch [A], [B] (⌀×8)

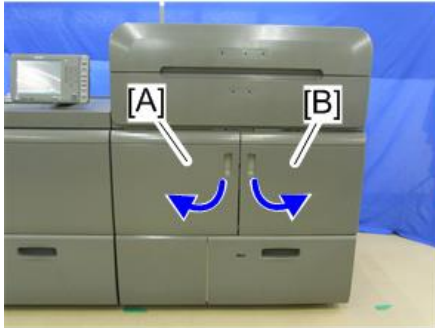


m205a2090

ITB Cleaning Unit

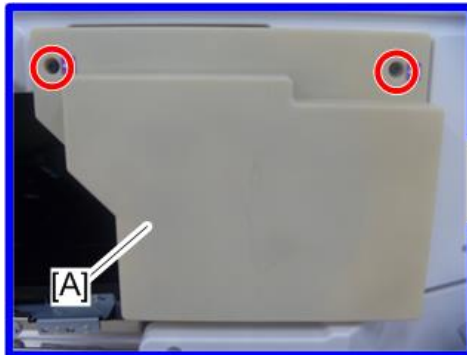
ITB Cleaning Unit

1. Open the front left door [A] and front right door [B] of the imaging section.



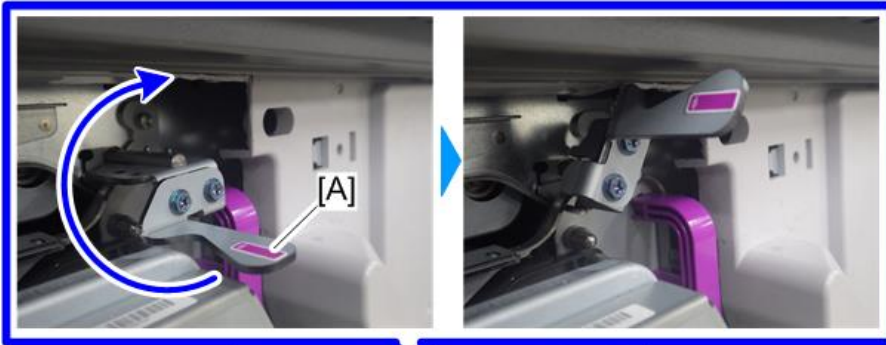
m205a2271

2. ITB cleaning unit inner cover [A] (⊙ ×2)



m205a2061

3. Rotate the release lever [A] clockwise to separate the ITB cleaning unit from the ITB.



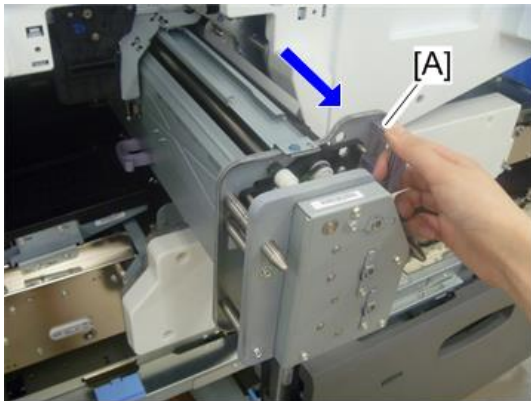
m205a0205

4. Remove the fixing screw [B] of the ITB cleaning unit [A]. (⚙️ ×1)



m205a2062

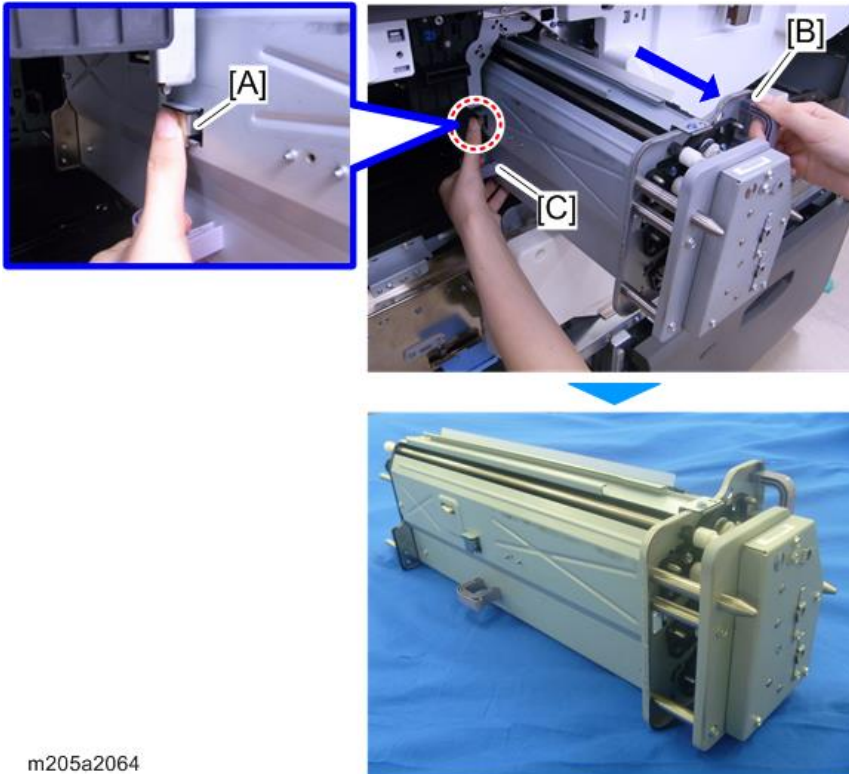
5. Hold the grip [A] of the ITB cleaning unit, and then pull it out of the machine until it stops.



m205a2063

4

6. Hold the grips [B] and [C] with both hands while unlocking the lock bar [A] by pushing it, and then remove the ITB cleaning unit.

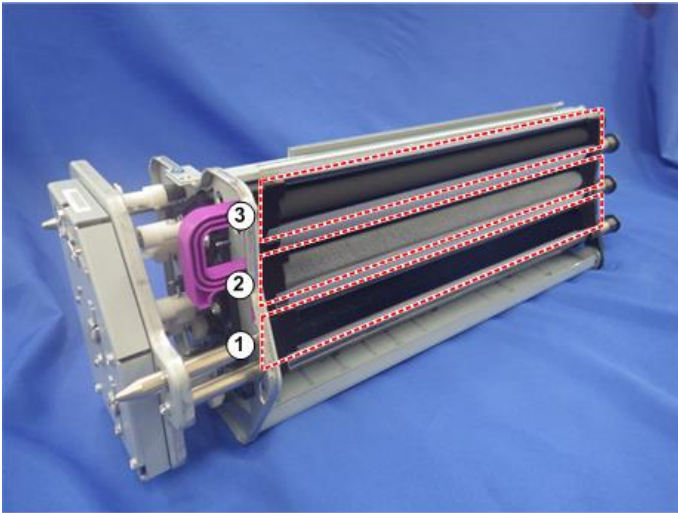


m205a2064

ITB Cleaning Sub Unit

Note

- There are three ITB cleaning sub units (①②③) in the ITB cleaning unit.
- Each unit contains an ITB cleaning roller, an ITB cleaning collection roller, and an ITB cleaning blade. The material of the ITB cleaning roller is different for each unit. In ITB cleaning sub unit ① it is a black colored brush roller, in unit ② it is a gray colored brush roller, and in unit ③ it is a sponge roller. Therefore, the three ITB cleaning sub units are not interchangeable.

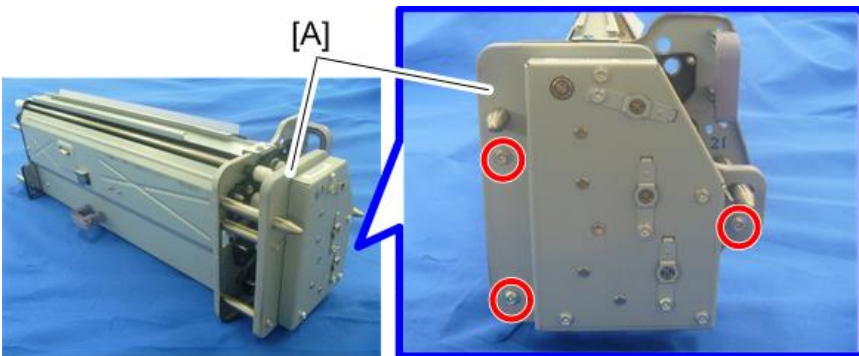


m205a0280

- The ITB cleaning sub unit ① is taken in the photos in the replacement procedure of this section as an example, but you can replace other ITB cleaning sub units in the same way. When the procedure is different depending on the units, the required procedure is indicated in a note.

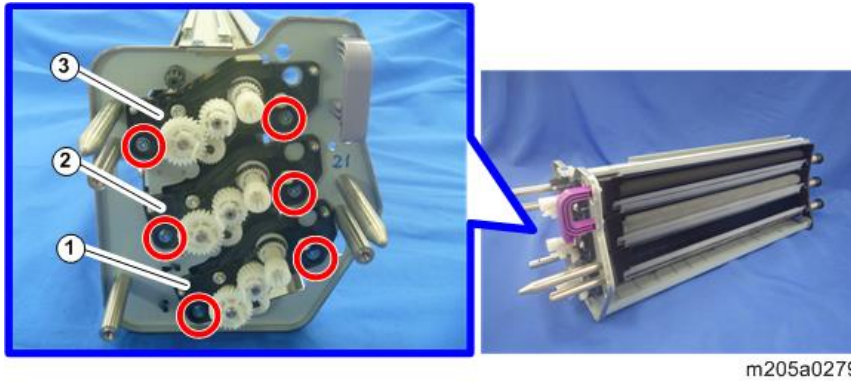
1. ITB cleaning unit (page 853)

2. Bracket [A] (⚙️ x3)

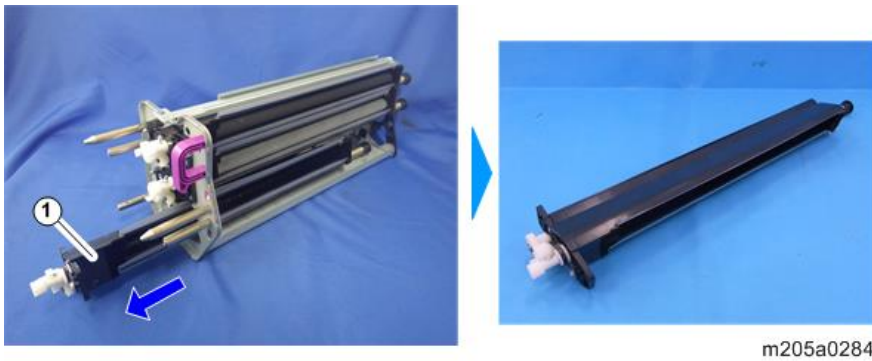


m205a2066

3. Remove the fixing screws of ITB cleaning sub units (①②③). (④×6)



4. Pull out ITB cleaning sub unit ① and place it on a flat surface.

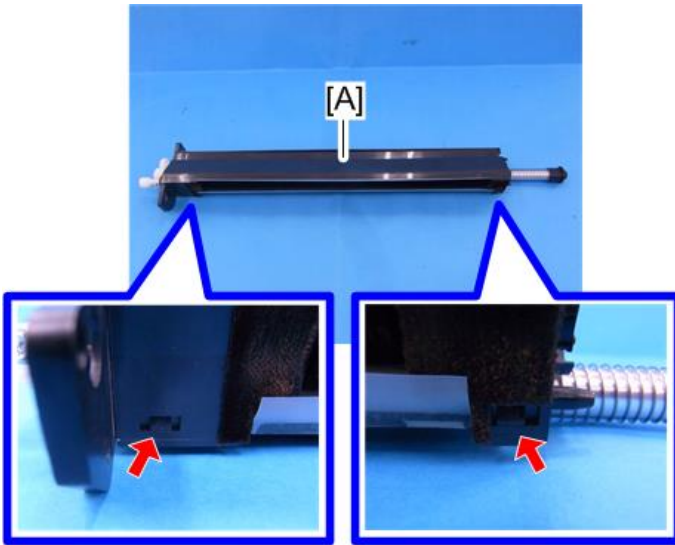


5. Pull out ITB cleaning sub unit ②③ as well and place them on a flat surface.

ITB Cleaning Roller

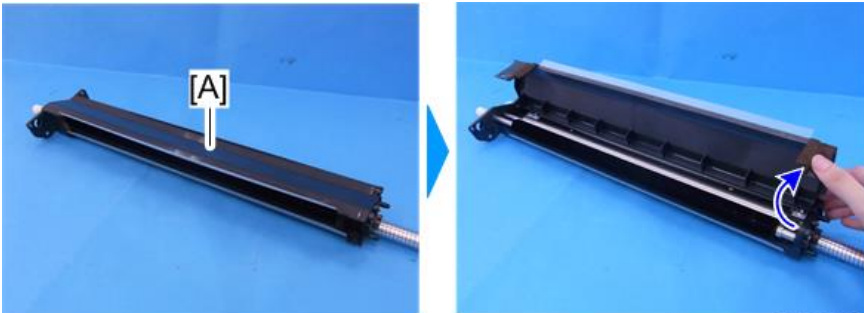
1. ITB cleaning sub unit (page 856)

2. Release two pawls of bracket [A].



m205a0003

3. Open the bracket [A] by rotating approximately 90 degrees.



m205a2070

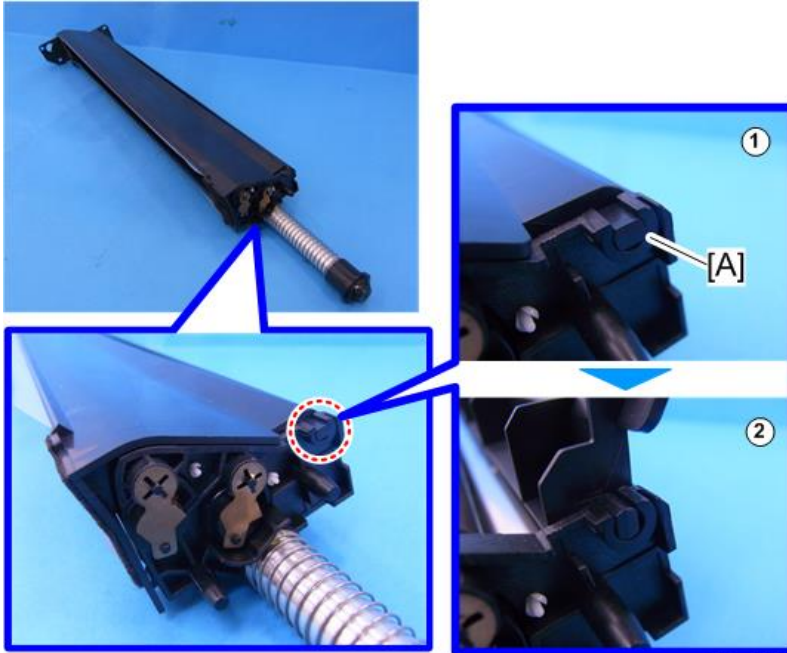
4. Remove the bracket [A] by lifting it.



m205a2071

↓ **Note**

- The bracket cannot be removed when it is closed since the shaft [A] of the bracket is caught in the housing as shown in ①. When you open the bracket to 90 degrees, the shaft rotates as shown in ② and you can remove the bracket.



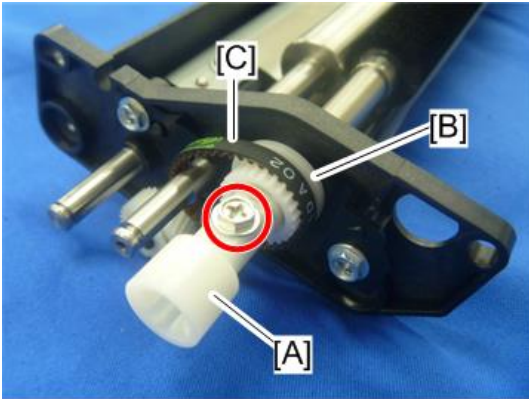
m205a0004

5. Gears [A] and [B] (⌀×2)



m205a2072

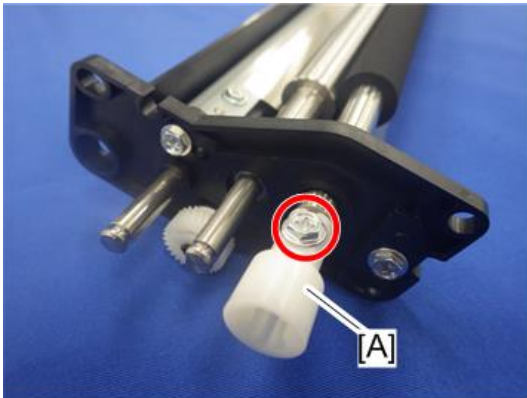
6. Coupling [A], pulley [B], timing belt [C] (⊙×1, ⊙×1)



m205a2073

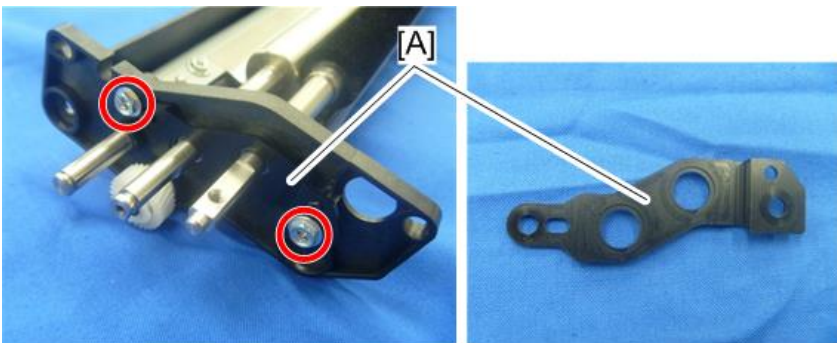
↓ Note

- When replacing the ITB cleaning roller of ITB cleaning sub unit ③, remove only the coupling [A]. ITB cleaning sub unit ③ does not have the pulley and timing belt.



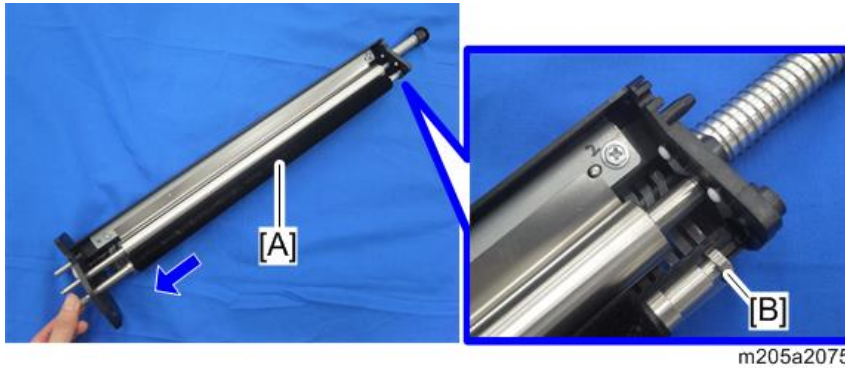
m205a0286

7. Bracket [A] (⊙×2)

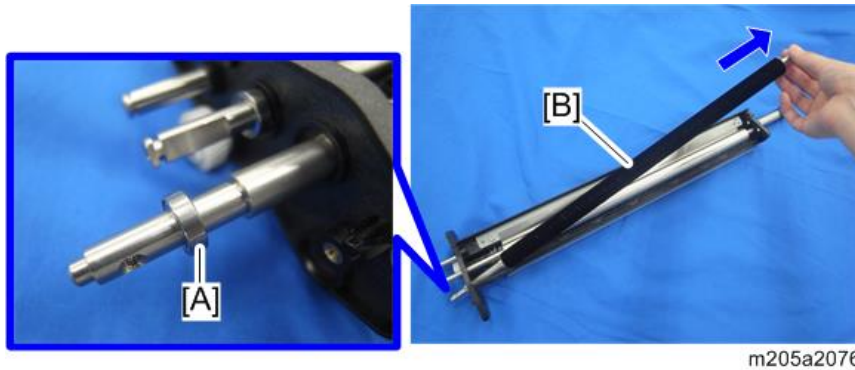


m205a2074

- Pull the ITB cleaning roller [A] towards the front. Check that the bearing [B] on the back side is detached.



- Remove bearing [A] on the front and pull out the ITB cleaning roller [B] backwards.



ITB Cleaning Collection Roller

- ITB cleaning roller (page 857)
- Pull the ITB cleaning collection roller [A] towards the front. Check that the bearing [B] on the back side is detached.

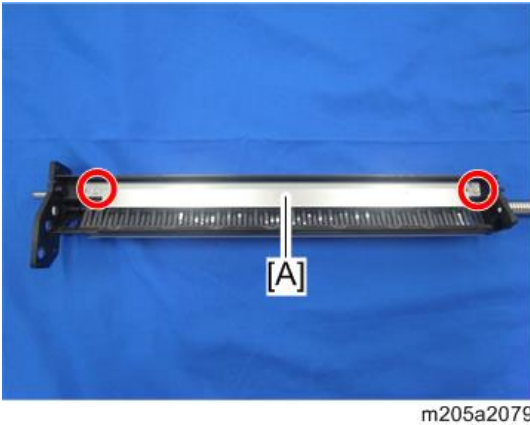


3. Remove bearing [A] on the front and pull out the ITB cleaning collection roller [B] backwards.



ITB Cleaning Blade

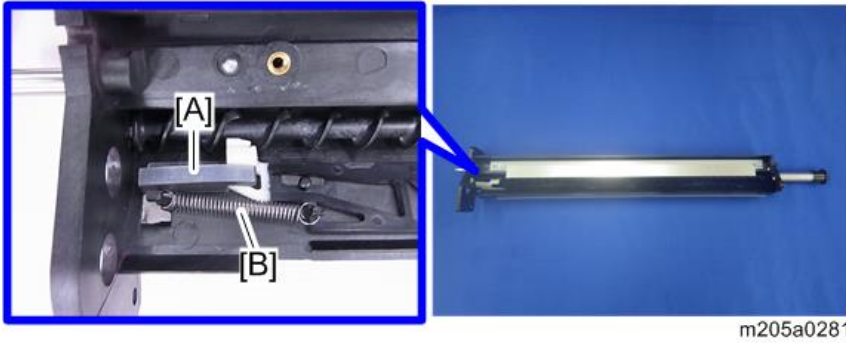
1. ITB cleaning collection roller (page 861)
2. ITB cleaning blade [A] (🔩 ×2)



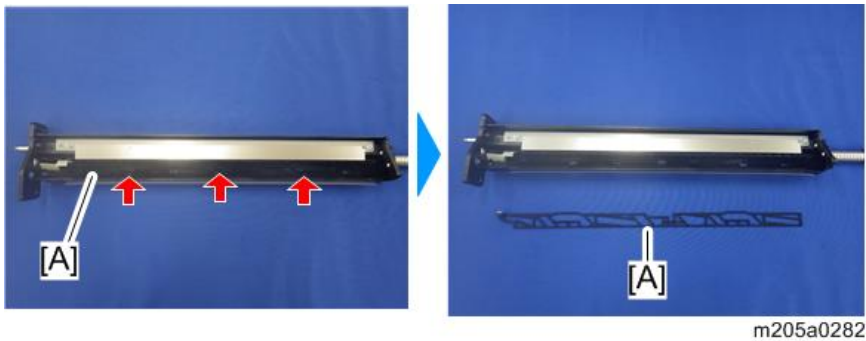
ITB Cleaning Vibrating Plate

1. ITB cleaning collection roller (page 861)

2. Sponge [A], spring [B] (×1)

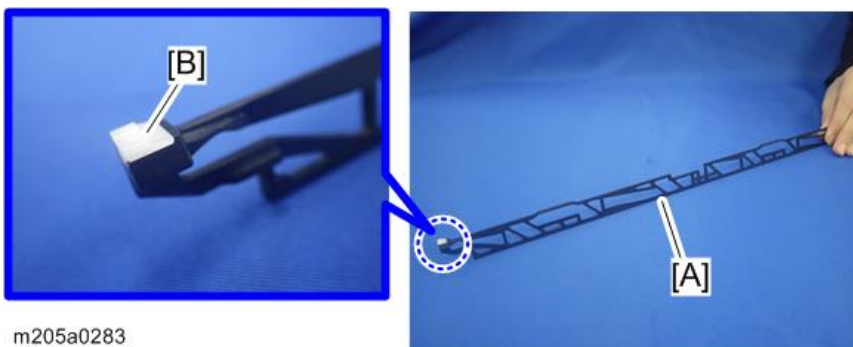


3. ITB cleaning vibrating plate [A] (pawl ×3)



↓ Note

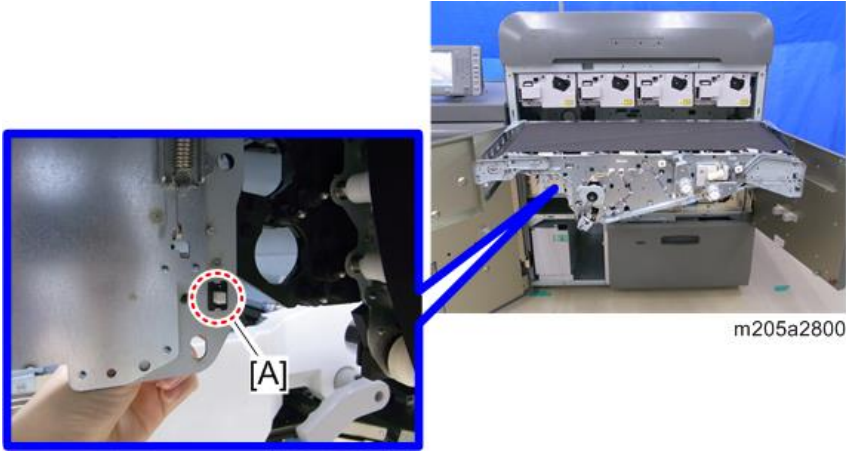
- The PM unit is "ITB cleaning vibrating plate [A]", which includes the slider [B]. Replace the whole assembly [A] (including the slider [B]) with a new one at PM.



ITB Cleaning Unit Set Sensor

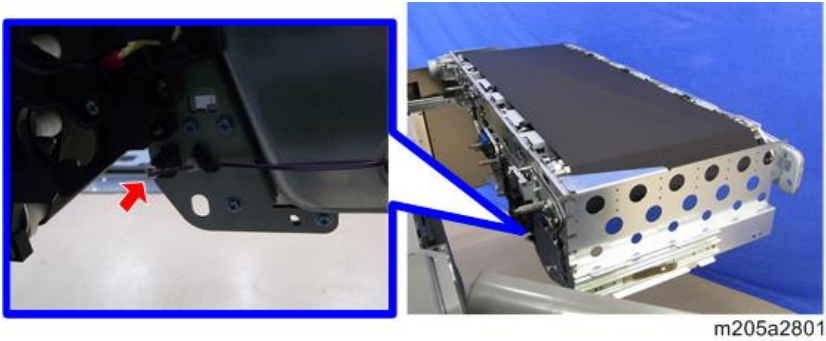
1. Withdraw the ITB unit to the service position. (page 798)

2. Disconnect the harness of the ITB cleaning unit set sensor [A] from the rear side of the ITB unit. (🔌 ×1)

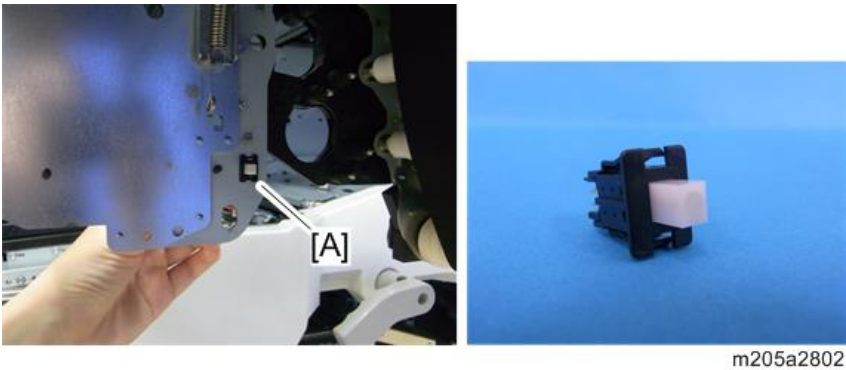


↓ Note

- The harness of the ITB cleaning unit set sensor is connected from the rear side of the ITB unit as shown below.

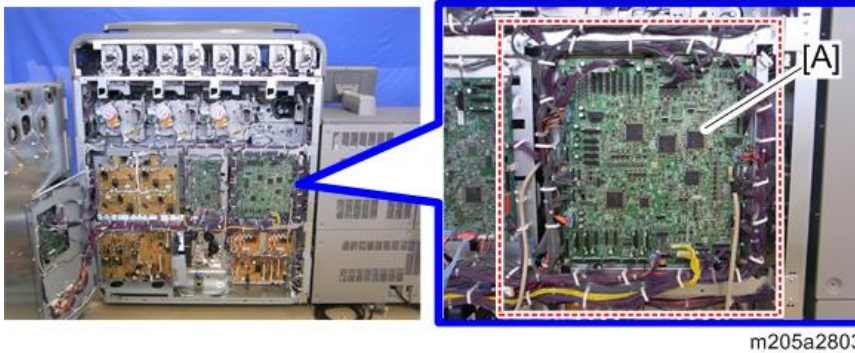


3. ITB cleaning unit set sensor [A]

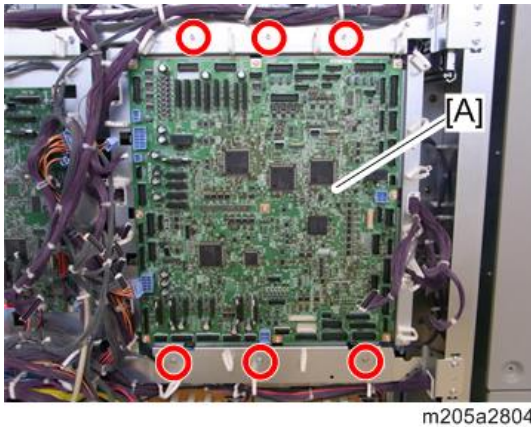


ITB Cleaning Motor

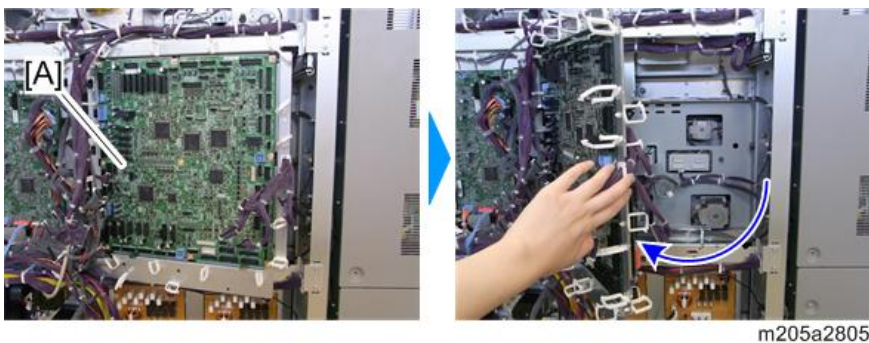
1. Imaging section drive unit (Y) (page 1334 "Development Motor (KCMY)")
2. Open the clamps and disconnect the connectors on the IOB1 bracket [A]. (🔧×ALL, 📡×ALL)



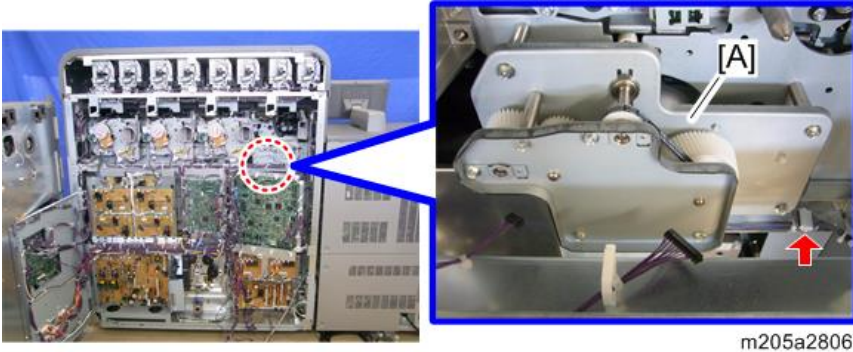
3. Remove the screws that fix the IOB1 bracket [A]. (🔩×6)



4. Open the IOB1 bracket [A].

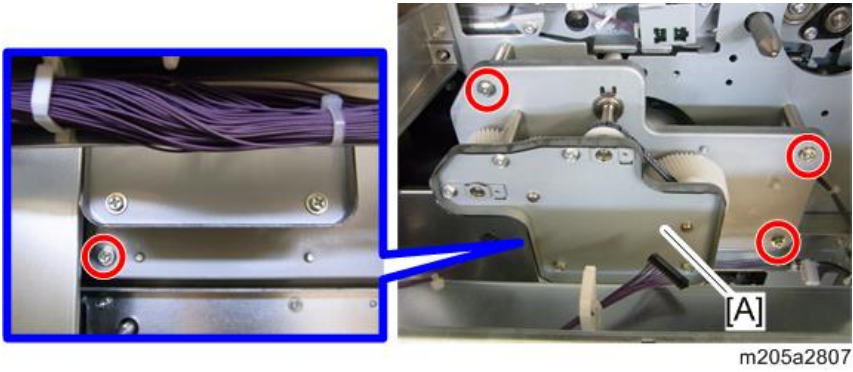


5. Disconnect the connector of the motor bracket [A]. (🔌 ×1)

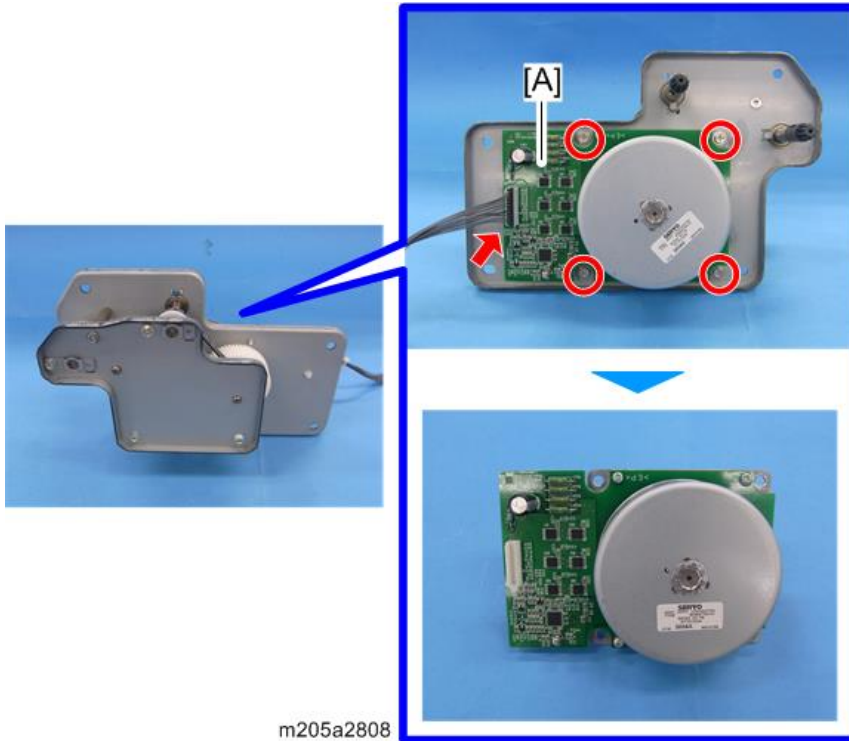


4

6. Motor bracket [A] (🔩 ×4)

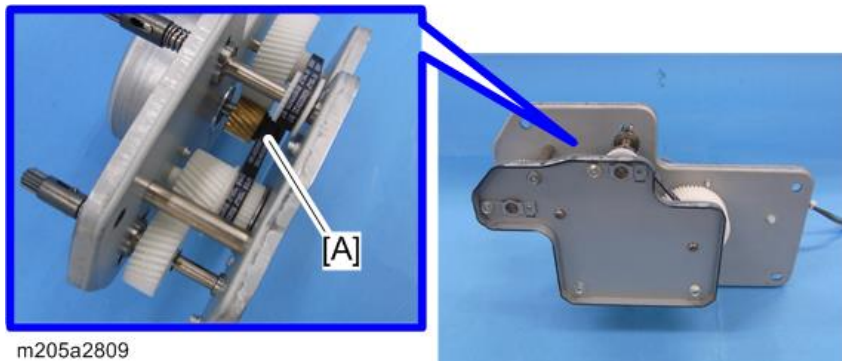


7. ITB cleaning motor [A] (⚙️×4, 📦×1, 🌀×1)



⚠️ Note

- When installing the ITB cleaning motor, make sure the timing belt [A] is installed correctly.



Paper Transfer Unit (PTR)

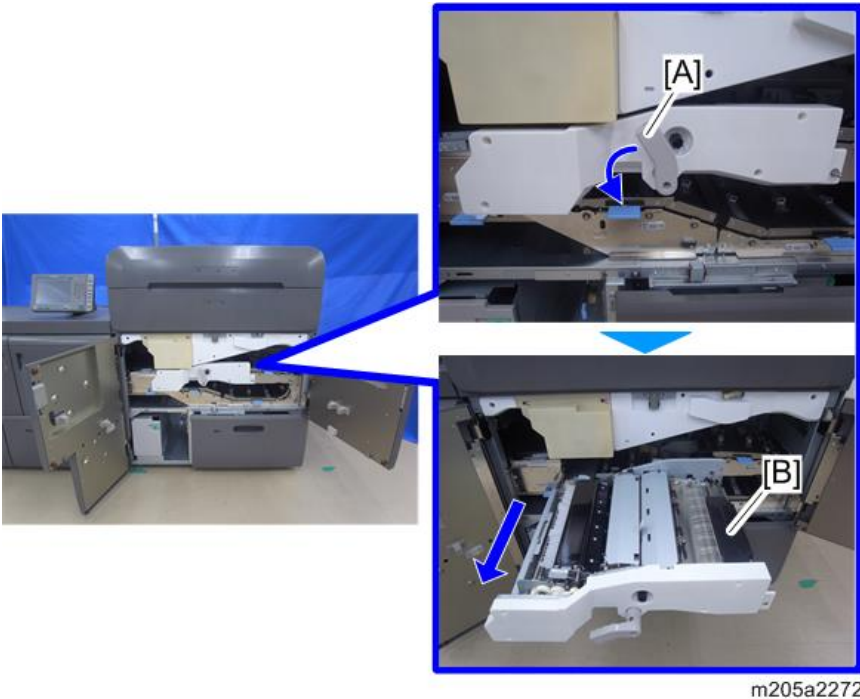
After replacement, adjust the image position by executing (b) and (e) in page 1447 "Adjusting the Image Position on Side 1".

Paper Transfer Belt Unit

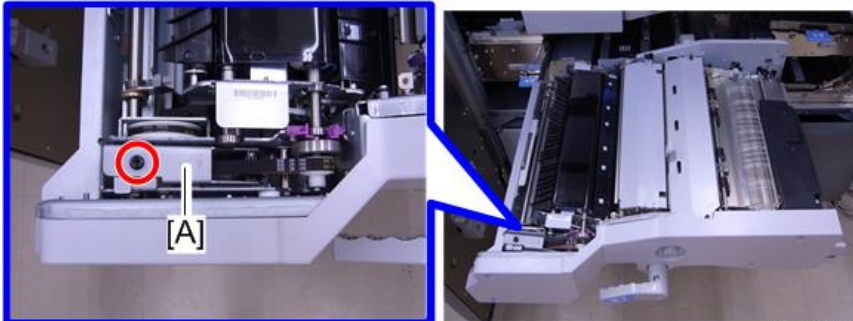
1. Open the front left door [A] and front right door [B] of the imaging section.



2. Rotate the handle [A] counter-clockwise, and then withdraw the drawer unit [B].

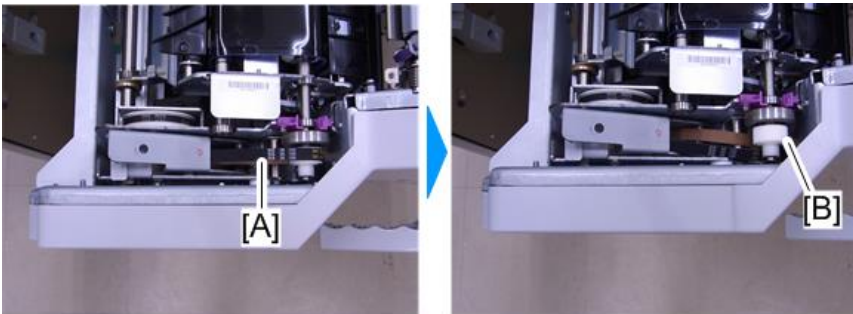


3. Remove the screw from timing belt fixing bracket [A]. (⚙️ ×1)



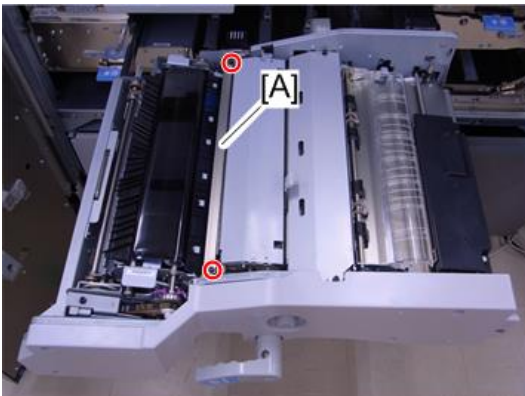
m205a0066

4. Remove the timing belt [A] from timing pulley [B].



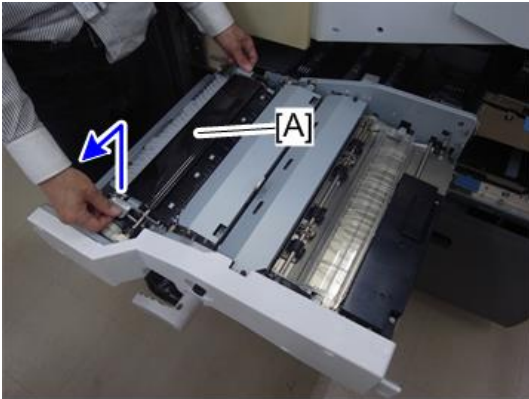
m205a0067

5. Guide plate [A] (⚙️ ×2)



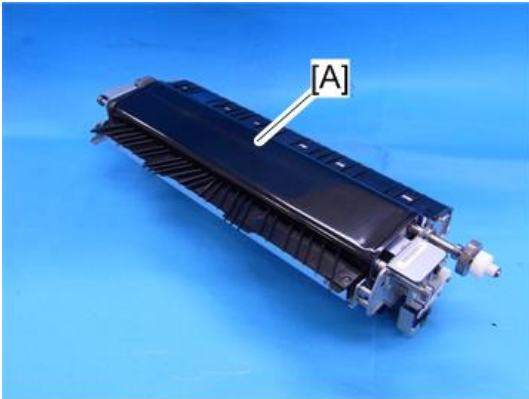
m205a0068

6. Hold both ends of the plate and remove the paper transfer unit (PTR) [A].



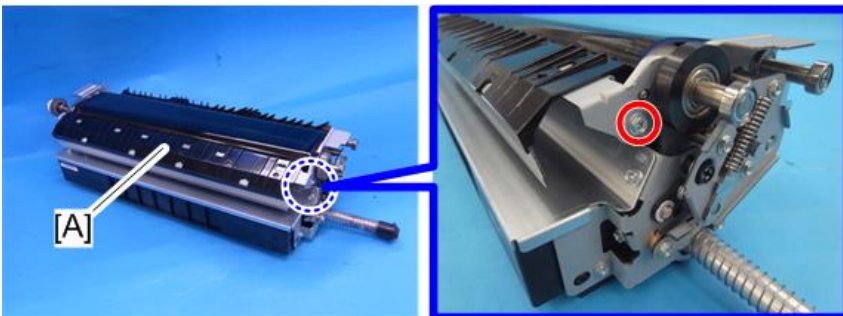
m205a2336

7. Place the paper transfer unit (PTR) [A] on a flat surface.



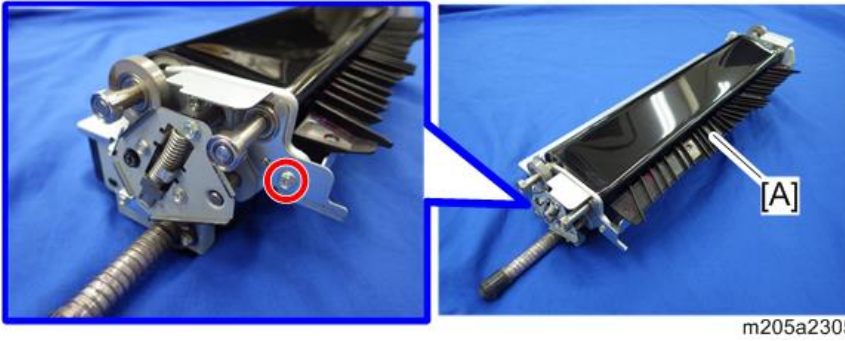
m205a2283

8. Paper transfer entrance plate [A] (⌀ × 1)



m205a2304

9. Paper transfer exit plate [A] (🔩×1)

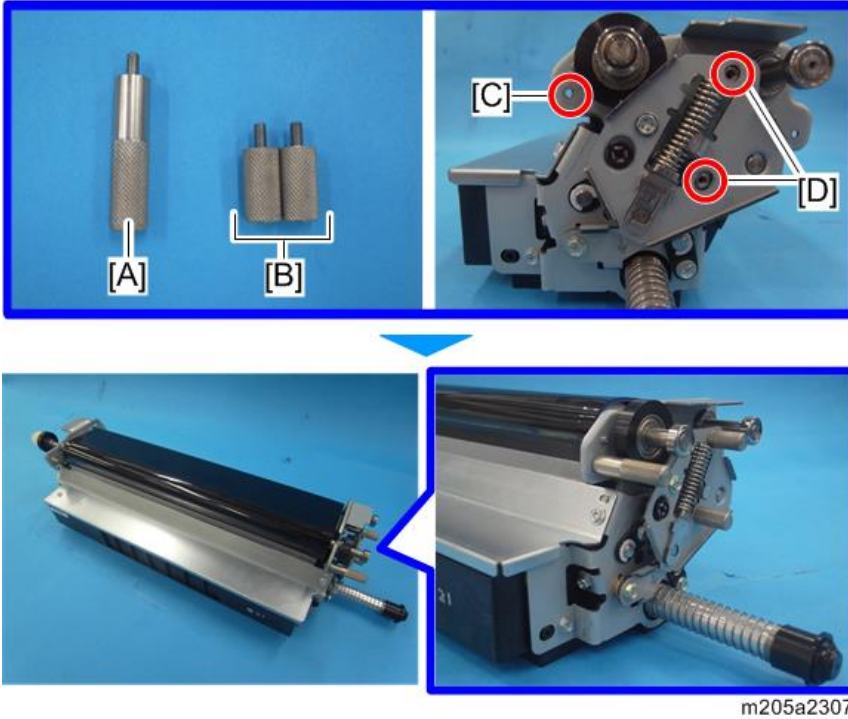


10. Remove two screws at the rear. (🔩×2)



11. Install vertical standing support jig [A] for paper transfer unit replacement, which is provided with the main machine, in the screw hole [C] by hand.

12. Install vertical standing support jigs [B] for paper transfer unit replacement, which is provided with the main machine, in the screw holes [D] by hand.

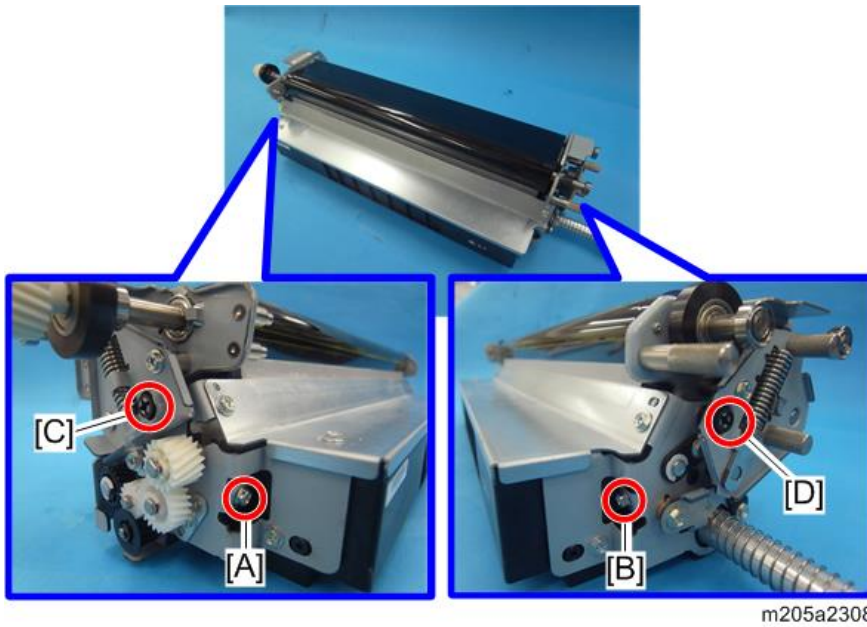


4

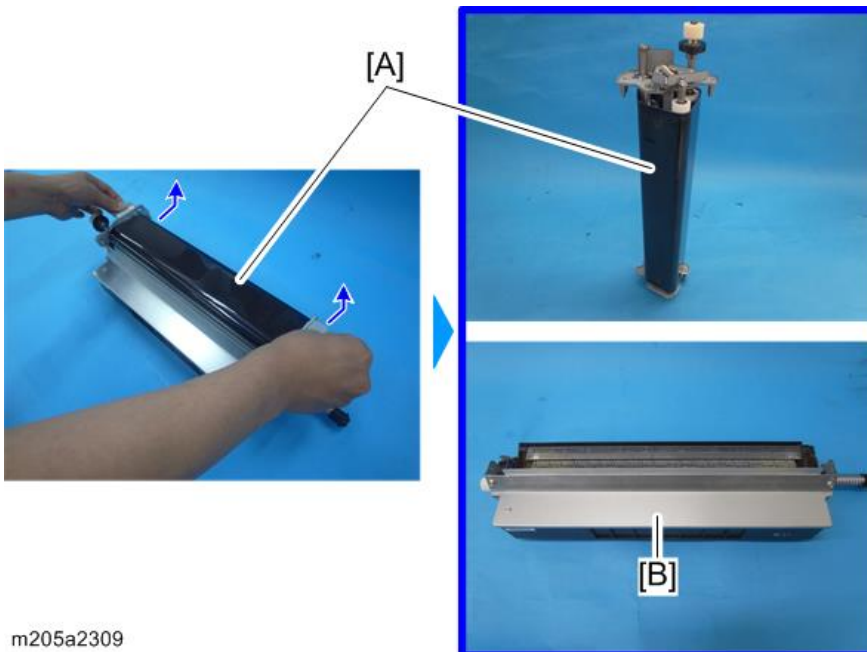
13. Remove fixing screws [A], [B], [C], [D] of the paper transfer belt unit and paper transfer cleaning unit. (⚙️ ×4)

⬇️ **Note**

- Remove the screws in the order of [A], [B], [C], [D].
- When re-installing the unit, fasten the screws in the order of [C], [D], [A], [B].

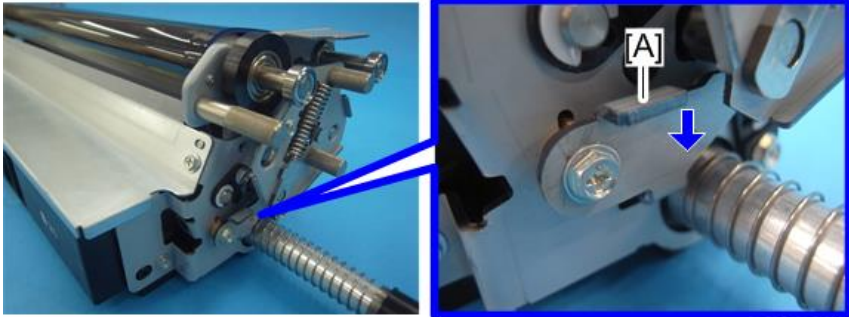


14. Separate the paper transfer belt unit [A] from the paper transfer cleaning unit [B].



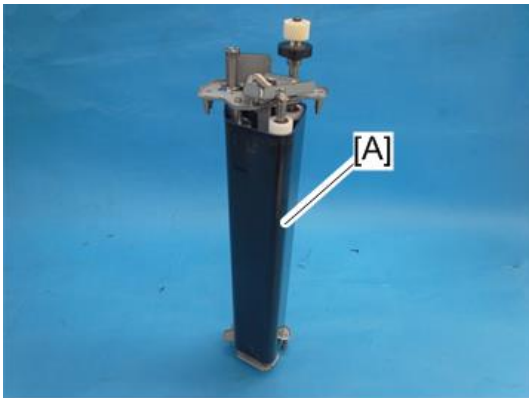
Note

- Push the rear lever [A] down to unlock the paper transfer cleaning unit, and then separate the paper transfer belt unit from the paper transfer cleaning unit.



m205a2311

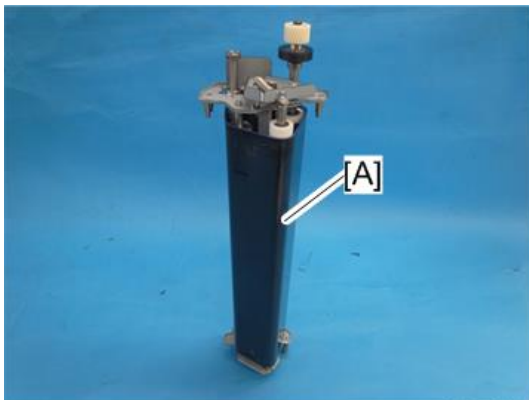
- Place the paper transfer belt unit [A] at a vertical angle as shown below.



m205a2310

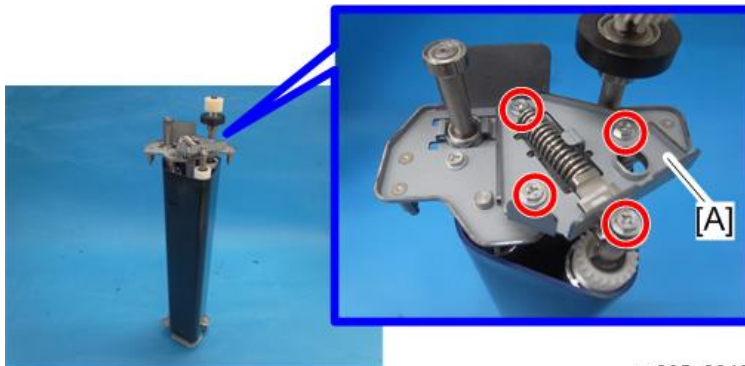
Paper Transfer Belt

1. Paper transfer belt unit (page 868)
2. Set the paper transfer belt unit [A] on a flat surface with its rear side facing down.



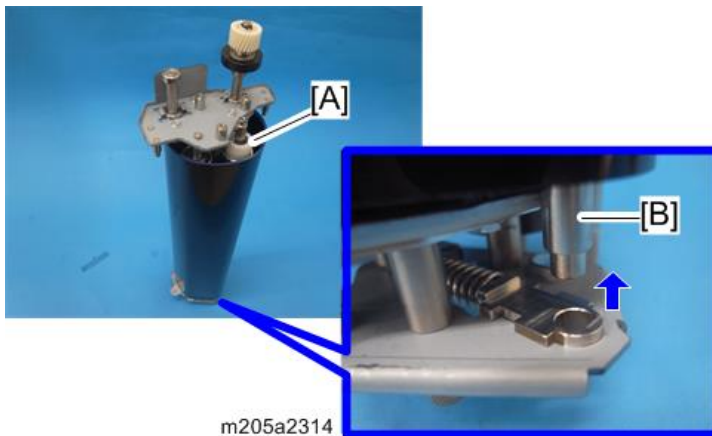
m205a2312

3. Tension bracket [A] (⌀ \times 4)



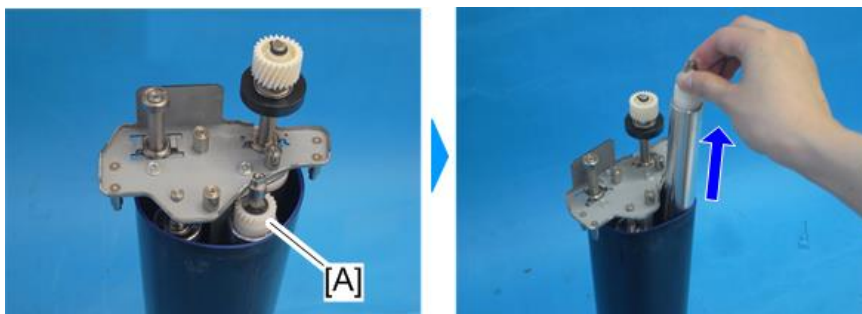
m205a2313

4. Pull out the lower shaft [B] of the tension roller [A] upwards.



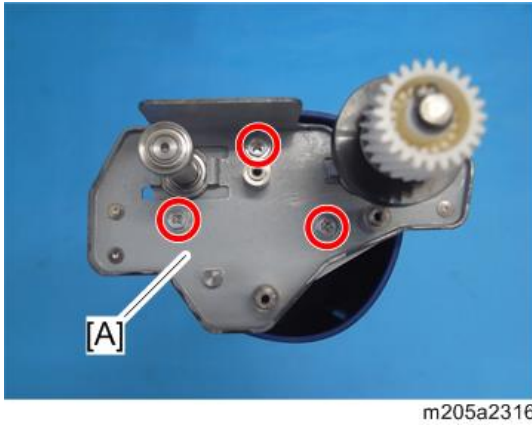
m205a2314

5. Pull the tension roller [A] out upwards between the belt and the protector plate, and then remove it.

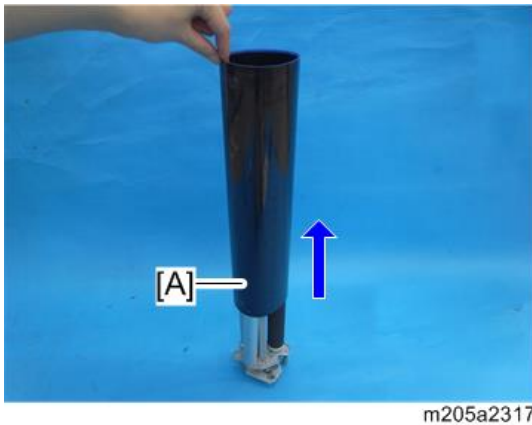


m205a2315

6. Protector plate [A] (⚙️ ×3)

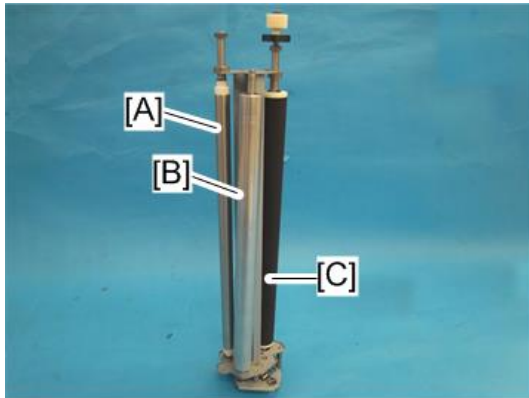


7. Pull out the paper transfer belt [A].



⚠️ Note

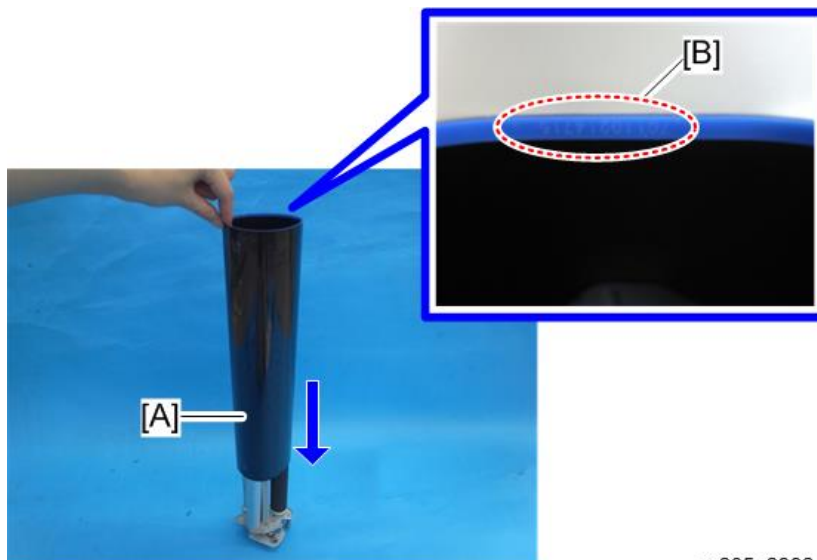
- When pulling out the paper transfer belt, avoid touching the frame and the gear.
- Before installing a new paper transfer belt, confirm that the separate roller [A], TM sensor counter roller [B], and paper transfer roller [C] are not dirty. If they are dirty, clean them with a dry cloth. Do the same for the tension roller you removed in Step 5.



m205a2318

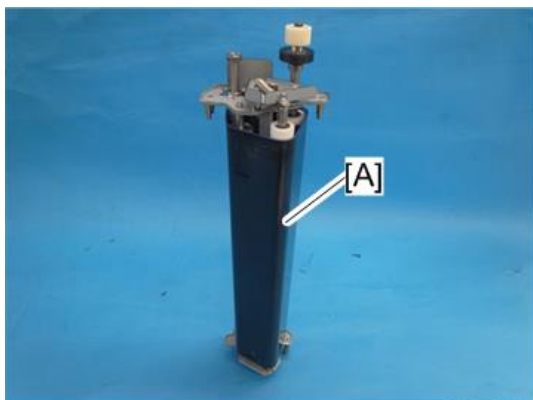
When installing the paper transfer belt

- When installing the paper transfer belt [A], be careful about orientation of the paper transfer belt. Make sure that one end on which lot number [B] is printed have to be upper side.



m205a2992

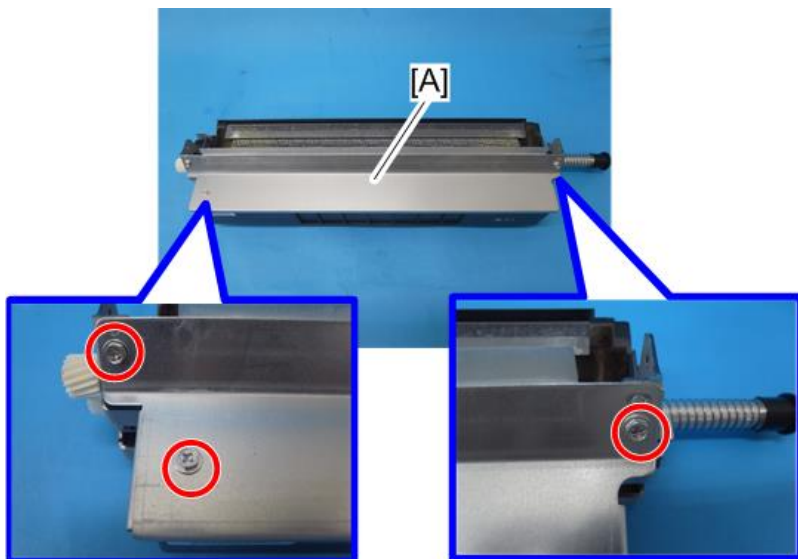
- After installing the paper transfer belt, apply zinc stearate (D0159501) to the whole surface of the paper transfer belt [A] evenly with a brush.



m205a2312

Paper Transfer Lubrication Roller

1. Separate the paper transfer belt unit from the paper transfer cleaning unit. (page 868 "Paper Transfer Belt Unit")
2. Place the paper transfer cleaning unit on a flat surface and remove the stay [A]. (🔧×3)



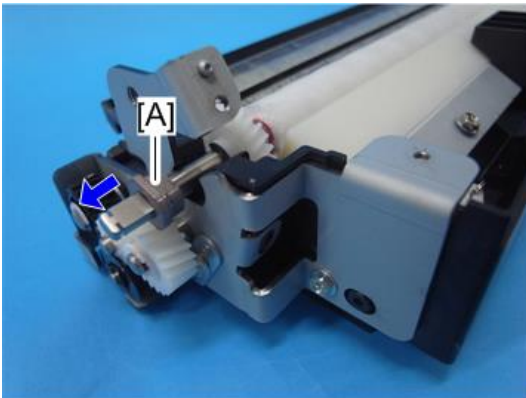
m205a2319

3. Front gear [A] (1x1)



m205a2320

4. Bearing [A]



m205a2321

5. Rear bearing [A] (1x1, 1x1)

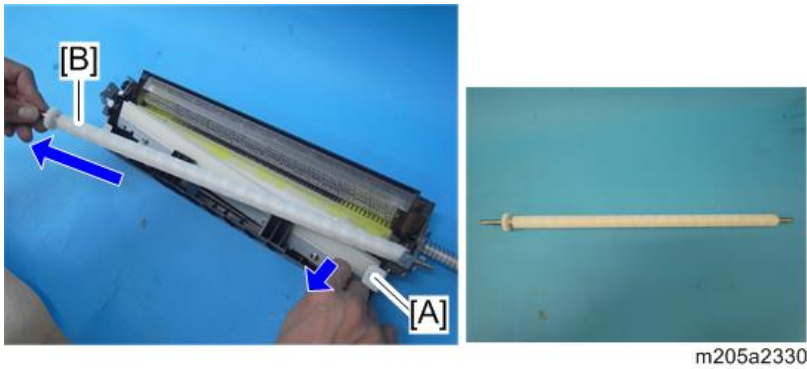


m205a2327

6. Shift the front side of paper transfer lubricant bar [A] in the direction shown below. Remove the front side of the paper transfer lubrication roller [B].



7. Shift the rear side of paper transfer lubricant bar [A] in the direction shown below. Remove the rear side of the paper transfer lubrication roller [B].



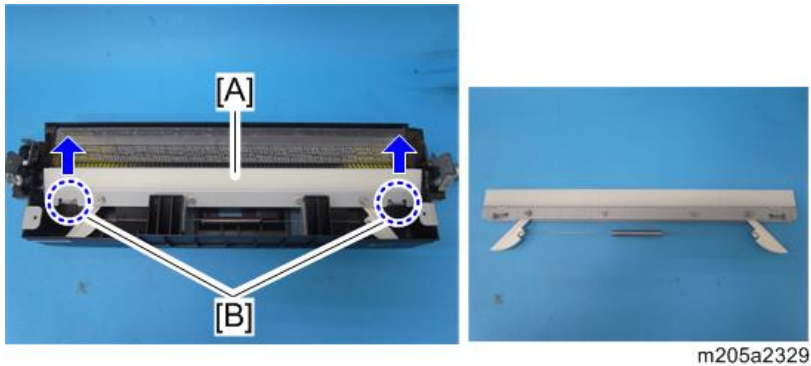
Note

- When removing the paper transfer lubrication roller, avoid touching the paper transfer lubricant bar.

Paper Transfer Lubricant Bar

1. Paper transfer lubrication roller (page 878)

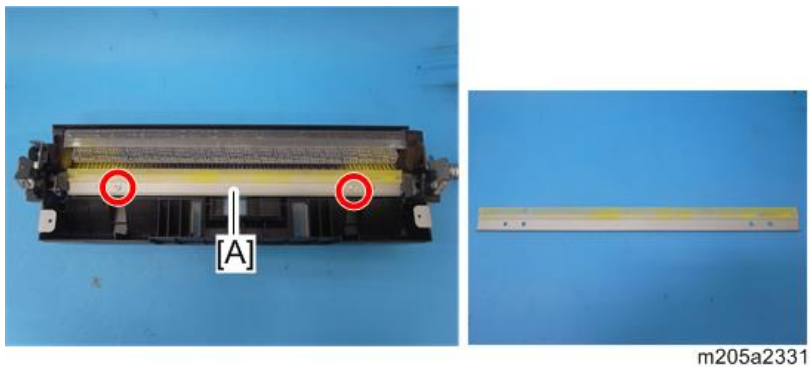
2. Hold the two grips [B] of the paper transfer lubricant bar [A] and lift it up to remove it.



4

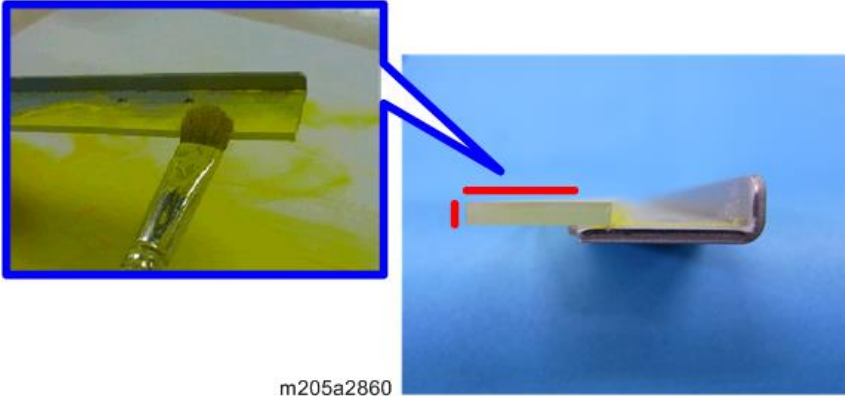
Paper Transfer Cleaning Blade

1. Paper transfer lubricant bar (page 880)
2. Paper transfer cleaning blade [A] (⊗ *2)



↓ Note

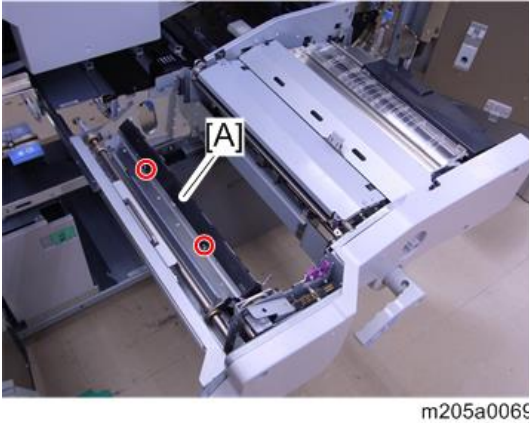
- Before installing, be sure to apply yellow toner (D0149500) evenly on the faces of the new blade (indicated in the diagram below with red lines).



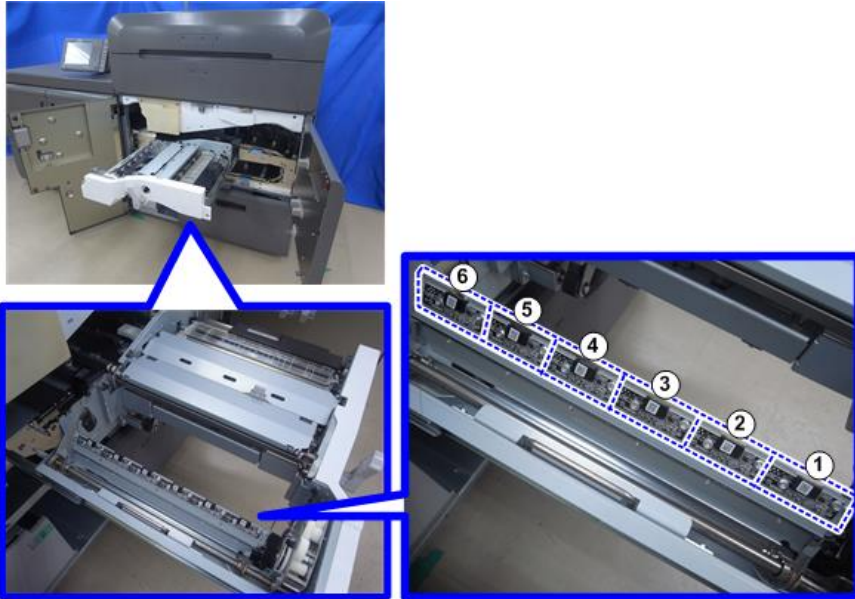
4

ID/MUSIC Sensors (TM/P Sensors)

1. Remove the paper transfer unit (PTR) from the drawer unit. (page 868 "Paper Transfer Belt Unit")
2. ID/MUSIC sensor bracket [A] (🔩 ×2)



After the ID/MUSIC sensor bracket is removed, MUSIC/ID sensors are in a line as shown below.

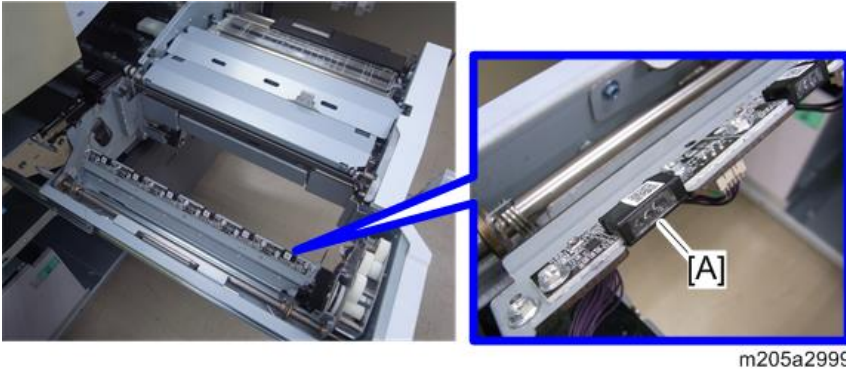


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①	MUSIC Sensor (Front)
②	ID Sensor (K)
③	ID Sensor (C)
④	ID/MUSIC Sensor (M/Center)
⑤	ID Sensor (Y)
⑥	MUSIC Sensor (Rear)

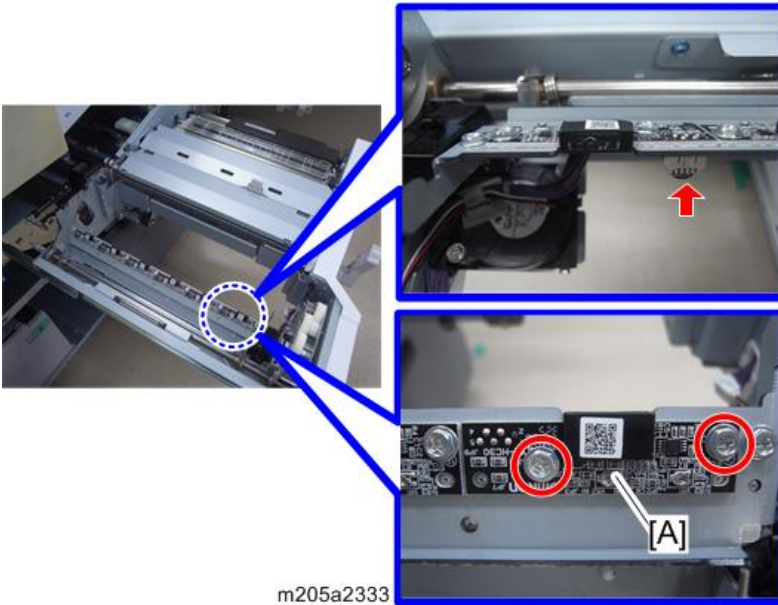
↓ Note

- Do not touch the detecting surface [A] of the MUSIC/ID sensors by hands. If you touched the surface of the MUSIC/ID sensors, clean them with damp cloth.
Example below: MUSIC sensor (front)



3. MUSIC sensor (front) [A] (🔧 ×1, 🔩 ×2)

4



↓ Note

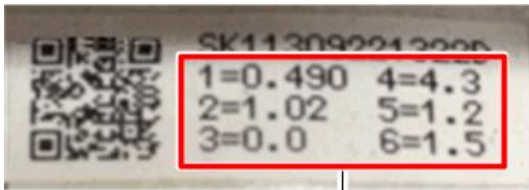
- Remove MUSIC/ID sensor (K), (C), (M/center), (Y), (rear) as well. (🔧 ×1, 🔩 ×2)

Adjustment after replacing the ID/MUSIC Sensors

Because each ID/MUSIC sensor has different characteristics, you need to enter the characteristic values for the new ID/MUSIC sensor in the SP mode. Perform the following procedure to enter the characteristic values, then execute the process control.

1. Connect the two power cords into the power plugs.
2. Turn on the AC power switch, and then the main power switch.

3. Check the six numbers [A] written on the sheet provided with the new ID/MUSIC sensor.



m205a0180

[A]

4. Enter the SP mode, and then enter the characteristic values of the new ID/MUSIC sensor.

Enter the six numbers written on the sheet provided with the new ID/MUSIC sensor into the SP (001 to 006) shown below. (Example: When "2=1.02" is written on the sheet provided with the new MUSIC Sensor (Front), enter "1.02" in SP3-333-002.)

4

When replacing the MUSIC Sensor (Front)

SP No.	SP Name
SP3-333-001	ID.Sens Coef :Set(Front): K2: Check
SP3-333-002	ID.Sens Coef :Set(Front): Diffuse Corr
SP3-333-003	ID.Sens Coef :Set(Front): Vct_reg_Slope Check
SP3-333-004	ID.Sens Coef :Set(Front): Vct_reg_Xint Check
SP3-333-005	ID.Sens Coef :Set(Front): Vct_dif_Slope Check
SP3-333-006	ID.Sens Coef :Set(Front): Vct_dif_Xint Check

When replacing the ID Sensor (K)

SP No.	SP Name
SP3-334-001	ID.Sens Coef :Set(K): K2: Check
SP3-334-002	ID.Sens Coef :Set(K): Diffuse Corr
SP3-334-003	ID.Sens Coef :Set(K): Vct_reg_Slope Check
SP3-334-004	ID.Sens Coef :Set(K): Vct_reg_Xint Check
SP3-334-005	ID.Sens Coef :Set(K): Vct_dif_Slope Check
SP3-334-006	ID.Sens Coef :Set(K): Vct_dif_Xint Check

When replacing the ID Sensor (C)

SP No.	SP Name
SP3-335-001	ID.Sens Coef :Set(C): K2: Check
SP3-335-002	ID.Sens Coef :Set(C): Diffuse Corr
SP3-335-003	ID.Sens Coef :Set(C): Vct_reg_Slope Check
SP3-335-004	ID.Sens Coef :Set(C): Vct_reg_Xint Check
SP3-335-005	ID.Sens Coef :Set(C): Vct_dif_Slope Check
SP3-335-006	ID.Sens Coef :Set(C): Vct_dif_Xint Check

When replacing the ID/MUSIC Sensor (M/Center)

SP No.	SP Name
SP3-336-001	ID.Sens Coef :Set(M): K2: Check
SP3-336-002	ID.Sens Coef :Set(M): Diffuse Corr
SP3-336-003	ID.Sens Coef :Set(M): Vct_reg_Slope Check
SP3-336-004	ID.Sens Coef :Set(M): Vct_reg_Xint Check
SP3-336-005	ID.Sens Coef :Set(M): Vct_dif_Slope Check
SP3-336-006	ID.Sens Coef :Set(M): Vct_dif_Xint Check

When replacing the ID Sensor (Y)

SP No.	SP Name
SP3-337-001	ID.Sens Coef :Set(Y): K2: Check
SP3-337-002	ID.Sens Coef :Set(Y): Diffuse Corr
SP3-337-003	ID.Sens Coef :Set(Y): Vct_reg_Slope Check
SP3-337-004	ID.Sens Coef :Set(Y): Vct_reg_Xint Check
SP3-337-005	ID.Sens Coef :Set(Y): Vct_dif_Slope Check
SP3-337-006	ID.Sens Coef :Set(Y): Vct_dif_Xint Check

When replacing the MUSIC Sensor (Rear)

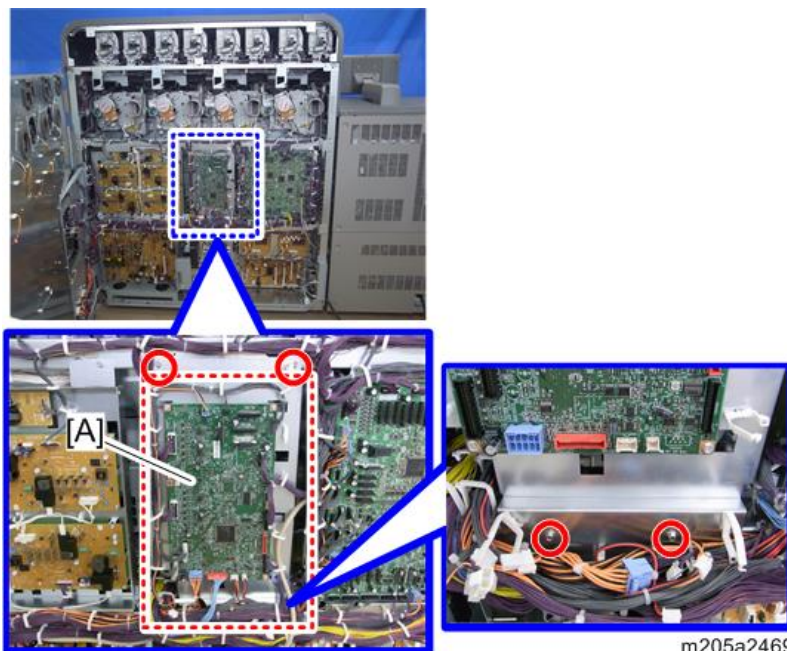
SP No.	SP Name
SP3-338-001	ID.Sens Coef :Set(Rear): K2: Check
SP3-338-002	ID.Sens Coef :Set(Rear): Diffuse Corr
SP3-338-003	ID.Sens Coef :Set(Rear): Vct_reg_Slope Check
SP3-338-004	ID.Sens Coef :Set(Rear): Vct_reg_Xint Check
SP3-338-005	ID.Sens Coef :Set(Rear): Vct_dif_Slope Check
SP3-338-006	ID.Sens Coef :Set(Rear): Vct_dif_Xint Check

- Execute the process control manually with SP3-011-002 (Manual ProCon :Exe: Density Adjustment).

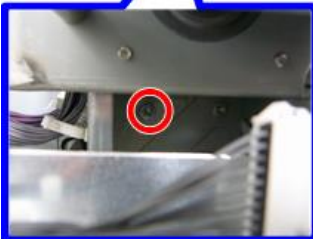
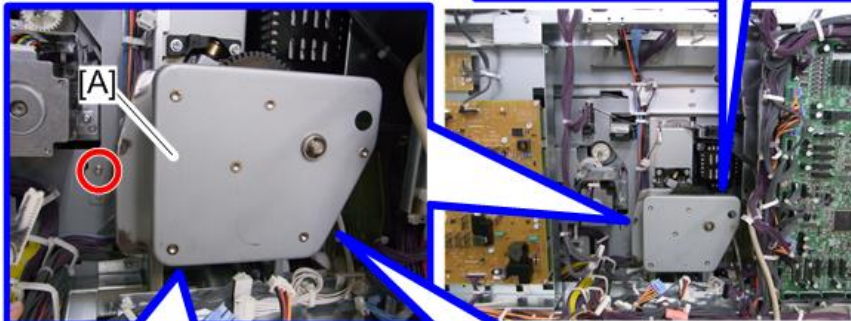
4

PTR Pressure Motor

- Open the rear box. (page 691)
- Remove the TDCU [A] with the bracket attached. (🔑×4, 📦×ALL)

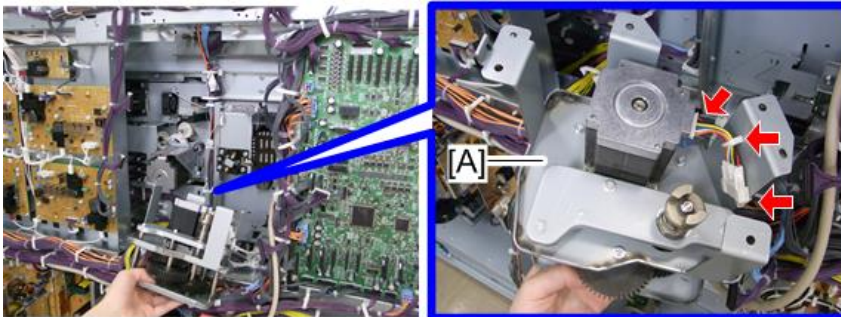


3. Motor bracket [A] (🔩×4)



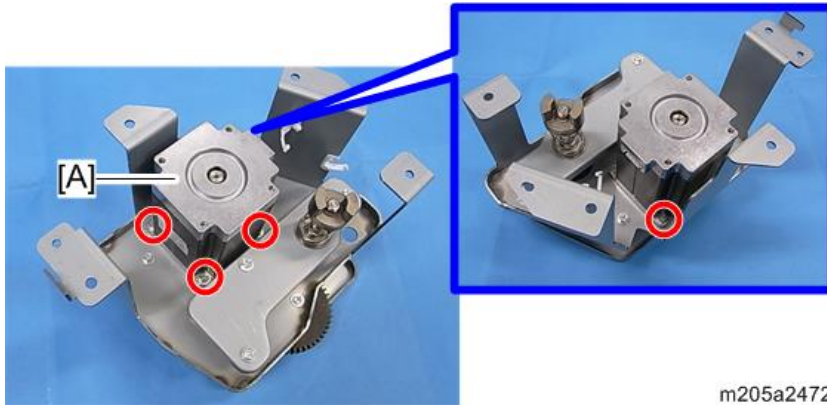
↓ Note

- When removing motor bracket [A], disconnect a connector and open two clamps that are on the inside. (🔧×1, 🛠️×2)



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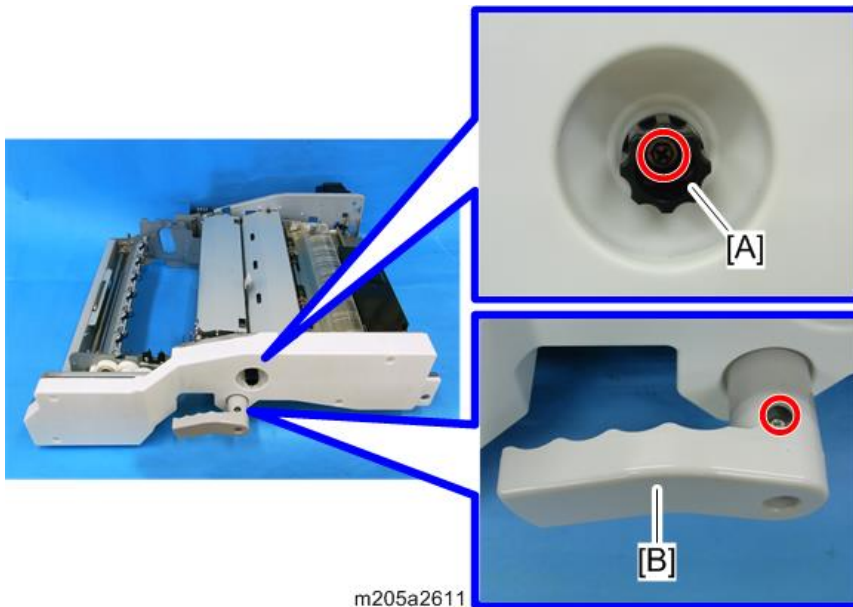
4. PTR pressure motor [A] (⊙ ×4)



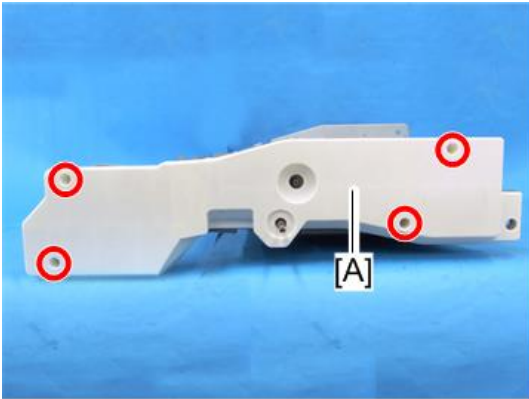
4

Paper Transfer Pressure Unit

1. Drawer unit (page 1061)
2. Remove the paper transfer unit (PTR) from the drawer unit. (page 868 "Paper Transfer Belt Unit")
3. Remove knob [A] and handle [B] of the drawer unit. (⊙ ×2)

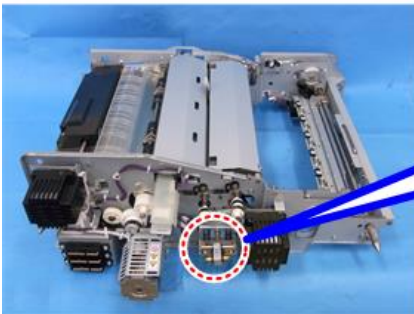


4. Drawer unit inner cover [A] (⌀ ×4)

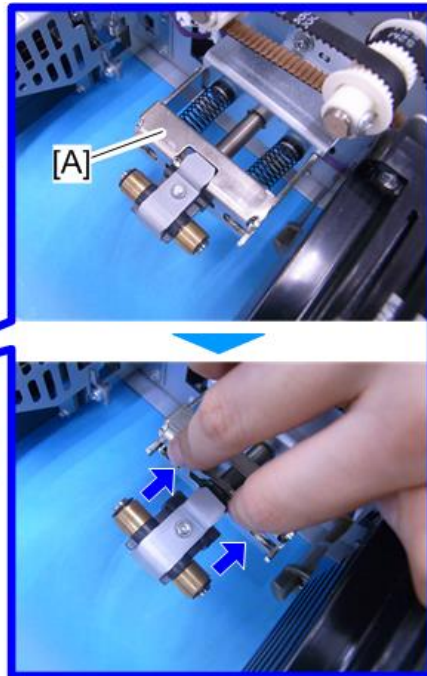


m205a2612

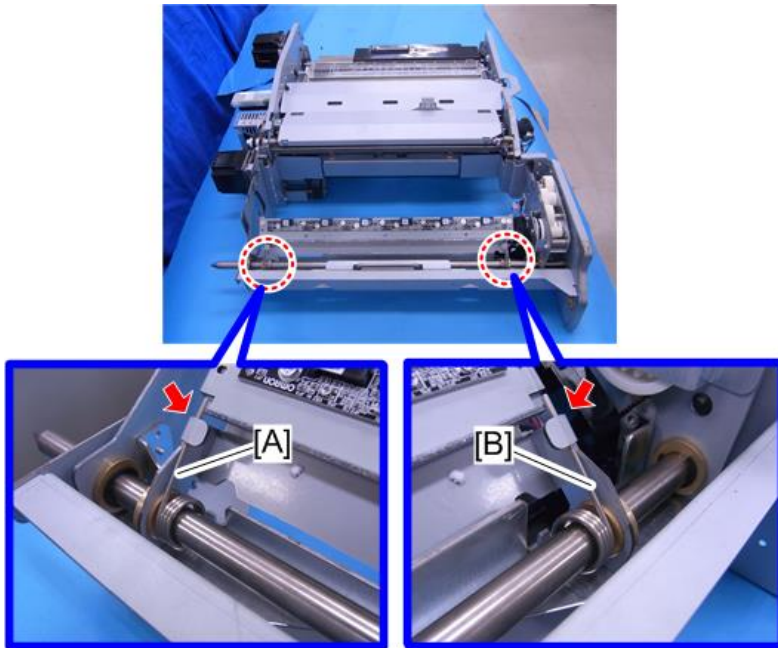
5. Press the lever [A] at the rear side of the drawer unit in the arrow direction shown below to unlock the paper transfer pressure unit.



m205a2874

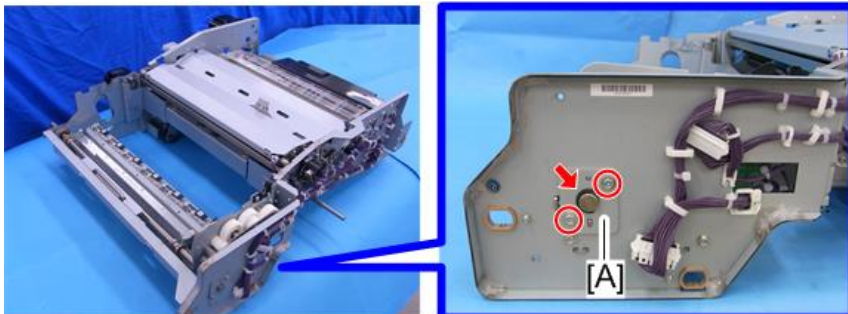


6. Unfasten the torsion springs [A] and [B].



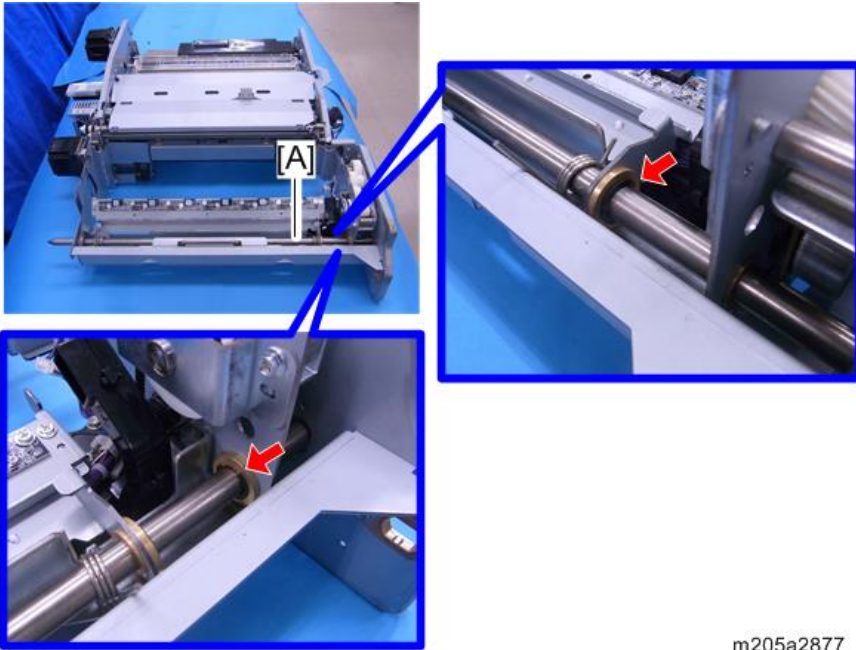
m205a2875

7. Remove the bracket [A] from the front side of the drawer unit. (⌀×2, ⌀×1)



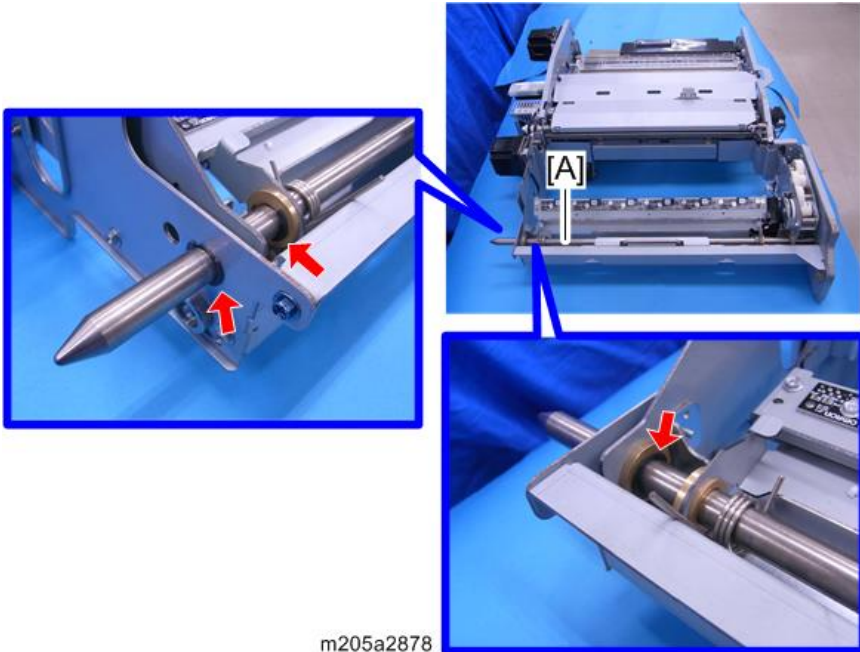
m205a2876

8. Remove the E-rings from the front side of the shaft [A]. (6)×2



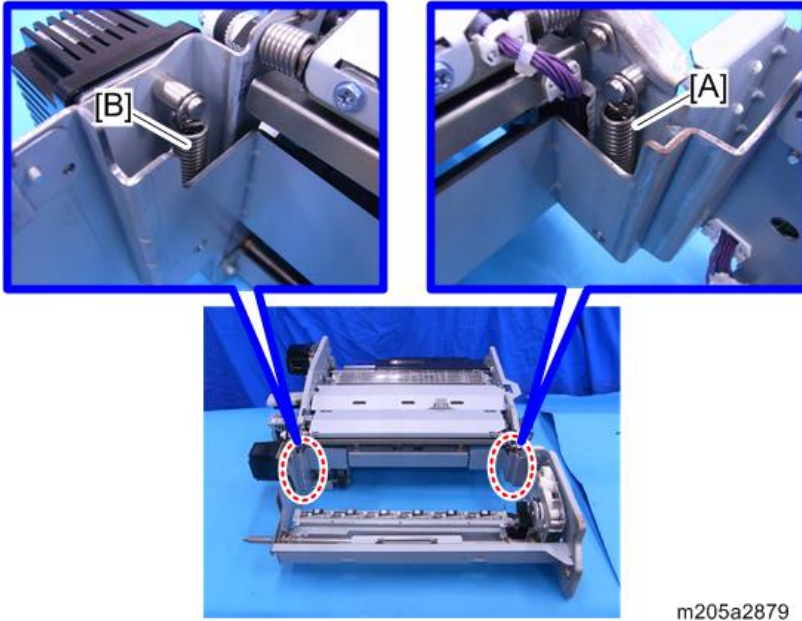
m205a2877

9. Remove the E-rings from the rear side of the shaft [A]. (6)×3

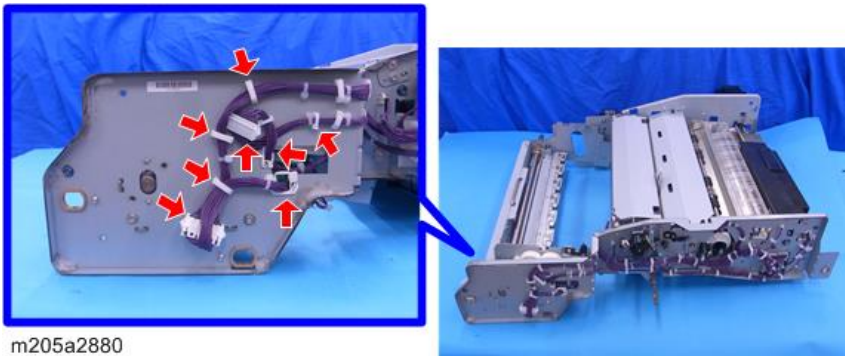


m205a2878

10. Springs [A] and [B] (🌀x2)

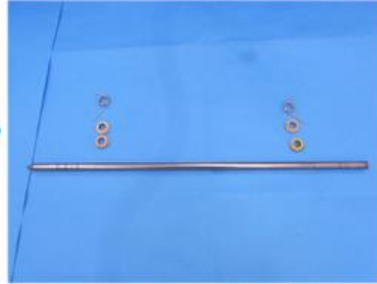
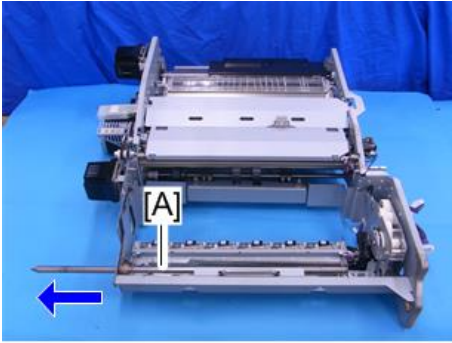


11. Open the clamps and disconnect the connectors at the front side of the drawer unit. (🔧x6, 📦x2)



12. Pull out the shaft [A] backwards.

When pulling out the shaft, remove four bearings and two torsion springs together.

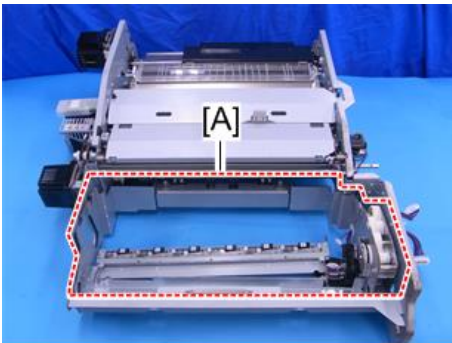


m205a2881

Note

- When re-installing the shaft, insert the shaft from front side of the drawer unit.

13. Remove the paper transfer pressure unit [A] from the drawer unit, and then place it on a flat surface.

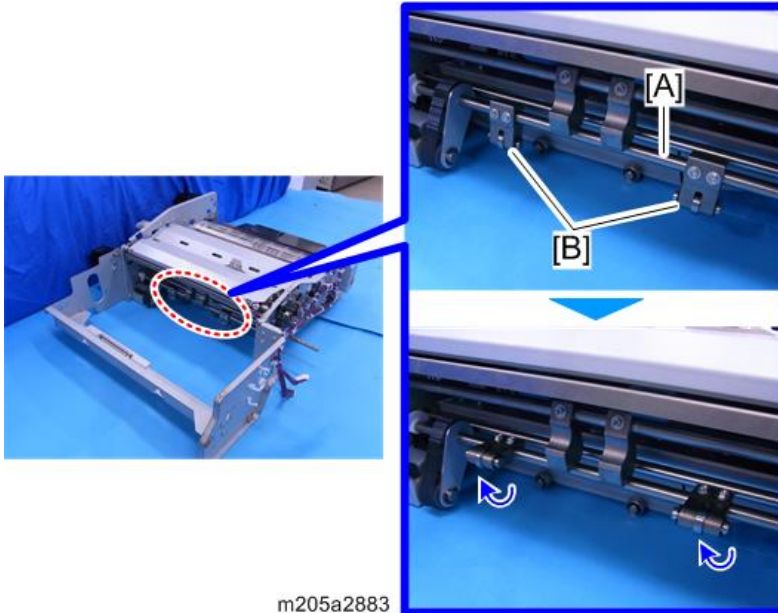


m205a2882

Position Sensor

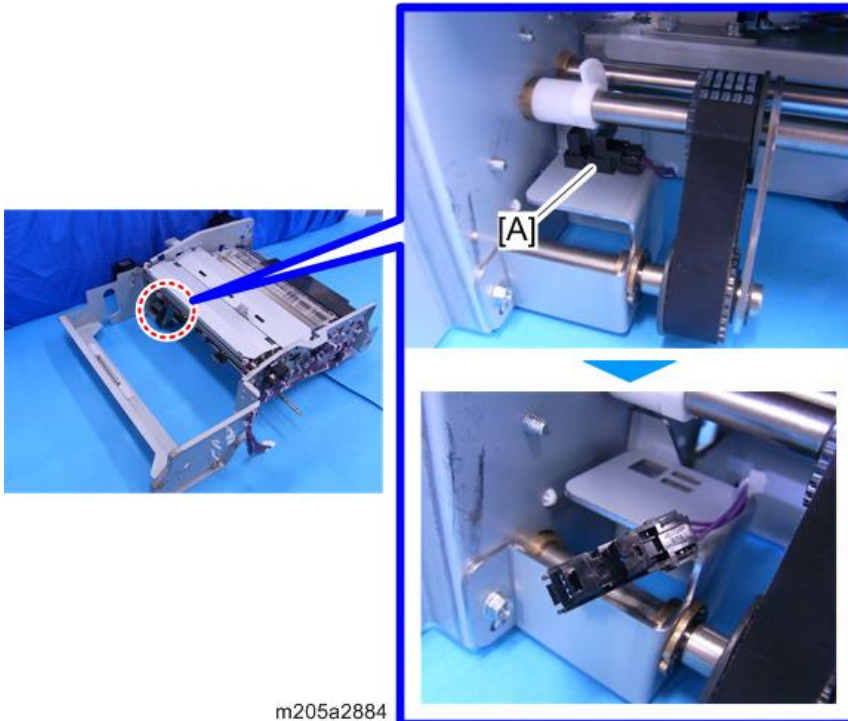
1. Paper transfer pressure unit (page 889)

2. Rotate the pressure shaft [A] 90 degrees clockwise and pull out arms [B] to the position shown below.



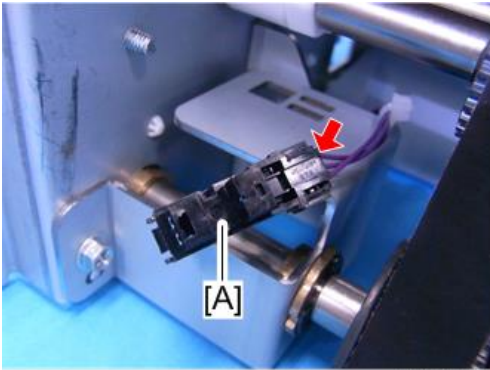
m205a2883

3. Remove the position sensor [A] from the drawer unit.



m205a2884

4. Position sensor [A] (🔧 ×1)

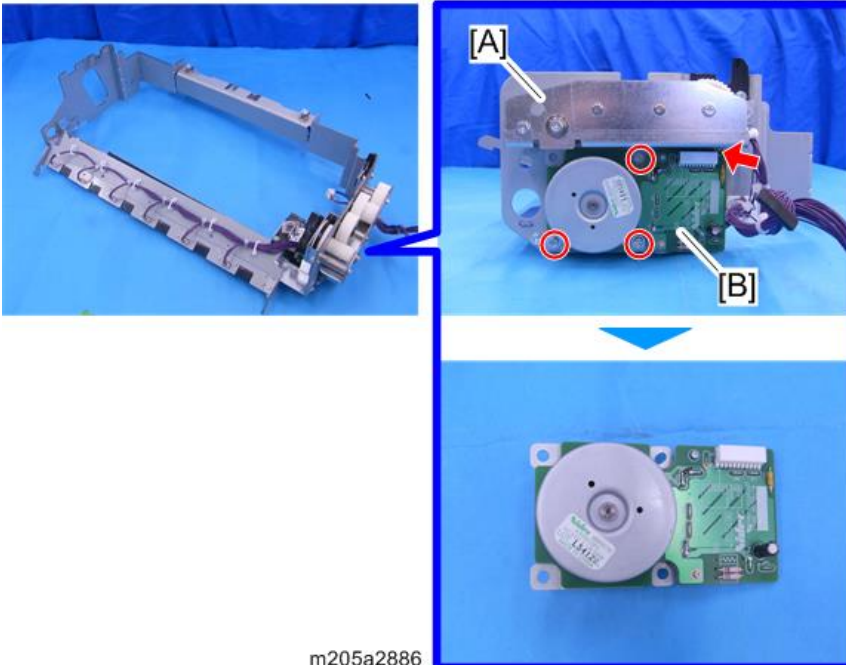


m205a2885

4

PTR Motor

1. Paper transfer pressure unit (page 889)
2. Remove the PTR motor [B] from the paper transfer pressure unit [A]. (🔧 ×3, 📦 ×1)

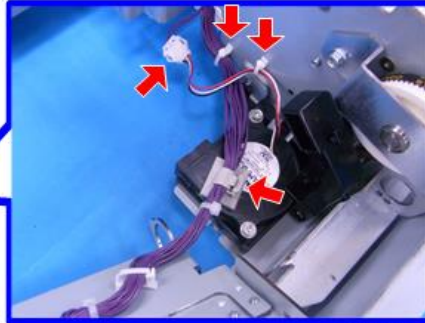
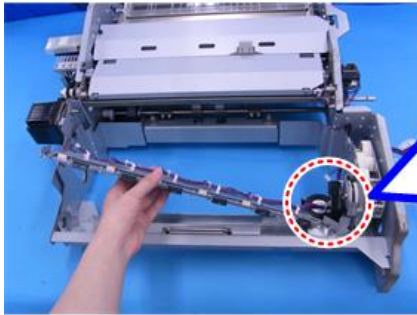
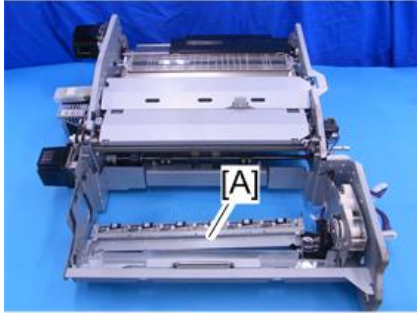


m205a2886

ID Sensor Cleaning Fan

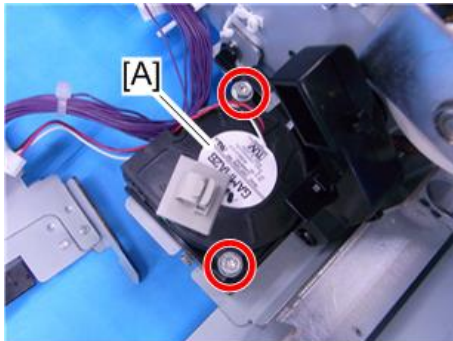
1. Paper transfer pressure unit (page 889)

2. Turn over the TM/ID sensor bracket [A], and then open the clamps and disconnect the connectors. (🔩×3, 📦×1)



m205a2887

3. ID sensor cleaning fan [A] (🔩×2)



m205a2888

Paper Feed Section (Tray 1)

Paper Tray Section (Tray 1)

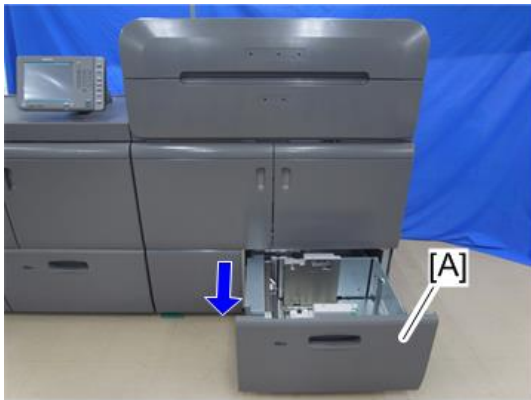
Paper Tray 1

★ Important

- The tray weighs about 30kg. Since it is heavy, two or more people are required to move it and be sure to handle it with care.

4

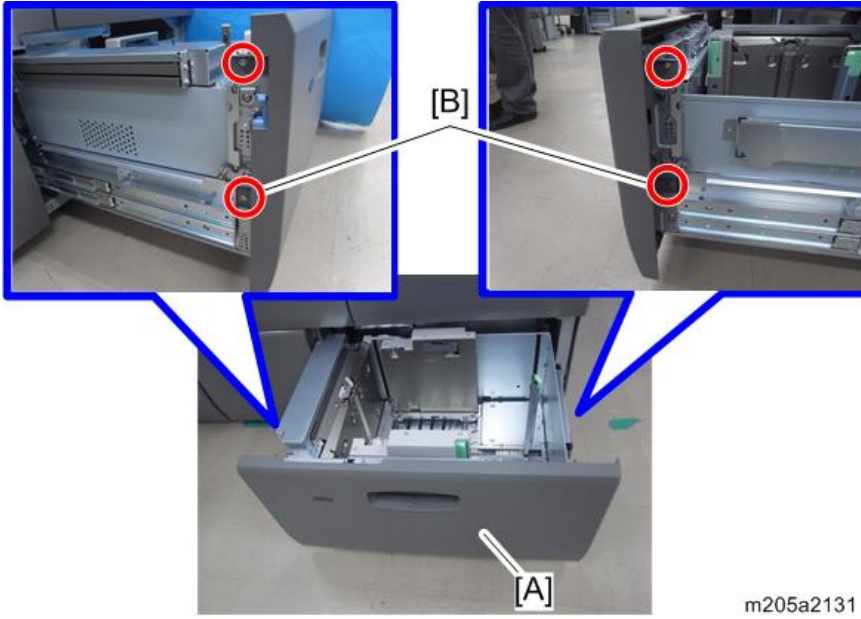
1. Pull out the paper tray 1 [A].



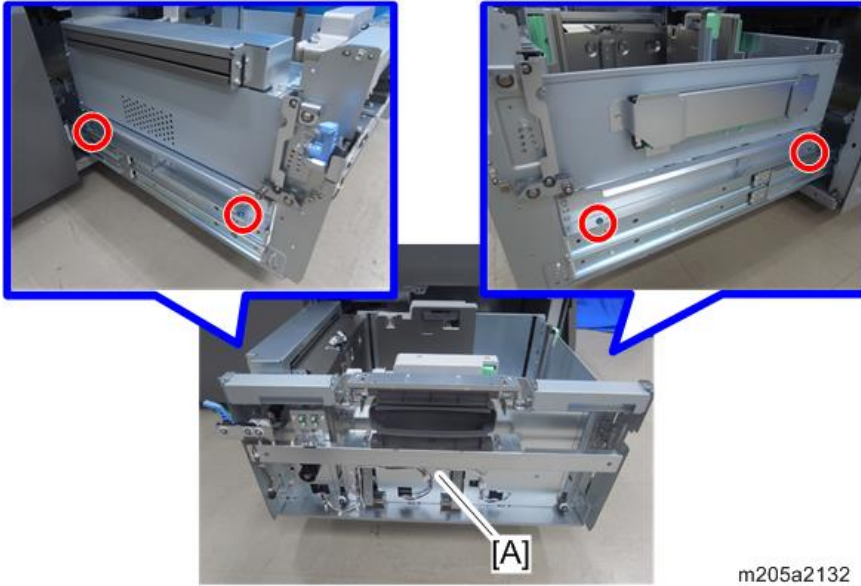
m205a2133

2. Pull the front cover [A] of the tray to the front, and then remove it. (🔩×2, 🛠️×2)

- The lower screws [B] are shoulder screws.

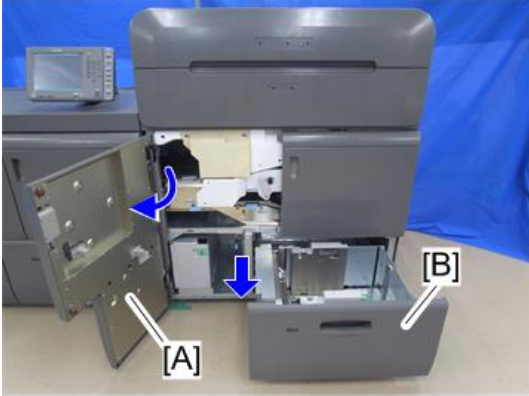


3. Paper tray 1 [A] (⊗x4)



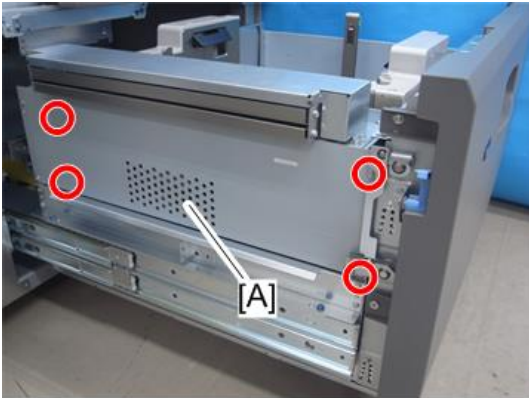
Paper Feed Roller Unit (Tray 1)

1. Open the front left door [A] of the fusing section and pull out paper tray 1 [B].



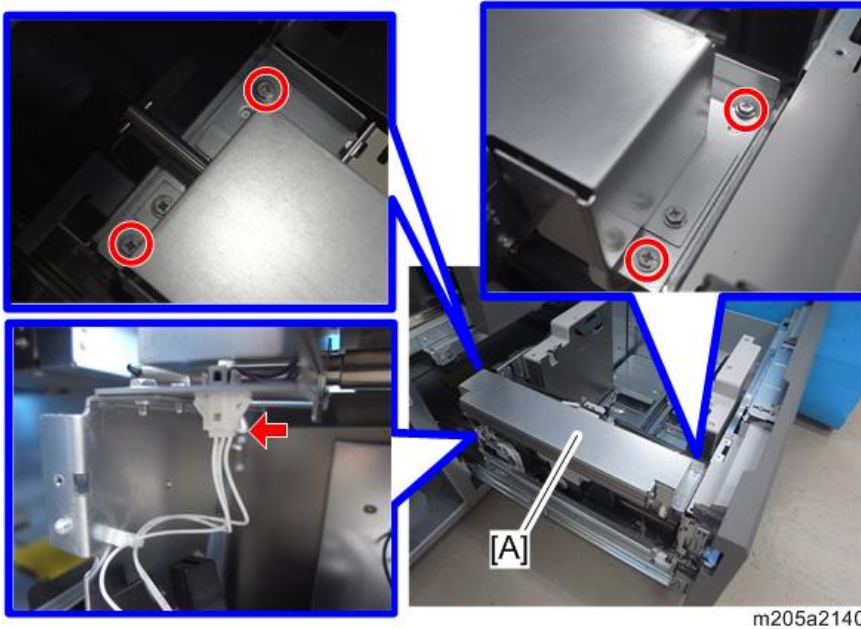
m205a2138

2. Remove the left upper cover [A] of paper tray 1. (🔑 x4)



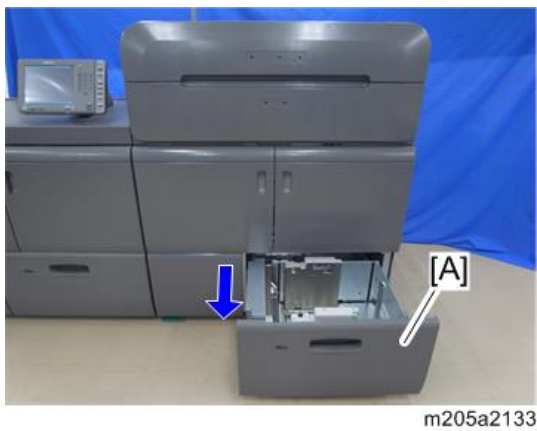
m205a2139

3. Paper feed roller unit (tray 1) [A] (⚙️ ×4, 📦 ×1)

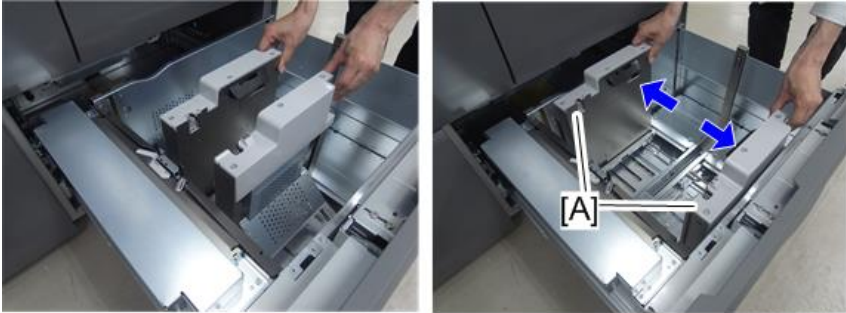


Paper Length Sensor 1, 2 (Tray 1)

1. Pull out the paper tray [A].



2. Grip the side fence lock and spread the side fence [A].



m205a2134

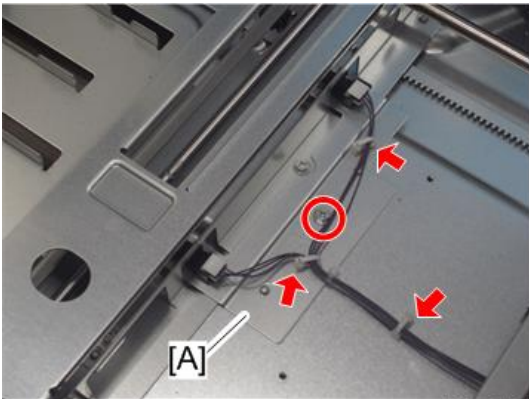
4

3. Sensor cover [A] (🔩×2)



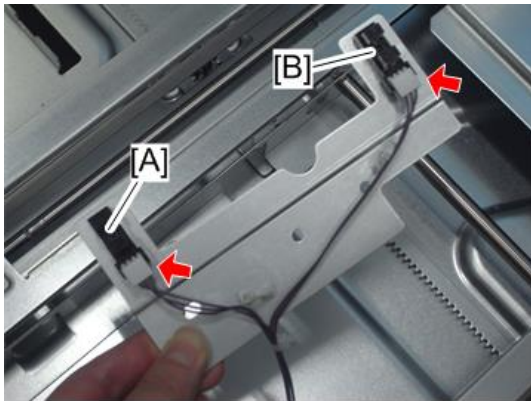
m205a2135

4. Sensor bracket [A] (🔩×3, 🛠️×1)



m205a2136

5. Paper length sensor 1 (tray 1) [A] (📦×1)

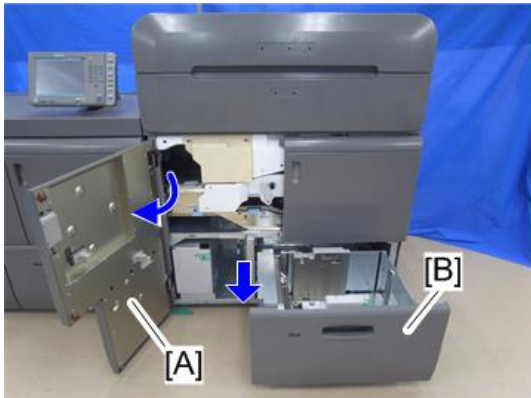
6. Paper length sensor 2 (tray 1) [B] ( x1)

m205a2137

4

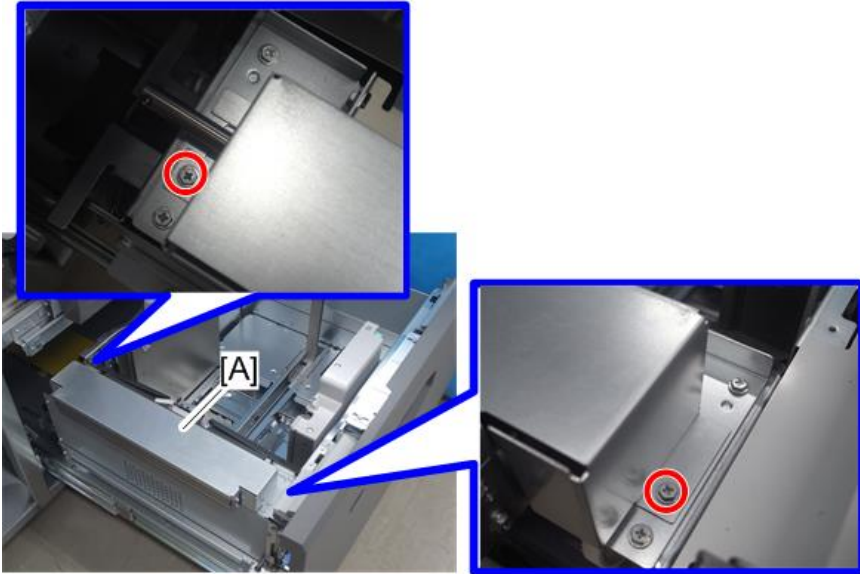
Paper Feed Sensor (Tray 1)

1. Open the front left door [A] of the fusing section and pull out paper tray 1 [B].

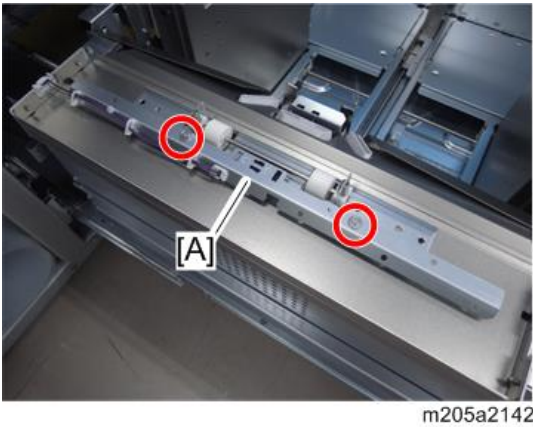


m205a2138

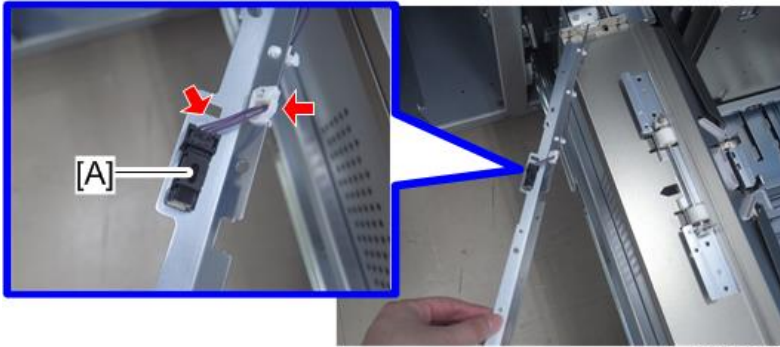
2. Remove the upper cover [A] of paper feed roller unit (tray 1). (⚙️ ×2)



3. Remove the bracket [A] of paper feed sensor (tray 1). (⚙️ ×2)



4. Paper feed sensor (tray 1) [A] (🔩×1, 📦×1)



m205a2143

4

Paper Height Sub Sensor (Tray 1)

1. Float/separation fan duct (tray 1) (page 908)
2. Hold the pulley [A] while removing the screw, and then remove the pulley [A]. (🔩×1)



m205a2144

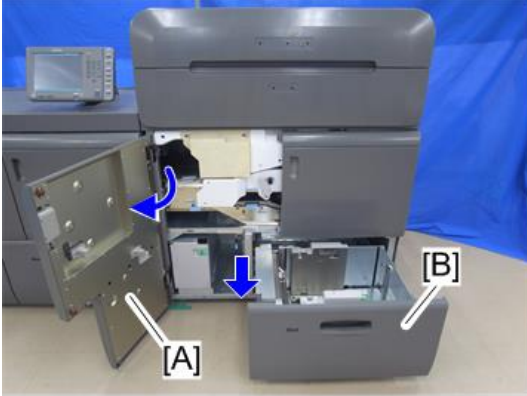
3. Paper height sub sensor (tray 1) [A] (📦×1)



m205a2145

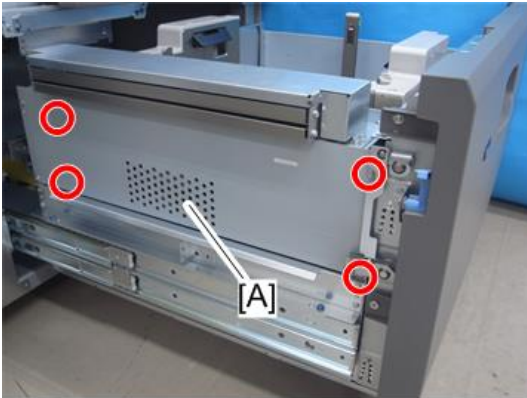
Paper Height Middle Sensor (Tray 1)

1. Open the front left door [A] of the fusing section and pull out paper tray 1 [B].



m205a2138

2. Remove the upper left cover [A] of paper tray 1. (🔩 x4)



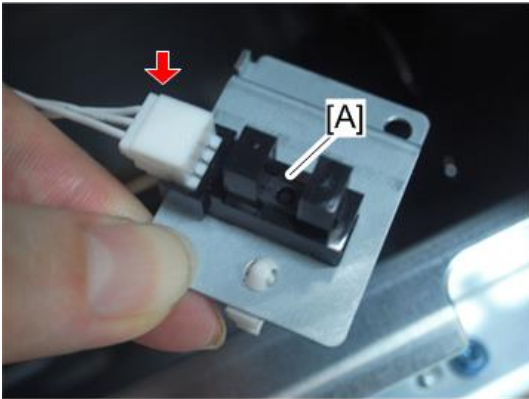
m205a2139

3. Sensor bracket [A] (🔩 x1, 🛠️ x1)



m205a2146

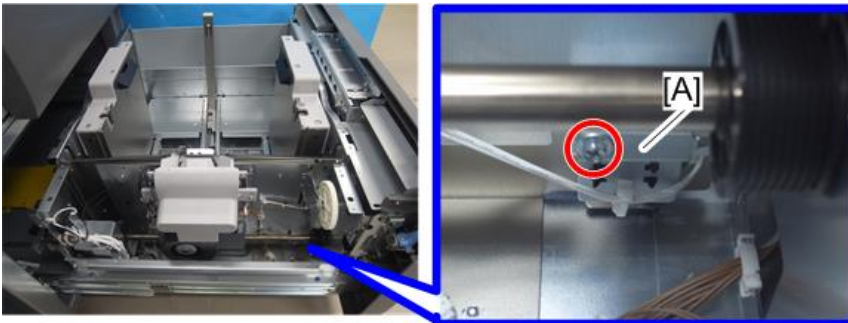
4. Paper height middle sensor (tray 1) [A] (📦 ×1)



m205a2147

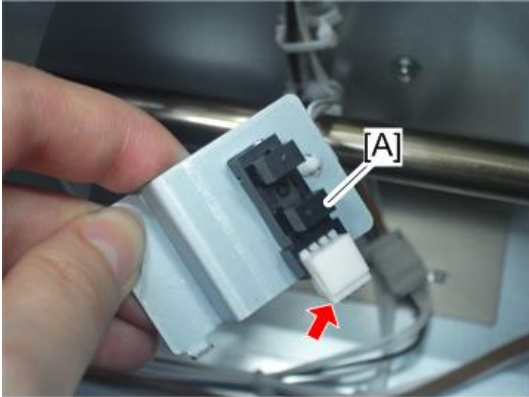
Lower Limit Sensor (Tray 1)

1. Paper feed roller unit (tray 1) (page 900)
2. Sensor bracket [A] (📦 ×1)



m205a2148

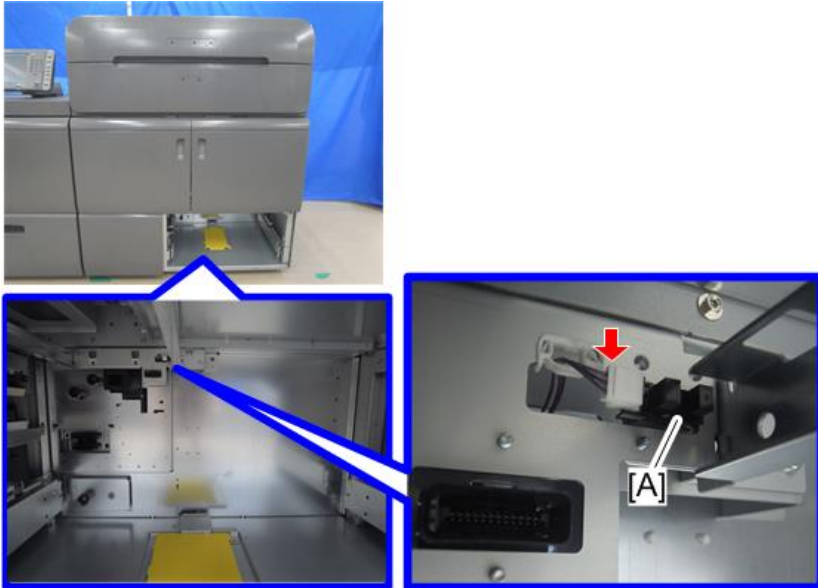
3. Lower limit sensor (tray 1) [A] (📦 x1)



m205a2149

Over Limit Sensor (Tray 1)

1. Paper tray 1 (page 898)
2. Paper feed belt unit (tray 1) (page 945)
3. Over limit sensor (tray 1) [A] (📦 x1)

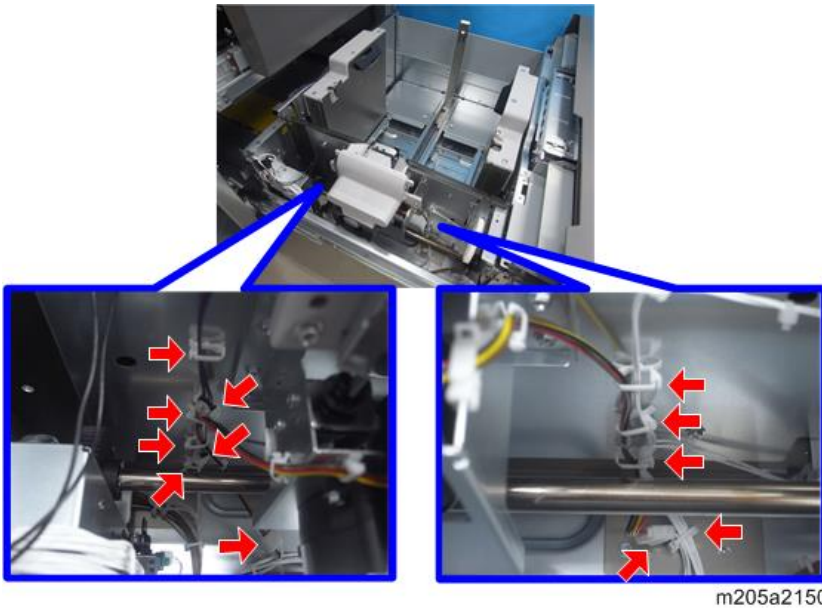


m205a2326

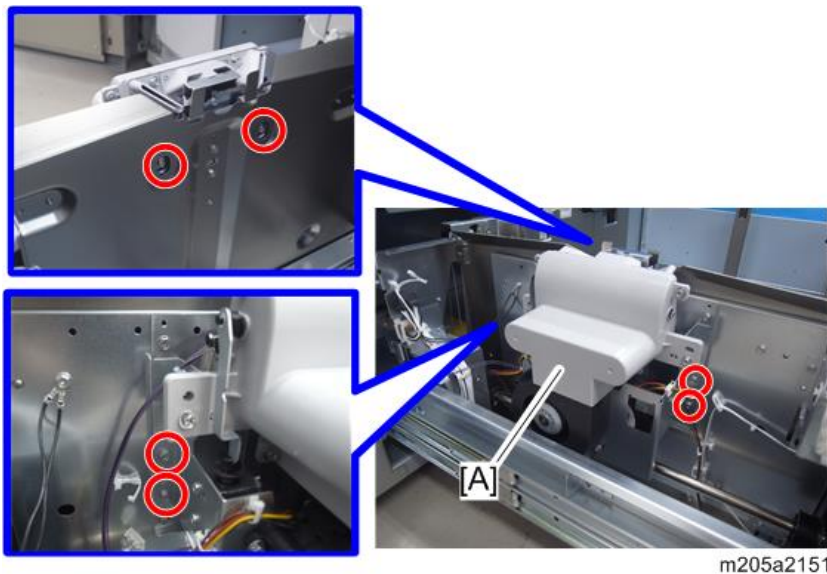
Float/Separation Fan Duct (Tray 1)

1. Paper feed roller unit (tray 1) (page 900)

2. Open eight clamps and disconnect four connectors. (🔗×8, 📡×4)



3. Float/separation fan duct (tray 1) [A] (🔩×6)

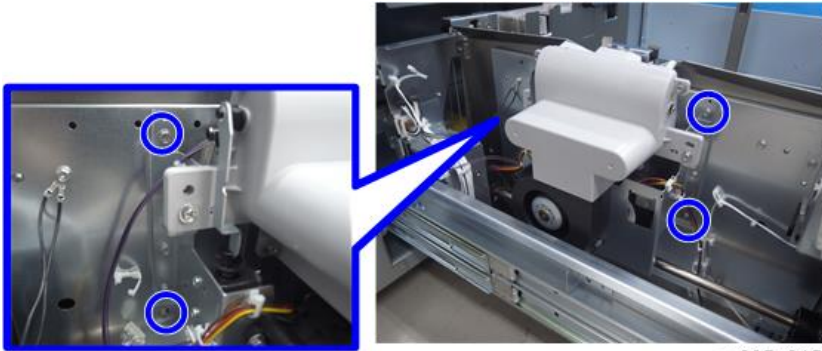


↓ **Note**

- When installing float/separation fan duct (tray 1), connect the connector firstly, and then install the duct. It is difficult to connect the connector if the duct is installed firstly.

★ Important

- Do not remove the four screws shown below. The position of the bracket these screws fix is adjusted at the factory and cannot be adjusted in the field.

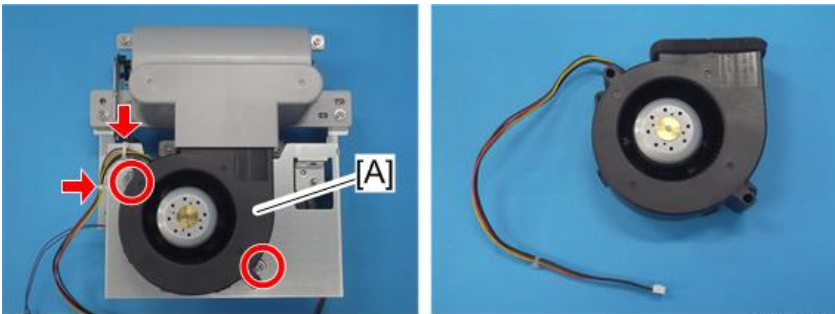


m205a2154

4

Float Fan (Tray 1)

1. Float/separation fan duct (tray 1) (page 908)
2. Float fan (tray 1) [A] (⊗×2, ⊙×2)

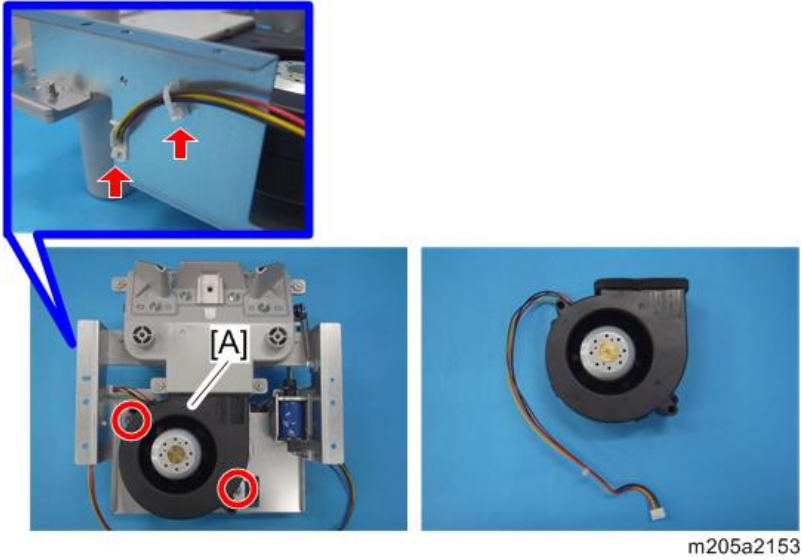


m205a2152

Separation Fan (Tray 1)

1. Float/separation fan duct (tray 1) (page 908)

2. Separation fan (tray 1) [A] (⌀×2, ⌀×2)



4

Front Side Fence (Tray 1)

1. Paper tray 1 (page 898)
2. Remove upper right cover [A] of paper tray 1. (⌀×4)

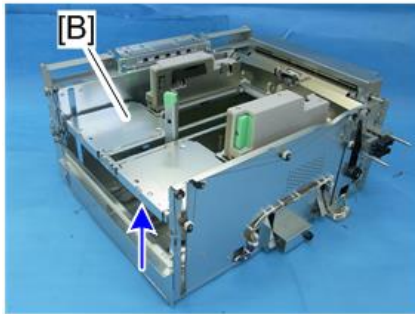


3. Rotate the wire take-up roller [A] at rear of paper tray 1 clockwise and raise the bottom plate [B] until you see it from the end fence side.

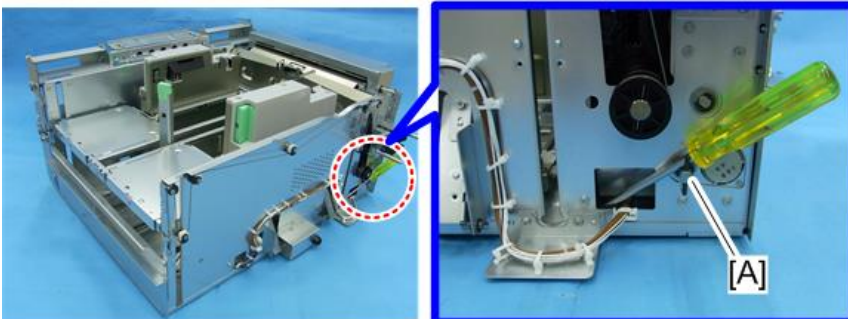


m205a2496

4

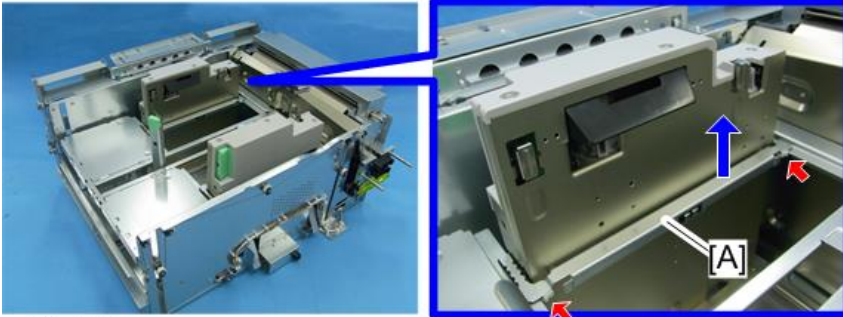


4. After the bottom plate is raised, insert a driver into the sheet metal hole located below the wire take-up roller so that the pin [A] does not rotate.



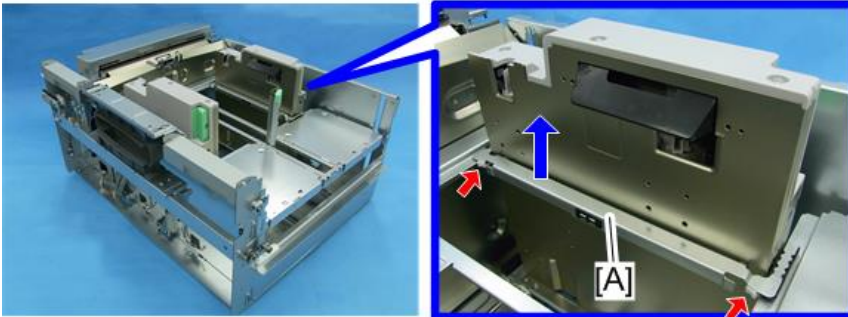
m205a2497

5. Front side fence guide [A] (🔩×2)



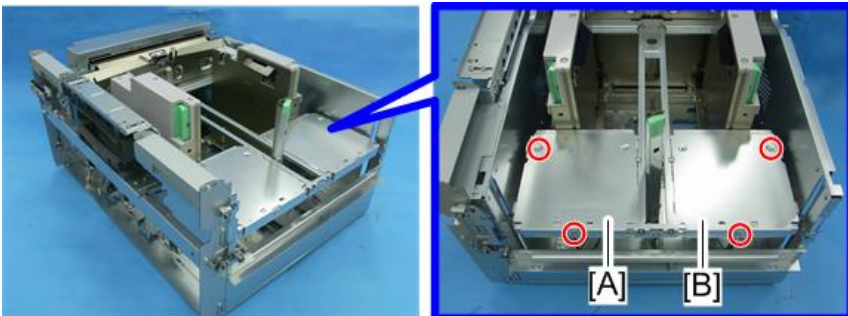
m205a2498

6. Rear side fence guide [A] (🔩×2)



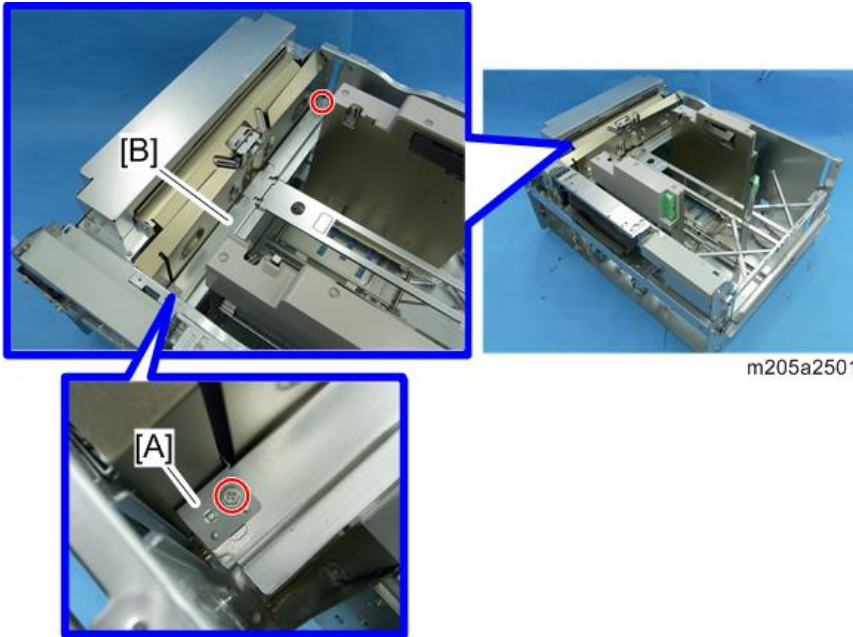
m205a2499

7. Bottom Plates [A] and [B] (🔩×2 each)



m205a2500

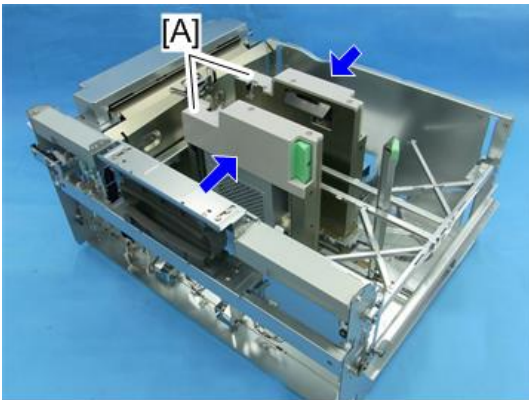
8. Remove the bracket [A], and then remove the plate [B] on the paper feed side. (Ⓜ×2)



m205a2501

4

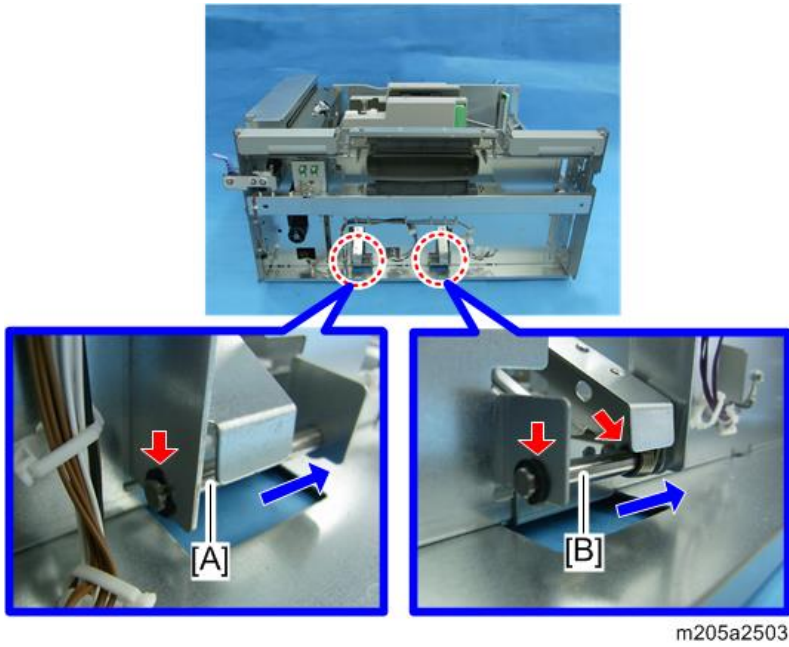
9. Close the side fence [A].



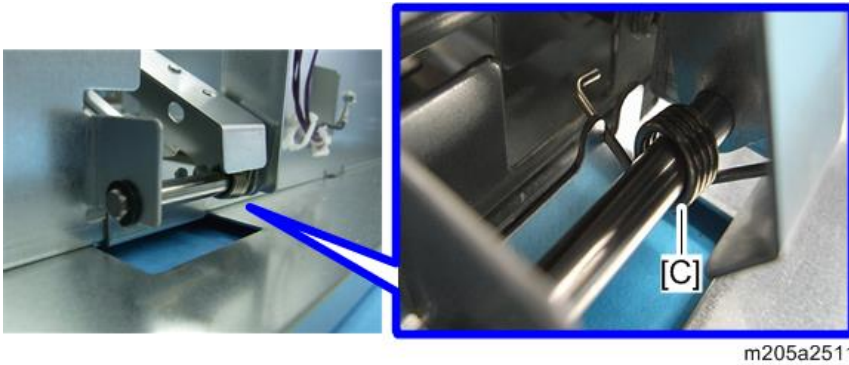
m205a2502

10. Front side fence shafts [A] and [B] (Ⓜ×2, Ⓢ×1)

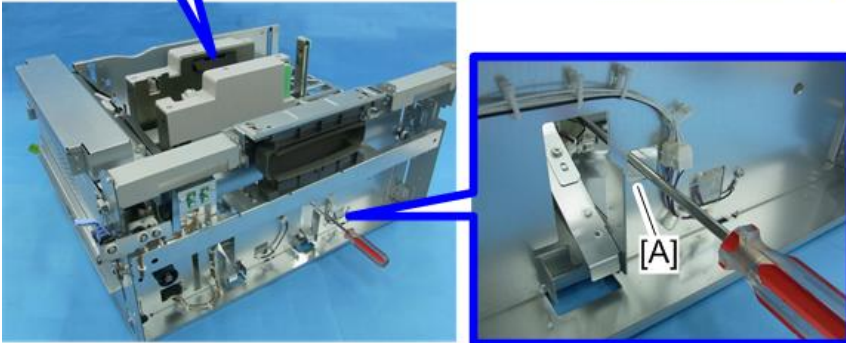
Pull out the shaft in the direction of the arrow. A spring is attached to the shaft [B].

**Note**

- When re-installing the shaft [B], attach the spring [C] as shown below.

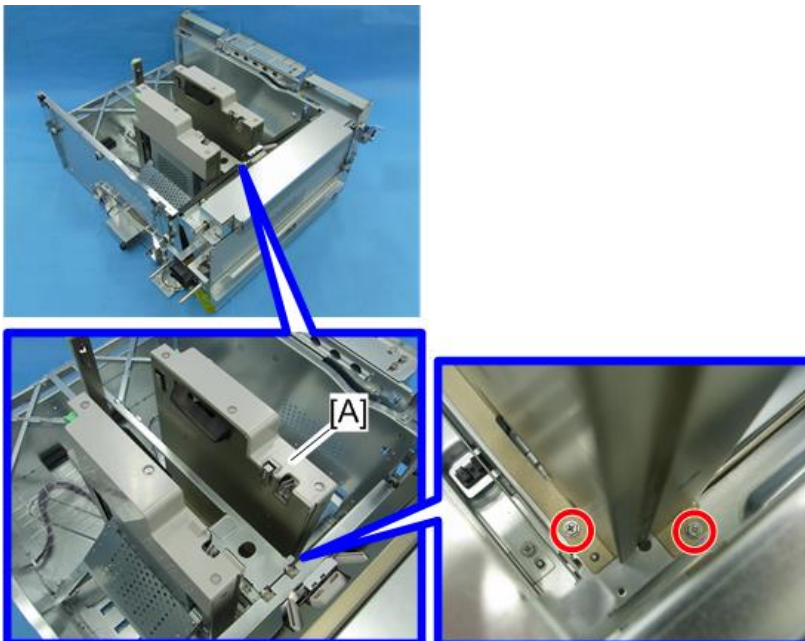


11. Insert a driver from the cut end [A] of the frame and remove the ground screw [B]. (🔩×1)



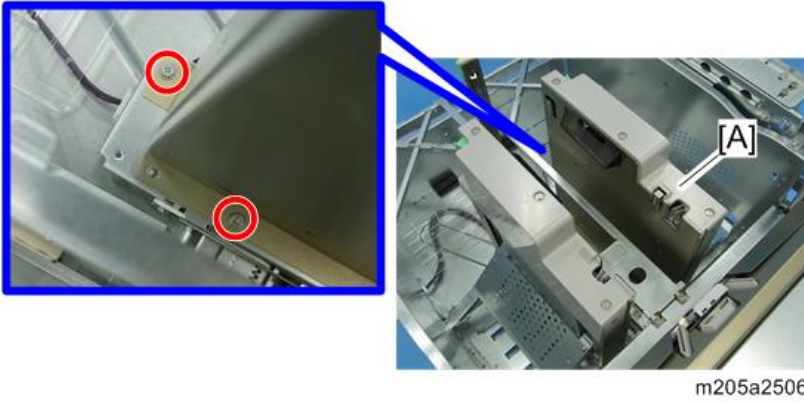
m205a2504

12. Remove two fixing screws of front side fence (tray 1) [A]. (🔩×2)



m205a2505

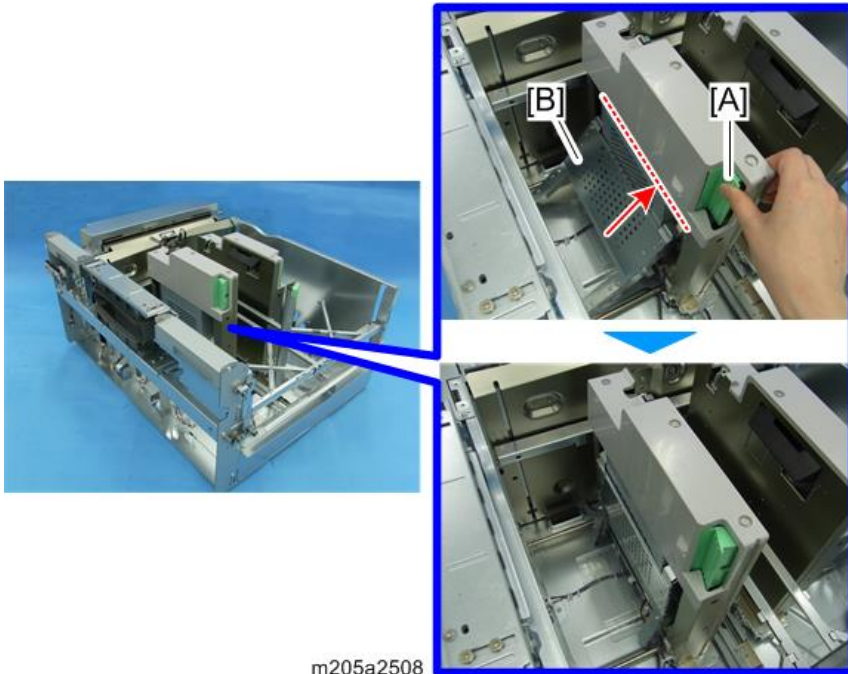
13. Remove two fixing screws of front side fence (tray 1) [A]. (🔩×2)



14. Open two clamps of the front side fence (tray 1). (🔧×2)

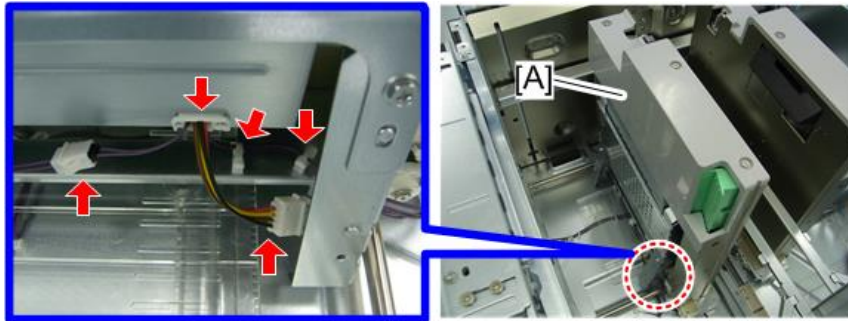


15. Pull the slide fence [B] up while pressing the lock lever [A].



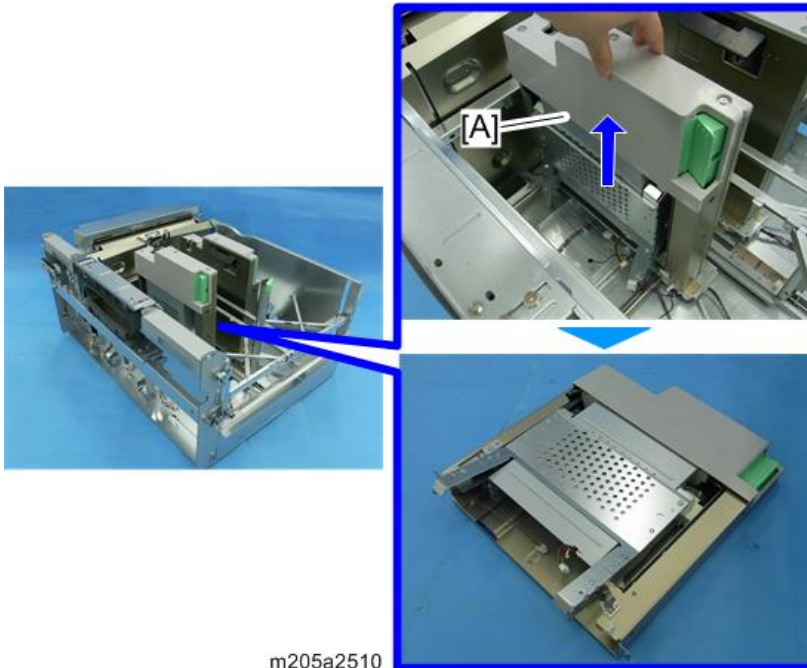
m205a2508

16. Disconnect two connectors and open three clamps located under slide fence [A]. (🔧 x2, 🛠️ x3)



m205a2509

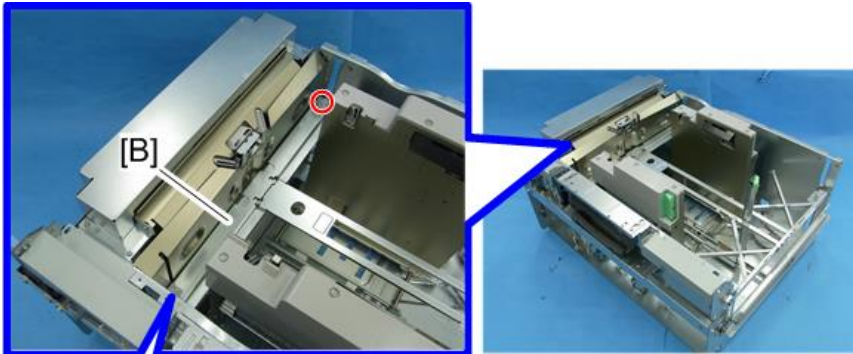
17. Lift the front side fence (tray 1) [A] and remove it.



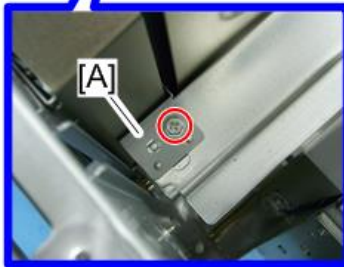
Rear Side Fence (Tray 1)

1. Remove the bottom plates of the paper tray 1. (page 911 "Front Side Fence (Tray 1)")

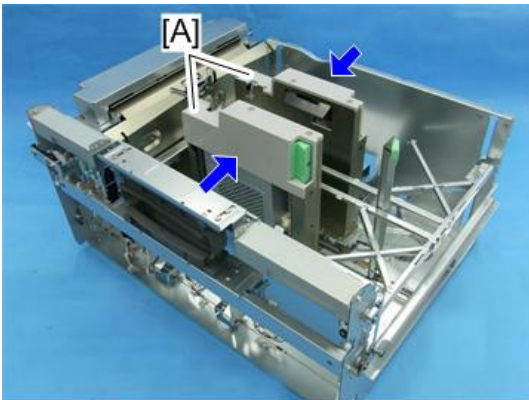
2. Remove bracket [A], and then remove plate [B] at the paper feed side. (S ×2)



m205a2501

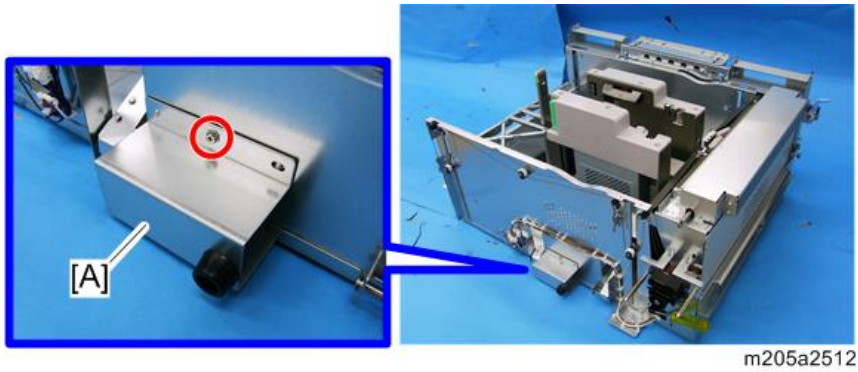


3. Close the side fence [A].



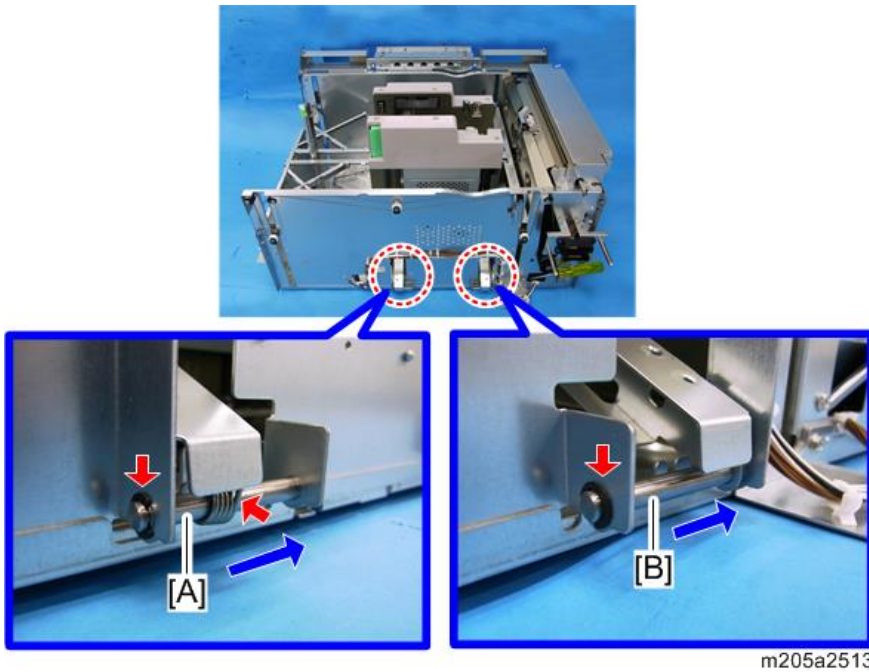
m205a2502

4. Remove the rear bracket [A] of the paper tray 1. (⚙️×1)



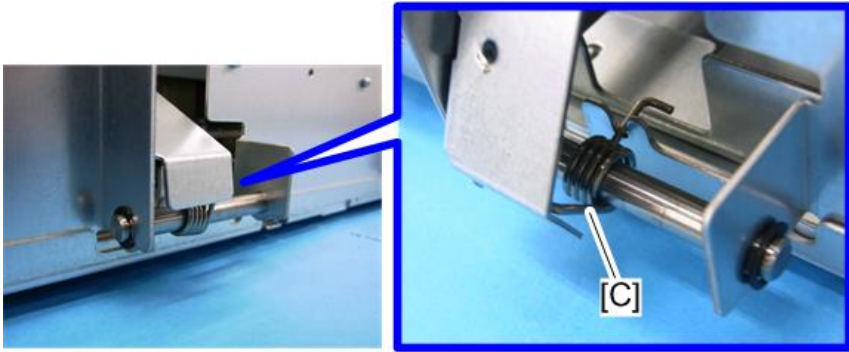
5. Remove the side fence shafts [A] and [B] at the rear. (⚙️×2, 🌀×1)

Pull out the shaft in the direction of the arrow. A spring is attached to the shaft [A].



⚠️ Note

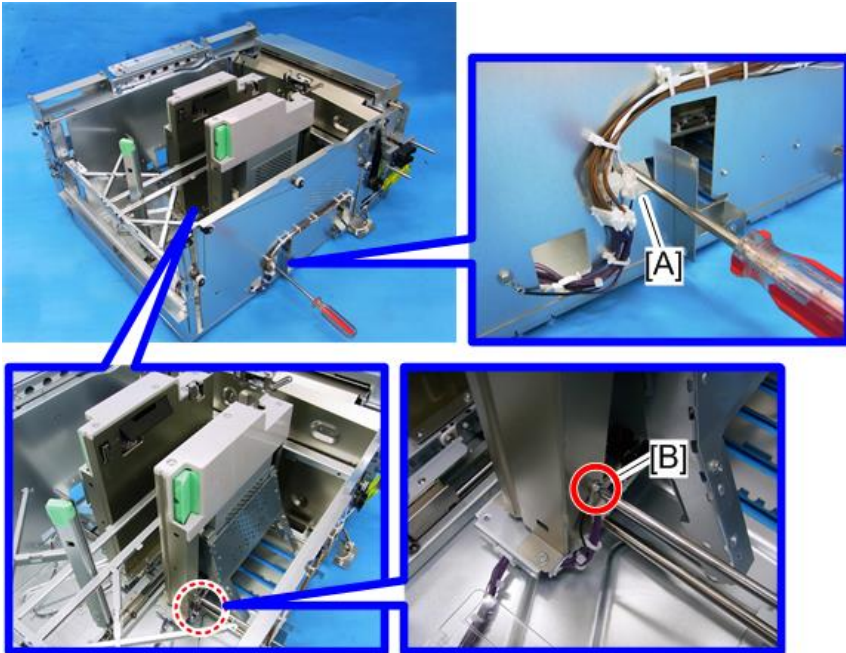
- When re-installing the shaft [A], set the spring [C] as shown below.



m205a2531

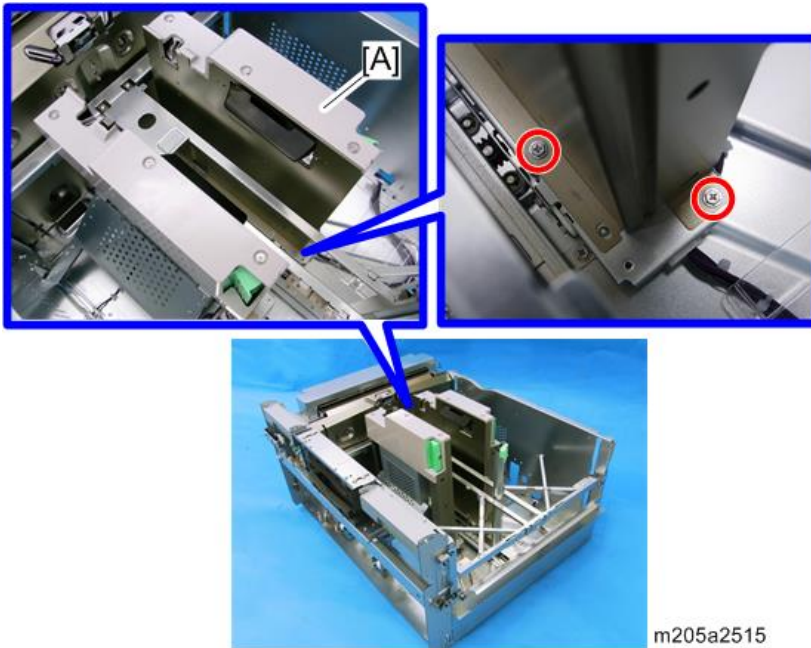
6. Insert a driver from the cut end [A] of the frame and remove the ground screw [B]. (🔩×1)

4

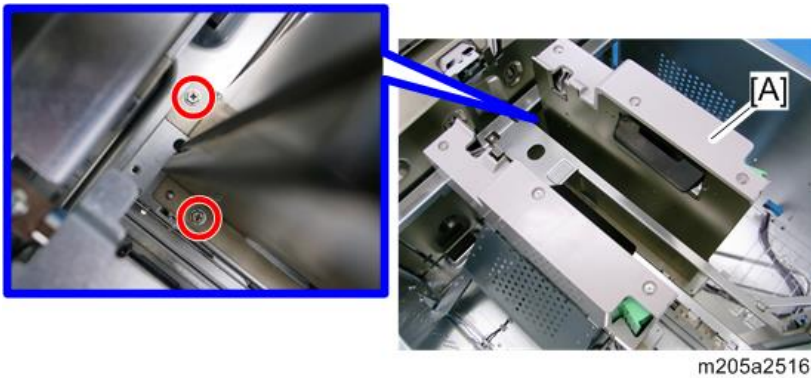


m205a2514

7. Remove the two fixing screws of the rear side fence (tray 1) [A]. (🔧 ×2)



8. Remove the two fixing screws of the rear side fence (tray 1) [A]. (🔧 ×2)



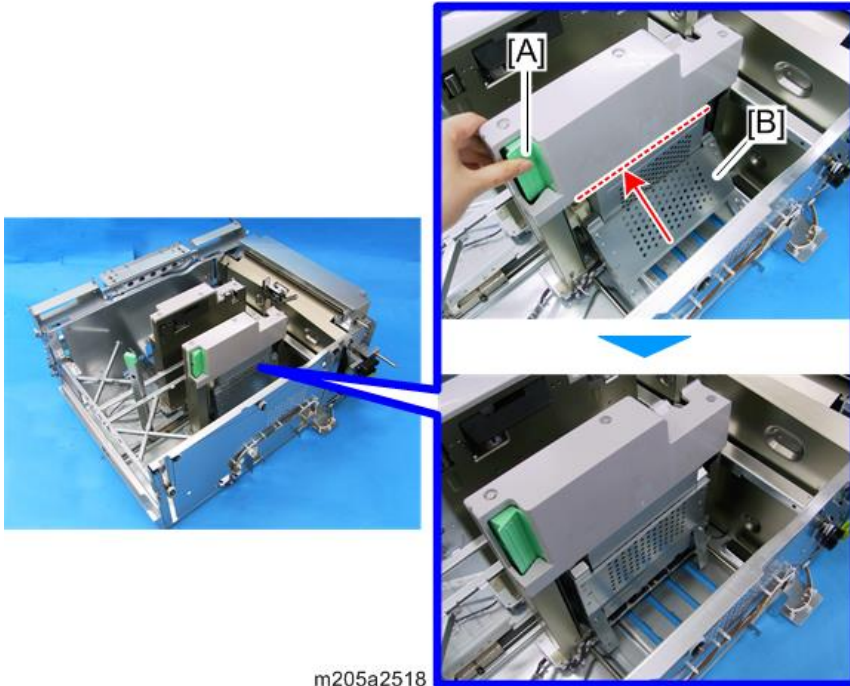
9. Open two clamps of the rear side fence (tray 1). (🔧×2)



m205a2517

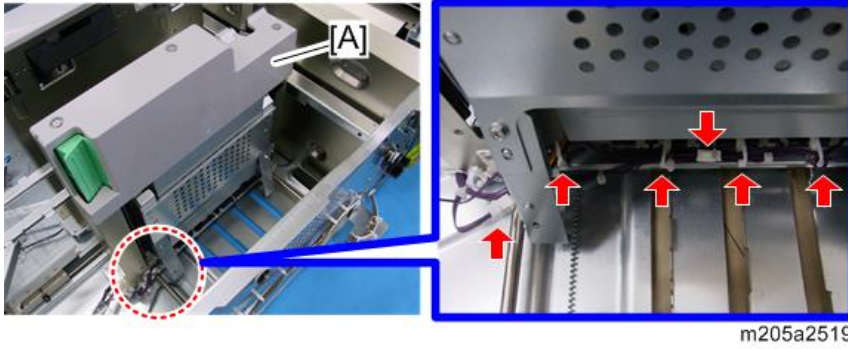
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10. Press the lock lever [A] and pull the slide fence [B] up.

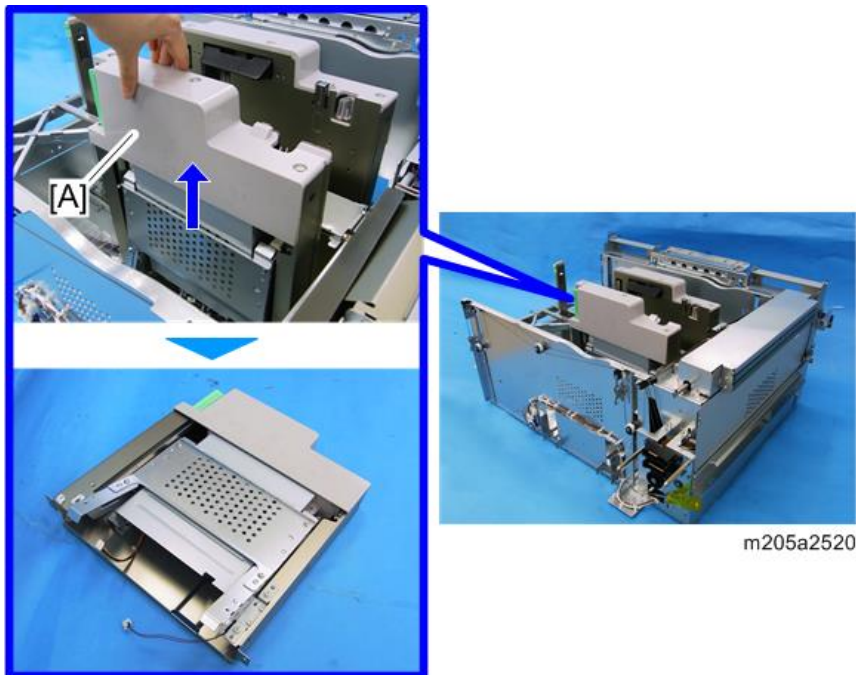


m205a2518

11. Disconnect two connectors and open four clamps located under the slide fence [A]. (🔧
x2, 🛠️x4)



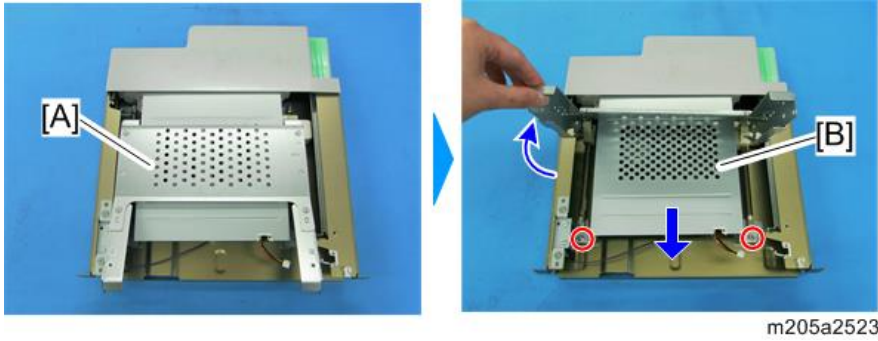
12. Lift the rear side fence (tray 1) [A] and remove it.



Separation Front Fan (Tray 1)

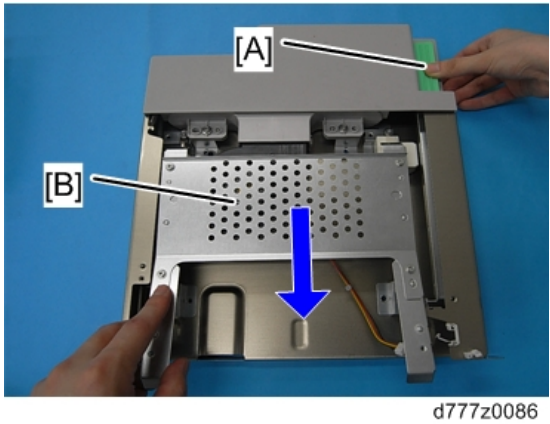
1. Front side fence (tray 1) (page 911)

2. Lift the slide fence [A], and then remove the fan cover [B]. (⚙️×2)

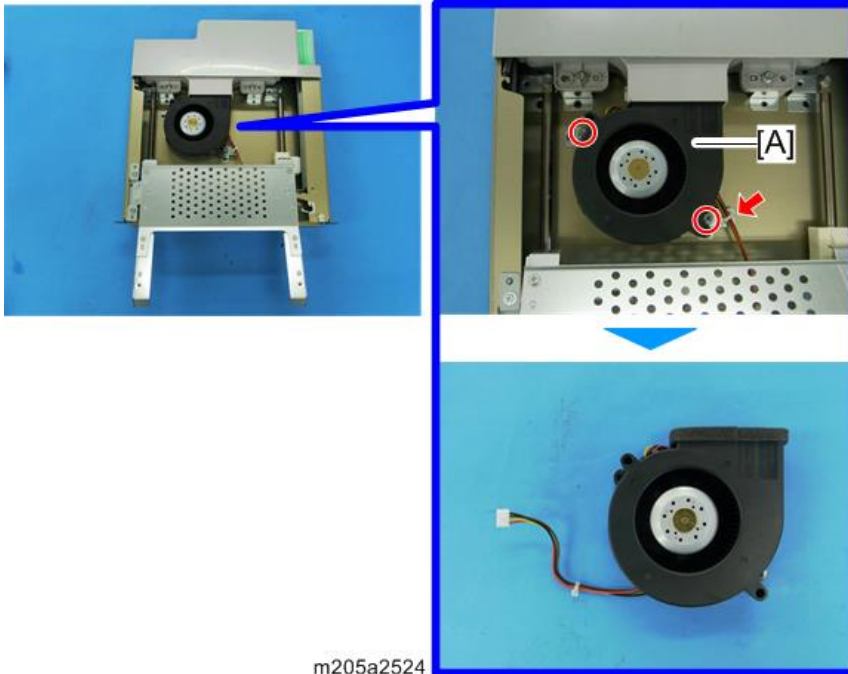


4

3. Withdraw the slide fence [B] in the direction of the arrow while pressing the lock lever [A].



4. Separation front fan (tray 1) [A]. (⚙️×2, 🔧×1)



m205a2524

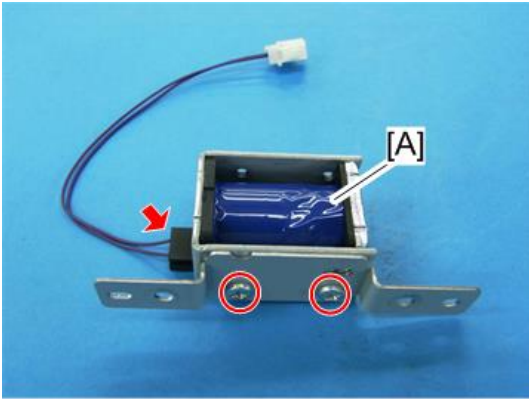
Separate Solenoid Front (Tray 1)

1. Front side fence (tray 1) (page 911)
2. Bracket [A] (⚙️×2)



m205a2525

3. Separate solenoid front (tray 1) [A]. (⚙️ ×2, 📦 ×1)

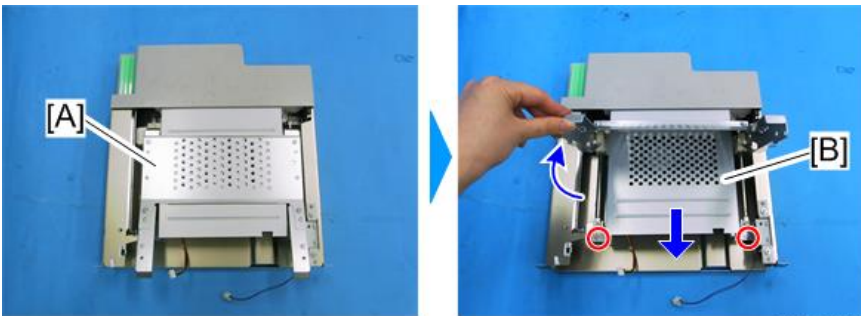


m205a2526

4

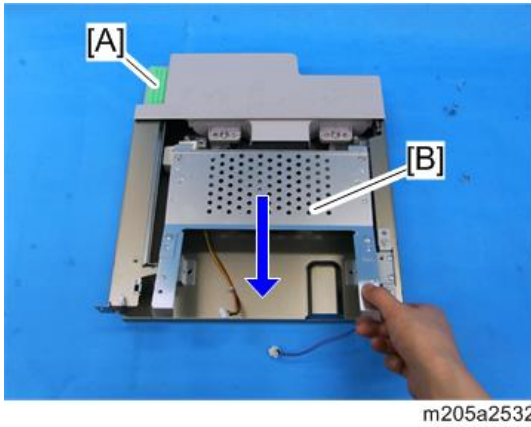
Separation Rear Fan (Tray 1)

1. Rear side fence (tray 1) (page 919)
2. Lift the slide fence [A], and then remove the fan cover [B]. (⚙️ ×2)



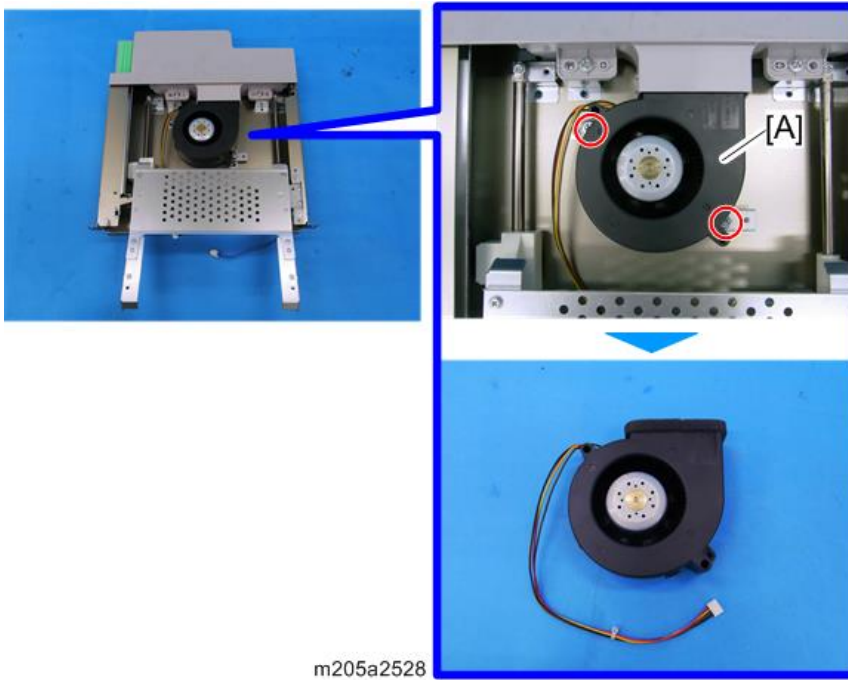
m205a2527

3. Withdraw the slide fence [B] in the direction of the arrow while pressing the lock lever [A].



4

4. Separation rear fan (tray 1) [A] (👉x2)



Separate Solenoid Rear (Tray 1)

1. Rear side fence (tray 1) (page 919)

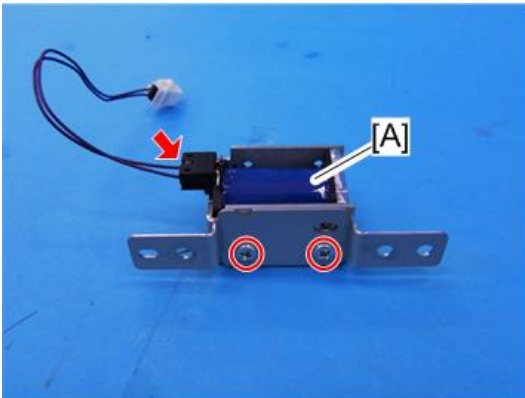
2. Bracket [A] (🔩×2)



m205a2529

4

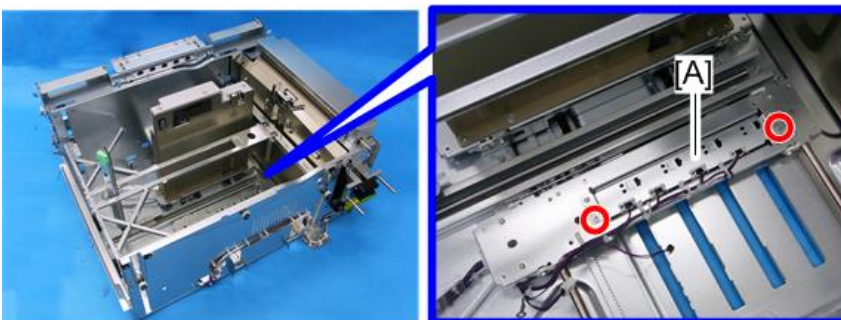
3. Separate solenoid rear (tray 1) [A] (🔩×2, 📦×1)



m205a2530

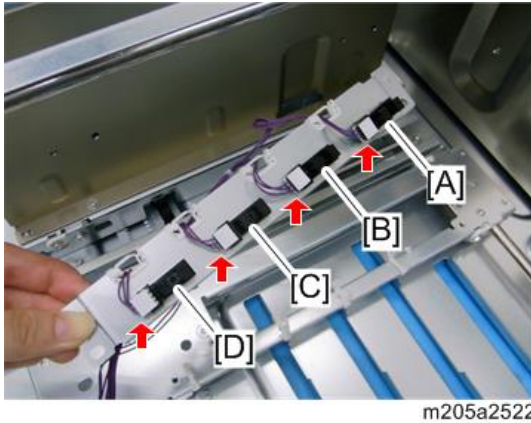
Paper Size Sensor 1-4 (Tray 1)

- 1. Rear side fence (tray 1) (page 919)
- 2. Sensor bracket [A] (🔩×2)



m205a2521

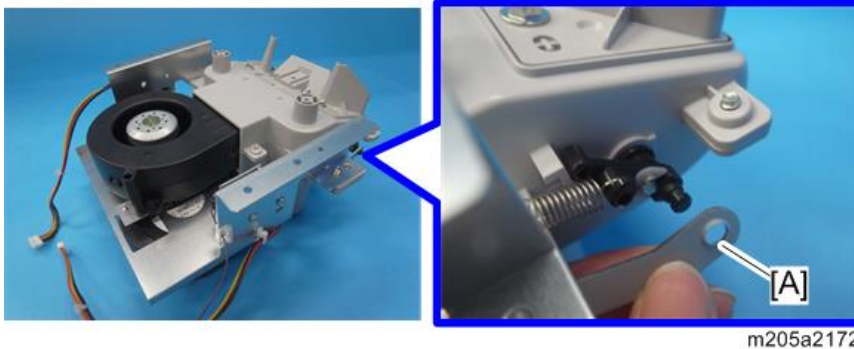
3. Paper size sensor 1-4 (tray 1) (📦 ×1 each)



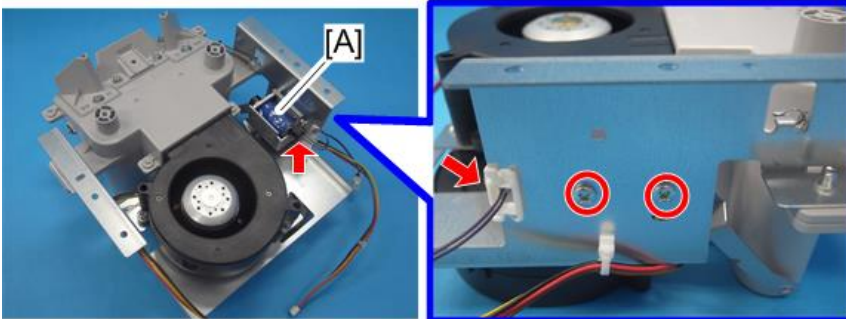
- [A] Paper size sensor 1 (tray 1)
- [B] Paper size sensor 2 (tray 1)
- [C] Paper size sensor 3 (tray 1)
- [D] Paper size sensor 4 (tray 1)

Float Solenoid (Tray 1)

1. Float/separation fan duct (tray 1) (page 908)
2. Metal bracket [A]

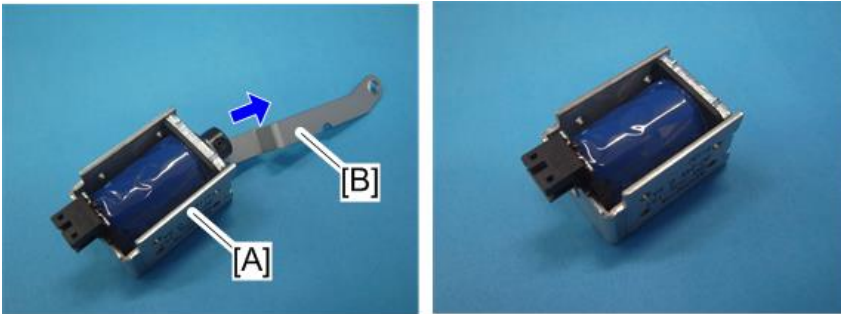


3. Remove the float solenoid (tray 1) [A] with the metal bracket. (⚙️ x2, 📦 x1, 🛠️ x1)



m205a2173

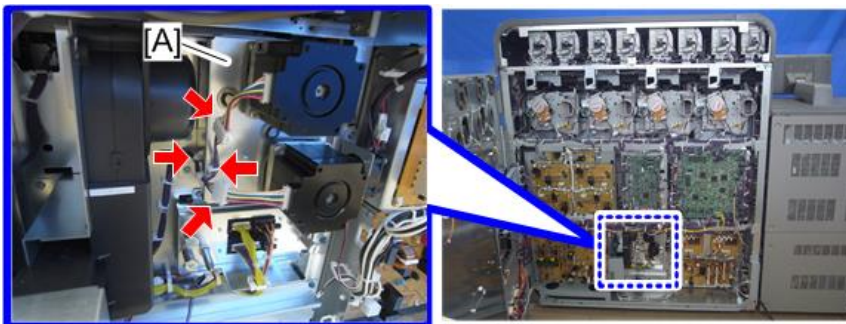
4. Remove the metal bracket [B] from the float solenoid (tray 1) [A].



m205a2174

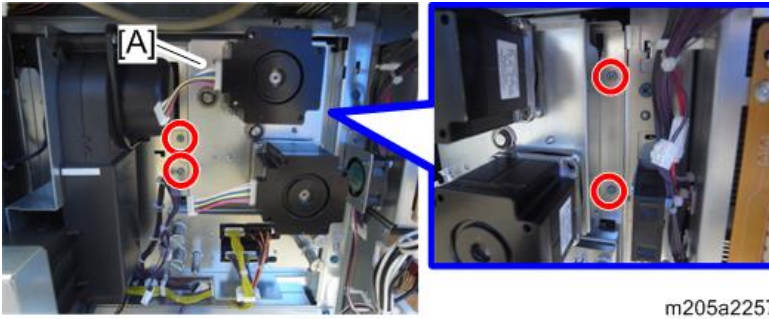
Paper Feed Motor (Tray 1)

1. Open the rear box. (page 691)
2. Open two clamps and disconnect two connectors of motor bracket [A]. (🛠️ x2, 📦 x2)



m205a2256

3. Motor bracket [A] (⚙️×4)



m205a2257

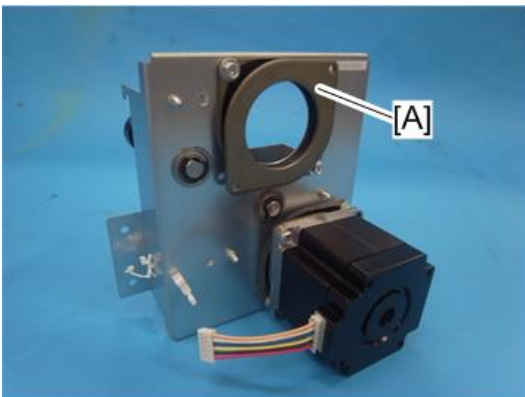
4. Remove the paper feed motor (tray 1) [A] from motor bracket. (⚙️×2, 📦×1, ⚙️×1)



m205a2258

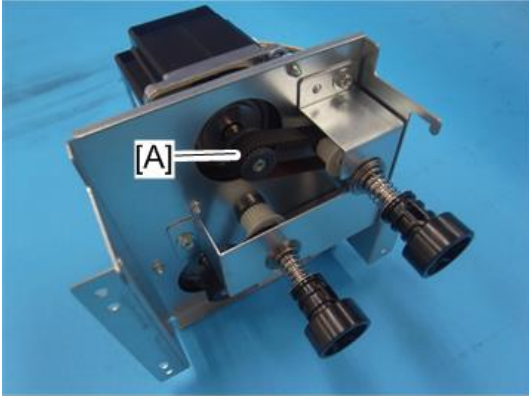
★ Important

- Do not remove the damper [A] located between the paper feed motor (tray 1) and the bracket. This damper is adjusted at the factory and cannot be adjusted in the field.



m205a2259

- When installing the paper feed motor (tray 1), confirm that the motor is set to the timing belt [A] correctly.

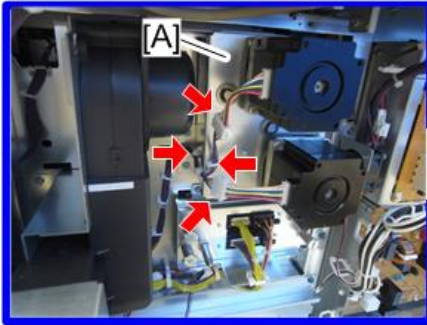


m205a2260

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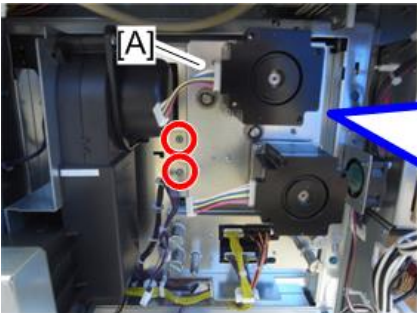
Paper Transport Motor (Tray 1)

1. Open the rear box. (page 691)
2. Open two clamps and disconnect two connectors of motor bracket [A]. (🔧x2, 📦x2)



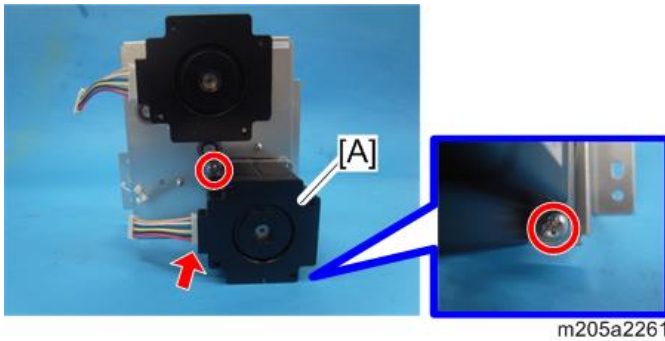
m205a2256

3. Motor bracket [A] (🔧x4)



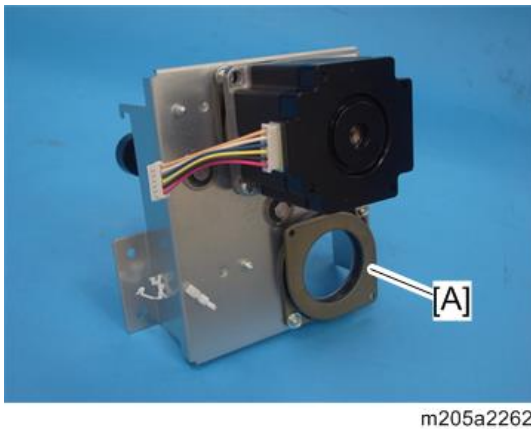
m205a2257

4. Remove the paper feed motor (tray 1) [A] from motor bracket. (⚙️×2, 📦×1, 🌀×1)

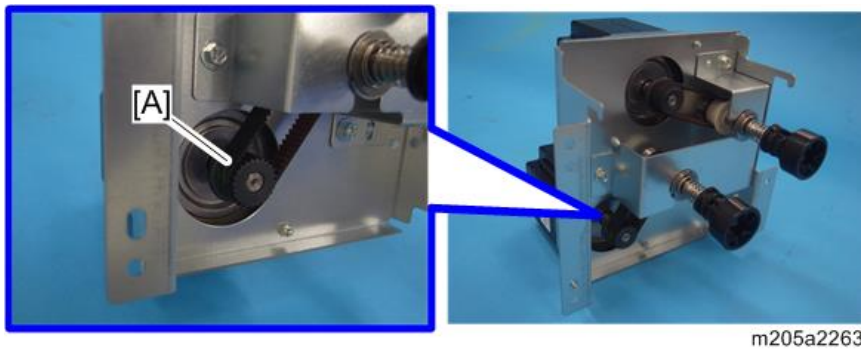


★ Important

- Do not remove the damper [A] located between the paper transport motor (tray 1) and the bracket. This damper is adjusted at the factory and cannot be adjusted in the field.

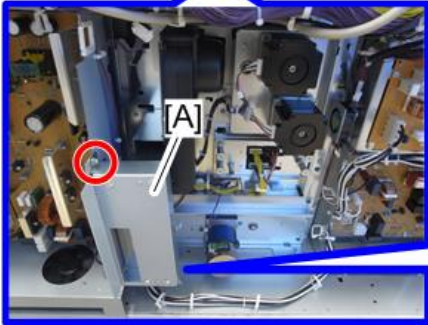


- When installing the paper transport motor (tray 1), confirm that the motor is set to the timing belt [A] correctly.



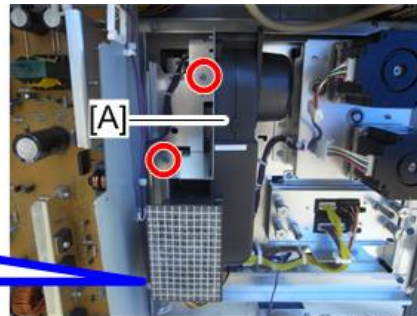
Suction Fan 1, 2 (Tray 1)

1. Open the rear box. (page 691)
2. Protection bracket [A] (🔩×2)



m205a2264

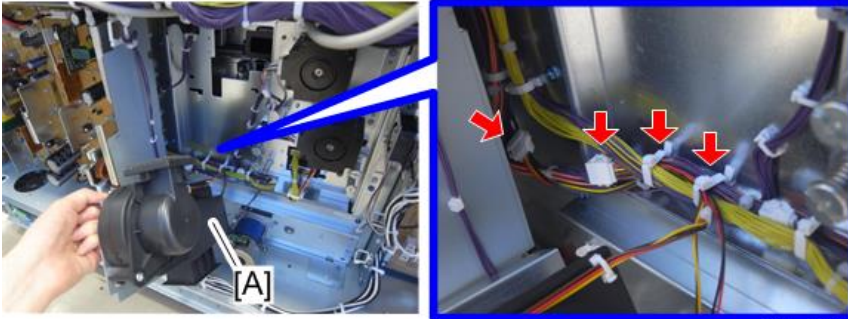
3. Suction fan duct (tray 1) [A] (🔩×3)



m205a2265

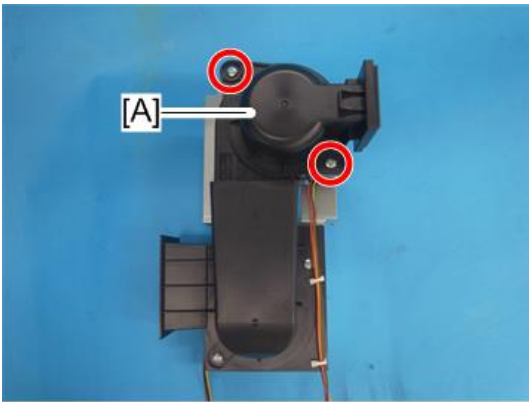
↓ Note

- When removing suction fan duct (tray 1) [A], free the lower two clamps and two connectors. (🔩×2, 📦×2)



m205a2266

4. Remove the upper part of suction fan duct (tray 1) [A]. (⚙️×2)



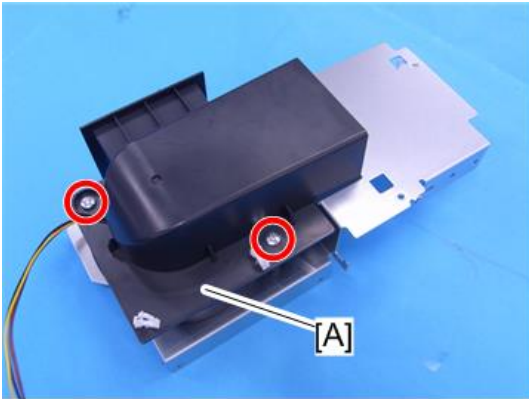
m205a2267

5. Suction fan 1 (tray 1) [A] (⚙️×2)



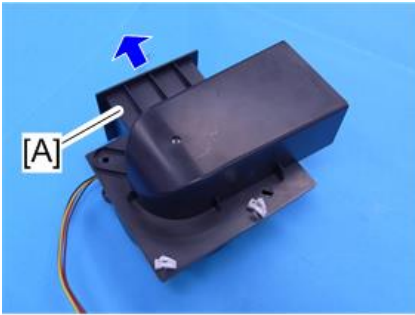
m205a2268

6. Remove the fixing screws of lower part of suction fan duct (tray 1) [A]. (⌀×2)



m205a0054

7. Suction fan 2 (tray 1) [A]

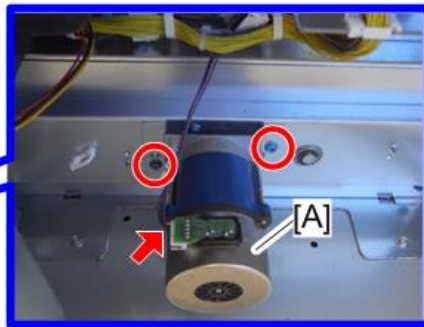
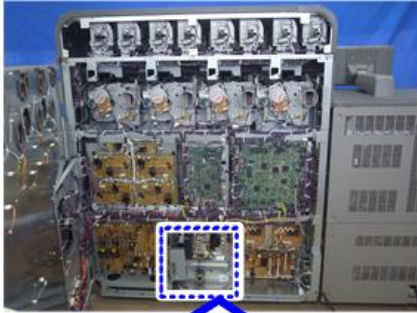


m205a0055

Tray Lift Motor (Tray 1)

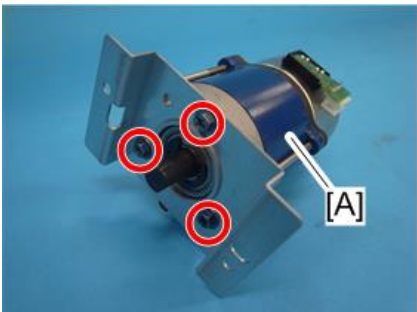
1. Open the rear box. (page 691)

2. Motor bracket [A] (⚙️ x2, 📦 x1)



m205a2270

3. Tray lift motor (tray 1) [A] (⚙️ x3)

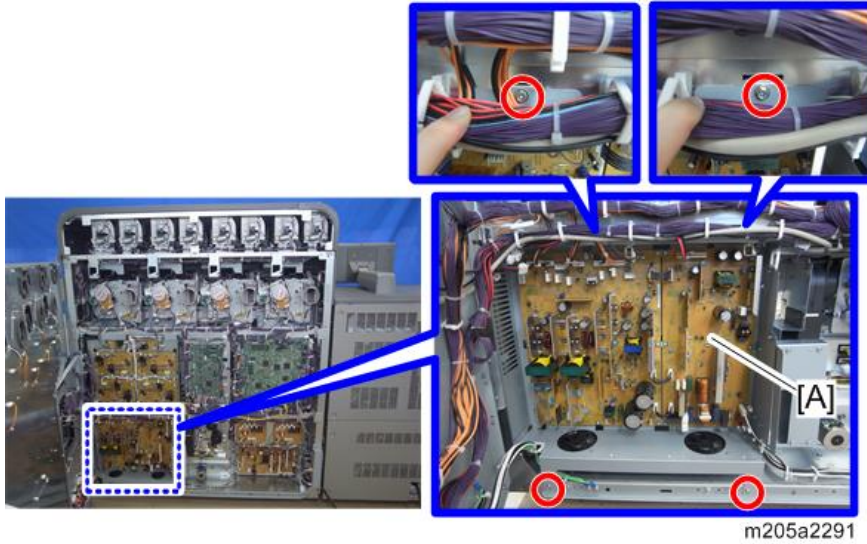


m205a2269

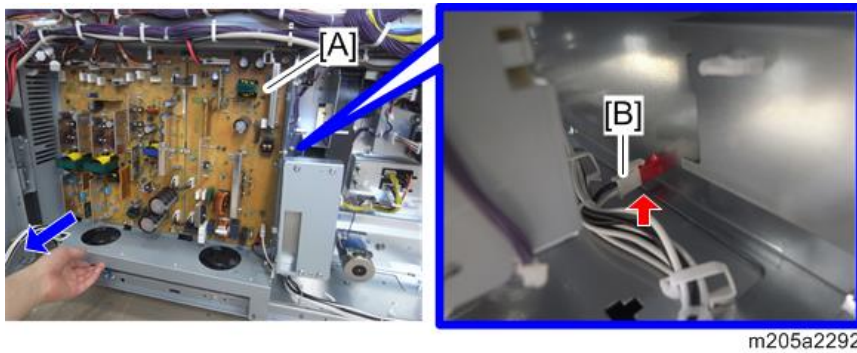
Paper Tray Heater (Tray 1)

1. Open the rear box. (page 691)

- 2. Remove the four fixing screws of PSU3 bracket [A]. (🔩×4)

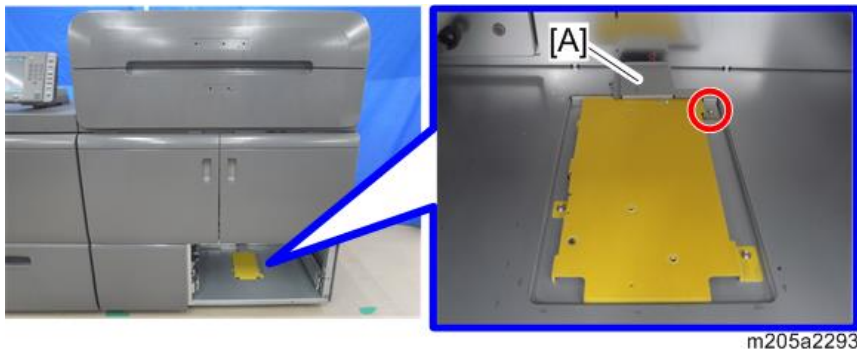


- 3. Pull the PSU3 bracket [A] forward., and then disconnect the connector [B] located behind of it. (🔌×1)

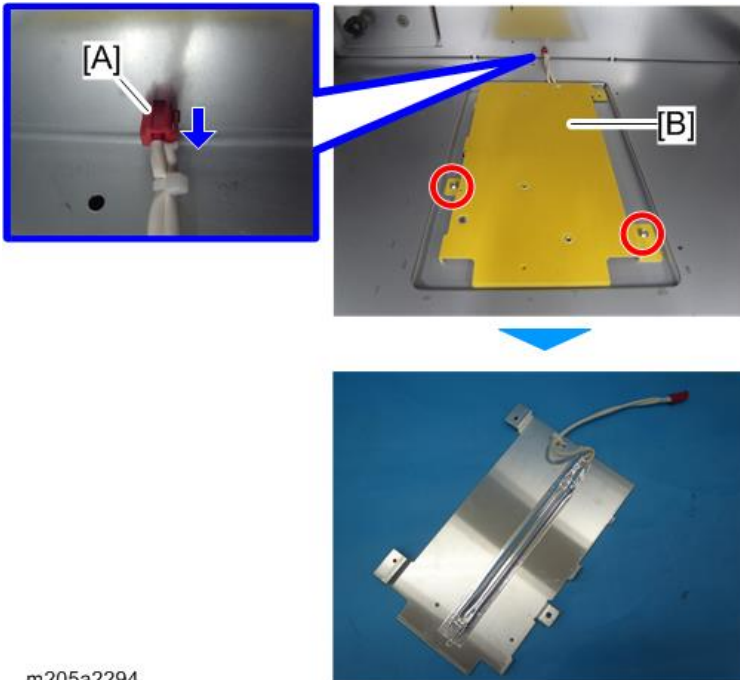


- 4. Paper tray 1 (page 898)

- 5. Paper tray heater protection bracket [A] (🔩×1)



6. Pull the connector [A] out forwards and remove the paper tray heater (tray 1) [B]. (⚙️×2)



m205a2294

↓ **Note**

- The paper tray heater (tray 1) is not operated by the main power switch and AC power switch, but is always ON when the power cord is plugged in.

LED 1, 2 (Tray 1)

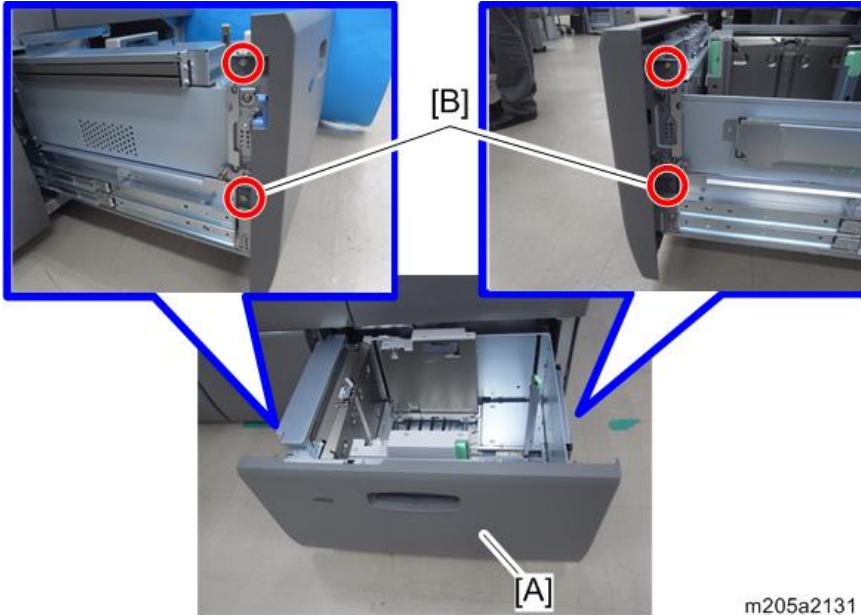
1. Pull out the paper tray 1 [A].



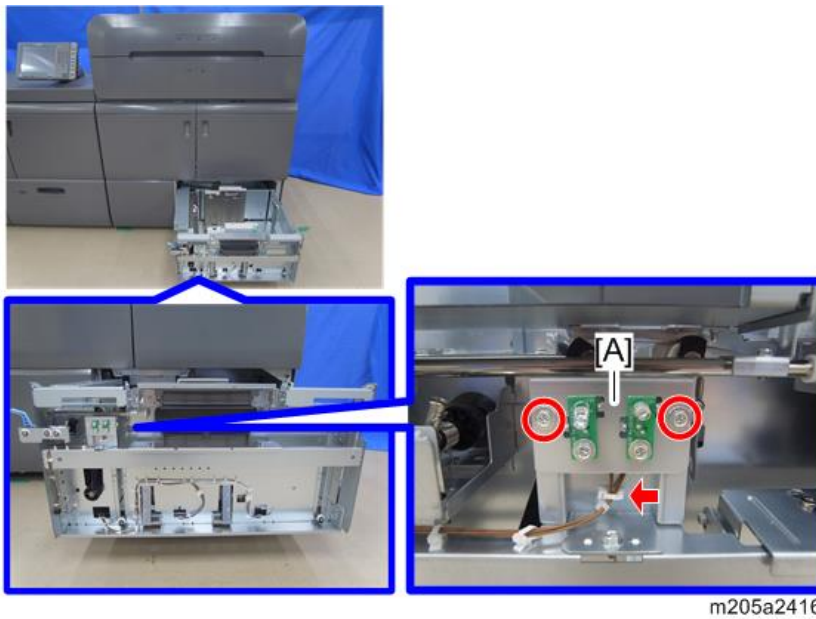
m205a2133

2. Pull the front cover [A] of the tray to the front, and then remove it. (🔩×2, 🏠×2)

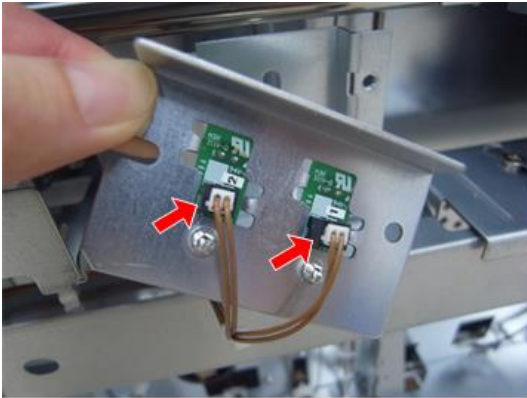
- The lower screws [B] are shoulder screws.



3. Sensor bracket [A] (🔩×2, 🏠×1)

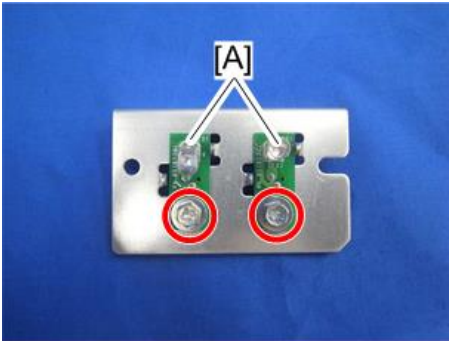


4. Turn over the sensor bracket and disconnect the connectors. (🔧 ×2)



m205a2417

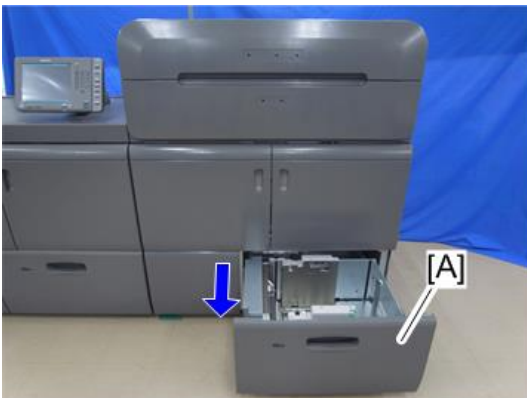
5. LED 1, 2 (tray 1) [A] (🔧 ×2)



m205a2418

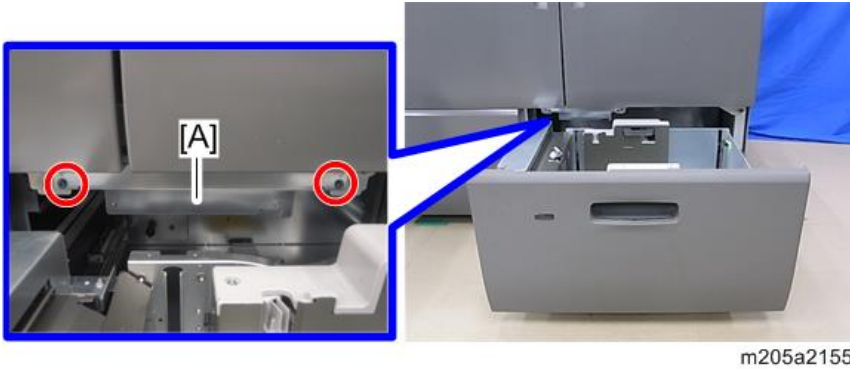
Paper Feed Belt Unit (Tray 1)

1. Pull out the paper tray 1 [A].



m205a2133

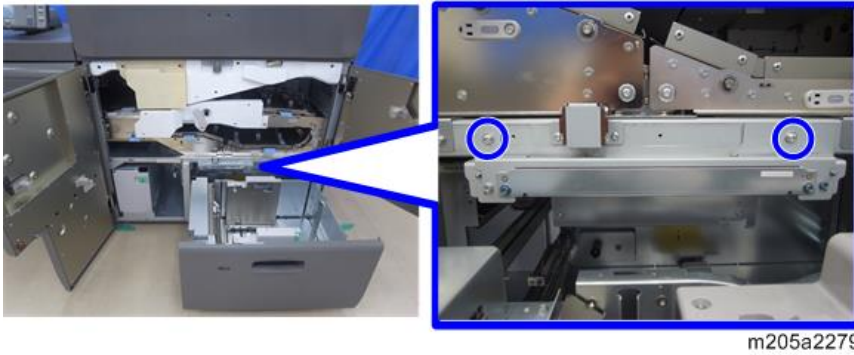
2. Remove the fixing screws of the paper feed belt unit (tray 1) [A]. (Ⓜ×2)



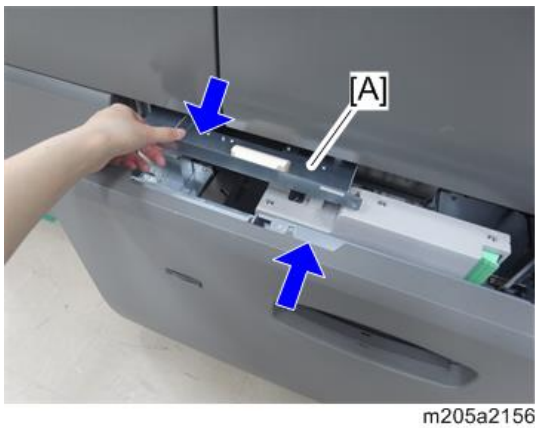
4

★ Important

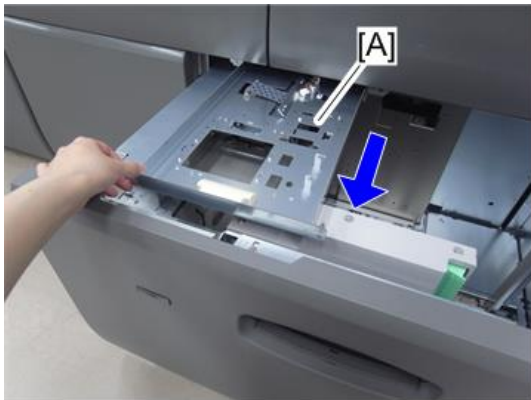
- Do not remove the two screws shown below. These two screws fix the position of the paper feed belt unit (tray 1) to fit the paper tray 1. Removing these screws could cause the paper feed belt unit (tray 1) to displace its position and cause problems during paper feeding.



3. Hold the grip of paper feed belt unit (tray 1) [A] and close the tray halfway.



4. Pull out the paper feed belt unit (tray 1) [A] with the tray.

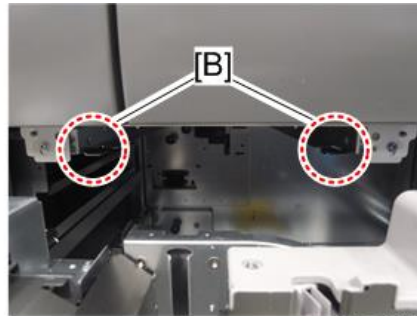
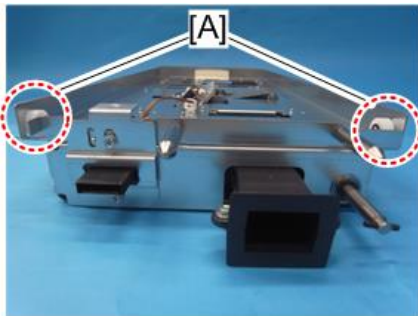


m205a2157

4

↓ Note

- Pull the paper feed belt unit (tray 1) horizontally to avoid it being caught in the side fence and be damaged.
- When re-installing the paper feed belt unit (tray 1), fit the left and right guides [A] to the rail [B] of the paper tray 1 side to avoid damaging the paper feed belt unit (tray 1). Then lift the paper feed belt unit (tray 1) a little to install it.

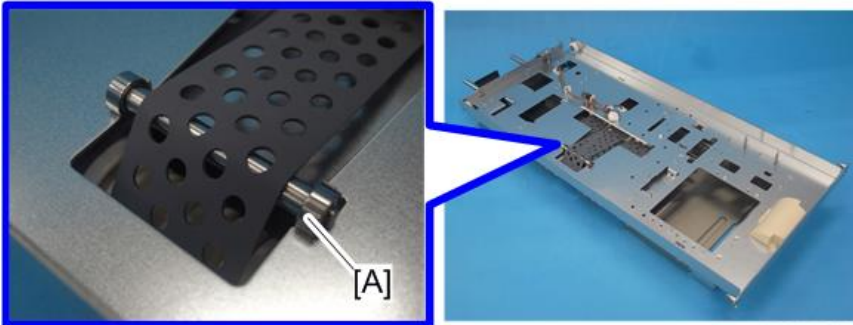


m205a2158

Paper Feed Belt (Tray 1)

1. Paper feed belt unit (tray 1) (page 943)

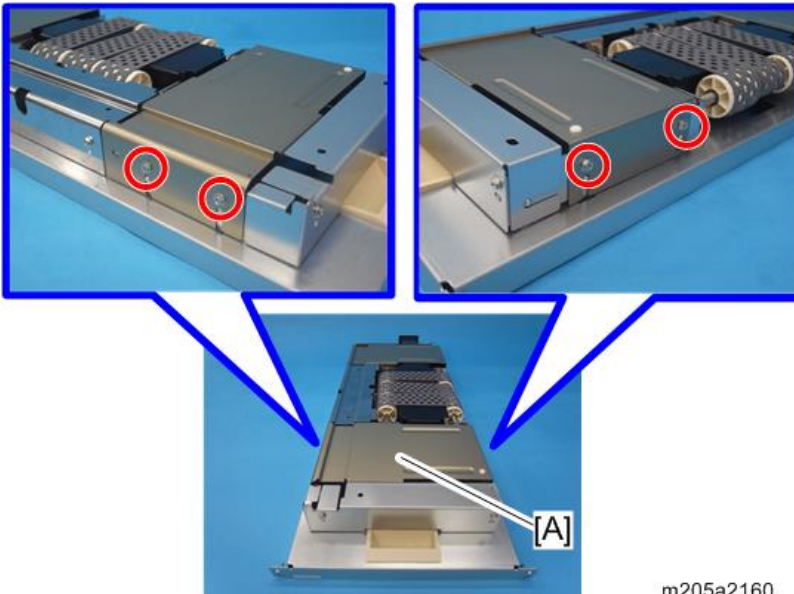
2. Shaft [A]



m205a2159

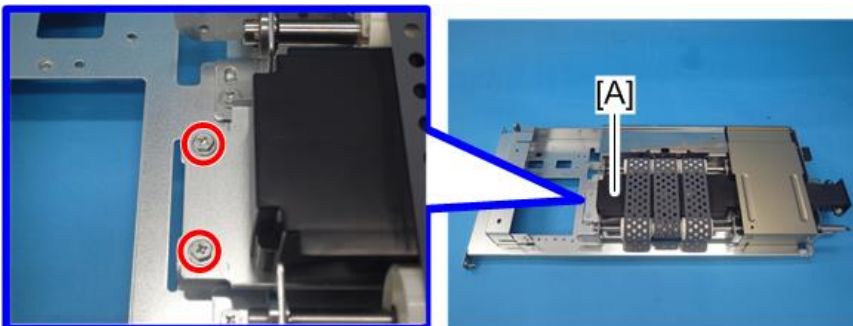
4

3. Guide plate [A] (⌀x4)



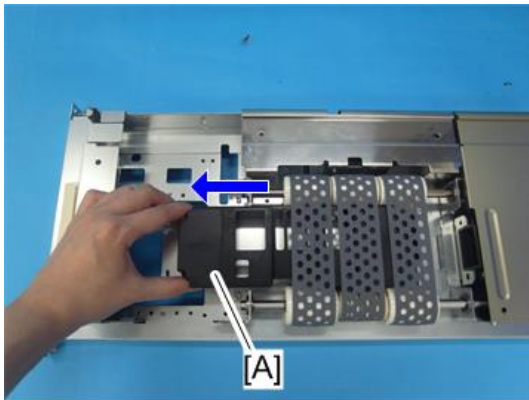
m205a2160

4. Remove the fixing screws of the chamber [A]. (⌀x2)



m205a2161

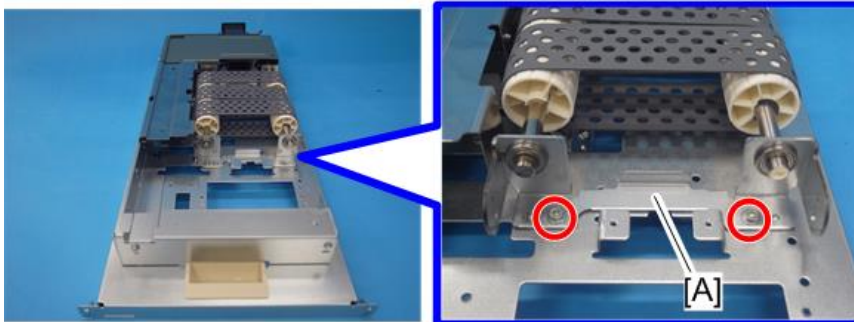
5. Pull the chamber [A] out.



m205a2162

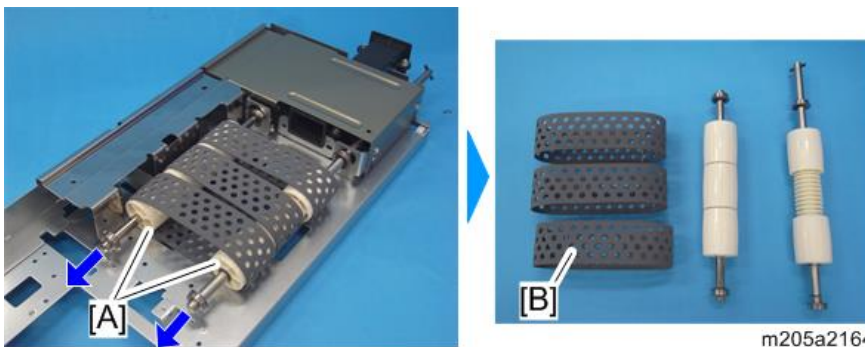
4

6. Bracket [A] (Ⓜ ×2)



m205a2163

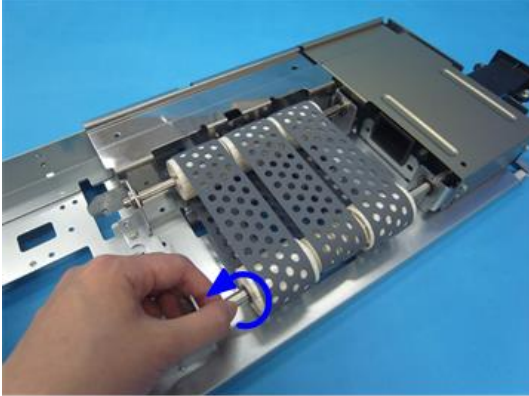
7. Remove belt shafts [A] and the paper feed belt (tray 1) [B].



m205a2164

↓ **Note**

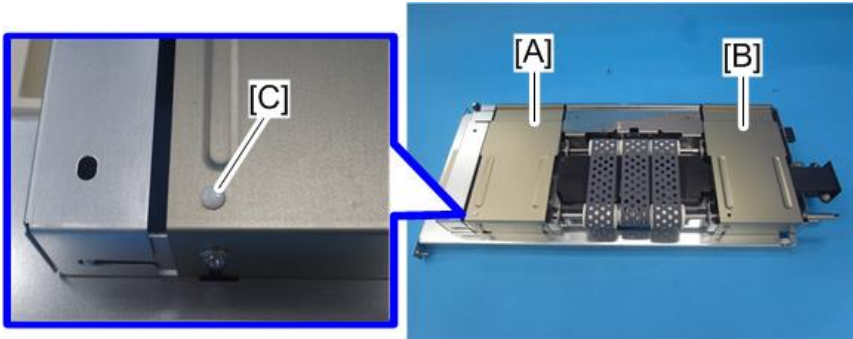
- When re-installing the paper feed belt (tray 1), rotate the shaft and fix the slackness before installing the chamber. After re-installing the paper feed belt (tray 1) is finished, rotate the shaft again and confirm that the belt is attached without slackness and is not abnormally heavy. Then put it back to the paper tray.



m205a2166

4

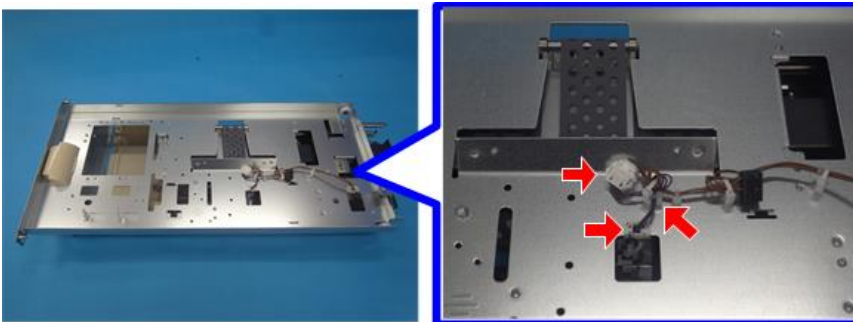
- Guide plates [A] and [B] are the same form. You can see a white plastic [C] in the guide plate in the front.



m205a2170

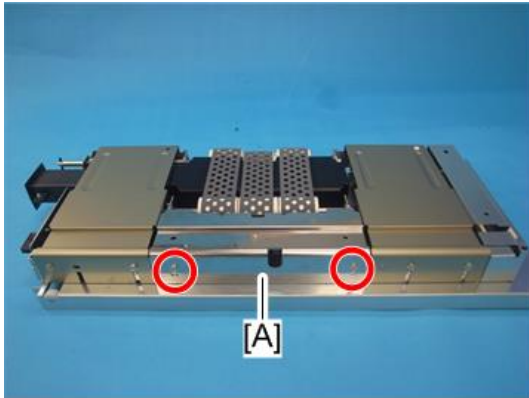
Paper End Sensor (Tray 1)

1. Paper feed belt unit (tray 1) (page 943)
2. Open three clamps and disconnect a connector. (🔧×2, 📡×1)



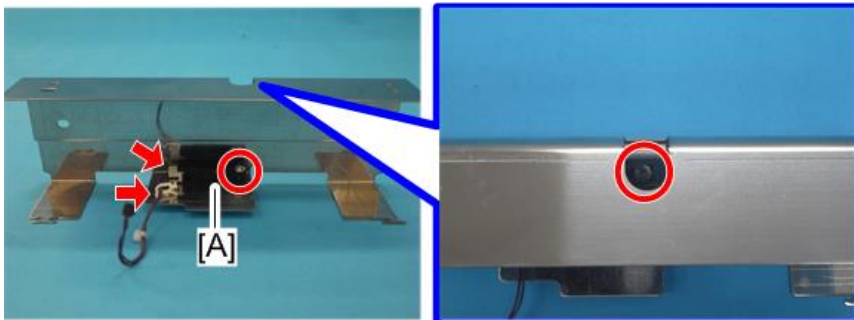
m205a2167

3. Remove the guide plate [A] on the center. (⚙️ ×2)



m205a2168

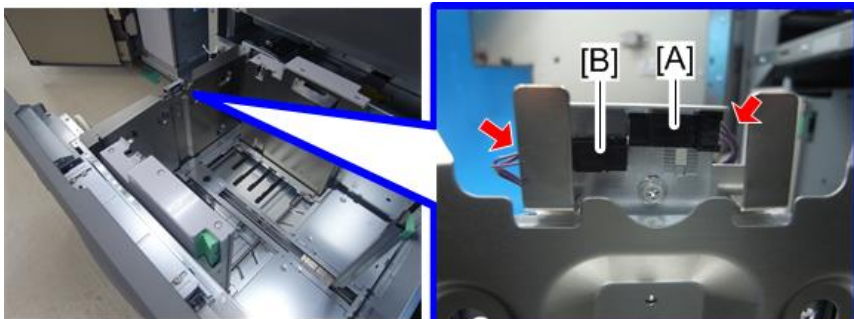
4. Paper end sensor (tray 1) [A] (⚙️ ×2, 📦 ×1, 🛠️ ×1)



m205a2169

Upper Limit Sensor 1, 2 (Tray 1)

1. Float/separation fan duct (tray 1) (page 908)
2. Upper limit sensor 1 (tray 1) [A] (📦 ×1)
3. Upper limit sensor 2 (tray 1) [B] (📦 ×1)



m205a2171

★ Important

- The position of the upper limit sensor bracket [A] is adjusted at the factory. When it is removed, install it so that the mark is pointing to the same position on the scale.



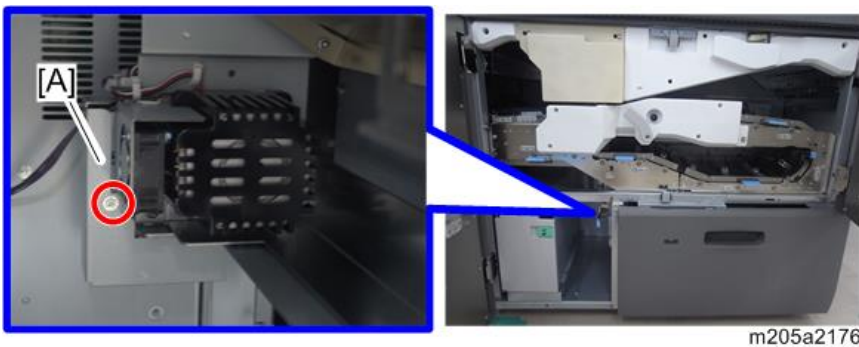
4

Vertical Transport Unit (Tray 1)

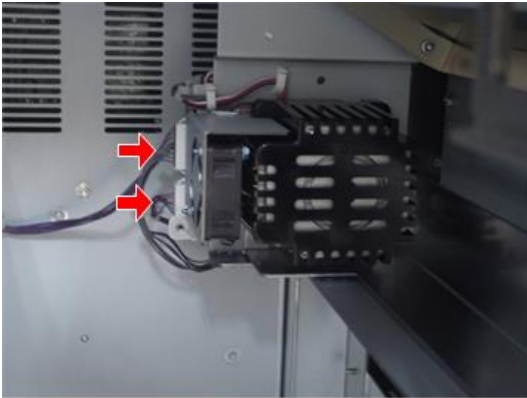
1. Open the front left door [A] and front right door [B] of the imaging section.



2. Sensor bracket [A] (🔧×1)

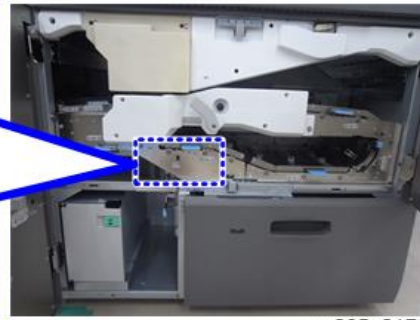
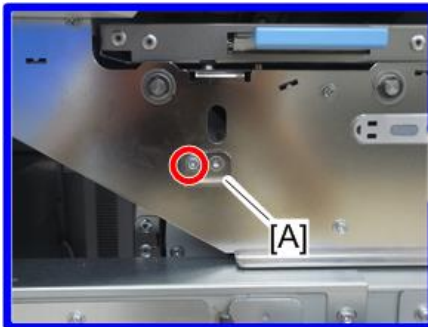


3. Disconnect two connectors. (🔌 x2)



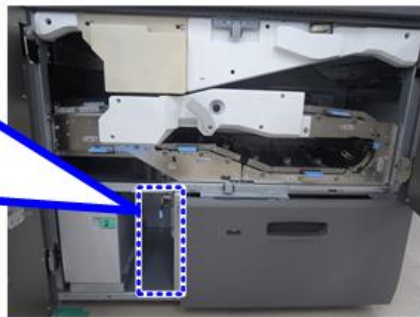
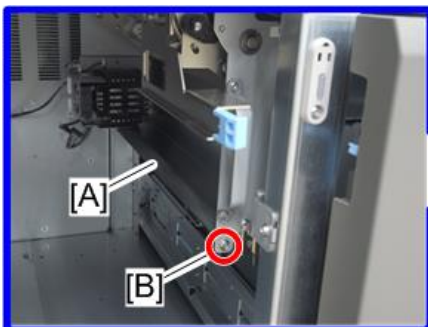
m205a2177

4. Bracket [A] (🔩 x1)



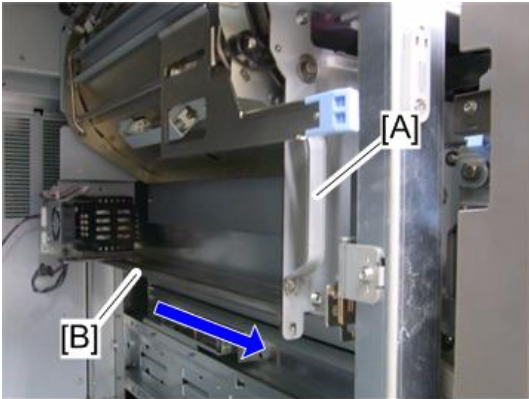
m205a2178

5. Remove the fixing screw [B] of the vertical transport unit (tray 1) [A]. (🔩 x1)



m205a2179

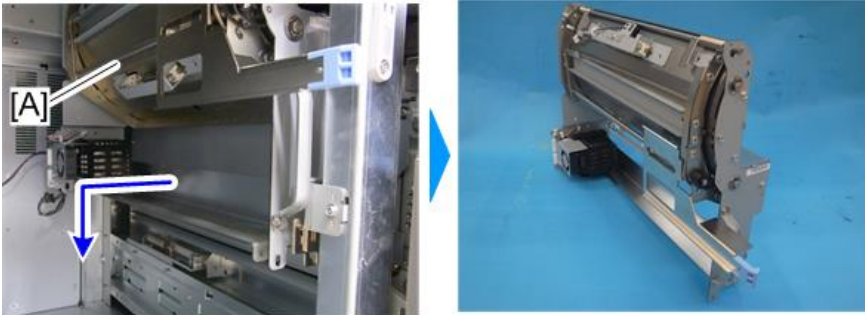
6. Hold the grip [A] and pull the vertical transport unit (tray 1) [B] forward.



m205a0008

7. Remove vertical transport unit (tray 1) [A] from the main machine.

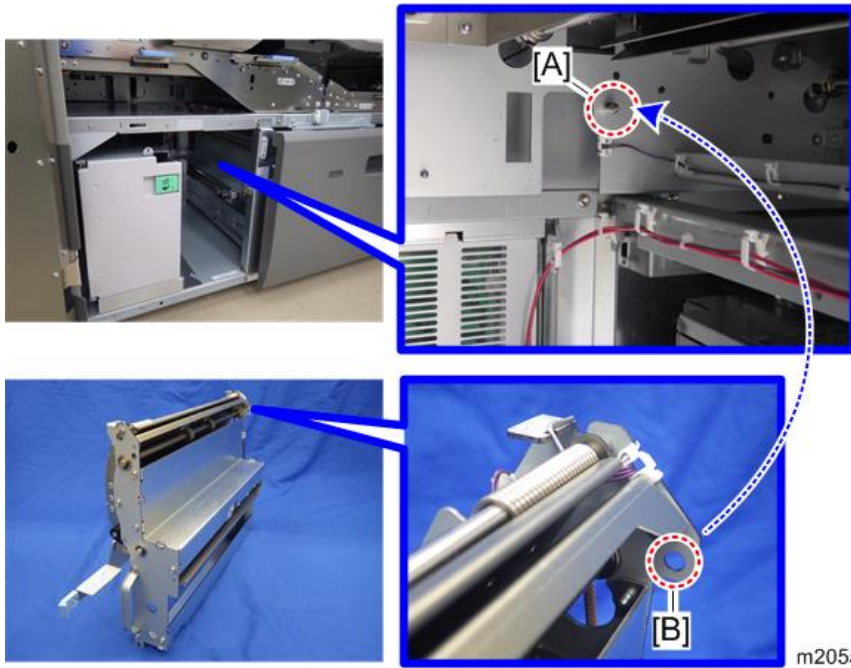
Pull out vertical transport unit (tray 1) horizontally to the left side, and then lower it downward.



m205a2180

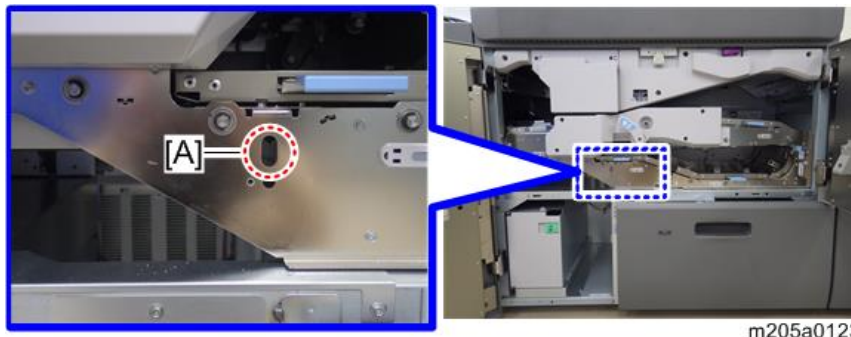
Note

- When installing vertical transport unit (tray 1), the positioning pin [A] of the main machine must be within the hole [B] in the vertical transport unit (tray 1).



m205a0122

- Confirm the positioning pin of the main machine through the cutout [A] when installing the vertical transport unit (tray 1).

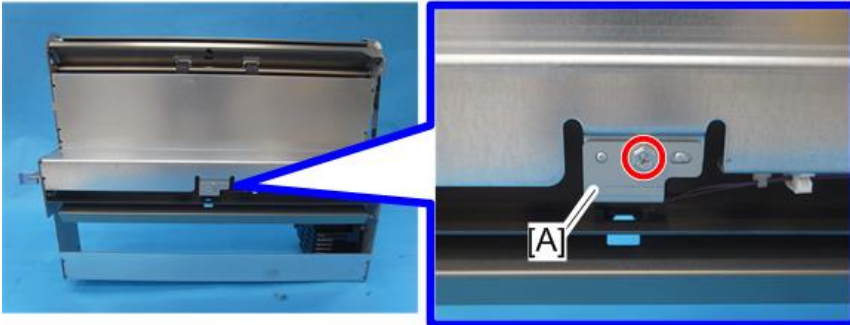


m205a0123

Vertical Transport Sensor 1 (Tray 1)

1. Vertical transport unit (tray 1) (page 950)

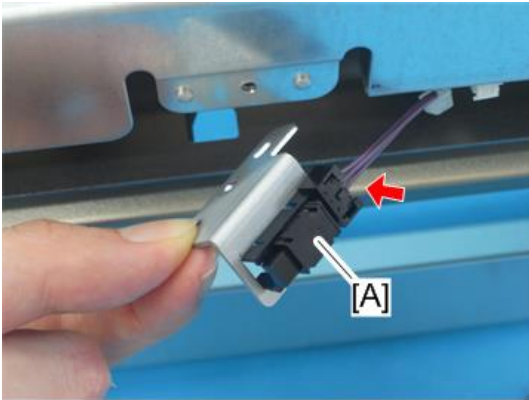
2. Sensor bracket [A] (🔩 ×1)



m205a2181

4

3. Vertical transport sensor 1 (tray 1) [A] (📦 ×1)

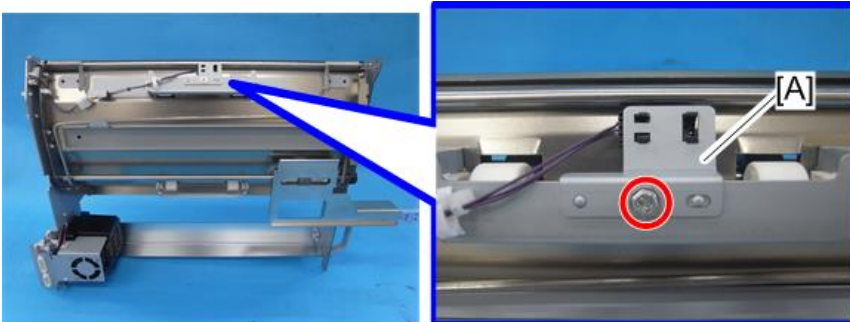


m205a2182

Vertical Transport Sensor 2 (Tray 1)

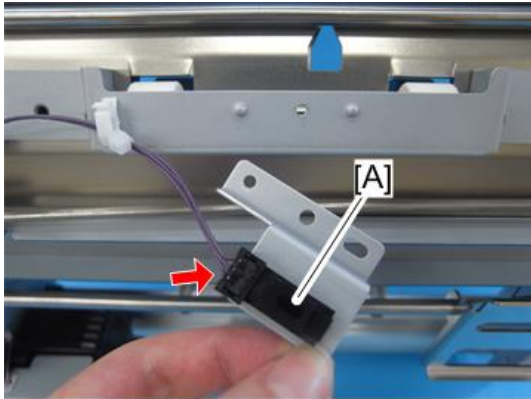
1. Vertical transport unit (tray 1) (page 950)

2. Sensor bracket [A] (🔩 ×1)



m205a2183

3. Vertical transport sensor 2 (tray 1) [A] (📦 ×1)

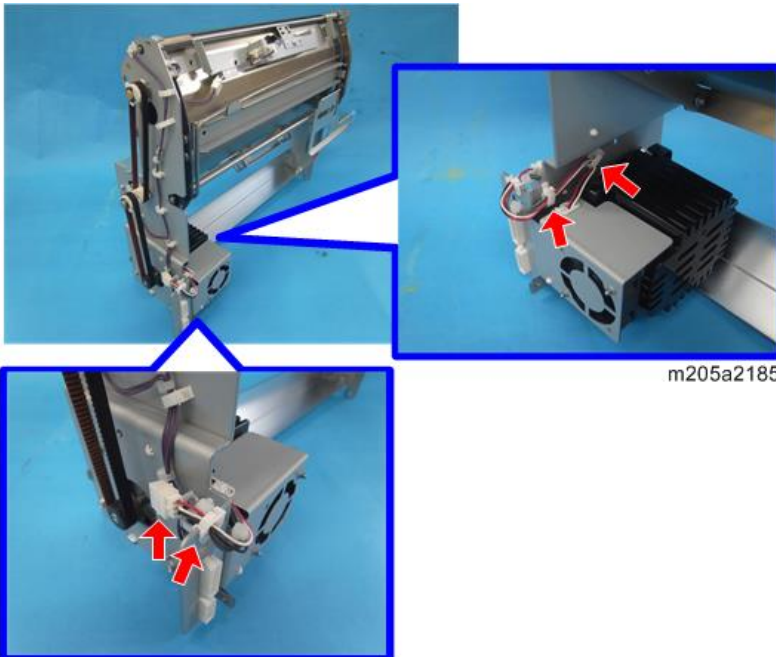


m205a2184

4

Vertical Transport Motor Fan (Tray 1)

1. Vertical transport unit (tray 1) (page 950)
2. Open three clamps and disconnect a connector. (🔧 ×3, 📦 ×1)



m205a2185

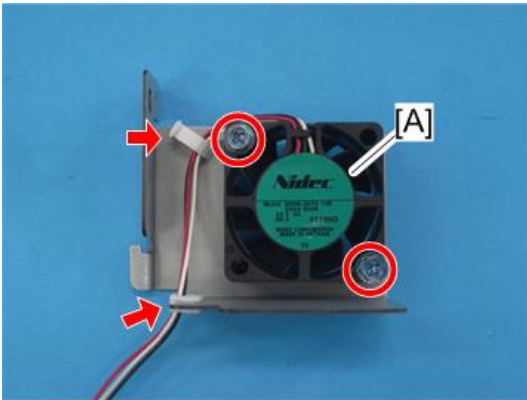
3. Cooling fan bracket [A] (⚙️×1)



m205a2280

4

4. Vertical transport motor fan (tray 1) [A] (⚙️×2, ⚙️×2)



m205a2281

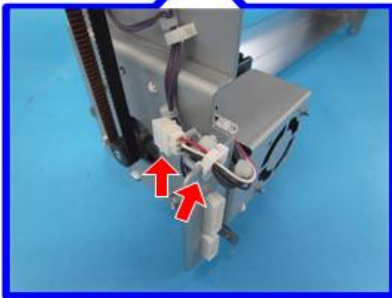
Vertical Transport Motor (Tray 1)

1. Vertical transport unit (tray 1) (page 950)

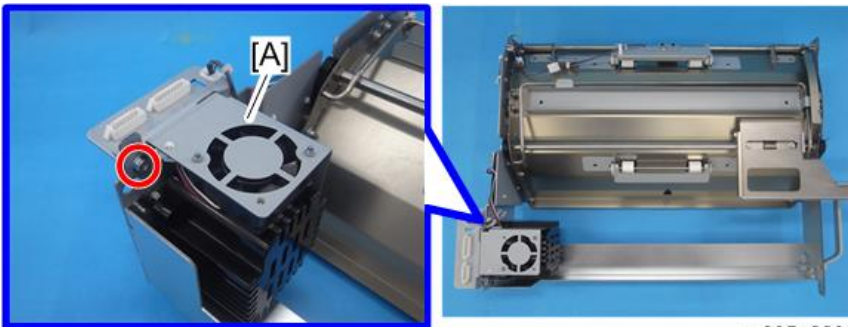
2. Open three clamps and disconnect a connector. (🔧×3, 📡×1)



m205a2185

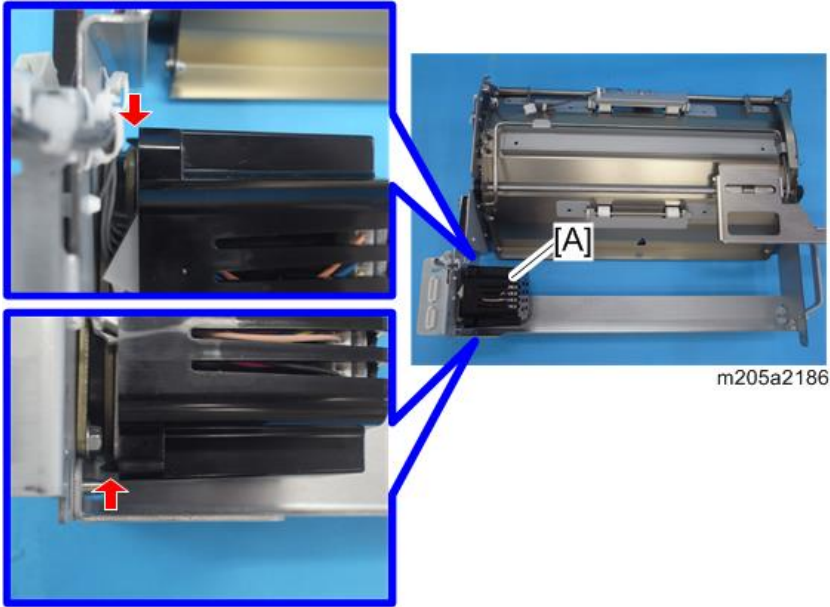


3. Cooling fan bracket [A] (🔧×1)



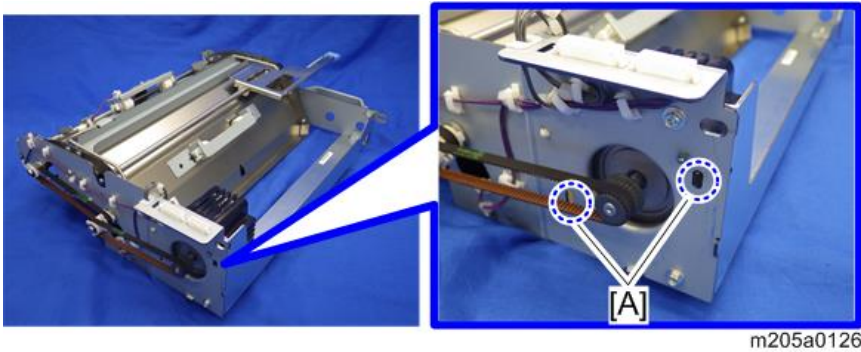
m205a2280

4. Motor cover [A] (pawl x2)

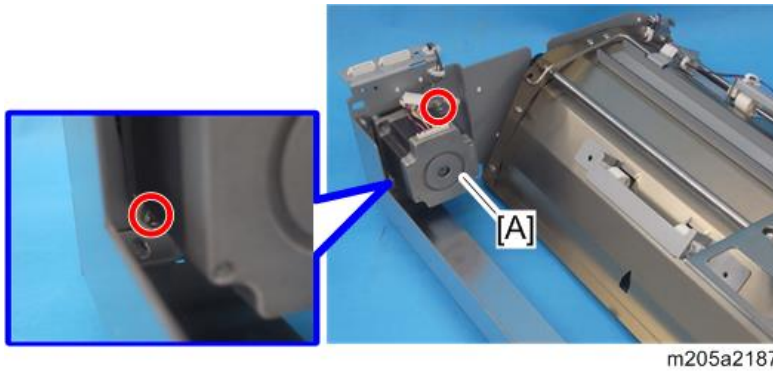


↓ Note

- Release the pawls of motor cover from the cutouts [A].

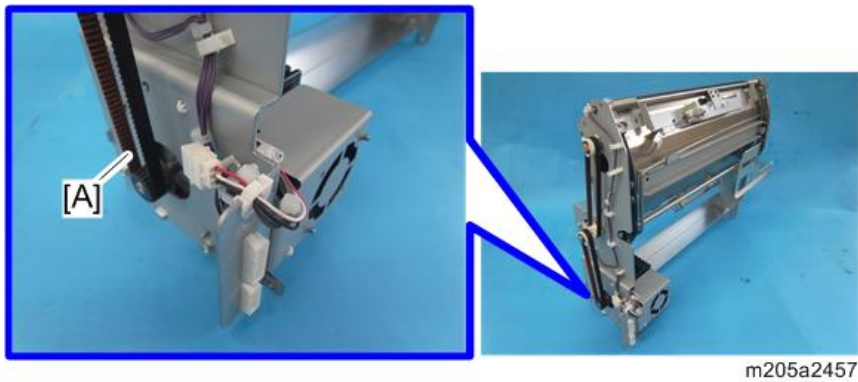


5. Vertical transport motor (tray 1) [A] (⚙️×2, ⚙️×1)



↓ Note

- When installing vertical transport motor (tray 1), confirm that the motor is set to the timing belt [A] correctly.



Vertical Transport LED

1. Open the front left door [A] and front right door [B] of the imaging section.



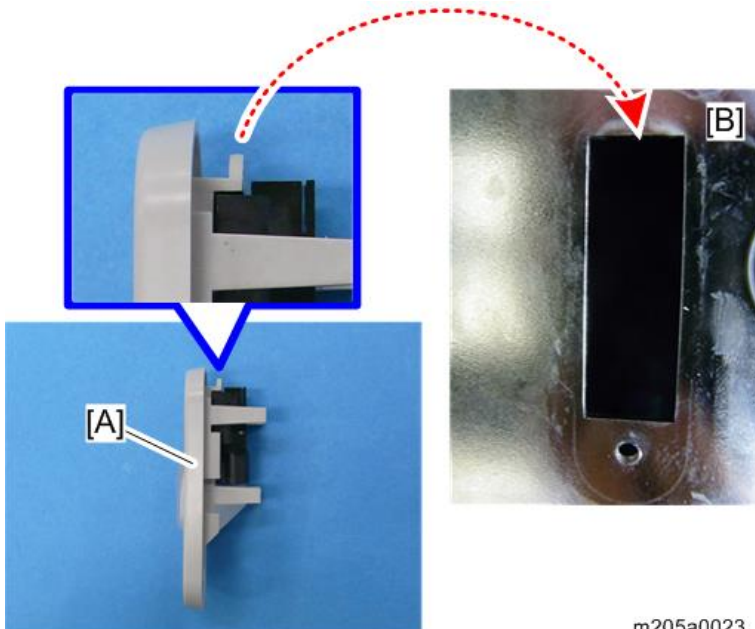
2. LED bracket [A] (🔧 ×1)



m205a2419

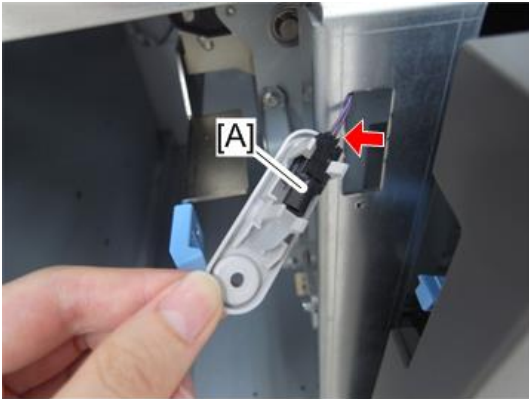
↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to the main frame [B].



m205a0023

3. Vertical transport LED [A] (📦 ×1)



m205a2420

4

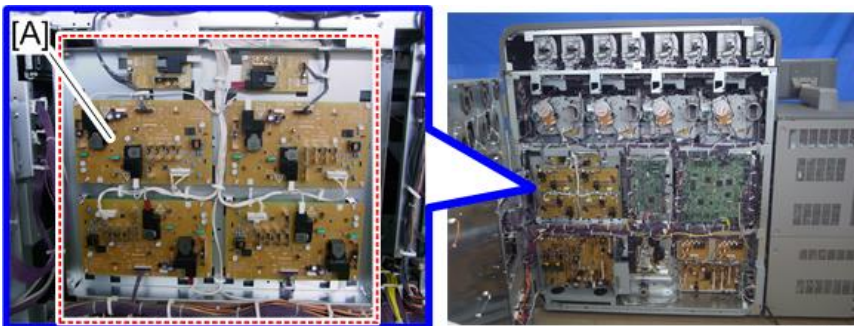
Registration Unit (Right / Left)

Registration Unit (Right)

★ Important

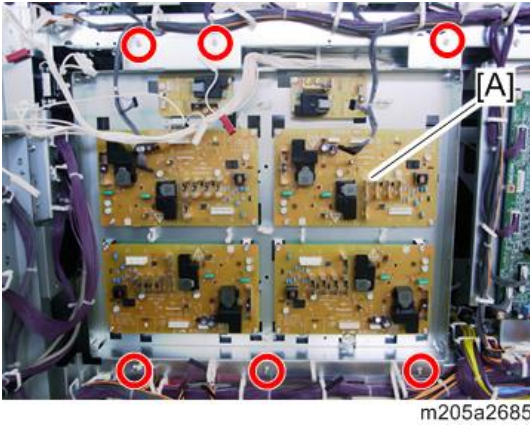
- Since registration unit (right) is heavy, two or more people are required to move it and be sure to handle it with care.

1. Drawer unit (page 1061)
2. Open all clamps and disconnect all connectors from charge/development HVP bracket [A]. (🔧 ×ALL, 📦 ×ALL)



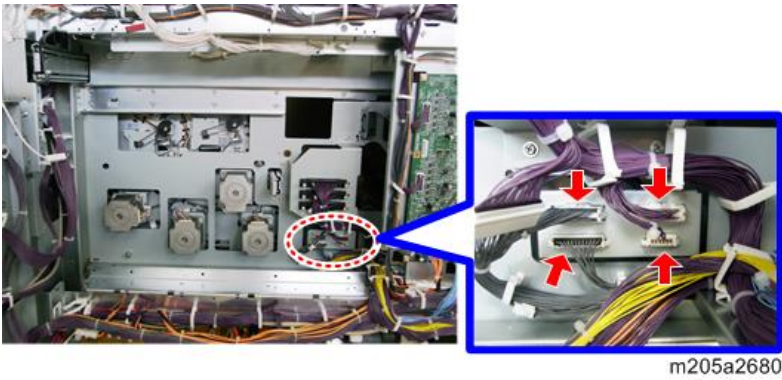
m205a2684

3. Charge/development HVP bracket [A] (⚙️×6)

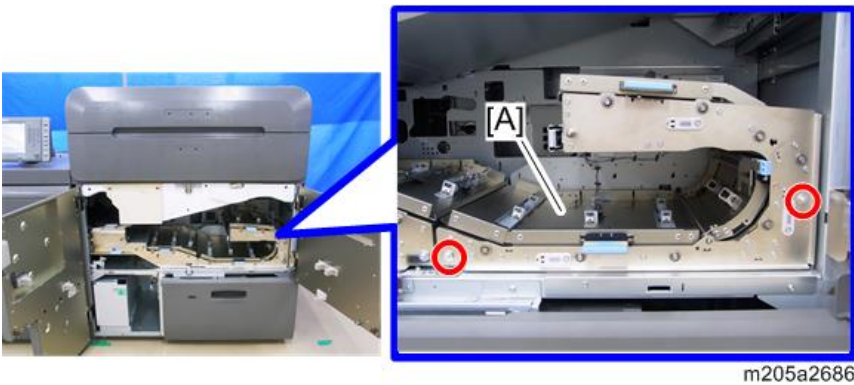


4

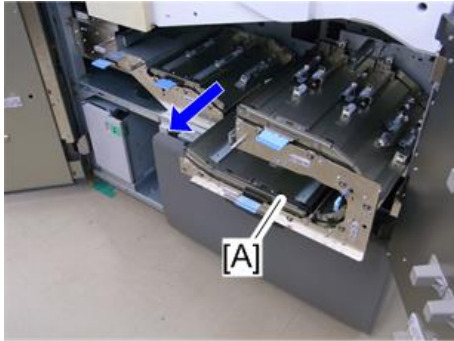
4. Disconnect connectors. (🔌×4)



5. Remove fixing screws of registration unit (right) [A]. (⚙️×2)



6. Remove registration unit (right) [A] from main machine, and then place it on a flat surface.



m205a2687

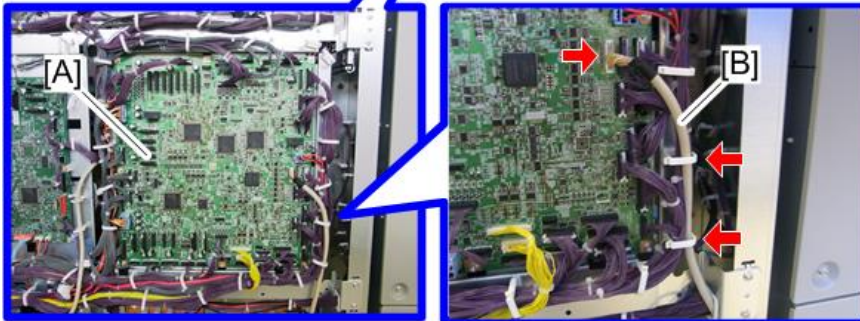
4

Registration Unit (Left)

★ Important

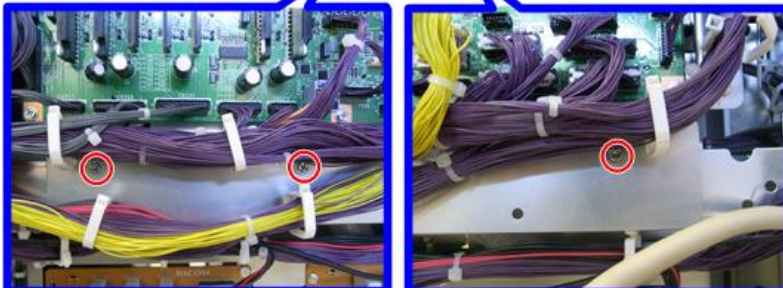
- Since registration unit (left) is heavy, two or more people are required to move it and be sure to handle it with care.
1. Drawer unit (page 1061)
 2. Vertical transport unit (tray 1) (page 950)
 3. 1st paper transport belt (PTB) unit (page 1123)
 4. Open the rear box. (page 691)

5. Disconnect the connector [B] of IOB1 [A]. (🔧×2, 📦×1)



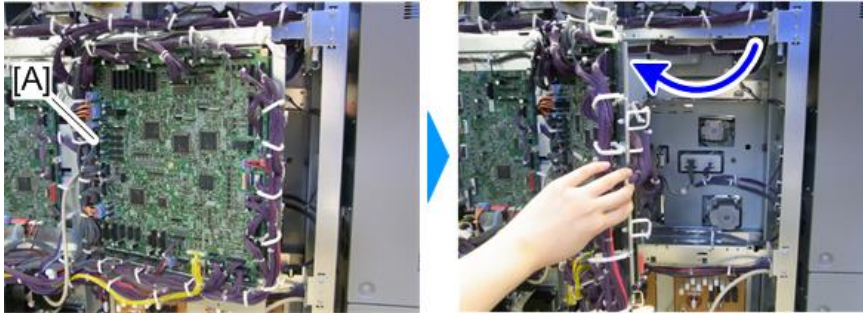
m205a2677

6. Remove fixing screws of IOB1 bracket [A]. (🔧×6)



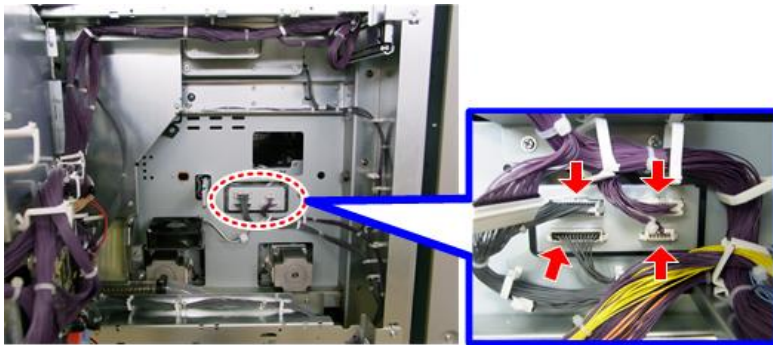
m205a2679

7. Open the IOB1 bracket [A] from right side.



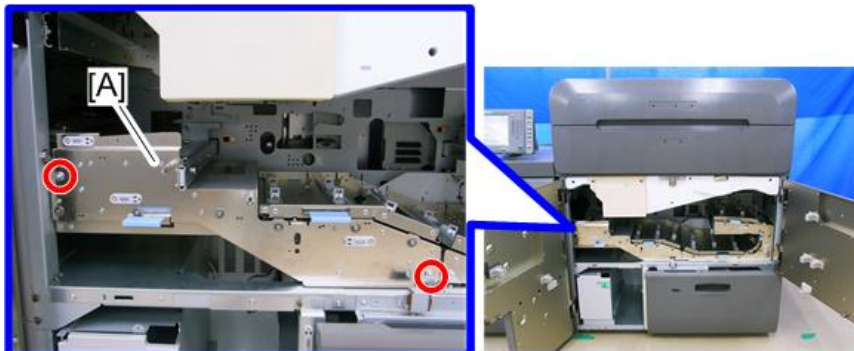
m205a2678

8. Disconnect connectors. (🔌 x4)



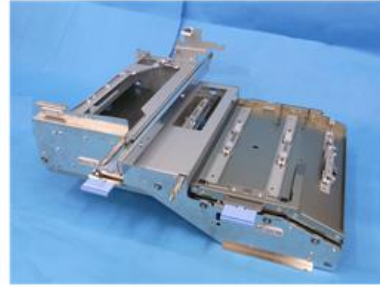
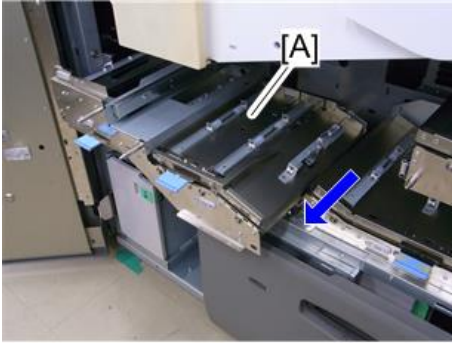
m205a2681

9. Remove the fixing screws of registration unit (left) [A]. (🔩 x2)



m205a2682

10. Remove registration unit (left) [A] from main machine, and then place it on a flat surface.

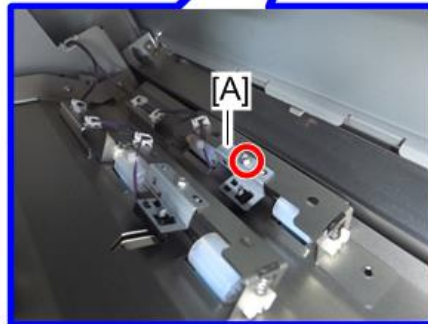
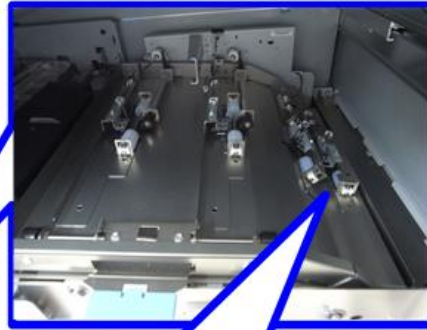


m205a2683

4

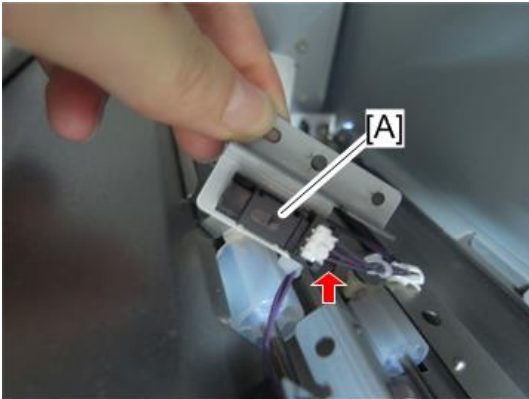
LCT Relay Sensor

1. Sensor bracket [A] (⚙️×1)



m205a2296

2. LCT relay sensor [A] (🔩 ×1)



m205a2297

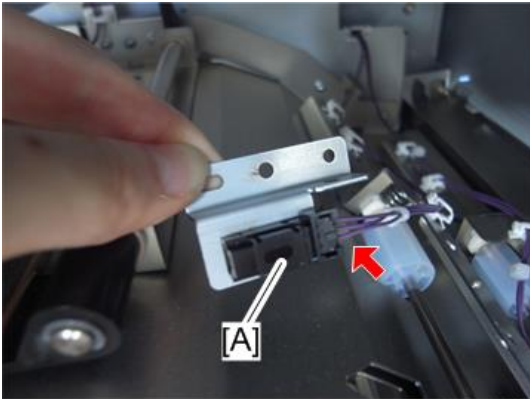
Registration Entrance Sensor 1

1. Sensor bracket [A] (🔩 ×1)



m205a2298

2. Registration entrance sensor 1 [A] (📦 ×1)

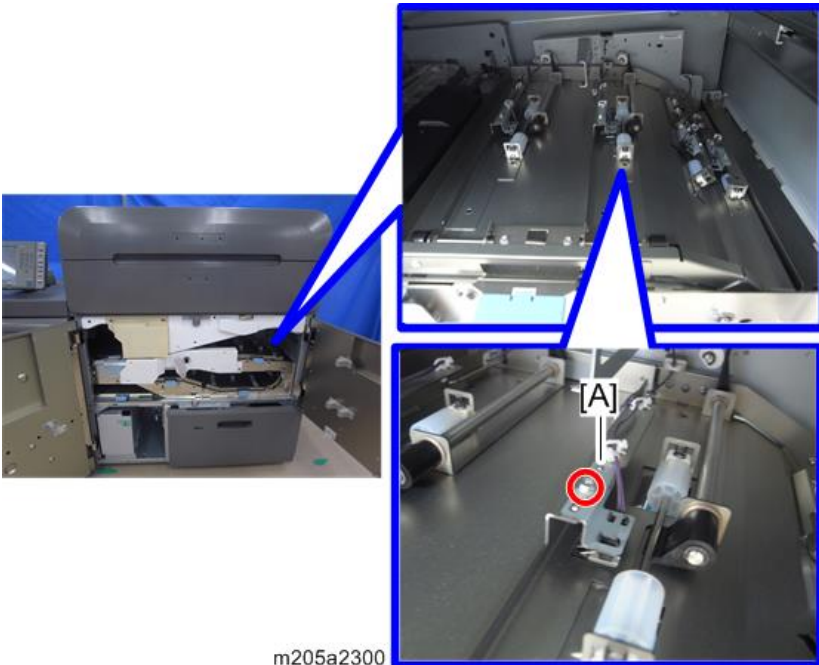


m205a2299

4

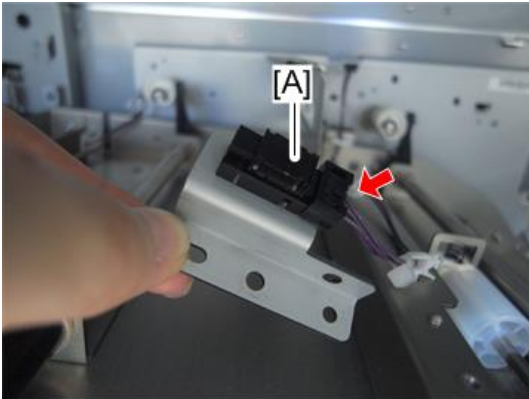
Registration Entrance Sensor 2

1. Sensor bracket [A] (📦 ×1)



m205a2300

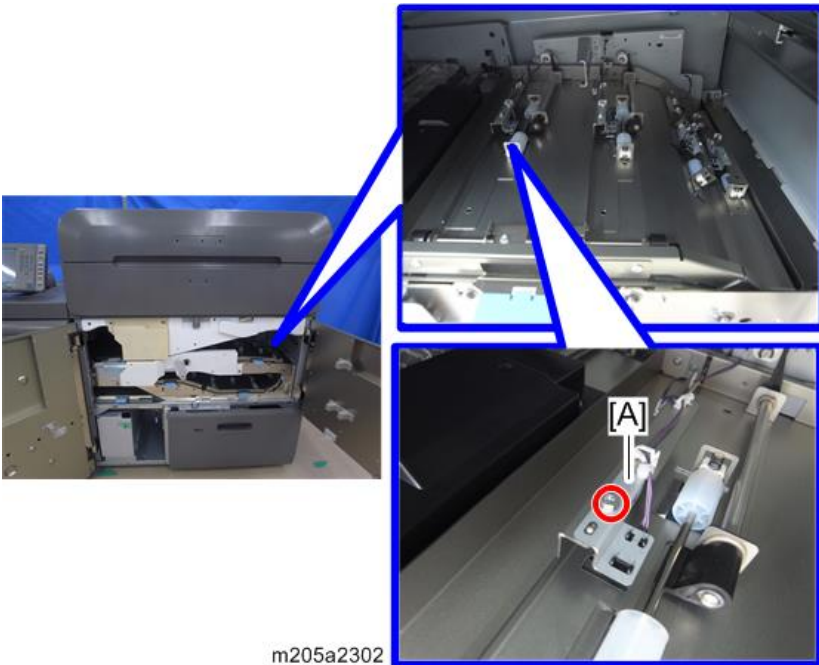
2. Registration entrance sensor 2 [A] (📦 ×1)



m205a2303

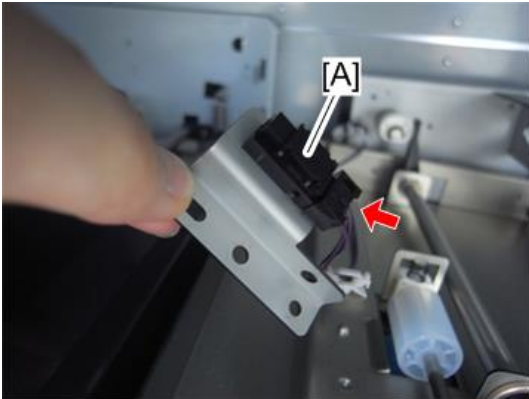
Registration Entrance Sensor 3

1. Sensor bracket [A] (📦 ×1)



m205a2302

2. Registration entrance sensor 3 [A] (📦 ×1)

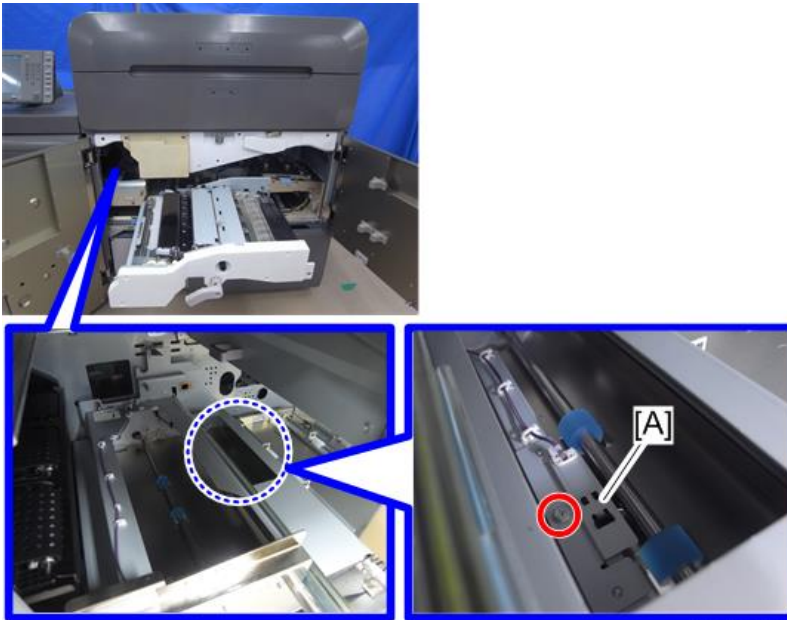


m205a2301

4

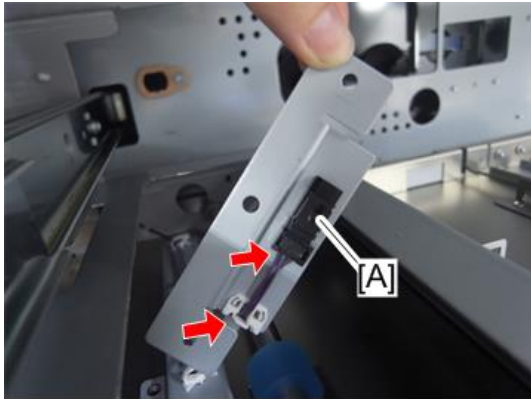
Paper Transport Sensor 4

1. 1st paper transport belt (PTB) unit (page 1123)
2. Sensor bracket [A] (📦 ×1)



m205a2289

3. Paper transport sensor 4 [A] (🔧×1, 📦×1)



m205a2290

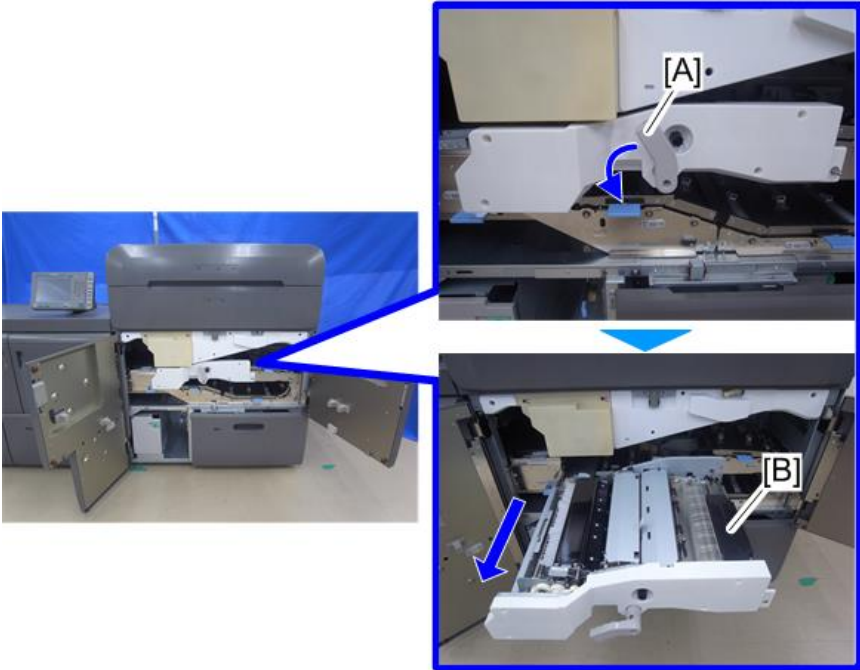
Paper Transport Sensor 5

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

2. Rotate the handle [A] counter-clockwise and withdraw the drawer unit [B].



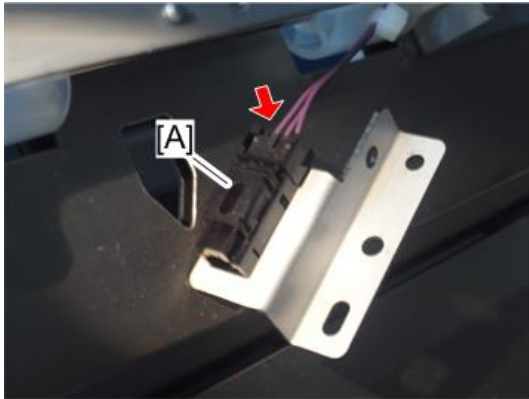
m205a2272

3. Sensor bracket [A] (⊗ ×1)



m205a2273

4. Paper transport sensor 5 [A] (📦 x1)



m205a2274

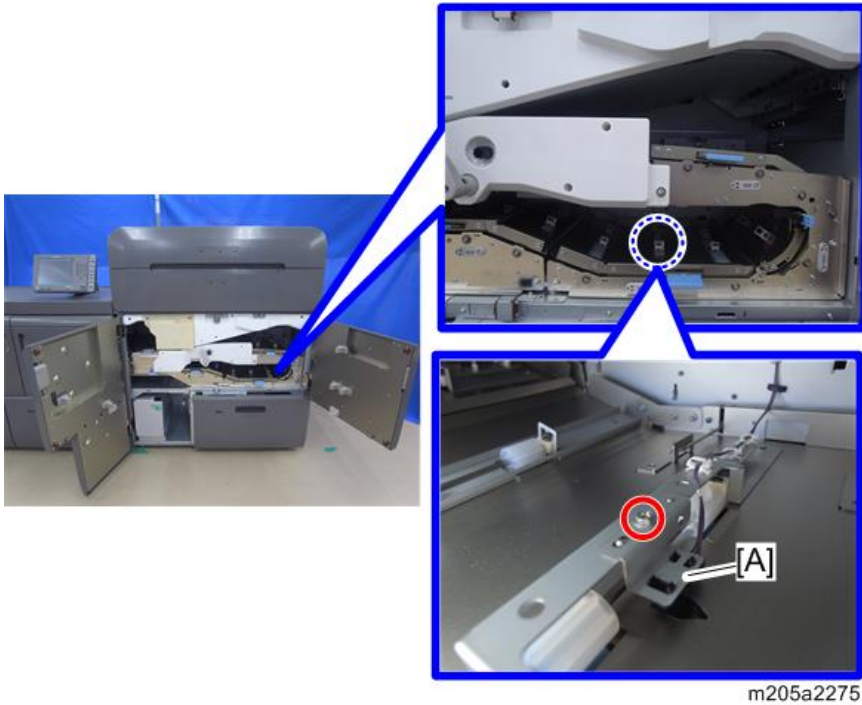
Paper Transport Sensor 6

1. Open the front left door [A] and front right door [B] of the imaging section.

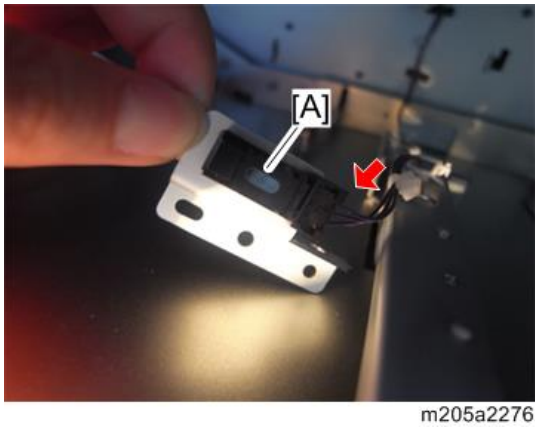


m205a2271

2. Sensor bracket [A] (🔩 ×1)



3. Paper transport sensor 6 [A] (📦 ×1)



Paper Transport Sensor 7

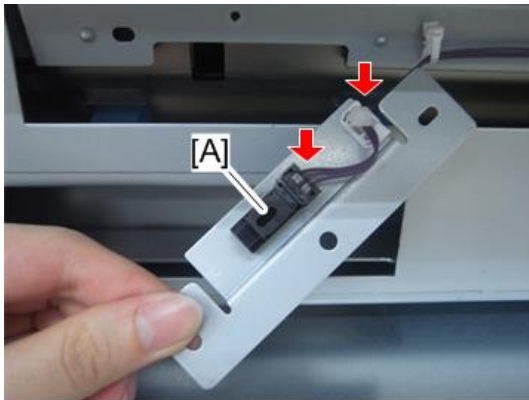
1. Right cover (imaging section) (page 681)

2. Sensor bracket [A] (🔑 ×1)



m205a2277

3. Paper transport sensor 7 [A] (🔑 ×1, 📦 ×1)

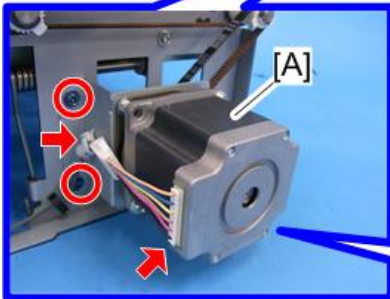
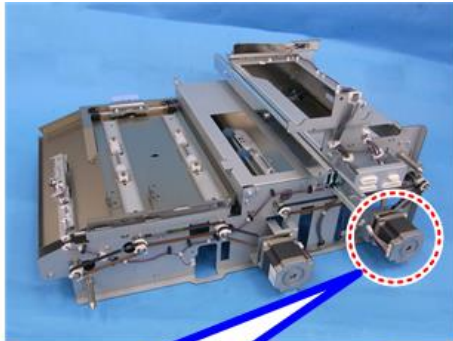


m205a2278

Paper Transport Motor 4

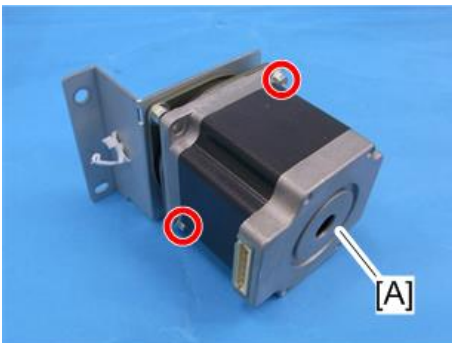
1. Registration unit (left) (page 963)

2. Motor bracket [A] (⚙️×1, 📦×1, ⚙️×3, 🛠️×1)



m205a2690

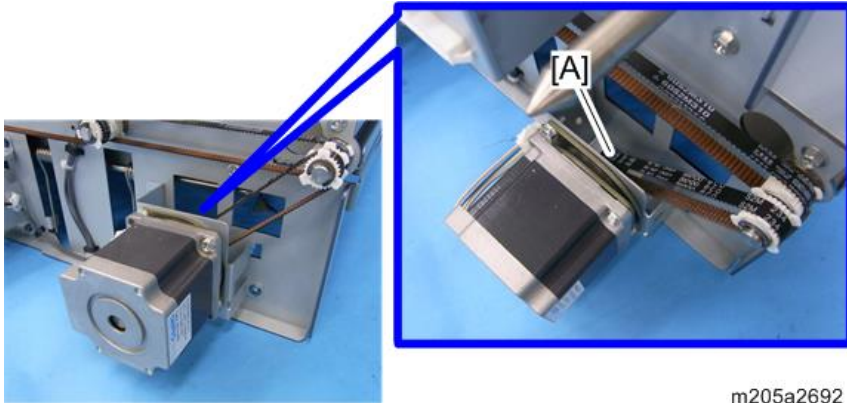
3. Paper transport motor 4 [A] (⚙️×2)



m205a2691

⚠️ Note

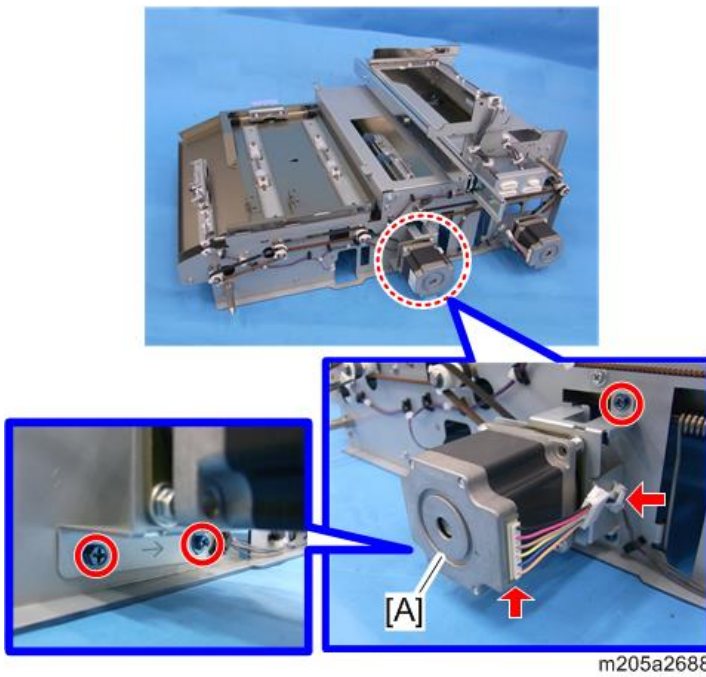
- When installing the paper transport motor 4, make sure that the timing belt [A] is installed correctly.



m205a2692

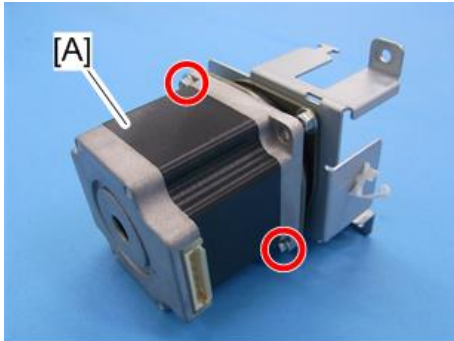
Paper Transport Motor 5

1. Registration unit (left) (page 963)
2. Motor bracket [A] (⚙️×1, 📦×1, 🛠️×3, 🌀×1)



m205a2688

3. Paper transport motor 5 [A] (Ⓜ×2)

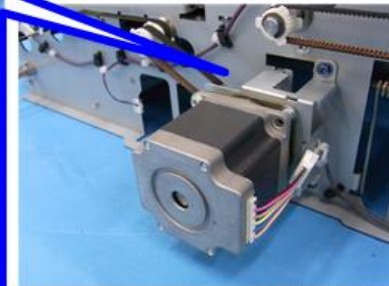
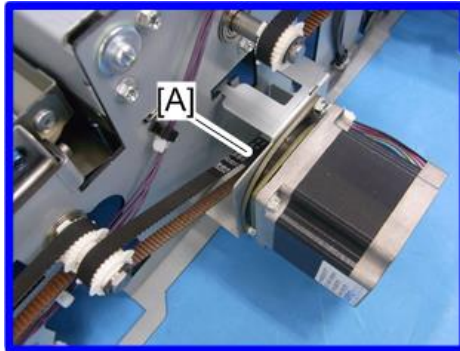


m205a2689

4

↓ Note

- When installing the paper transport motor 5, make sure that the timing belt [A] is installed correctly.

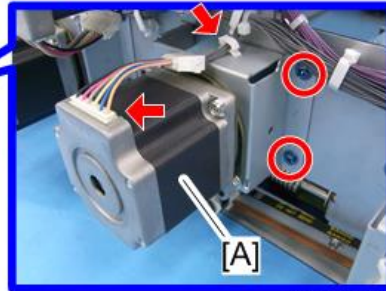
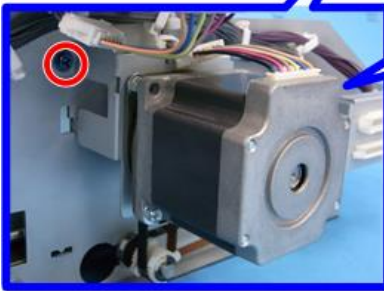
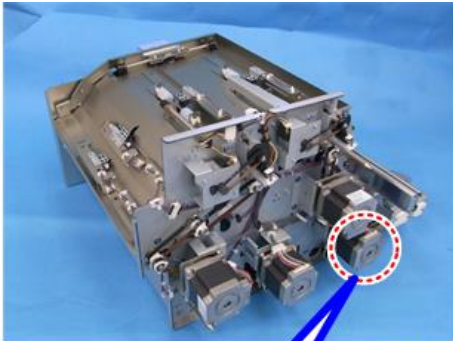


m205a2693

Paper Transport Motor 6

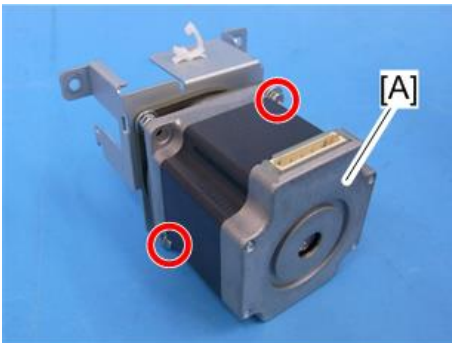
1. Registration unit (right) (page 961)

2. Motor bracket [A] (⚙️×1, 📦×1, ⚙️×3, 🌀×1)



m205a2694

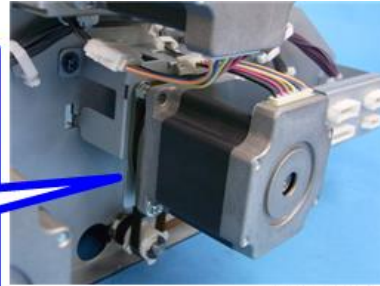
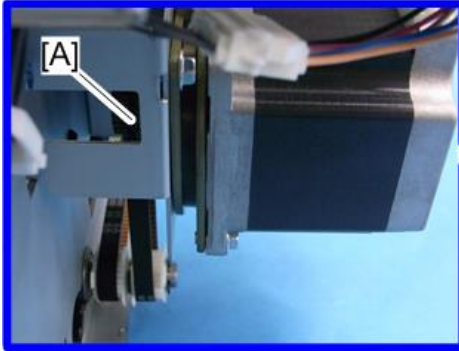
3. Paper transport motor 6 [A] (⚙️×2)



m205a2695

↓ Note

- When installing the paper transport motor 6, make sure that the timing belt [A] is installed correctly.

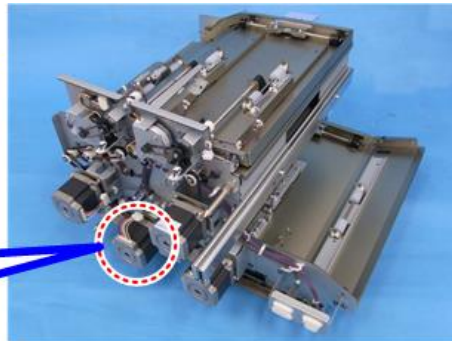
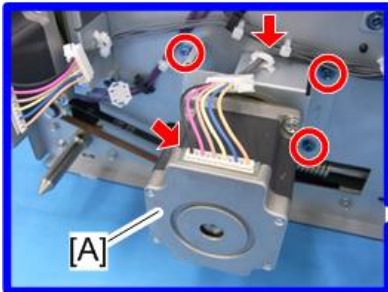


m205a2696

4

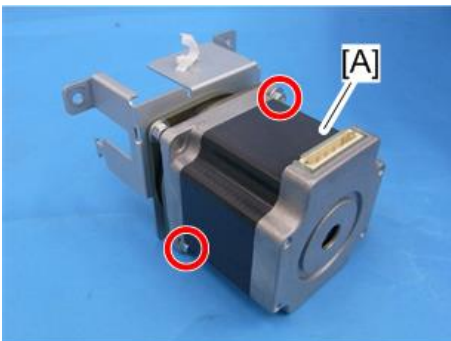
Paper Transport Motor 7

1. Registration unit (right) (page 961)
2. Motor bracket [A] (⚙️×1, 📦×1, 🛠️×3, 🌀×1)



m205a2697

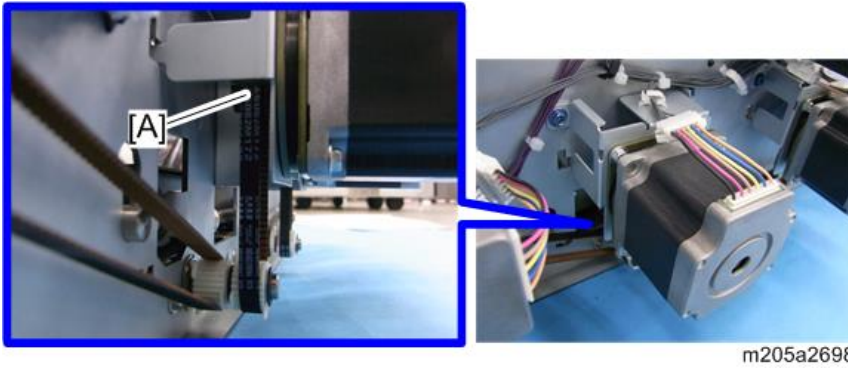
3. Paper transport motor 7 [A] (⚙️×2)



m205a2699

↓ Note

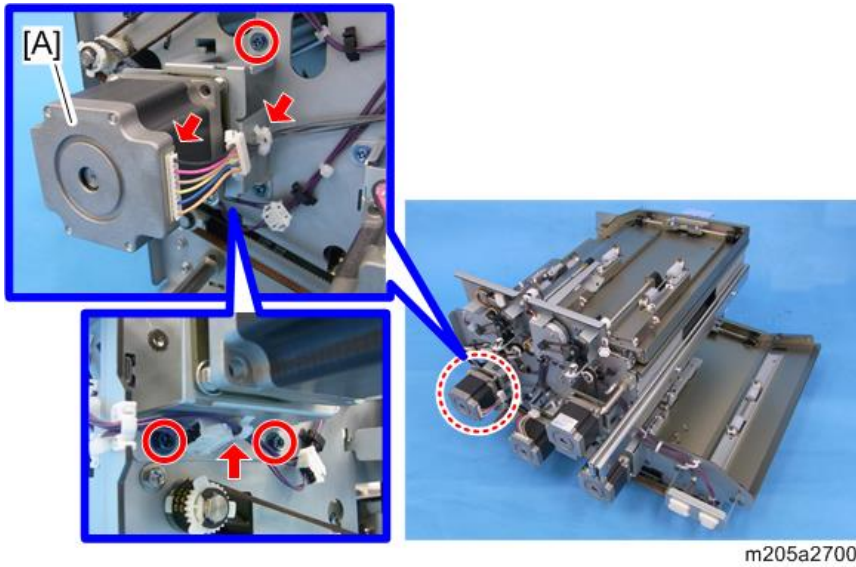
- When installing the paper transport motor 7, make sure that the timing belt [A] is installed correctly.



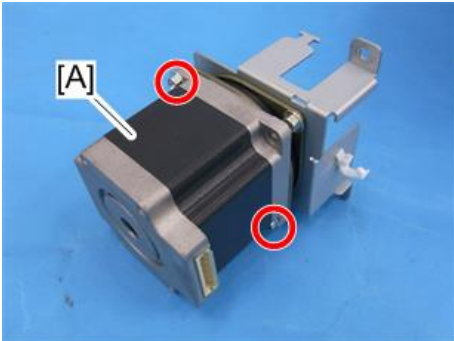
Registration Entrance Motor 1

4

1. Registration unit (right) (page 961)
2. Motor bracket [A] (⚙️ x2, 📦 x1, ⚙️ x3, 🛠️ x1)



3. Registration entrance motor 1 [A] (⌀×2)

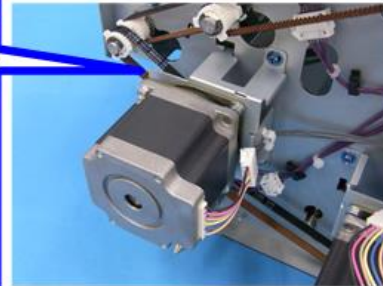
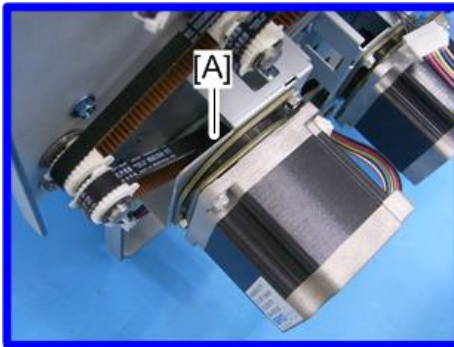


m205a2701

4

↓ Note

- When installing the registration entrance motor 1, make sure that the timing belt [A] is installed correctly.

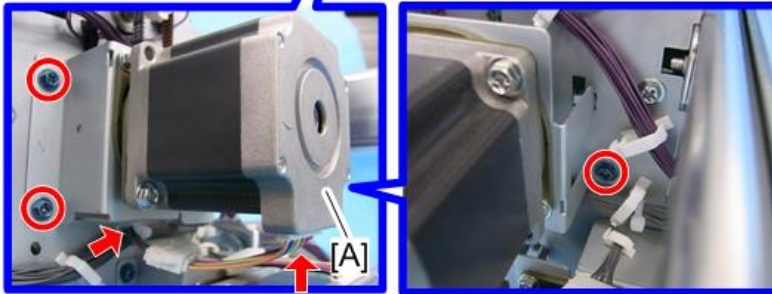
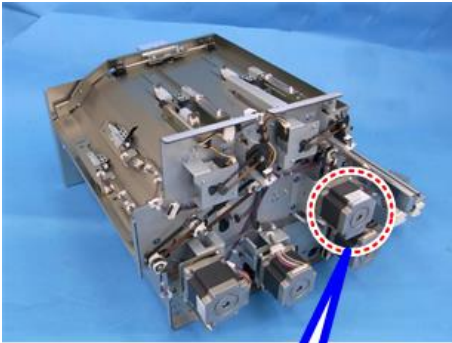


m205a2702

Registration Entrance Motor 2

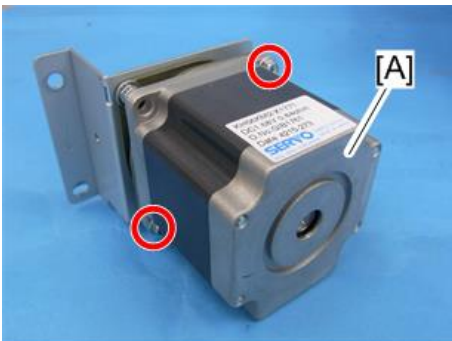
1. Registration unit (right) (page 961)

2. Motor bracket [A] (⚙️×1, 📦×1, 🌀×3, 🌀×1)



m205a2703

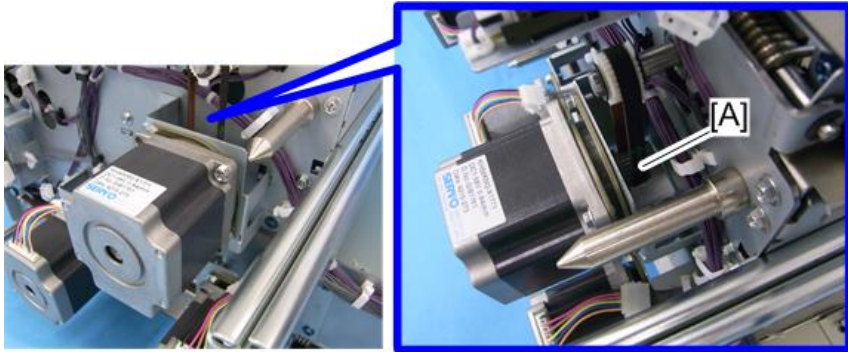
3. Registration entrance motor 2 [A] (🌀×2)



m205a2704

⬇️ Note

- When installing the registration entrance motor 2, make sure that the timing belt [A] is installed correctly.

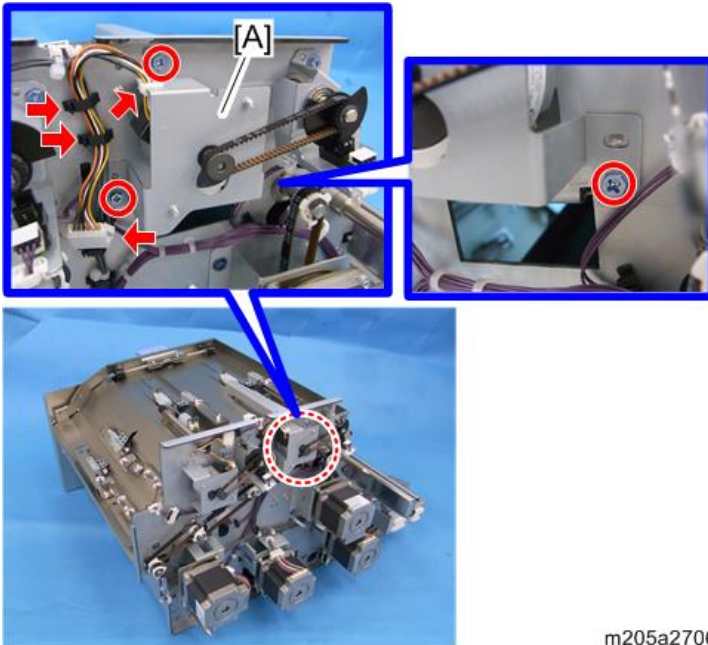


m205a2705

4

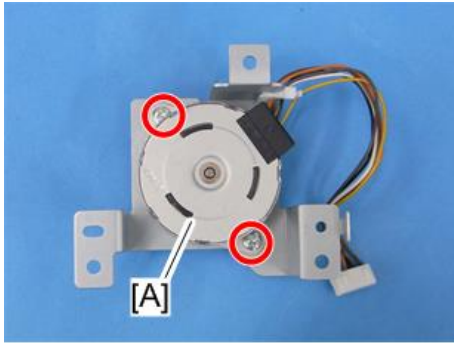
Registration Roller Lift Motor 1

- 1. Registration unit (right) (page 961)
- 2. Motor bracket [A] (⚙️×3, 📦×1, 🛠️×3, 🌀×1)



m205a2706

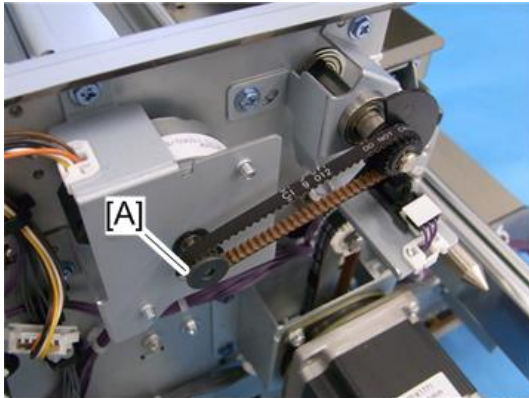
3. Registration roller lift motor 1 [A] (🔧×2)



m205a2707

↓ Note

- When installing the registration roller lift motor 1, make sure that the timing belt [A] is installed correctly.

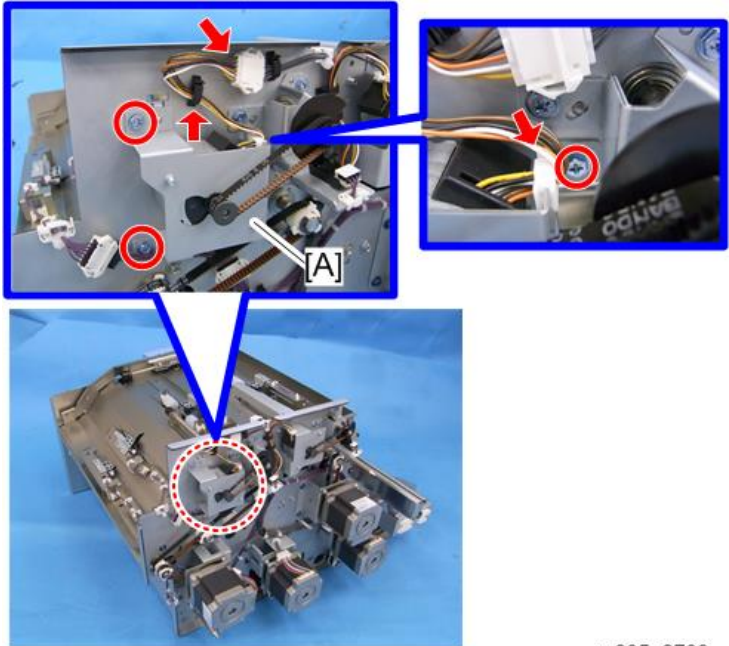


m205a2708

Registration Roller Lift Motor 2

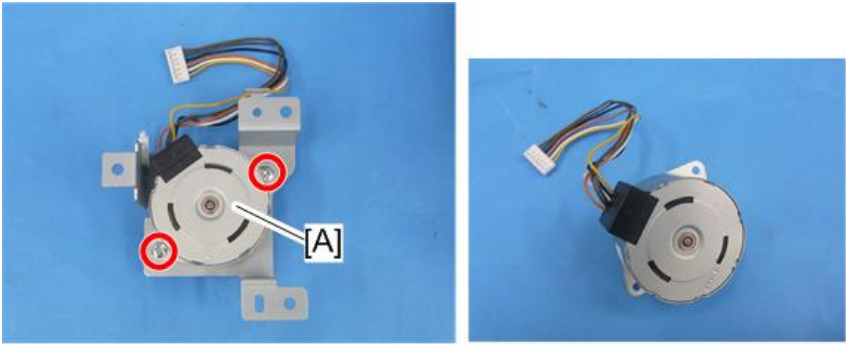
1. Registration unit (right) (page 961)

2. Motor bracket [A] (⚙️×2, 📦×1, ⚙️×3, 🌀×1)



m205a2709

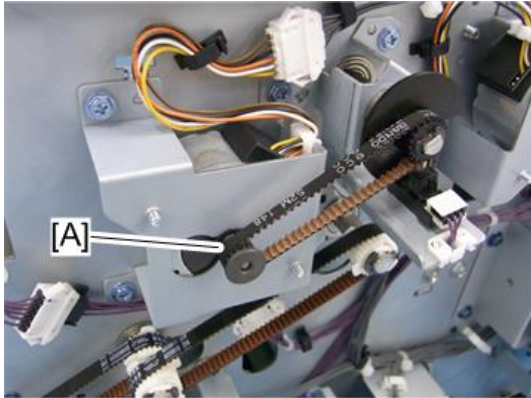
3. Registration roller lift motor 2 [A] (⚙️×2)



m205a2710

⬇️ Note

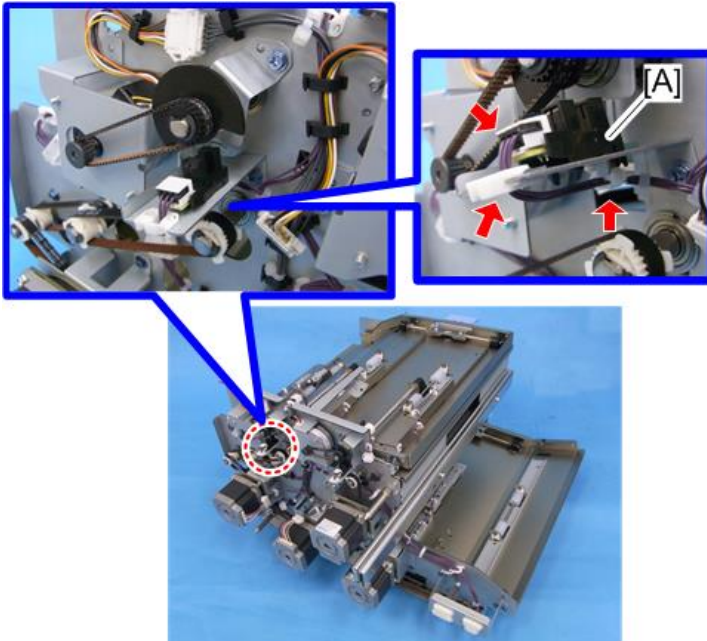
- When installing the registration roller lift motor 2, make sure that the timing belt [A] is installed correctly.



m205a2711

Registration Roller Home Position Sensor 1

1. Registration unit (right) (page 961)
2. Registration roller home position sensor 1 [A] (🔧×2, 📦×1)

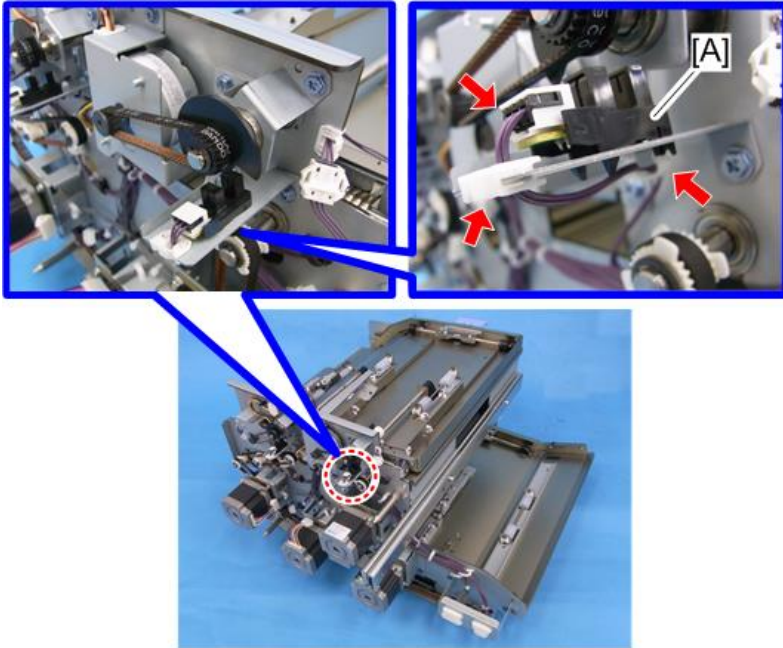


m205a2712

Registration Roller Home Position Sensor 2

1. Registration unit (right) (page 961)

2. Registration roller home position sensor 2 [A] (🔧×2, 📦×1)



m205a2713

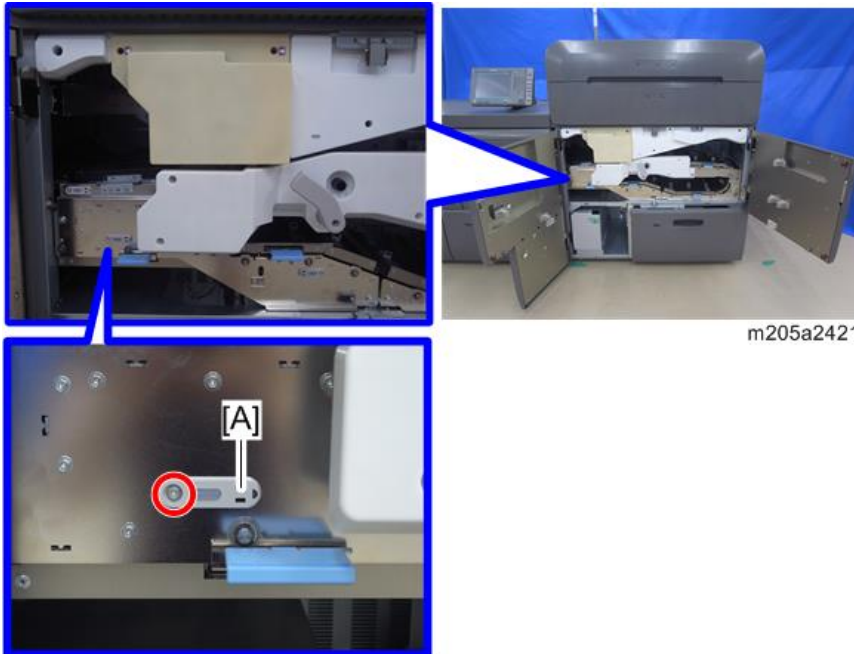
Paper Transport LED 3

1. Open the front left door [A] and front right door [B] of the imaging section.



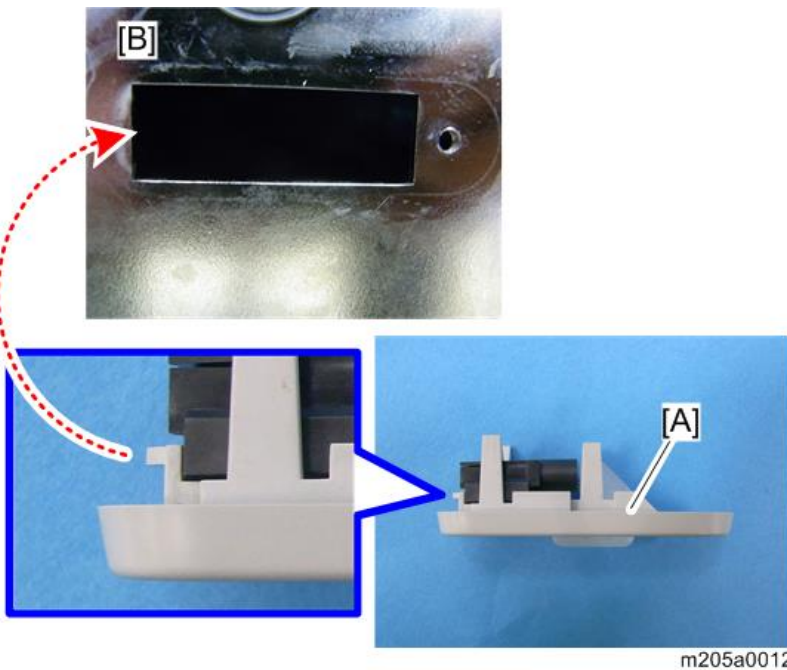
m205a2271

2. LED bracket [A] (🔑 ×1)

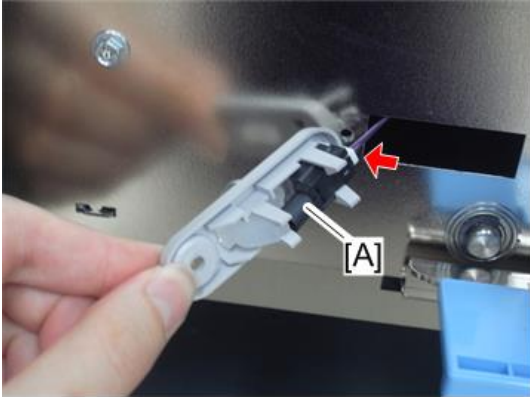


⬇ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Paper transport LED 3 [A] (📦 x1)



m205a2422

4

Paper Transport LED 4

1. Open the front left door [A] and front right door [B] of the imaging section.

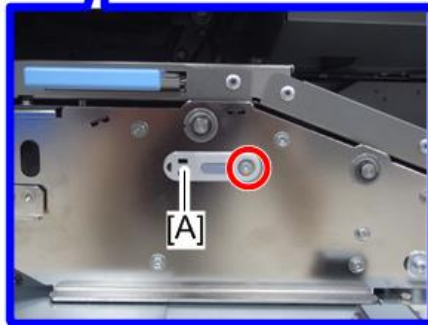


m205a2271

2. LED bracket [A] (⑤ ×1)

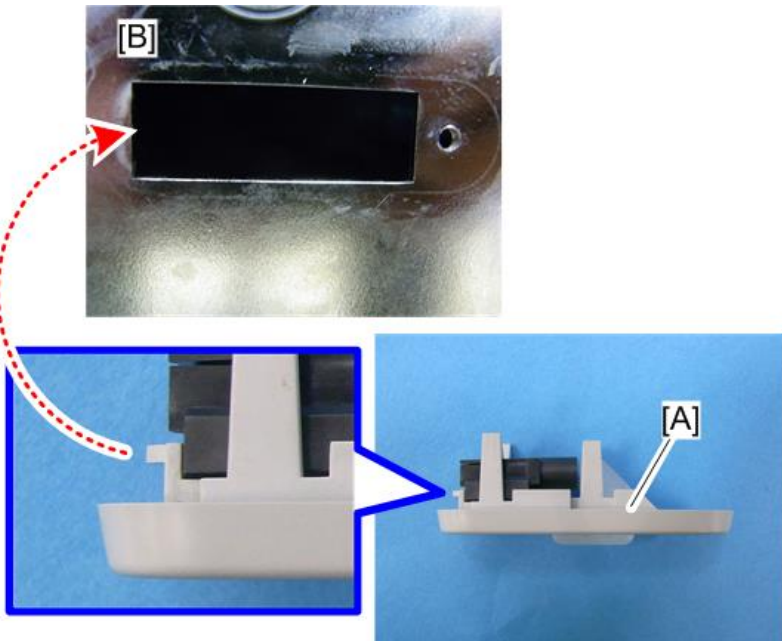


m205a2423



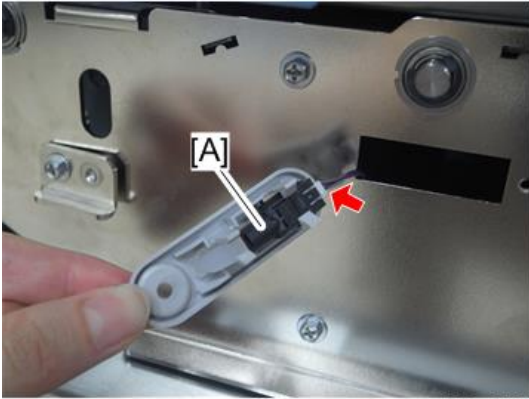
↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



m205a0012

3. Paper transport LED 4 [A] (📦 x1)



m205a2424

4

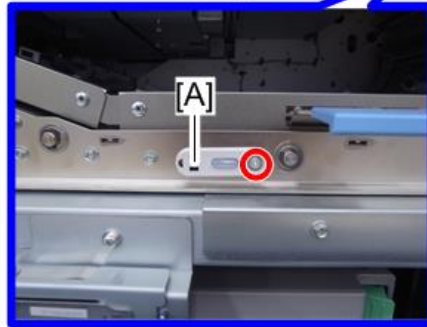
Paper Transport LED 5

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

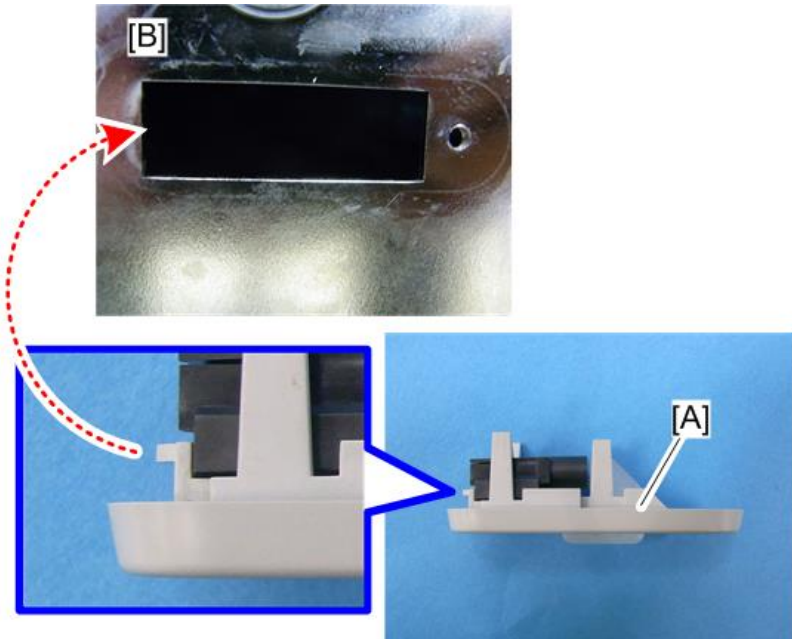
2. LED bracket [A] (5 × 1)



m205a2425

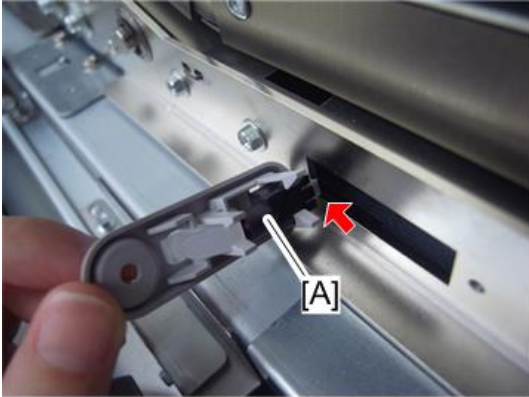
↓ **Note**

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



m205a0012

3. Paper transport LED 5 [A] (📦 x1)



m205a2426

4

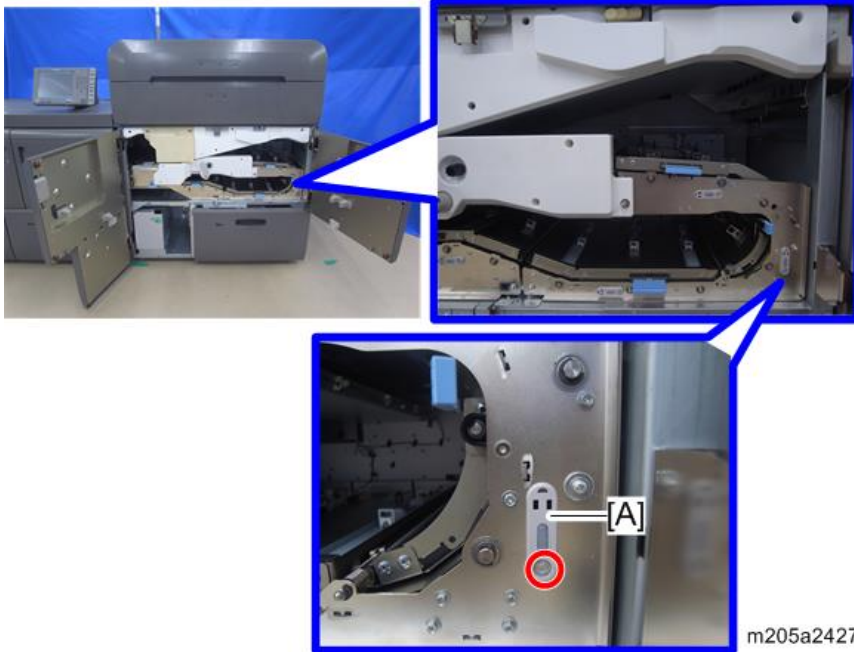
Paper Transport LED 6

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

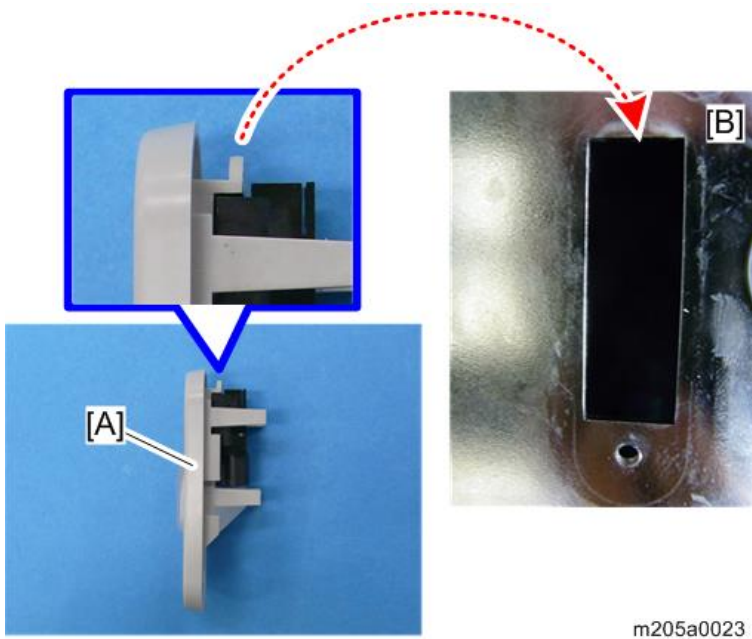
2. LED bracket [A] (6 × 1)



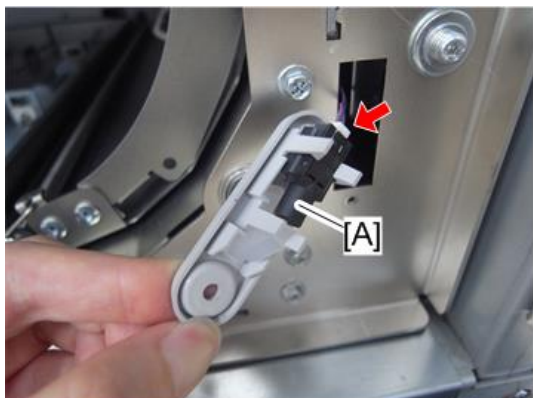
4

↓ **Note**

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Paper transport LED 6 [A] (📦 x1)



m205a2428

Paper Feed Section (Tray 2)

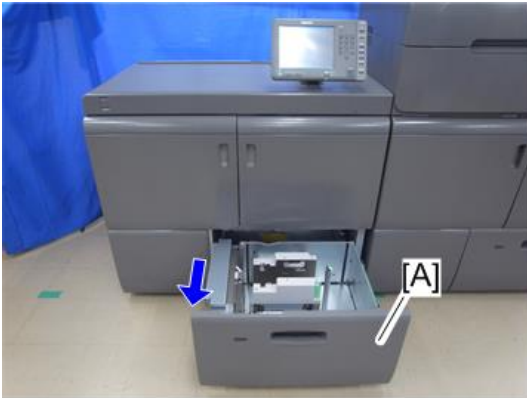
Paper Tray Section (Tray 2)

Paper Tray 2

★ Important

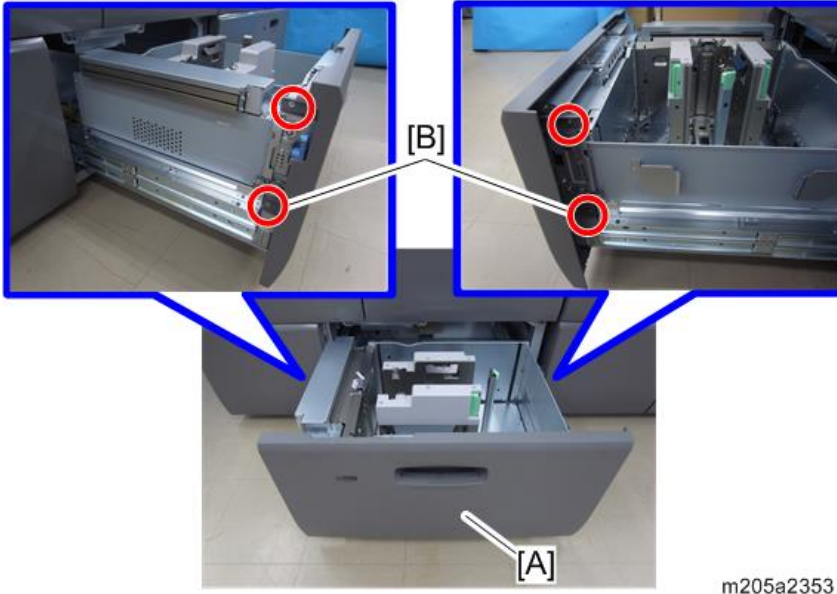
- The tray weighs about 30kg. Since it is heavy, two or more people are required to move it and be sure to handle it with care.

1. Pull out the paper tray 2 [A].

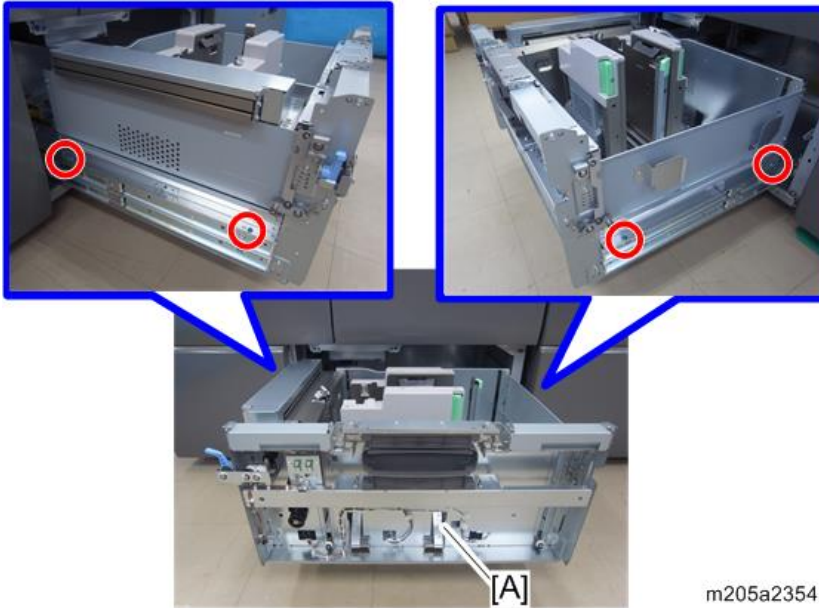


m205a2352

2. Pull the front cover [A] of the tray to the front, and then remove it. (🔩 ×2, 🛠️ ×2)
 - The lower screws [B] are shoulder screws.

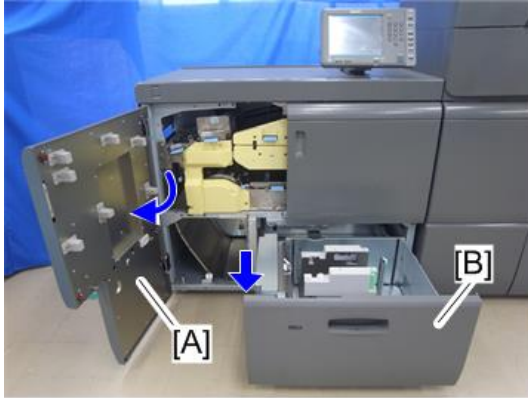


3. Paper tray 2 [A] (⊖[ⓧ] ×4)



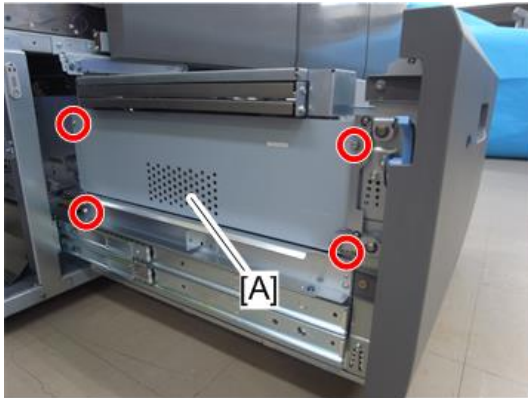
Paper Feed Roller Unit (Tray 2)

1. Open the front left door [A] of the fusing section and pull out paper tray 2 [B].



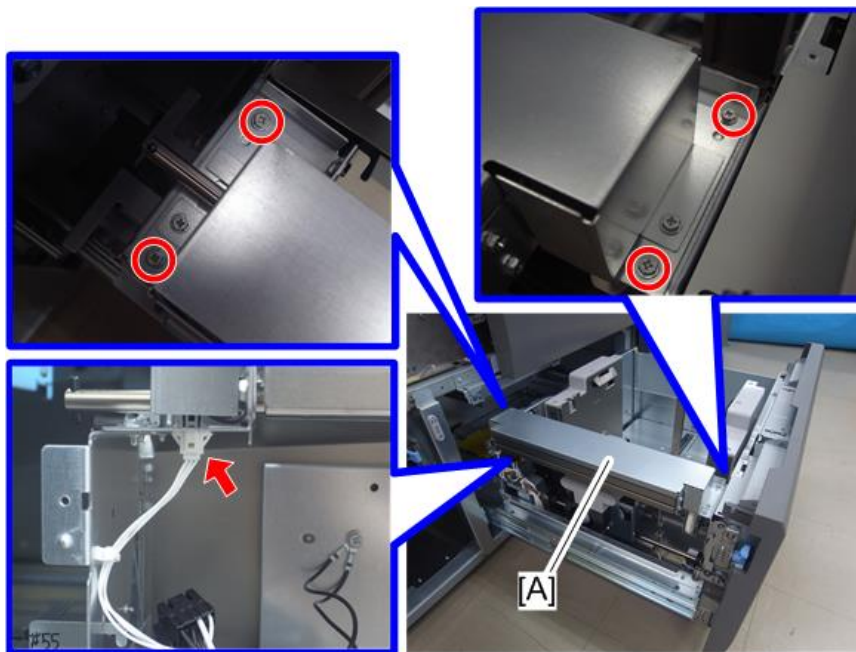
m205a2355

2. Remove the left upper cover [A] of paper tray 2. (🔑 ×4)



m205a2356

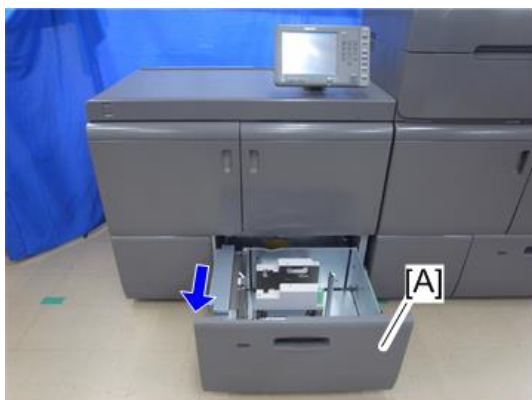
3. Paper feed roller unit (tray 2) [A] (🔩×4, 📦×1)



m205a2357

Paper Length Sensor 1, 2 (Tray 2)

1. Pull out the paper tray 2 [A].



m205a2352

2. Grip the side fence lock and spread the side fence [A].



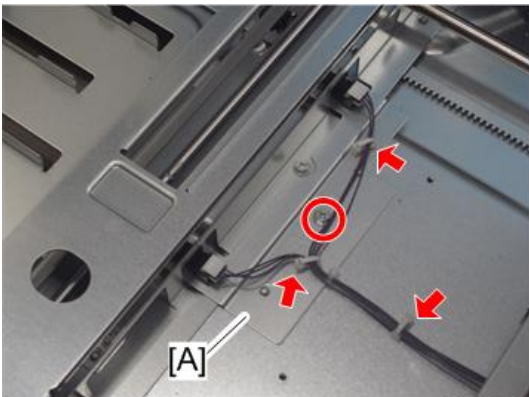
m205a2358

3. Sensor cover [A] (🔩 ×2)



m205a2359

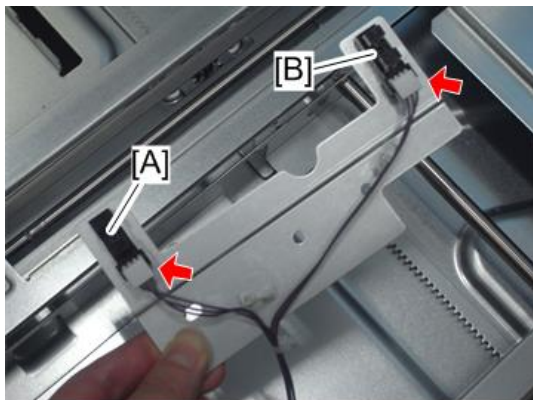
4. Sensor bracket [A] (🔩 ×3, 🛡️ ×1)



m205a2136

5. Paper length sensor 1 (tray 2) [A] (📏 ×1)

6. Paper length sensor 2 (tray 2) [B] (📄 ×1)

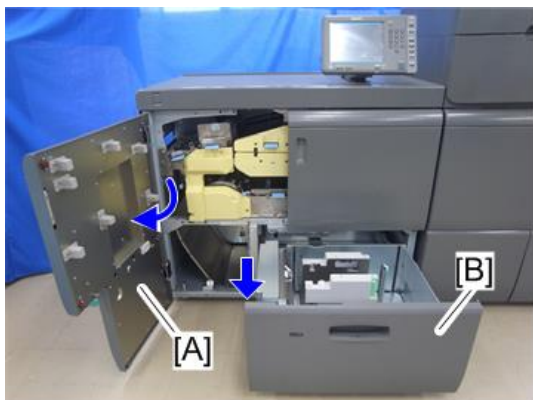


m205a2137

4

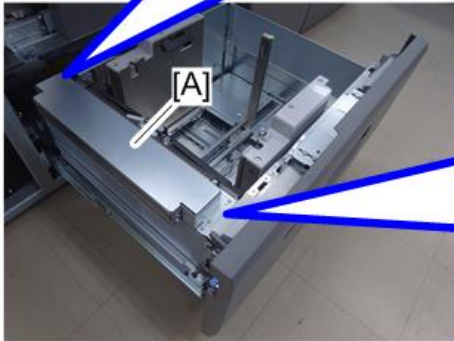
Paper Feed Sensor (Tray 2)

1. Open the front left door [A] of the fusing section and pull out paper tray 2 [B].



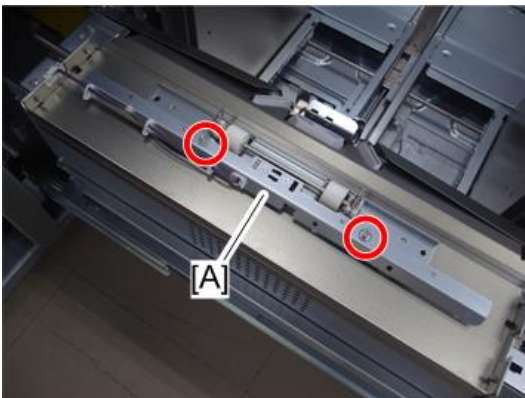
m205a2355

2. Remove the upper cover [A] of paper feed roller unit (tray 2). (⚙️ ×2)



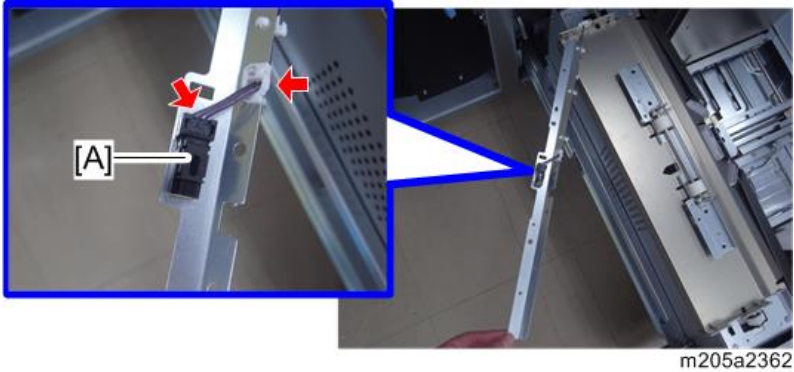
m205a2360

3. Remove the bracket [A] of paper feed sensor (tray 2). (⚙️ ×2)



m205a2361

4. Paper feed sensor (tray 2) [A] (⚙️×1, 📦×1)



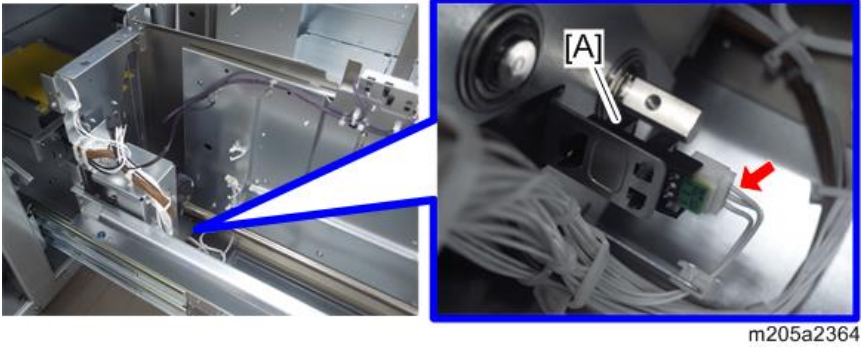
4

Paper Height Sub Sensor (Tray 2)

- 1. Float/separation fan duct (tray 2) (page 1007)
- 2. Hold the pulley [A] while removing the screw, and then remove the pulley [A]. (⚙️×1)

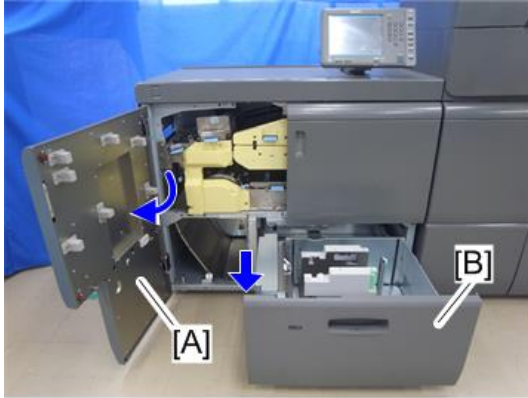


3. Paper height sub sensor (tray 2) [A] (📦×1)



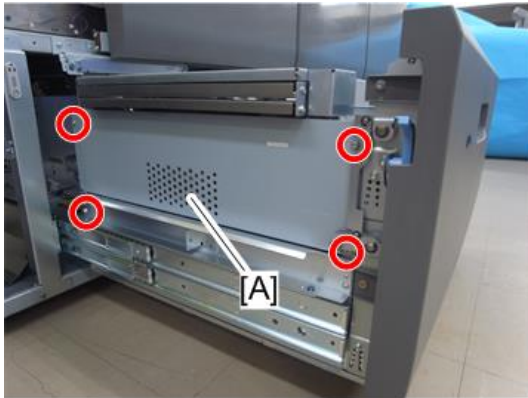
Paper Height Middle Sensor (Tray 2)

1. Open the front left door [A] of the fusing section and pull out paper tray 2 [B].



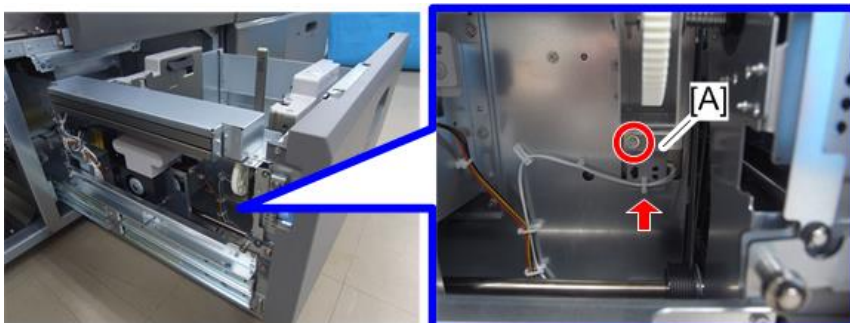
m205a2355

2. Remove the upper left cover [A] of paper tray 2. (🔧×4)



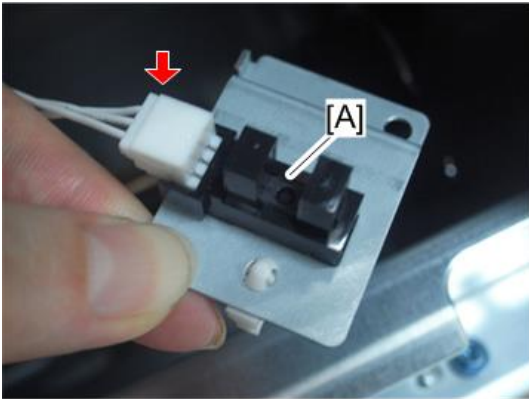
m205a2356

3. Sensor bracket [A] (🔧×1, 🛠️×1)



m205a2365

4. Paper height middle sensor (tray 2) [A] (📦 ×1)



m205a2147

4

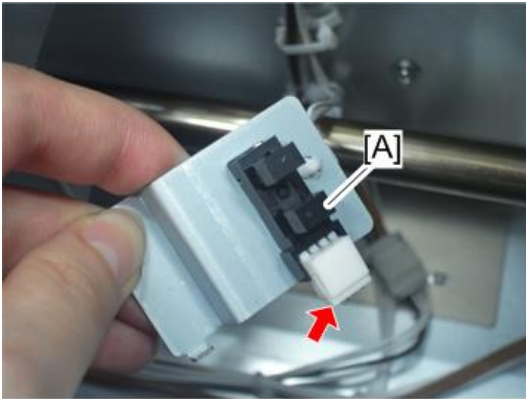
Lower Limit Sensor (Tray 2)

1. Paper feed roller unit (tray 2) (page 999)
2. Sensor bracket [A] (📦 ×1)



m205a2366

3. Lower limit sensor (tray 2) [A] (📦 x1)

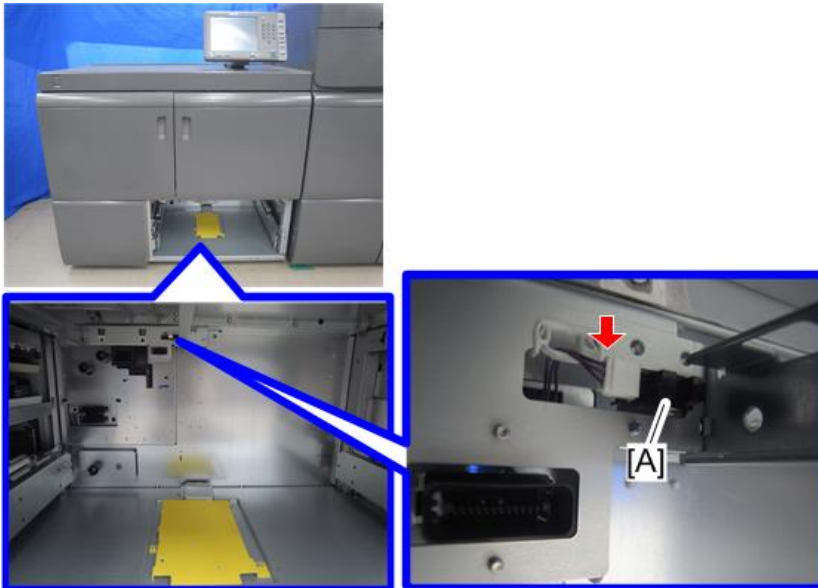


m205a2149

4

Over Limit Sensor (Tray 2)

1. Paper tray 2 (page 997)
2. Paper feed belt unit (tray 2) (page 1042)
3. Over limit sensor (tray 2) [A] (📦 x1)

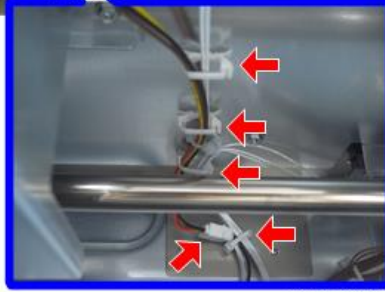
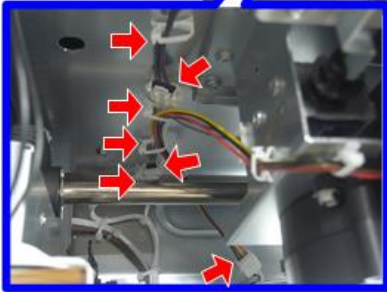
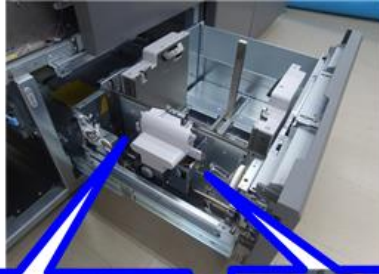


m205a2367

Float/Separation Fan Duct (Tray 2)

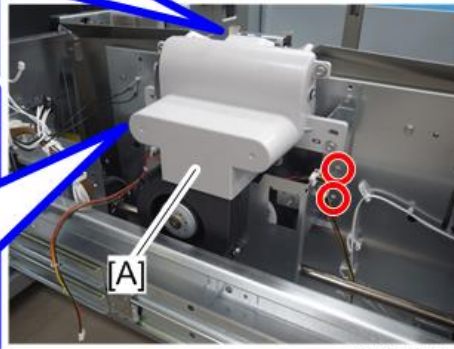
1. Paper feed roller unit (tray 2) (page 999)

2. Open eight clamps and disconnect four connectors. (🔧×8, 📦×4)



m205a2368

3. Float/separation fan duct (tray 2) [A] (🔧×6)



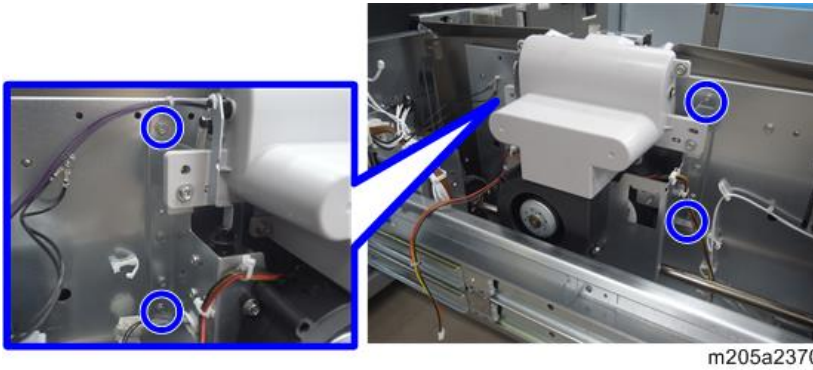
m205a2369

↓ Note

- When installing float/separation fan duct (tray 2), connect the connector firstly, and then install the duct. It is difficult to connect the connector if the duct is installed firstly.

★ Important

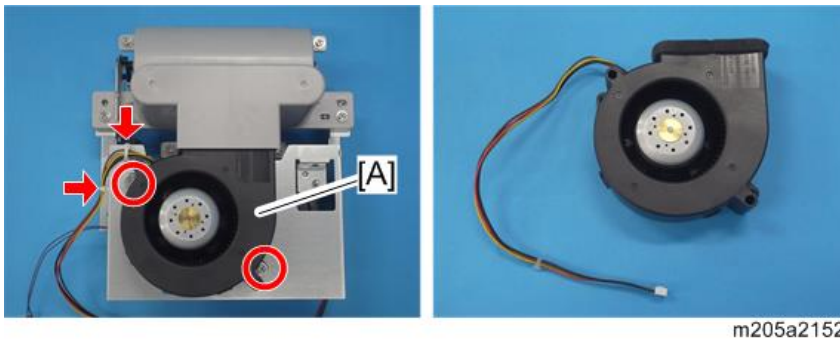
- Do not remove the four screws shown below. The position of the bracket these screws fix is adjusted at the factory and cannot be adjusted in the field.



Float Fan (Tray 2)

4

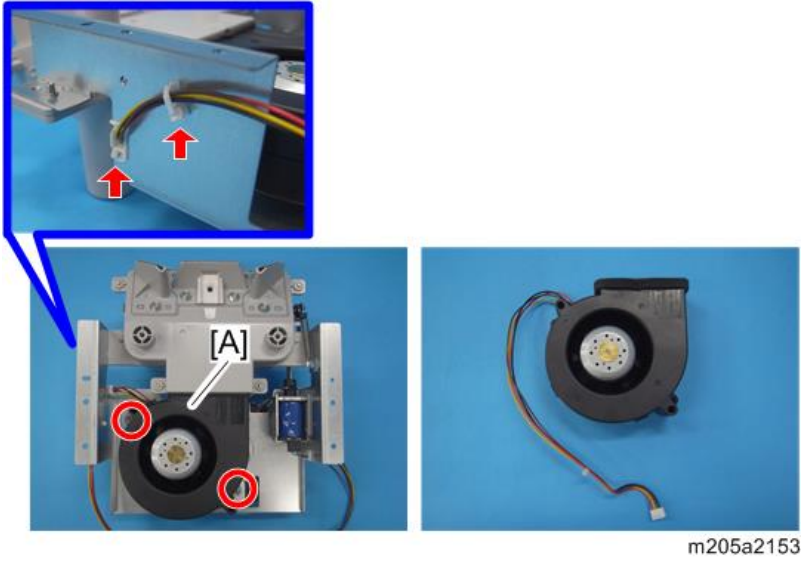
1. Float/separation fan duct (tray 2) (page 1007)
2. Float fan (tray 2) [A] (⊙x2, ⊙x2)



Separation Fan (Tray 2)

1. Float/separation fan duct (tray 2) (page 1007)

2. Separation fan (tray 2) [A] (⚙️×2, 🔩×2)



Front Side Fence (Tray 2)

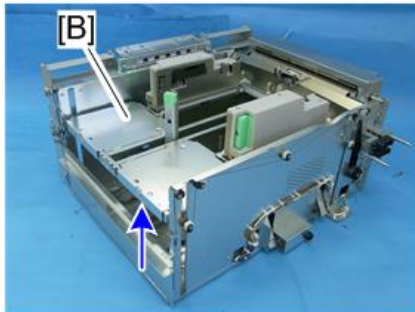
1. Paper tray 2 (page 997)
2. Remove upper right cover [A] of paper tray (tray 2). (⚙️×4)



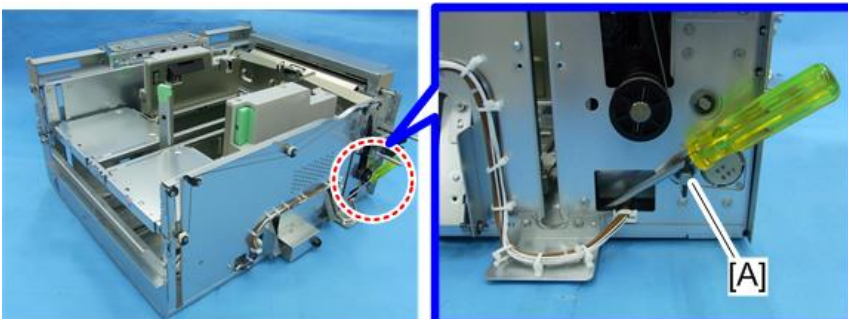
3. Rotate the wire take-up roller [A] at rear of paper tray 2 clockwise and raise the bottom plate [B] until you see it from the end fence side.



m205a2496

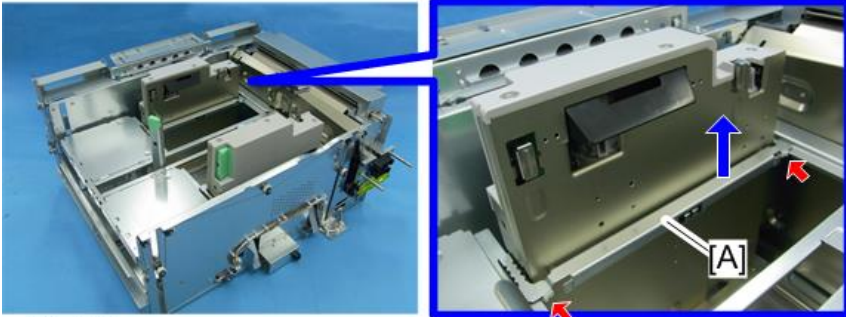


4. After the bottom plate is raised, insert a driver into the sheet metal hole located below the wire take-up roller so that the pin [A] does not rotate.



m205a2497

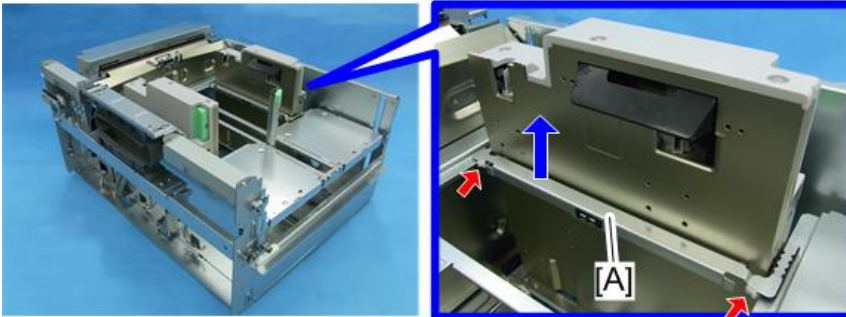
5. Front side fence guide [A] (🔩×2)



m205a2498

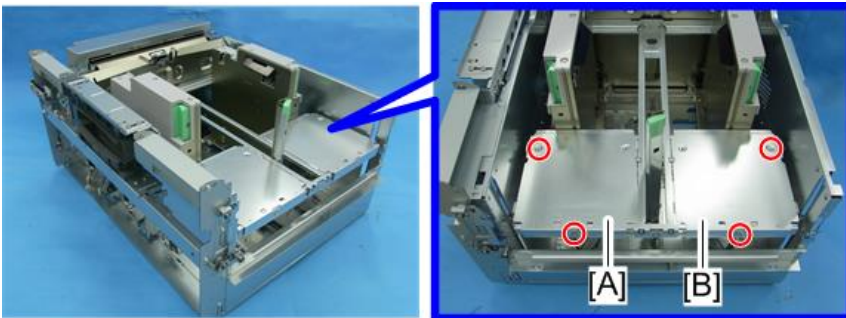
4

6. Rear side fence guide [A] (🔩×2)



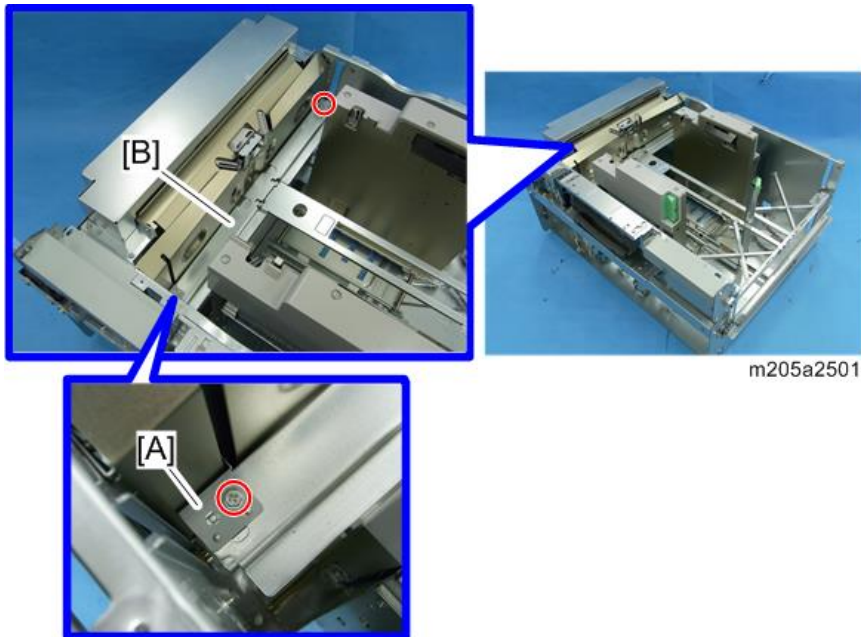
m205a2499

7. Bottom plates [A] and [B] (🔩×2 each)

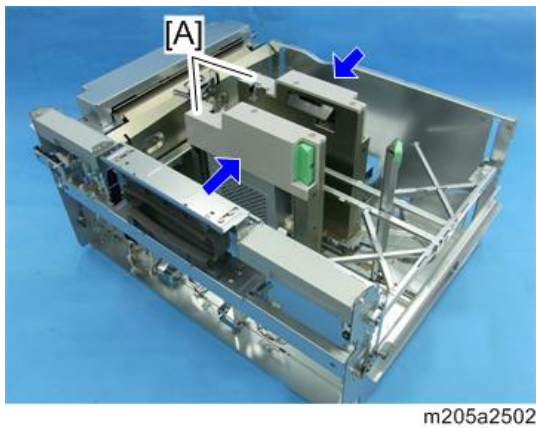


m205a2500

8. Remove the bracket [A], and then remove the plate [B] on the paper feed side. (Ⓜ×2)

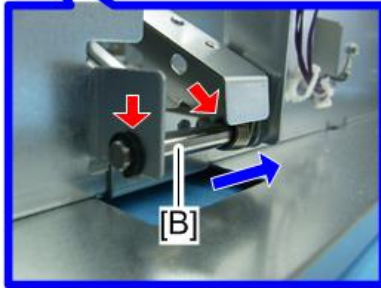
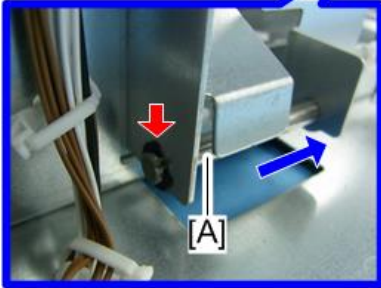
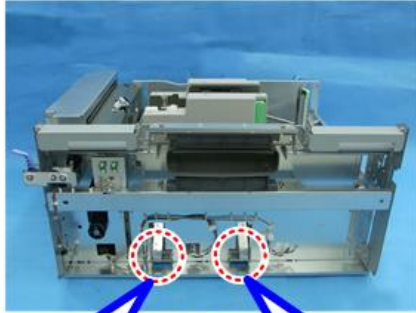


9. Close the side fence [A].



10. Front side fence shafts [A] and [B] (Ⓜ×2, Ⓢ×1)

Pull out the shaft in the direction of the arrow. A spring is attached to the shaft [B].

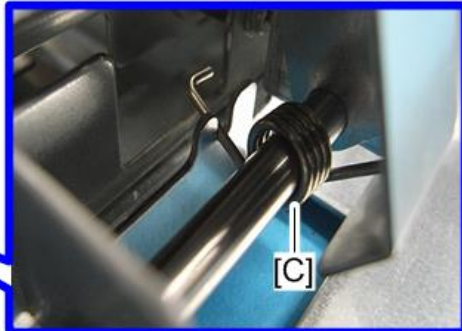
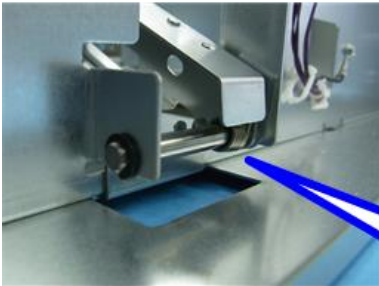


m205a2503

4

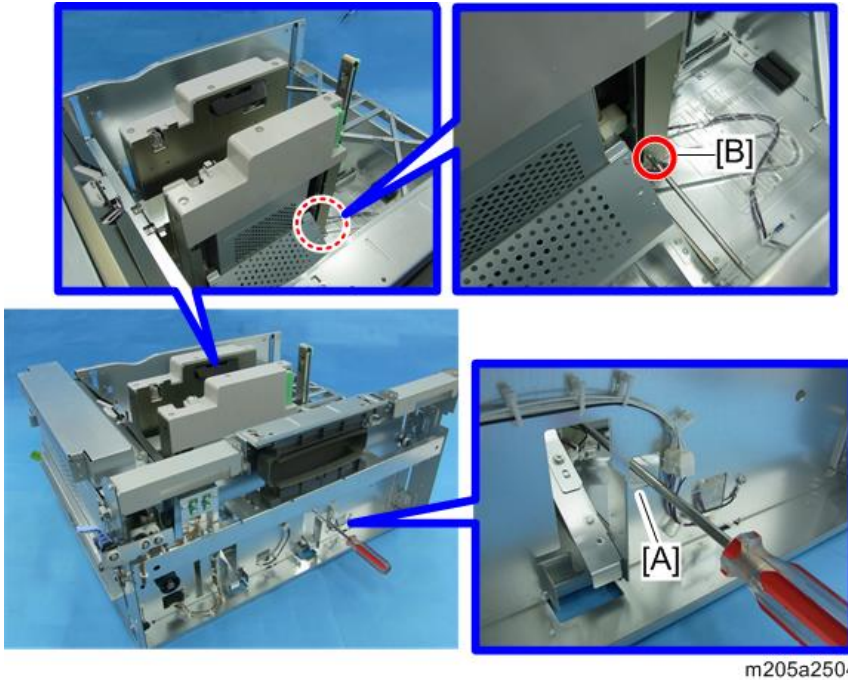
Note

- When re-installing the shaft [B], attach the spring [C] as shown below.

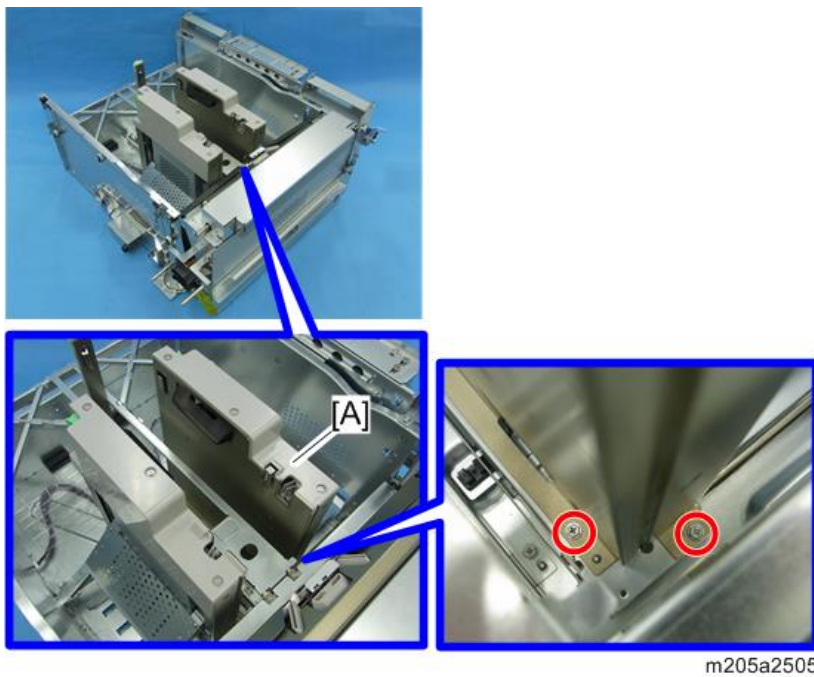


m205a2511

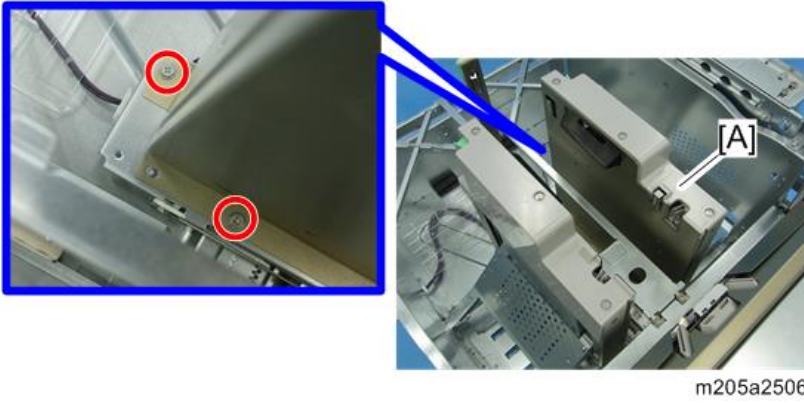
11. Insert a driver from the cut end [A] of the frame and remove the ground screw [B]. (🔩×1)



12. Remove two fixing screws of front side fence (tray 2) [A]. (🔩×2)



13. Remove two fixing screws of front side fence (tray 2) [A]. (🔩×2)

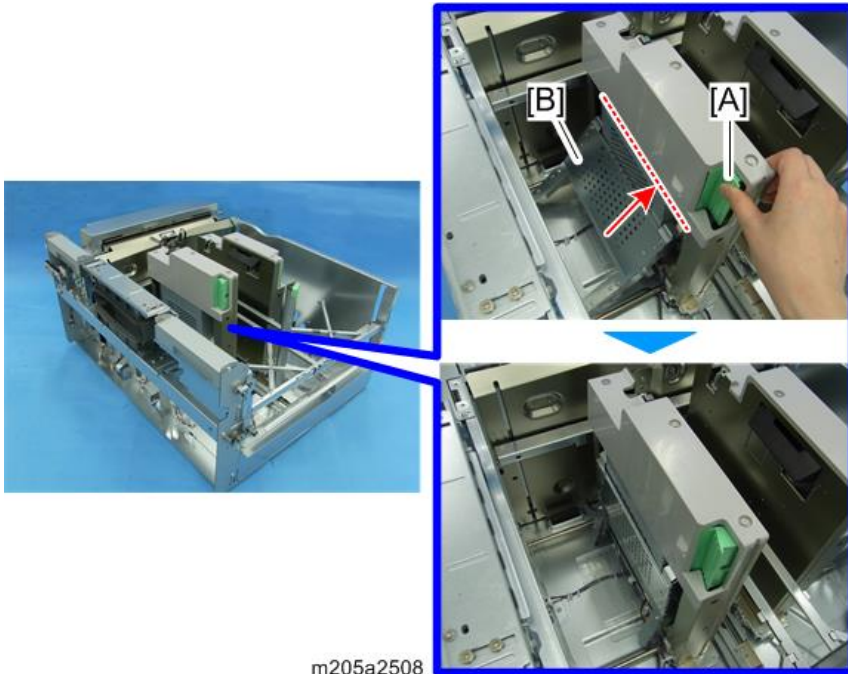


4

14. Open two clamps of the front side fence (tray 2). (🔧×2)

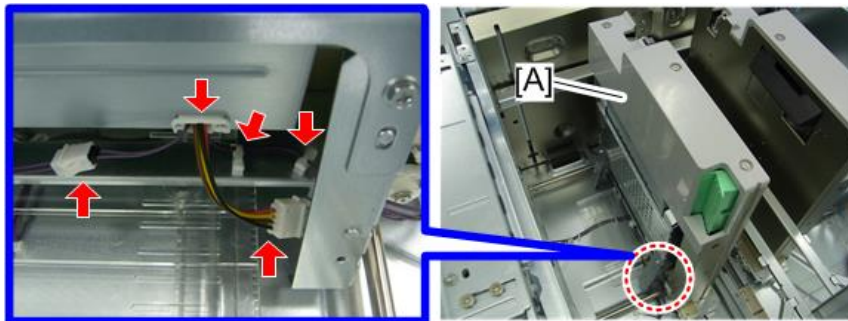


15. Press the lock lever [A] and pull the slide fence [B] up.



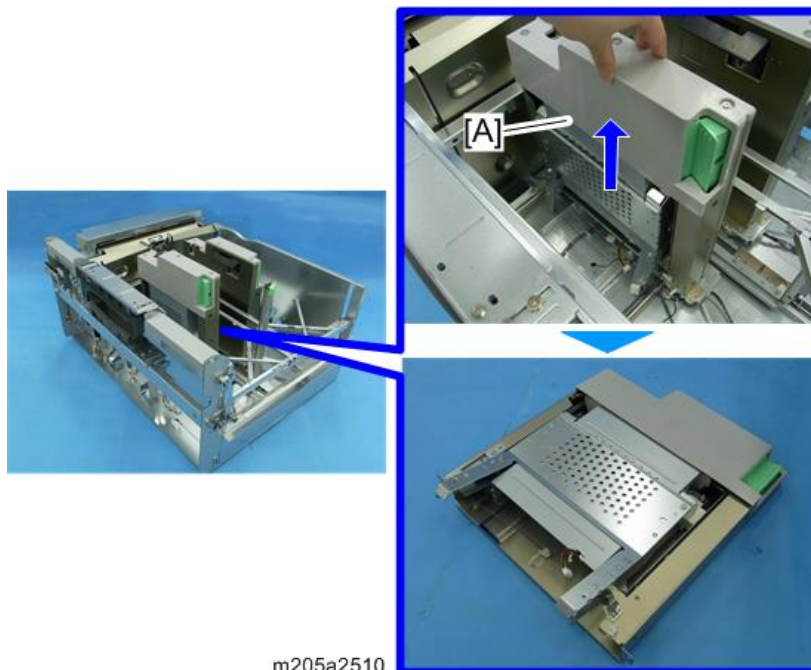
m205a2508

16. Disconnect two connectors and open three clamps located under slide fence [A]. (📦 ×2, 🛠️ ×3)



m205a2509

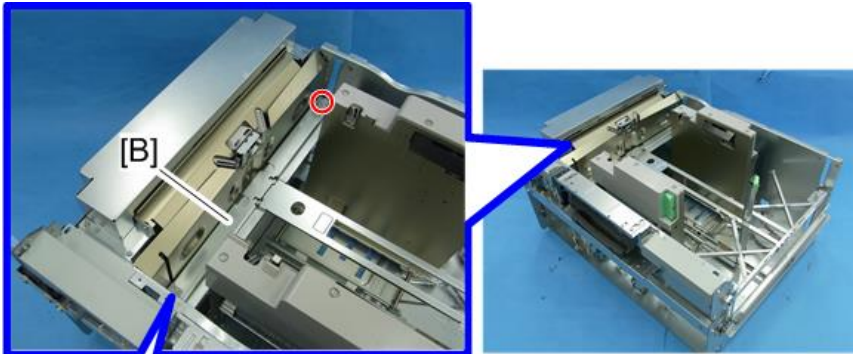
17. Lift the front side fence (tray 2) [A] and remove it.



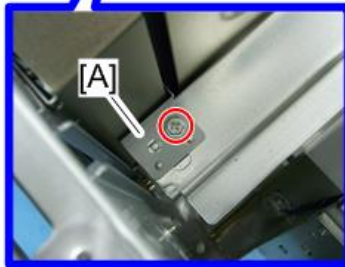
Rear Side Fence (Tray 2)

1. Remove the bottom plate of the paper tray 2. (page 1010 "Front Side Fence (Tray 2)")

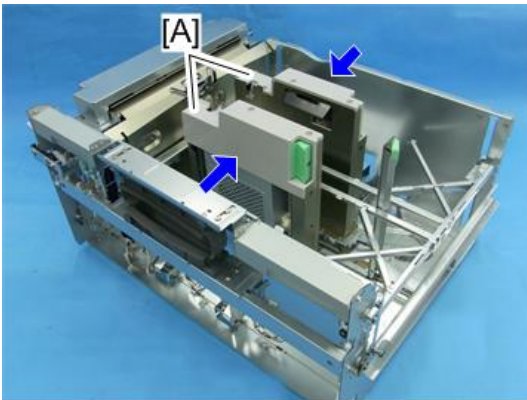
2. Remove bracket [A], and then remove plate [B] at the paper feed side. (⚙️ ×2)



m205a2501

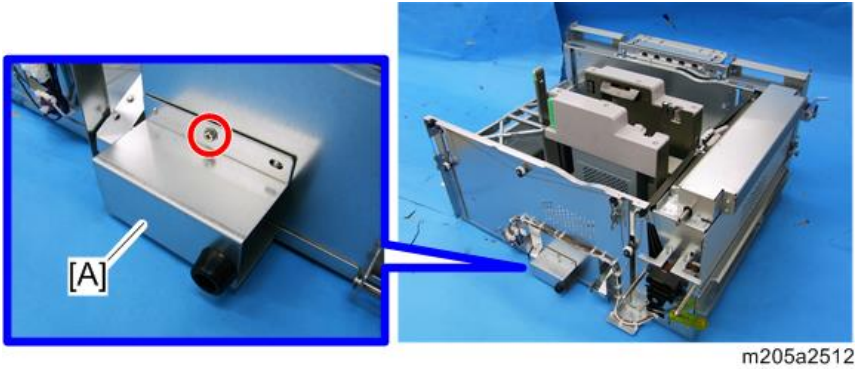


3. Close the side fence [A].



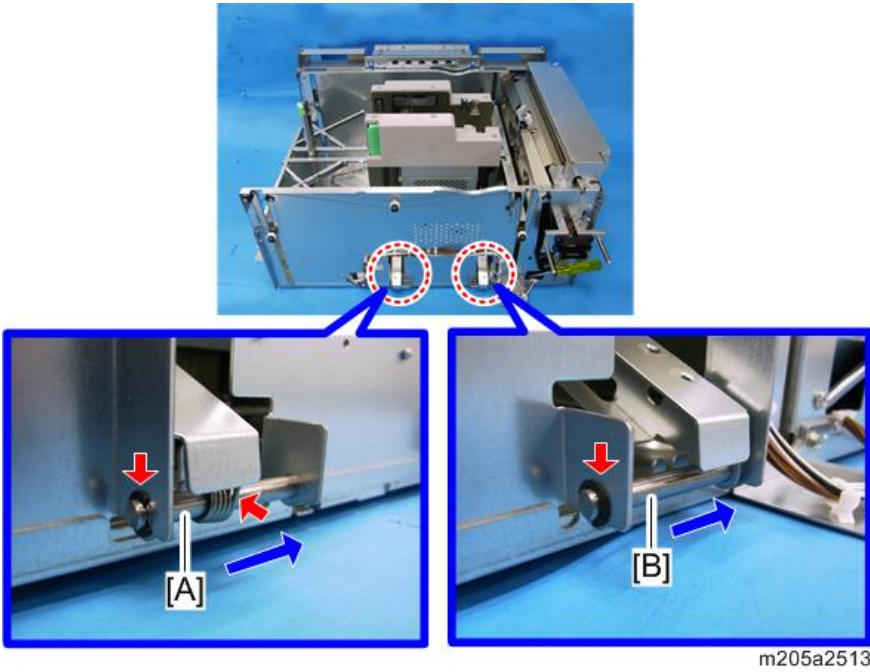
m205a2502

4. Remove the rear bracket [A] of the paper tray 2. (⚙️ ×1)



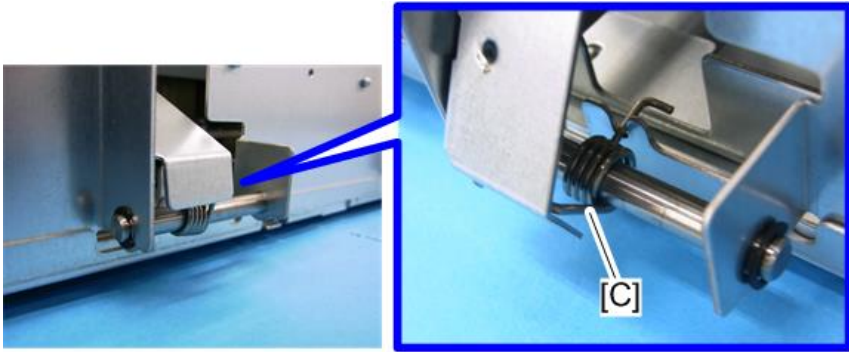
4
5. Remove the side fence shafts [A] and [B] at the rear. (⚙️ ×2, 🌀 ×1)

Pull out the shaft in the direction of the arrow. A spring is attached to the shaft [A].



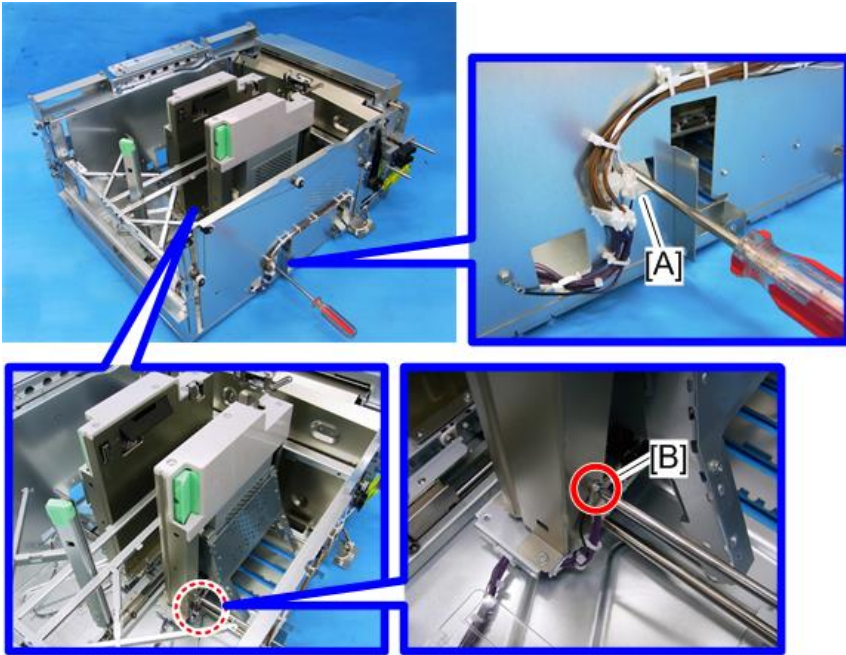
⚠️ Note

- When re-installing the shaft [A], set the spring [C] as shown below.



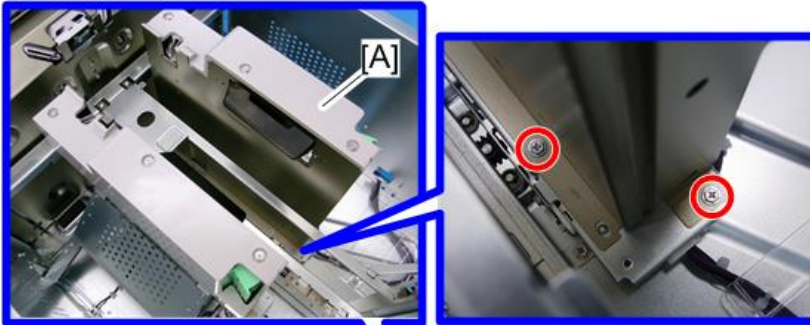
m205a2531

6. Insert a driver from the cut end [A] of the frame and remove the ground screw [B]. (🔩×1)



m205a2514

7. Remove the two fixing screws of the rear side fence (tray 2) [A]. (🔩 ×2)



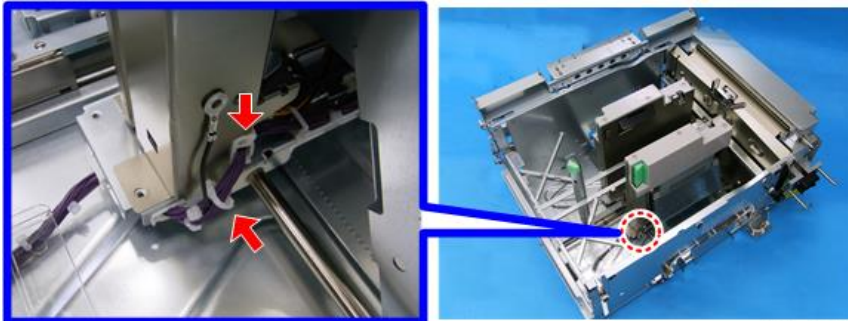
m205a2515

8. Remove the two fixing screws of the rear side fence (tray 2) [A]. (🔩 ×2)



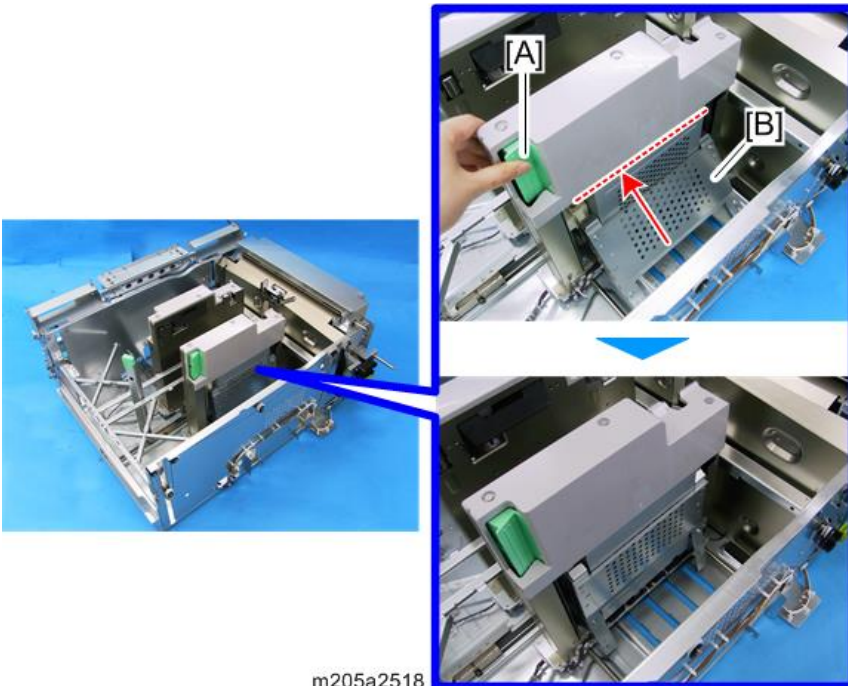
m205a2516

9. Open two clamps of the rear side fence (tray 2). (🔧×2)



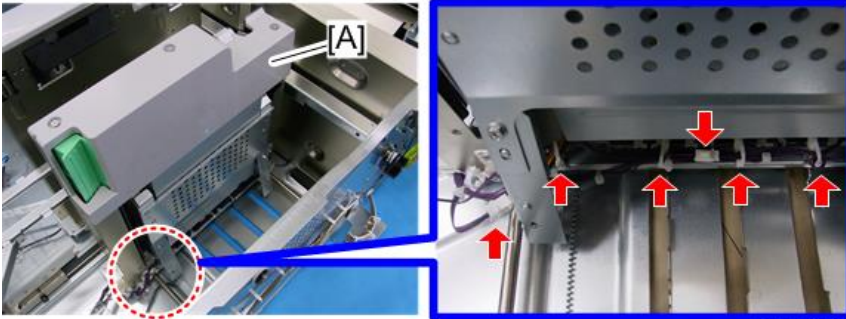
m205a2517

10. Pull the slide fence [B] up while pressing the lock lever [A].



m205a2518

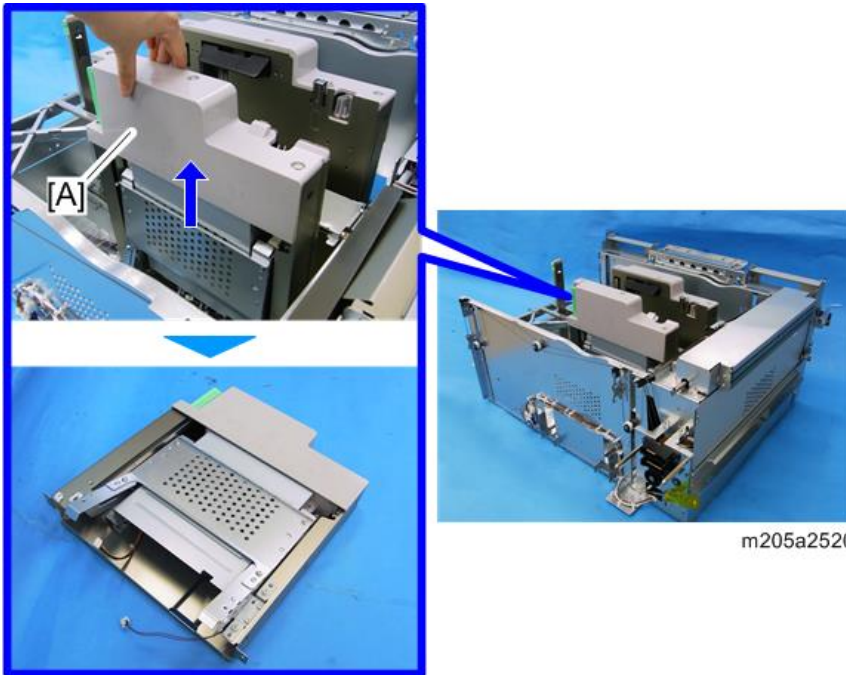
11. Disconnect two connectors and open four clamps located under the slide fence [A]. (🔧
x2, 🛠️x4)



m205a2519

4

12. Lift the rear side fence (tray 2) [A] and remove it.

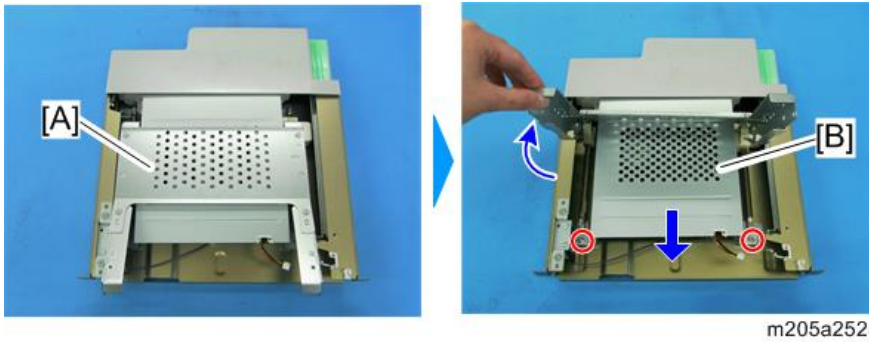


m205a2520

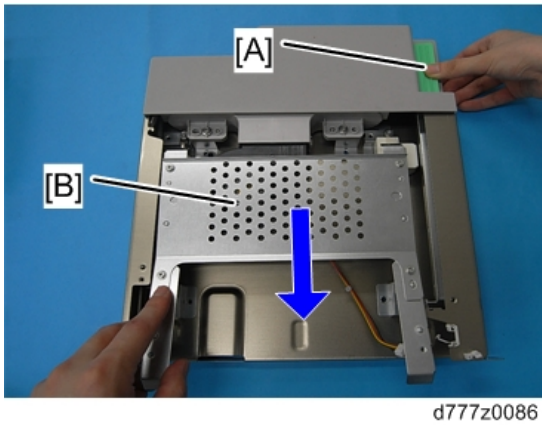
Separation Front Fan (Tray 2)

1. Front side fence (tray 2) (page 1010)

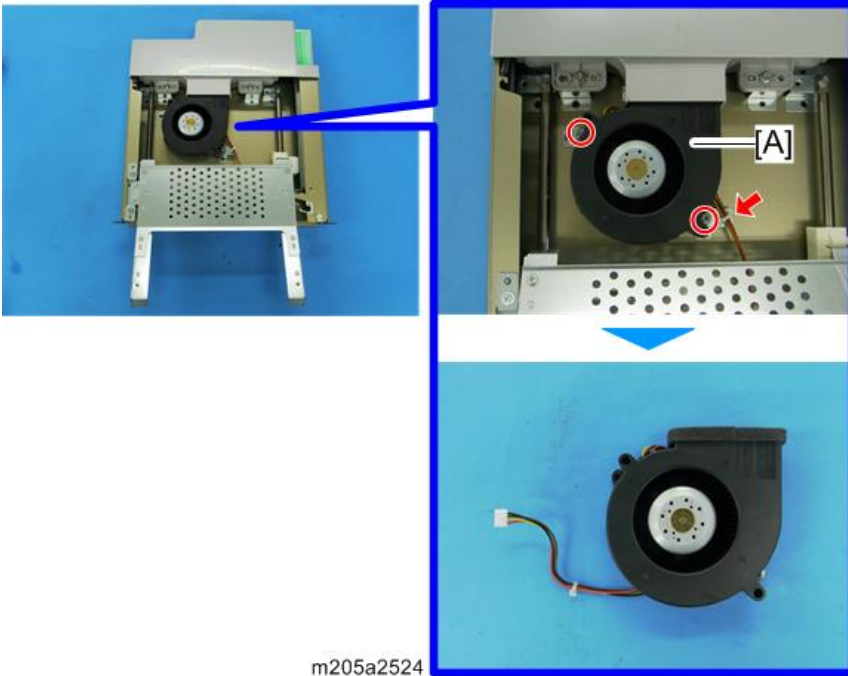
2. Lift the slide fence [A], and then remove the fan cover [B]. (⊗×2)



3. Withdraw the slide fence [B] in the direction of the arrow while pressing the lock lever [A].



4. Separation front fan (tray 2) [A] (⊙×2, ⊞×1)

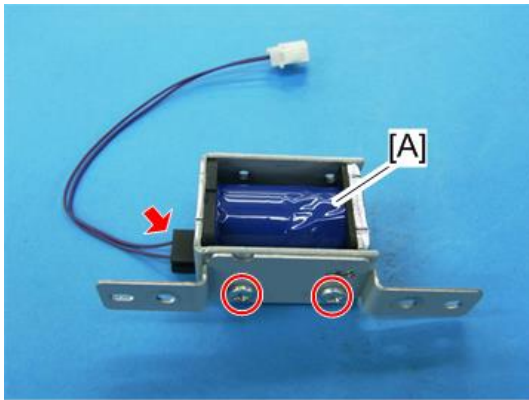


Separate Solenoid Front (Tray 2)

- 1. Front side fence (tray 2) (page 1010)
- 2. Bracket [A] (⊙×2)



3. Separate solenoid front (tray 2) [A] (⚙️ ×2, 📦 ×1)

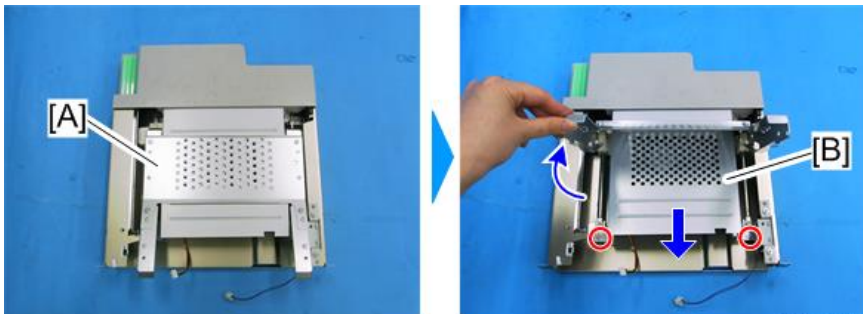


m205a2526

4

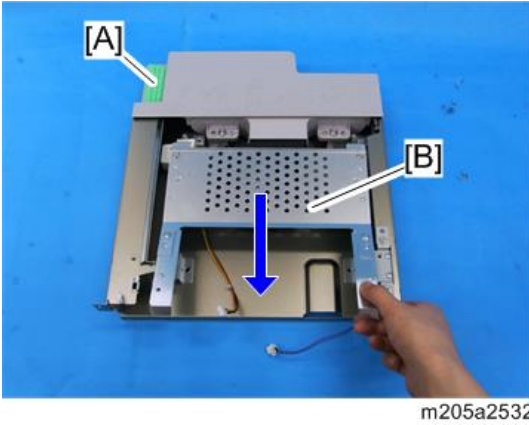
Separation Rear Fan (Tray 2)

1. Rear side fence (tray 2) (page 1018)
2. Lift the slide fence [A], and then remove the fan cover [B]. (⚙️ ×2)



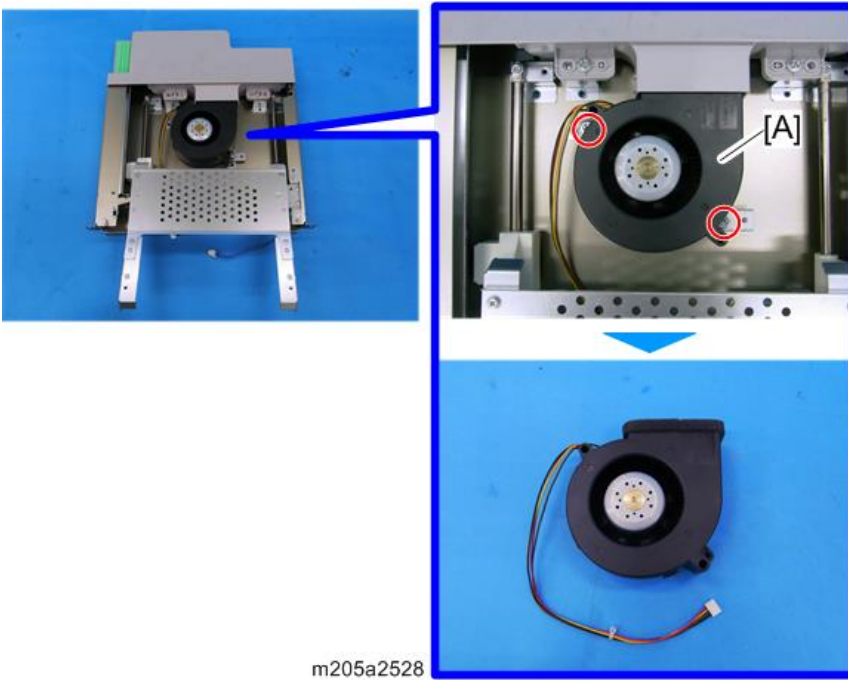
m205a2527

3. Withdraw the slide fence [B] in the direction of the arrow while pressing the lock lever [A].



4

4. Separation rear fan (tray 2) [A] (👉x2)



Separate Solenoid Rear (Tray 2)

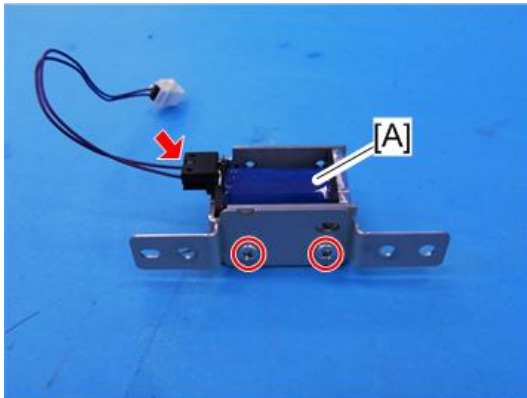
1. Rear side fence (tray 2) (page 1018)

2. Bracket [A] (🔩×2)



m205a2529

3. Separate solenoid rear (tray 2) [A] (🔩×2, 📦×1)

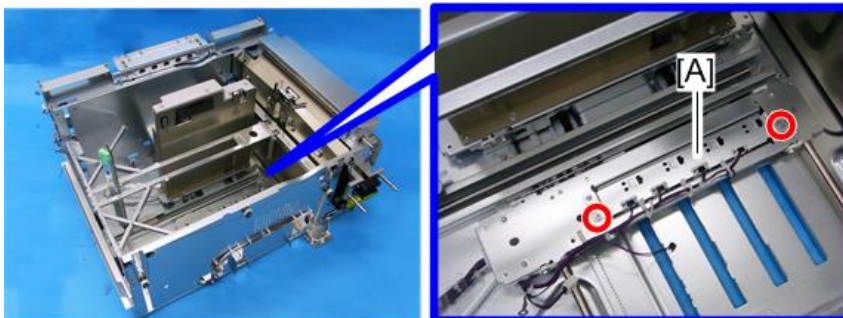


m205a2530

Paper Size Sensor 1-4 (Tray 2)

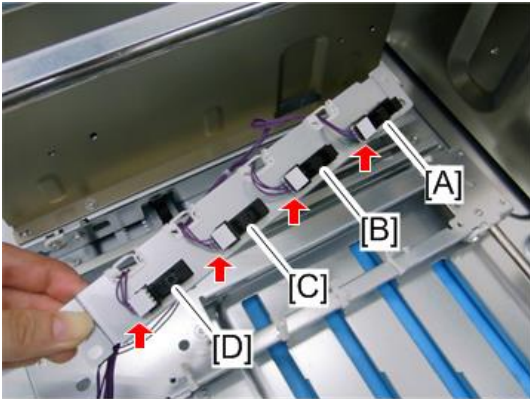
1. Rear side fence (tray 2) (page 1018)

2. Sensor bracket [A] (🔩×2)



m205a2521

3. Paper size sensor 1-4 (tray 2) (📦 ×1 each)

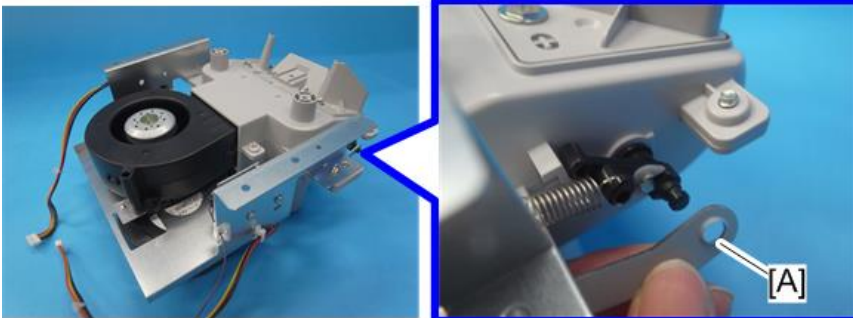


m205a2522

- [A] Paper size sensor 1 (tray 2)
- [B] Paper size sensor 2 (tray 2)
- [C] Paper size sensor 3 (tray 2)
- [D] Paper size sensor 4 (tray 2)

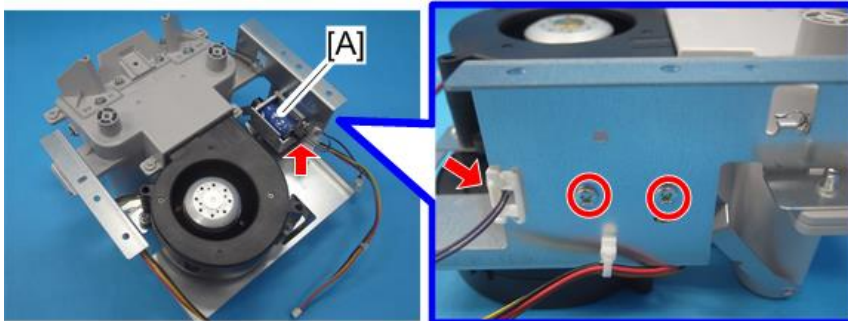
Float Solenoid (Tray 2)

1. Float/separation fan duct (tray 2) (page 1007)
2. Metal bracket [A]



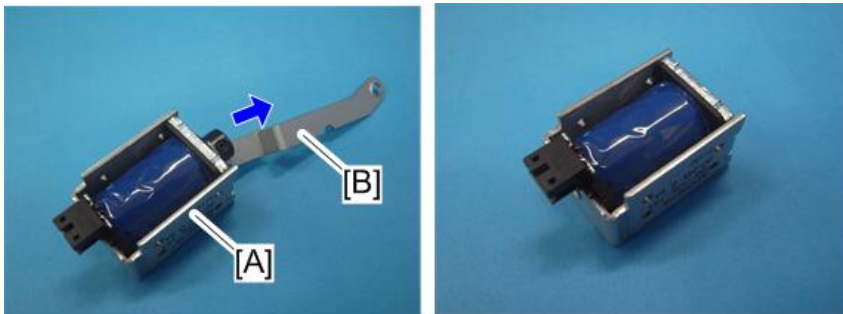
m205a2172

3. Remove the float solenoid (tray 2) [A] with the metal bracket. (⚙️ ×2, 📦 ×1, 🛠️ ×1)



m205a2173

4. Remove the metal bracket [B] from the float solenoid (tray 2) [A].



m205a2174

Paper Feed Motor (Tray 2)

1. Rear lower cover (fusing section) (page 701)
2. SDB bracket [A] (⚙️ ×4, 🛠️ ×3, 📦 ×ALL)



m205a2371

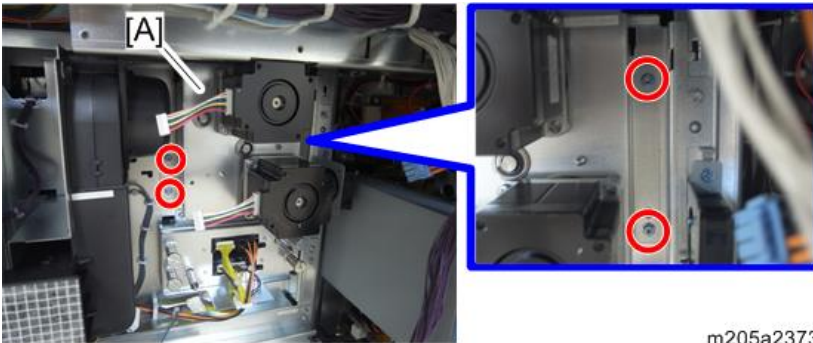
3. Disconnect the connector of the paper feed/ transport motor (tray 2). (🔌 ×2)



m205a2372

4

4. Motor bracket [A] (🔩 ×4)



m205a2373

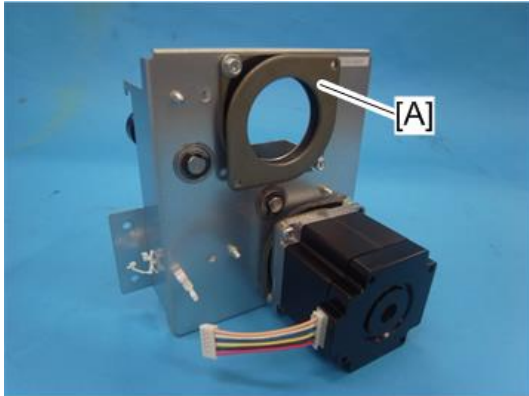
5. Remove the paper feed motor (tray 2) [A] from motor bracket. (🔩 ×2, 📦 ×1, 🏷️ ×1)



m205a2258

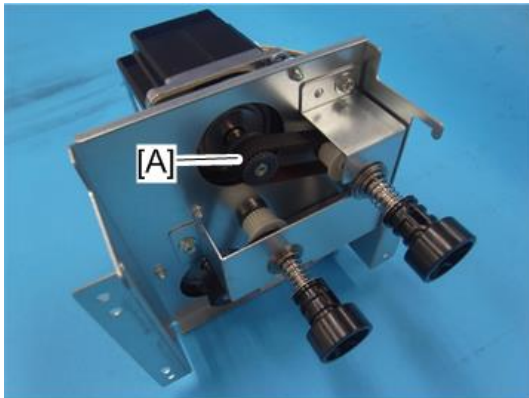
★ Important

- Do not remove the damper [A] located between the paper feed motor (tray 2) and the bracket. This damper is adjusted at the factory and cannot be adjusted in the field.



m205a2259

- When installing the paper feed motor (tray 2), confirm that the motor is set to the timing belt [A] correctly.



m205a2260

Paper Transport Motor (Tray 2)

1. Rear lower cover (fusing section) (page 701)
2. SDB bracket [A] (⊙x4, ⊙x3, ⊞xALL)



m205a2371

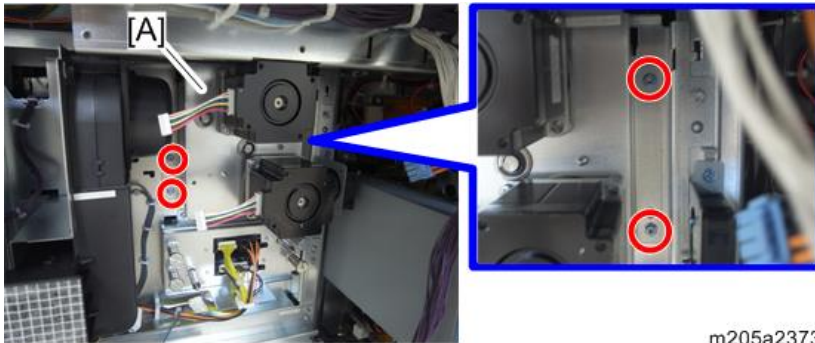
3. Disconnect the connector of the paper feed/ transport motor (tray 2). (🔌 ×2)



m205a2372

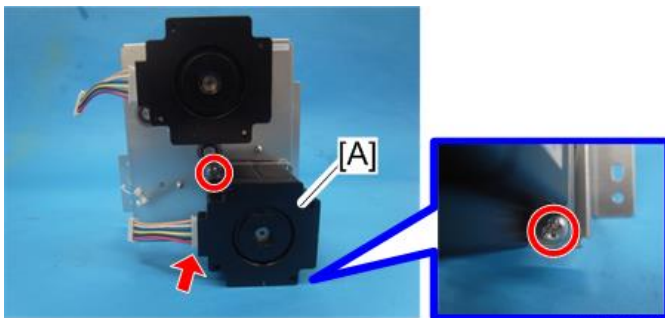
4

4. Motor bracket [A] (🔩 ×4)



m205a2373

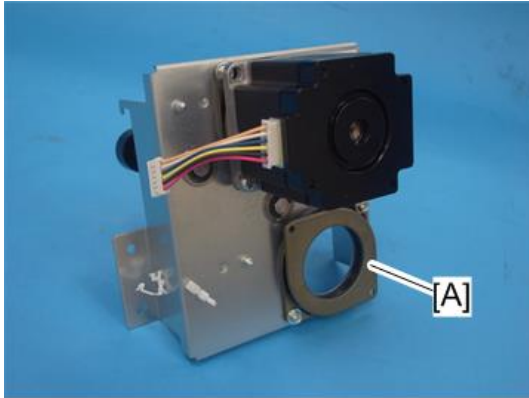
5. Remove the paper feed motor (tray 2) [A] from motor bracket. (🔩 ×2, 📦 ×1, 🏠 ×1)



m205a2261

★ Important

- Do not remove the damper [A] located between the paper feed motor (tray 2) and the bracket. This damper is adjusted at the factory and cannot be adjusted in the field.



m205a2262

- When installing the paper feed motor (tray 2), confirm that the motor is set to the timing belt [A] correctly.



m205a2263

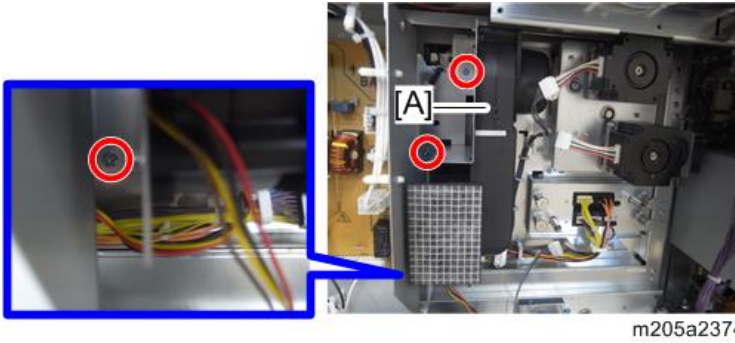
Suction Fan 1, 2 (Tray 2)

1. Rear lower cover (fusing section) (page 701)
2. SDB bracket [A] (⊙×4, ⊙×3, ⊞×ALL)



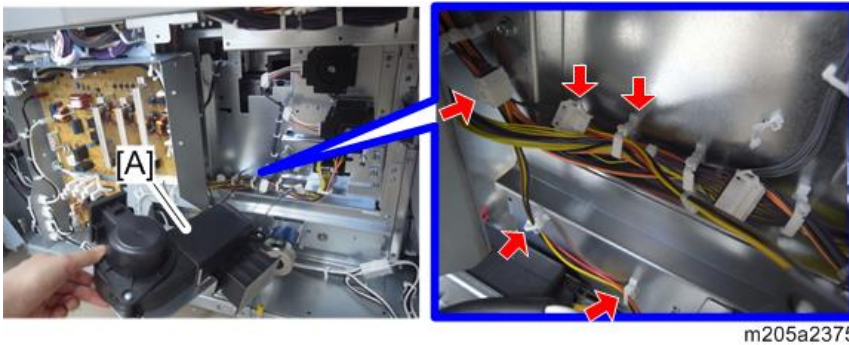
m205a2371

3. Suction fan duct (tray 2) [A] (⚙️×3)

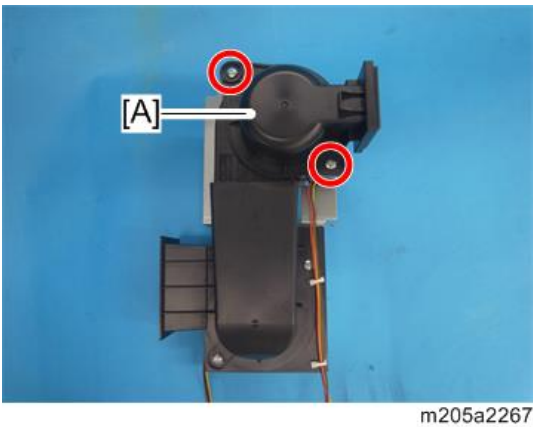


4. Note

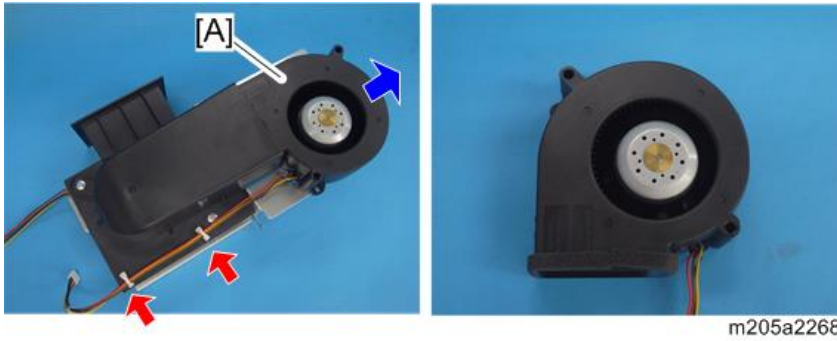
- When removing suction fan duct (tray 2) [A], free the lower three clamps and two connectors. (⚙️×3, 📦×2)



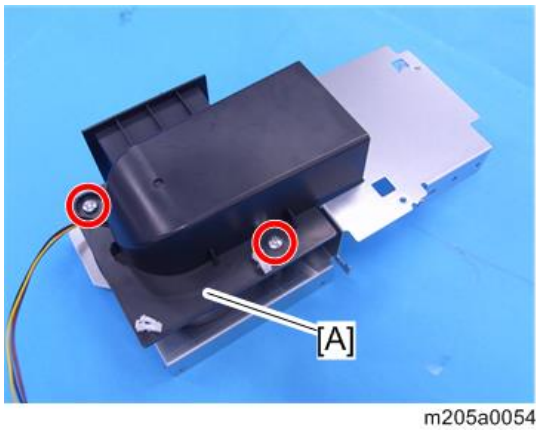
4. Remove the upper part of suction fan duct (tray 2) [A]. (⚙️×2)



5. Suction fan 1 (tray 2) [A] (🔩×2)



6. Remove the fixing screws of lower part of suction fan duct (tray 2) [A]. (🔩×2)



7. Suction fan 2 (tray 2) [A]



Tray Lift Motor (Tray 2)

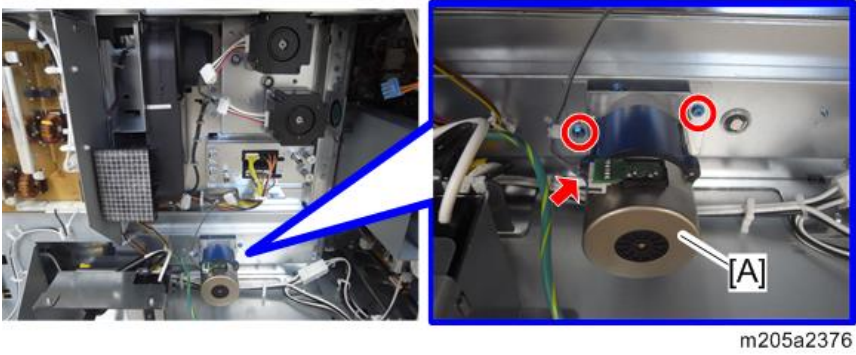
1. Rear lower cover (fusing section) (page 701)

2. SDB bracket [A] (⚙️ x4, 🛠️ x3, 📦 xALL)

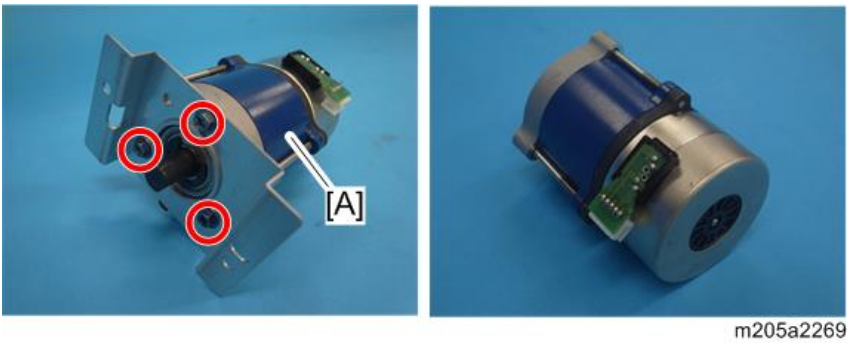


4

3. Motor bracket [A] (⚙️ x2, 📦 x1)



4. Tray lift motor (tray 2) [A] (⚙️ x3)



Paper Tray Heater (Tray 2)

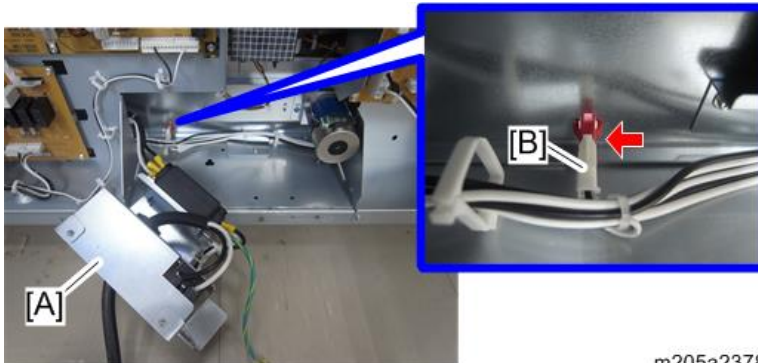
1. Rear lower cover (fusing section) (page 701)

2. Remove two fixing screws and a ground screw of the power switch bracket [A]. (🔧×3)



m205a2377

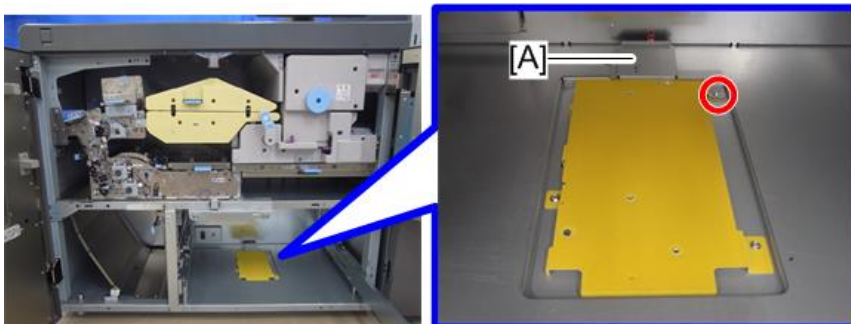
3. Remove the power switch bracket [A] as shown below, and then disconnect the connector [B] of the paper tray heater (tray 2). (🔧×1)



m205a2378

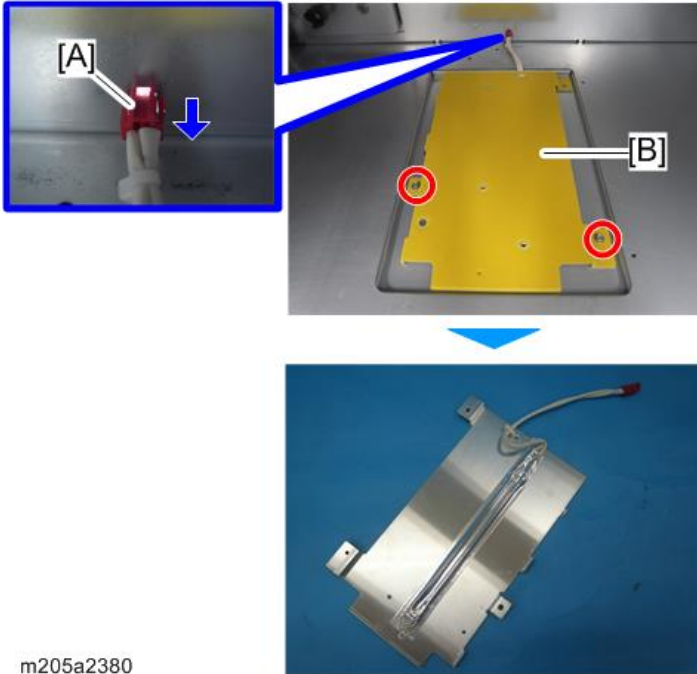
4. Paper tray 2 (page 997)

5. Paper tray heater protection bracket [A] (🔧×1)



m205a2379

6. Pull the connector [A] out forwards and remove the paper tray heater (tray 2) [B]. (⚙️ ×2)

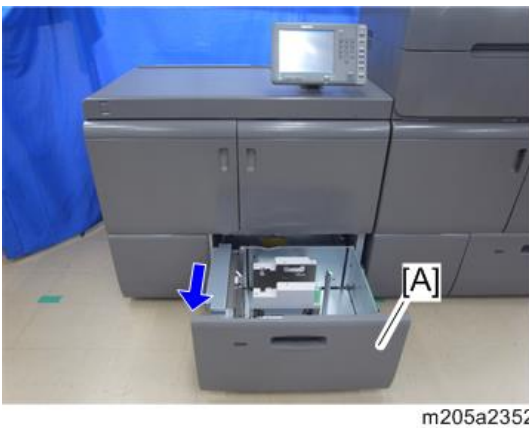


Note

- The paper tray heater (tray 2) is not operated by the main power switch and AC power switch, but is always ON when the power cord is plugged in.

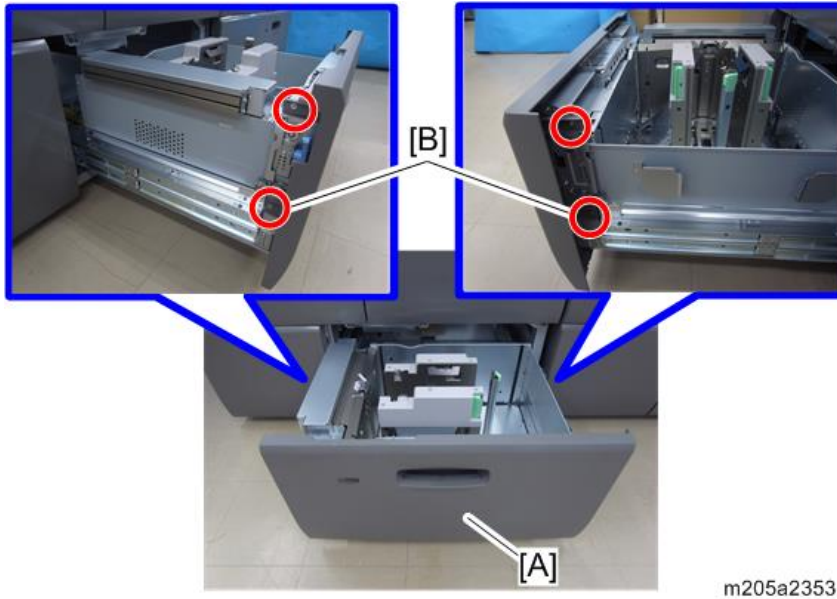
LED 1, 2 (Tray 2)

1. Pull out the paper tray 2 [A].

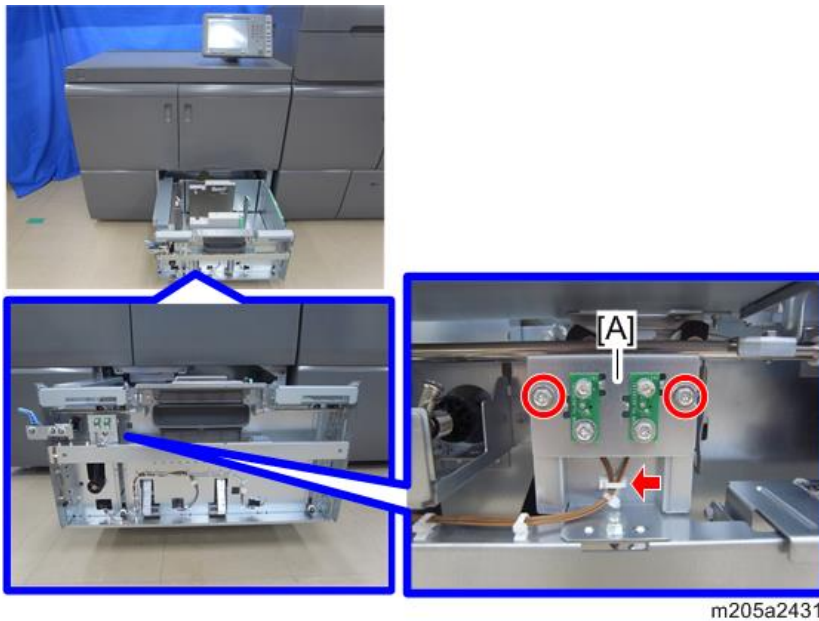


2. Pull the front cover [A] of the tray to the front, and then remove it. (🔧×2, 🛠️×2)

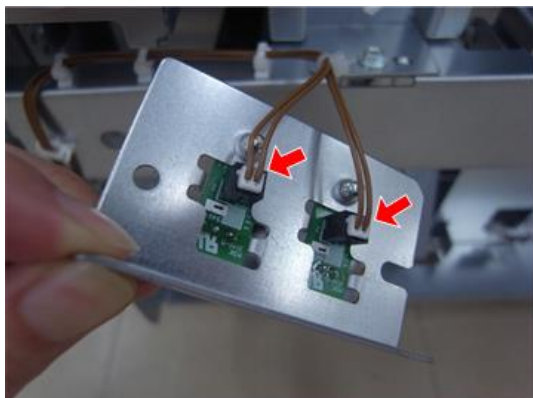
- The lower screws [B] are shoulder screws.



3. Sensor bracket [A] (🔧×2, 🛠️×1)



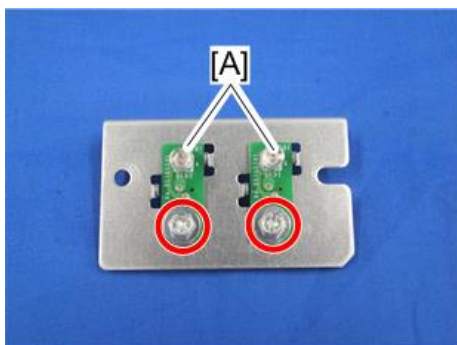
4. Turn over the sensor bracket and disconnect the connectors. (🔧 ×2)



m205a2432

4

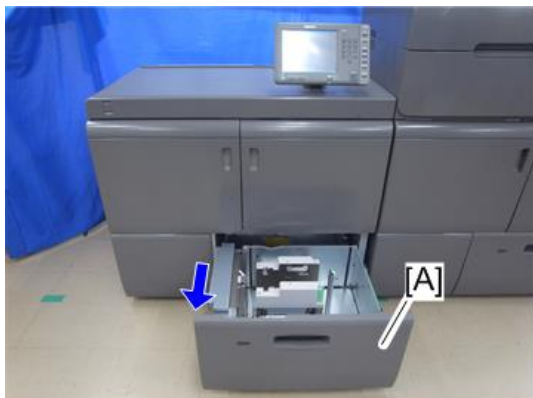
5. LED 1, 2 (tray 2) [A] (🔧 ×2)



m205a2433

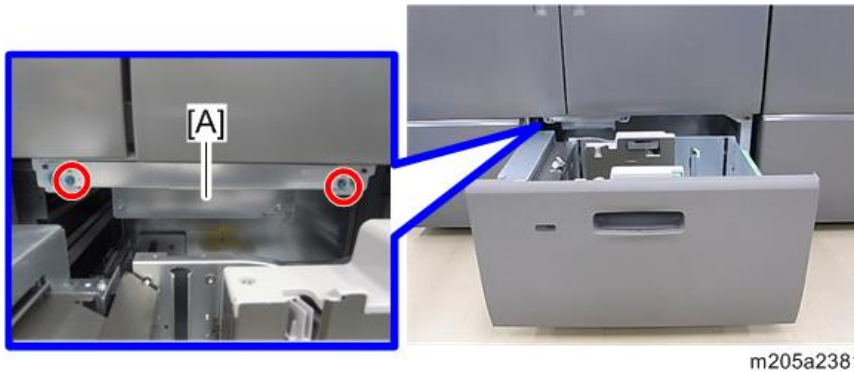
Paper Feed Belt Unit (Tray 2)

1. Pull out the paper tray 2 [A].



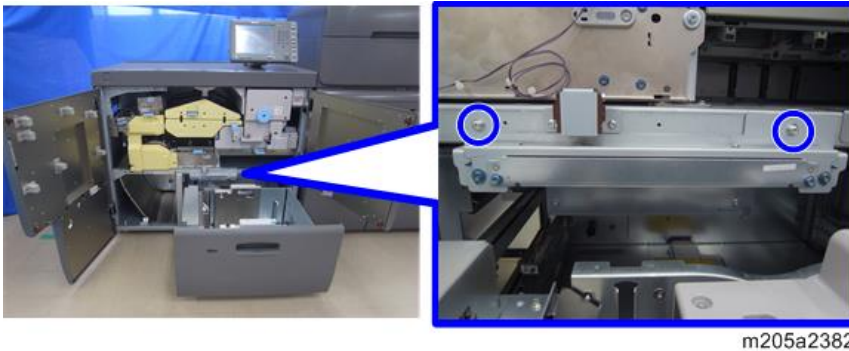
m205a2352

2. Remove the fixing screws of the paper feed belt unit (tray 2) [A]. (⌀ ×2)

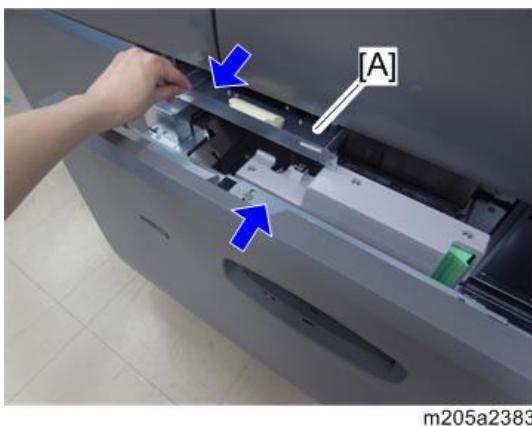


★ Important

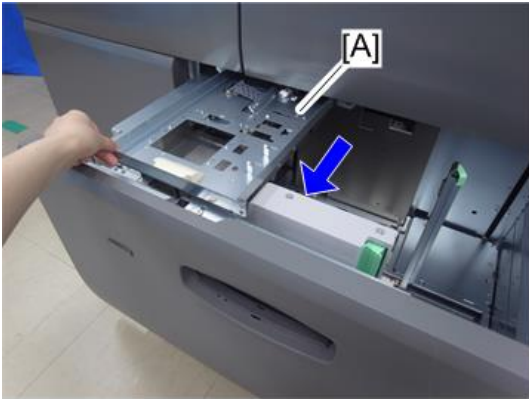
- Do not remove the two screws shown below. These two screws fix the position of the paper feed belt unit (tray 2) to fit the paper tray 2. Removing these screws could cause the paper feed belt unit (tray 2) to displace its position and cause problems during paper feeding.



3. Hold the grip of paper feed belt unit (tray 2) [A] and close the tray halfway.



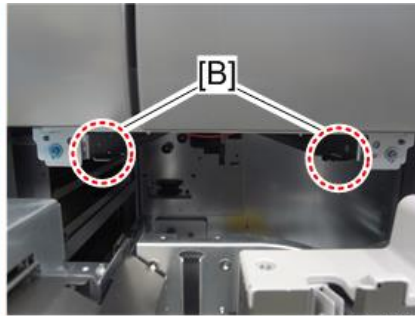
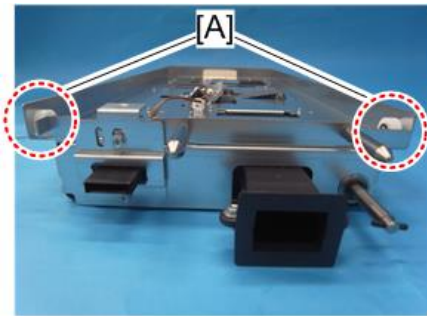
4. Pull out the paper feed belt unit (tray 2) [A] with the tray.



m205a2384

↓ Note

- Pull the paper feed belt unit (tray 2) horizontally to avoid it being caught in the side fence and be damaged.
- When re-installing the paper feed belt unit (tray 2), fit the left and right guides [A] to the rail [B] of the paper tray 2 side to avoid damaging the paper feed belt unit (tray 2). Then lift the paper feed belt unit (tray 2) a little to install it.

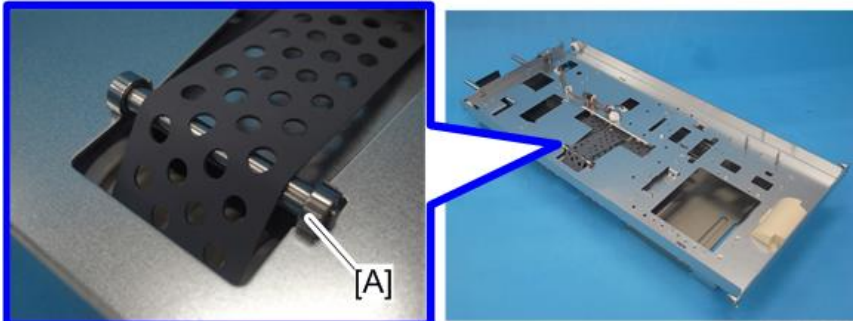


m205a2385

Paper Feed Belt (Tray 2)

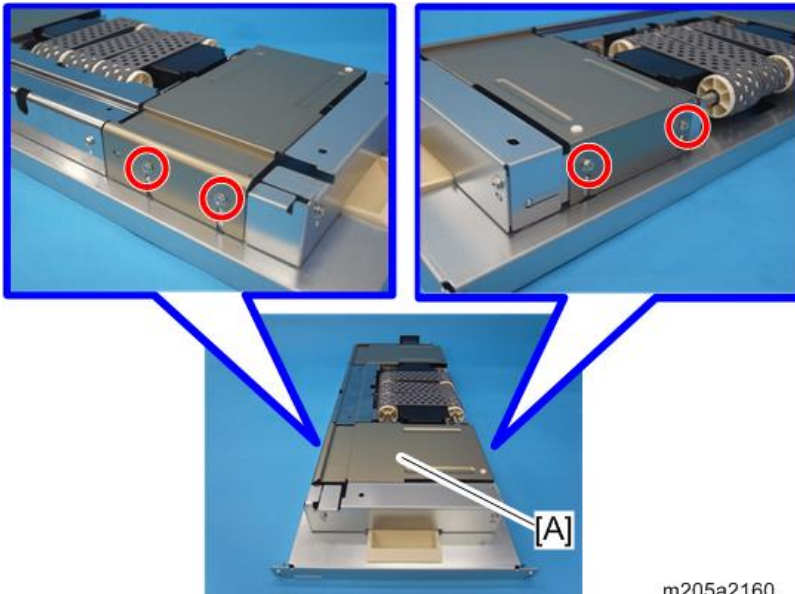
1. Paper feed belt unit (tray 2) (page 1042)

2. Shaft [A]



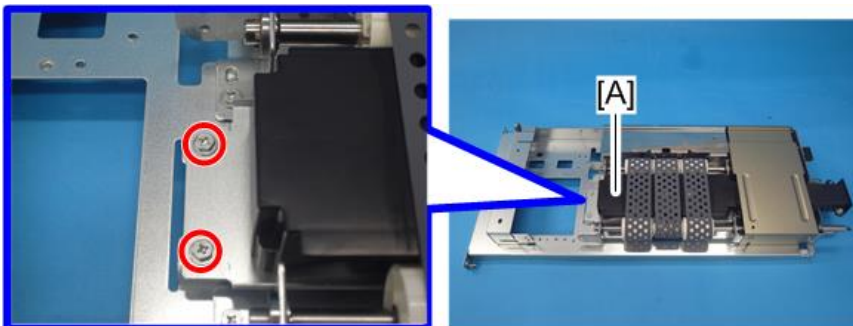
m205a2159

3. Guide plate [A] (⚙️×4)



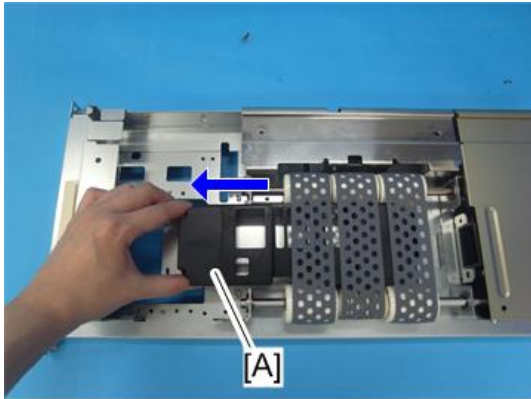
m205a2160

4. Remove the fixing screws of the chamber [A]. (⚙️×2)



m205a2161

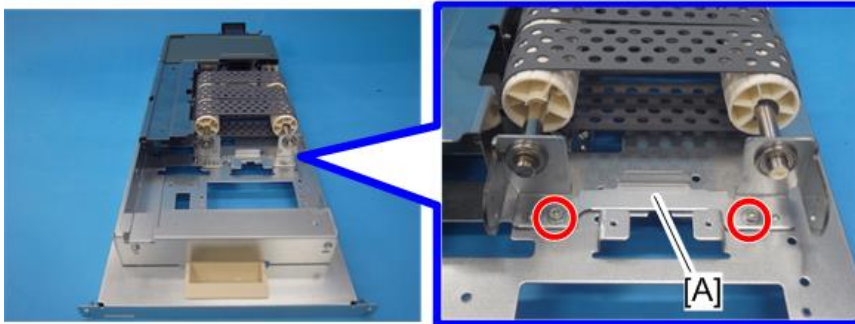
5. Pull the chamber [A] out.



m205a2162

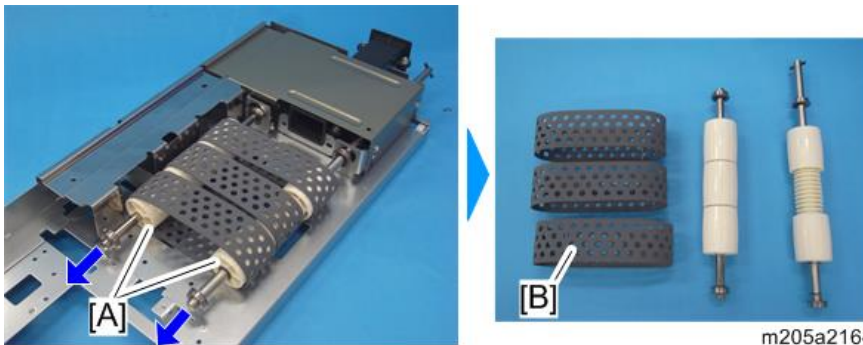
4

6. Bracket [A] (⌀ ×2)



m205a2163

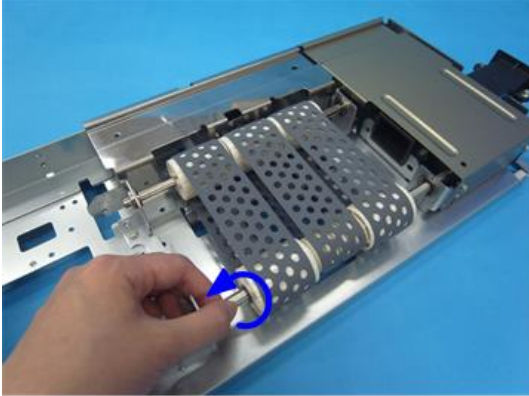
7. Remove belt shafts [A] and the paper feed belt (tray 2) [B].



m205a2164

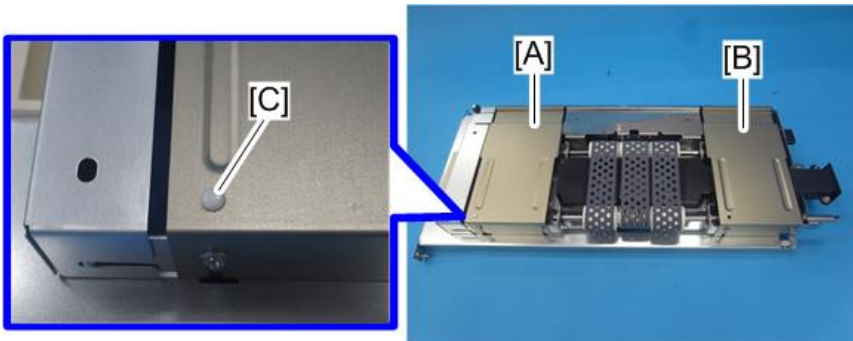
↓ Note

- When setting the paper feed belt (tray 2), rotate the shaft and fix the slackness before installing the chamber. After setting the paper feed belt (tray 2) is finished, rotate the shaft again and confirm that the belt is attached without slackness and is not abnormally heavy. Then put it back to the paper tray.



m205a2166

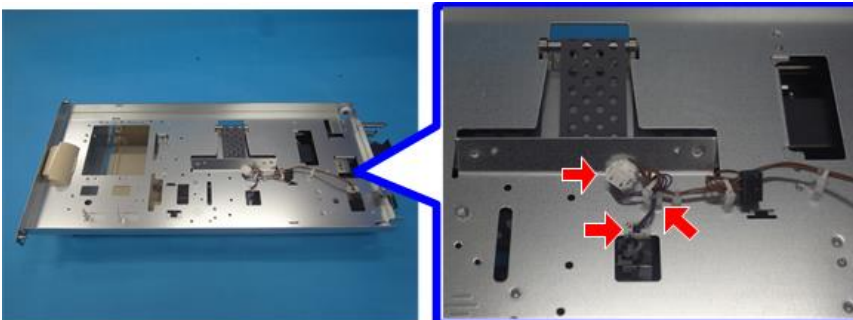
- Guide plates [A] and [B] are the same form. You can see a white plastic [C] in the guide plate in the front.



m205a2170

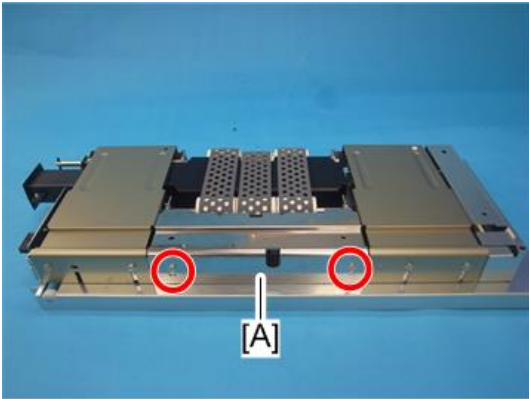
Paper End Sensor (Tray 2)

1. Paper feed belt unit (tray 2) (page 1042)
2. Open three clamps and disconnect a connector. (🔧×2, 📡×1)



m205a2167

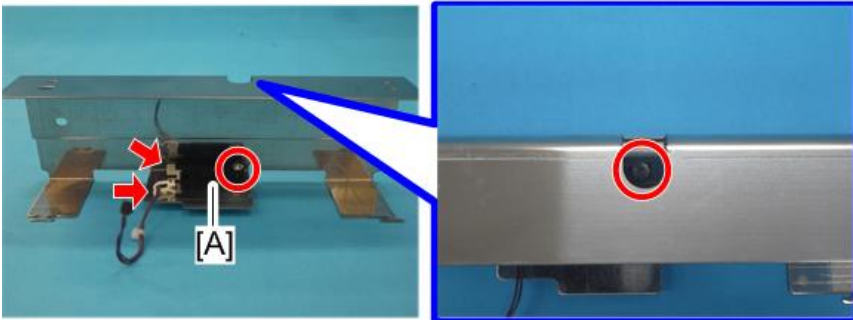
3. Remove the guide plate [A] on the center. (🔩×2)



m205a2168

4

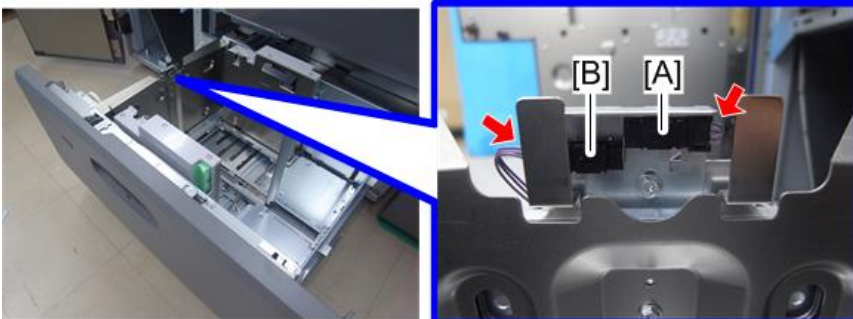
4. Paper end sensor (tray 2) [A] (🔩×2, 📦×1, 📦×1)



m205a2169

Upper Limit Sensor 1, 2 (Tray 2)

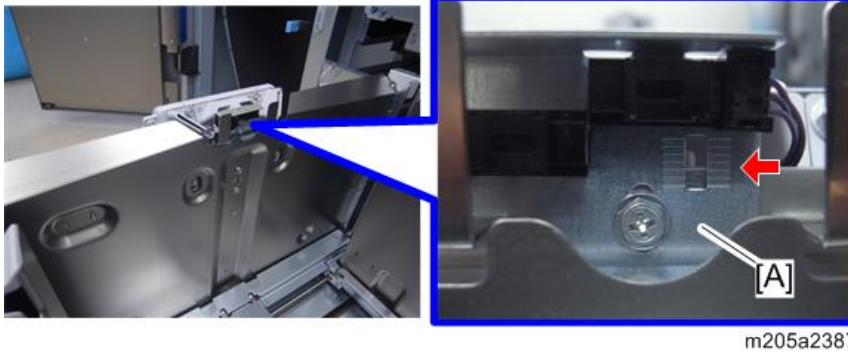
1. Float/separation fan duct (tray 2) (page 1007)
2. Upper limit sensor 1 (tray 2) [A] (📦×1)
3. Upper limit sensor 2 (tray 2) [B] (📦×1)



m205a2386

★ Important

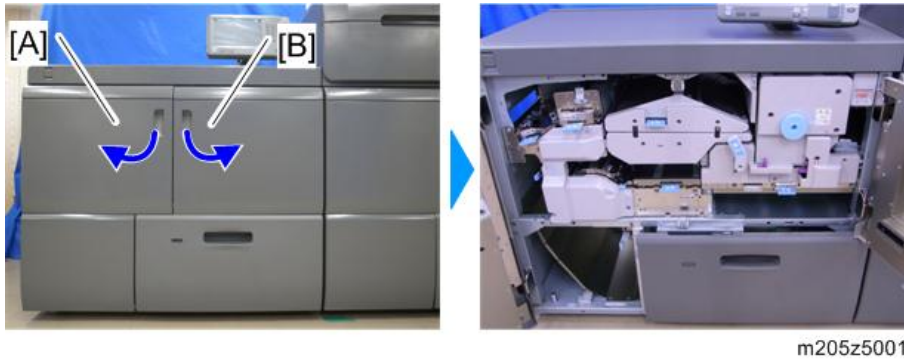
- The position of the upper limit sensor bracket [A] is adjusted at the factory. When it is removed, install it so that the mark is pointing to the same position on the scale.



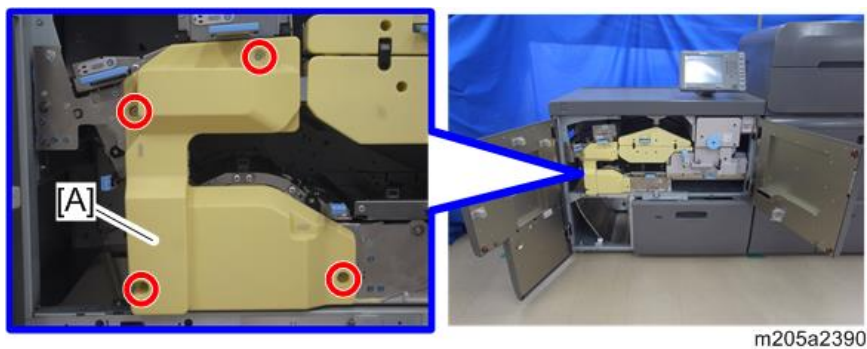
4

Vertical Transport Unit (Tray 2)

1. Open the front left door [A] and front right door [B] of the fusing section.



2. Remove the inner cover [A] of the paper exit unit. (Ⓢ ×4)

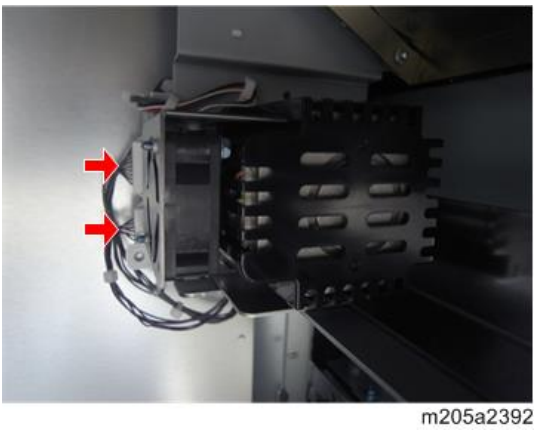


3. Sensor bracket [A] (🔧×1)

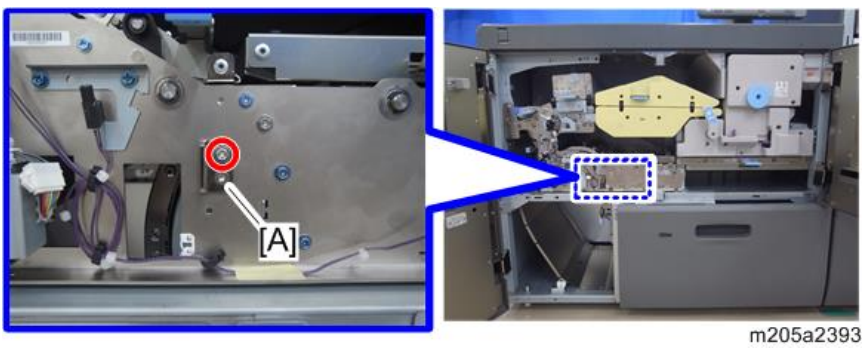


4

4. Disconnect two connectors. (🔧×2)



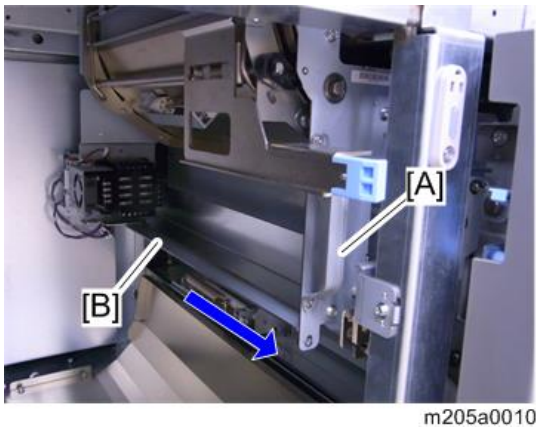
5. Bracket [A] (🔧×1)



6. Remove the fixing screw [B] of the vertical transport unit (tray 2) [A]. (⊙ ×1)

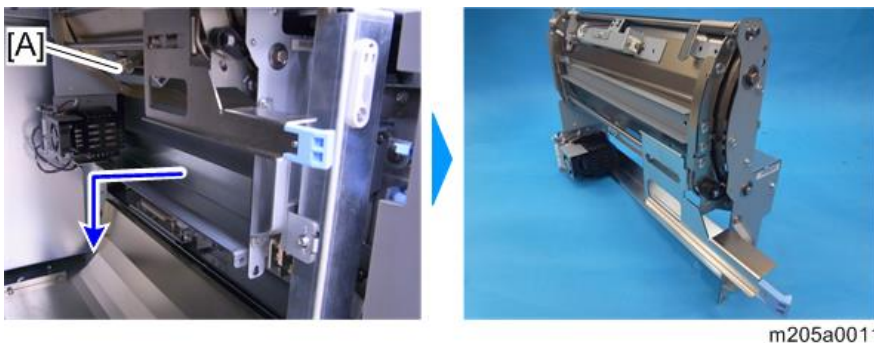


7. Hold the grip [A] and pull the vertical transport unit (tray 2) [B] forward.



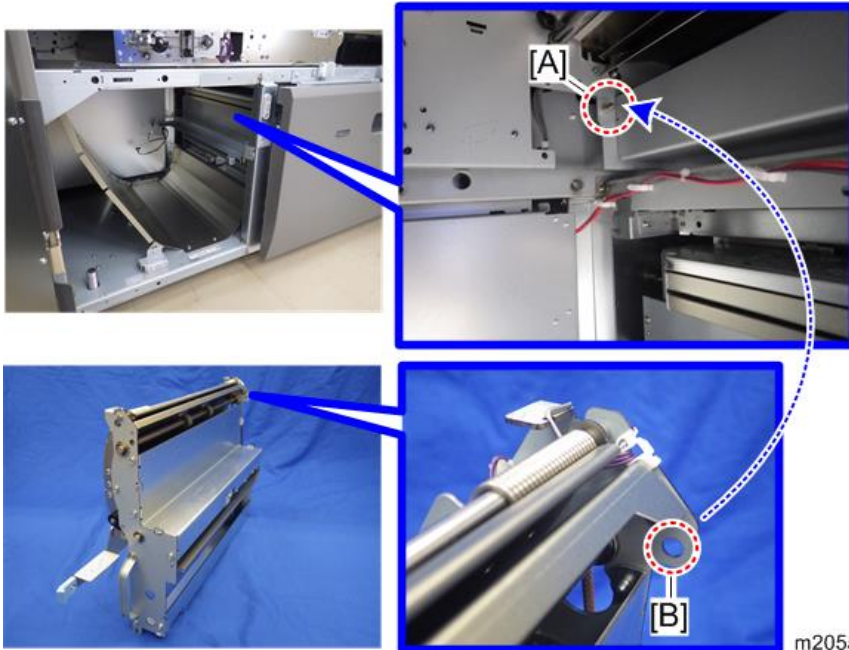
8. Remove vertical transport unit (tray 2) [A] from the main machine.

Pull out vertical transport unit (tray 2) horizontally to the left side, and then lower it downward.



↓ **Note**

- When installing vertical transport unit (tray 2), the positioning pin [A] of the main machine must be within the hole [B] in the vertical transport unit (tray 2).



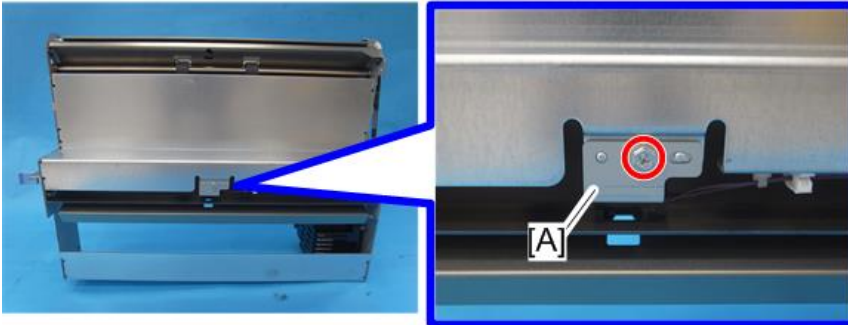
- Confirm the positioning pin of the main machine through the cutout [A] when installing the vertical transport unit (tray 2).



Vertical Transport Sensor 1 (Tray 2)

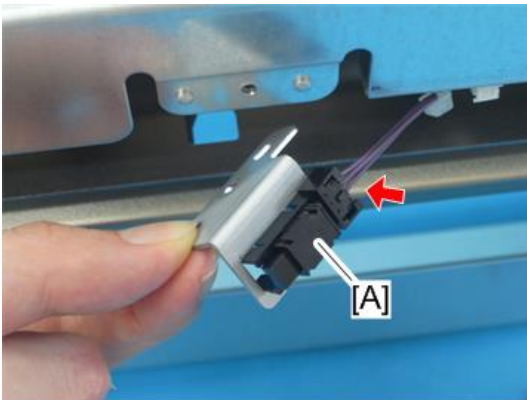
1. Vertical transport unit (tray 2) (page 1049)

2. Sensor bracket [A] (🔑 ×1)



m205a2181

3. Vertical transport sensor 1 (tray 2) [A] (📦 ×1)

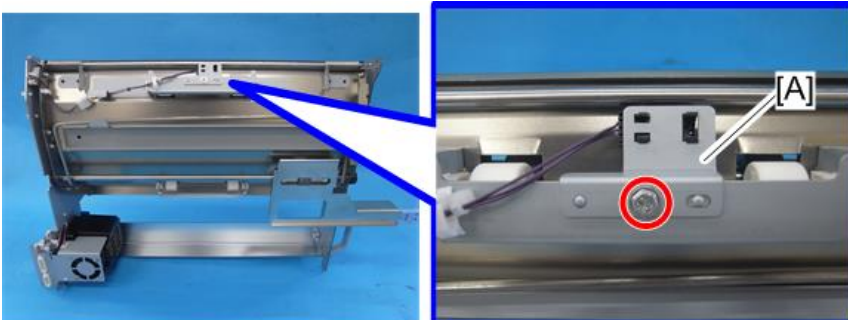


m205a2182

Vertical Transport Sensor 2 (Tray 2)

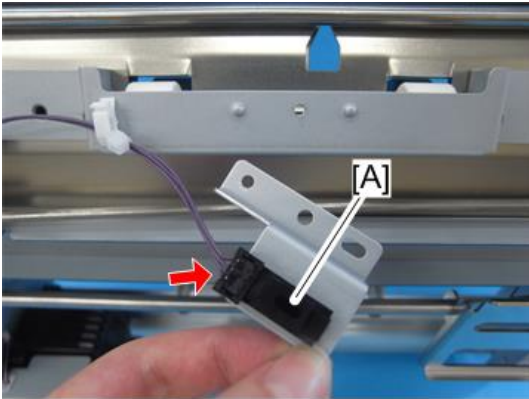
1. Vertical transport unit (tray 2) (page 1049)

2. Sensor bracket [A] (🔑 ×1)



m205a2183

3. Vertical transport sensor 2 (tray 2) [A] (📦 ×1)

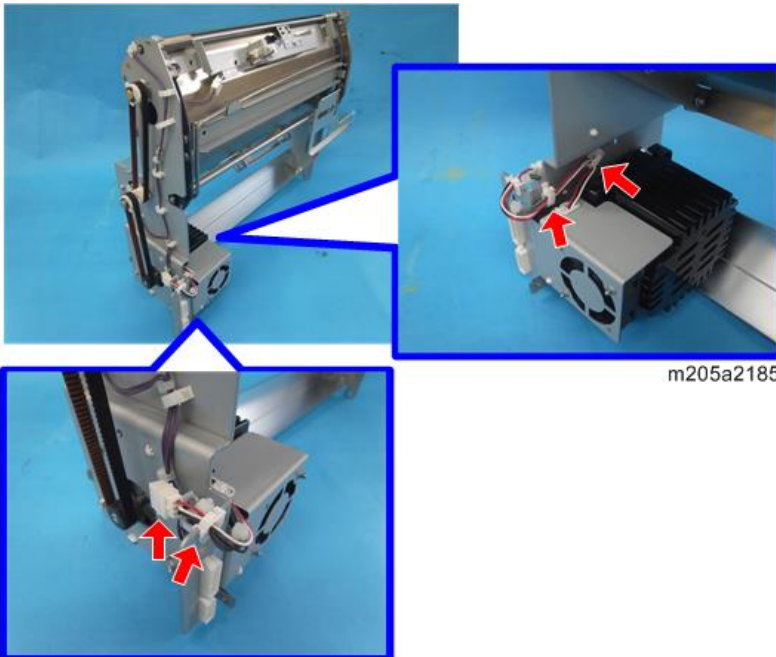


m205a2184

4

Vertical Transport Motor Fan (Tray 2)

1. Vertical transport unit (tray 2) (page 1049)
2. Open three clamps and disconnect a connector. (🔧×3, 📦 ×1)



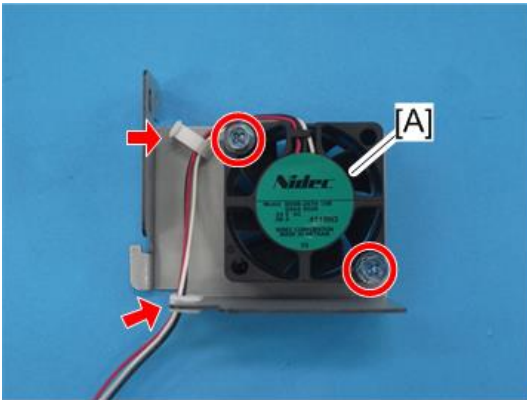
m205a2185

3. Cooling fan bracket [A] (⚙️×1)



m205a2280

4. Vertical transport motor fan (tray 2) [A] (⚙️×2, ⚙️×2)



m205a2281

Vertical Transport Motor (Tray 2)

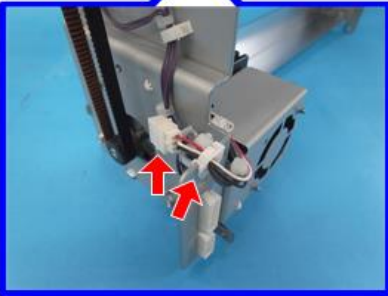
1. Vertical transport unit (tray 2) (page 1049)

2. Open three clamps and disconnect a connector. (🔧×3, 📡×1)

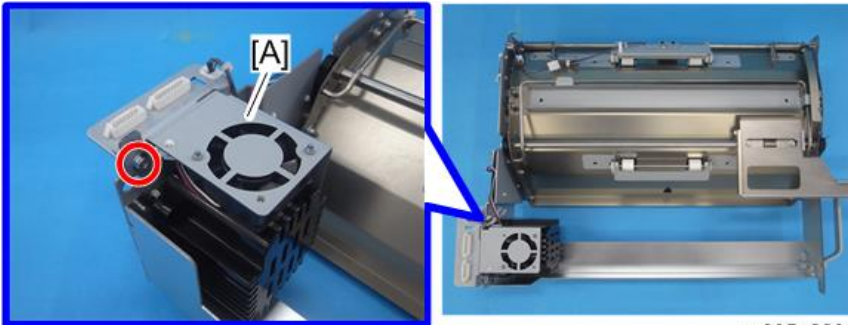


m205a2185

4

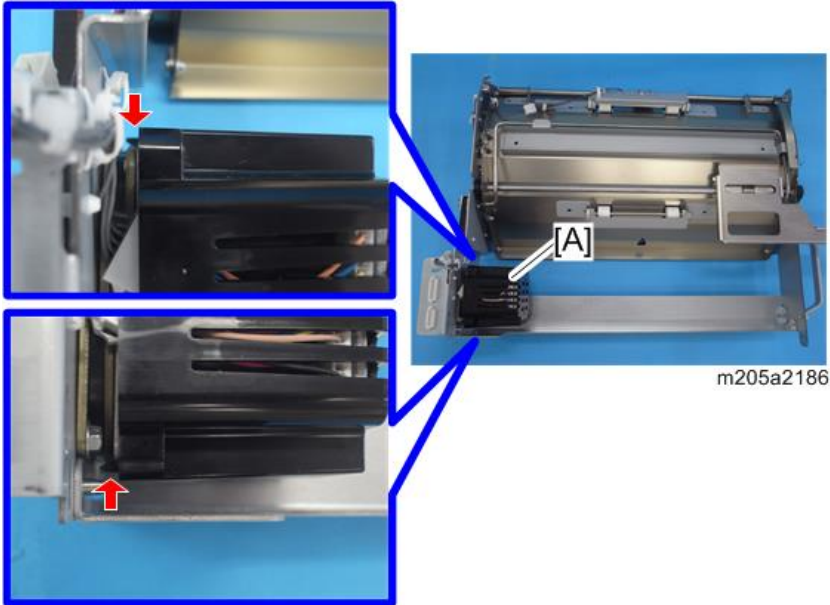


3. Cooling fan bracket [A] (🔧×1)



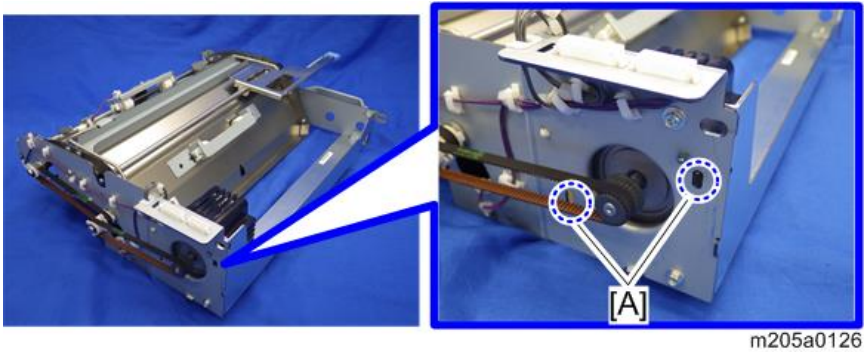
m205a2280

4. Motor cover [A] (pawl ×2)

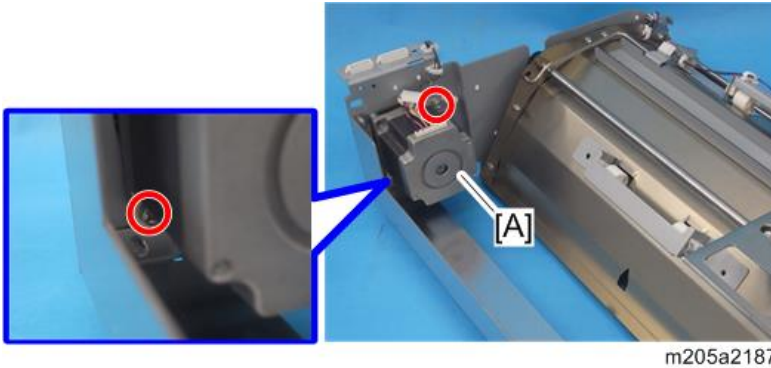


↓ Note

- Release the pawls of motor cover from the cutouts [A].



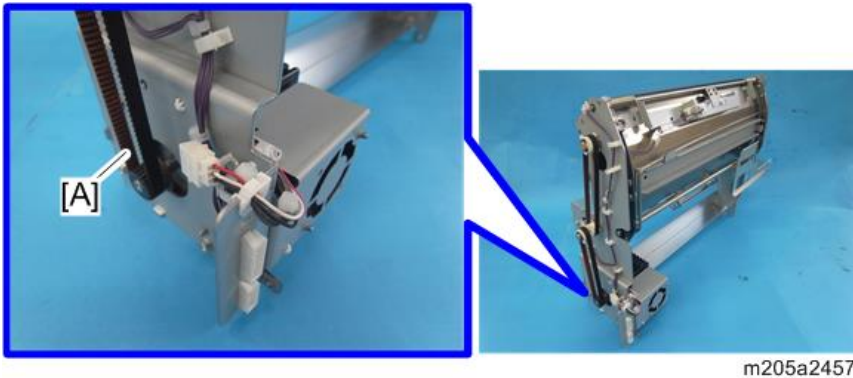
5. Vertical transport motor (tray 2) [A] (⚙️×2, ⚙️×1)



4

↓ Note

- When installing vertical transport motor (tray 2), confirm that the motor is set to the timing belt [A] correctly.

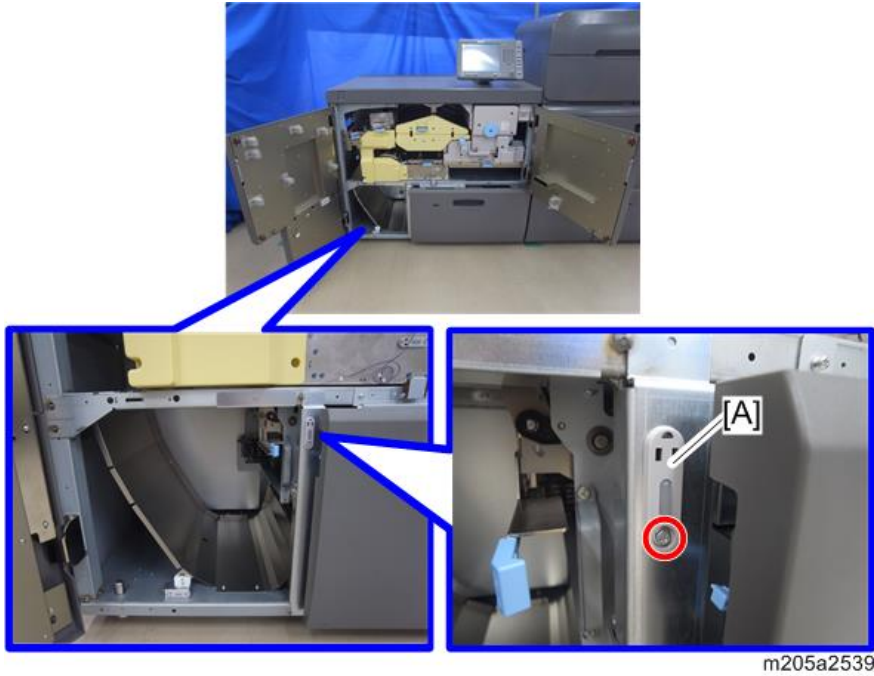


Vertical Transport LED (Tray 2)

1. Open the front left door [A] and front right door [B] of the fusing section.

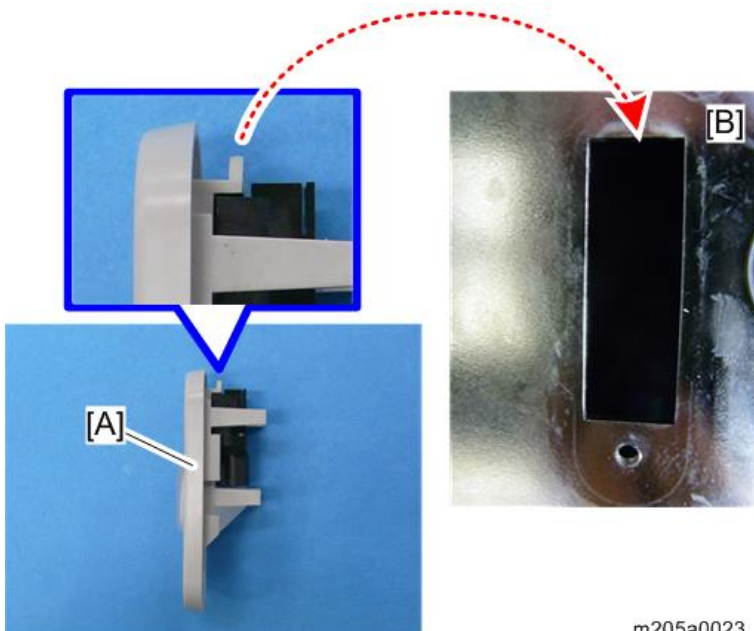


2. LED bracket [A] (🔧 ×1)

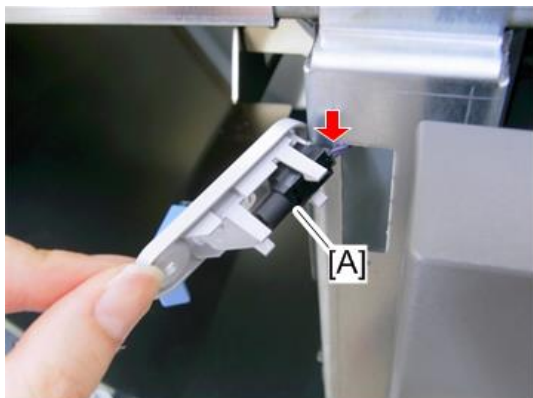


↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Vertical transport LED (tray 2) [A] (📦 ×1)



m205a2540

Registration Unit

After replacement, adjust the image position by executing (b) and (e) in page 1447 "Adjusting the Image Position on Side 1".

Drawer Unit

★ Important

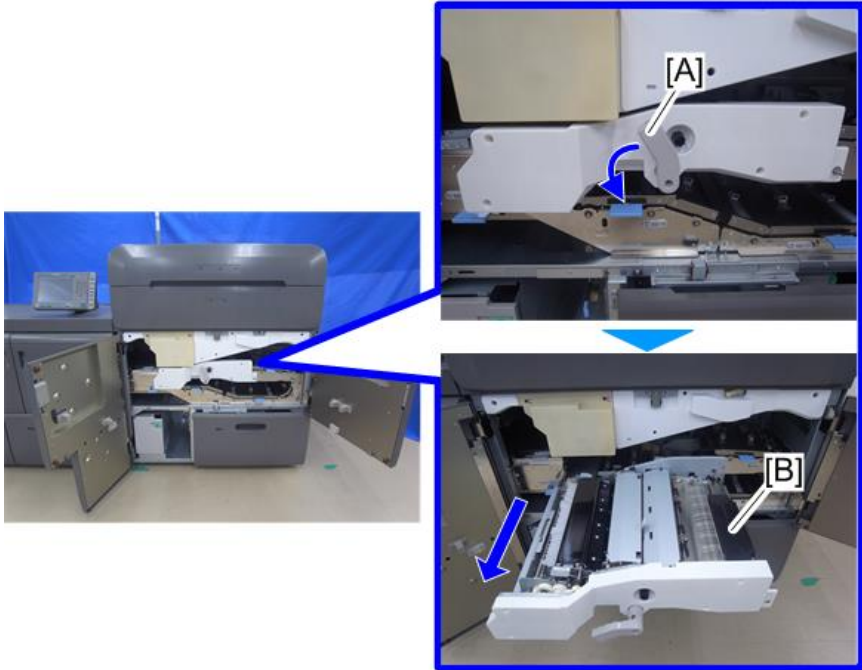
- Since drawer unit is heavy, two or more people are required to move it and be sure to handle it with care.

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

2. Rotate the handle [A] counter-clockwise, and then withdraw the drawer unit [B].



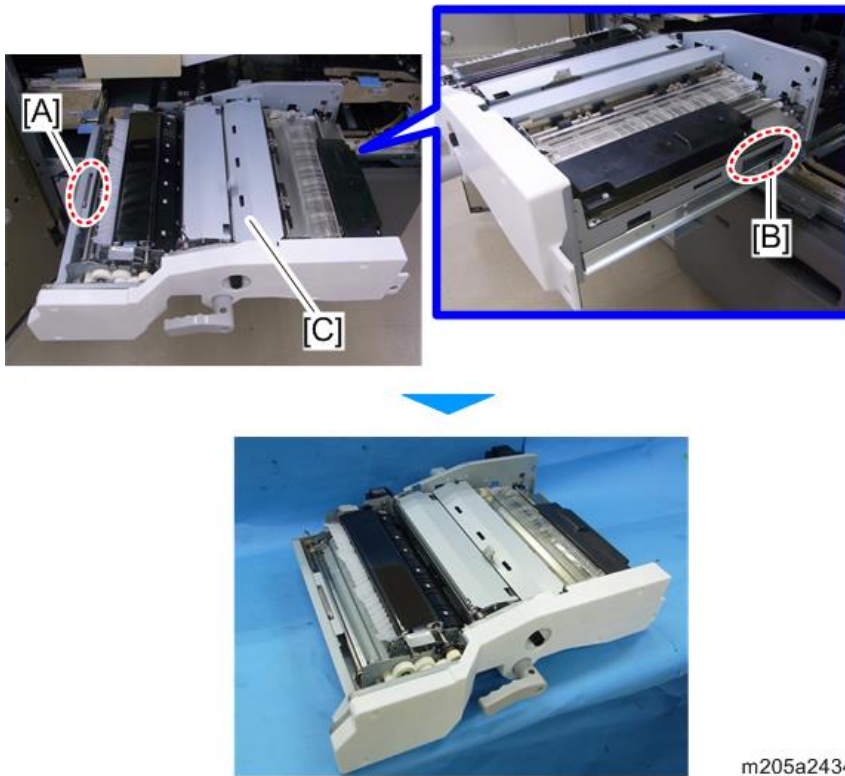
m205a2272

3. Remove the fixing screws (×2) on the side rail of drawer unit [A]. (⊙×2)



m205a2466

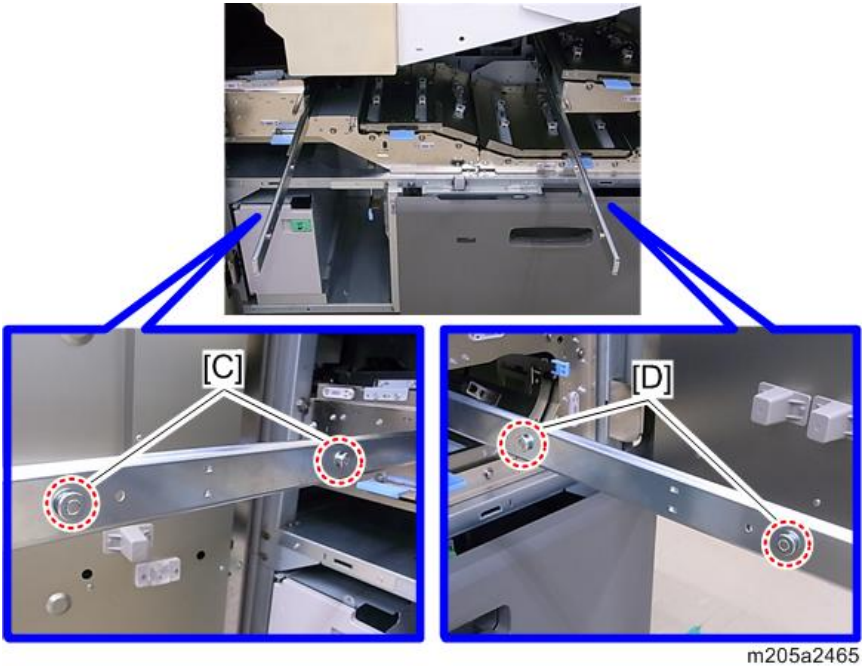
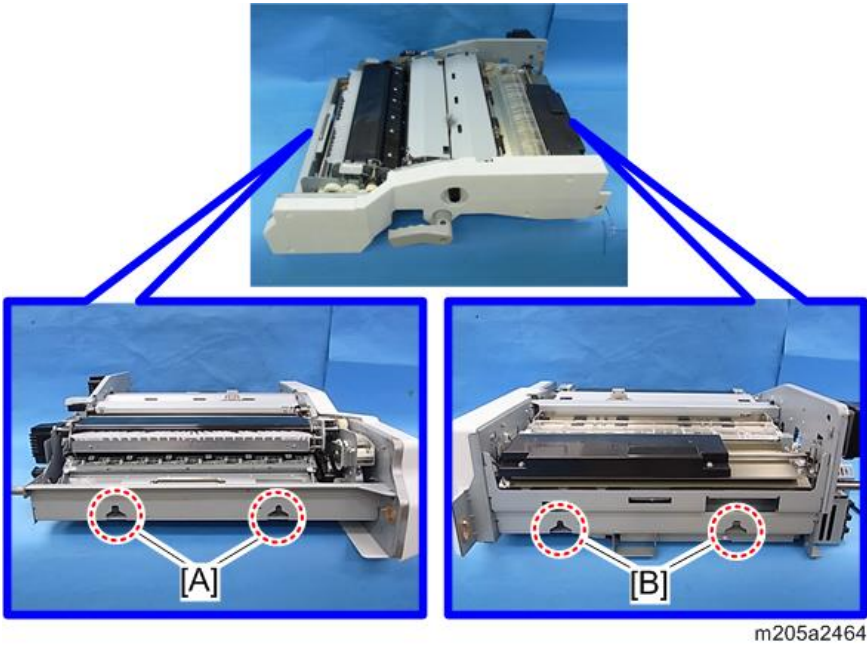
4. Hold the handle [A] and [B], and then remove drawer unit [C].



4

Note

- When installing the drawer unit to the machine, the cut-outs [A], [B] of the left and right sides need to be hooked onto the fixing screws [C], [D] of the guide rail.



Registration Timing Sensor

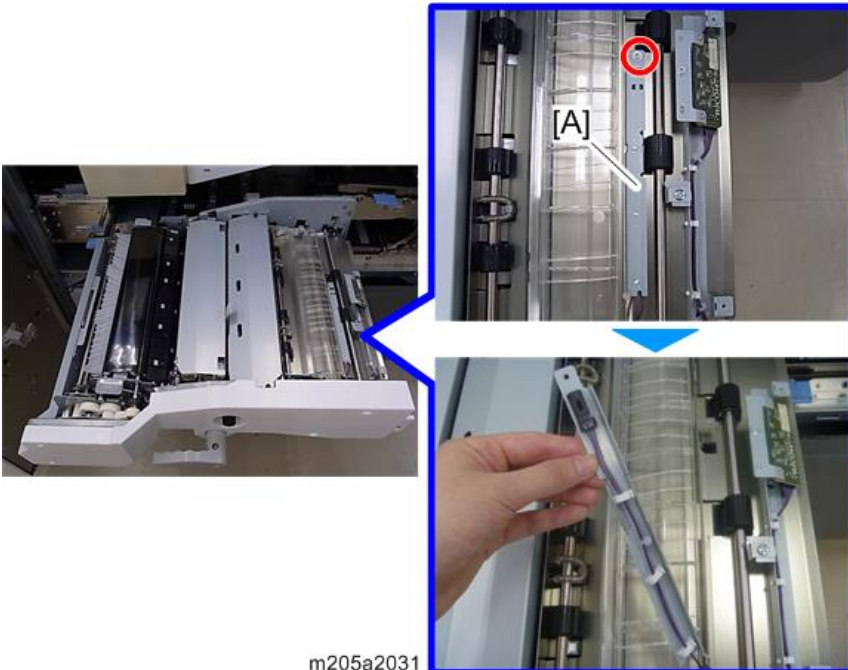
1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

2. Cover [A] (🔩×2)



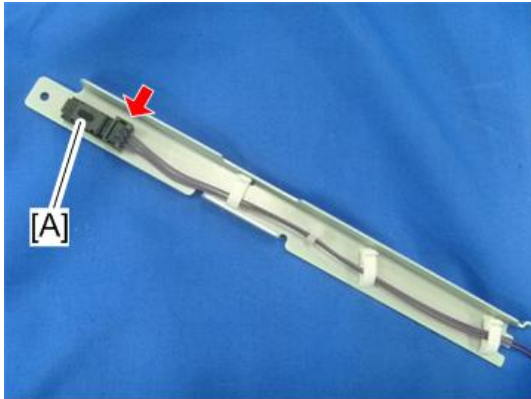
m205a2030

3. Sensor bracket [A] (🔩×1)



m205a2031

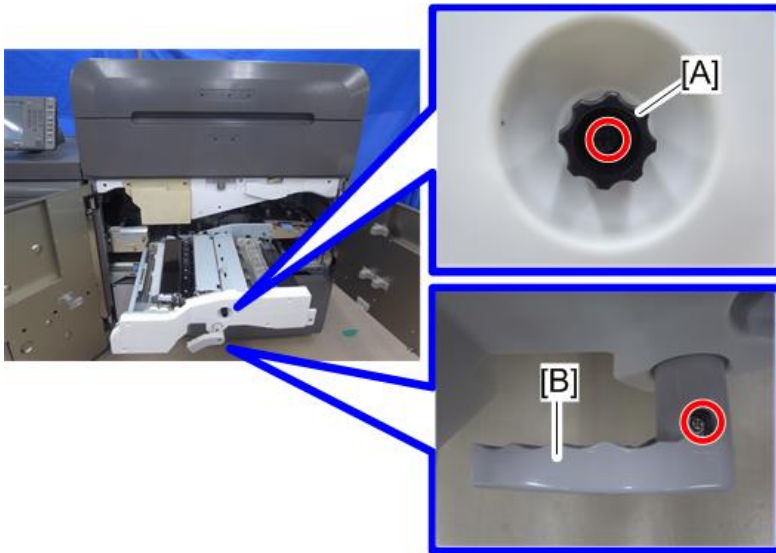
4. Remove registration timing sensor [A] from the sensor bracket. (🔧 ×1)



m205a2032

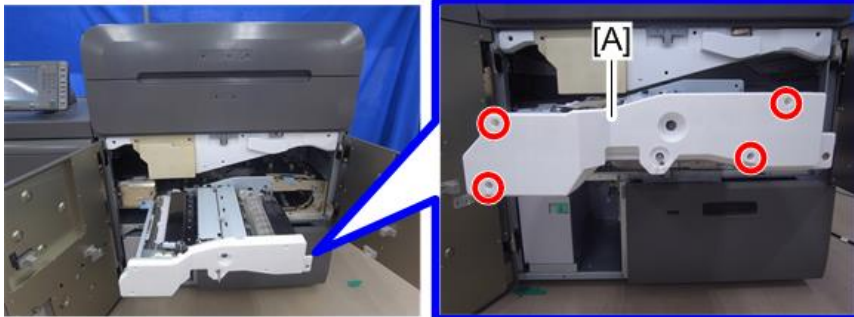
Rotary Gate Home Position Sensor

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")
2. Remove knob [A] and handle [B] of the drawer unit. (🔧 ×2)



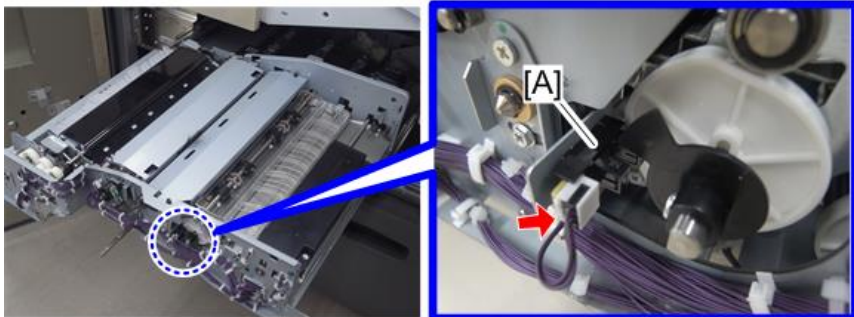
m205a2284

3. Drawer unit inner cover [A] (🔩×4)



m205a2285

4. Rotary gate home position sensor [A] (🔧×1)



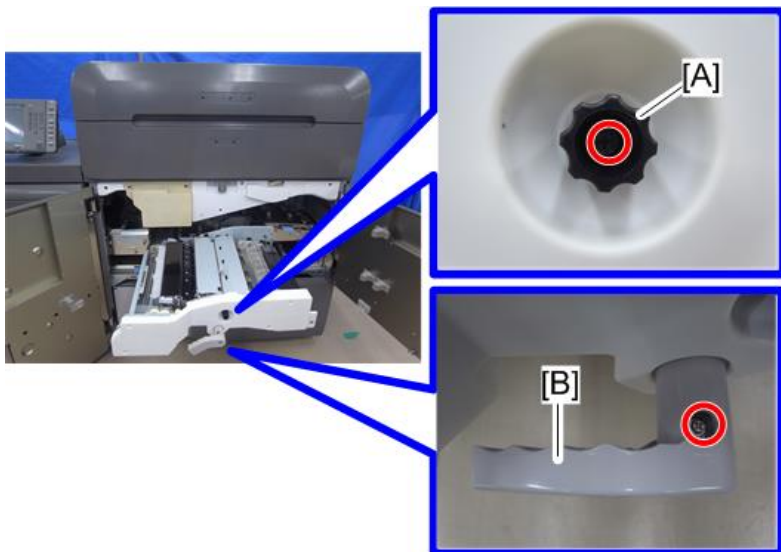
m205a2286

4

Registration Encoder Sensor

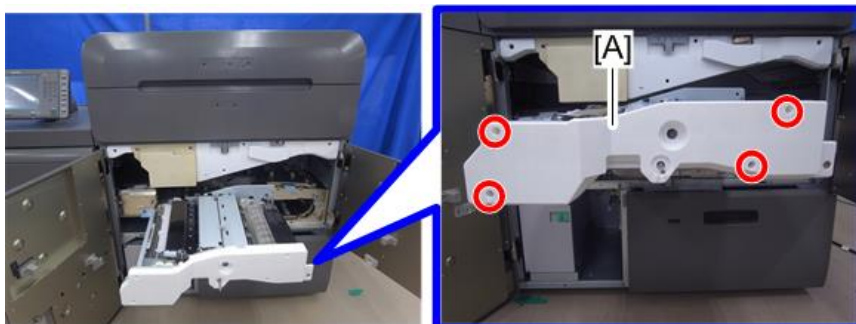
1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

2. Remove knob [A] and handle [B] of the drawer unit. (⊖ × 2)



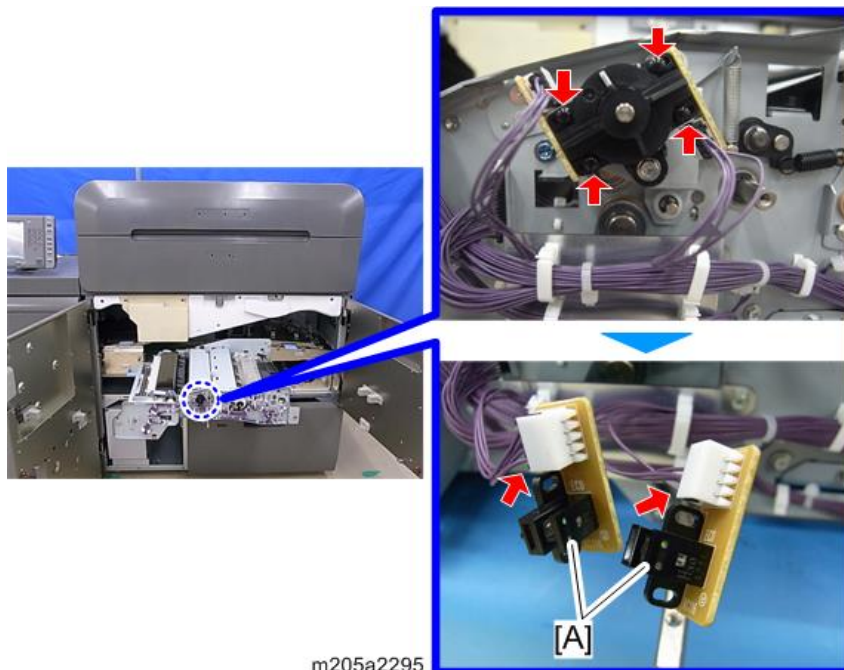
m205a2284

3. Drawer unit inner cover [A] (⊖ × 4)



m205a2285

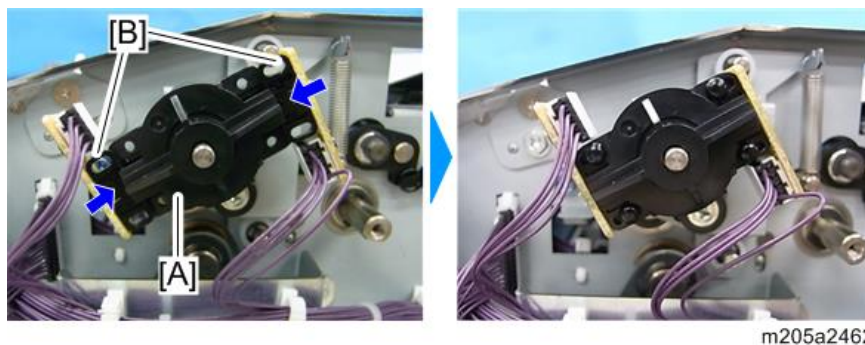
4. Registration encoder sensor [A] (×2) (rivet ×4, ×2)



m205a2295

↓ Note

- When installing the registration encoder sensors, put the sensors [B] on the encoder cover [A] and fasten the sensor with rivets.

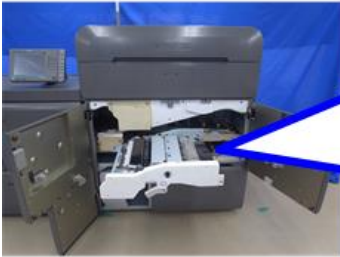
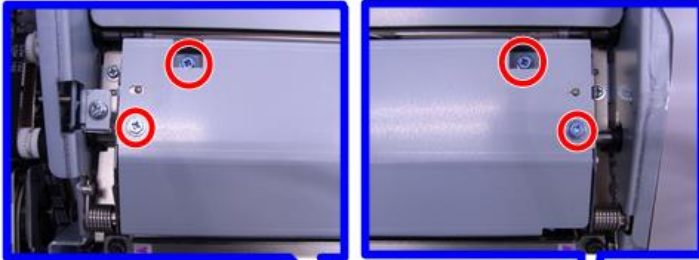


m205a2462

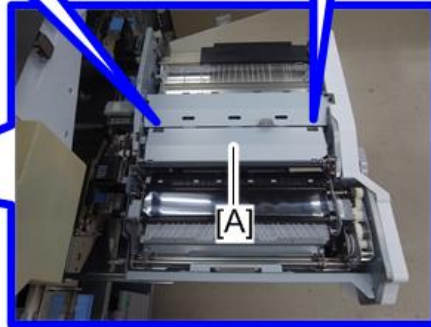
PTR Timing Sensor

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

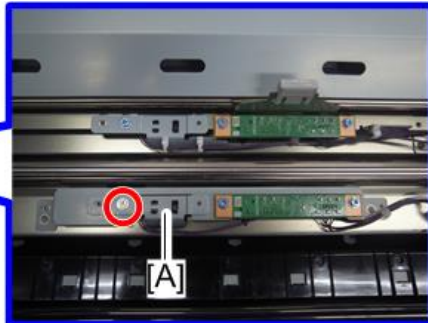
2. Cover [A] (Ⓢ×4)



m205a2043

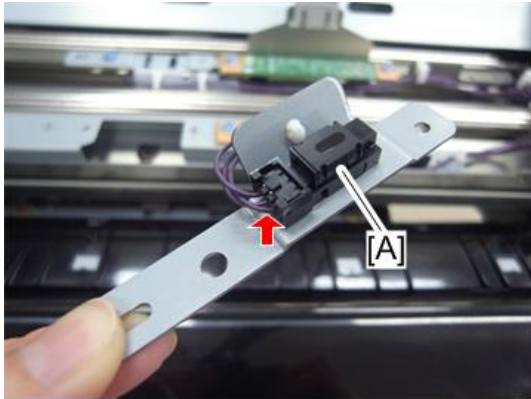


3. Sensor bracket [A] (Ⓢ×1)



m205a2324

4. PTR timing sensor [A] (📦 ×1)

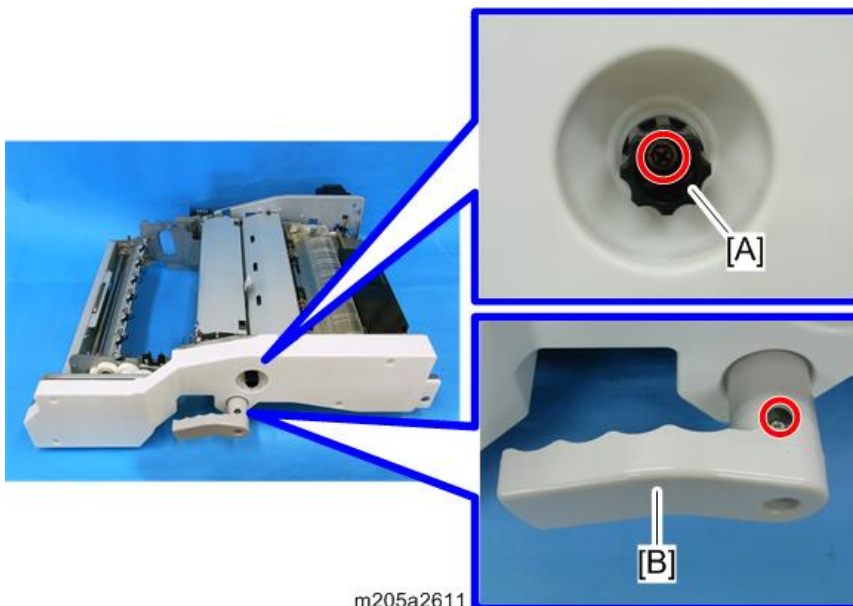


m205a2325

4

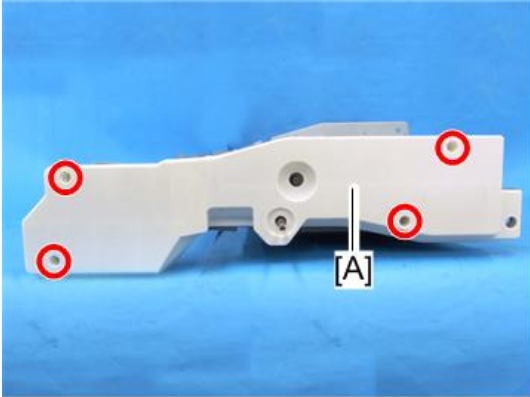
CIS Cleaning Fan

1. Remove the paper transfer unit (PTR) from drawer unit. (page 868 "Paper Transfer Belt Unit")
2. Drawer unit (page 1061)
3. Remove knob [A] and handle [B] of the drawer unit. (🔧 ×2)



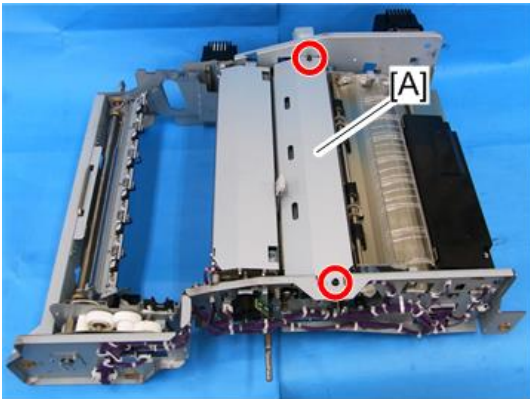
m205a2611

4. Drawer unit inner cover [A] (🔩×4)



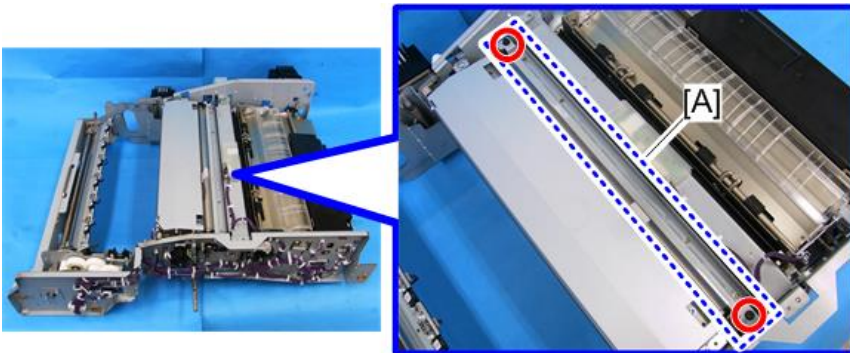
m205a2612

5. Cover [A] (🔩×2)



m205a2613

6. Dust collection tray [A] (🔩×2)

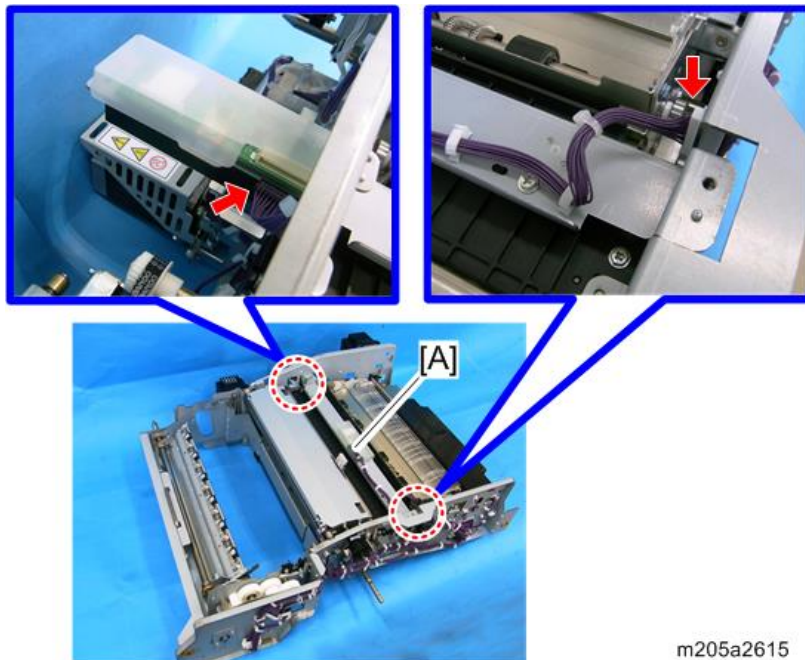


m205a2614

↓ **Note**

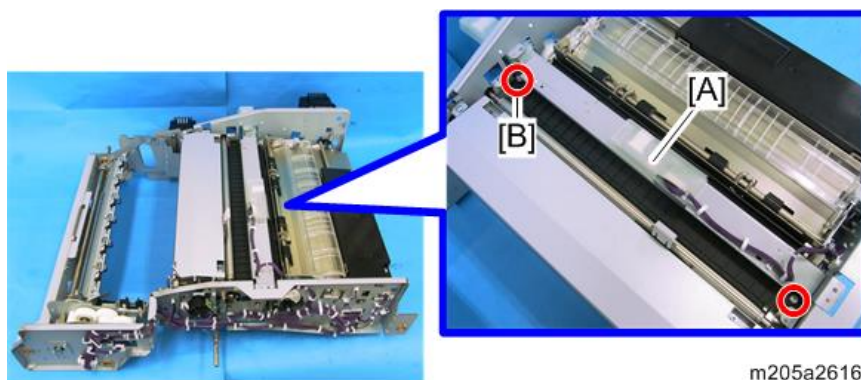
- When removing the dust collection tray, pull it up vertically. Be careful not to spill the paper dust by inclining the dust collection tray.

7. Disconnect two connectors of CIS bracket [A]. (🔌 ×2)

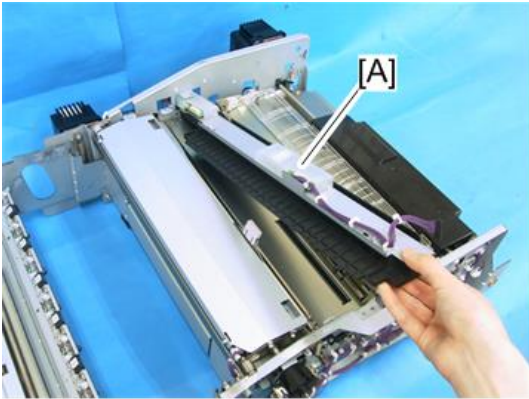


8. Remove the fixing screws of CIS bracket [A]. (🔩 ×1, 🏹 ×1)

- The screw [B] at rear side is shoulder screw.



9. Remove the CIS bracket [A] from drawer unit.

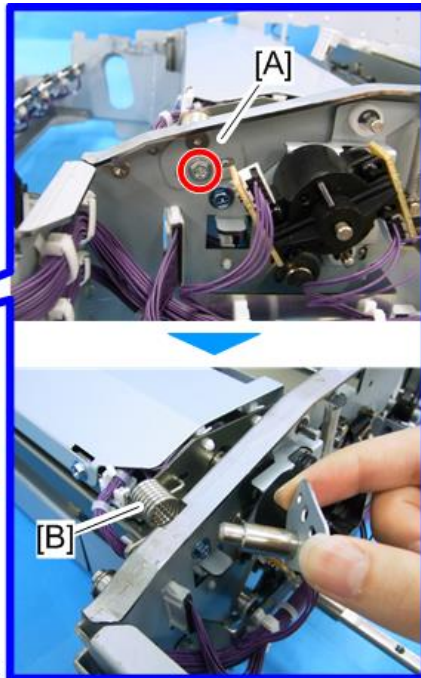
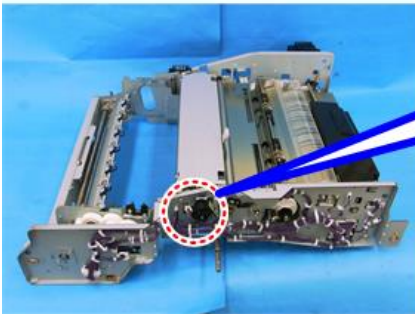


m205a2617

4

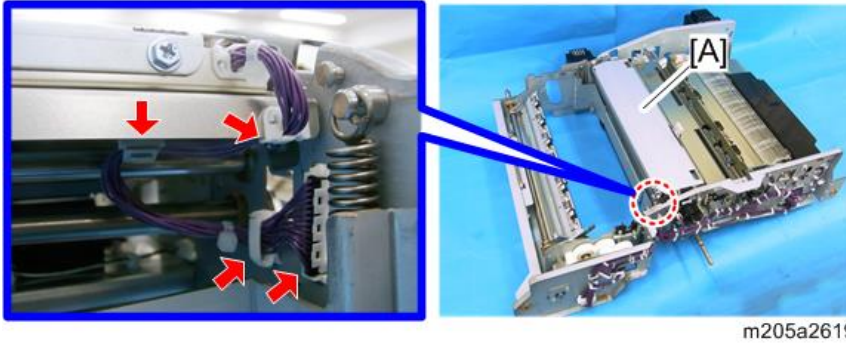
10. Bearing [A] (⌀ × 1)

When you remove the bearing [A], spring [B] is removed.



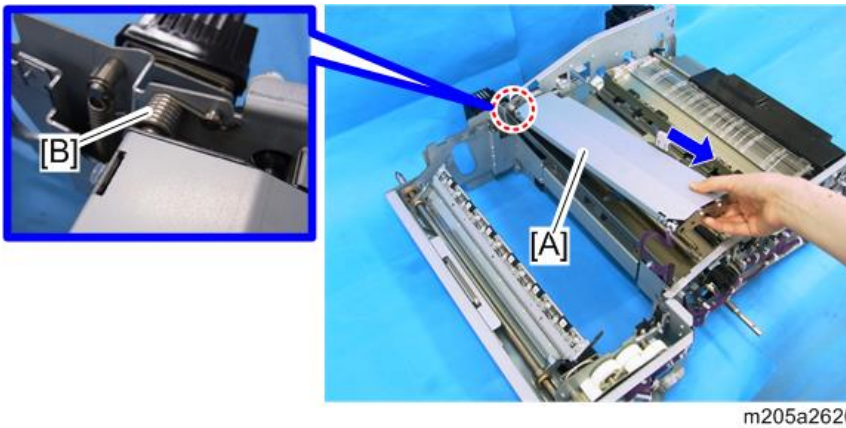
m205a2618

11. Open the clamps and disconnect the connectors of T-ACT sensor bracket [A]. (🔧×3, 📦×1)

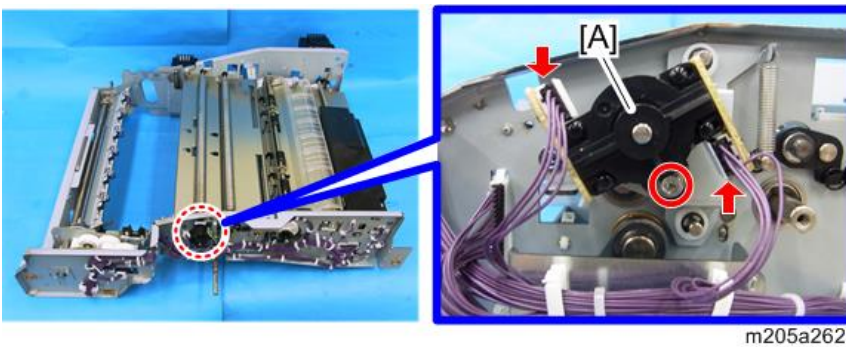


12. T-ACT sensor bracket [A]

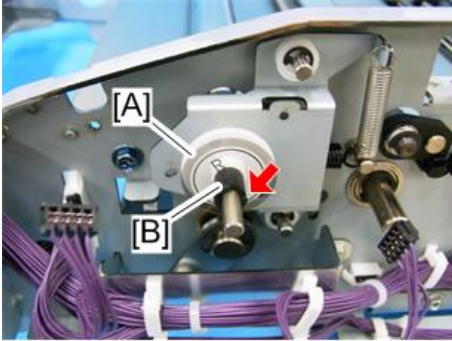
When you remove the T-ACT sensor bracket [A], spring [B] is removed.



13. Remove the registration encoder sensor cover [A]. (🔧×1, 📦×2)



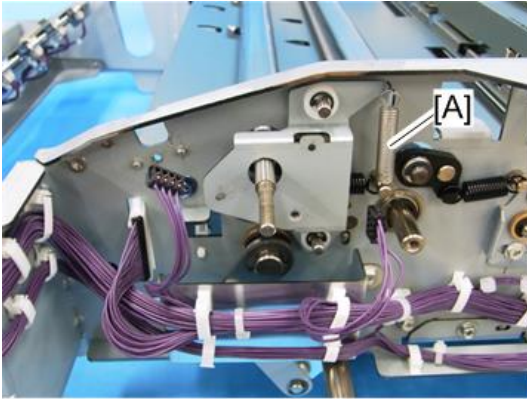
14. Remove pulley [A] and spacer [B]. (🌀×1)



m205a2622

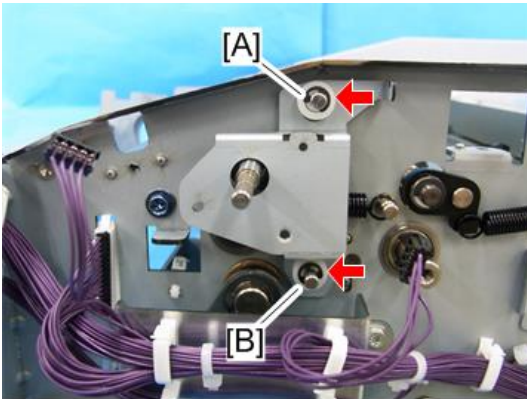
4

15. Spring [A] (🌀×1)



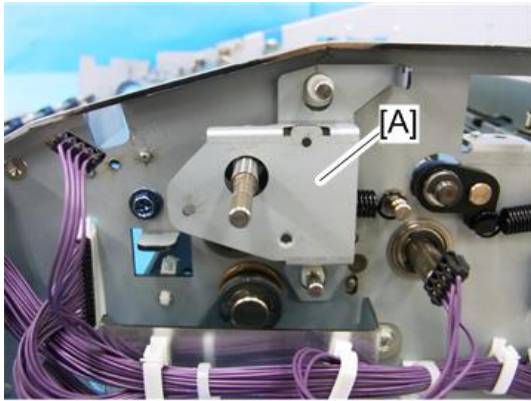
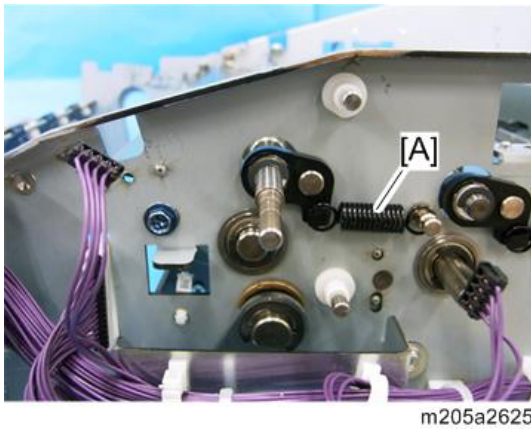
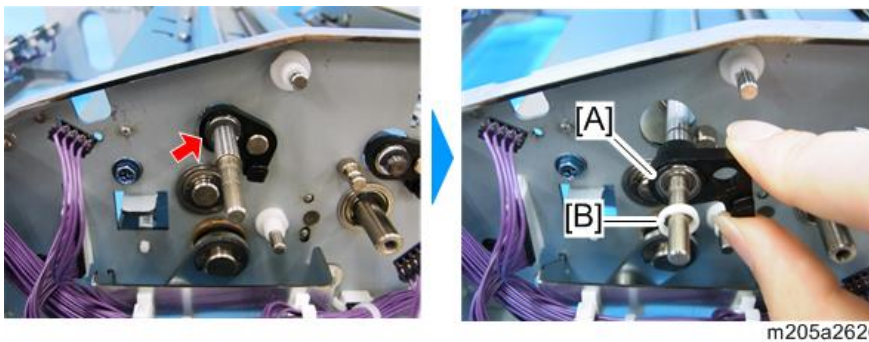
m205a2628

16. Bearings [A], [B] (🌀×2)

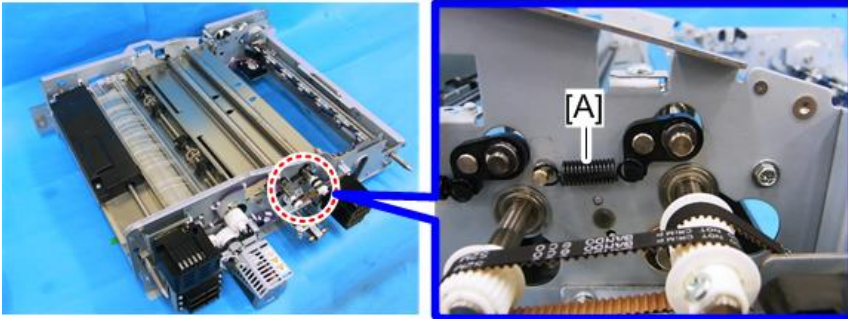


m205a2623

17. Bracket [A]

18. Spring [A] ( ×1)19. Remove the E-ring, and then remove the bearing [A] and spacer [B]. ( ×1)

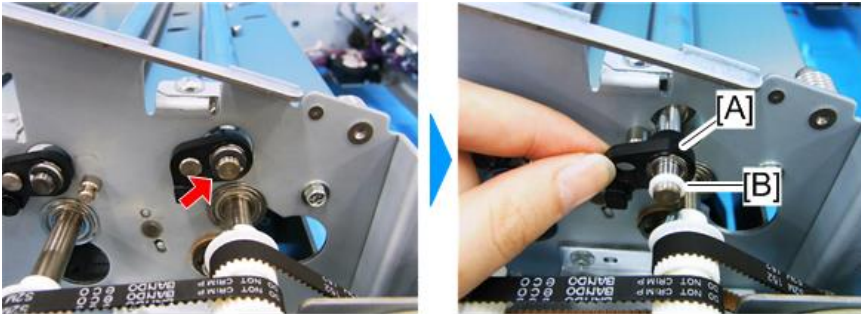
20. Remove the spring [A] at rear side.



m205a2627

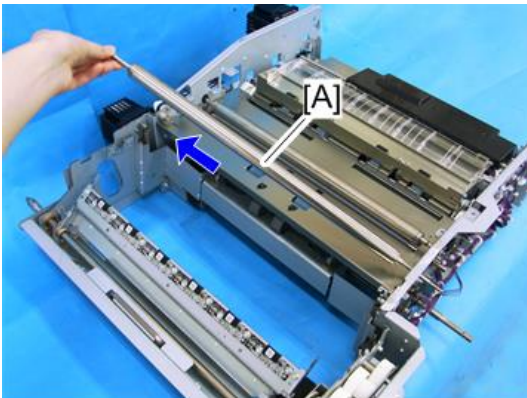
4

21. Remove the E-ring, and then remove the bearing [A] and spacer [B]. (⌀×1)



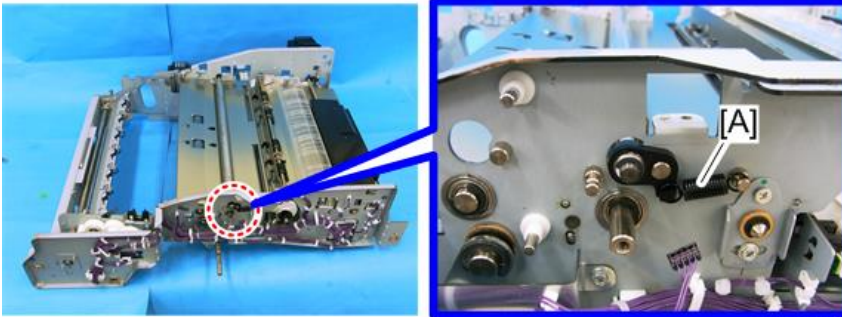
m205a2629

22. PTR timing roller [A]



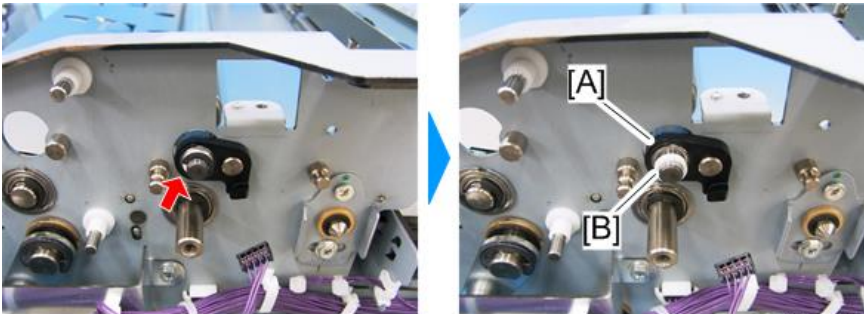
m205a2630

23. Remove the spring [A] at front side. (🌀×1)



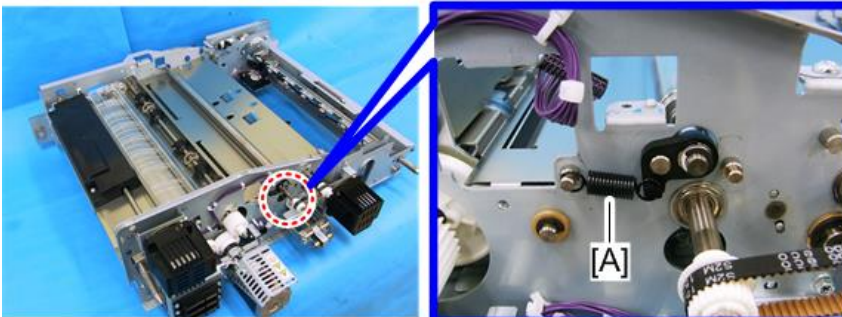
m205a2631

24. Remove the E-ring, and then remove the bearing [A] and spacer [B]. (🌀×1)



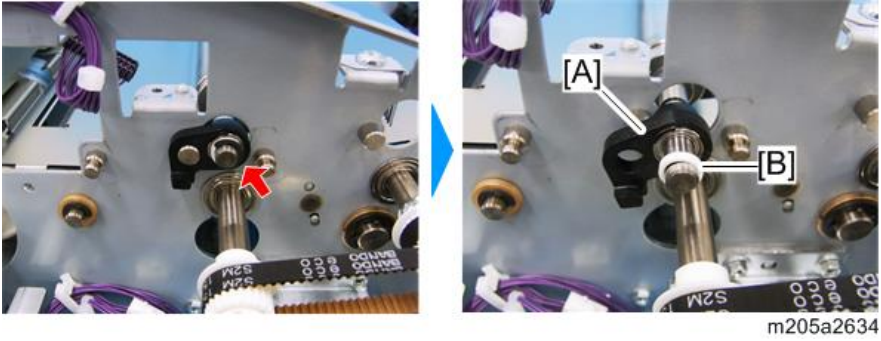
m205a2632

25. Remove the spring [A] at rear side. (🌀×1)



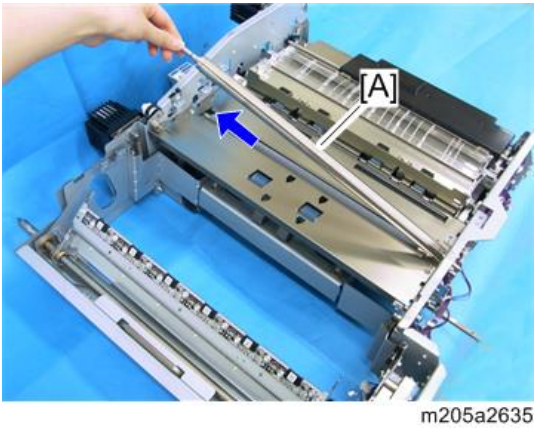
m205a2633

26. Remove the E-ring, and then remove the bearing [A] and spacer [B]. (⌀×1)

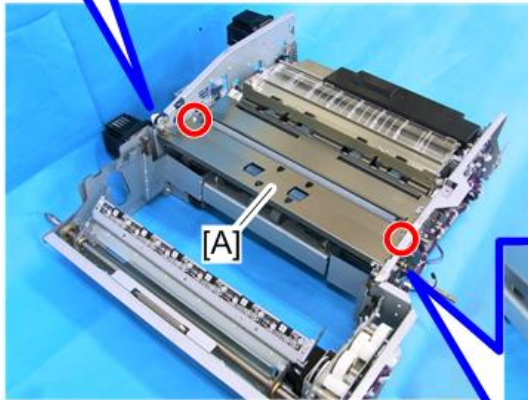


4

27. Registration relay roller (Idle) [A]

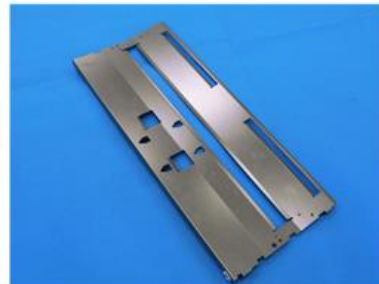
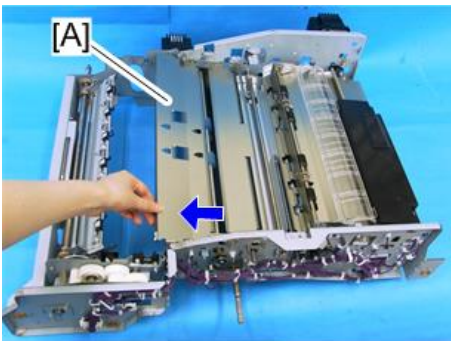


28. Remove the fixing screws of cover plate [A]. (🔩×4)



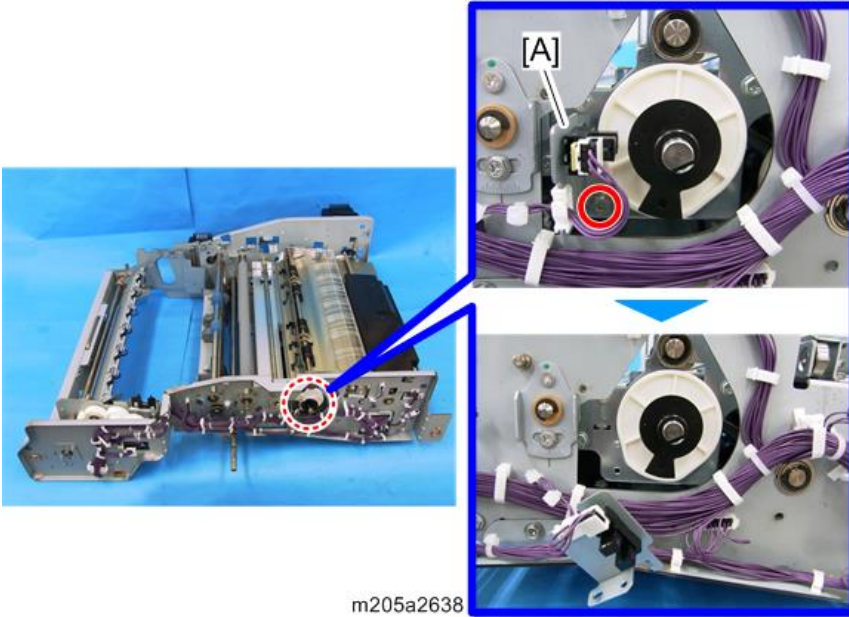
m205a2636

29. Cover plate [A]

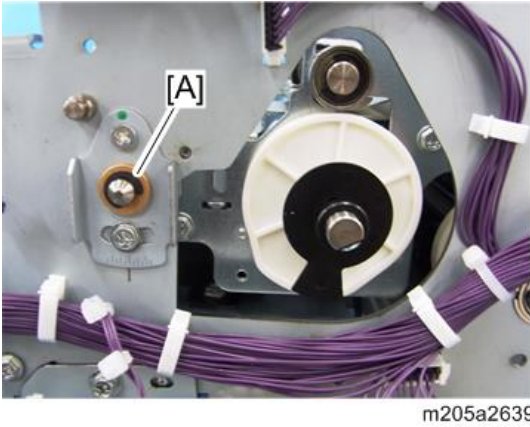


m205a2637

30. Sensor bracket [A] (🔑×1)

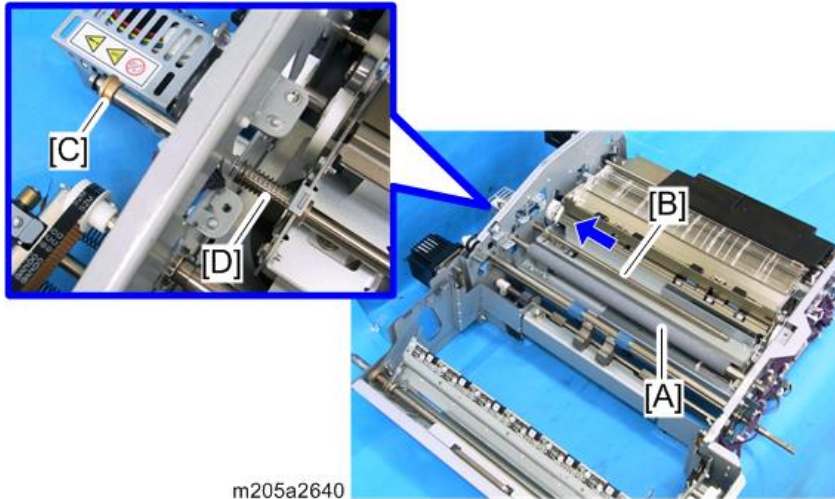


31. E-ring [A] (🔑×1)

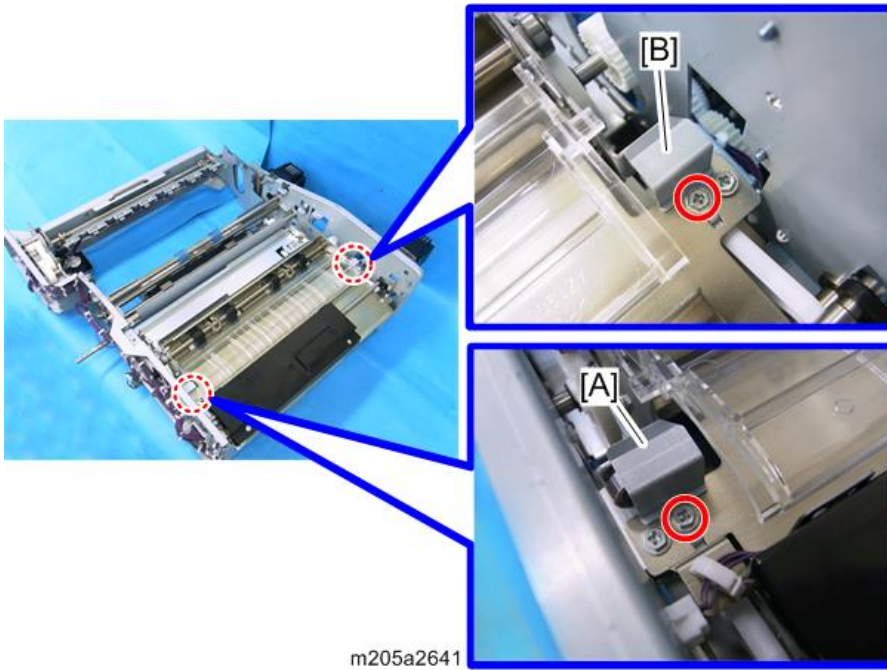


32. Remove the shaft [B] besides rotary gate roller [A].

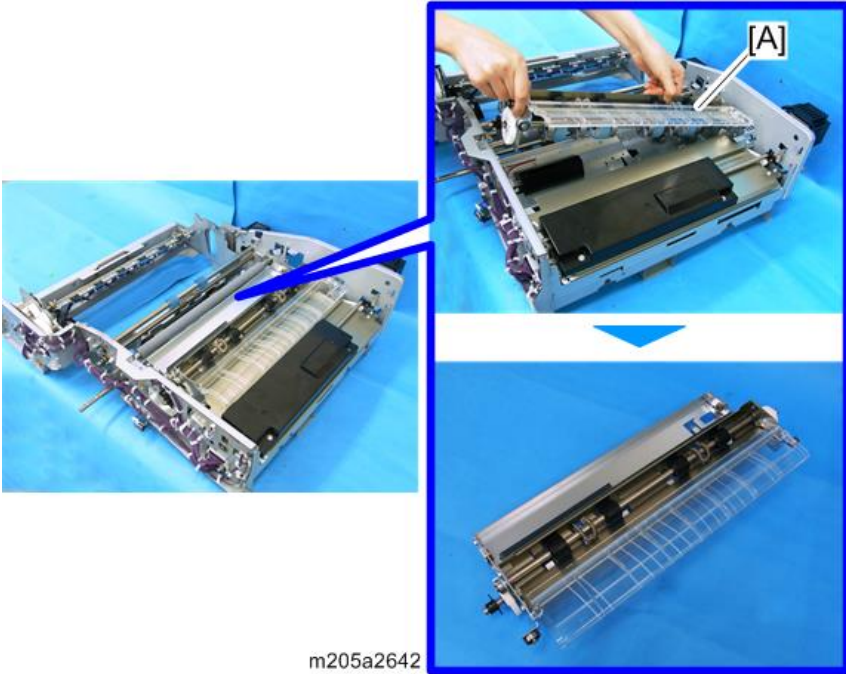
Remove the bearing [C] and spring [D] with the shaft.



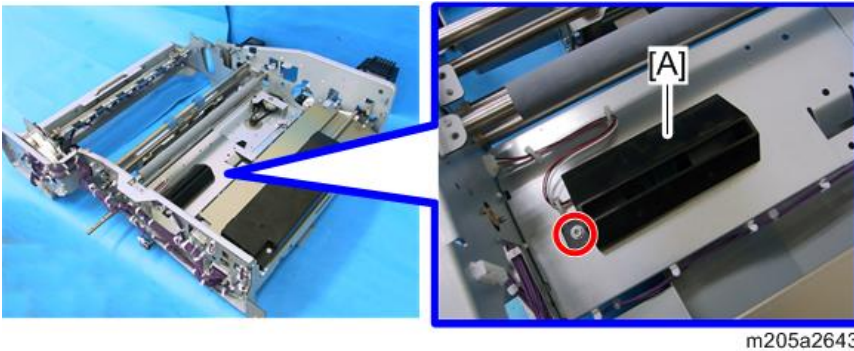
33. Remove lock plate at front [A] and rear [B]. (⊙ *2)



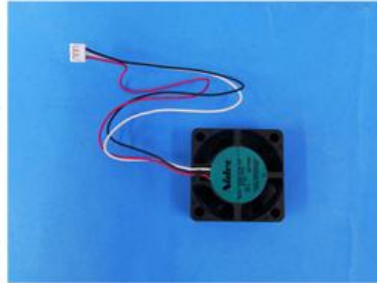
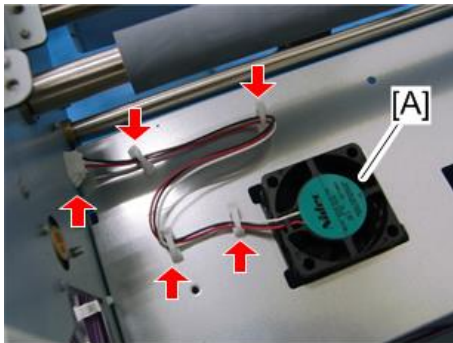
34. Shift unit cover plate [A]



35. Fan cover [A] (⊙ ×1)



36. CIS cleaning fan [A] (🔌×4, 📦×1)

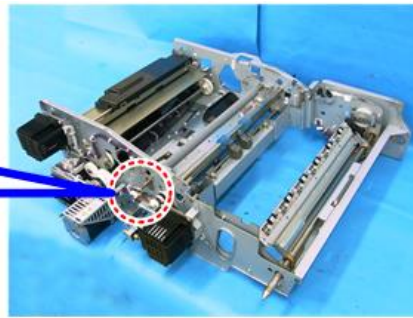
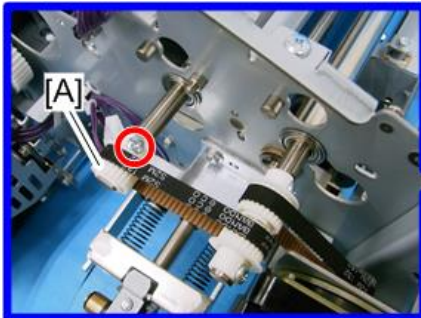


m205a2644

4

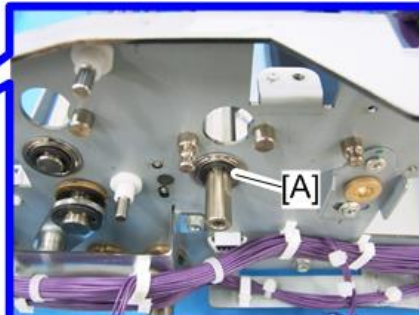
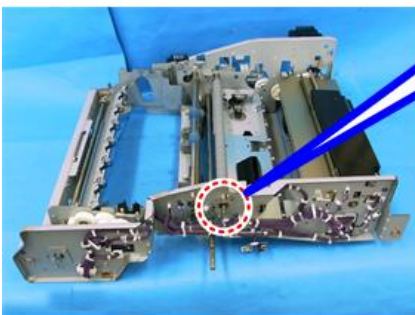
Shift Roller Motor

1. Shift unit cover plate (page 1071 "CIS Cleaning Fan")
2. Remove the coupling [A] at rear side. (🔌×1, 🌀×1)



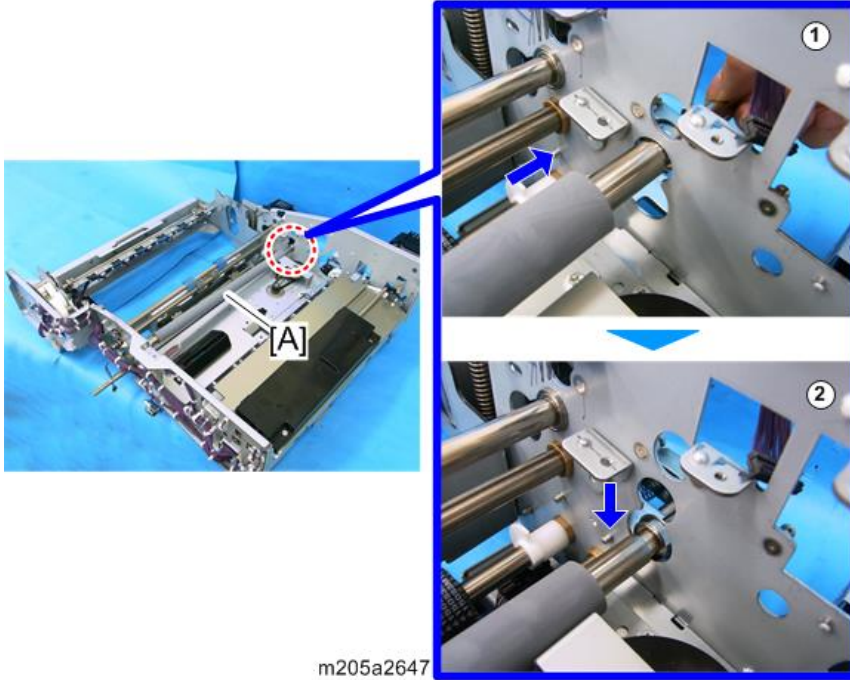
m205a2645

3. Remove the E-ring [A] at front side. (🌀×1)



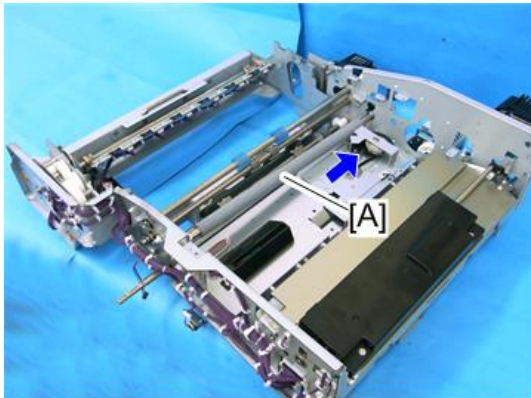
m205a2646

- 4. Pull the registration relay roller (drive) [A] backwards. When the bearing come out from the frame, put it down to the lower hole as shown below.



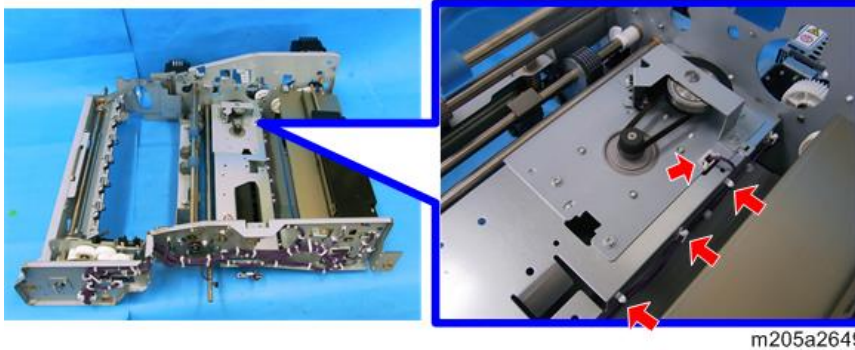
m205a2647

- 5. Pull the registration relay roller [A] backwards, and then remove it.

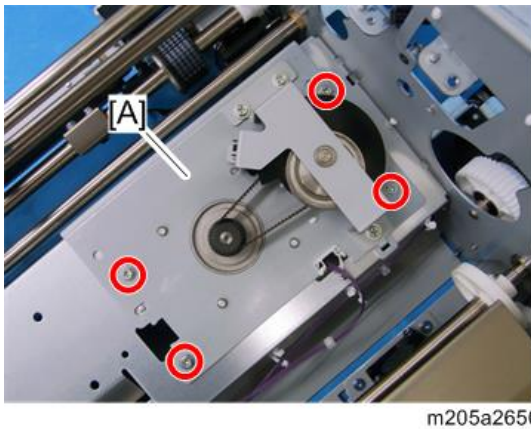


m205a2648

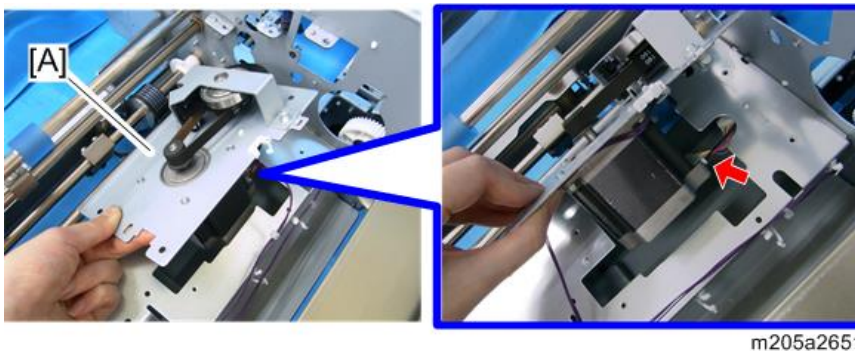
6. Open the clamps shown below. (🔧×4)



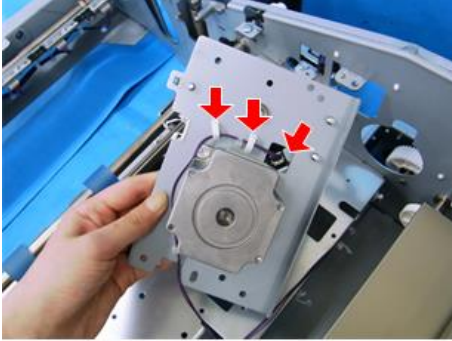
7. Remove the fixing screws of shift roller motor bracket [A]. (🔧×4)



8. Lift the shift roller motor bracket [A], and then disconnect the motor connector at back side of motor bracket. (🔧×1)



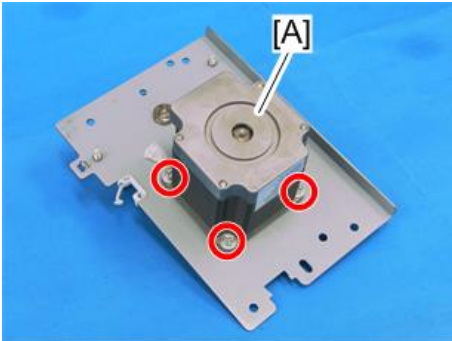
9. Open the clamps and disconnect the connector at back side of shift roller motor bracket. (🔧×2, 📦×1)



m205a2652

4

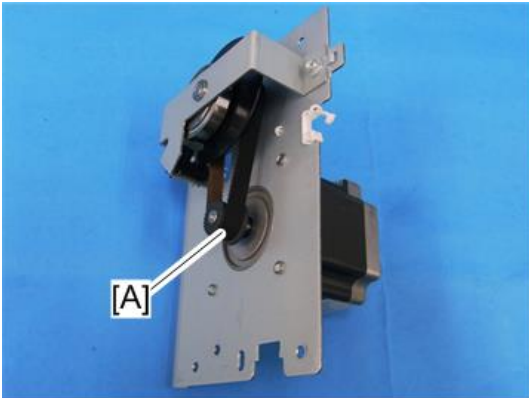
10. Remove the shift roller motor [A] from shift roller motor bracket. (🔧×3, 📦×1)



m205a2653

↓ Note

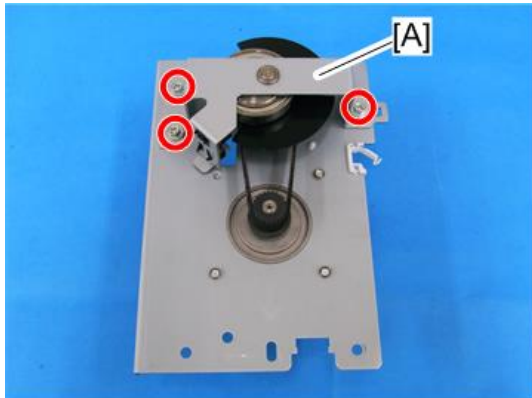
- When installing shift roller motor, confirm that the motor is set to the timing belt [A] correctly.



m205a2656

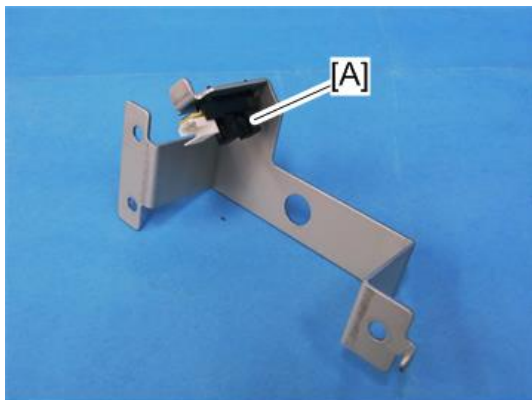
Shift Unit Home Position Sensor

1. Shift roller motor bracket (page 1085)
2. Sensor bracket [A] (🔑 ×3)



m205a2654

3. Shift unit home position sensor [A]

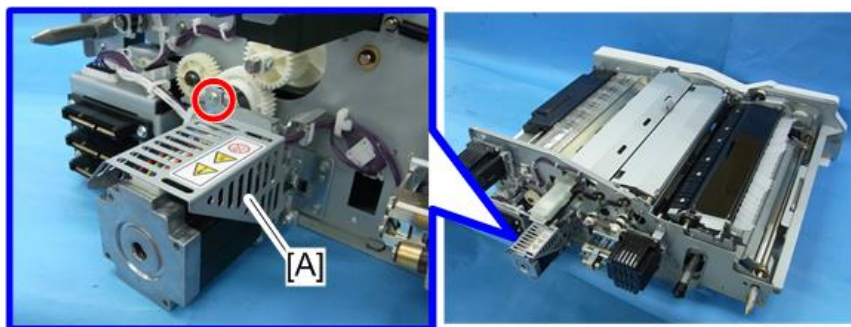


m205a2655

Rotary Gate Motor

1. Drawer unit (page 1061)

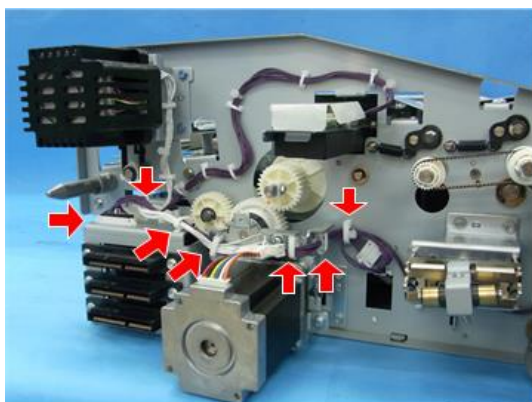
2. Motor cover [A] (🔑 ×1)



m205a2446

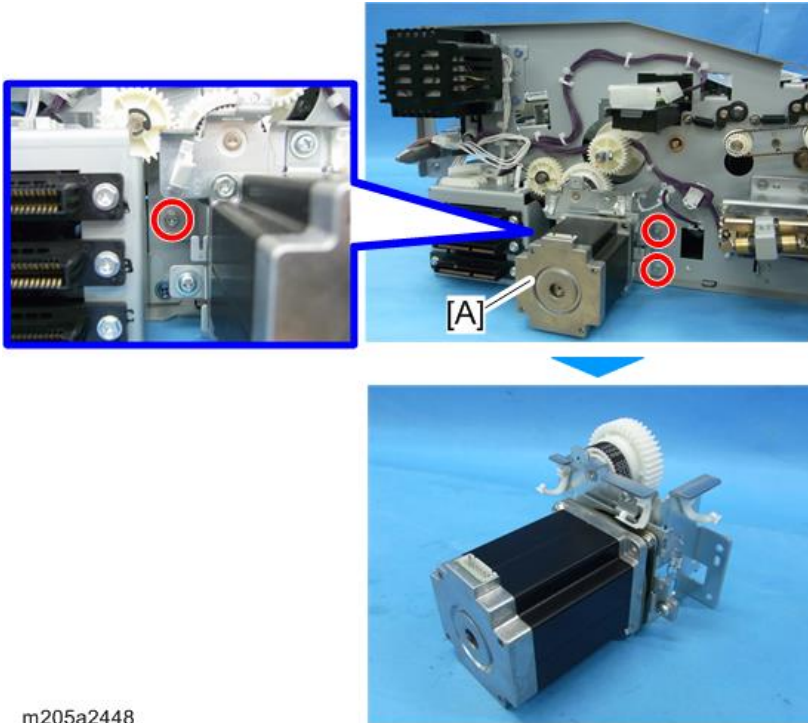
4

3. Disconnect a connector and open 6 clamps. (🔌 ×1, 🛠️ ×6)



m205a2447

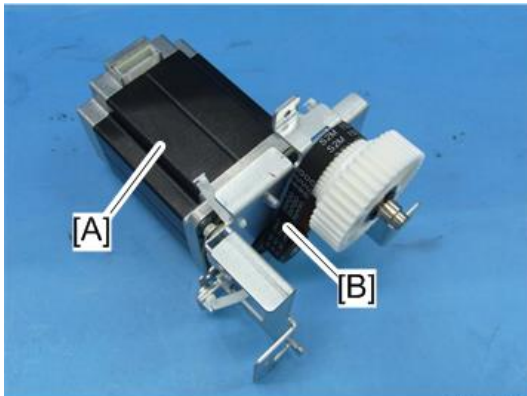
4. Rotary gate motor [A] (⚙️×3, ⚙️×1)



m205a2448

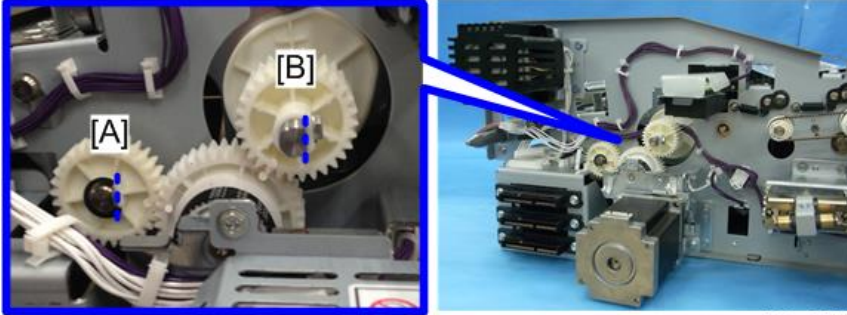
↓ Note

- Do not remove the motor bracket [B] from rotary gate motor [A]. The tension of the timing belt is adjusted at the factory and cannot be adjusted in the field.



m205a2451

- When installing the rotary gate motor, make sure that the flat sides of shafts [A] and [B] are parallel.



m205a0223

4

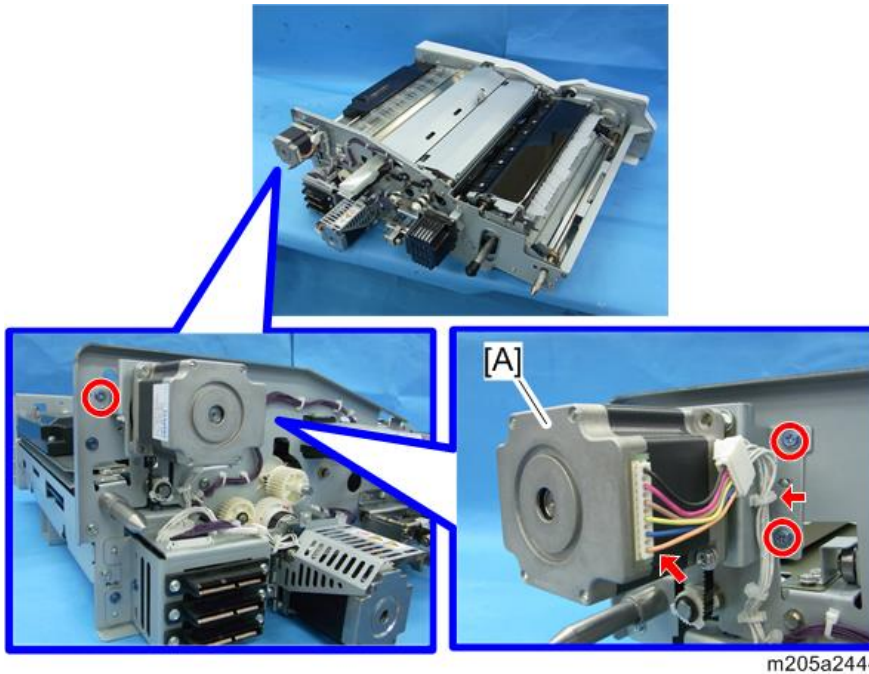
Registration Timing Motor

1. Drawer unit (page 1061)
2. Motor cover [A] (pawl x2)

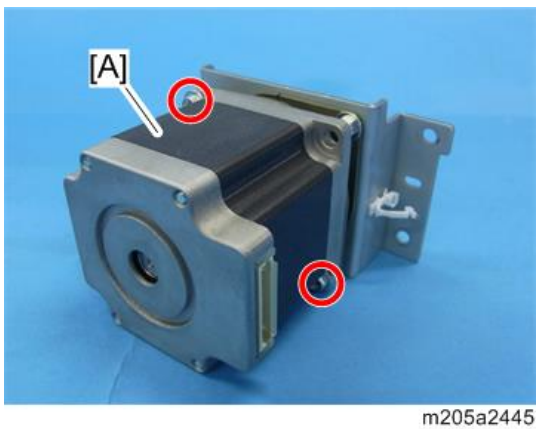


m205a2443

3. Motor bracket [A] (⚙️ x3, 📦 x1, 🛠️ x1, 🌀 x1)

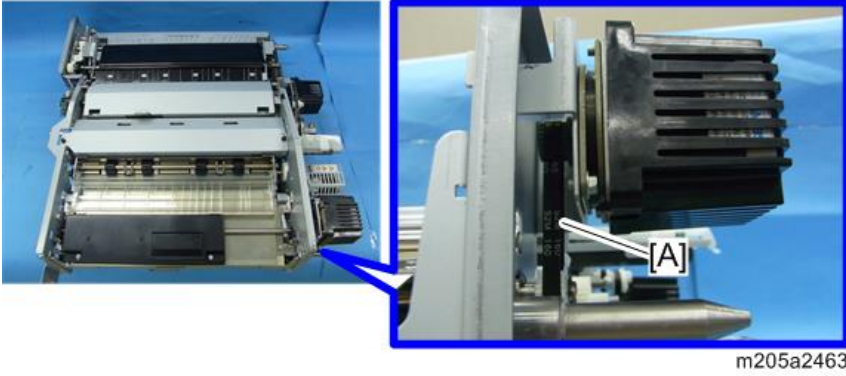


4. Registration timing motor [A] (⚙️ x2)




↓ Note

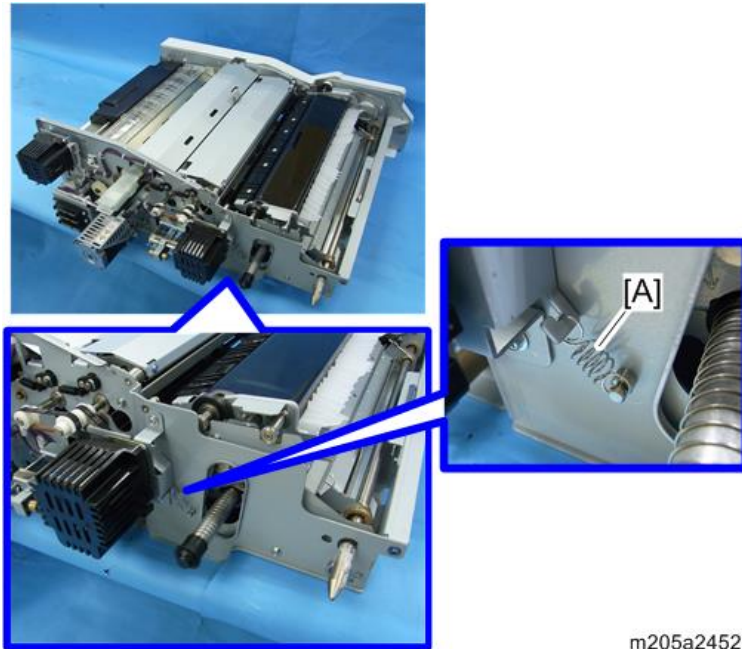
- When installing registration timing motor, confirm that the motor is set to the timing belt [A] correctly.



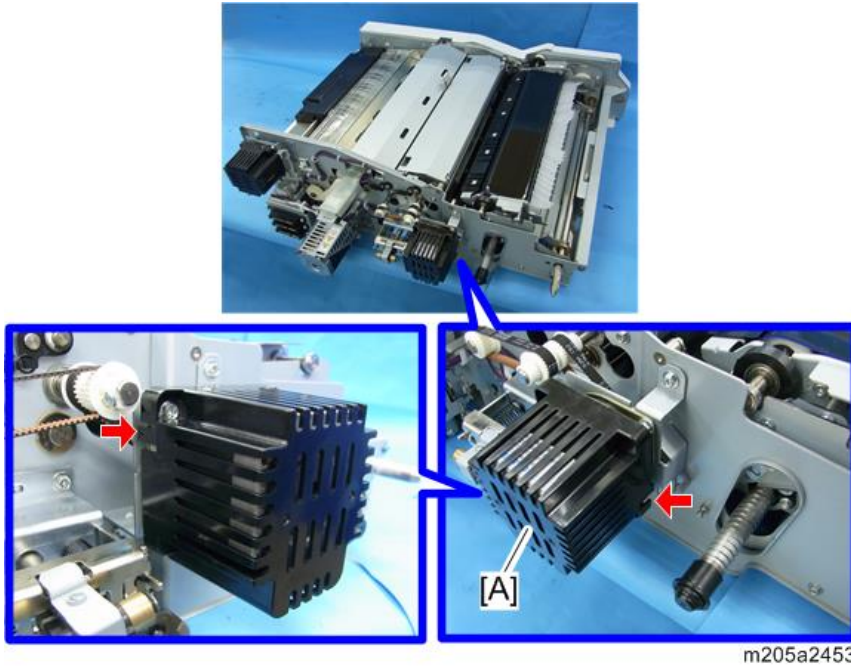
4

PTR Timing Motor

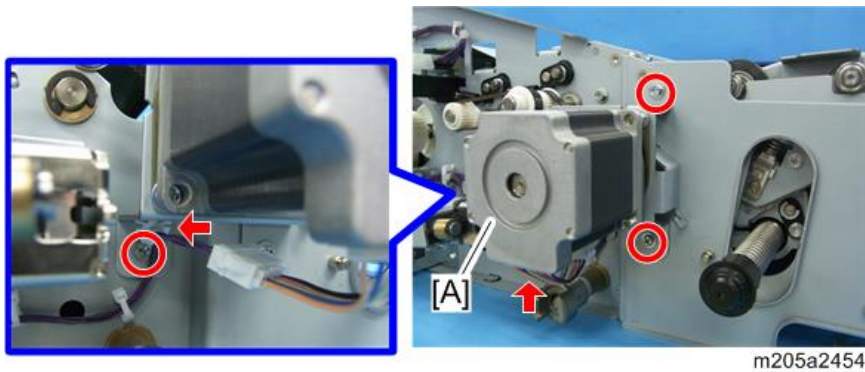
- 1. Drawer unit (page 1061)
- 2. Spring [A] ( ×1)



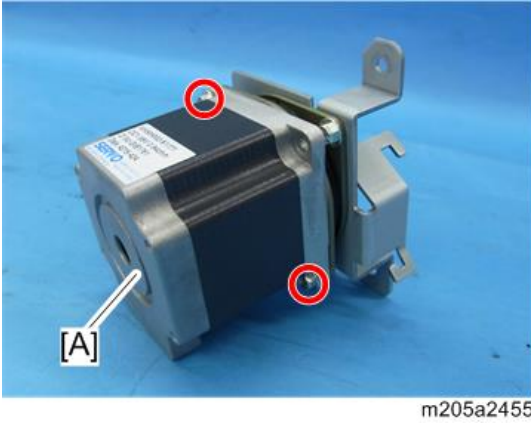
3. Motor cover [A] (pawl x2)



4. Motor bracket [A] (⌀ x3, □ x1, ⚙ x1, Ⓞ x1)



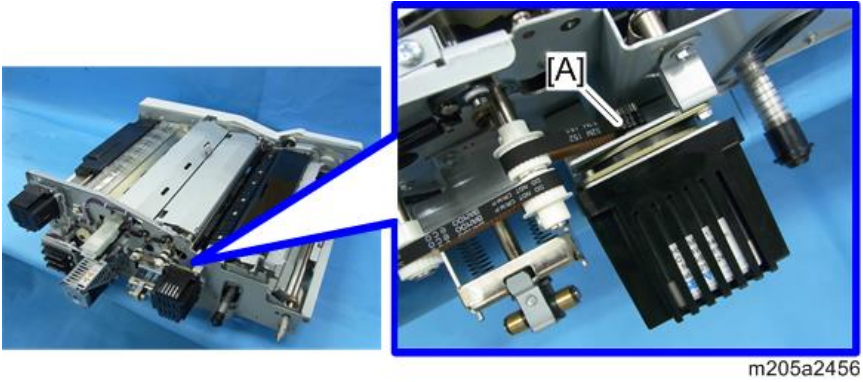
5. PTR timing motor [A] (⚙️×2)



4

↓ Note

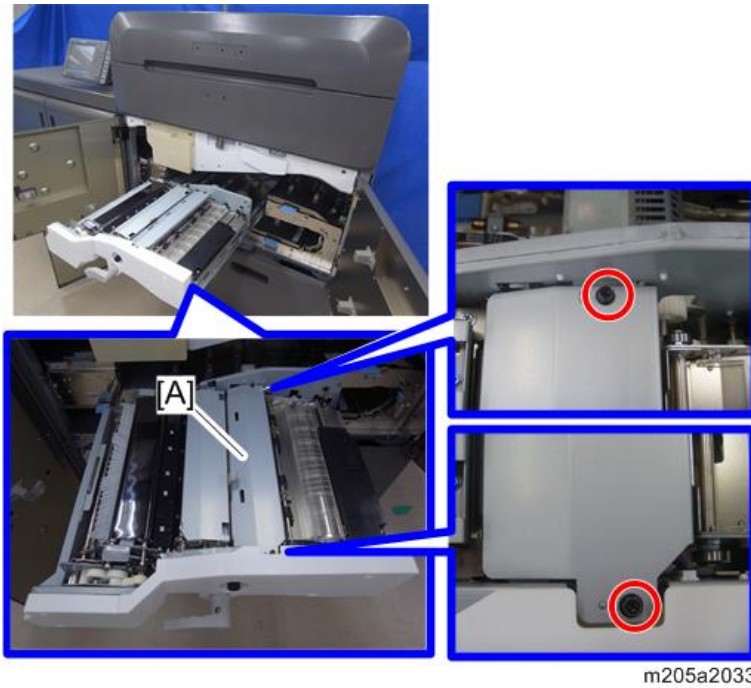
- When installing PTR timing motor, confirm that the motor is set to the timing belt [A] correctly.



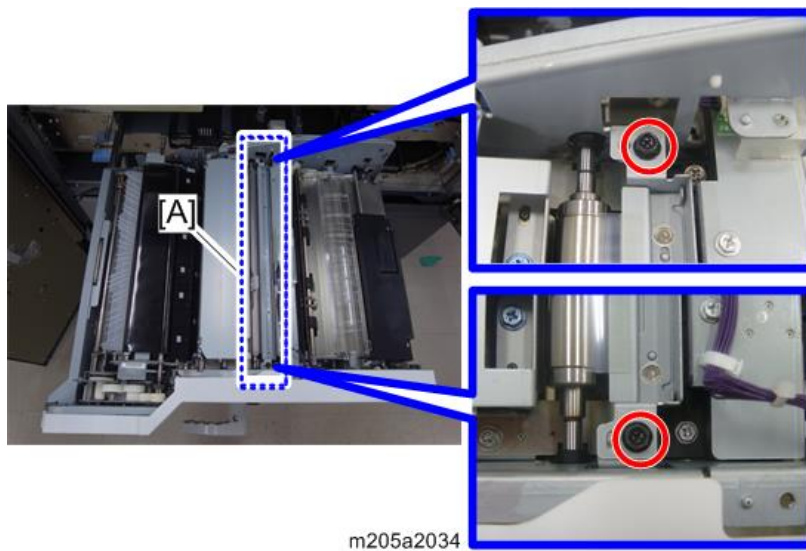
CIS Bracket

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

2. Cover [A] (🔩 ×2)



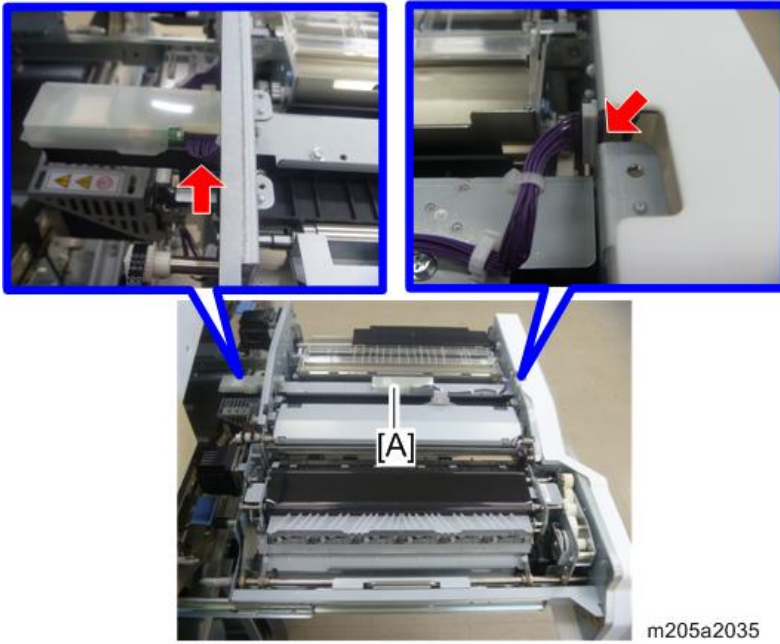
3. Dust collection tray [A] (🔩 ×2)



↓ Note

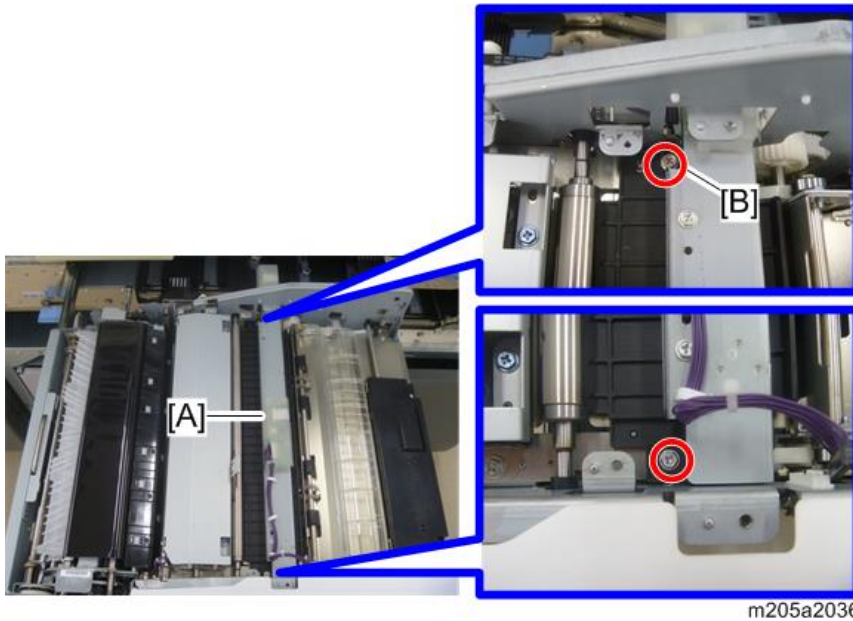
- When removing the dust collection tray, pull it up vertically. Be careful not to spill the paper dust by inclining the dust collection tray.

4. Disconnect two connectors of CIS bracket [A]. (🔌x2)

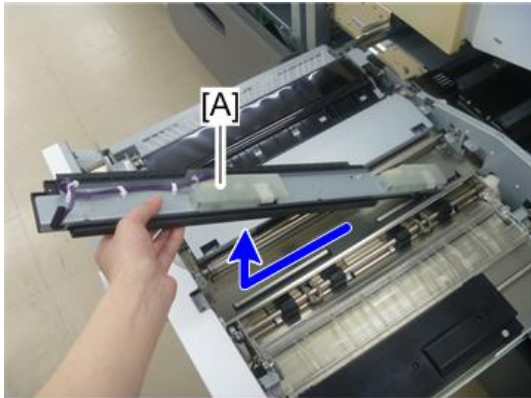


5. Remove the fixing screws of CIS bracket [A]. (🔩x1, 🏹x1)

- The screw [B] at rear side is shoulder screw.



6. Remove the CIS bracket [A] from drawer unit.

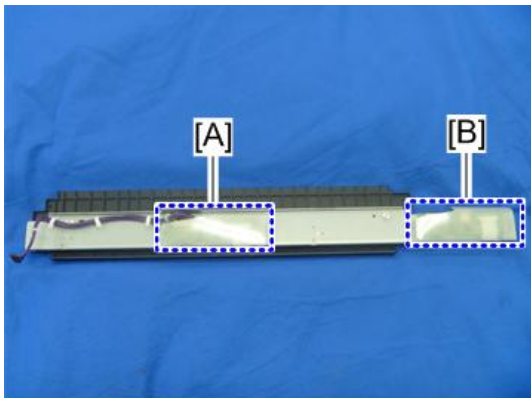


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CRB1/CRB2 (CIS Relay Board)

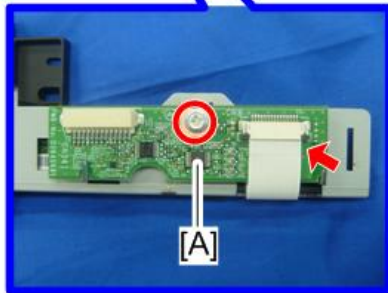
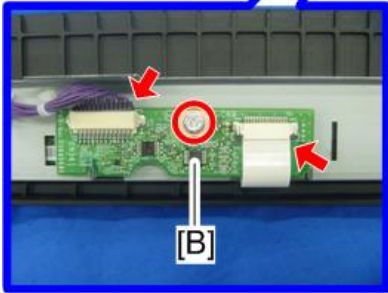
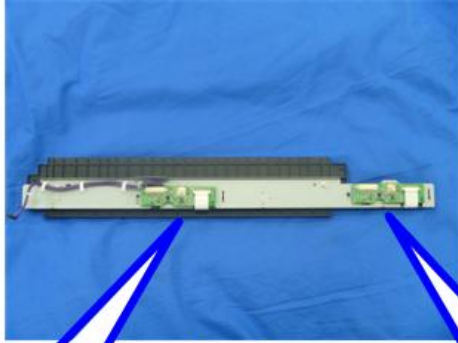
1. CIS bracket (page 1096)
2. CRB protection cover [A] and [B]



m205a2038

3. CRB1 [A] (🔩×1, 📄×1)

4. CRB2 [B] (🔩 ×1, 📏 ×1, 📏 ×1)



m205a2039

⬇️ Note

- Make sure to slide the black collar before disconnecting the connector as shown in the following pictures. Otherwise, the connector may be damaged.

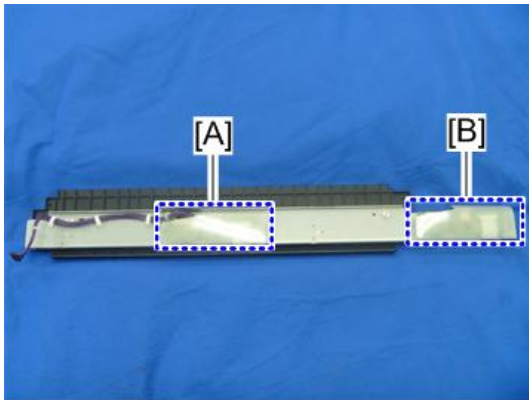


m205a0022

CIS1/CIS2

1. CIS bracket (page 1096)

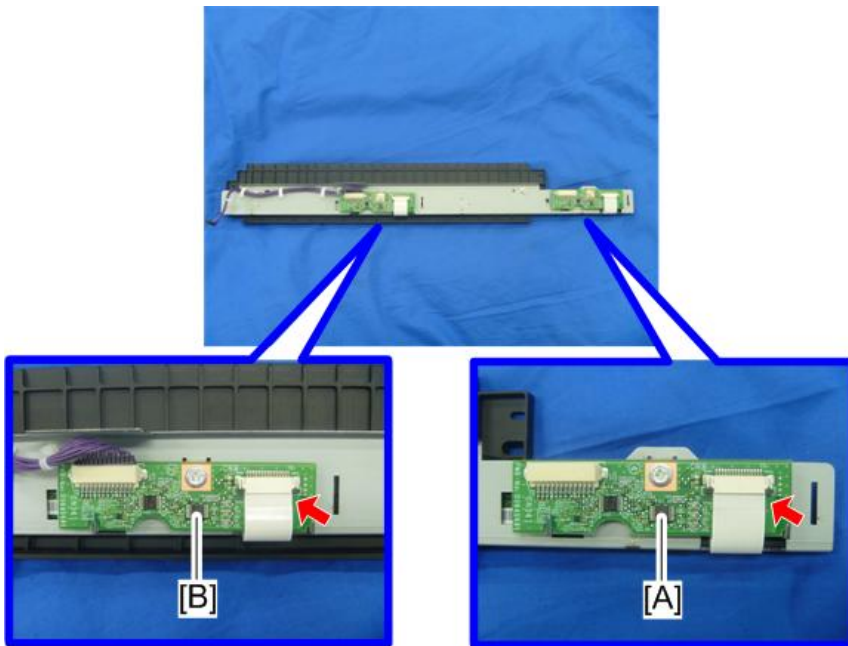
2. CRB protection cover [A] and [B]



m205a2038

4

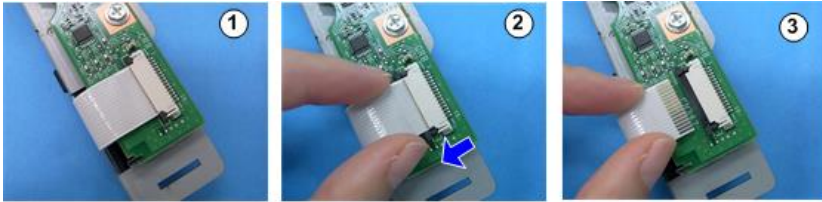
3. Disconnect the connectors of CRB1 [A]/CRB2 [B]. (← ×2)



m205a2040

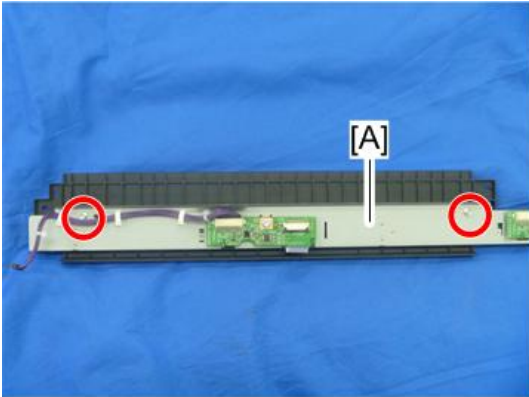
↓ Note

- Make sure to slide the black collar before disconnecting the connector as shown in the following pictures. Otherwise, the connector may be damaged.



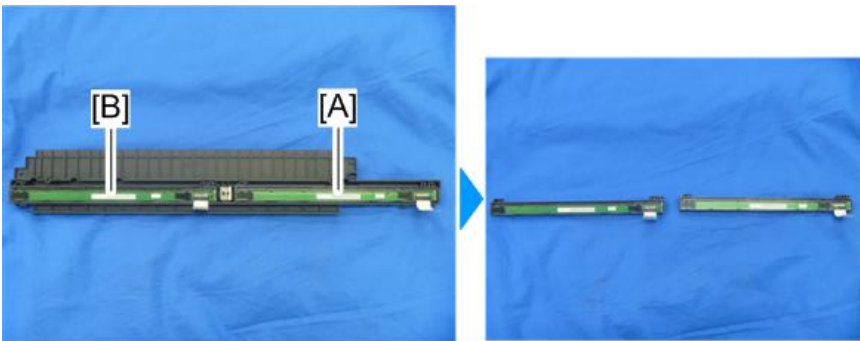
m205a0022

4. CRB bracket [A] (⚙️x2)



m205a2041

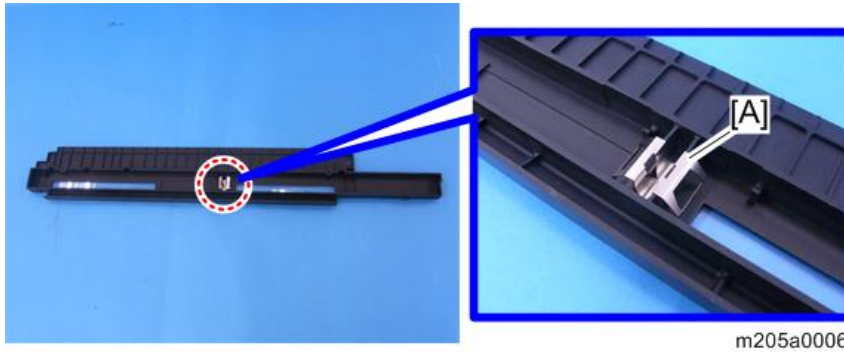
5. Remove CIS1 [A] and CIS2 [B] from the CIS bracket.



m205a2042

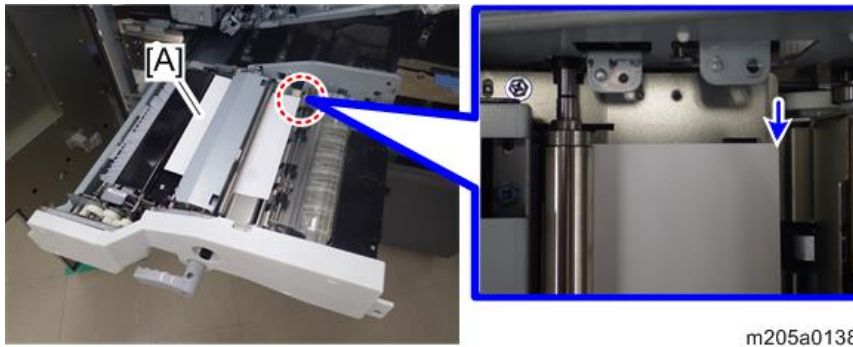
↓ Note

- When installing the CIS1 and CIS2, confirm that the plate spring [A] is attached to the CIS bracket, and then install the CIS1 and CIS2.

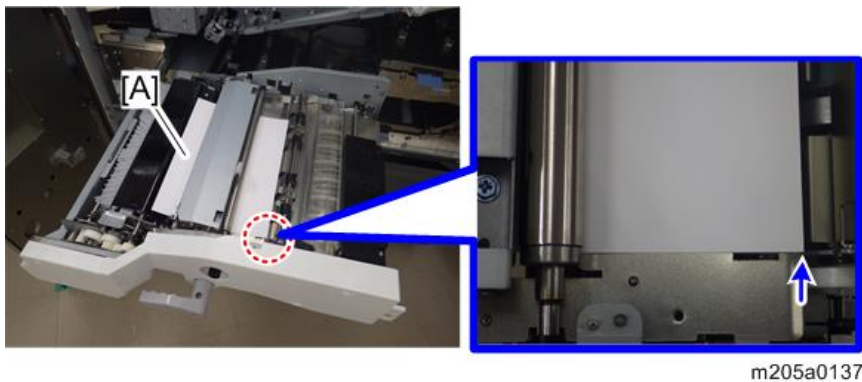


6. After replacing a CIS, set A4 paper (plain paper, 80.0g/m²) in the drawer unit in LEF orientation before setting the CIS bracket back in drawer unit.

- If you have replaced CIS1 (rear), place the trailing edge of the sheet [A] as shown below.

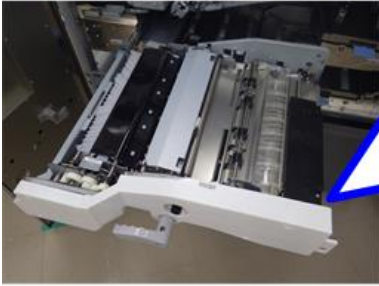


- If you have replaced CIS2 (front), place the trailing edge of the sheet [A] as shown below.

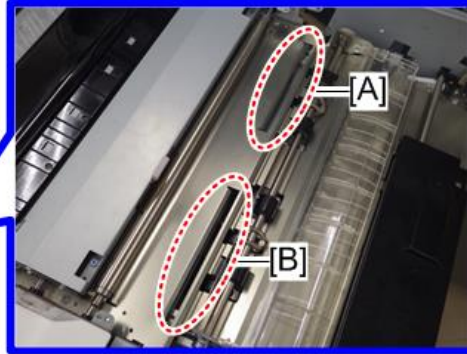


↓ Note

- If you have replaced CIS1, cover the hole [A] with the paper. If you have replaced CIS2, cover the hole [B] with the paper.



m205a0139



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7. Set back the CIS bracket, dust collection tray, cover, and drawer unit. Then close the front doors of imaging section.
8. Turn on the AC power switch and main power switch. Then execute light quantity adjustment.
 - If you have replaced CIS1 (rear), execute SP1-912-002.
 - If you have replaced CIS2 (front), execute SP1-912-001.

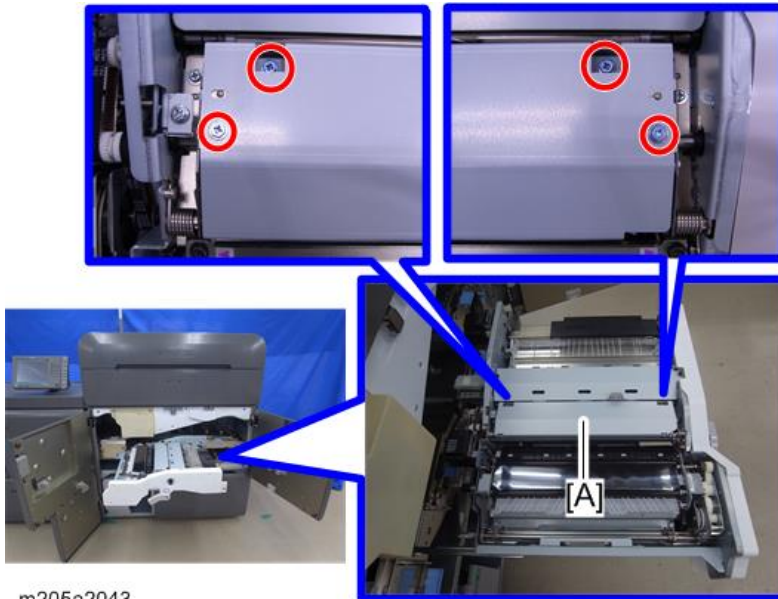
Note

- The result of the light quantity adjustment can be seen with the SP shown below.
 - CIS1: SP1-913-002
 - CIS2: SP1-913-001
9. Remove the paper placed in the drawer unit.

T-ACT Sensor 1, 2

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

2. Cover [A] (⌀ ×4)



m205a2043

3. T-ACT sensor 1 [A] (⌀ ×2, □ ×1)

4. T-ACT sensor 2 [B] (⌀ ×2, □ ×1)



m205a2044

URRB (Double-Feed Sensor: Receptor)

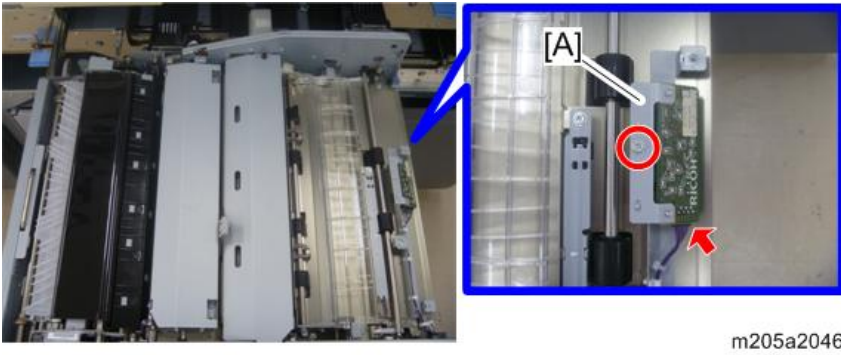
1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

2. Sensor cover [A] (🔩×2)

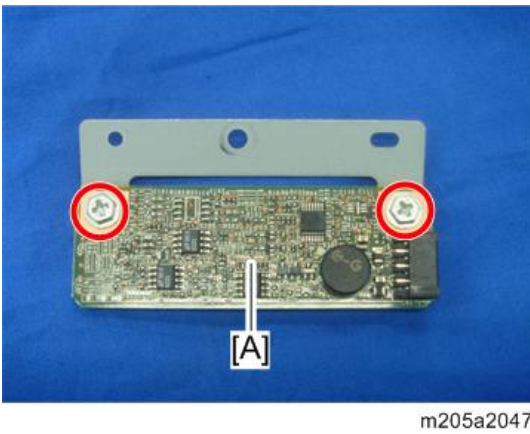


4

3. URRB bracket [A] (🔩×1, 📦×1)



4. Remove URRB [A] from the bracket. (🔩×2)



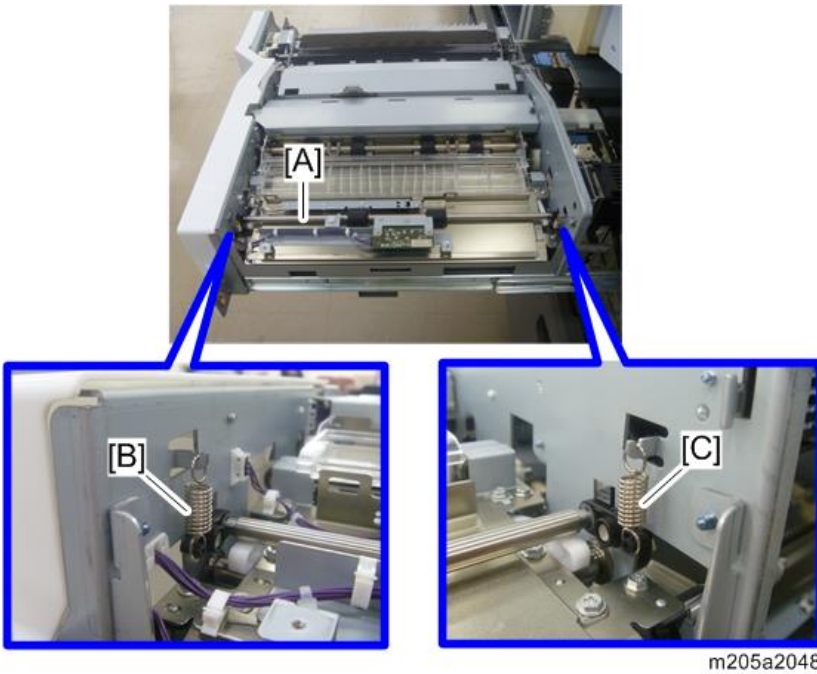
URTB (Double-Feed Sensor: Emitter)

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

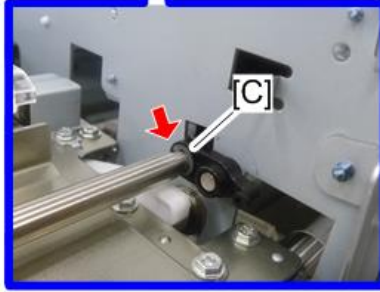
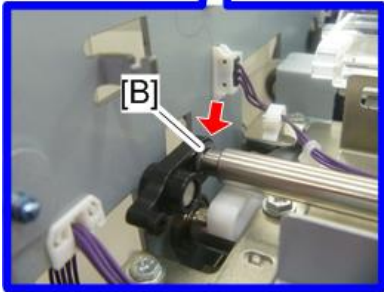
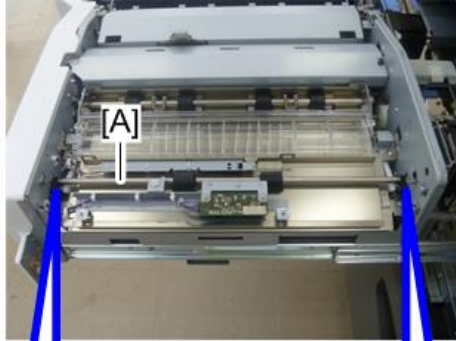
2. Sensor cover [A] (⊗ ×2)



3. Remove spring [B] and [C] of the registration timing roller [A]. (⌘ ×2)

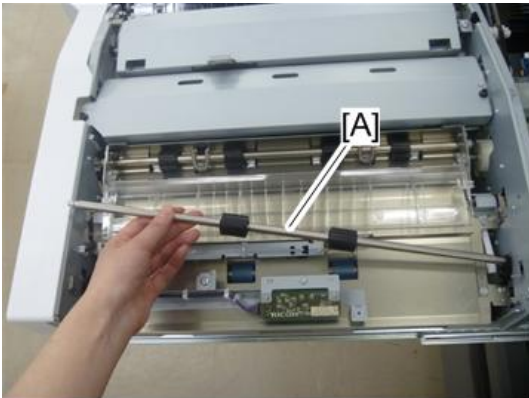


4. Remove E-ring [B] and [C] from the registration timing roller [A]. (Ⓢ)×2



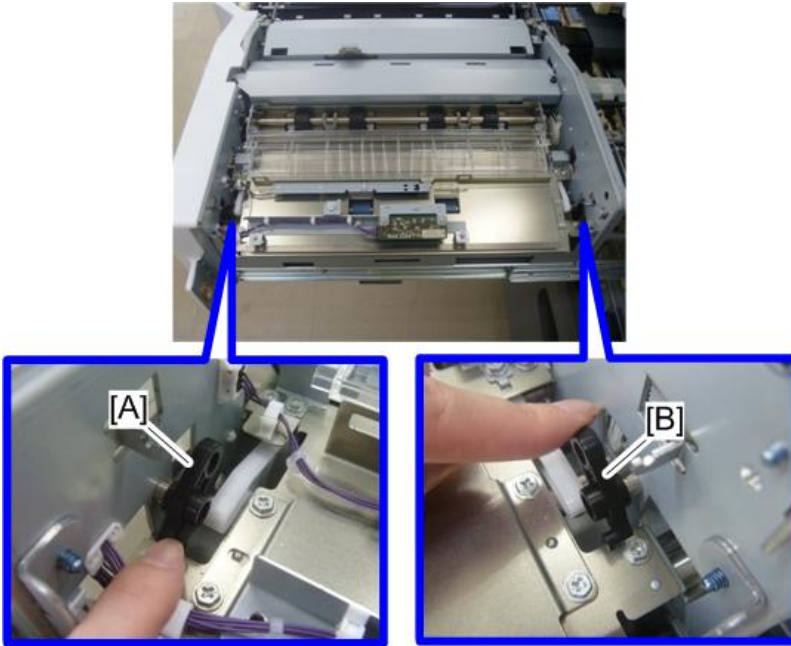
m205a2049

5. Registration timing roller [A]



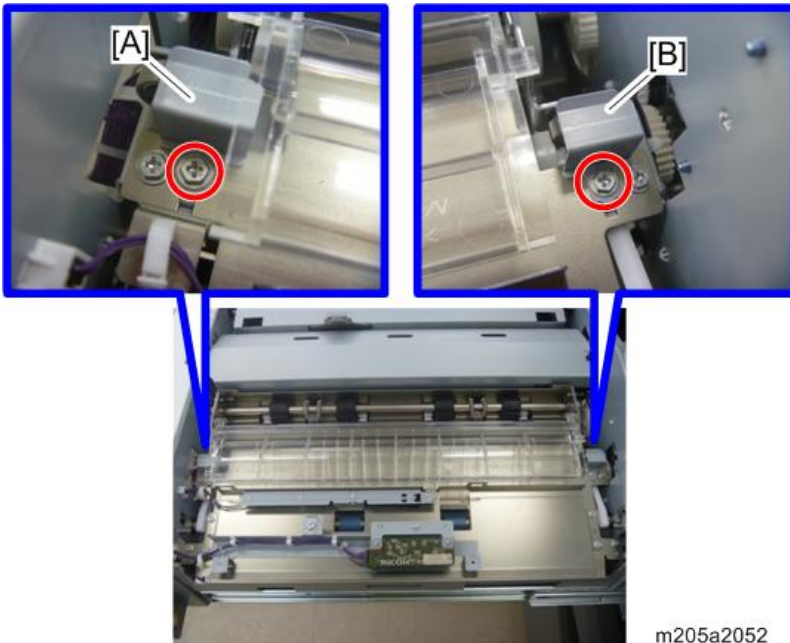
m205a2050

6. Remove the bearings at front [A] and rear [B].



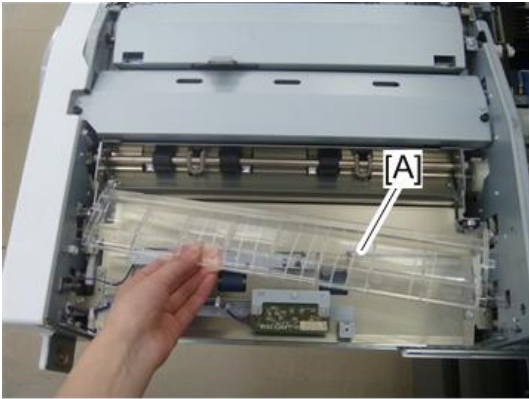
m205a2051

7. Remove lock plate at front [A] and rear [B]. (Ⓜ *2)



m205a2052

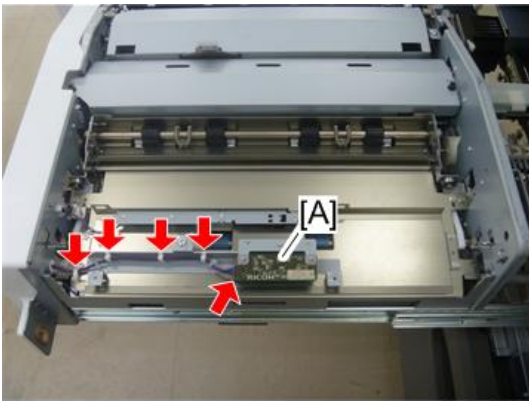
8. Roller cover [A]



m205a2053

4

9. Disconnect the connector and open the clamps of URTB [A]. (🔧 ×1, 🛠️ ×4)



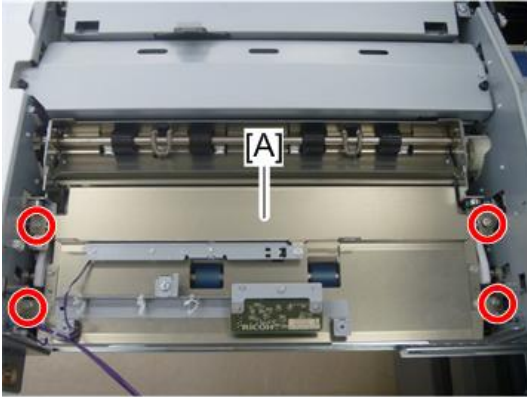
m205a2054

10. Disconnect the connector and open the clamp of registration timing sensor [A]. (🔧 ×1, 🛠️ ×1)



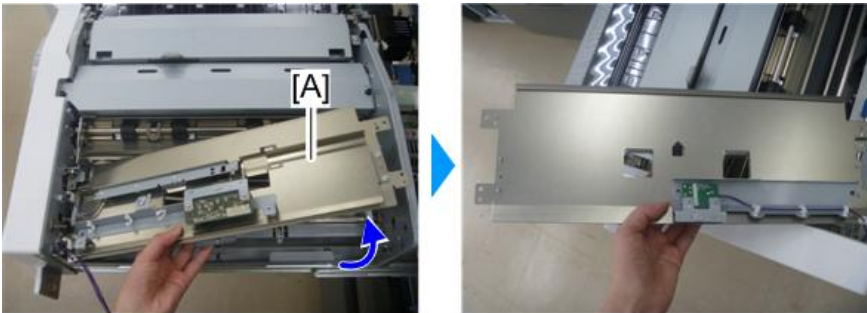
m205a2055

11. Remove the fixing screw of transport guide plate [A]. (🔩×4)



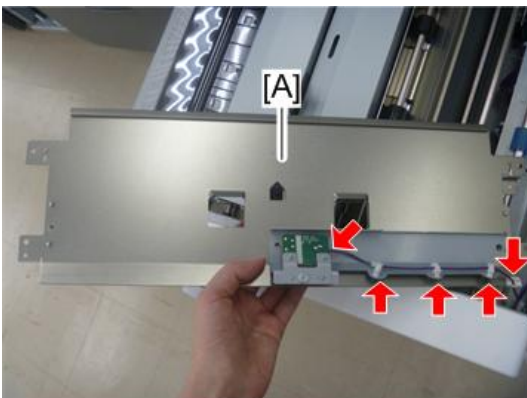
m205a2056

12. Remove the rear side of the transport guide plate [A] from the drawer unit and turn it over.



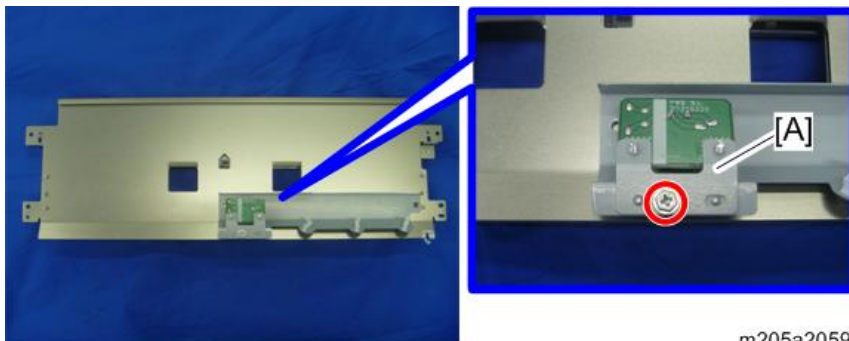
m205a2057

13. Transport guide plate [A] (📦×1, 🛠️×4)



m205a2058

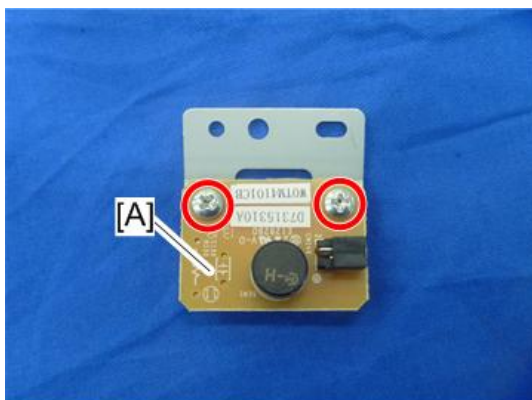
14. Remove URTB bracket [A] from the transport guide plate. (🔧 ×1)



m205a2059

4

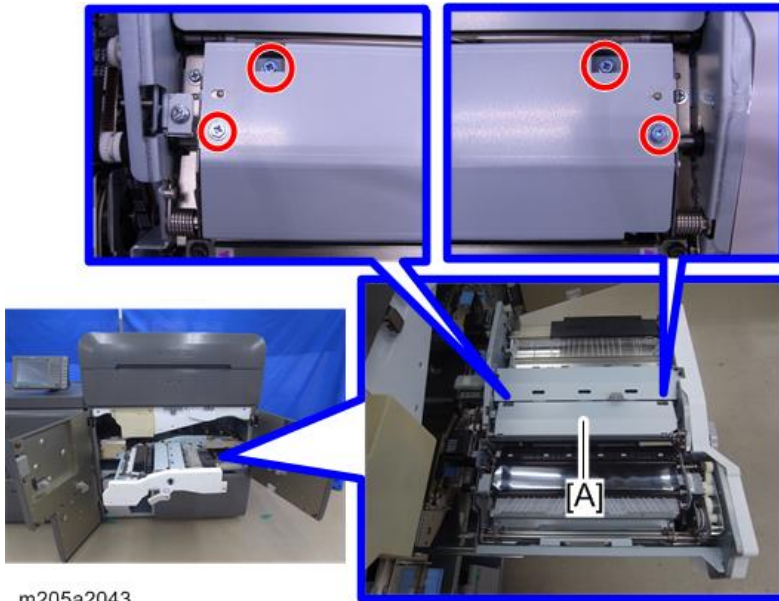
15. Remove URTB [A] from the bracket. (🔧 ×2)



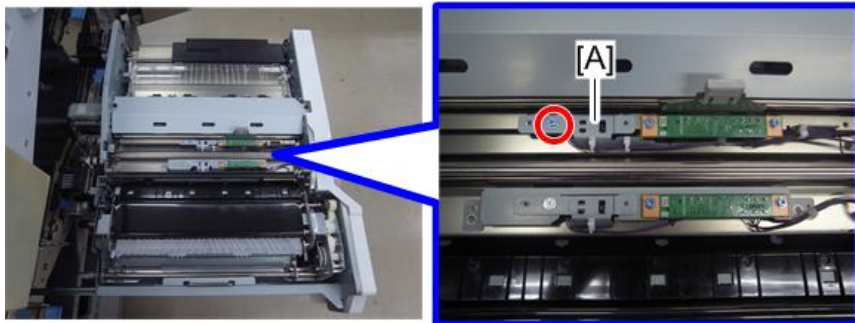
m205a2060

Registration Relay Sensor

1. Withdraw the drawer unit. (page 1061 "Drawer Unit")

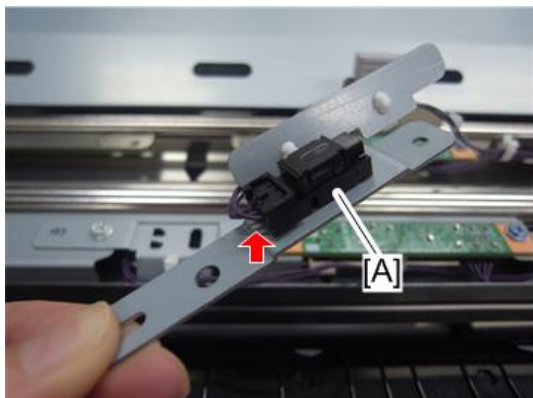
2. Cover [A] (🔩×4)

m205a2043

3. Sensor bracket [A] (🔩×1)

m205a2322

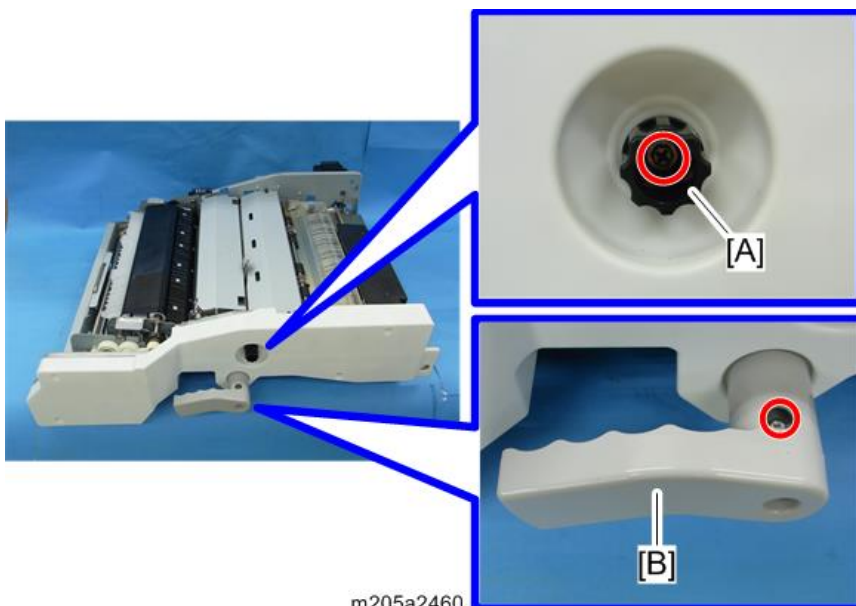
4. Registration relay sensor [A] (🔧 ×1)



m205a2323

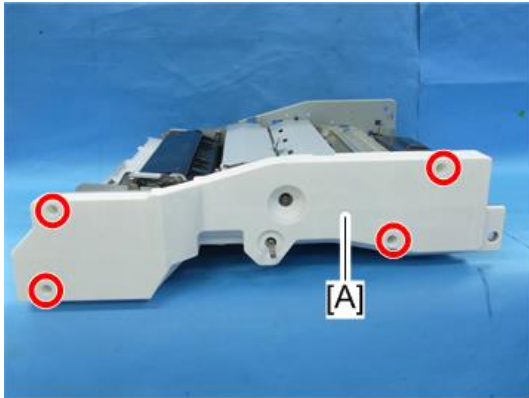
Registration Cooling Fan

1. Drawer unit (page 1061)
2. Remove knob [A] and handle [B] of the drawer unit. (🔧 ×2)



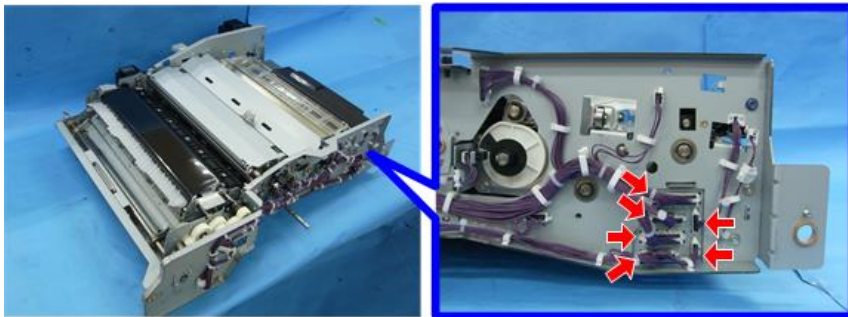
m205a2460

3. Drawer unit inner cover [A] (🔩×4)



m205a2461

4. Disconnect six connectors of the front side. (🔌×6)



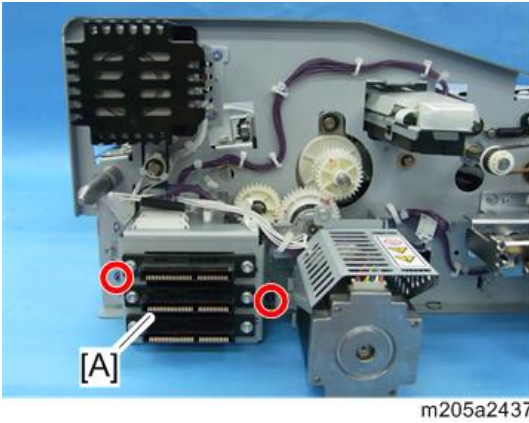
m205a2435

5. Open three clamps and disconnect three connectors at the rear side. (🔌×3, 📦×3)



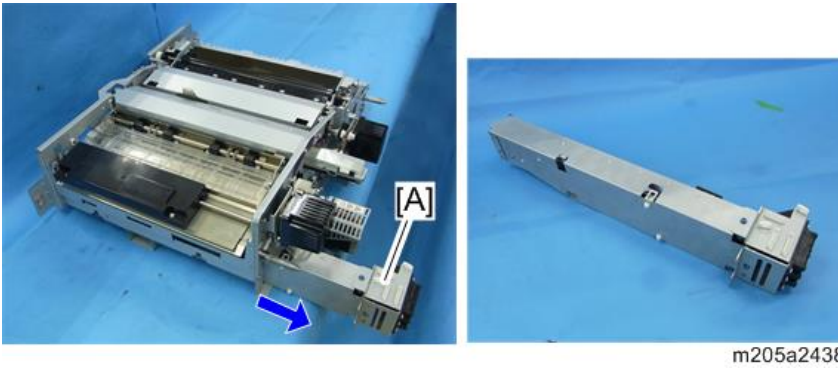
m205a2436

6. Remove the fixing screws of DRB unit [A]. (🔩×2)

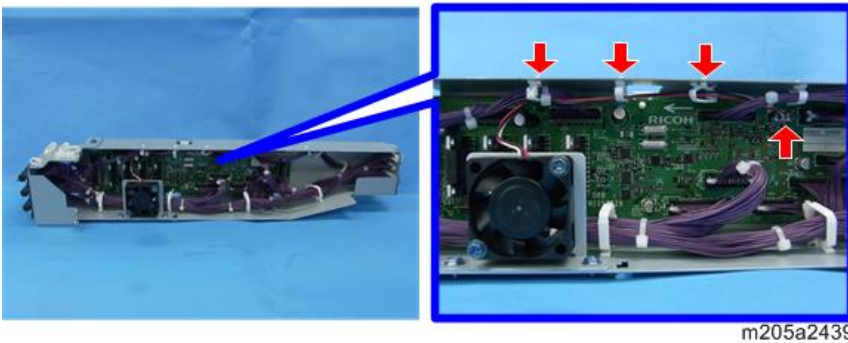


4

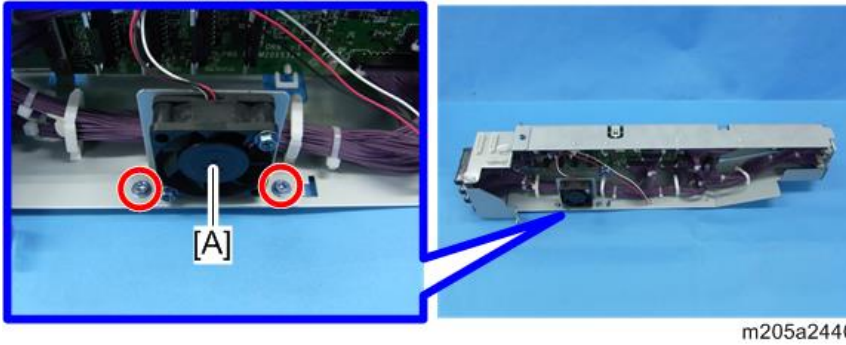
7. Pull the DRB unit [A] out to the rear and remove it.



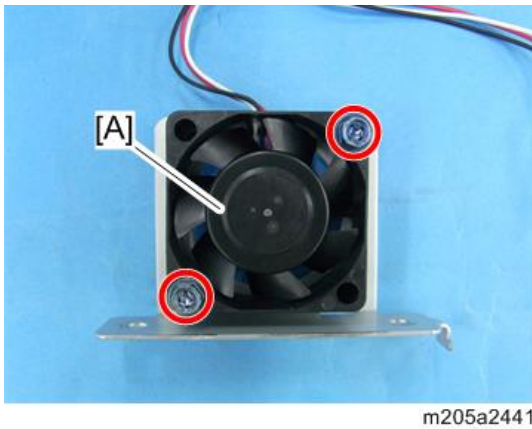
8. Open three clamps and disconnect a connector of the inside of DRB unit. (🔧×3, 📦×1)



9. Cooling fan bracket [A] (🔩×2)

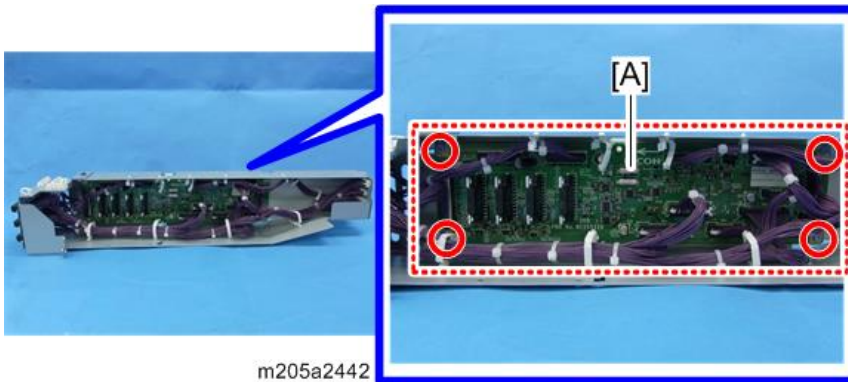


10. Registration cooling fan [A] (🔩×2)



DRB

1. Registration cooling fan (page 1114)
2. DRB [A] (🔩×4, all connected connectors)



Registration Entrance LED

1. Open the front left door [A] and front right door [B] of the imaging section.



m205a2271

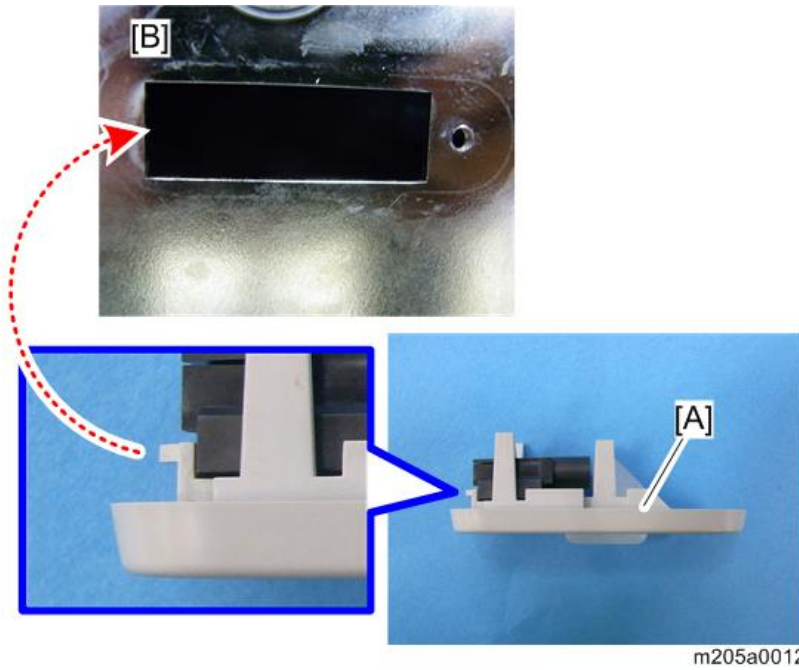
2. LED bracket [A] (🔑 ×1)



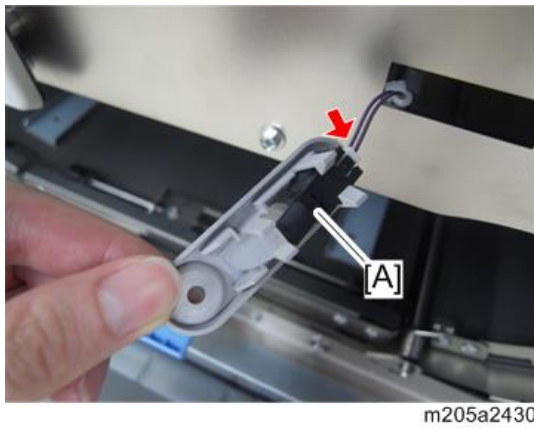
m205a2429

Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Registration entrance LED [A] (📦 ×1)



Registration Unit LED

1. Open the left front door [A] and right front door [B] of the imaging section.



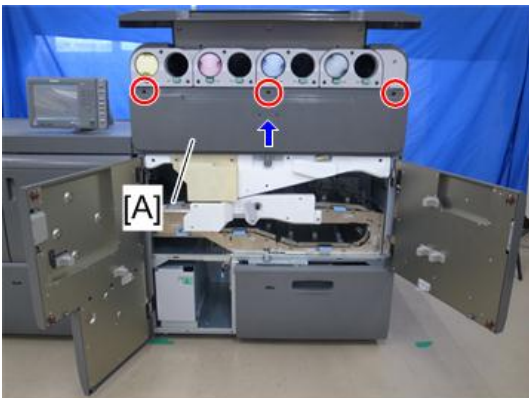
m205a2271

2. Open the toner supply front cover [A].



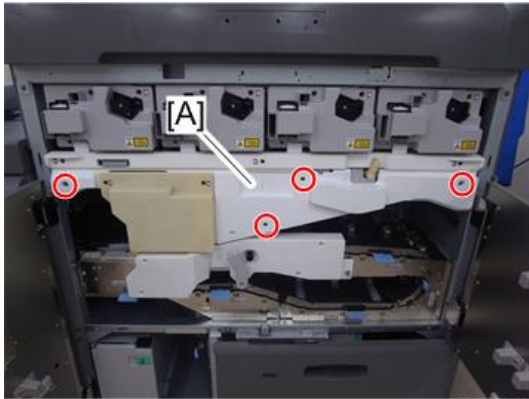
m205a1183

3. Lift the upper front cover [A] and remove it. (⚙️ x3)



m205a1184

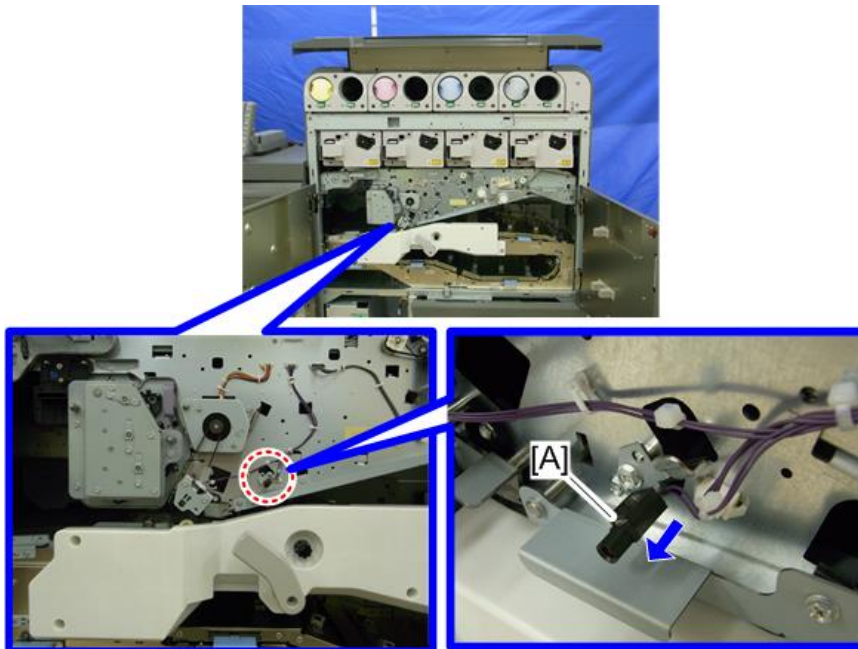
4. Inner cover [A] (⌀ ×4)



m205a0095

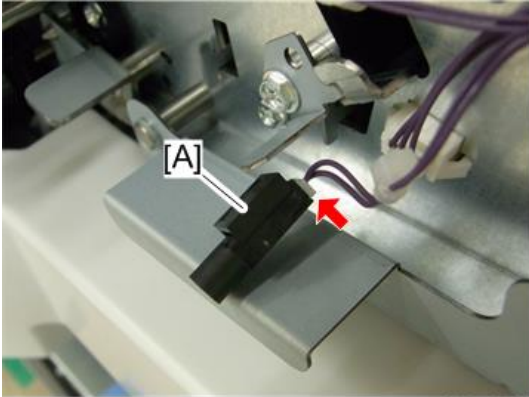
4

5. Pull the registration unit LED [A] towards the arrowed direction as shown below and remove it from the bracket.



m205a2493

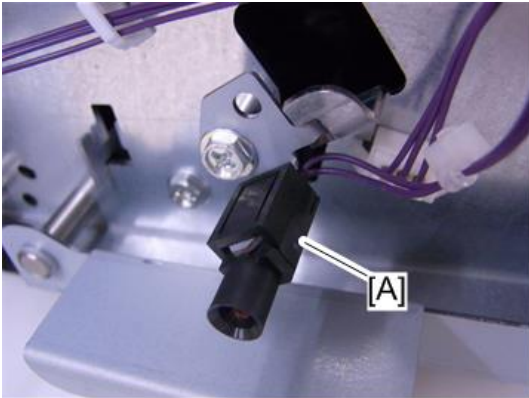
6. Registration unit LED [A] (📦 ×1)



m205a2494

↓ Note

- When installing the registration unit LED [A], be careful about the mounting position. If the LED is installed the wrong way around, LED light is not easily seen.



m205a0007

Paper Transport Belt (PTB) Unit

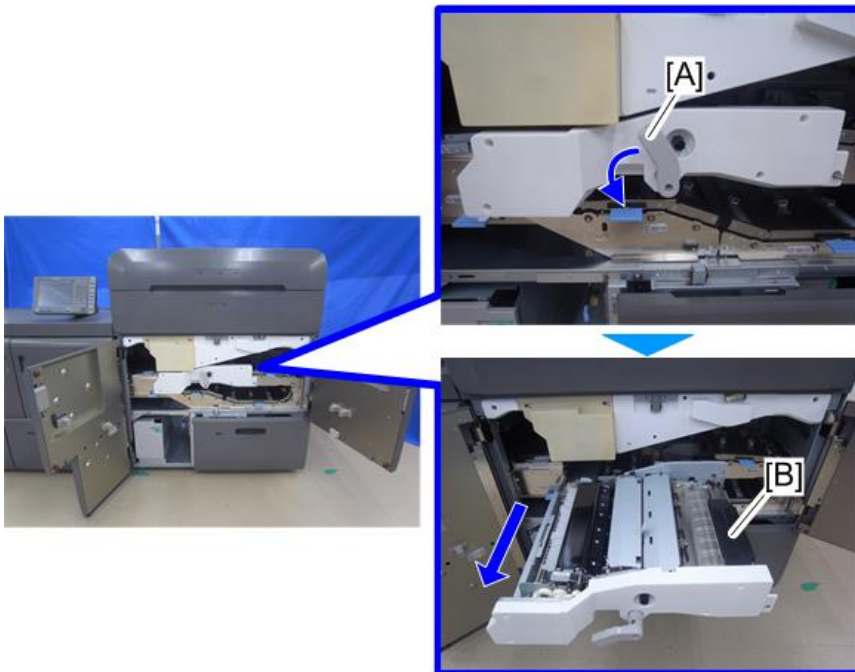
1st Paper Transport Belt (PTB) Unit

1. Open the left front door [A] and right front door [B] of the imaging section.



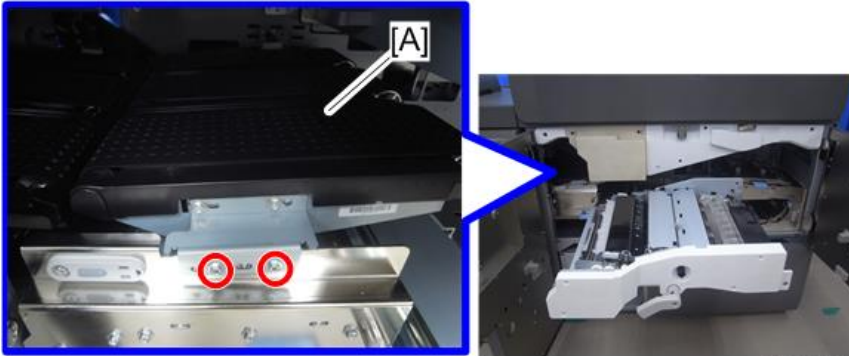
m205a2271

2. Rotate the handle [A] counter-clockwise, and then withdraw the drawer unit [B].



m205a2272

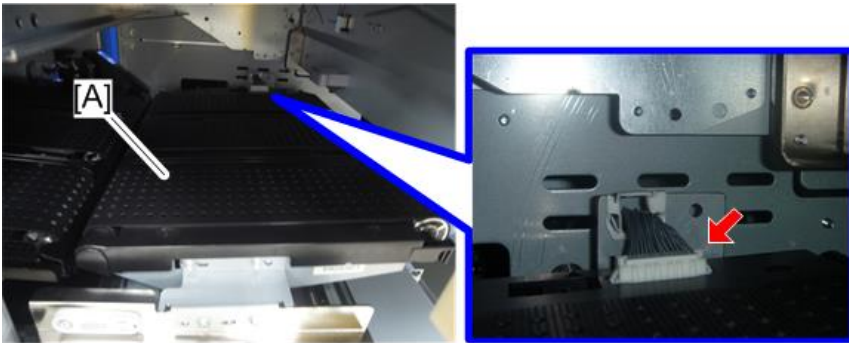
3. Remove the screws fixing the 1st paper transport belt (PTB) unit [A]. (⊙×2)



m205a2092

4

4. To remove the 1st paper transport belt (PTB) unit [A], disconnect the connector attached to the rear side. (⊞×1)



m205a2093

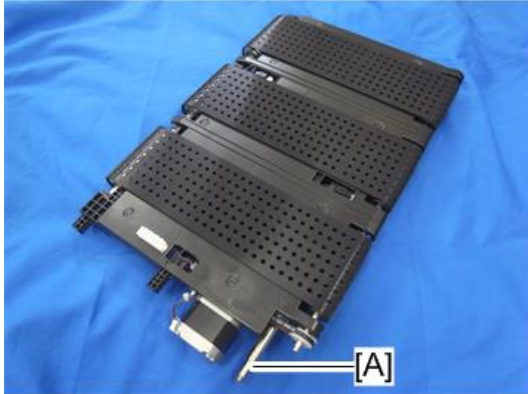
5. Place the 1st paper transport belt (PTB) unit on a flat surface.



m205a2094

↓ Note

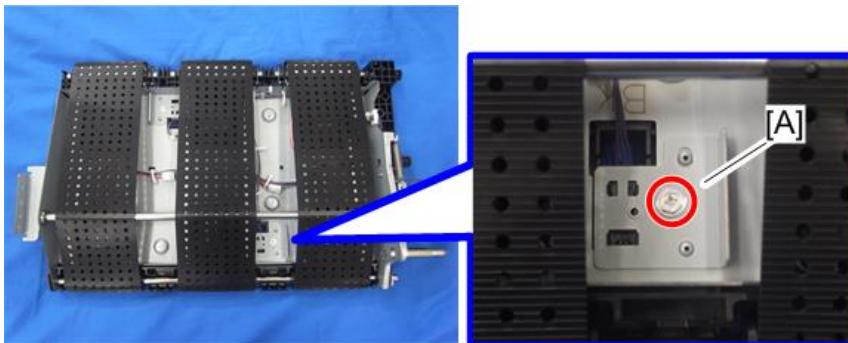
- When installing, the positioning pin [A] of the 1st paper transport belt (PTB) unit must be within the hole in the main machine.



m205a2095

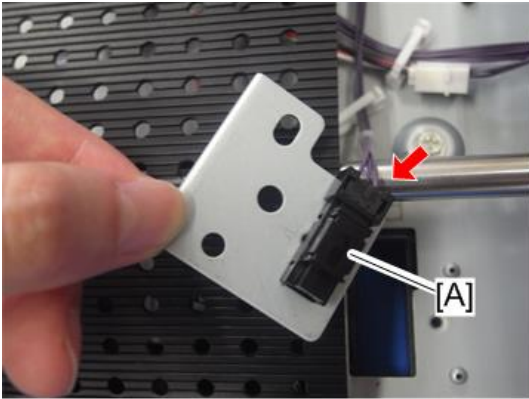
PTB Transport Sensor 1, 2

1. 1st paper transport belt (PTB) unit (page 1123)
2. Turn over the 1st paper transport belt (PTB) unit. Remove the sensor bracket [A] of the PTB transport sensor 1. (⚙️ ×1)



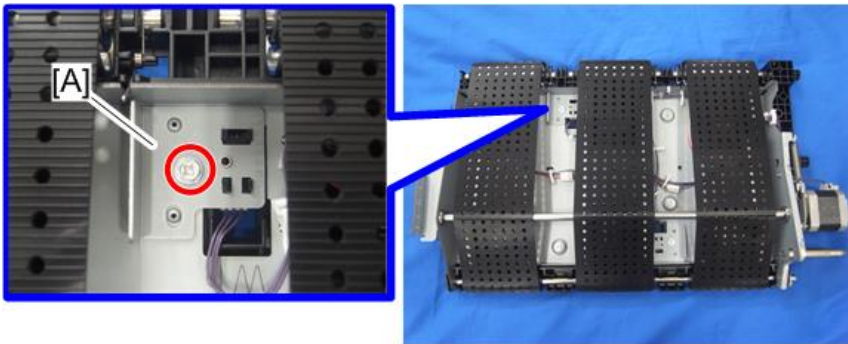
m205a2096

3. PTB transport sensor 1 [A] (📦 x1)



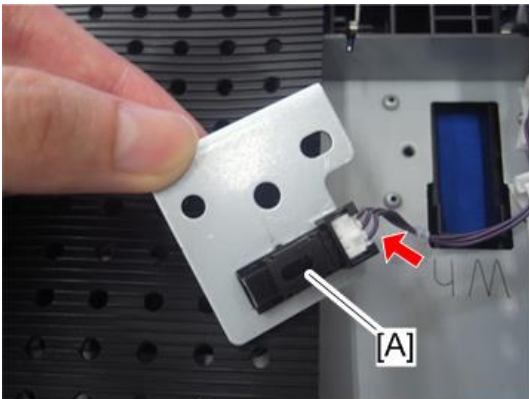
m205a2097

4. Remove the sensor bracket [A] of the PTB transport sensor 2. (🔩 x1)



m205a2098

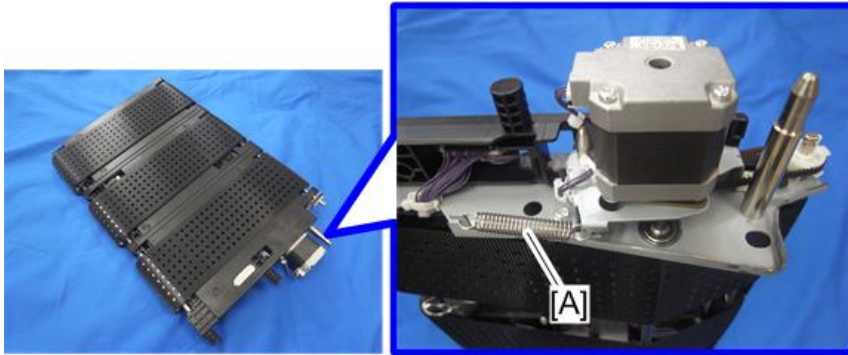
5. PTB transport sensor 2 [A] (📦 x1)



m205a2099

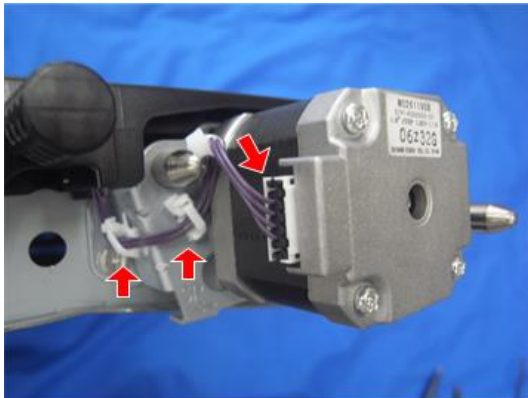
1st PTB Motor

- 1st paper transport belt (PTB) unit (page 1123)
- Remove the spring [A] attached on the rear side. (🌀×1)



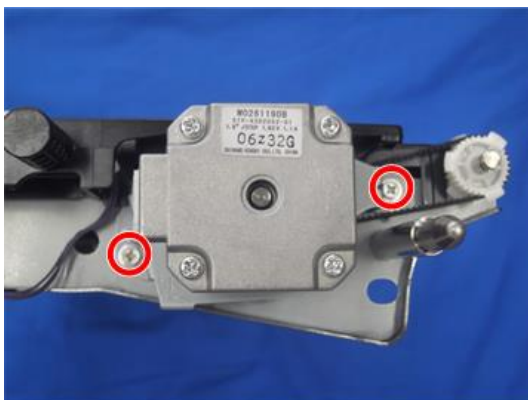
m205a2100

- Open two clamps and disconnect a connector. (🔧×2, 🗑️×1)



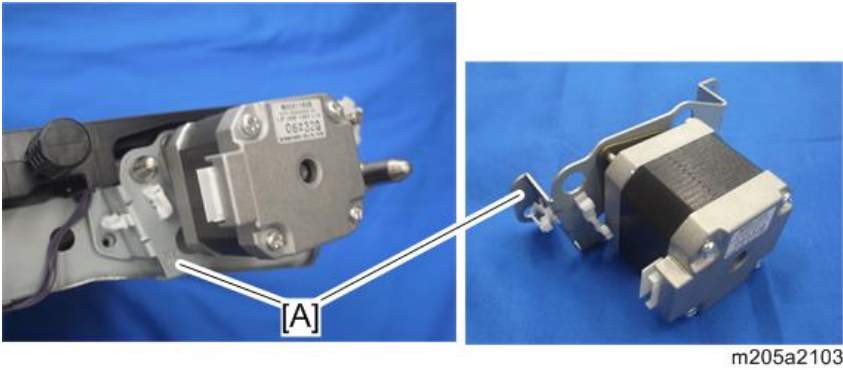
m205a2101

- Remove two screws fixing the motor bracket. (🔩×2)

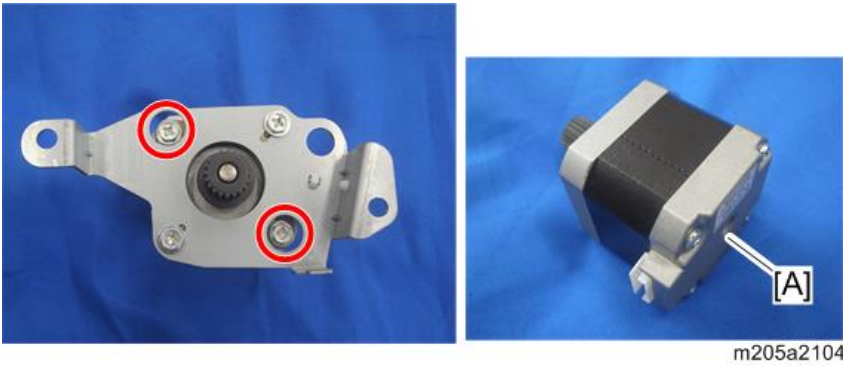


m205a2102

5. Motor bracket [A] (⚙️×1)

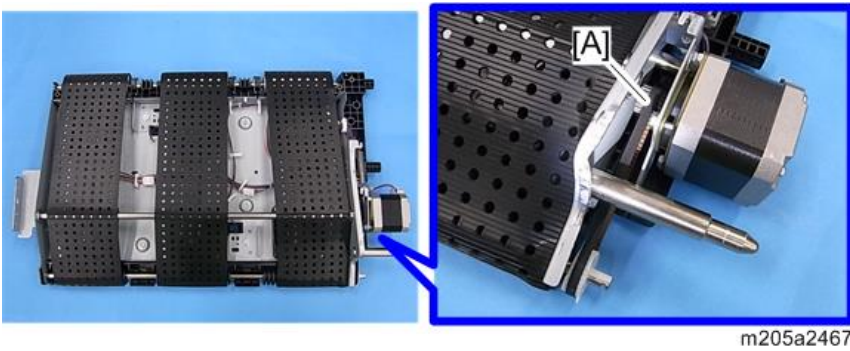


4 6. Remove the 1st PTB motor [A] from the motor bracket. (⚙️×2)



↓ Note

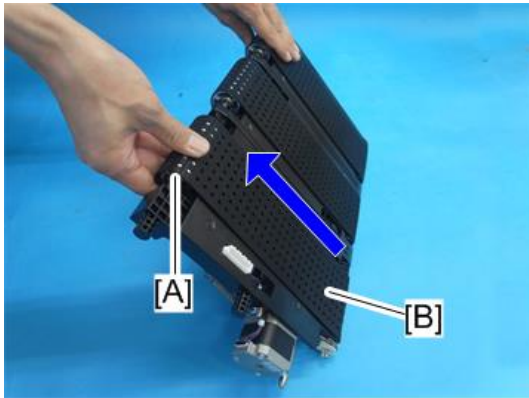
- When installing the 1st PTB motor, make sure that the timing belt [A] is installed correctly.



1st Paper Transport Belt (PTB)

1. 1st paper transport belt (PTB) unit (page 1123)

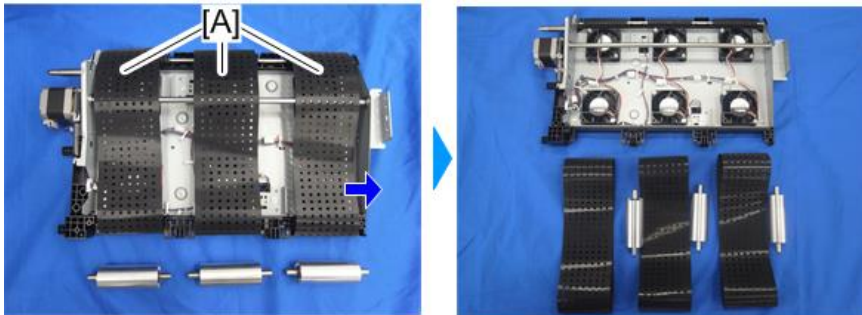
- Pull the roller [A] in the arrowed direction shown below and remove it from the 1st paper transport belt (PTB) [B].



m205a2288

4

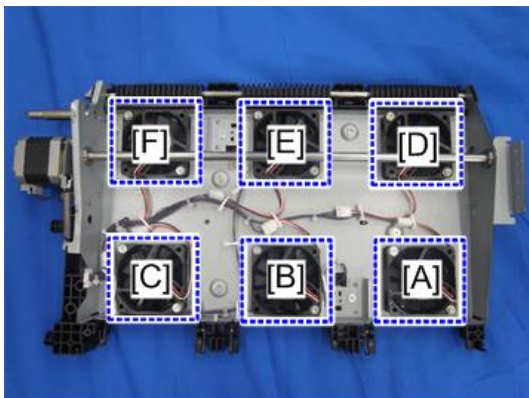
- Slide the 1st paper transport belt (PTB) [A] to the right to remove it.



m205a2282

PTB Fan 1-4, 9, 10

Layout (Fans)

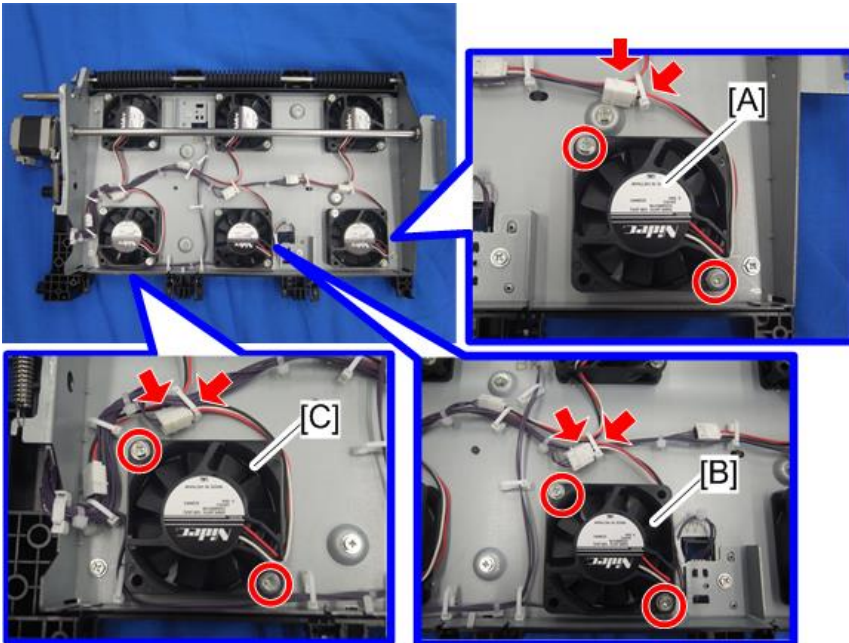


m205a2105

[A]	PTB Fan 1
[B]	PTB Fan 2
[C]	PTB Fan 3
[D]	PTB Fan 4
[E]	PTB Fan 9
[F]	PTB Fan 10

4

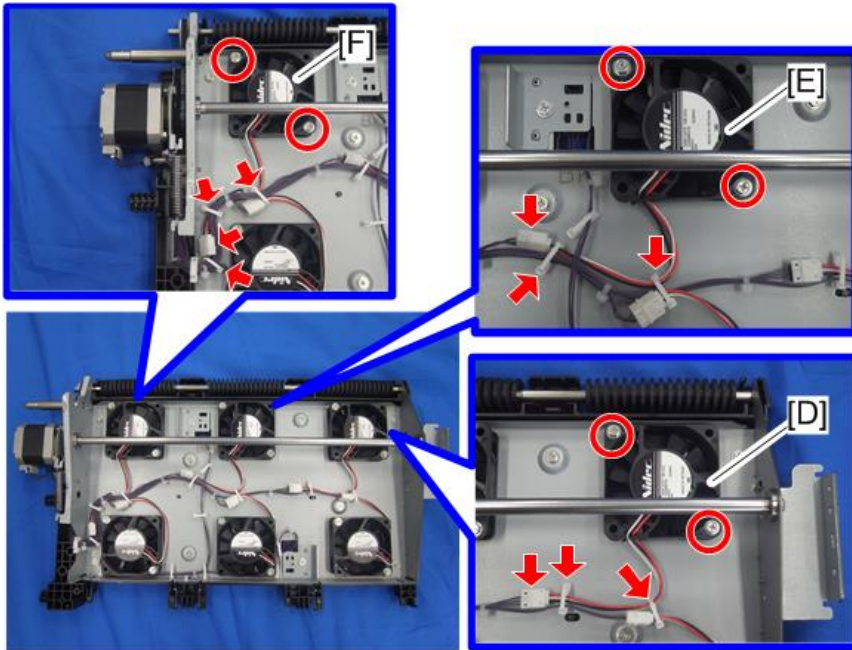
1. 1st paper transport belt (PTB) (page 1128)
2. PTB fan 1 [A] (🔩x2, 🛠x1, 📦 x1)
3. PTB fan 2 [B] (🔩x2, 🛠x1, 📦 x1)
4. PTB fan 3 [C] (🔩x2, 🛠x1, 📦 x1)



m205a2106

5. PTB fan 4 [D] (🔩x2, 🛠x2, 📦 x1)
6. PTB fan 9 [E] (🔩x2, 🛠x2, 📦 x1)

7. PTB fan 10 [F] (🌀×2, 🌀×3, 📦×1)



m205a2107

4

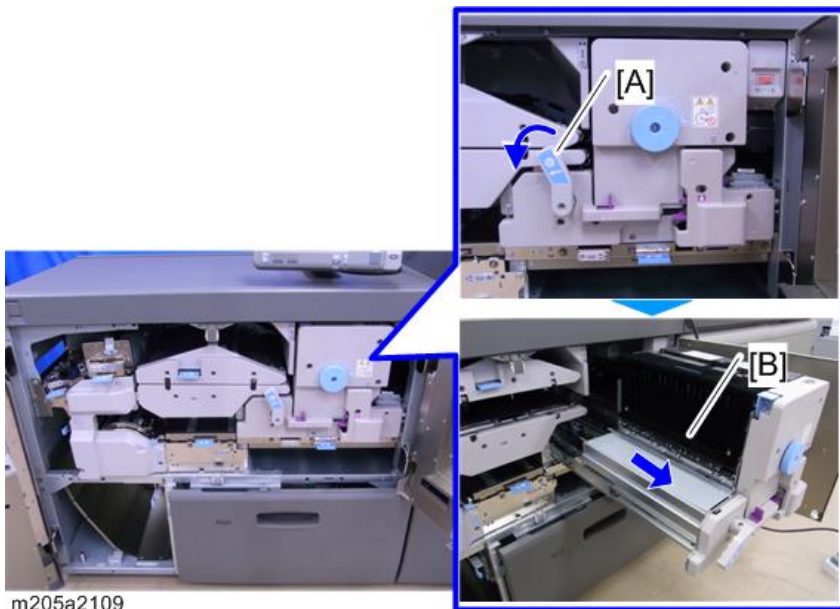
2nd Paper Transport Belt (PTB) Unit

1. Open the left front door [A] and right front door [B] of the fusing section.

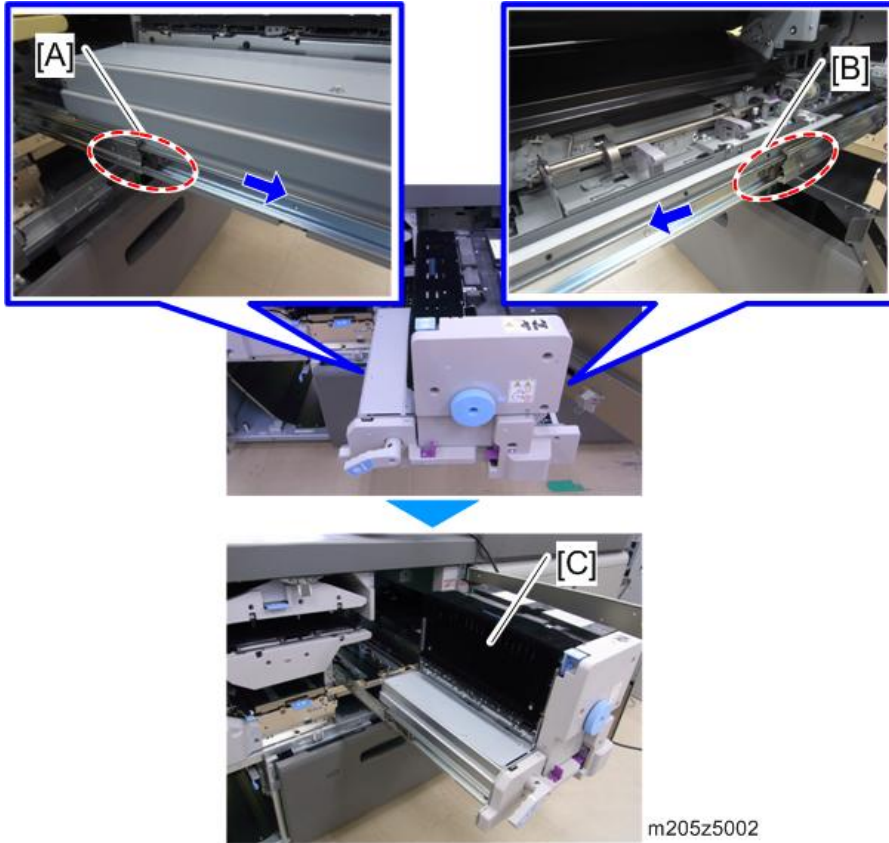


m205z5001

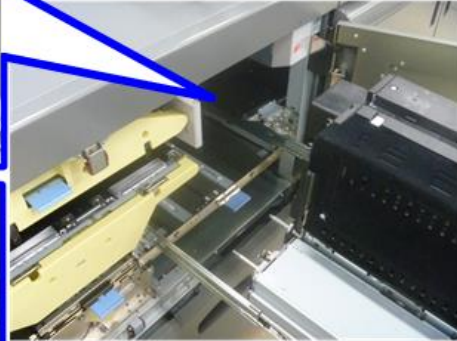
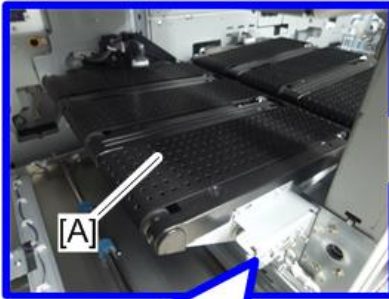
2. Rotate the handle [A] counter-clockwise and pull the fuser unit [B] out.



3. Push and release lock levers [A] and [B] on the fusing unit rail, and then withdraw the fuser unit [C] to the service position.



4. Remove the screws fixing the 2nd paper transport belt (PTB) unit [A]. (⊙ ×2)

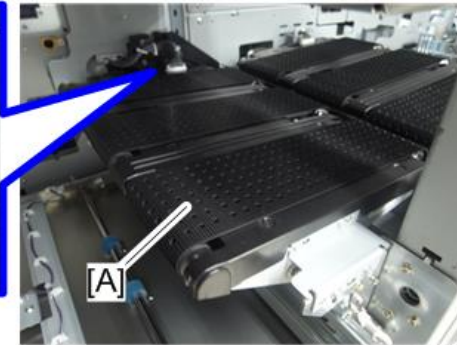
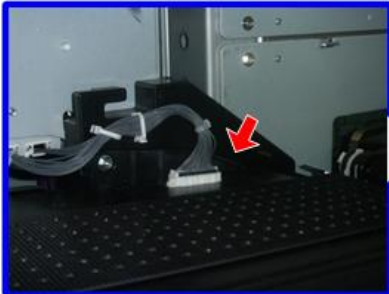


m205a2111



4

5. To remove the 2nd paper transport belt (PTB) unit [A], disconnect the connector attached to the rear side. (⊠ ×1)



m205a2112

6. Place 2nd paper transport belt (PTB) unit on a flat surface.



m205a2113

↓ Note

- When installing, the positioning pin [A] of the 2nd paper transport belt (PTB) unit must be within the hole in the main machine.

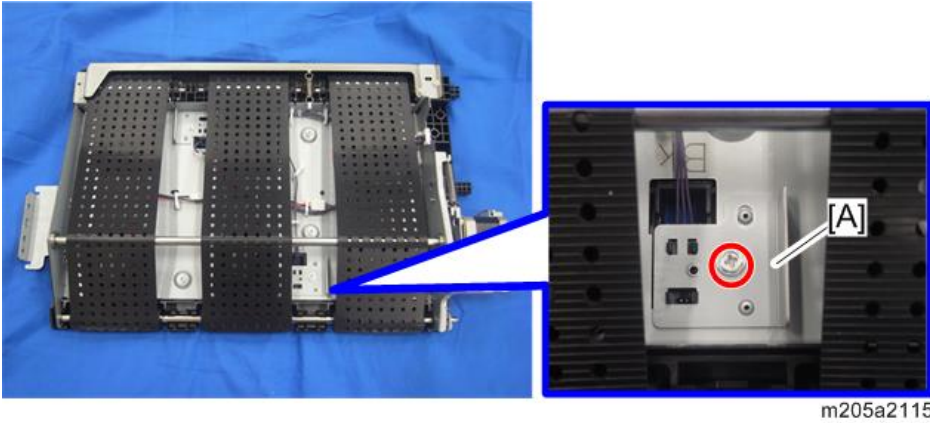


m205a2909

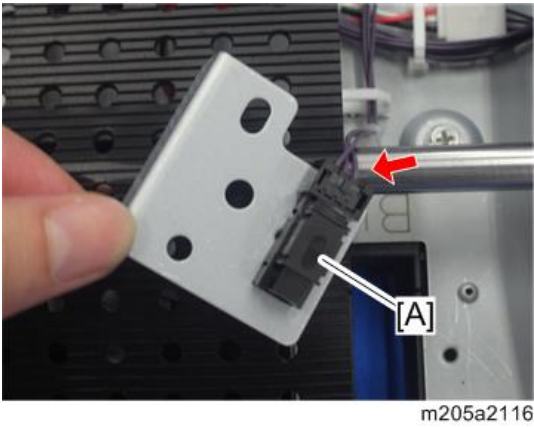
PTB Transport Sensor 3, 4

1. 2nd paper transport belt (PTB) unit (page 1131)

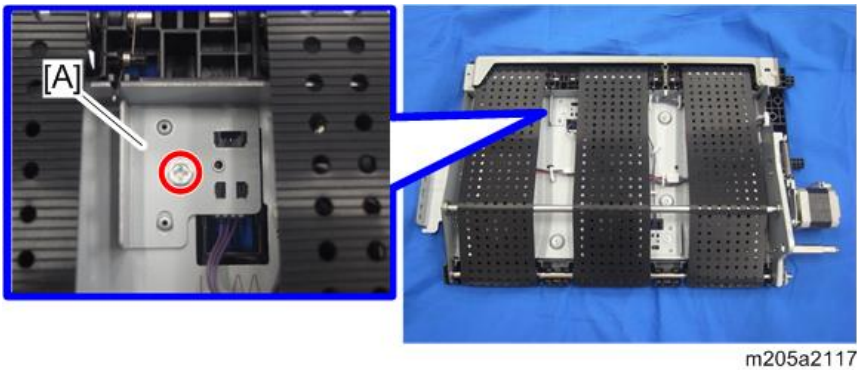
2. Turn over the 2nd paper transport belt (PTB) unit. Remove the sensor bracket [A] of the PTB transport sensor 3. (🔧 ×1)



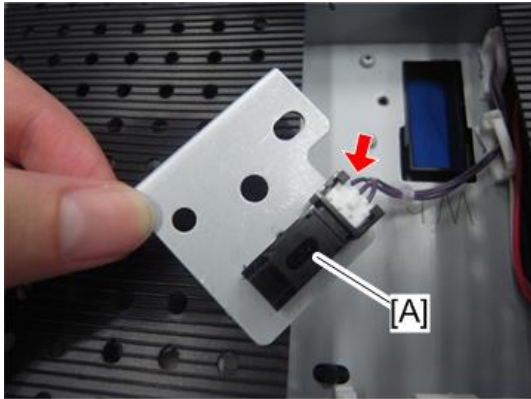
3. PTB transport sensor 3 [A] (📦 ×1)



4. Remove the sensor bracket [A] of the PTB transport sensor 4. (🔧 ×1)



5. PTB transport sensor 4 [A] (📦 x1)

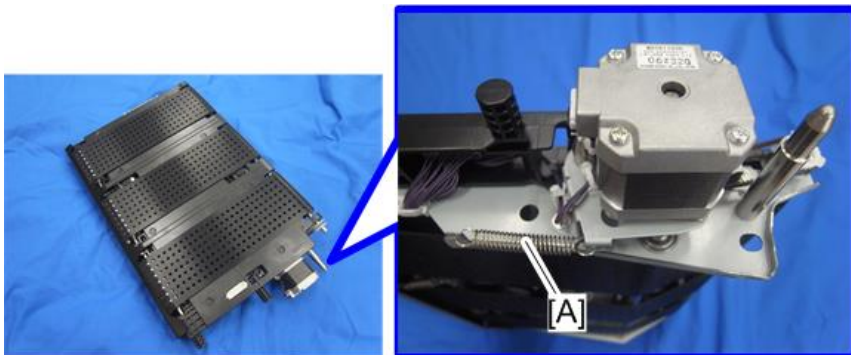


m205a2118

4

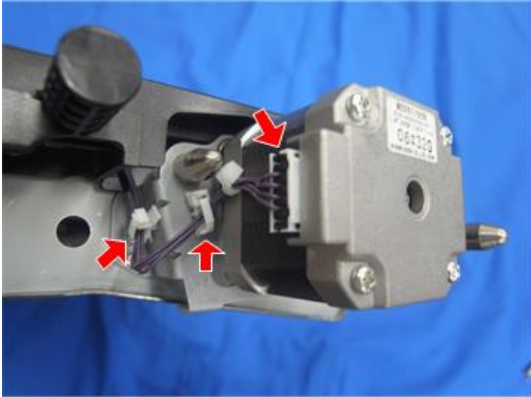
2nd PTB Motor

1. 2nd paper transport belt (PTB) unit (page 1131)
2. Remove the spring [A] attached on the rear side. (🌀 x1)



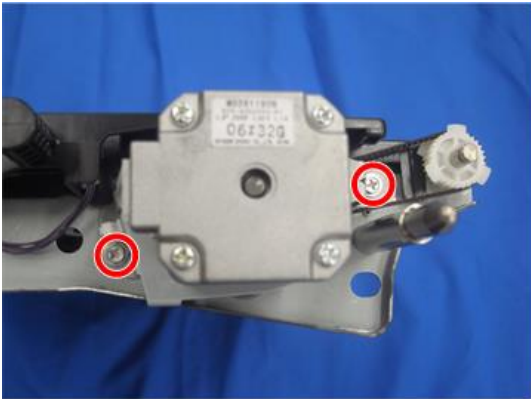
m205a2119

3. Open two clamps and disconnect a connector. (🔧×2, 📦×1)



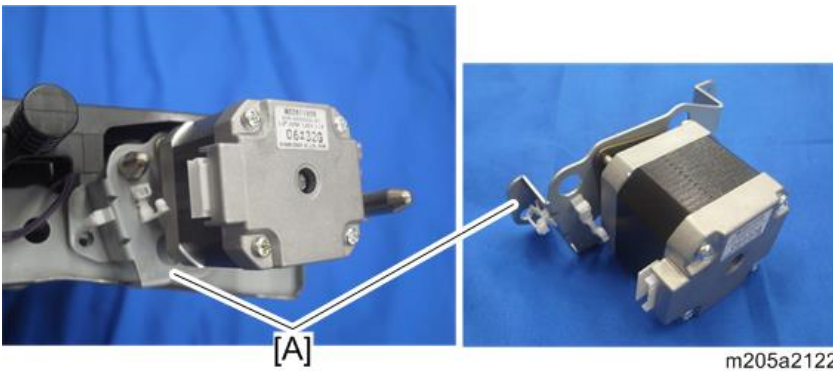
m205a2121

4. Remove two screws fixing the motor bracket. (🔧×2)



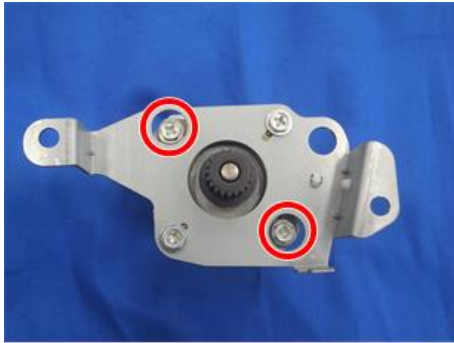
m205a2120

5. Motor bracket [A] (🔧×1)



m205a2122

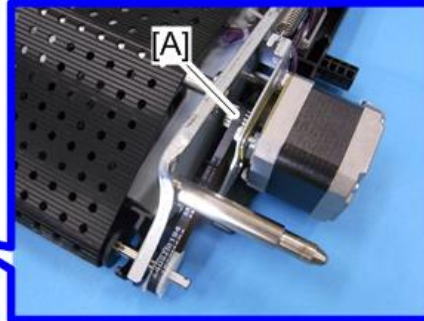
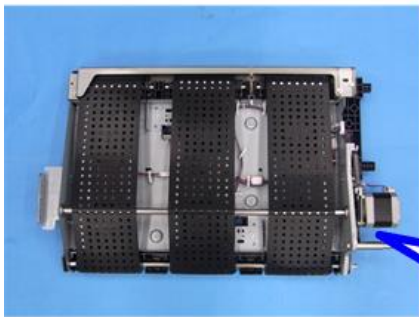
6. Remove the 2nd PTB motor [A] from the motor bracket. (⌀ ×2)



m205a2123

↓ Note

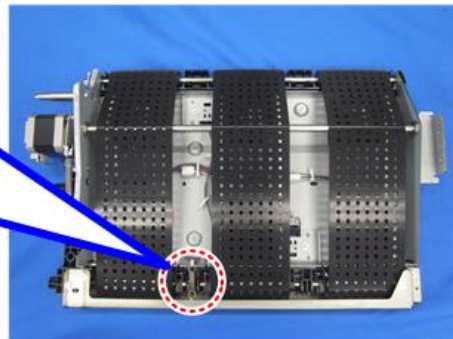
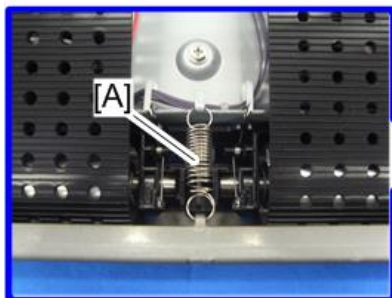
- When installing the 2nd PTB motor, make sure that the timing belt [A] is installed correctly.



m205a2468

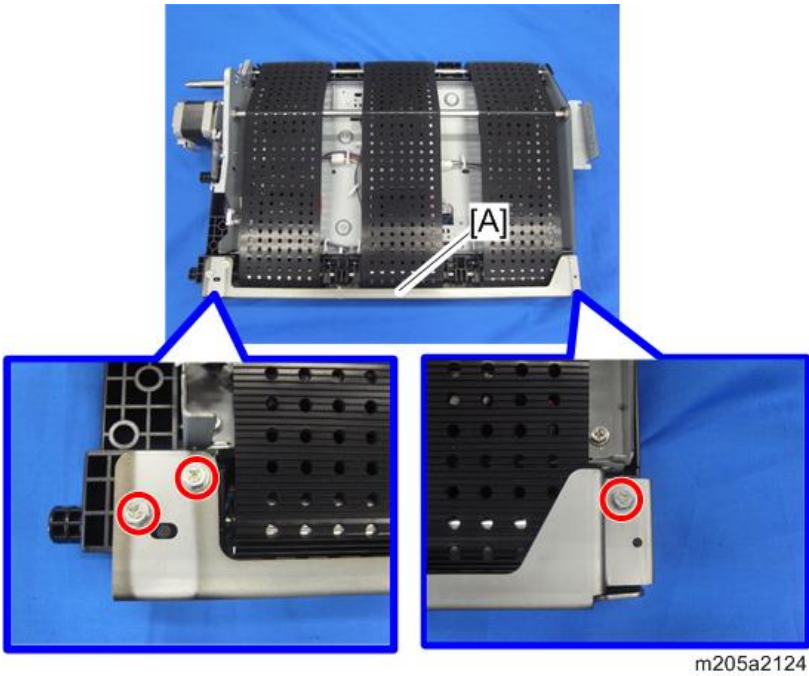
2nd Paper Transport Belt (PTB)

- 2nd paper transport belt (PTB) unit (page 1131)
- Turn over the 2nd paper transport belt (PTB) unit. Remove the spring [A]. (⌀ ×1)

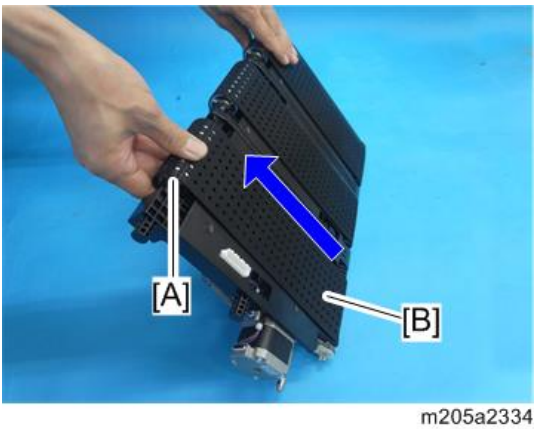


m205a2993

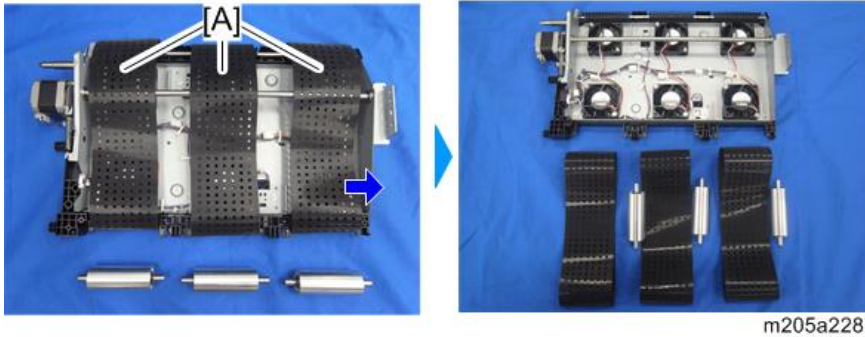
3. Remove guide plate [A]. (⚙️ ×3)



4. Pull the roller [A] in the arrowed direction shown below and remove it from the 2nd paper transport belt (PTB) [B].



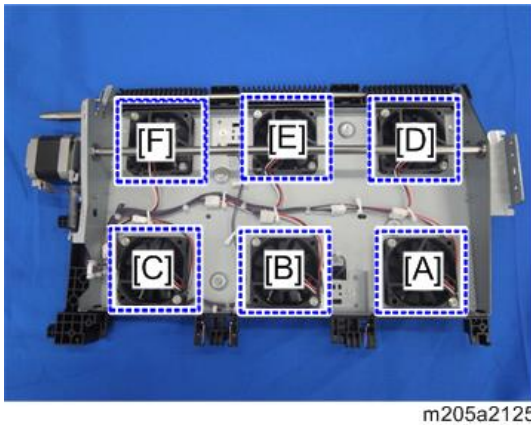
5. Slide the 2nd paper transport belt (PTB) [A] to the right to remove it.



PTB Fan 5-8, 11, 12

4

Layout (Fans)



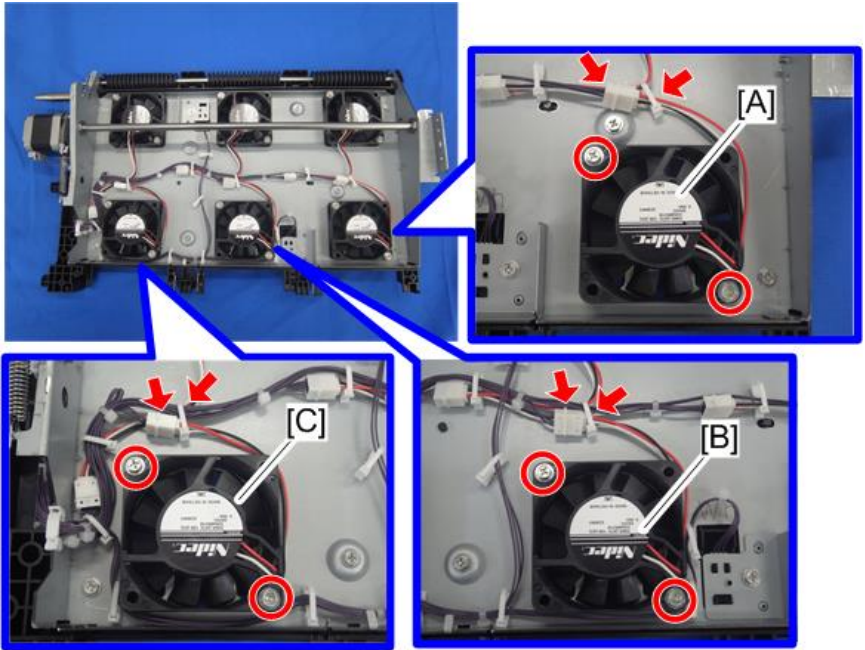
[A]	PTB Fan 5
[B]	PTB Fan 6
[C]	PTB Fan 7
[D]	PTB Fan 8
[E]	PTB Fan 11
[F]	PTB Fan 12

1. 2nd paper transport belt (PTB) (page 1139)

2. PTB fan 5 [A] (🔩×2, 🛠️×1, 📦×1)

3. PTB fan 6 [B] (🔩×2, 🛠️×1, 📦×1)

4. PTB fan 7 [C] (⚙️ ×2, 🛠️ ×1, 📦 ×1)

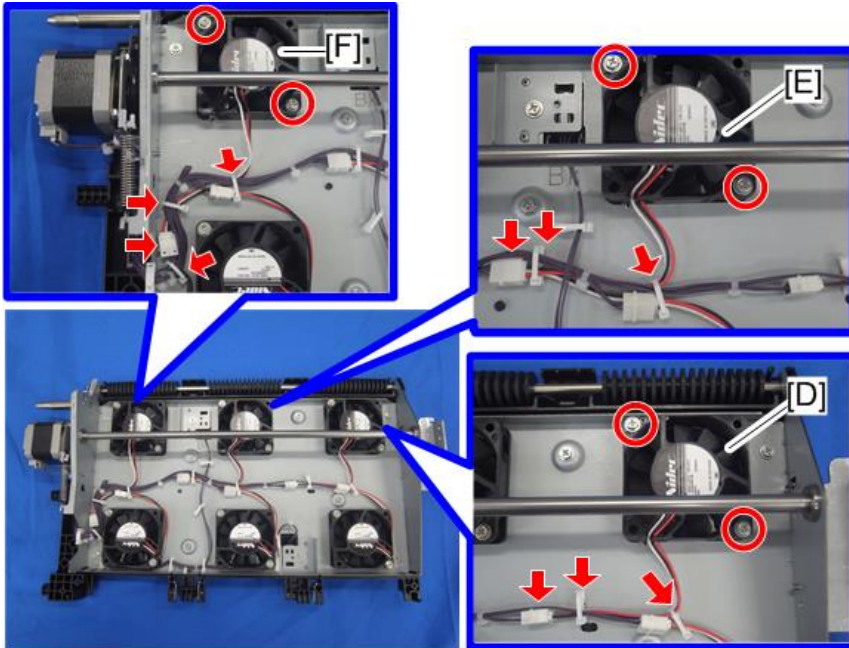


m205a2126

5. PTB fan 8 [D] (⚙️ ×2, 🛠️ ×2, 📦 ×1)

6. PTB fan 11 [E] (⚙️ ×2, 🛠️ ×2, 📦 ×1)

7. PTB fan 12 [F] (🌀×2, 🌀×3, 📦×1)



m205a2127

4

PTB Unit LED

1. Open the left front door [A] and right front door [B] of the imaging section.



m205a2271

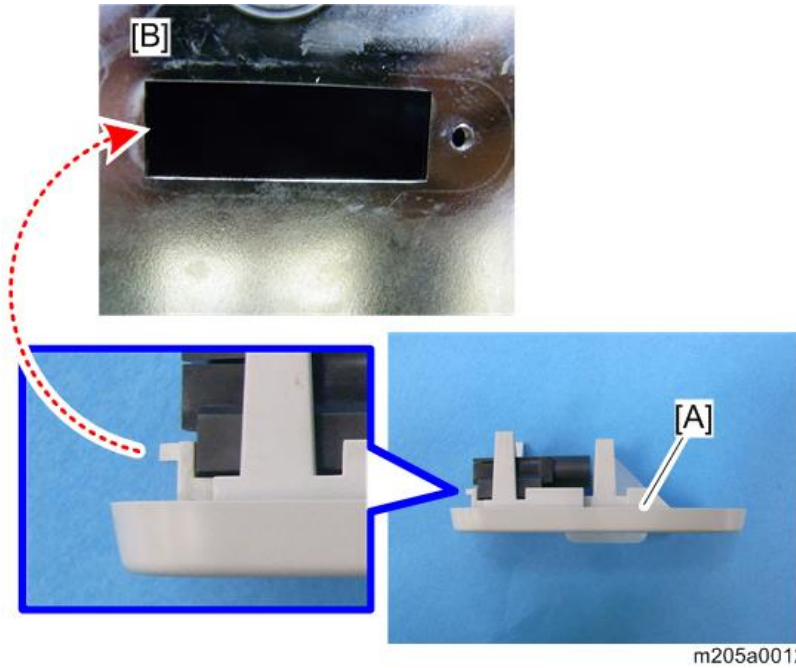
2. Bracket [A] (🔩×1)



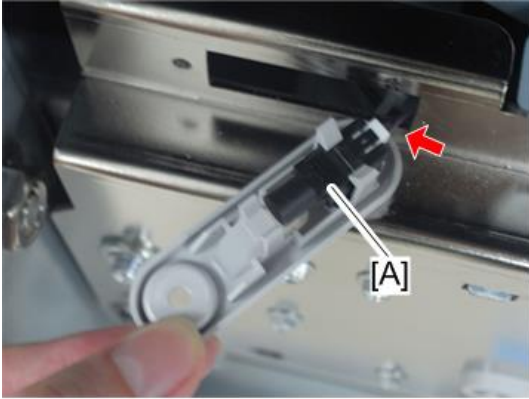
4

↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Remove the PTB unit LED [A] from the bracket. (📦 ×1)



m205a2129

Fuser Unit

⚠ WARNING

- Turn off the power switch with the procedure shown below before performing replacement operations.
 1. Turn off the main power switch.
 2. Turn off the AC power switch.
 3. Disconnect the two power cords (one is located at rear of imaging section, one is located at rear of fusing section) from the power plug.

⚠ CAUTION

- The fuser unit becomes extremely hot during operation. Since touching the high temperature component risks burns, perform the replacement operations after a temperature inside the machine is sufficiently dropped.

4











Fuser Unit: Screw List











Due to the large number of screws and its type used in the fuser unit, a list of the screws is shown below.





No.	Name	Picture	Illustration
1	FLANGED HEXAGONAL HEAD BOLT: M4×8 (TCRU)	 m205z5300	 M4x8(TCRU)
2	SCREW: FIX: POLISH (TCRU)	 m205z5304	 Polish(TCRU)

No.	Name	Picture	Illustration
3	TAPPING SCREW - M3x6	 <p>m205z5322</p>	 <p>M3x6(Tapping)</p>
4	TAPPING SCREW - M4x8	 <p>m205z5307</p>	 <p>M4x8(Tapping)</p>
5	SCREW - M3x6	 <p>m205z5305</p>	 <p>M3x6</p>
6	SCREW - M4x6	 <p>m205z5302</p>	 <p>M4x6</p>
7	SCREW: M4x8	 <p>m205z5301</p>	 <p>M4x8</p>

No.	Name	Picture	Illustration
8	HEXAGONAL BOLT: W/WASHER: M3×8	 <p>m205z5319</p>	 <p>M3x8(Double)</p>
9	SCREW: SPRING WASHER: ROUND POINT: M4×10	 <p>m205z5320</p>	 <p>M4x10(Double)</p>
10	HEXAGONAL BOLT: DOUBLE SCREW: M4×12	 <p>m205z5311</p>	 <p>M4x12(Double)</p>
11	SCREW - M3×4	 <p>m205z5303</p>	 <p>M3x4(Bind)</p>
12	BIND SCREW - M3×6	 <p>m205z5317</p>	 <p>M3x6(Bind)</p>

No.	Name	Picture	Illustration
13	SCREW: M3×8	 <p>m205z5314</p>	 <p>M3x8(Bind)</p>
14	SCREW - M4×6	 <p>m205z5323</p>	 <p>M4x6(Bind)</p>
15	SCREW: M4×40	 <p>m205z5324</p>	 <p>M4x40(Bind)</p>
16	SCREW - M3×6	 <p>m205z5308</p>	 <p>M3x6(Round)</p>
17	SCREW: POLISHED ROUND/ SPRING: M3×10	 <p>m205z5313</p>	 <p>M3x10(Round)</p>

No.	Name	Picture	Illustration
18	SCREW - M4×8	 <p>m205z5318</p>	 <p>M4x8(Round)</p>
19	SCREW: POLISHED ROUND: M5×14	 <p>m205z5312</p>	 <p>M5x14(Round)</p>
20	SCREW M3×6	 <p>m205z5315</p>	 <p>M3x6(Flat)</p>
21	SHOULDER SCREW - M3	 <p>m205z5309</p>	 <p>M3(Stepped)</p>
22	STEPPEDSCREW - M3.5	 <p>m205z5316</p>	 <p>M3.5(Stepped)</p>

No.	Name	Picture	Illustration
23	SCREW: TRANSFER/ SEPARATION	 m205z5321	 Transfer(Stepped)
24	SCREW: DIA3.4: M3	 m205z5310	 dia3.4 M3(Stepped)

Fuser Unit (Service Position)

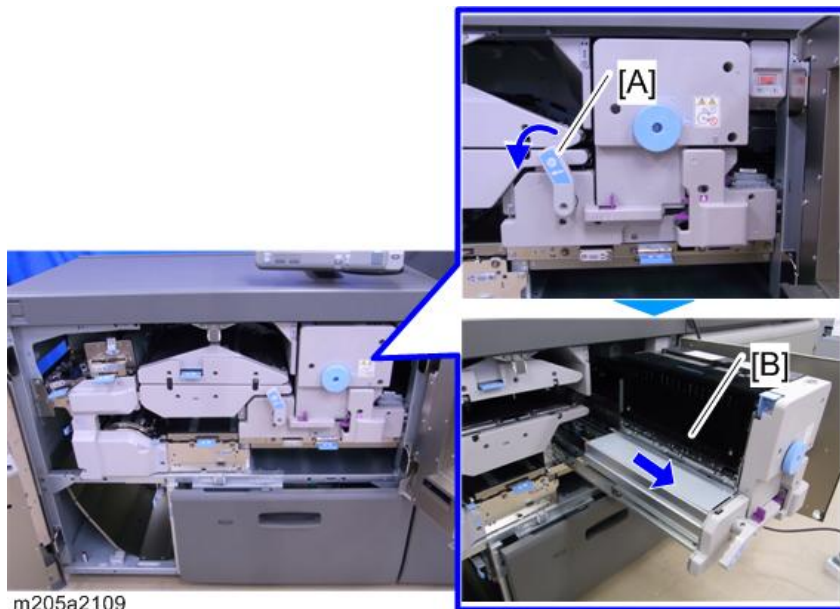
When replacing the parts of the fuser unit, pull the fuser unit out up to the service position.

1. Open the left front door [A] and right front door [B] or the fusing section.

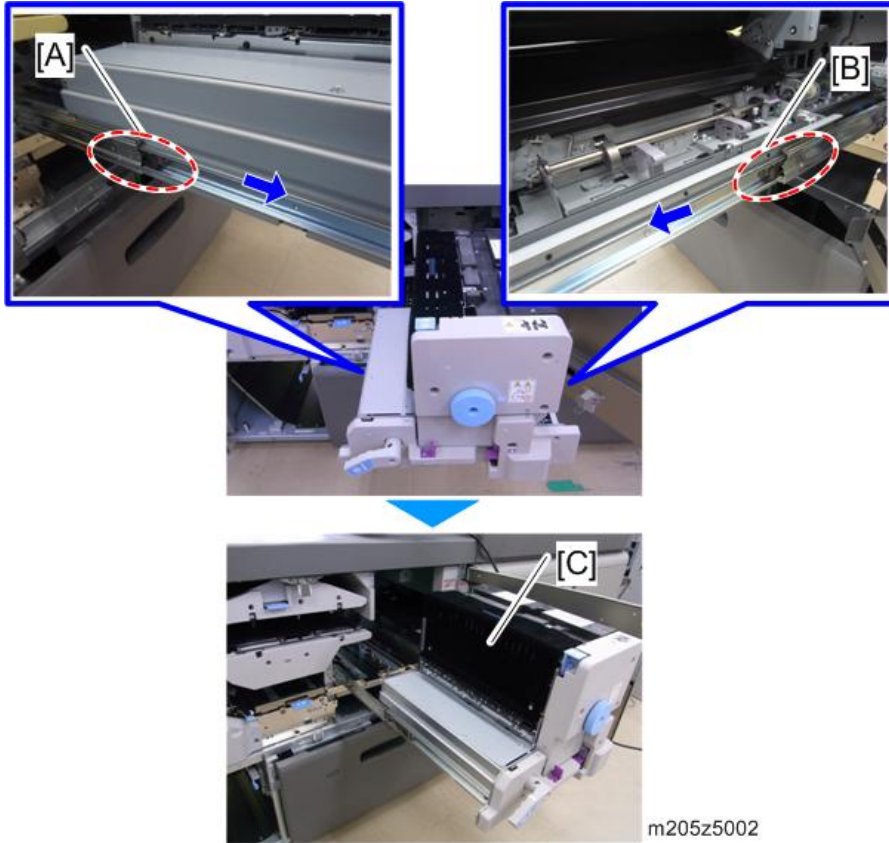


m205z5001

2. Rotate the handle [A] counter-clockwise and withdraw the fuser unit [B].



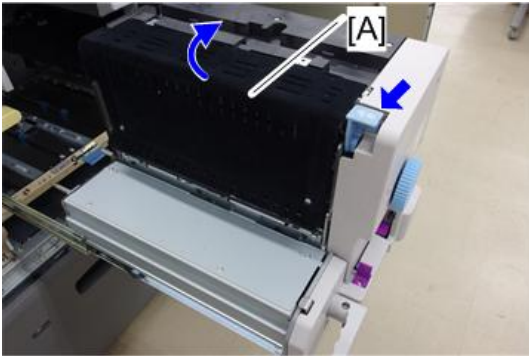
3. Press the release levers [A] and [B], and then withdraw the fuser unit [C] forward (service position).



Fusing Cover

1. Withdraw the fuser unit to the service position. (page 1151)

2. Fusing cover [A]



m205z5025

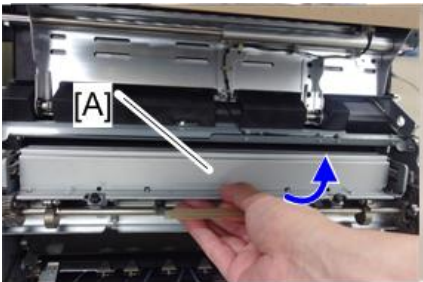
4

3. Loosen the fixing screws of the fuser belt smoothing roller unit [A]. (⚙️×2)



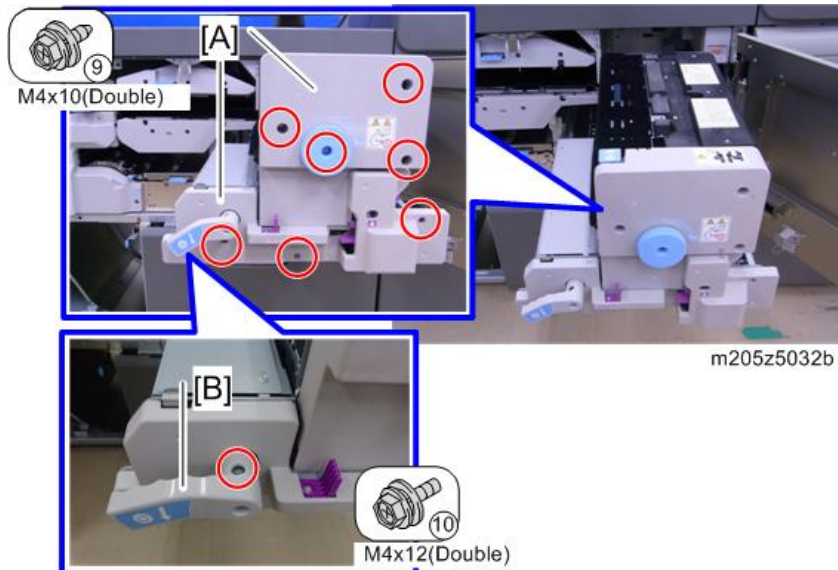
m205z5023b

4. Hold the grip and remove the fuser belt smoothing roller unit [A].

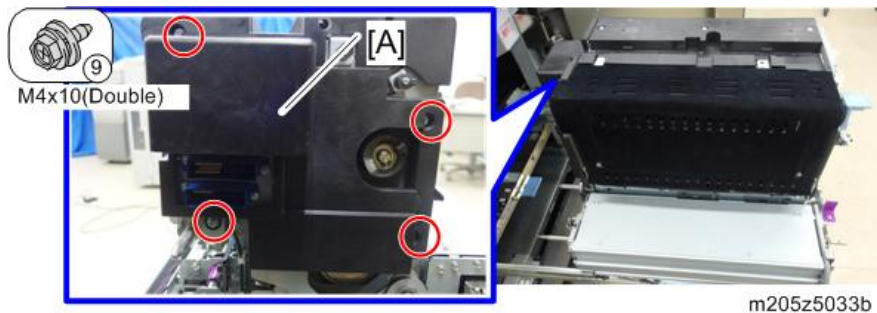


m205z5030

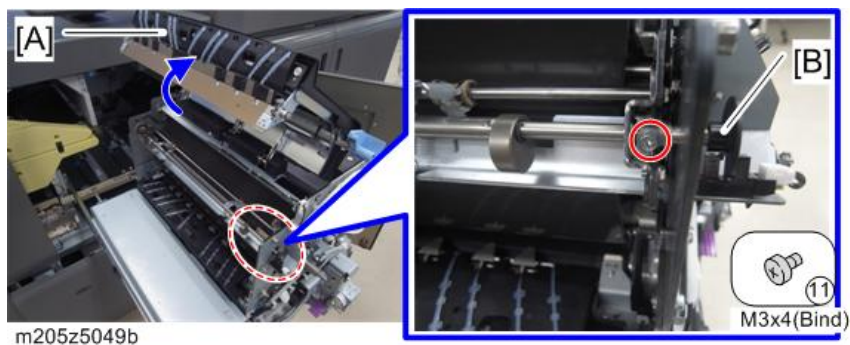
5. Fusing front cover [A], handle [B] (🔩×8)



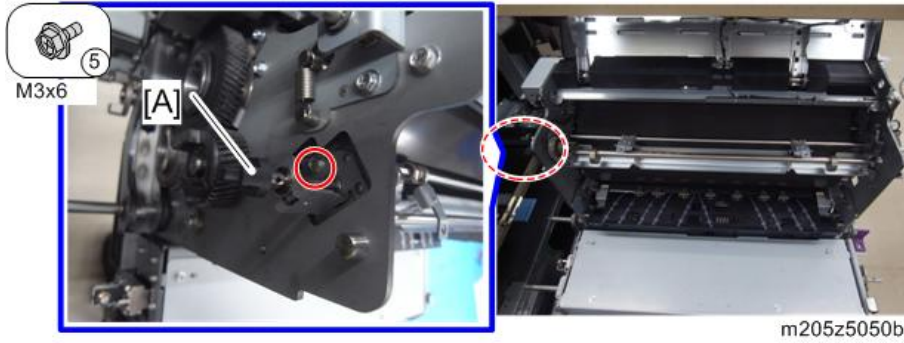
6. Fusing rear cover [A] (🔩×4)



7. Open the fusing cover [A] and remove the refresh roller contact feeler [B]. (🔩×1)

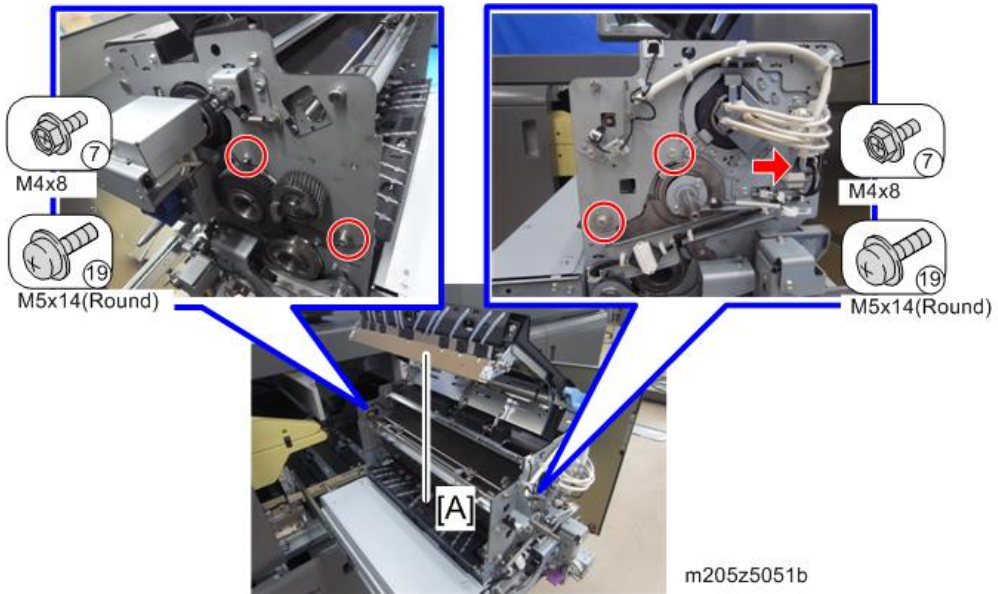


8. Refresh roller contact coupling [A] (🔩×1)



4

9. Remove the fixing screws and disconnect the connector of the fusing cover [A]. (🔩×4, 🛠️×1)



10. Rotate the fusing cover [A] clockwise and remove it.

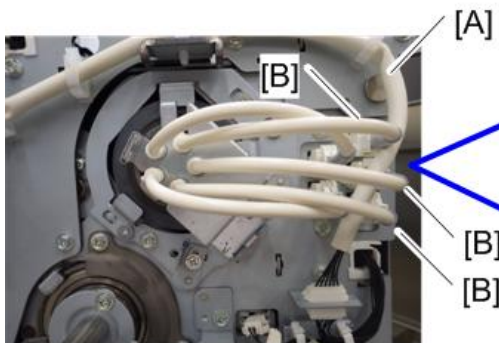


m205z5052

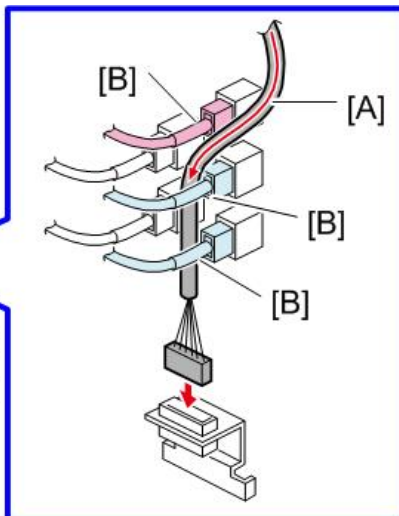


Note

- When installing the fusing cover, route the harness [A] between the infrared heater connectors [B].

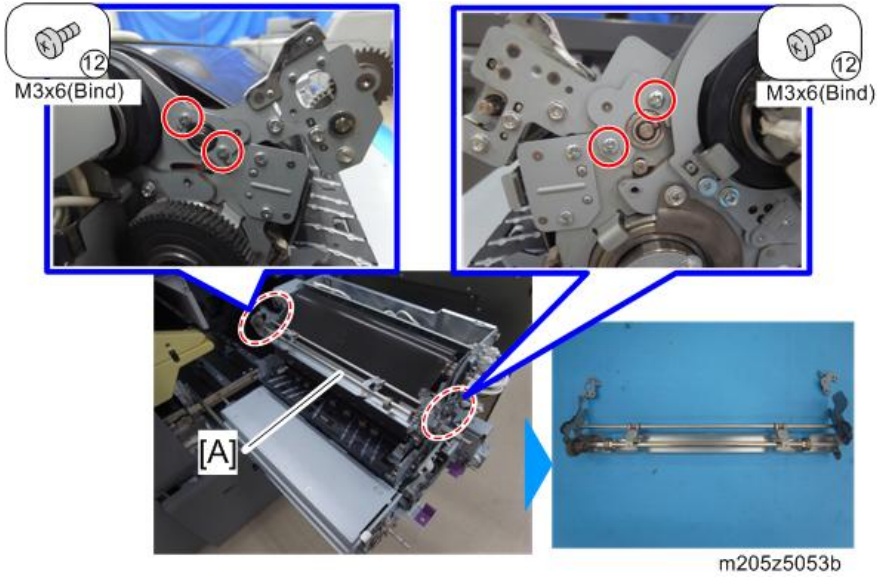


m205z5252

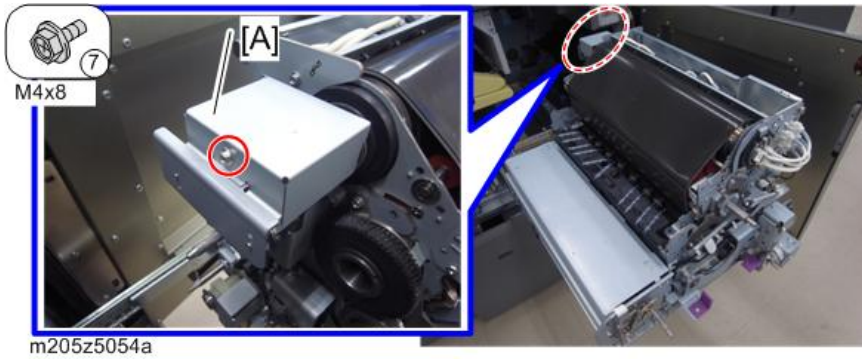


Fuser Belt Unit

1. Fusing cover (page 1153)
2. Fuser cleaning unit (page 1175)
3. Refresh roller contact cam unit [A]. (🔩×4)



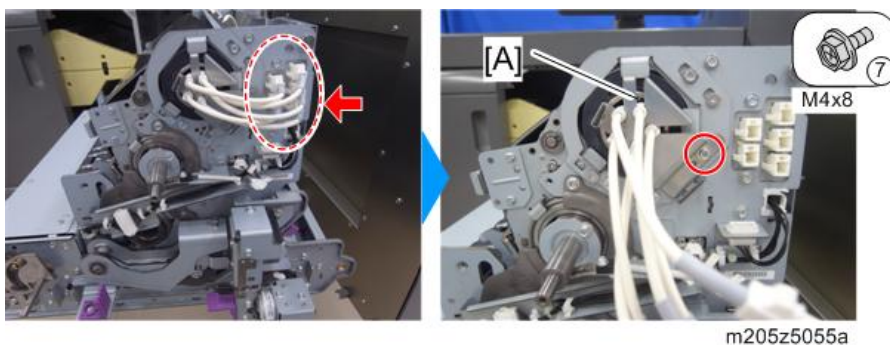
4. Terminal cover [A] (🔩×1)



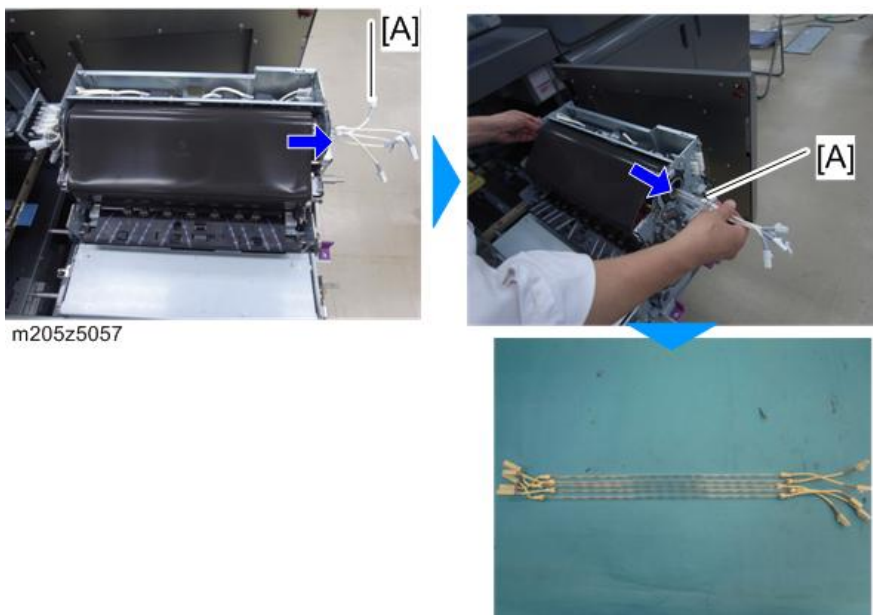
5. Heat holder (rear) [A] (🔩 ×1, 📦 ×5)



6. Heat holder (front) [A] (🔩 ×1, 📦 ×5)



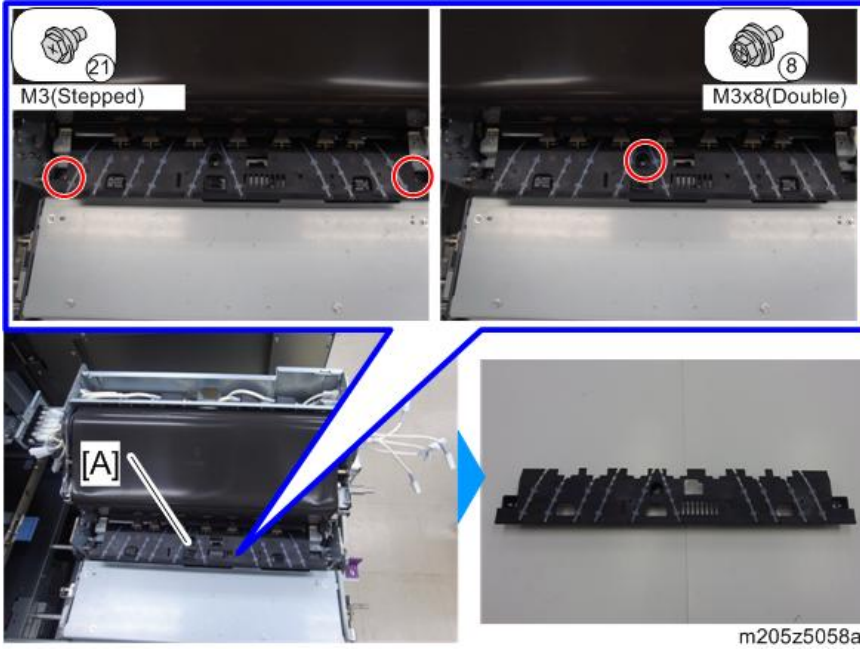
7. Pull the heating roller lamps (5) [A] out forward.



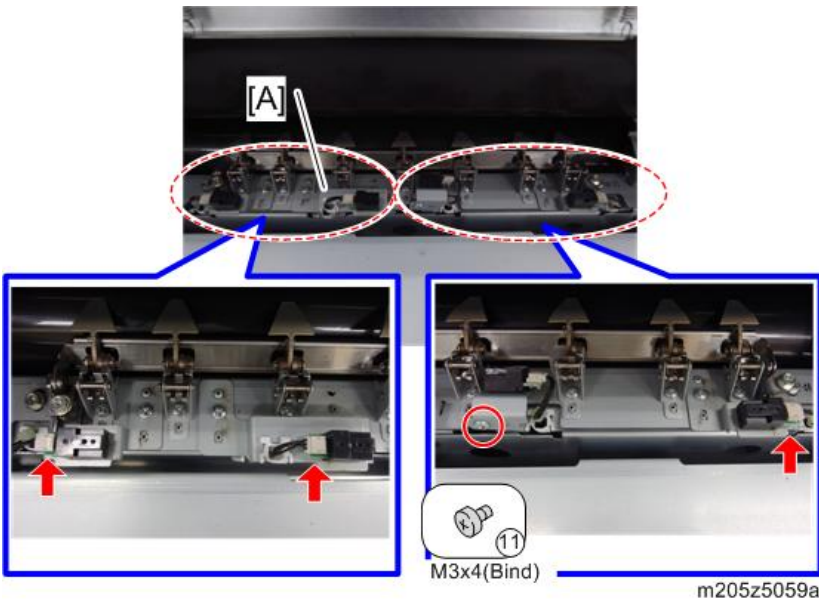
Note

- When installing the heating roller lamps, use the jig (pipe) provided with the machine.
(page 1167 "Installing the Heating Roller Lamp")

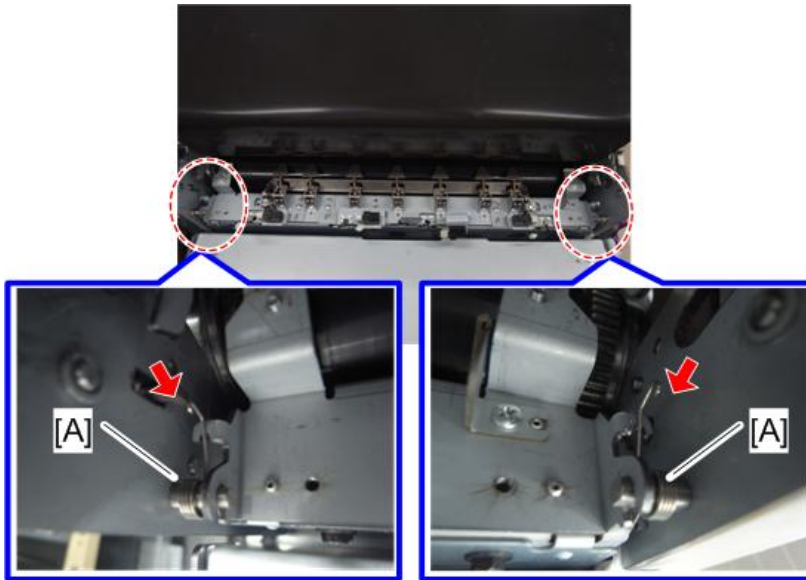
8. Fusing exit guide plate (lower) [A] (🔩×3)



9. Disconnect three connectors and remove a screw from the separation pawls stay [A]. (🔩×1, 📦×3)

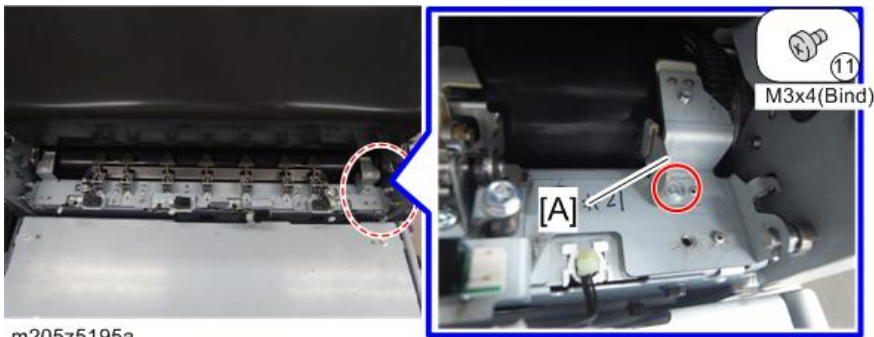


10. Remove the springs [A] at the front and rear of the separation pawls stay.



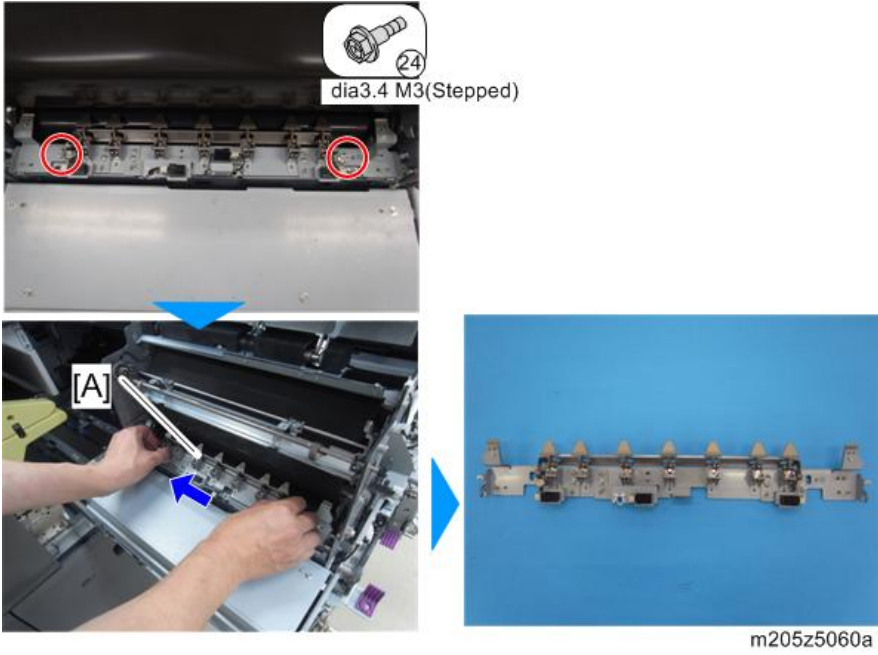
m205z5183

11. Discharge brush [A] (🔑×1)



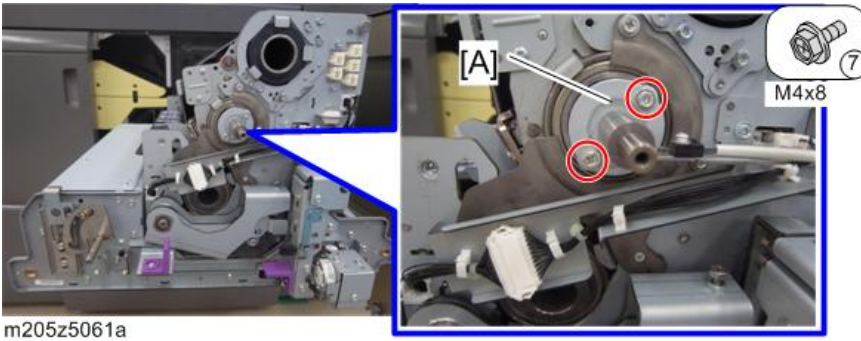
m205z5195a

12. Lift the separation pawls stay [A] upward, and then remove it by sliding backward. (🔩
x2)

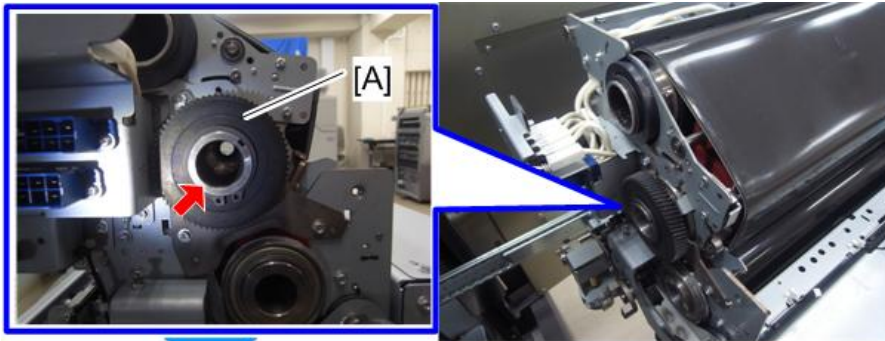


4

13. Handle shaft [A] (🔩 x2)



14. Fusing roller gear (rear) [A] (1 × 1)

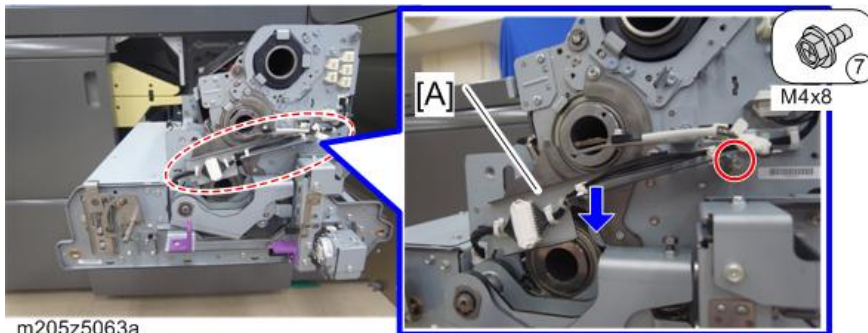


m205z5062



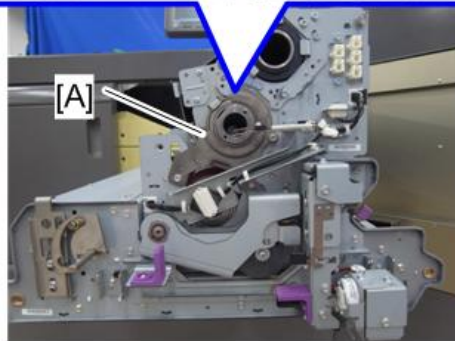
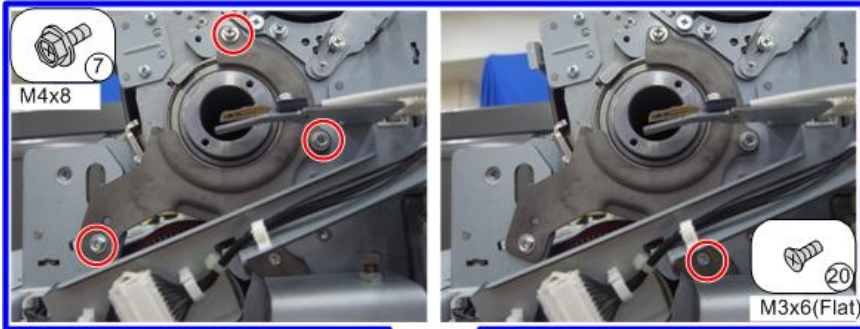
4

15. Remove the fixing screw and lower the position of the bracket [A]. (1 × 1)



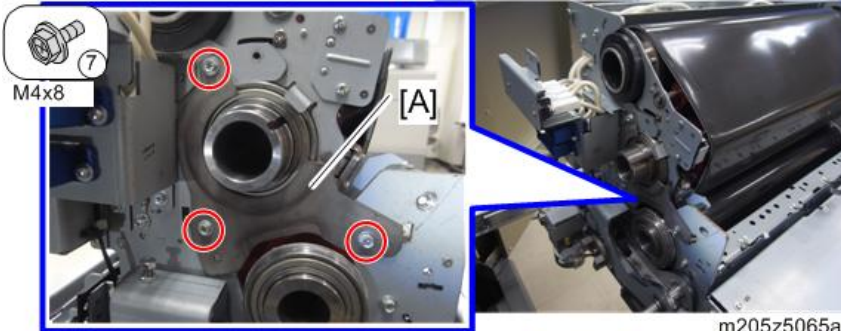
m205z5063a

16. Stopper (front) [A] (7) ×4



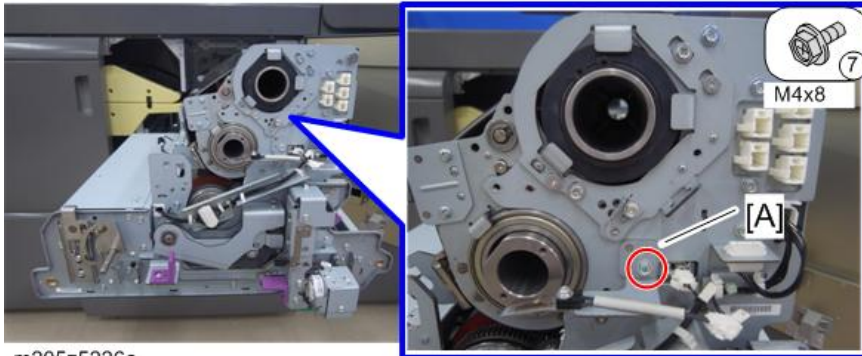
m205z5064a

17. Stopper (rear) [A] (7) ×3



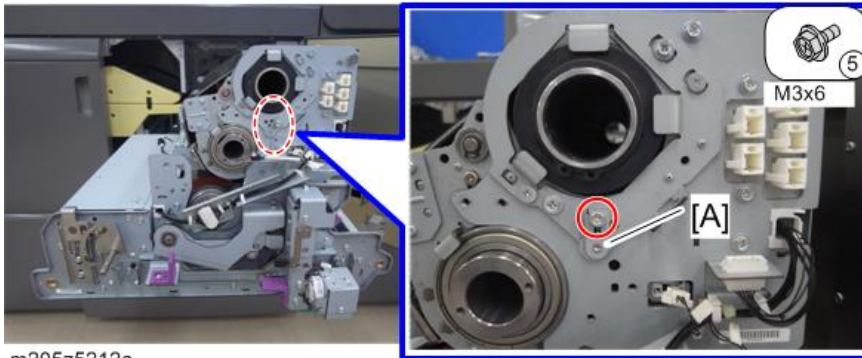
m205z5065a

18. Holder [A] (🔩×1)



m205z5226a

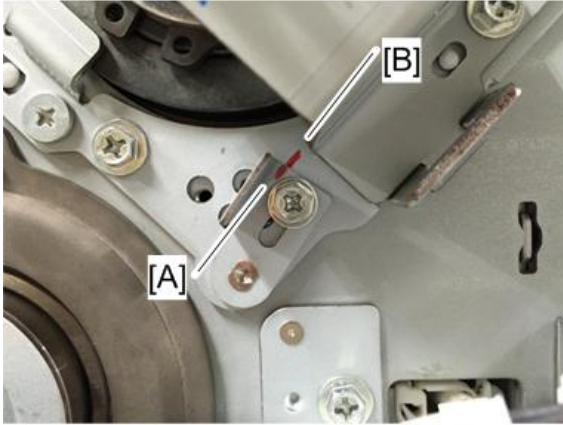
19. Positioning pin bracket [A] (🔩×1)



m205z5212a

⚠️ Note

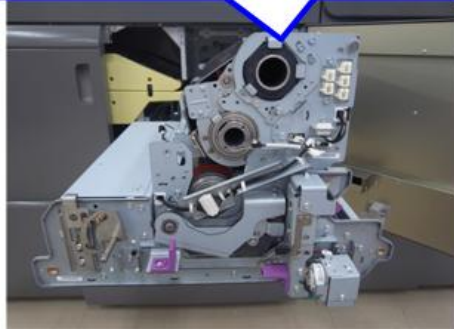
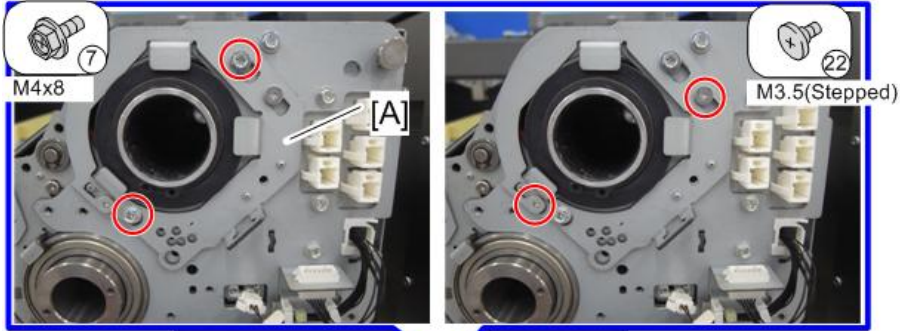
- The position of positioning pin bracket [A] is adjusted at the factory. Therefore, when installing the positioning pin bracket, align the mark of pin bracket [A] and adjuster (for heating roller) [B]. Otherwise, fusing belt lean to either front or rear side and being bitten by gear, and leading to malfunctions.



m205z5213a

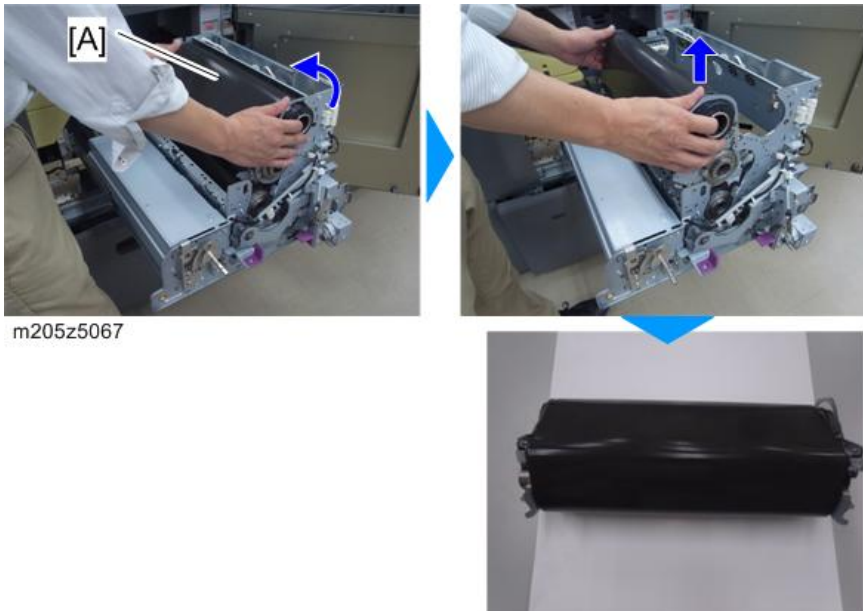
4

20. Adjuster (for heating roller) [A] (🔩×4)



m205z5066b

21. Rotate the fusing belt unit [A] counter-clockwise and lift it.

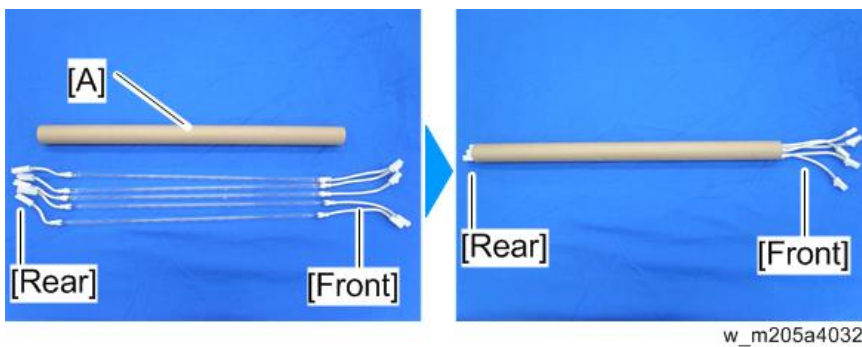


4

Installing the Heating Roller Lamp

When installing the heating roller lamps, use the pipe (for heating roller lamps).

1. Insert the rear edge of the heating roller lamps through the pipe [A].



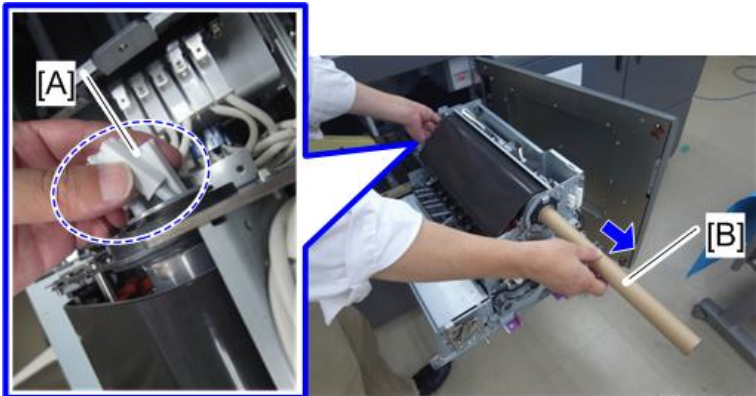
2. Insert the pipe [A], with the rear end of the heating roller lamps first, through the heating roller [B].



m205z5185

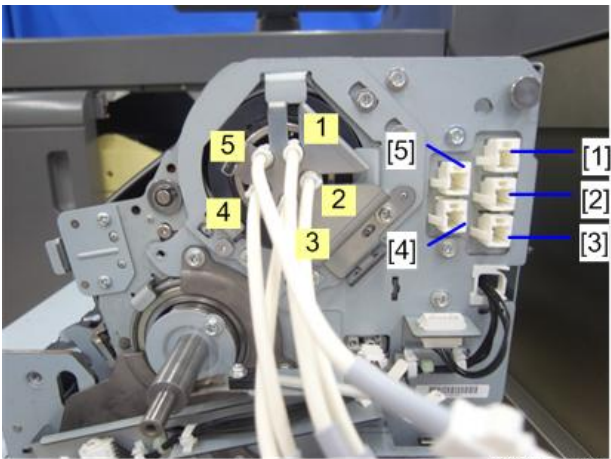
4

3. Remove the pipe [B] while holding the connectors [A] at the rear of the heating roller lamps.



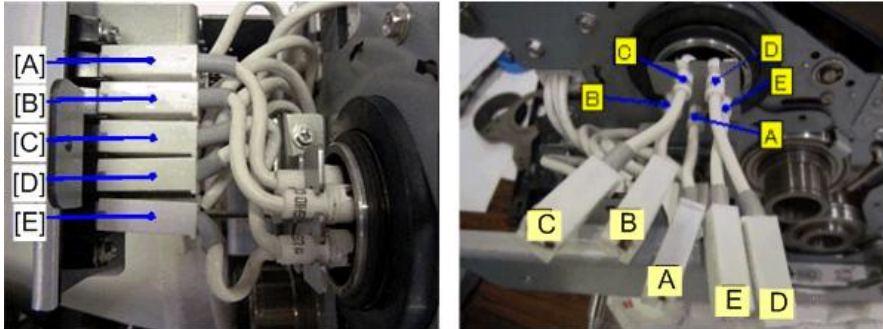
m205z5186

4. Each heating roller lamps have fixed ports to connect. See the numbers shown below and match the numbers when connecting the heating roller lamps to their ports at front side.



m205z5227

5. Each heating roller lamps have fixed ports to connect. See the alphabets shown below and match the alphabets when connecting the heating roller lamps to their ports at rear side.

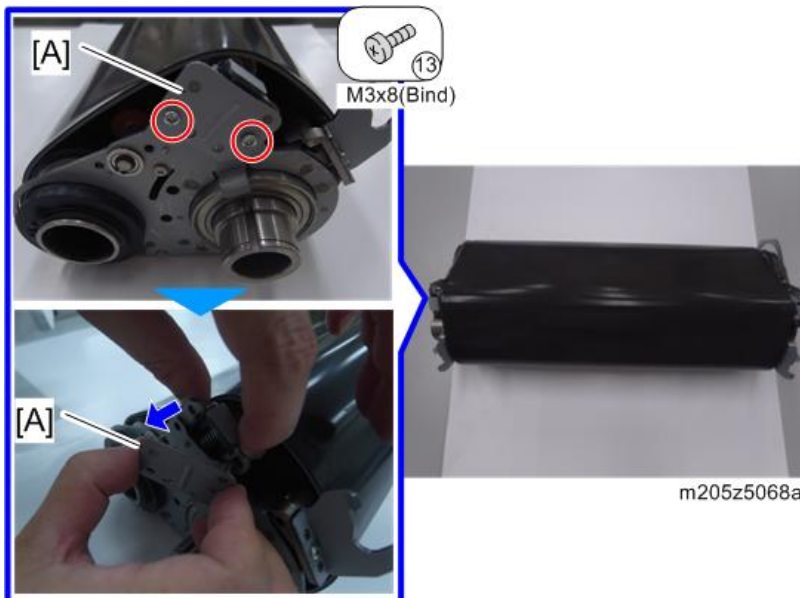


m205z5228

4

Fuser Belt

1. Fuser belt unit (page 1158)
2. Positioning bracket (rear) [A] (Ⓜ x2)



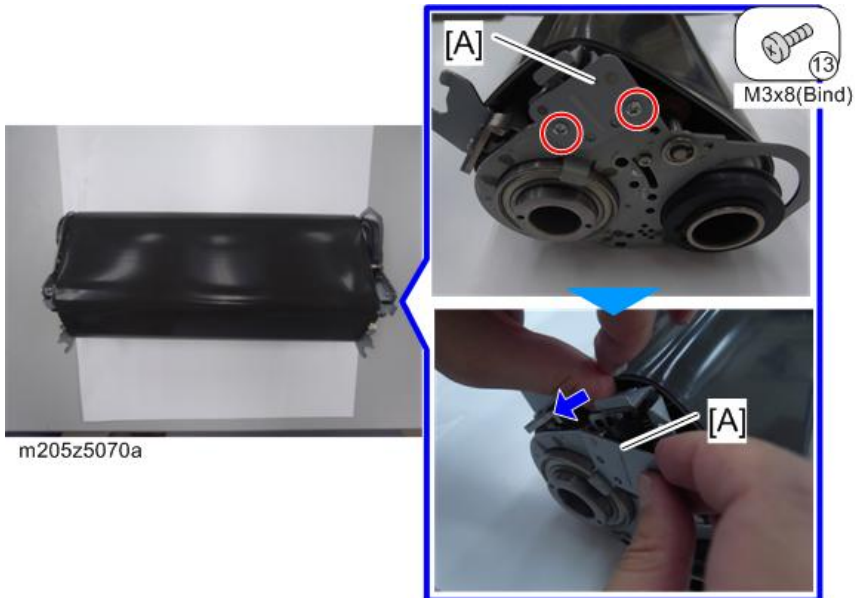
m205z5068a

3. Separation plate stopper [A] (🔩×1)

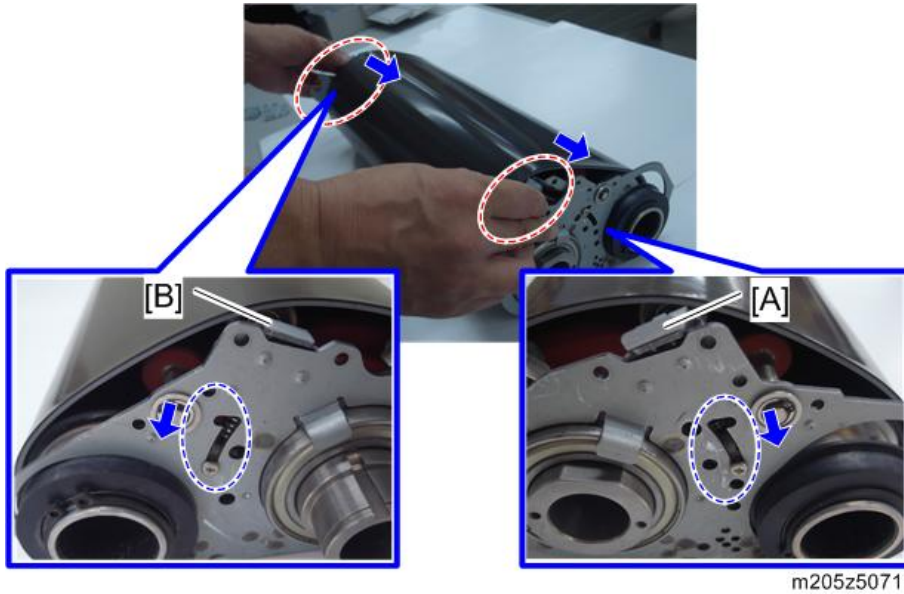


4

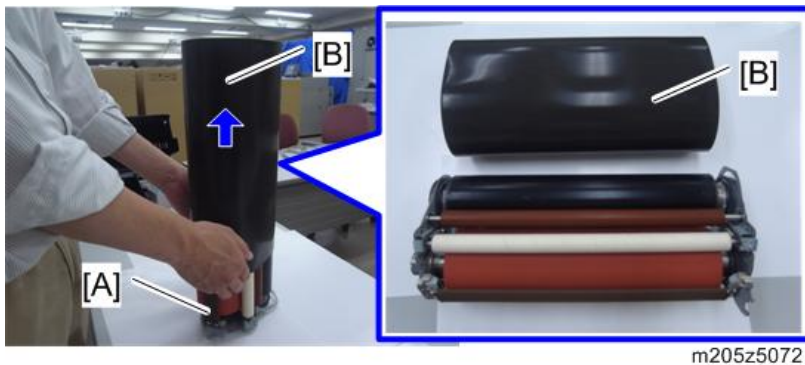
4. Positioning bracket (front) [A] (🔩×2)



5. Press the belt tension bracket (front) [A] and belt tension bracket (rear) [B] and loosen the tensions.



6. Face the front side [A] of the fuser belt unit down and remove the fuser belt [B].



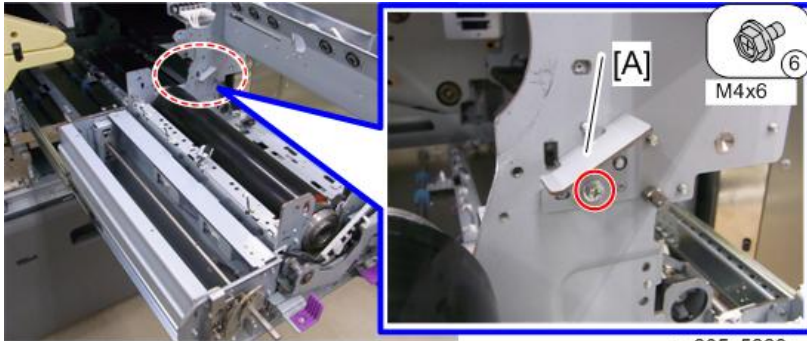
Pressure Roller

★ Important

- When removing and replacing the pressure roller, do not touch the roller surface by hands.

1. Fuser belt unit (page 1158)

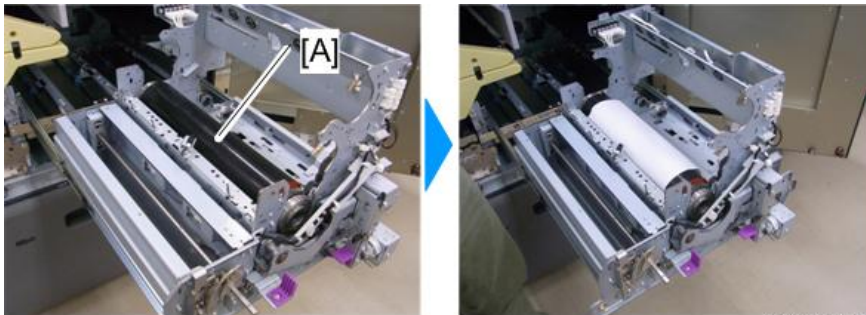
2. Stopper (rear) [A] (🔩×1)



m205z5223a

4

3. Wrap a paper around pressure roller [A].



m205z5224

4. Pressure roller [A]

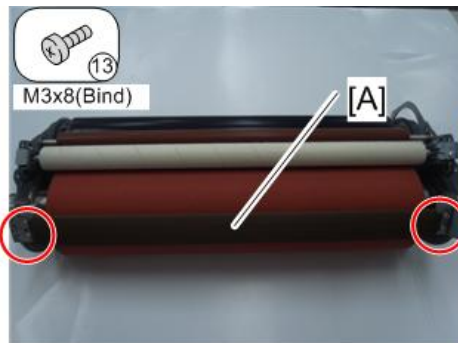


m205z5225

Fusing Separation Subunit

1. Fuser belt (page 1169)

2. Fusing separation subunit [A] (🔩×4)

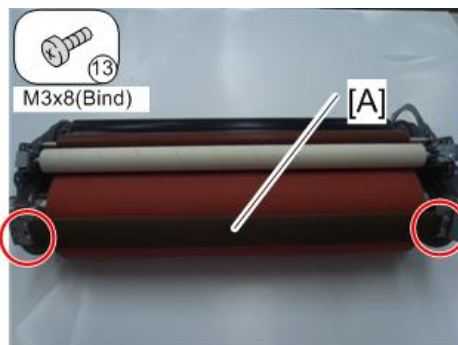


m205z5074a

Fusing Roller

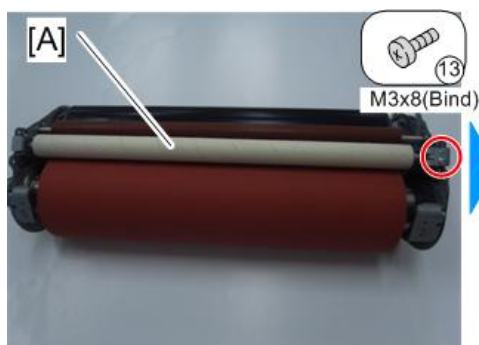
1. Fuser belt (page 1169)

2. Fusing separation subunit [A] (🔩×4)



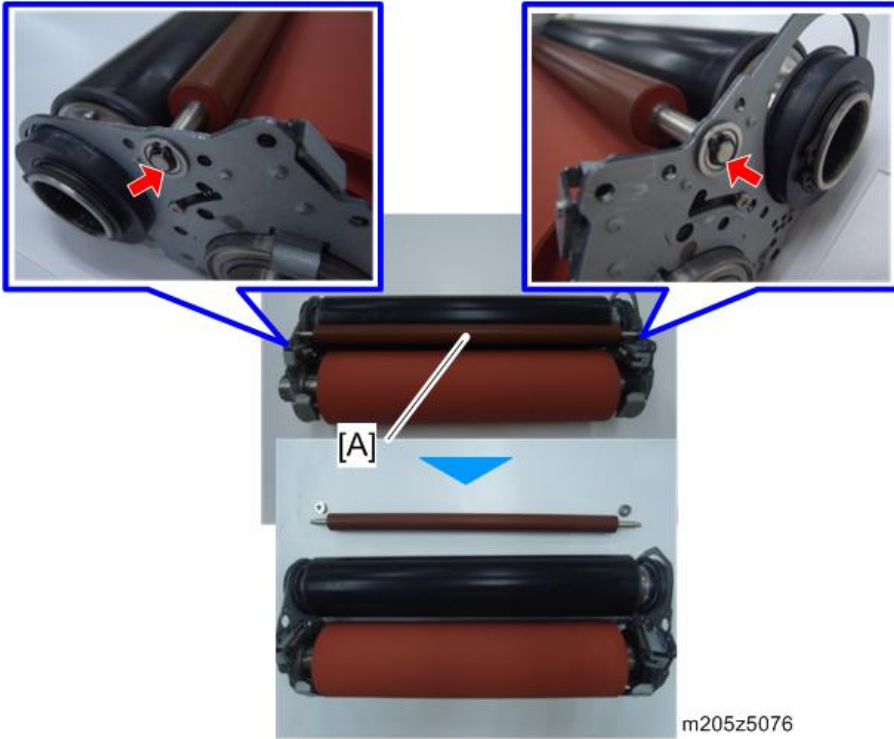
m205z5074a

3. Belt tension roller [A] (🔩×1)

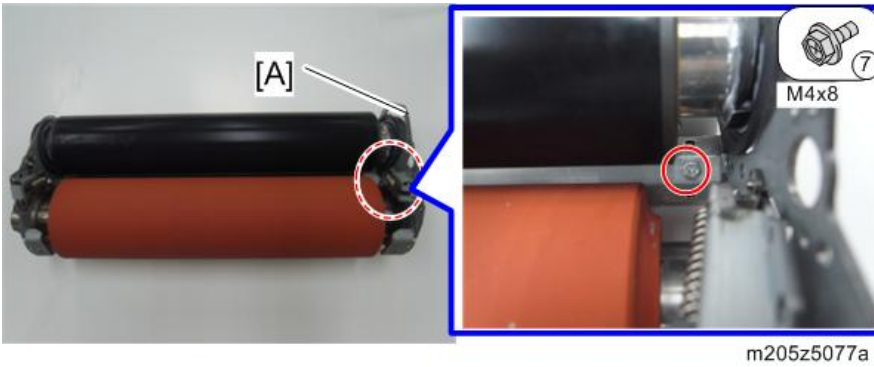


m205z5075a

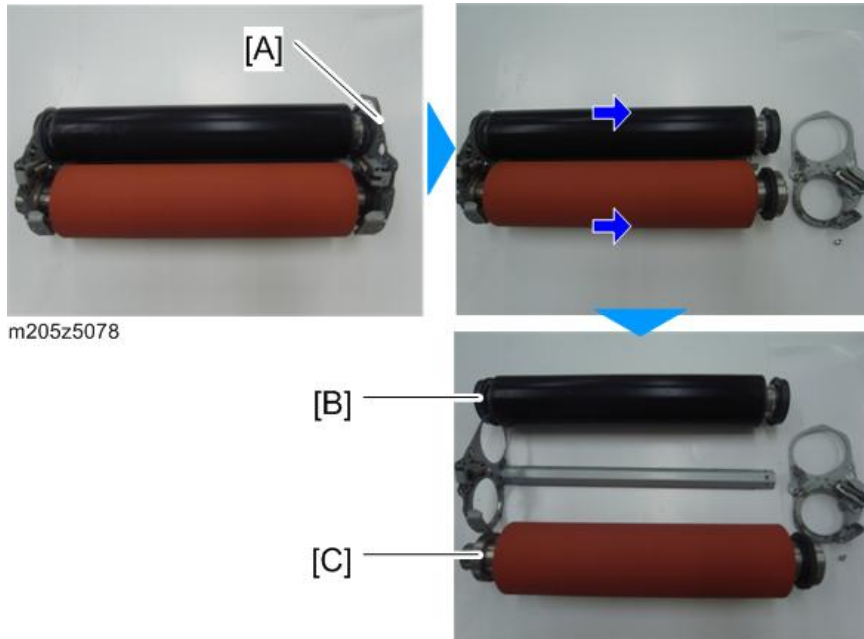
4. Refresh counter roller [A] (🔩×2)



5. Remove the fixing screw of the side plate (front) [A]. (🔩×1)

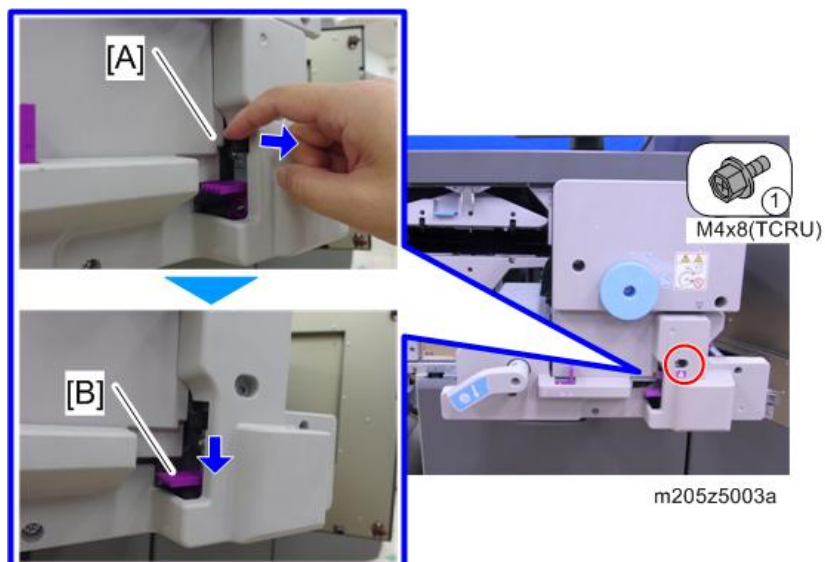


6. Remove the side plate (front) [A], and then remove the heating roller [B] and the fusing roller [C].



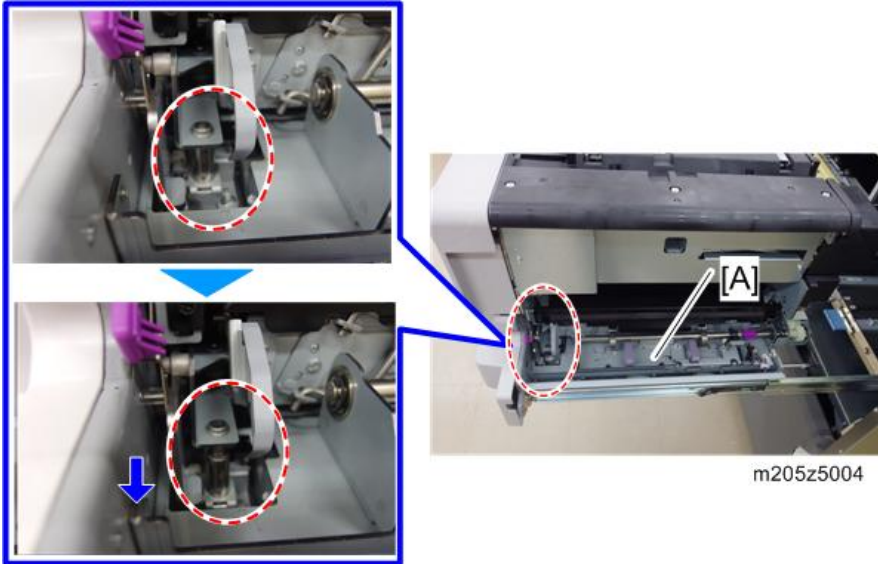
Fuser Cleaning Unit

1. Withdraw the fuser unit to the service position. (page 1151)
2. Pull the lever (black) [A], and then lower the lever (TCRU color). (⚙️×1)



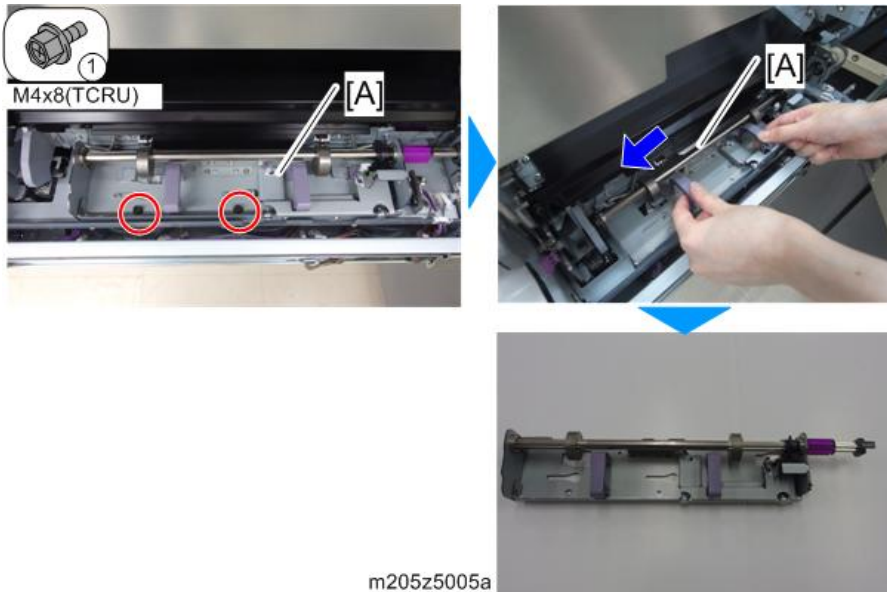
↓ **Note**

- The cleaning web contact cam unit [A] is unlocked by lowering the lever (TCRU color).



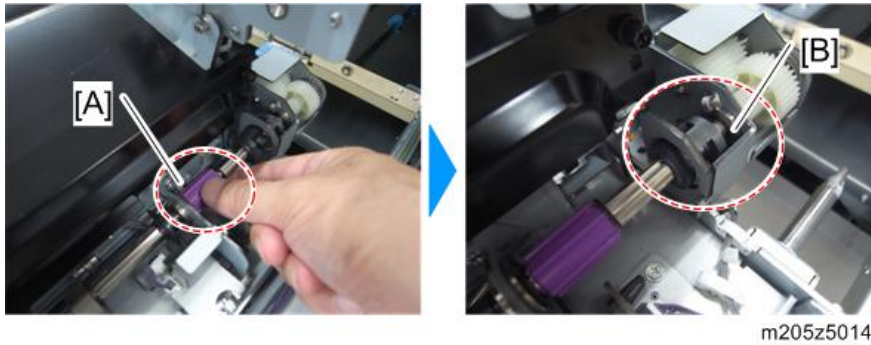
4

3. Hold the grip and slide the cleaning web contact cam unit [A] to the left, and then remove it. (⚙️ x2)

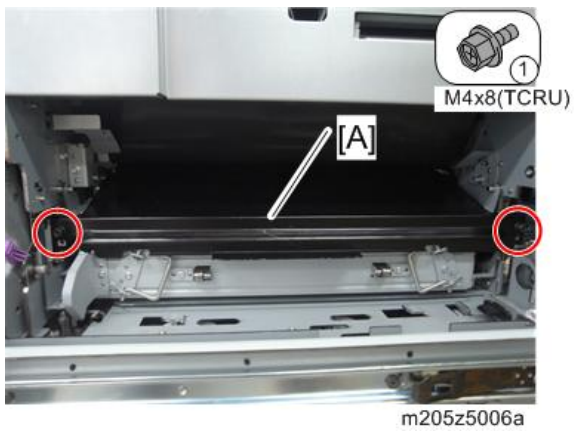


↓ **Note**

- When installing the cleaning web contact cam unit, rotate the knob (TCRU color) [A] to fit it into the coupling [B].

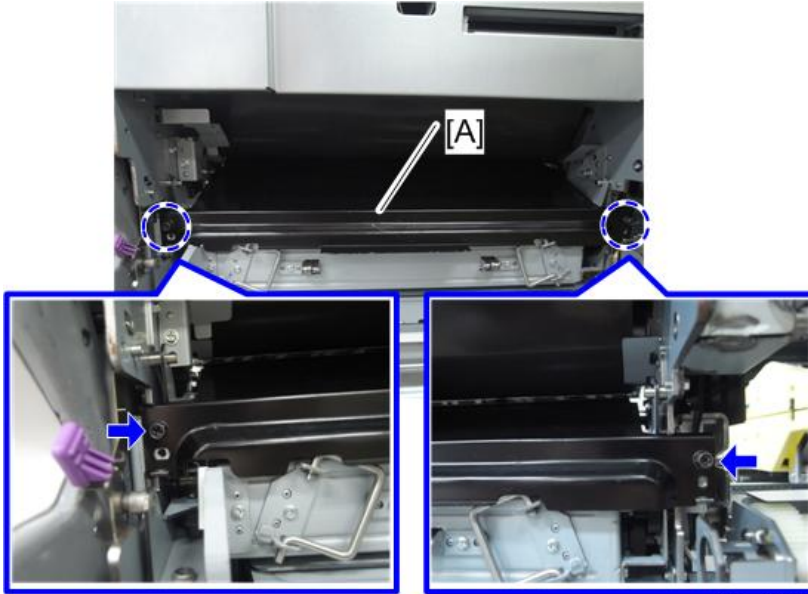


4. Fusing entrance guide plate [A] (① ×2)



↓ Note

- When installing the fusing guide plate [A], secure it with the screws at upper side.



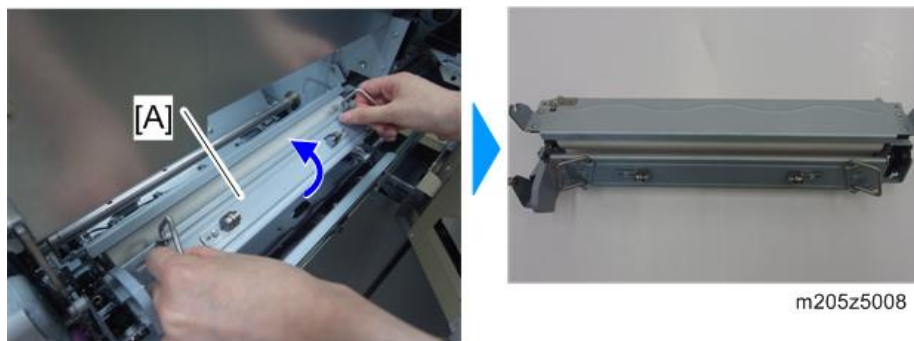
m205z5196

5. Pull the lever (TCRU color) [A] to the left to release the web rotating prevention.



m205z5007

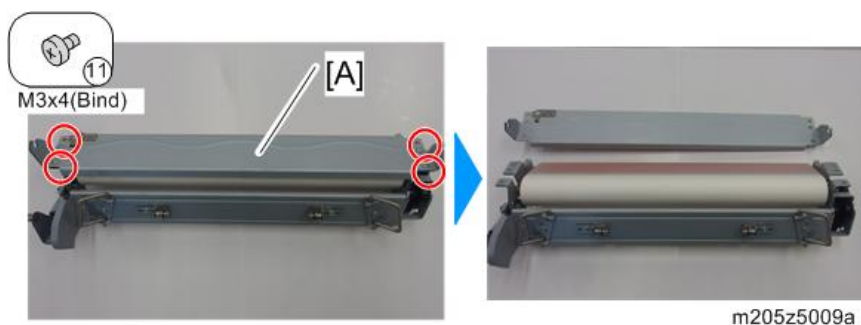
6. Hold the grip, and then rotate the fuser cleaning unit [A] upwards and remove it.



Cleaning Web

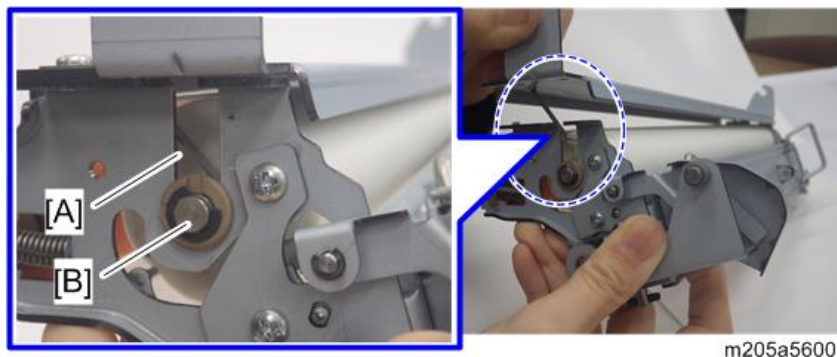
4

1. Fuser cleaning unit (page 1175)
2. Frame [A] (⑪ ×4)



Note

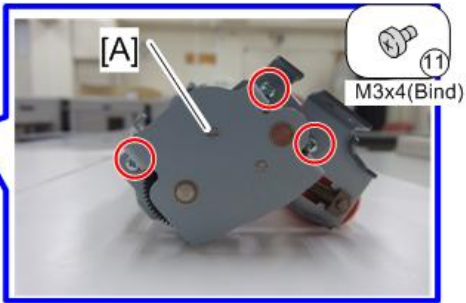
- When installing the frame, make sure that the spring plate [A] is located at right side of the supply shaft [B] when viewed from the front side of the fuser cleaning unit.



3. Bracket (rear) [A] (🔩×3)

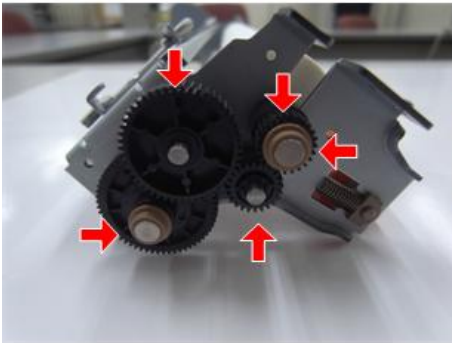


m205z5010a



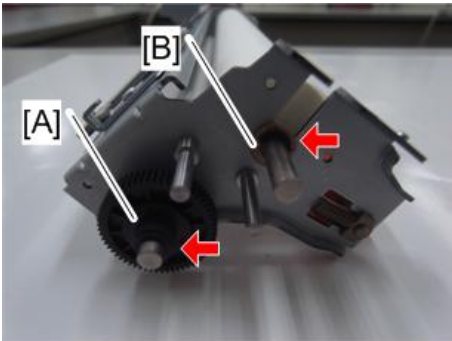
4. Remove two bearings and three gears.

4



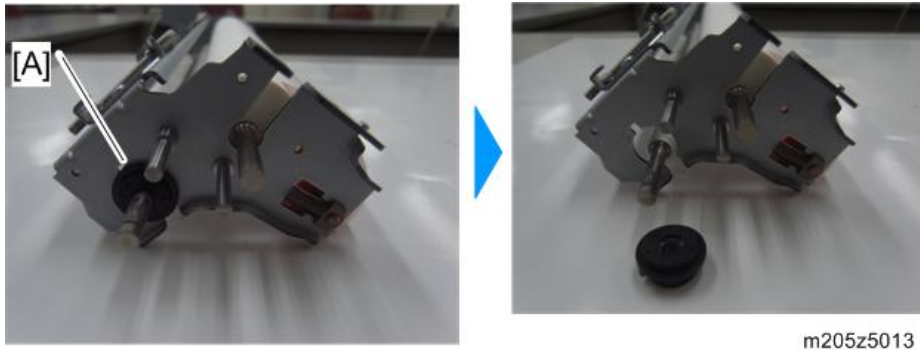
m205z5011

5. Gear [A] (🔩×1), Bearing [B] (🔩×1)

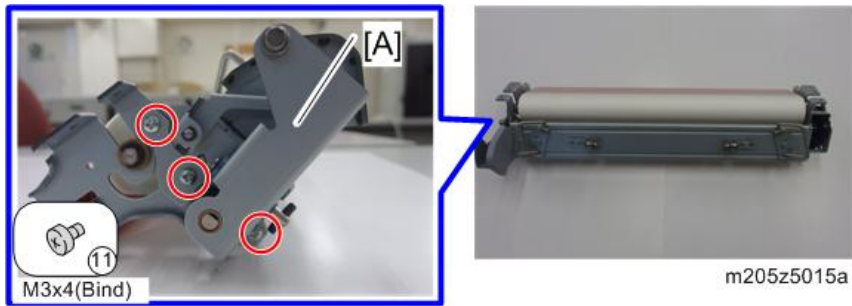


m205z5012

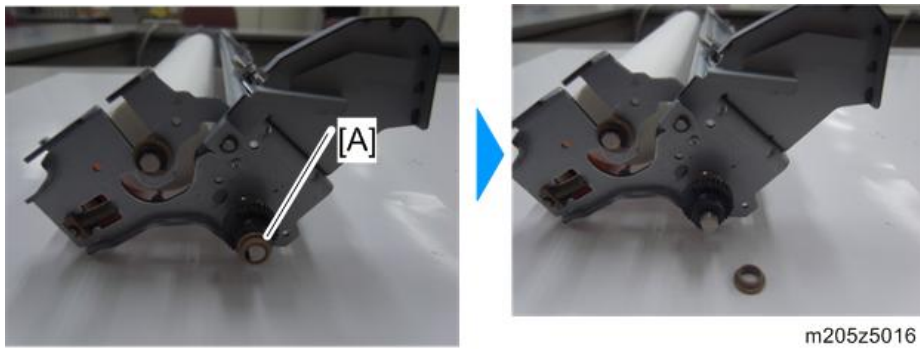
6. One way clutch [A]



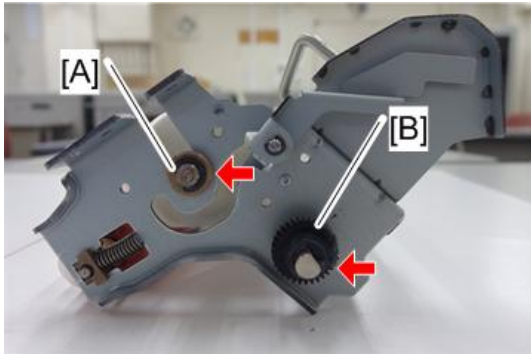
7. Bracket (front) [A] (Ⓜ x3)



8. Bearing [A]



9. Bearing [A] (🌀×1), Gear [B] (🌀×1)

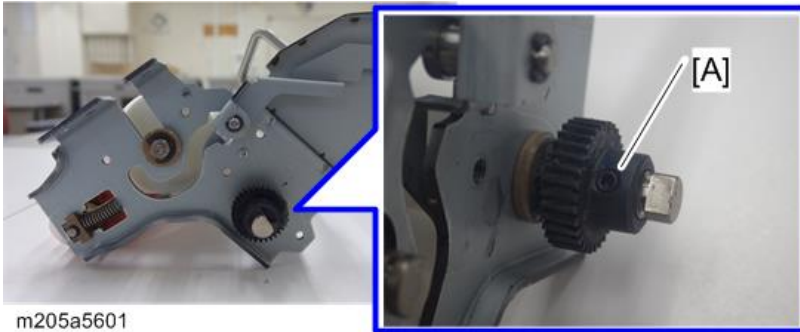


m205z5017

4

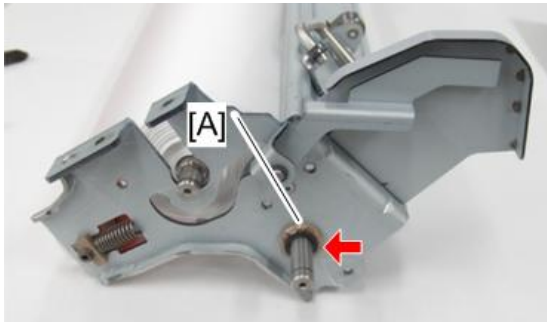
↓ Note

- When installing the gear, make sure that the flange with hexagonal hole [A] is at the outer side.



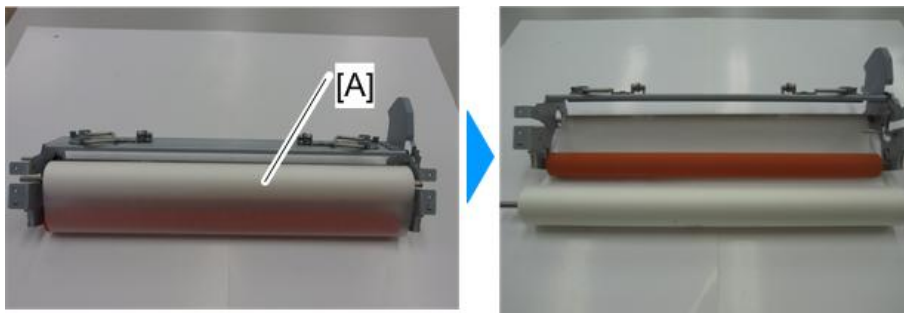
m205a5601

10. Bearing [A] (🌀×1)



m205z5018

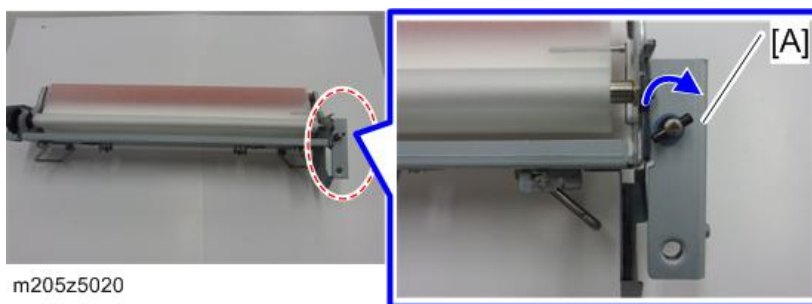
11. Cleaning web [A]



m205z5019

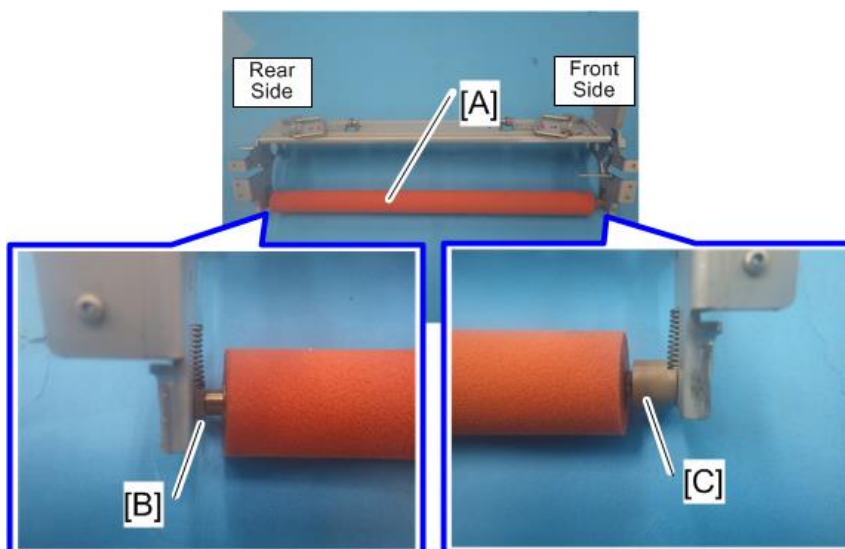
↓ Note

- When installing the cleaning web, rotate the spring pin [A] clockwise to remove slack in the web.



m205z5020

- If you replace the web contact roller [A], make sure that the bearing [B] is at the rear side and that the one way clutch [C] is at the front side when installing the web contact roller.

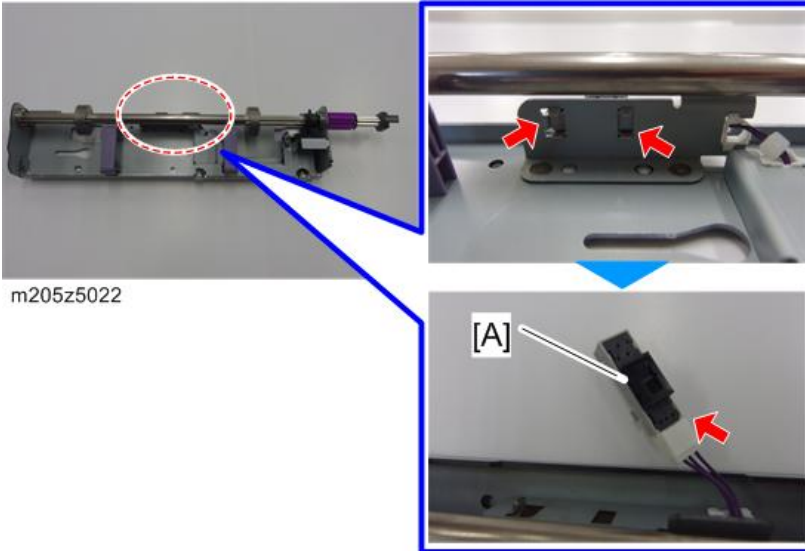


w_m205a0331

Fusing Cleaning Unit Set Sensor

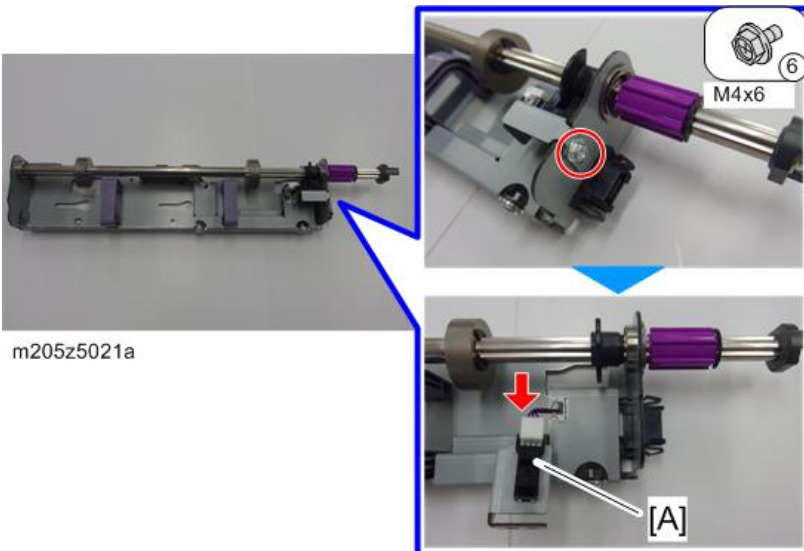
1. Cleaning web contact cam unit (page 1175 "Fuser Cleaning Unit")
2. Remove the pawls from the rear, and then remove the fusing cleaning unit set sensor [A].
(🔧 x1)

4



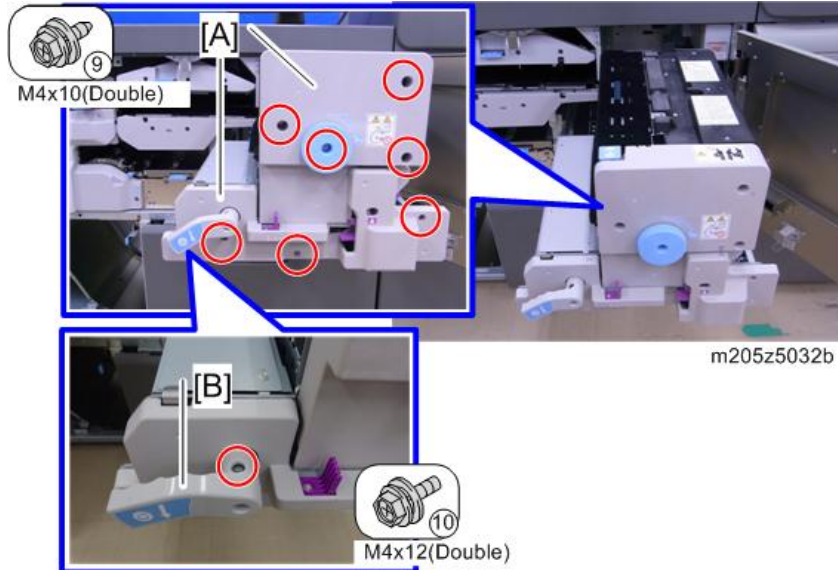
Cleaning Web Contact Sensor

1. Cleaning web contact cam unit (page 1175 "Fuser Cleaning Unit")
2. Cleaning web contact sensor [A] (🔧 x1, 📦 x1)

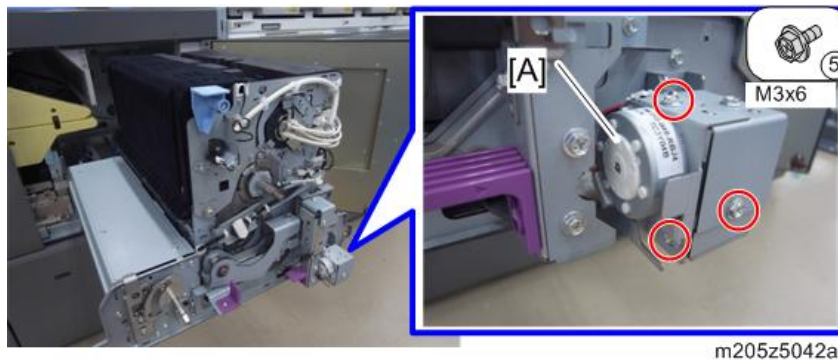


Fusing Web Motor

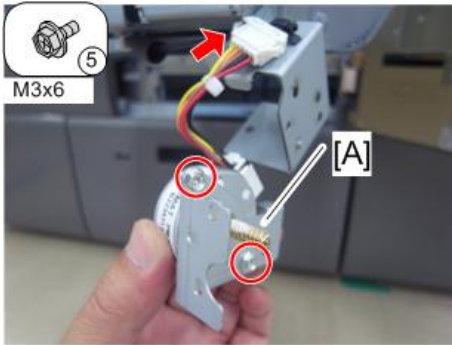
1. Withdraw the fuser unit to the service position. (page 1151)
2. Fusing front cover [A], handle [B] (🔩×8)



3. Remove the fusing web motor [A] with the bracket. (🔩×3)



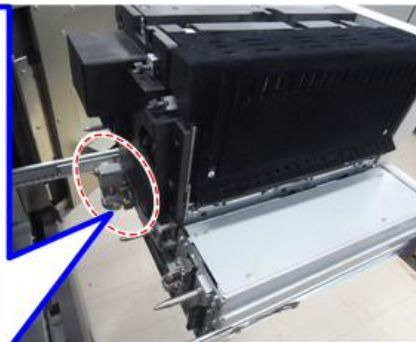
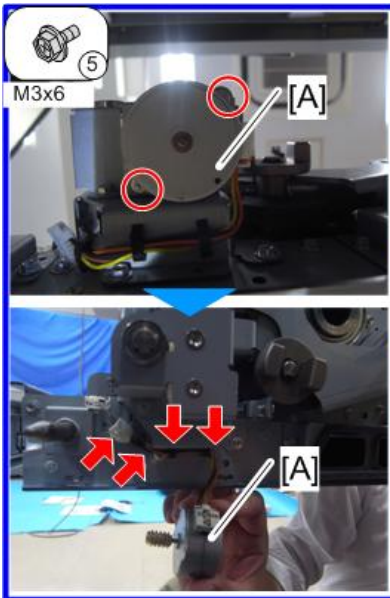
4. Fusing web motor [A] (⚙️ ×2, 📦 ×1)



m205z5043a

Cleaning Web Contact Sensor

1. Withdraw the fuser unit to the service position. (page 1151)
2. Cleaning web contact motor [A] (⚙️ ×2, 🛠️ ×3, 📦 ×1)

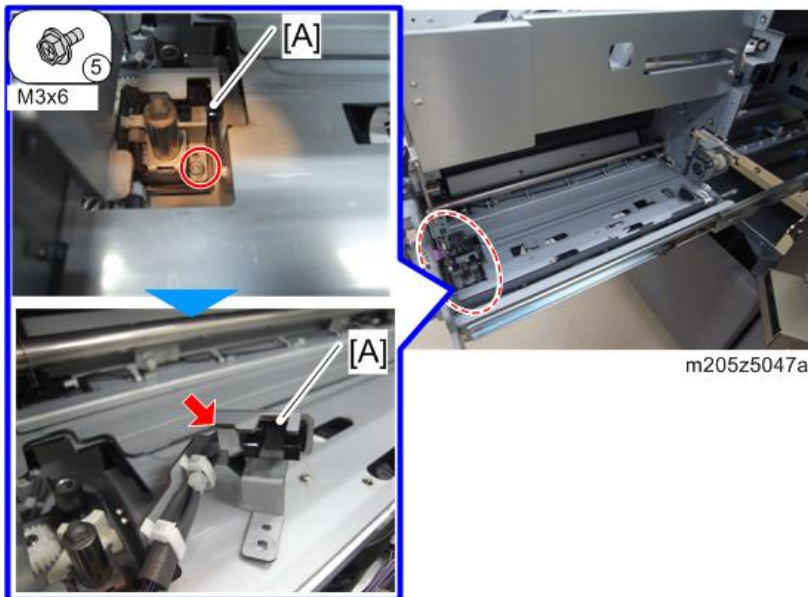


m205z5044a

Web End Sensor

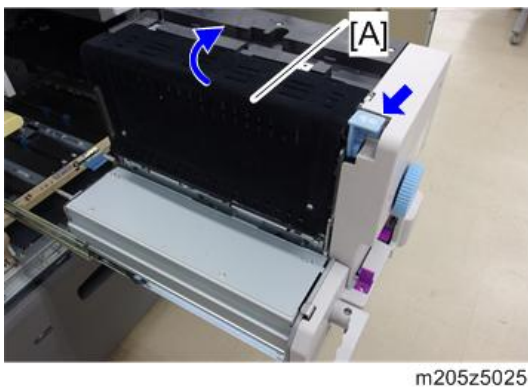
1. Fuser cleaning unit (page 1175)

2. Web end sensor [A] (🔩 ×1, 📦 ×1)



Fuser Belt Smoothing Roller Unit

1. Withdraw the fuser unit to the service position. (page 1151)
2. Open the fusing cover [A].

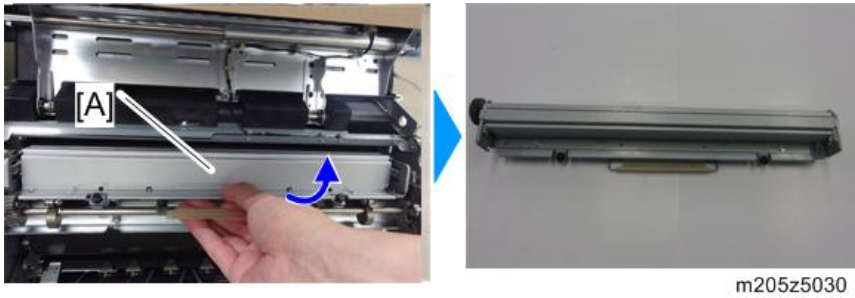


3. Loosen the fixing screws of the fuser belt smoothing roller unit [A]. (🔩×2)



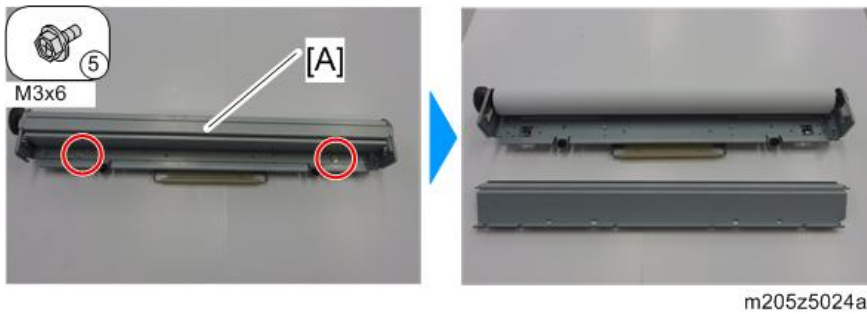
4. Hold the grip and remove the fuser belt smoothing roller unit [A].

4



Refresh Roller

1. Bracket [A] (🔩×2)

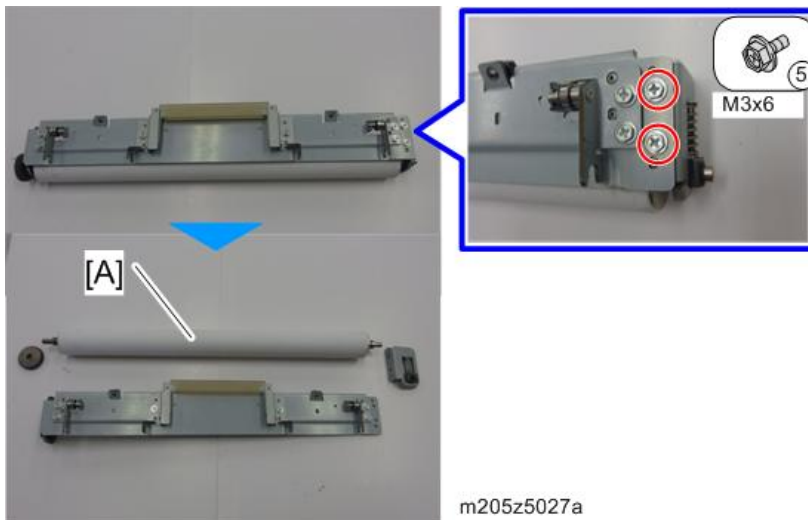


2. E-ring (5) × 2



4

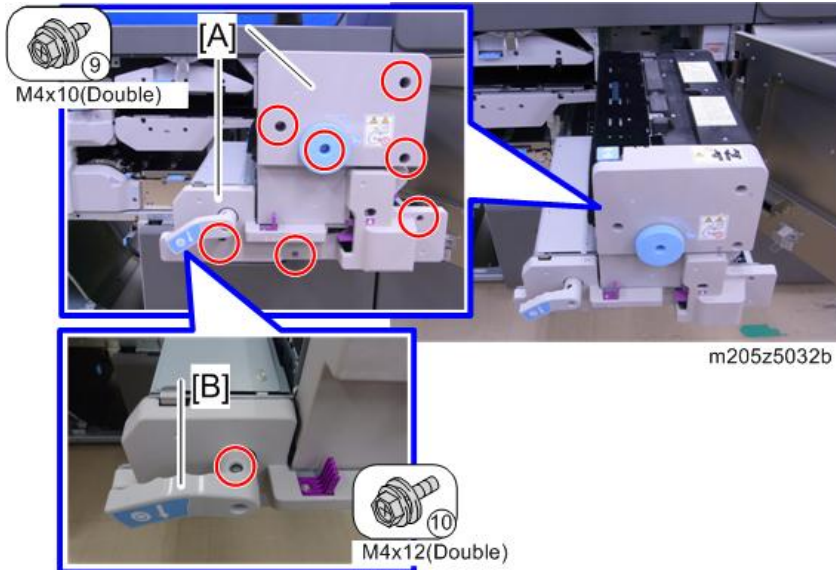
3. Refresh roller [A] (5) × 2



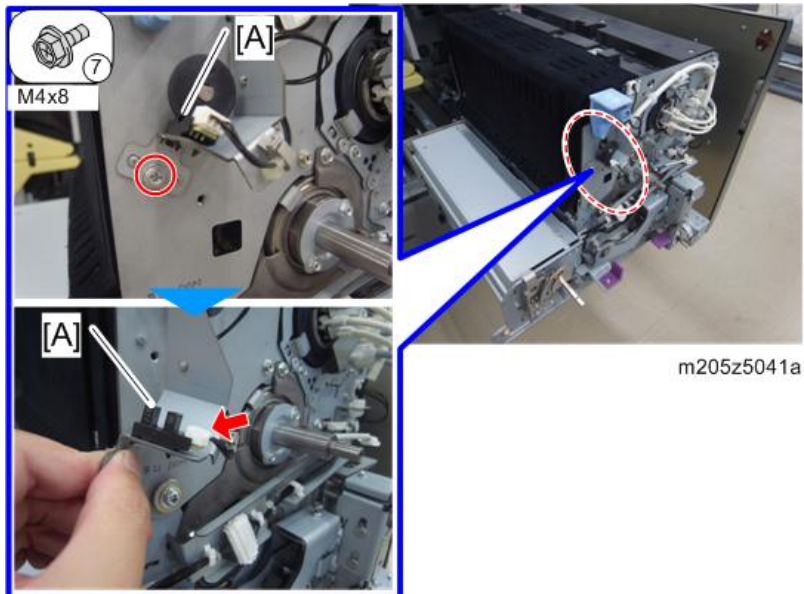
Refresh Roller Contact Sensor

1. Withdraw the fuser unit to the service position. (page 1151)

2. Fusing front cover [A], handle [B] (🔩×8)



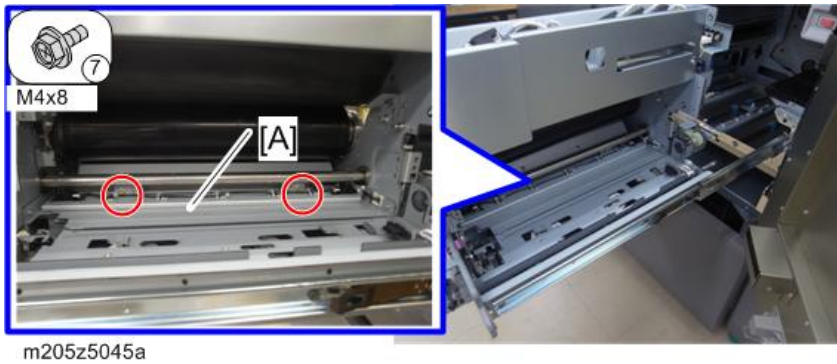
3. Refresh roller contact sensor [A] (🔩×1, 📦×1)



Pressure Roller Home Position Sensor A/ Pressure Roller Home Position Sensor B

1. Fuser cleaning unit (page 1175)

2. Bracket [A] (🔩 ×2)



3. Pressure roller home position sensor A [A] (📦 ×1), pressure roller home position sensor B [B] (📦 ×1)

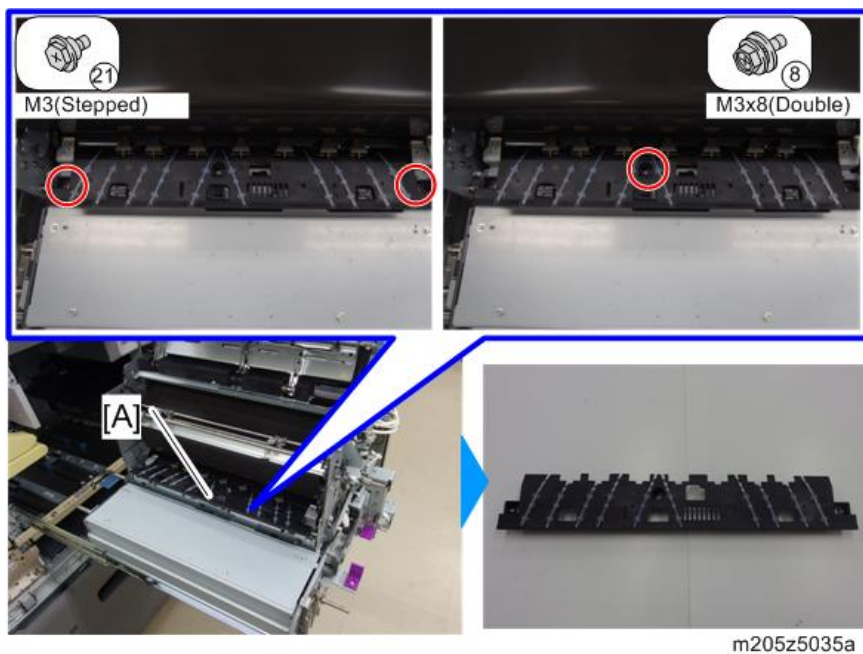
4



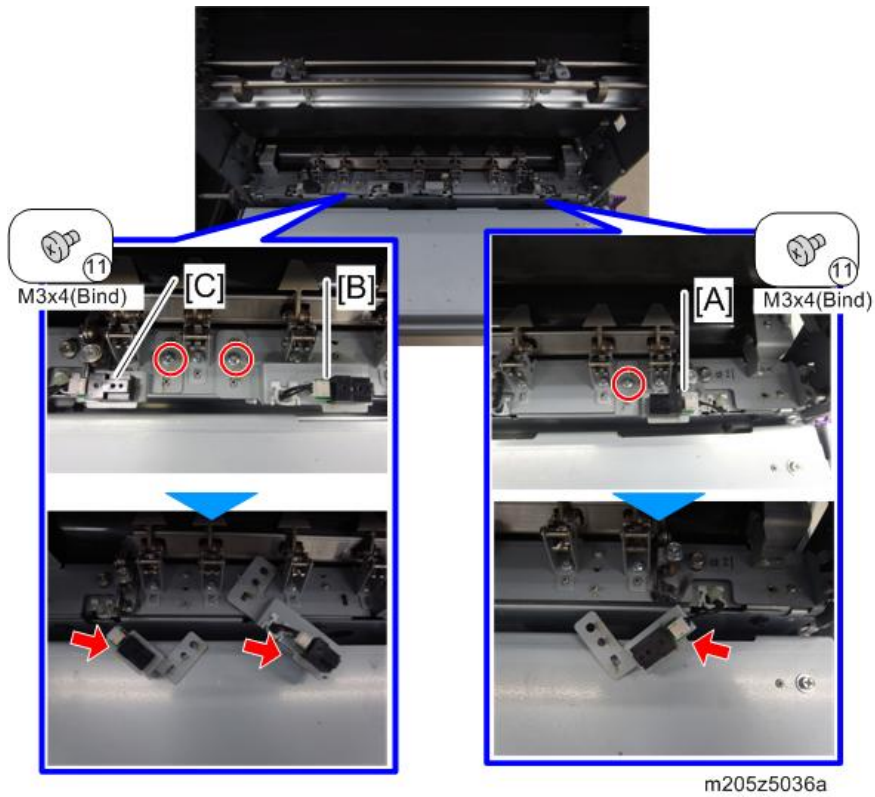
Fusing Exit Sensor (Front/Center/Rear)

1. Fuser belt smoothing roller unit (page 1187)

2. Fusing exit guide plate (lower) [A] (🔩×3)



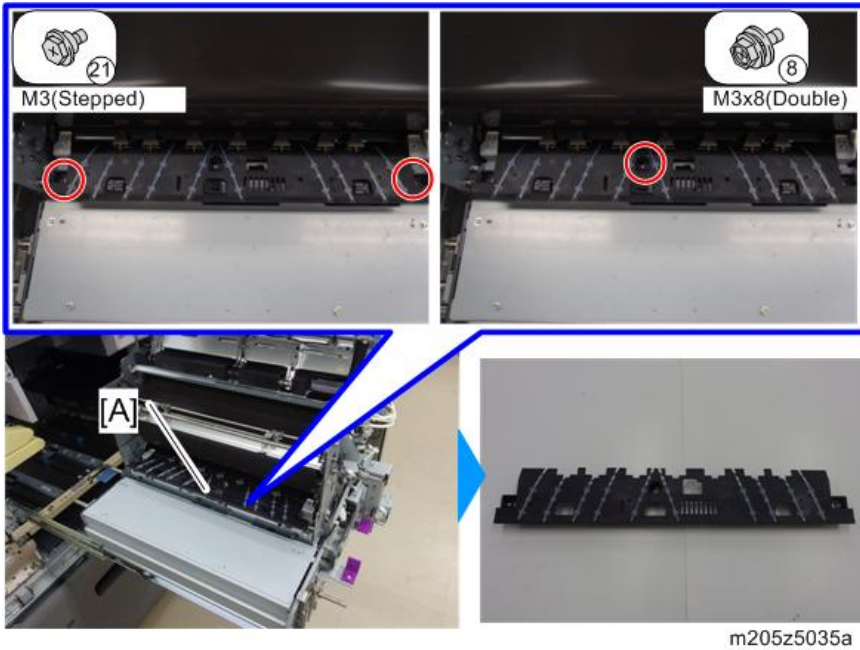
3. Fusing exit sensor (front [A]/center [B]/rear [C]) (each  ×1,  ×1)



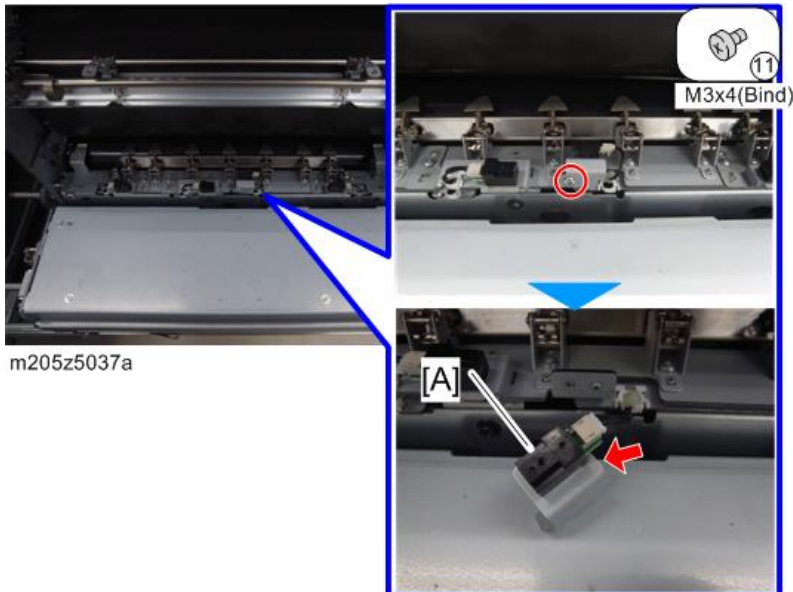
Accordion Jam Sensor

1. Fuser belt smoothing roller unit (page 1187)

2. Fusing exit guide plate (lower) [A] (🔩 ×3)



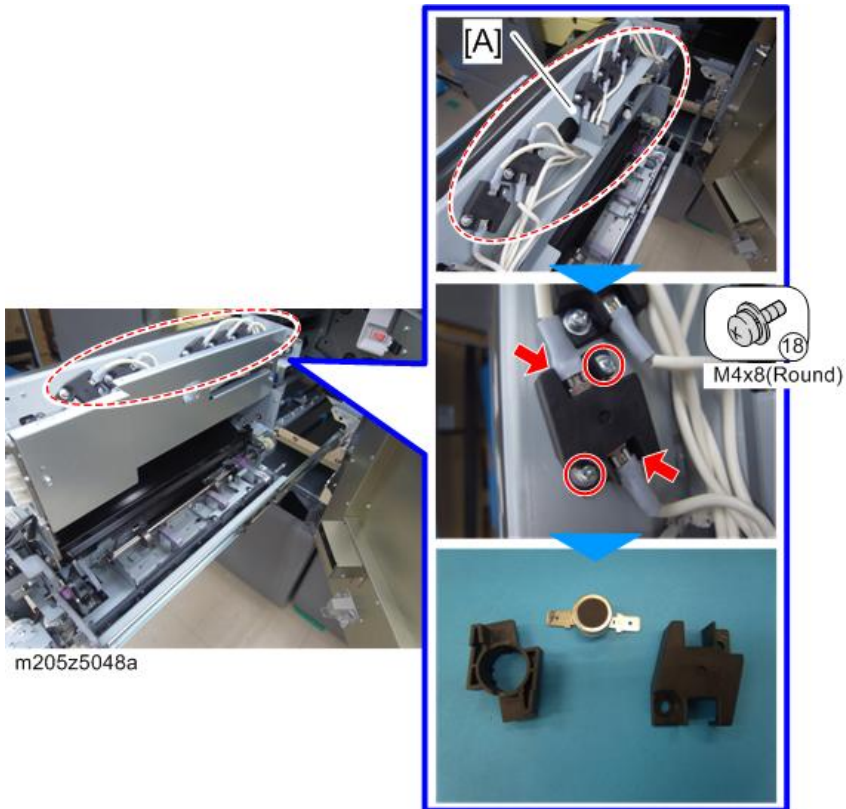
3. Accordion jam sensor [A] (🔩 ×1, 📦 ×1)



Heating Roller Thermostat

1. Fusing cover (page 1153)

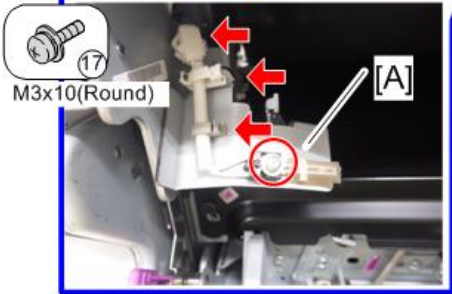
2. Heating roller thermostat [A] (each x2, x2)



Fusing Belt Thermistor (Edge)

1. Withdraw the fuser unit to the service position. (page 1151)

2. Fusing belt thermistor (edge) [A] (🔩 ×2, 🛠️ ×2, 📦 ×1)



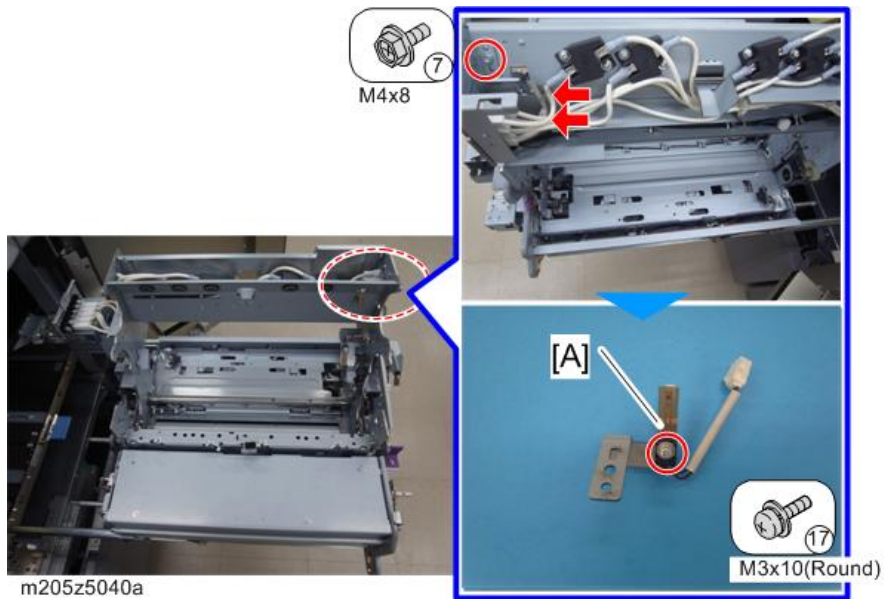
m205z5039b

4

Heating Roller Thermistor (Edge)

1. Fuser belt unit (page 1158)

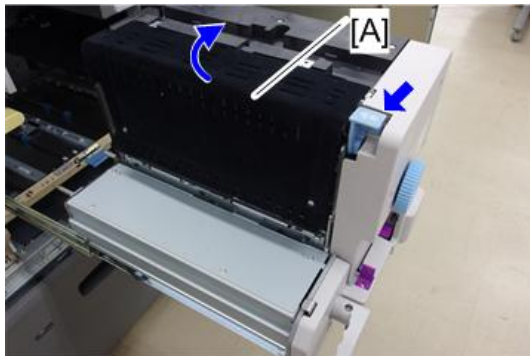
2. Heating roller thermistor (edge) [A] (⑦ ×2, ⑰ ×2)



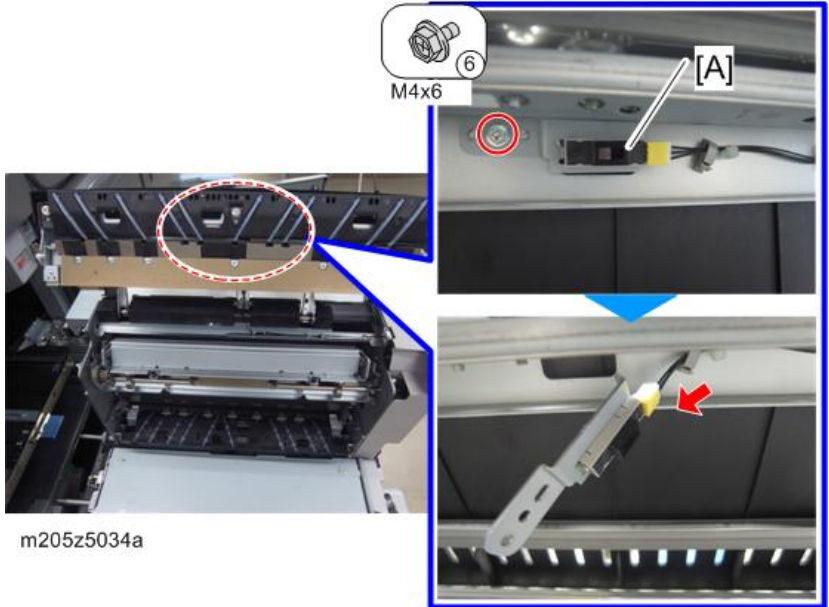
4

Fusing Exit Sensor (Back)

1. Withdraw the fuser unit to the service position. (page 1151)
2. Open the fusing cover [A].

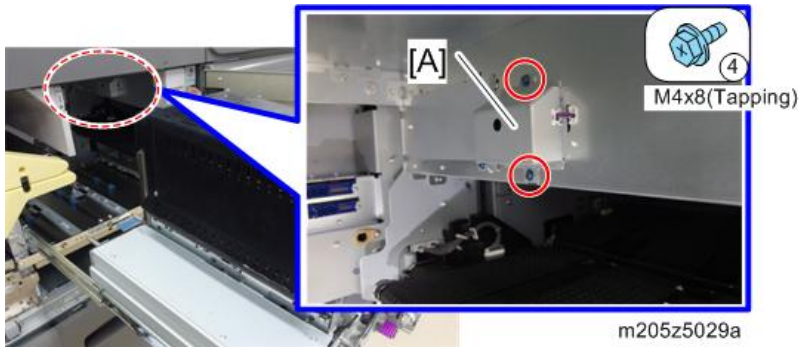


3. Remove the fusing exit sensor (back) [A] located inside the fusing cover. (🔩 ×1, 📦 ×1)

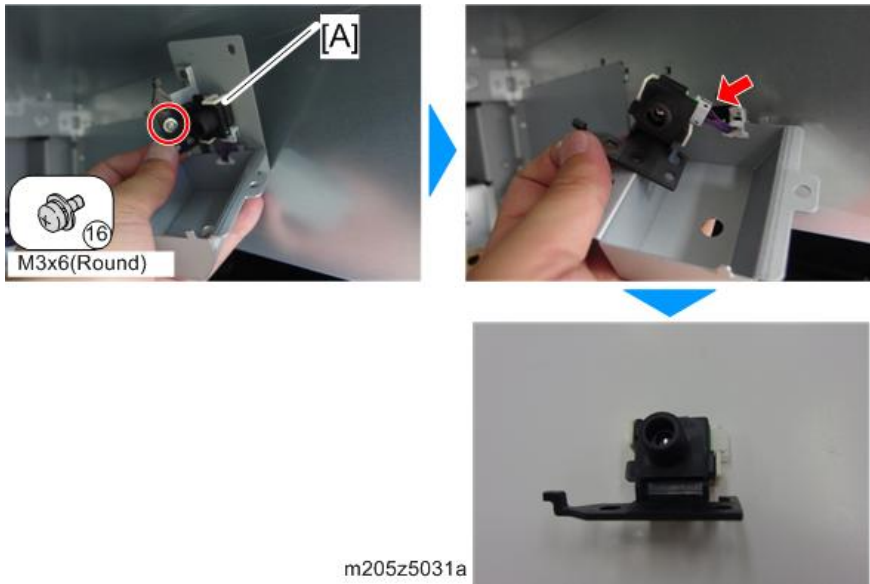


Heating Roller Thermopile

1. Withdraw the fuser unit to the service position. (page 1151)
2. Bracket [A] (🔩 ×2)

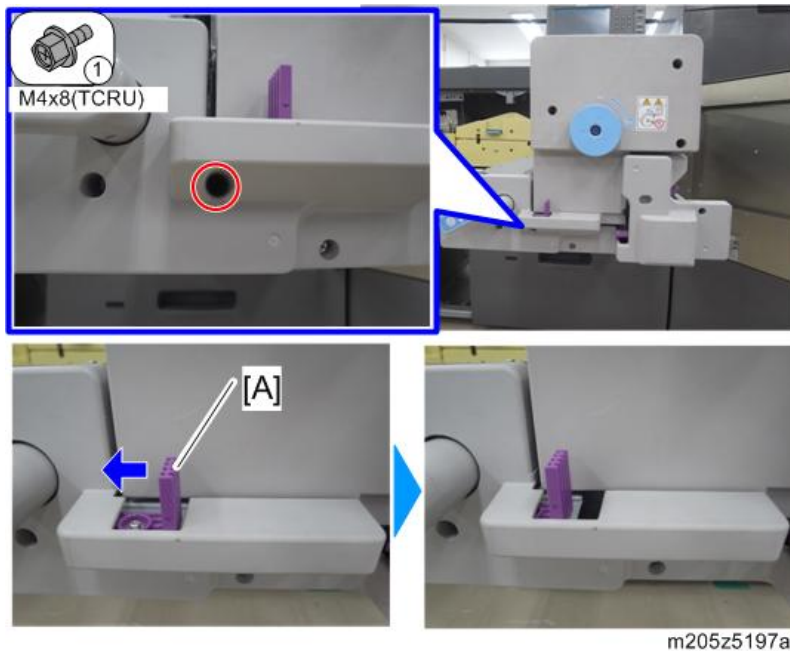


3. Open the bracket and remove the heating roller thermopile [A]. (⚙️ ×1, 📦 ×1)

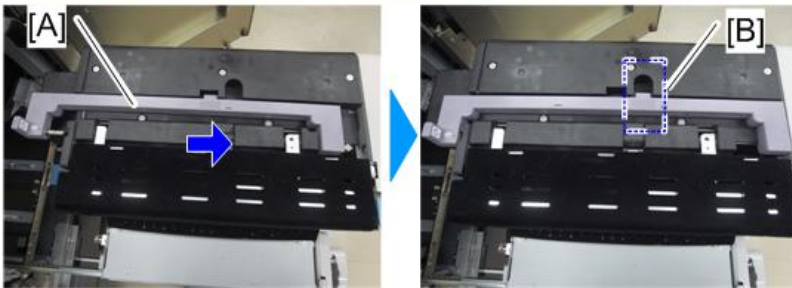


Pressure Roller Thermopile (Edge/Center)

1. Fuser cleaning unit (page 1175)
2. Unlock the lever (TCRU color) [A]. (⚙️ ×1)



3. Attach the handle [A] (provided with the main machine) to the fuser unit.
Slide the handle until it reaches the attachment position [B].

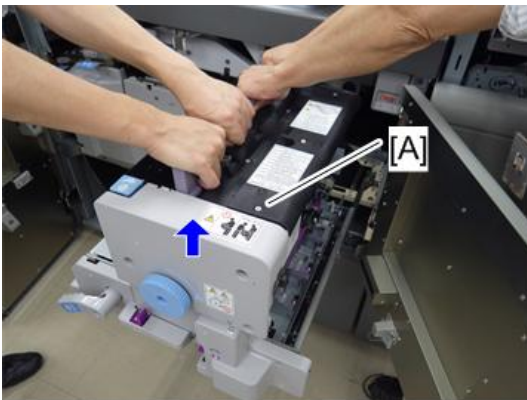


m205z5198

4. Lift the fuser unit [A], and then remove it from the main machine.

⚠ CAUTION

- Since fuser unit is heavy, two or more people are required to remove/install it and be sure to handle it with care.



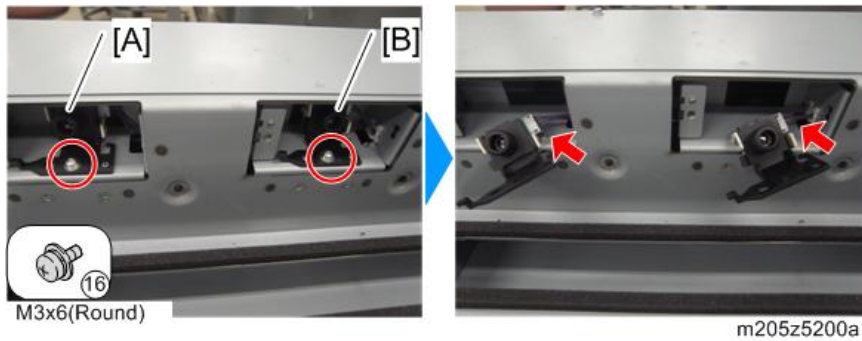
m205z5241

5. Cover [A], cover [B] (🔩×2)



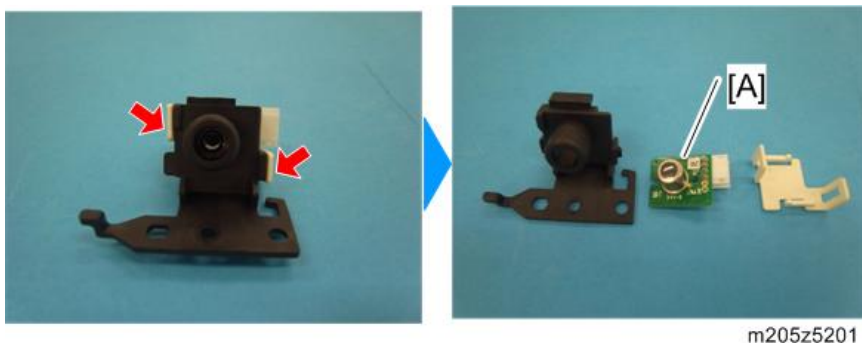
m205z5199a

6. Pressure roller thermopile (edge) [A], pressure roller thermopile (center) [B] (🔩×2, 📦×2)



m205z5200a

7. Remove the hooks, and then remove pressure roller thermopile [A].

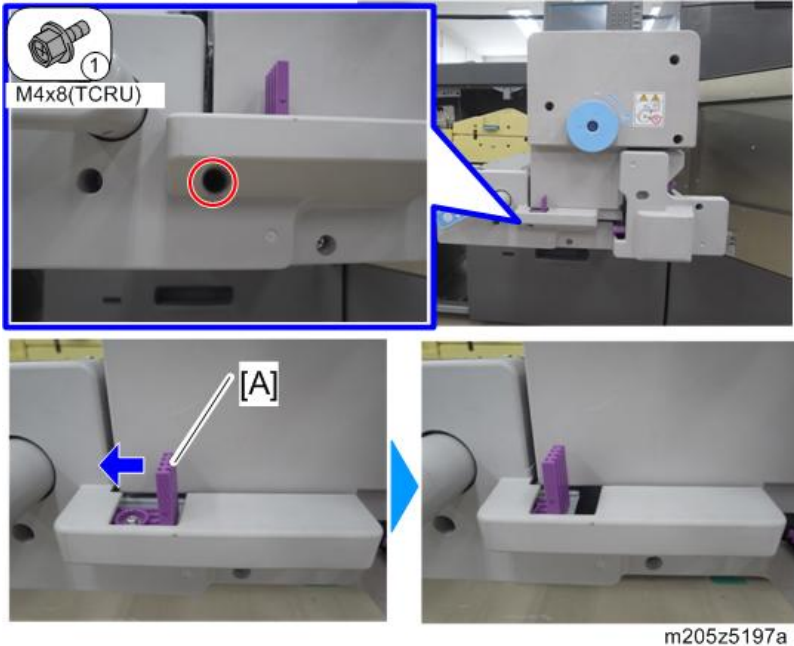


m205z5201

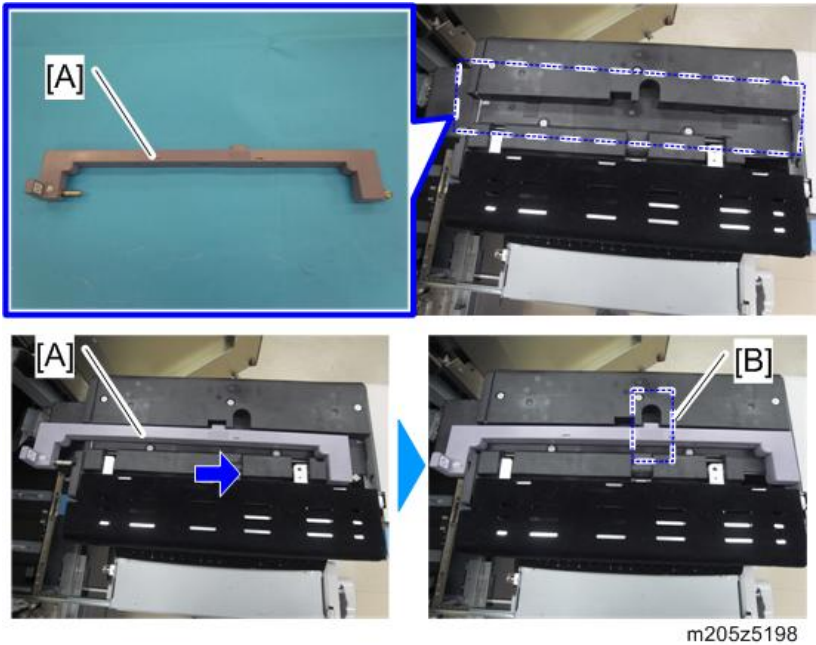
Pressure Roller Intake Fan

1. Fuser cleaning unit (page 1175)

2. Unlock the lever (TCRU color) [A]. (🔑×1)



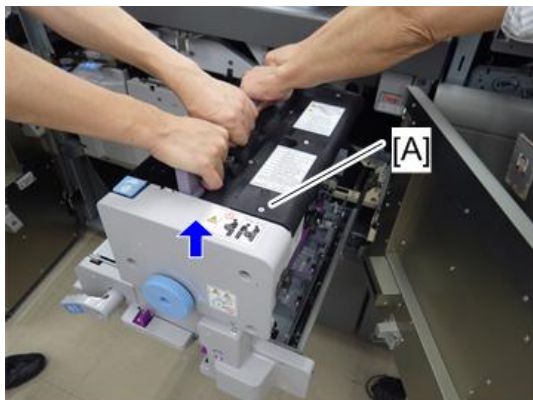
3. Attach the handle [A] (provided with the main machine) to the fuser unit.
Slide the handle until it reaches the attachment position [B].



4. Lift the fuser unit [A], and then remove it from the main machine.

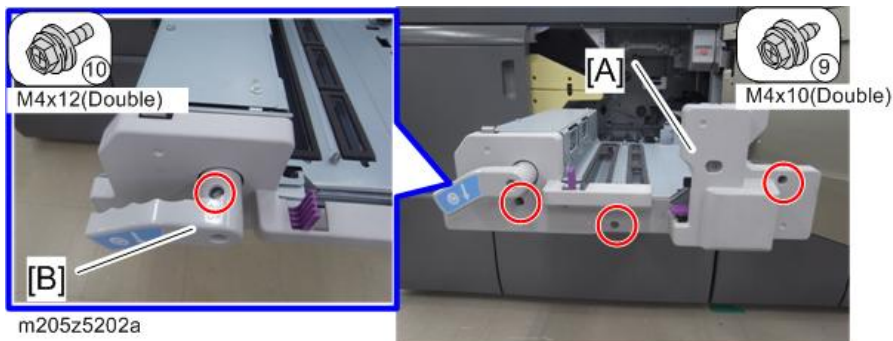
⚠ CAUTION

- Since fuser unit is heavy, two or more people are required to remove/install it and be sure to handle it with care.



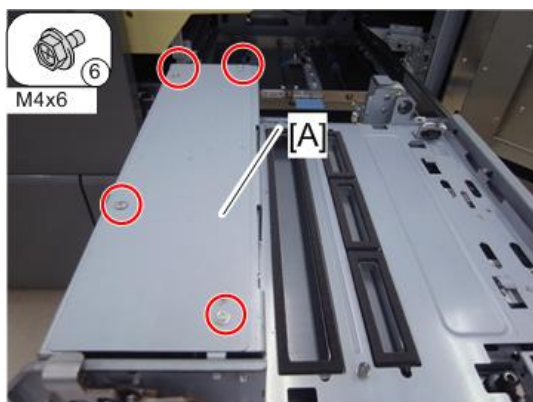
m205z5241

5. Fusing front cover (drawer) [A], handle [B] (Ⓜ \times 4)



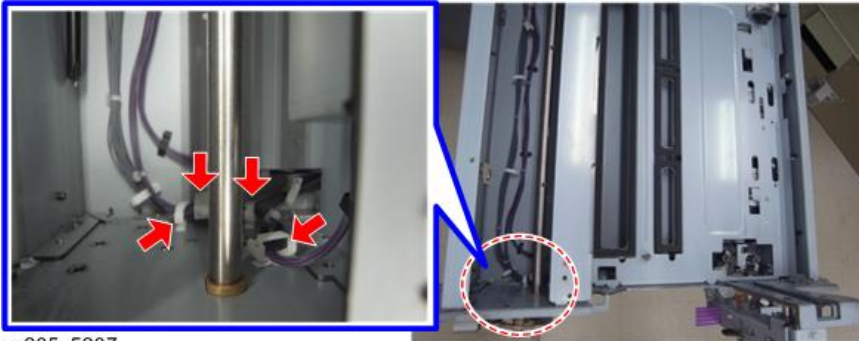
m205z5202a

6. Cover [A] (Ⓜ \times 4)



m205z5203a

7. Open the clamps and disconnect the connector at front. (🔧×3, 📦×1)



m205z5207

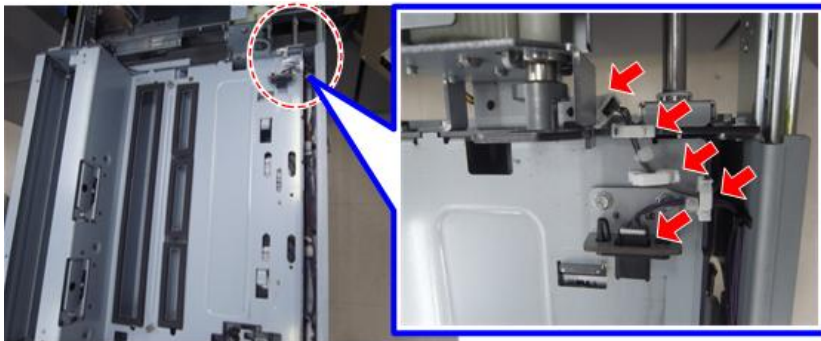
4

8. Positioning plate [A] (🔧×2)



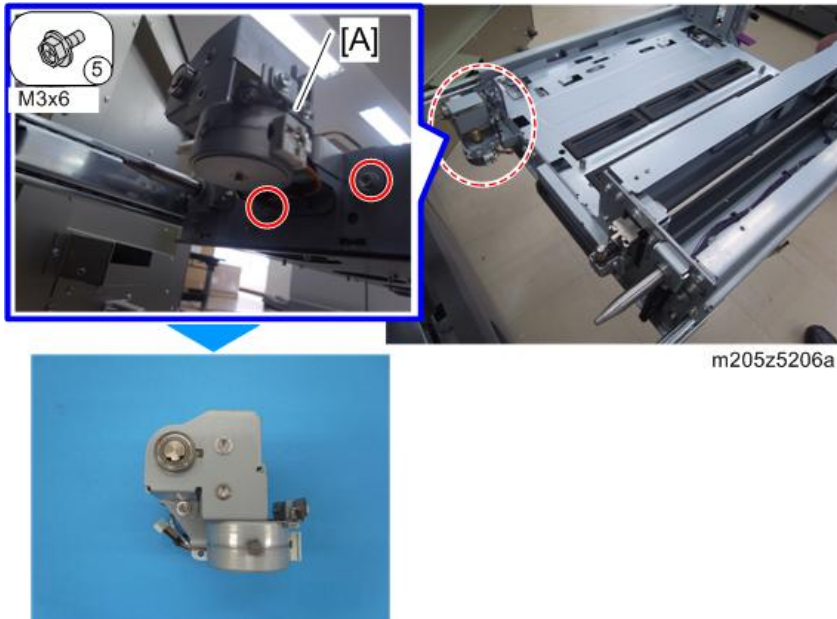
m205z5204a

9. Open the clamps and disconnect the connectors at rear. (🔧×3, 📦×2)



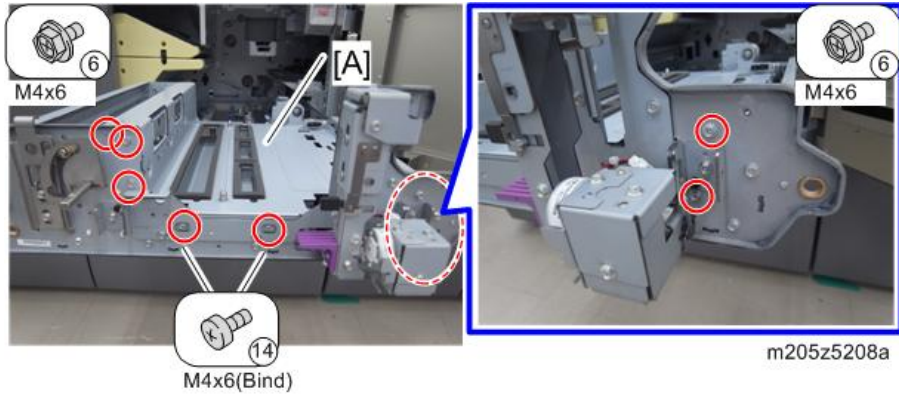
m205z5205

10. Cleaning web contact motor unit [A] (⑤×2)

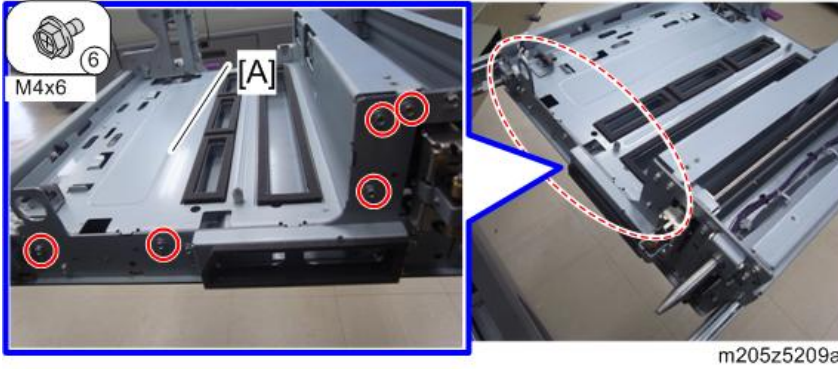


4

11. Remove the screws fixing the bottom plate [A] at front side. (⑥×7)

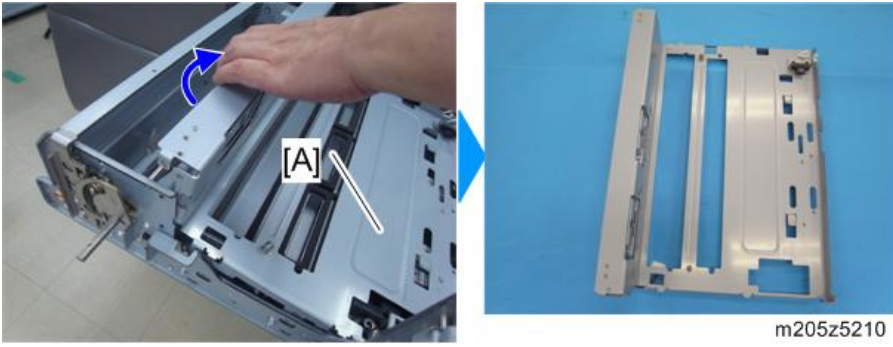


12. Remove the screws fixing the bottom plate [A] at rear side. (6 × 5)

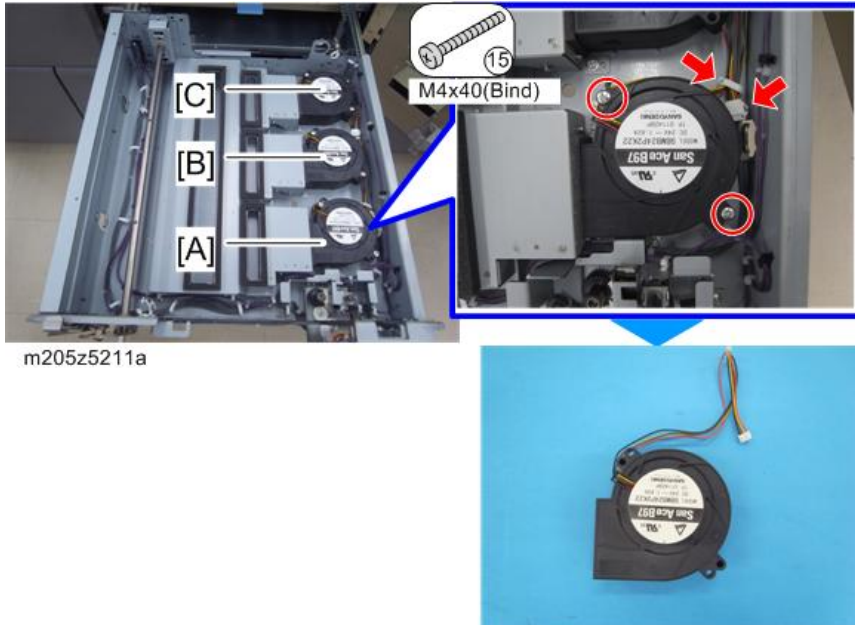


4

13. Bottom plate [A]



14. Remove the pressure roller intake fan 1 [A], pressure roller intake fan 2 [B], pressure roller intake fan 3 [C]. (🌀x2 each, 📦x1 each)



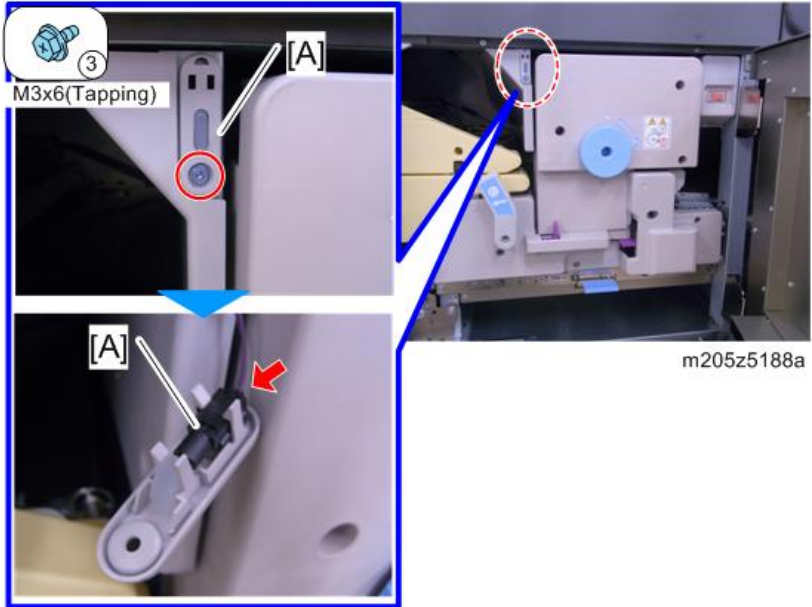
4

Fusing Unit LED

1. Open the right front door (fusing section) [A].



2. Fusing unit LED [A] (🔩 ×1, 📦 ×1)

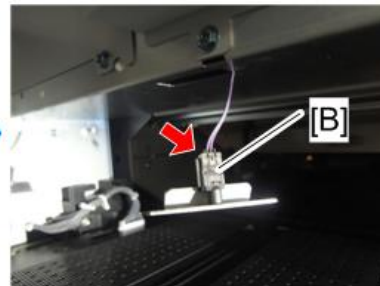
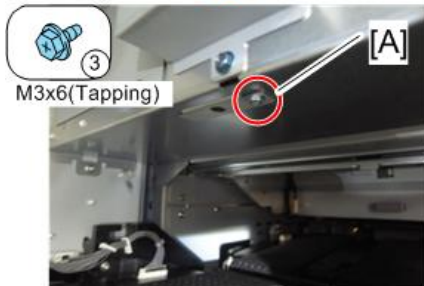


4

Fusing Entrance LED

1. Withdraw the fuser unit to the service position. (page 1151)

2. Remove the fusing entrance LED [B] from the bracket [A]. (🔩 ×1, 📦 ×1)



Paper Cooling Unit

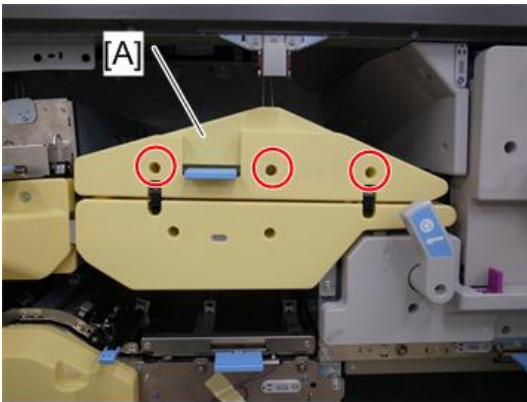
Paper Cooling Belt (Upper)

1. Open the left front door [A] and right front door [B] of the fusing section.



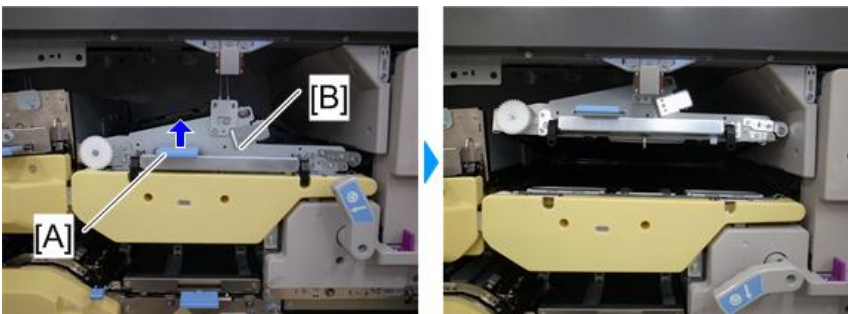
m205z5001

2. Paper cooling unit inner cover (upper) [A] (⊙x3)



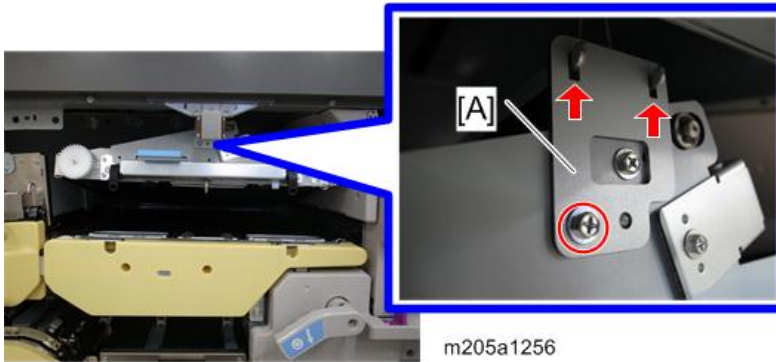
m205a1254

3. Lift the lever [A] to open the paper cooling unit [B].



m205a1255

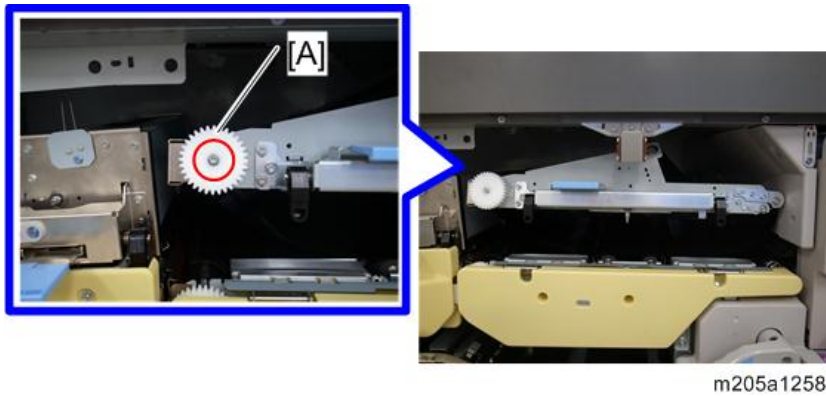
4. Wire cover plate [A] (⊗×1, hook×2)



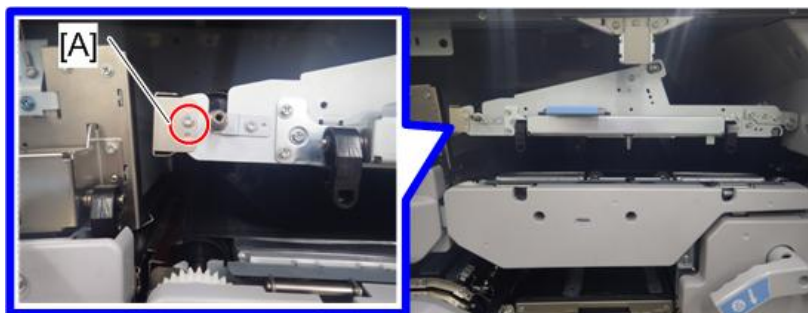
5. Upper tension roller [A] (⊗×1)



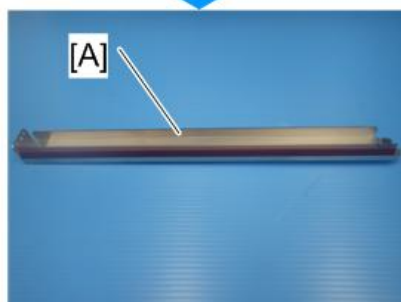
6. Gear [A] (⊗×1)



7. Exit guide plate (upper) [A] (🔑 ×1)

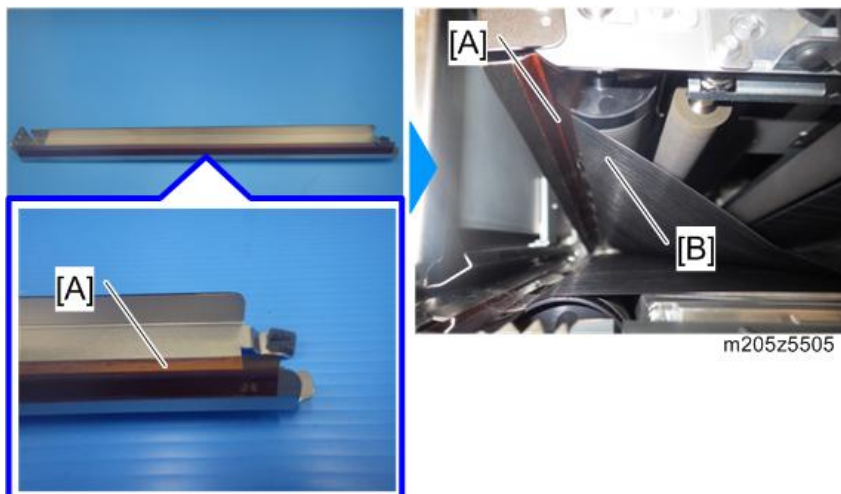


m205a1259a



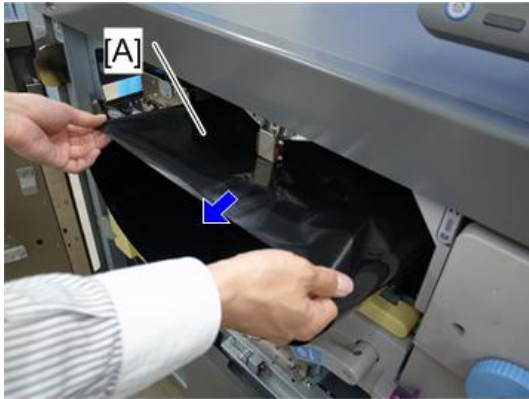
⬇ Note

- When installing the exit guide plate (upper), make sure that the sheet [A] of the exit guide plate (upper) contacts the paper cooling belt (upper) [B].



m205z5505

8. Pull out the paper cooling belt (upper) [A] to remove it.

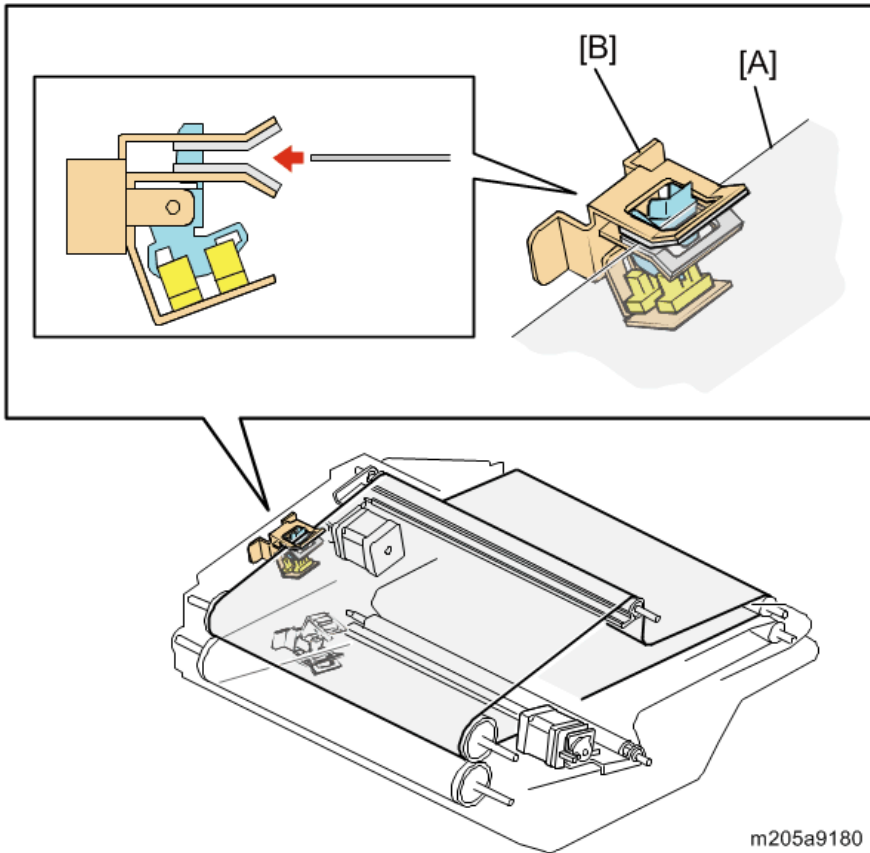


m205a1260

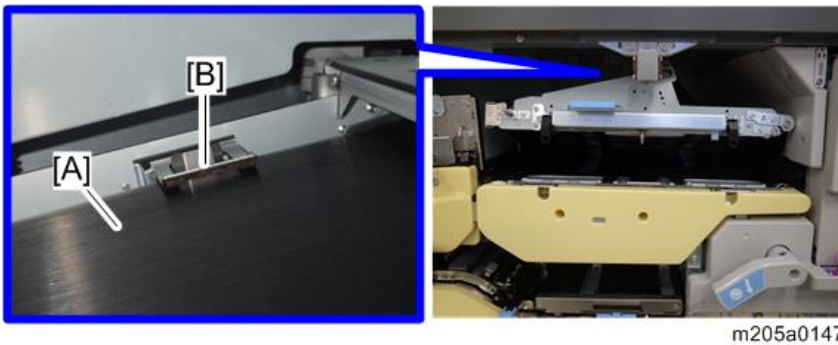
4

Installing the Paper Cooling Belt (Upper)

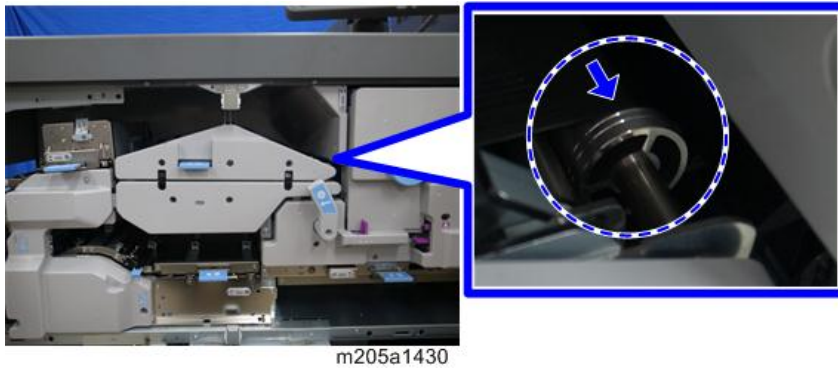
- When installing the paper cooling belt (upper), insert the belt [A] in the opening of belt overrun sensor (upper) [B]. If the belt is not installed correctly, SC518-01 (Paper Cooling Belt (Upper) Overrun Error) will occur.



After installing the paper cooling belt (upper), check that belt [A] is in between the opening of belt overrun sensor (upper) [B] as shown below.



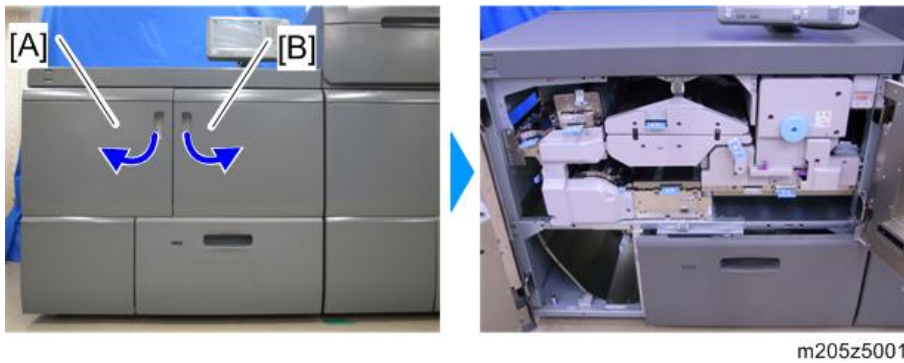
- When you re-attach the paper cooling belt, rotate it 3 times to relieve excessive tension in the belt. The belt edge must be positioned between the lines engraved on the roller.



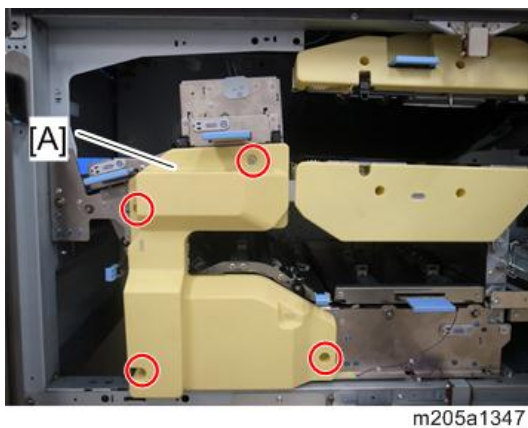
Paper Cooling Belt (Lower)

4

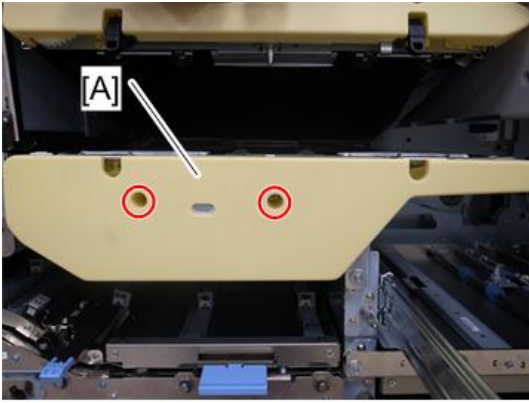
1. Open the left front door [A] and right front door [B] of the fusing section.



2. Withdraw the fuser unit to the service position. (page 1151)
3. Paper switch back unit inner cover [A] (⊗×4)

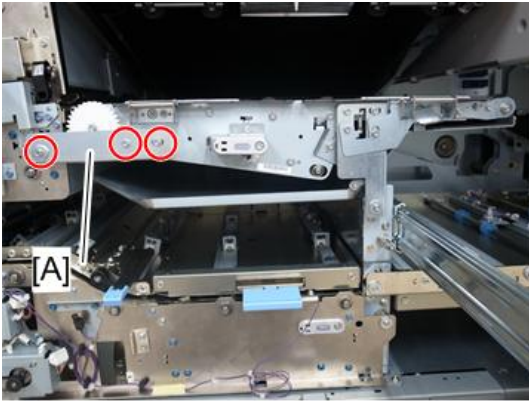


4. Paper cooling unit inner cover (lower) [A] (🔩×2)



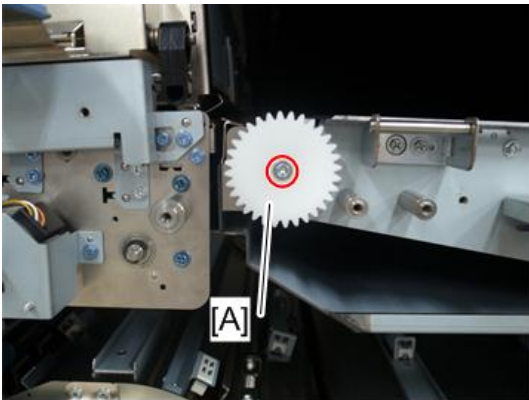
m205a1348

5. Plate [A] (🔩×3)



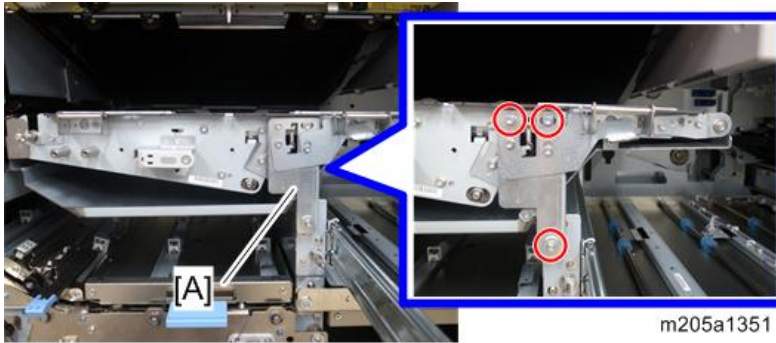
m205a1349

6. Gear [A] (🔩×1)

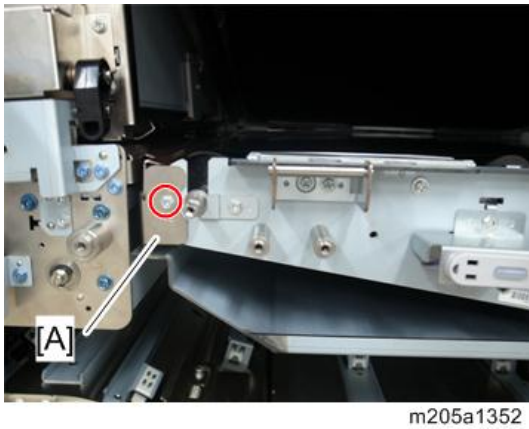


m205a1350

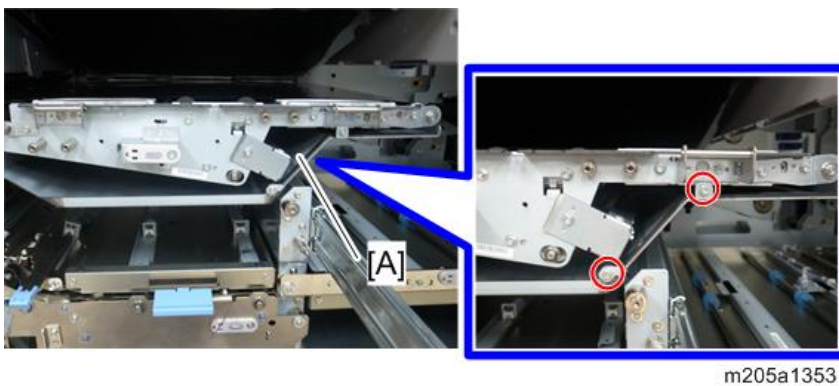
7. Plate [A] (🔑×3)



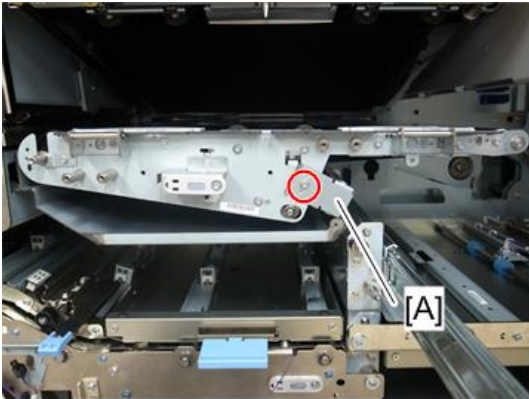
8. Exit guide plate (lower) [A] (🔑×1)



9. Paper cooling unit bottom cover (right) [A] (🔑×2)

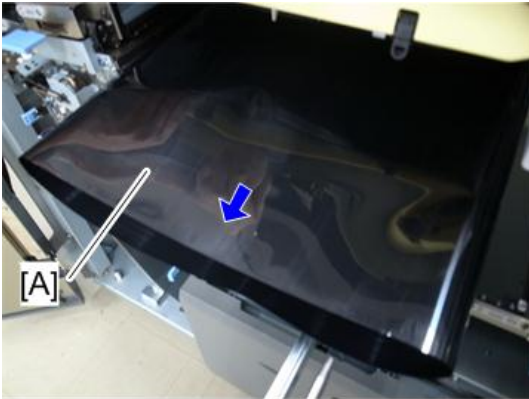


10. Lower tension roller [A] (⌀×1)



m205a1354

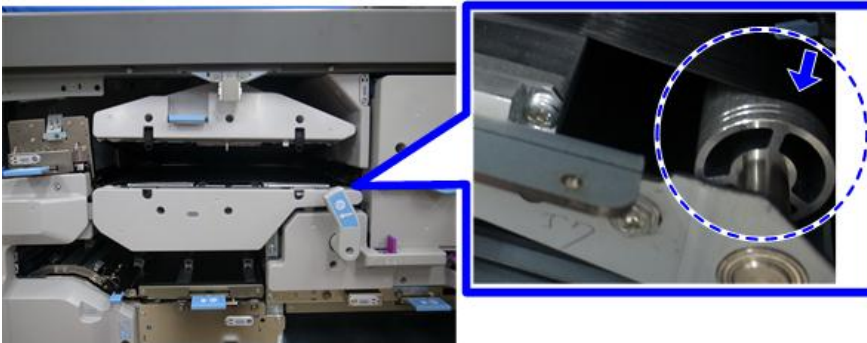
11. Pull out the paper cooling belt (lower) [A] to remove it.



m205a1355

↓ Note

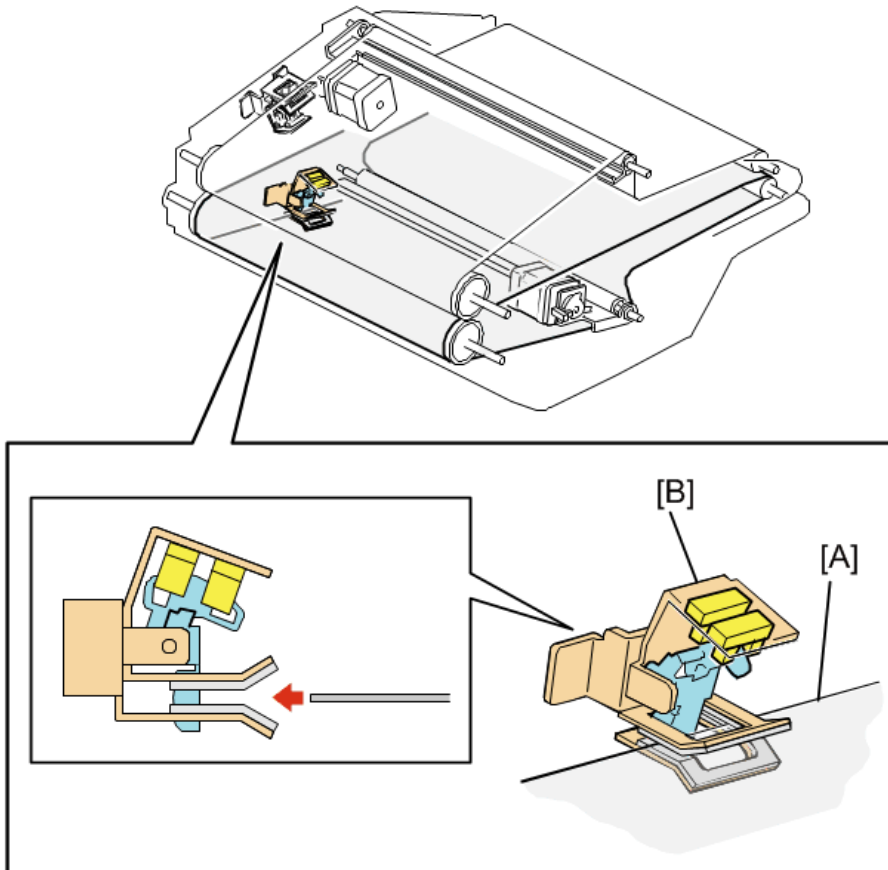
- When you re-attach the paper cooling belt, rotate it 3 times to relieve excessive tension in the belt.
- The belt edge must be positioned between the lines engraved on the roller.



m205a1431

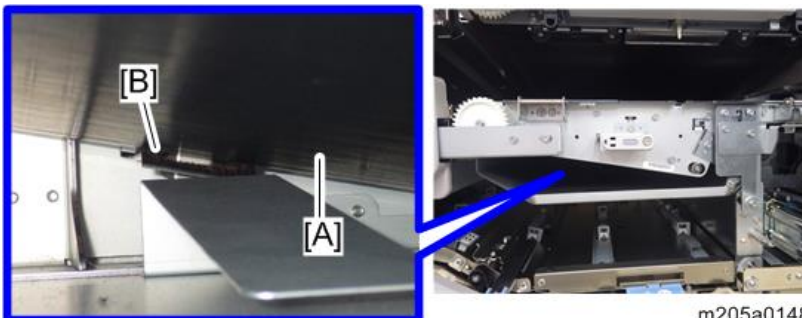
Installing the Paper Cooling Belt (Lower)

- When installing the paper cooling belt (lower), insert the belt [A] in the opening of belt overrun sensor (lower) [B]. If the belt is not installed correctly, SC518-02 (Paper Cooling Belt (Lower) Overrun Error) will occur.



m205a9181

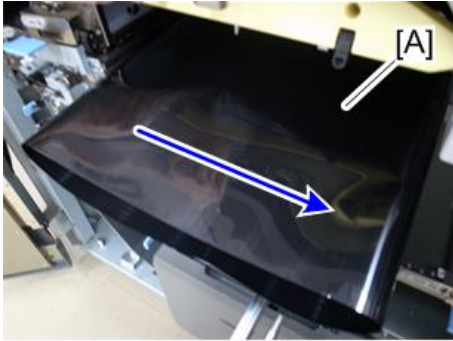
After installing the paper cooling belt (lower), check that belt [A] is in the opening of belt overrun sensor (lower) [B] as shown below.



m205a0148

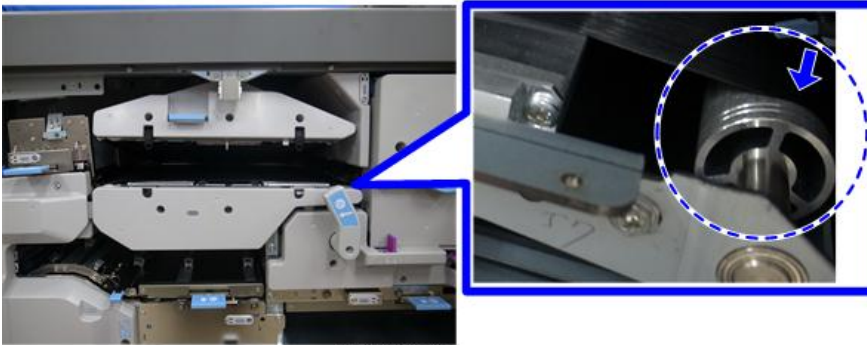
Note

- The edge of the paper cooling belt is curled. Therefore, it is easier to insert the belt in the opening of belt overrun sensor (lower) while rotating the belt [A] clockwise.



m205a0149

- When you re-attach the paper cooling belt, rotate it 3 times to relieve excessive tension in the belt. The belt edge must be positioned between the lines engraved on the roller.



m205a1431

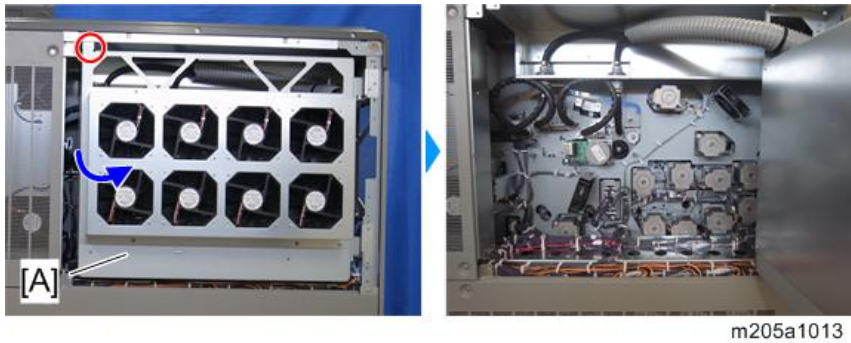
Paper Cooling Unit

Important

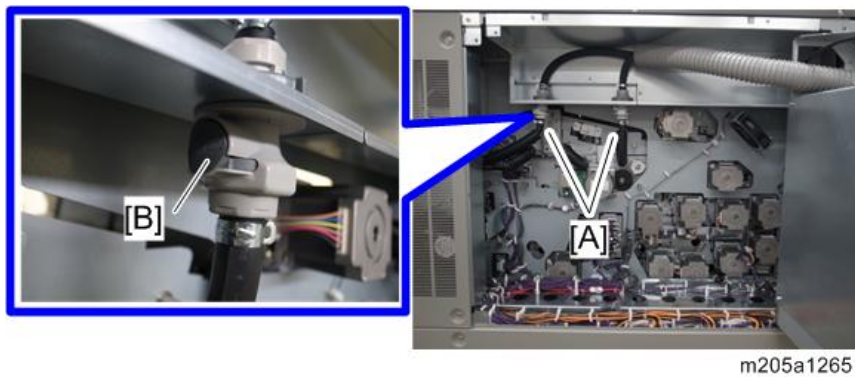
- Since the paper cooling unit is heavy, two or more people are required to move it and be sure to handle it with care.

1. Duct cover (fusing section) (page 700)

2. Open the paper cooling belt fan bracket [A]. (🔧×1)



3. Push the buttons [B] on the joint of the tubes [A], and then disconnect them (tube×2).



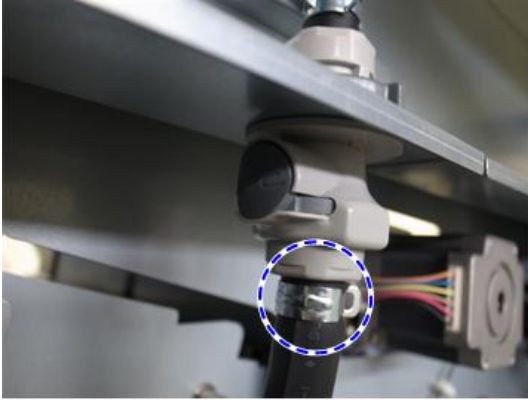
↓ Note

- When the tube is disconnected, a small amount of cooling liquid leaks. So, when you disconnect the tube, cover the tube with cloth as shown below.



- Do not push the button on the joint except when you are disconnecting the tube. Do not push it after the tube is disconnected. Otherwise, cooling liquid will leak.

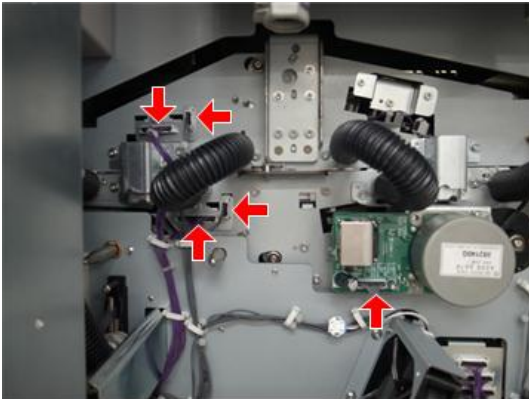
- After you re-connect the tube, make sure it is connected correctly by pulling it downward.
- Do not remove the bands on the tube.



m205a1374

4

4. Remove the connectors. (📦 x5)



m205a1267

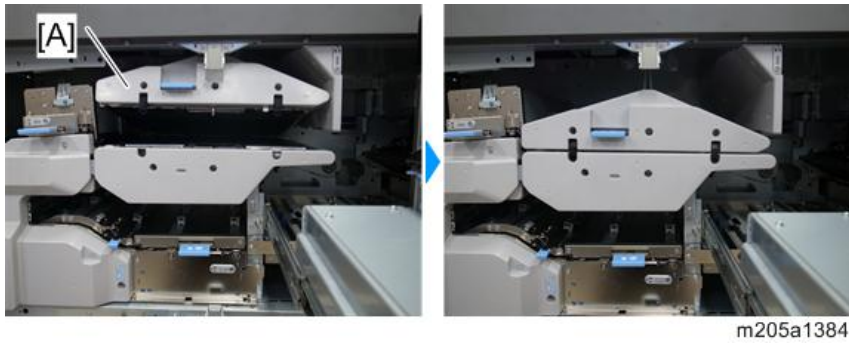
5. Open the left front door [A] and right front door [B] of the fusing section.



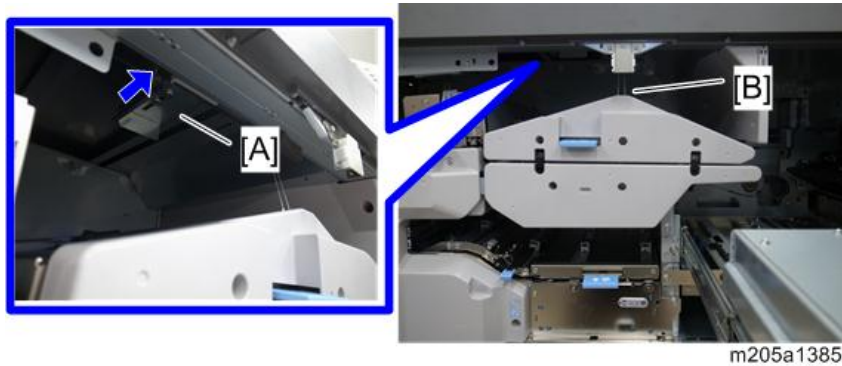
m205z5001

6. Withdraw the fuser unit to the service position. (page 1151)

7. Close the paper cooling unit [A].

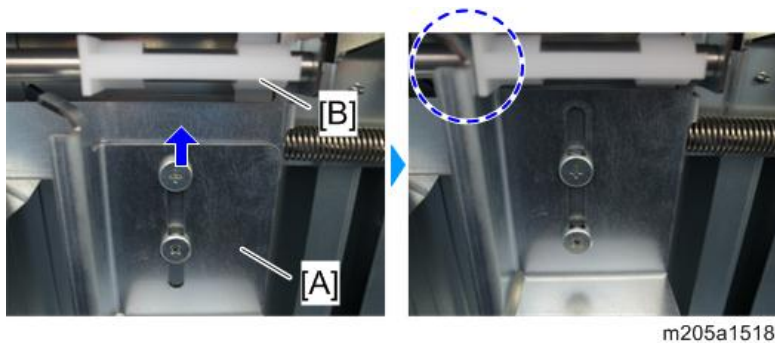


8. When the paper cooling unit is closed, pull the stopper [A] toward you to lock the paper cooling unit wire [B] by fixing the slider.

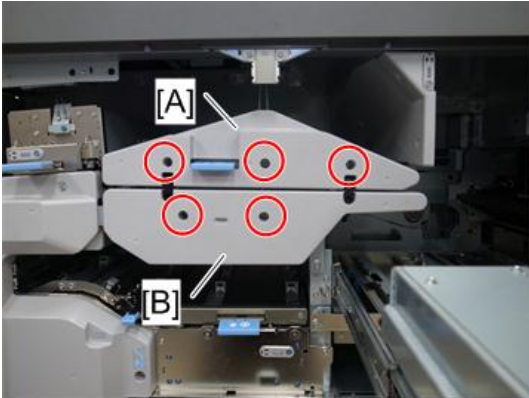


Note

- To remove the wires from paper cooling unit safely, make sure that the slider [B] is fixed by the stopper [A] and cannot be moved leftward.

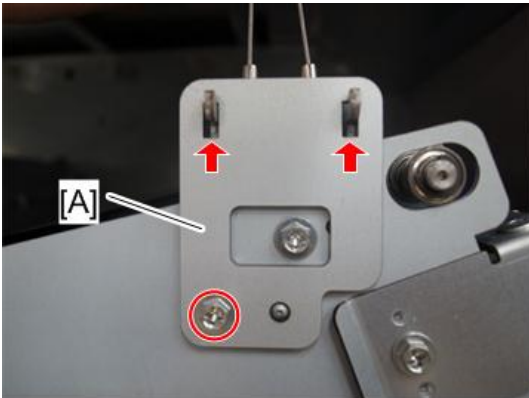


9. Paper cooling unit inner cover (upper) [A] and paper cooling unit inner cover (lower) [B] (⌀×5)



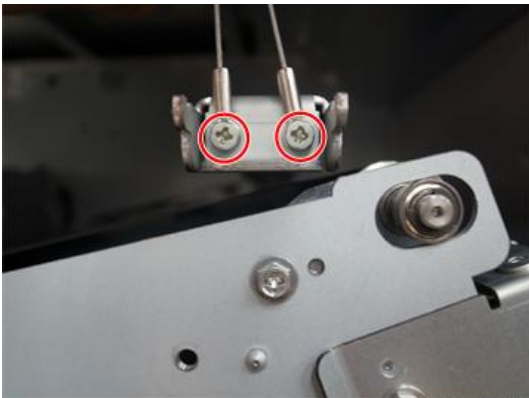
m205a1269

10. Wire cover plate [A] (⌀×1, hook×2)



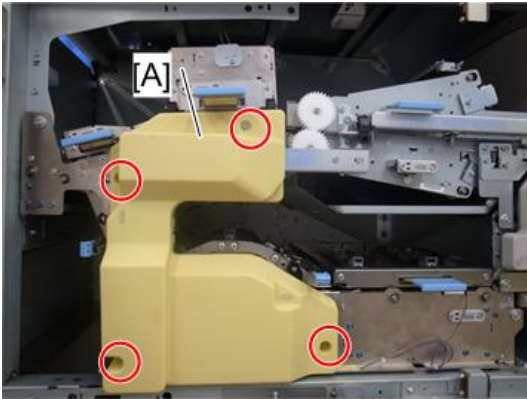
m205a1386

11. Remove two wires. (⌀×2)



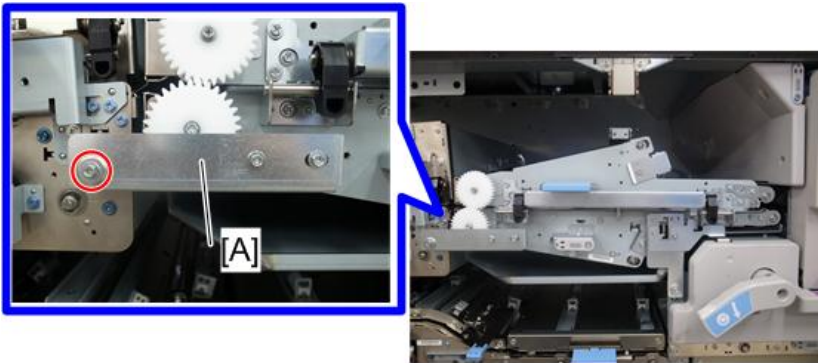
m205a1387

12. Paper switch back unit inner cover [A] (⌀×4)



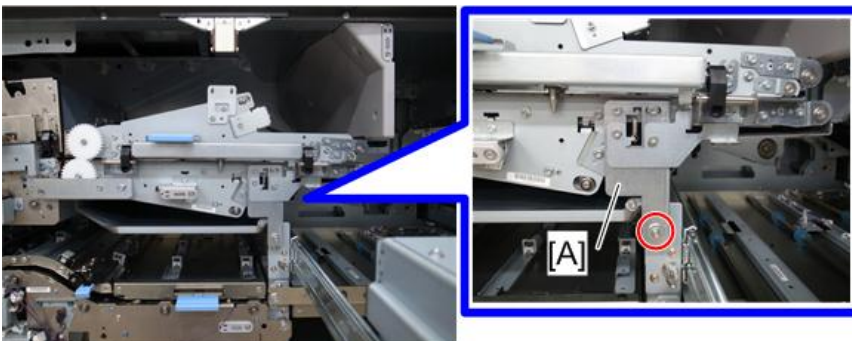
m205a1270

13. Remove the screw on the left side of the plate [A]. (⌀×1)



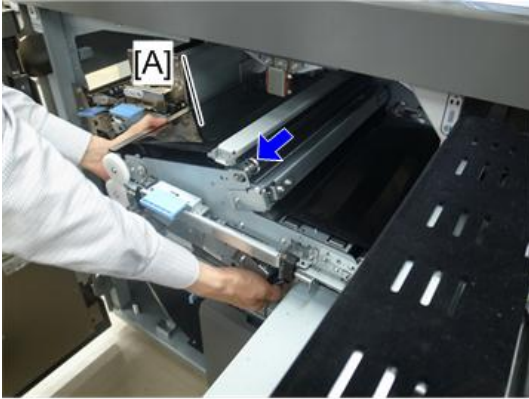
m205a1271

14. Remove the screw on the downside of the plate [A]. (⌀×1)



m205a1272

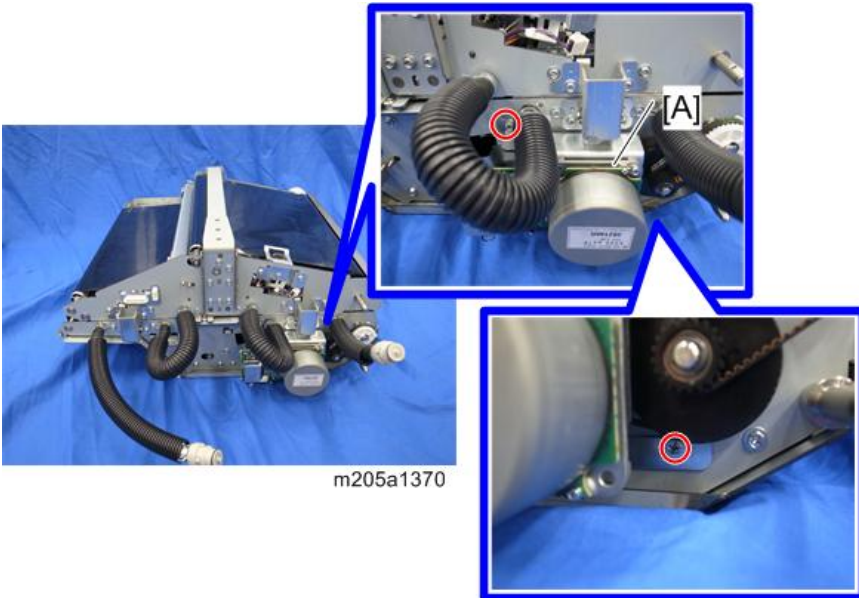
15. Pull out the paper cooling unit [A] to remove it.



m205a1273

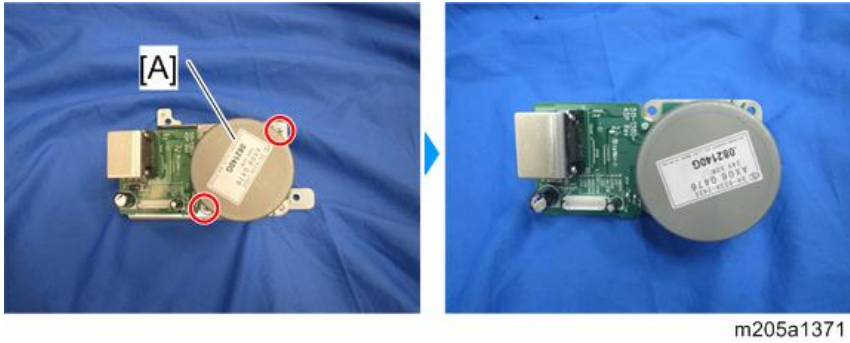
Paper Cooling Belt Motor

1. Paper cooling unit (page 1220)
2. Paper cooling belt motor bracket [A] (Ⓢ ×2)



m205a1370

3. Paper cooling belt motor [A] (🔑 ×2)

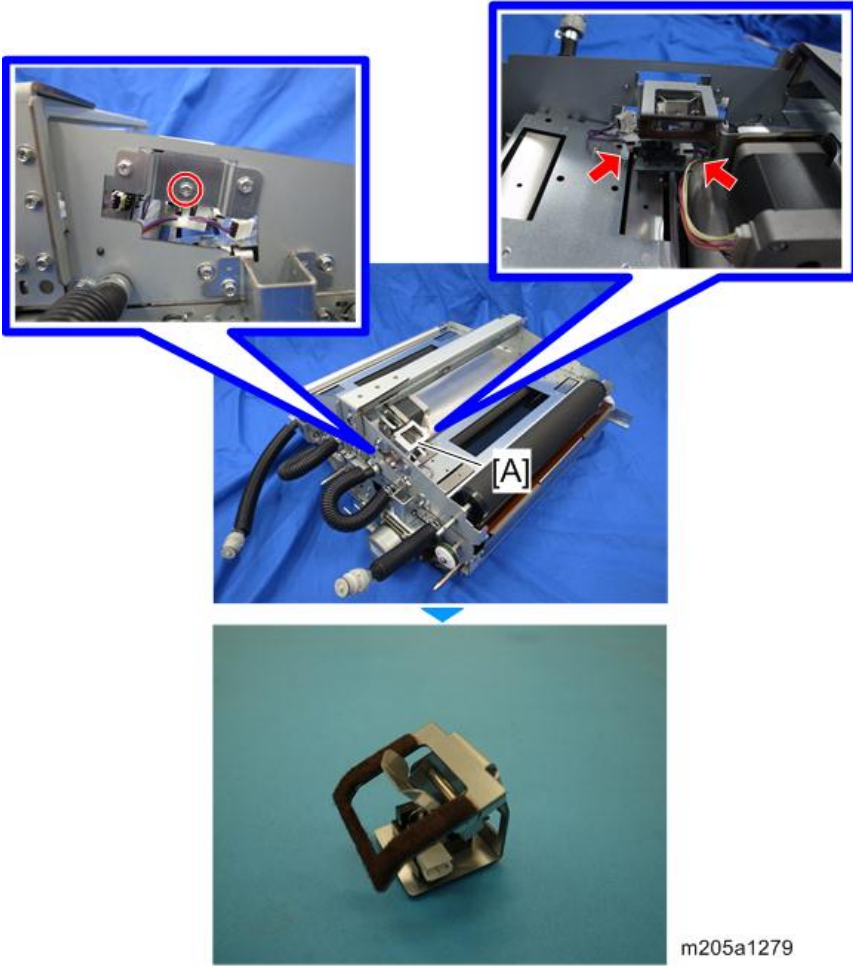


Belt Overrun Sensor (Upper 1 / Upper 2)

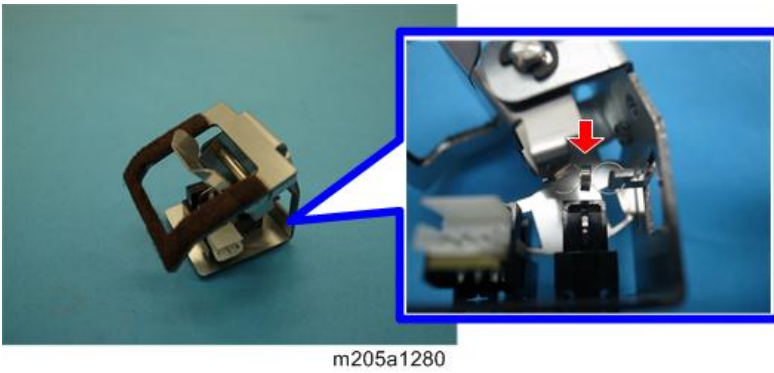
4

1. Paper cooling belt (upper) (page 1210)
2. Paper cooling unit (page 1220)

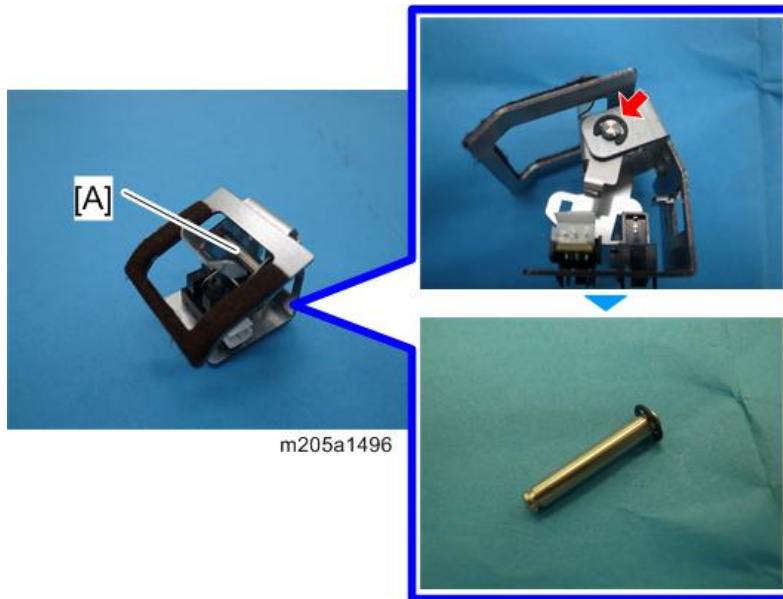
3. Sensor bracket [A] (🔩×1, 📦×2)



4. Remove the spring. (🌀×1)



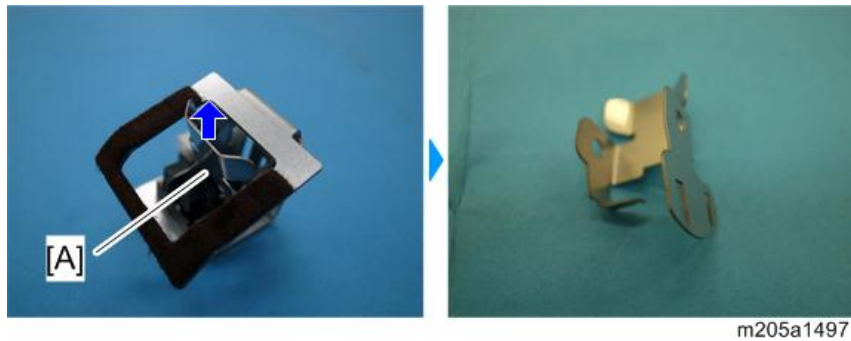
5. Remove the e-ring, and then remove the shaft [A]. (⑧×1)



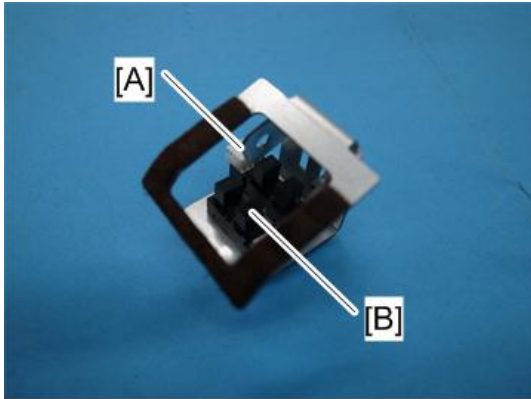
↓ Note

- E-rings are attached on the both ends of the shaft but shaft can be removed by removing only one e-ring.

6. Sensor plate [A]



7. Remove the sensor.



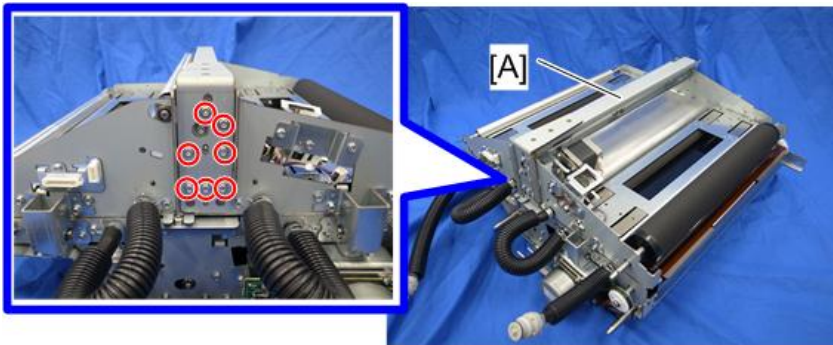
m205a1498

[A]: Belt Overrun Sensor (Upper 1)

[B]: Belt Overrun Sensor (Upper 2)

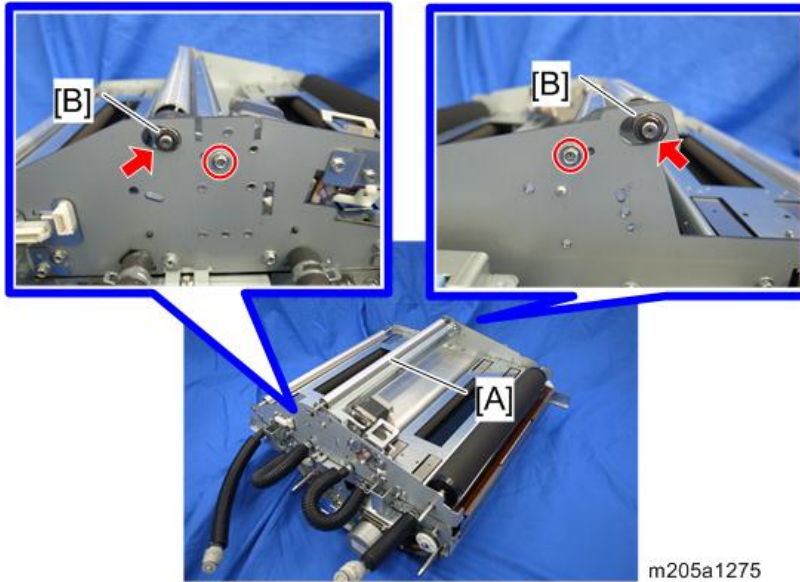
Belt Centering Roller Sensor (Upper)/ Belt Centering Roller Motor (Upper)

1. Paper cooling belt (upper) (page 1210)
2. Paper cooling unit (page 1220)
3. Stay [A] (🔩×7)



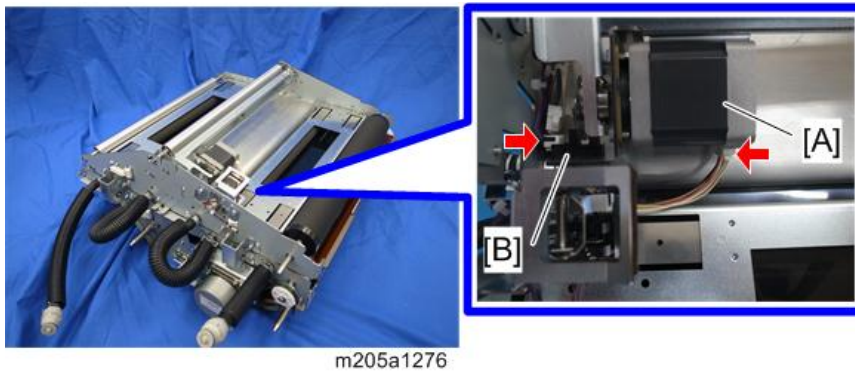
m205a1274

4. Remove the screws and bearings [B] on the belt centering roller unit [A]. (⌀×2, ⌀×2, bearing×2)

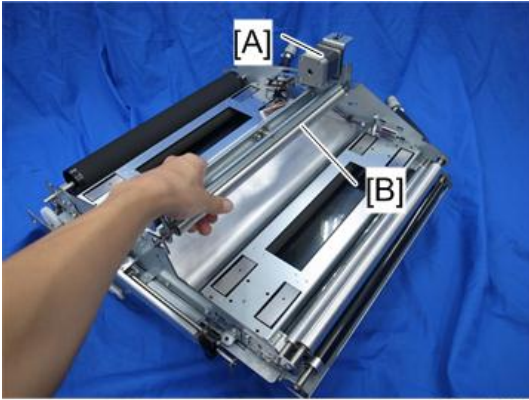


4

5. Disconnect the connectors on the belt centering roller sensor (upper) [A] and belt centering roller motor (upper) [B]. (⊞×2)



6. Rotate the belt centering roller unit [B] to move up the centering roller motor (upper) [A], and then remove the belt centering roller unit.



m205a1277

7. Belt centering roller sensor (upper) [A]



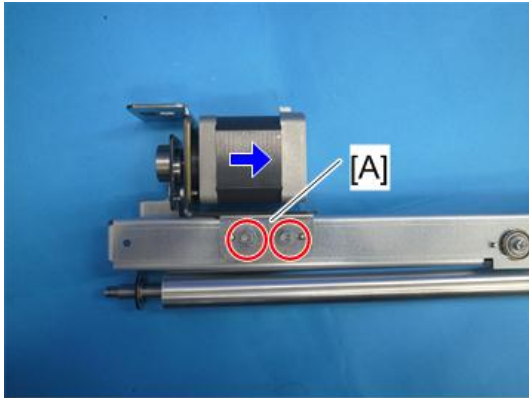
m205a1278

8. Plate [A] (⌀ × 2)



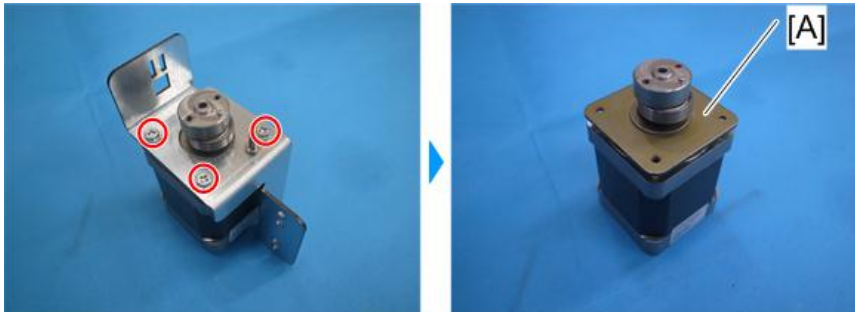
m205a1281

9. Remove the motor bracket [A] by sliding it rightward. (⚙️×2)



m205a1282

10. Belt centering roller motor (upper) [A] (⚙️×3)

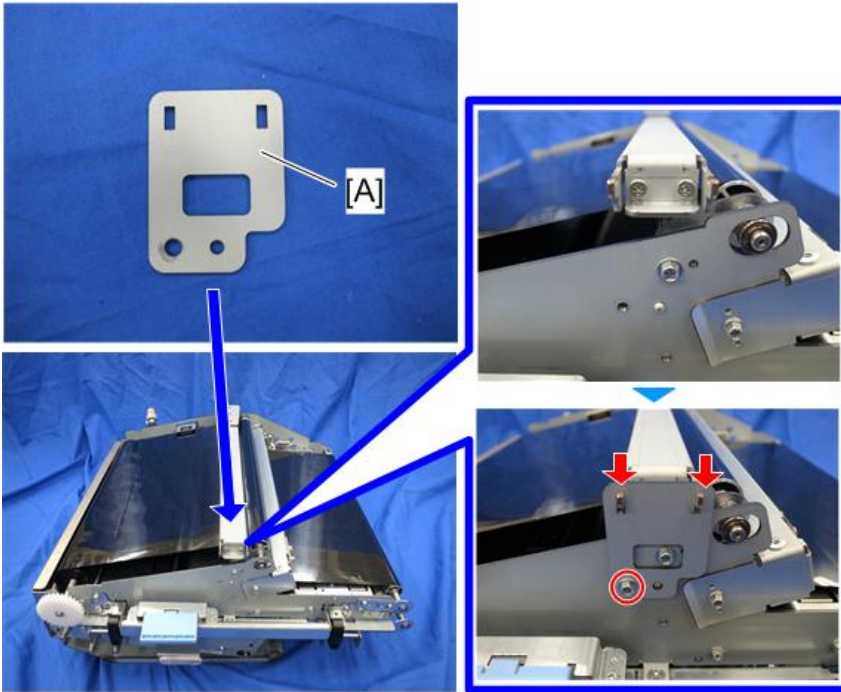


m205a1283

Belt Overrun Sensor (Lower 1/ Lower 2)

1. Paper cooling belt (lower) (page 1215)
2. Paper cooling unit (page 1220)

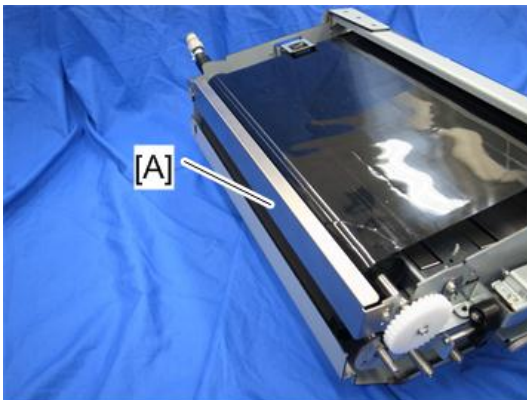
3. Attach the wire cover plate [A]. (⚙️×1, hook×2)



m205a1544

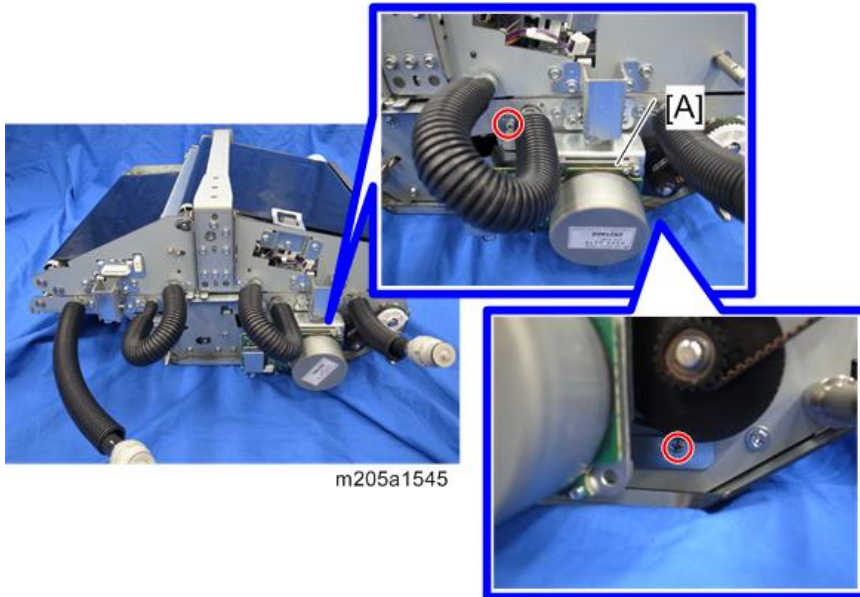
↓ Note

- Attach the wire cover plate to prevent the paper cooling belt (upper) from contacting a floor or table directly when the paper cooling unit is placed upside down. Also, make sure that the exit guide plate (upper) [A] is attached.



m205a1558

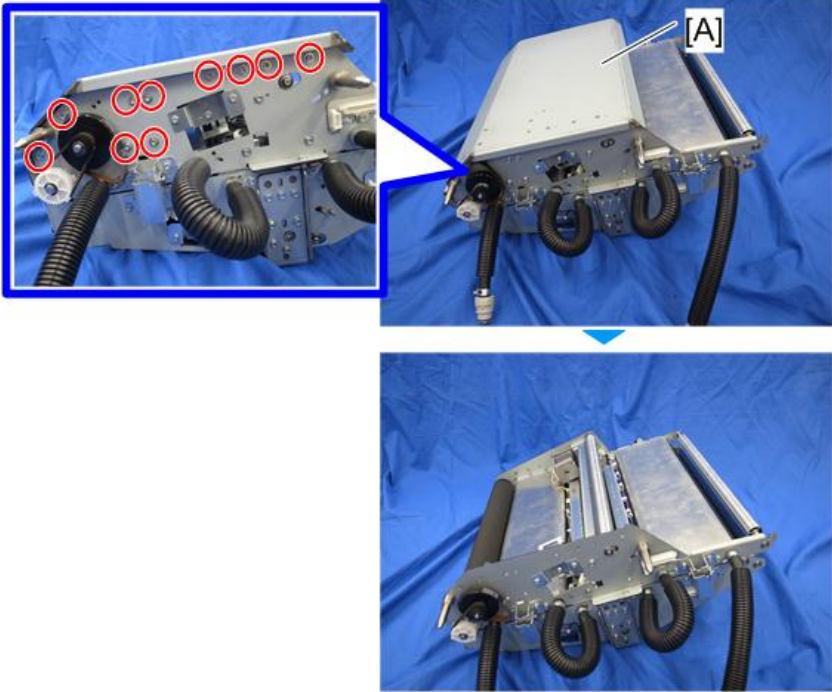
4. Paper cooling belt motor bracket [A] (⑤ ×2)



5. Turn the paper cooling unit upside down.

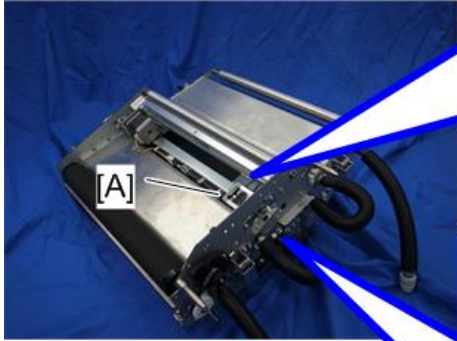


6. Paper cooling unit bottom cover [A] (🔑×10)

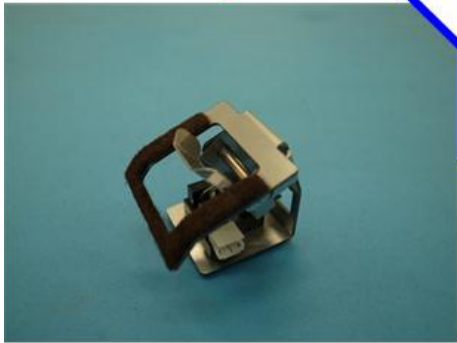


m205a1547

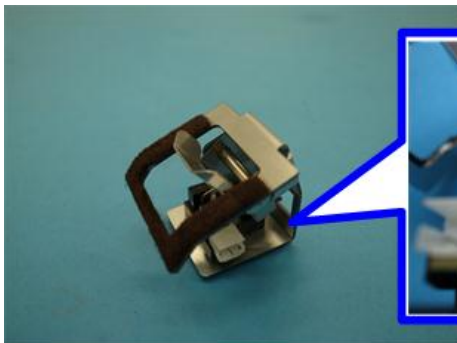
7. Sensor bracket [A] (🔩×1, 📦×2)



m205a1548

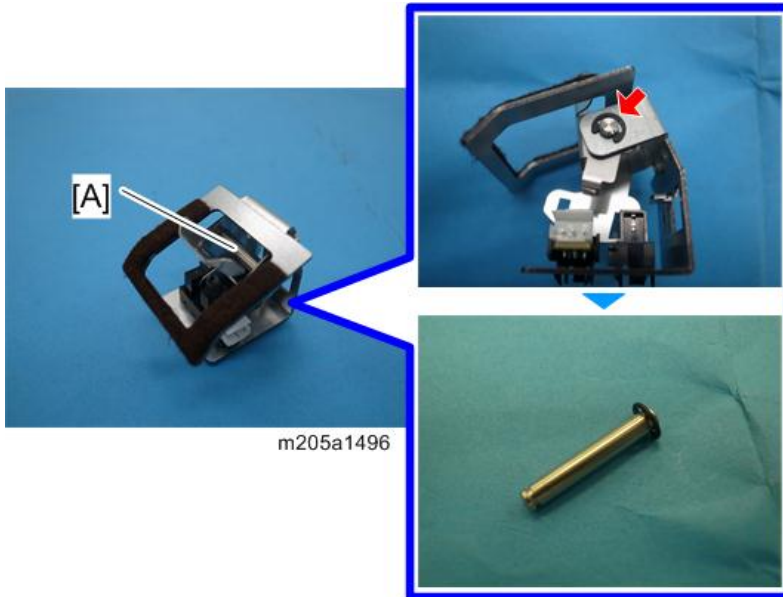


8. Remove the spring. (🌀×1)



m205a1280

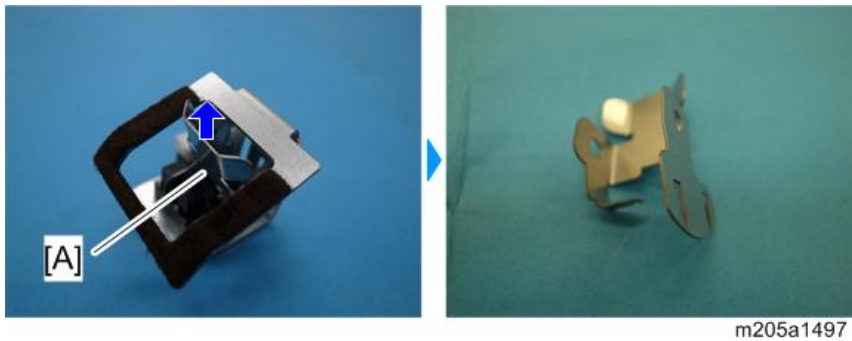
9. Remove the e-ring, and then remove the shaft [A]. (⑧×1)

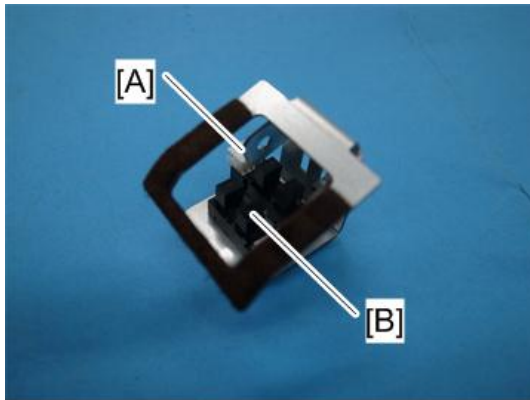


↓ Note

- E-rings are attached on the both ends of the shaft but shaft can be removed by removing only one e-ring.

10. Sensor plate [A]



11. Remove the sensor.

m205a1498

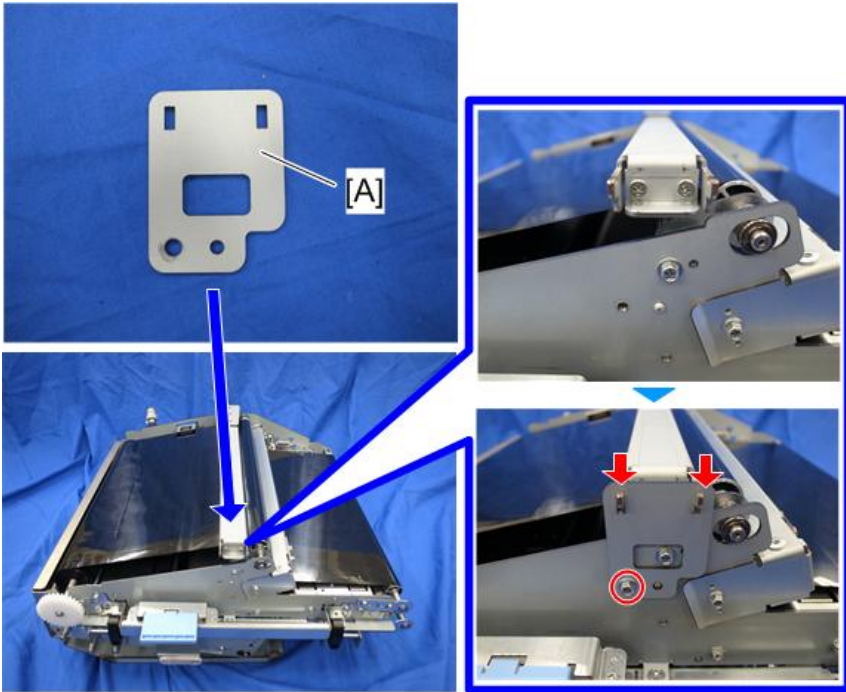
[A]: Belt Overrun Sensor (lower 1)

[B]: Belt Overrun Sensor (lower 2)

Belt Centering Roller Sensor (Lower)/Belt Centering Roller Motor (Lower)

1. Paper cooling belt (lower) (page 1215)
2. Paper cooling unit (page 1220)

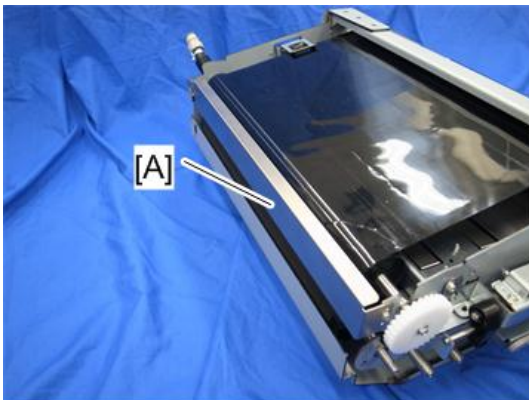
3. Attach the wire cover plate [A]. (⚙️×1, hook×2)



m205a1544

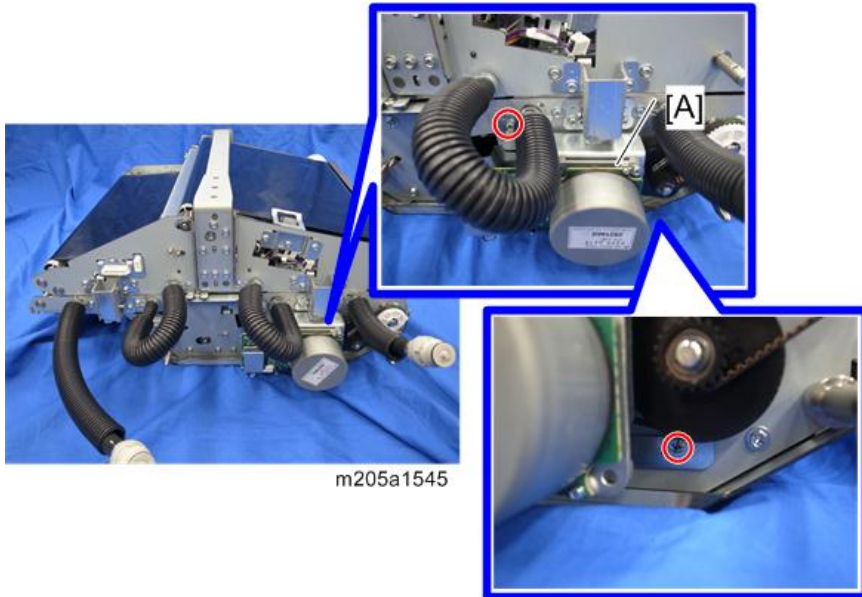
↓ Note

- Attach the wire cover plate to prevent the paper cooling belt (upper) from contacting a floor or table directly when the paper cooling unit is placed upside down. Also, make sure that the exit guide plate (upper) [A] is attached.



m205a1558

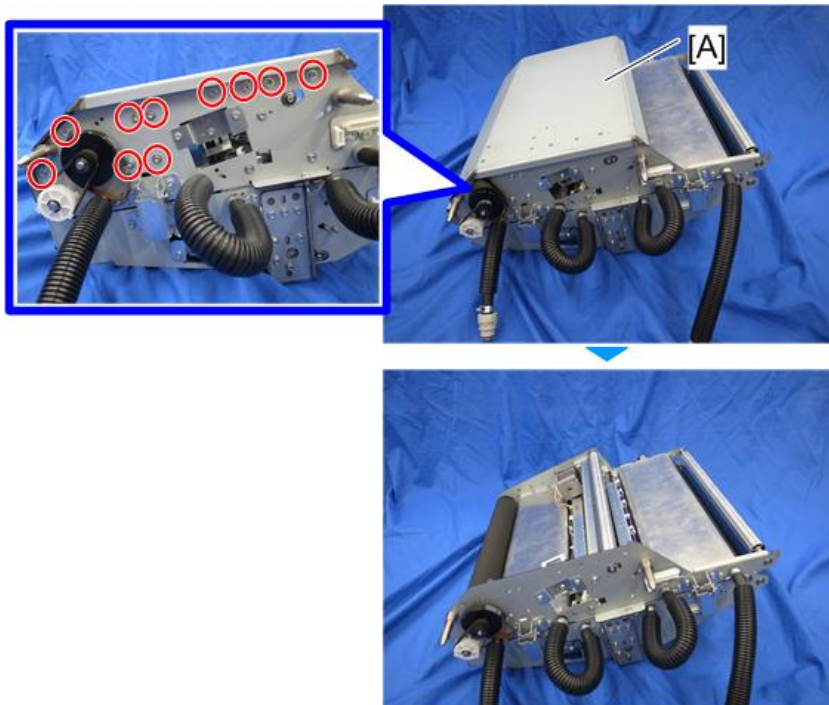
4. Paper cooling belt motor bracket [A] (⑤ ×2)



5. Turn the paper cooling unit upside down.

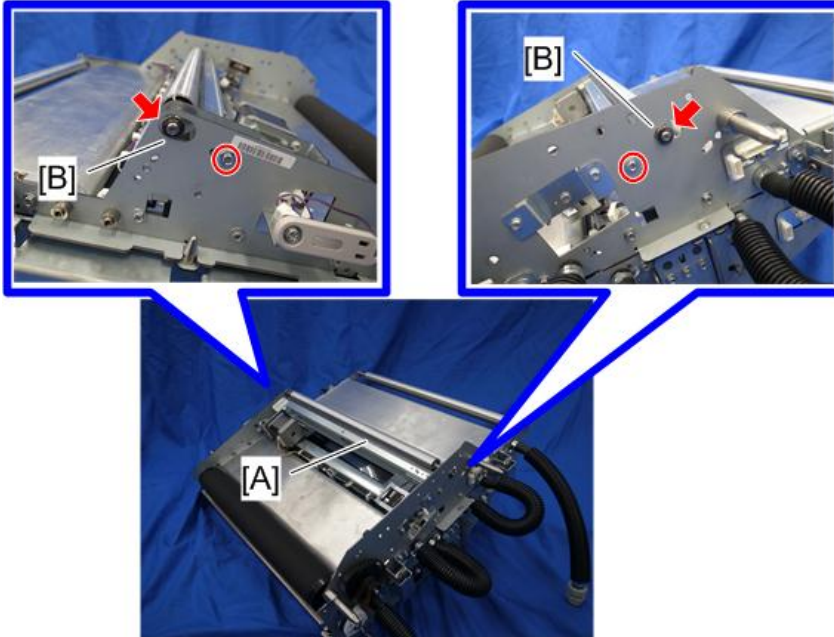


6. Paper cooling unit bottom cover [A] (🔑×10)



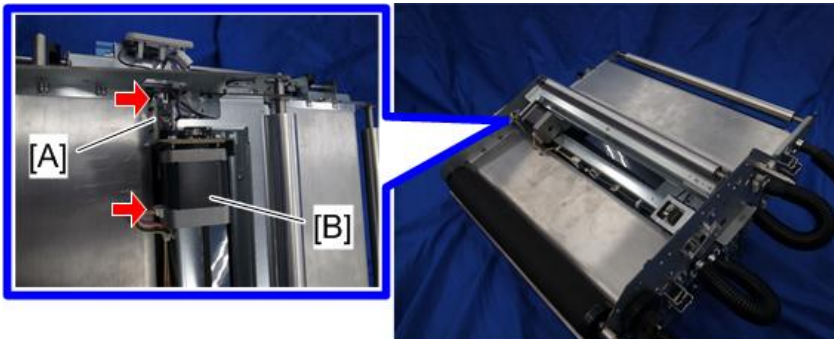
m205a1547

7. Remove the screws and bearings [B] on the belt centering roller unit [A]. (⚙️×2, ⚙️×2, bearing×2)



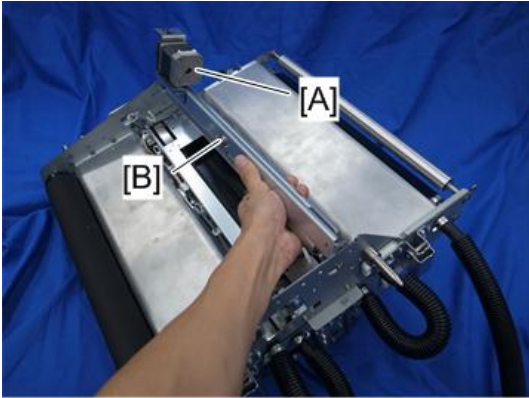
m205a1549

8. Disconnect the connectors on the belt centering roller sensor (lower) [A] and belt centering roller motor (lower) [B]. (🔌×2)



m205a1550

- 9. Rotate the belt centering roller unit [B] to move up the centering roller motor (lower) [A], and then remove the belt centering roller unit.



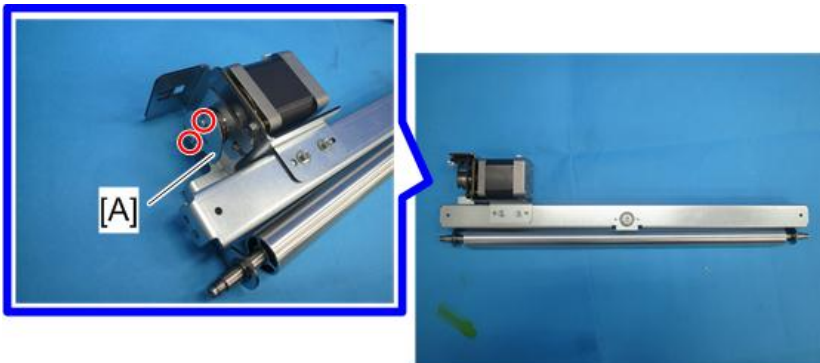
m205a1551

- 10. Belt centering roller sensor (lower) [A]



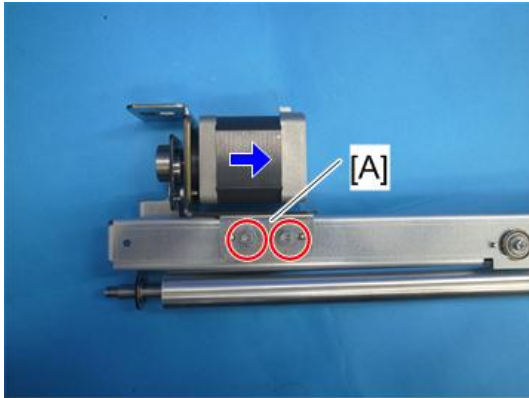
m205a1278

- 11. Plate [A] (⚙️ x2)



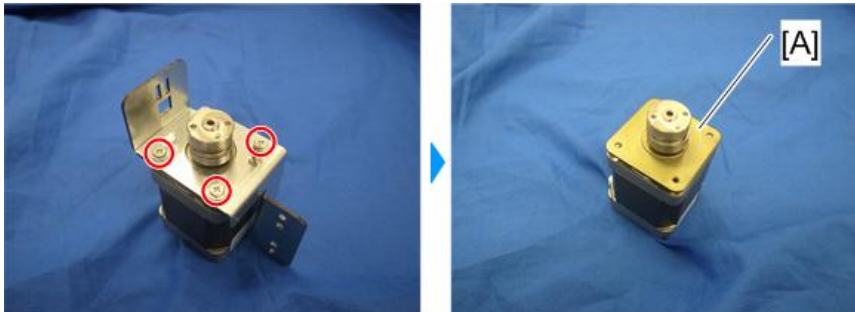
m205a1281

12. Remove the motor bracket [A] by sliding it rightward. (⚙️×2)



m205a1282

13. Belt centering roller motor (lower) [A] (⚙️×3)



m205a1369

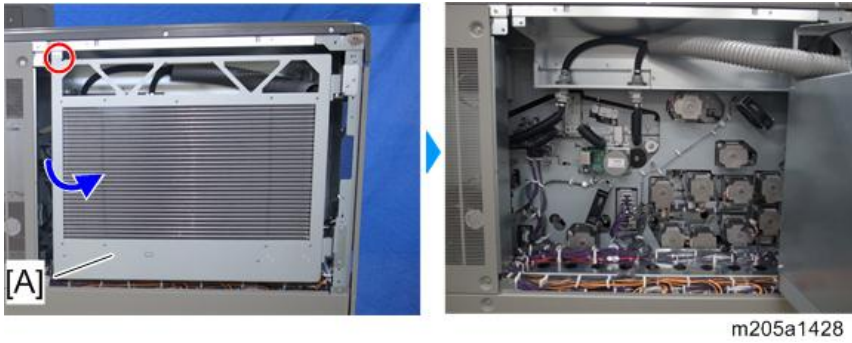
Radiator Unit

1. Duct cover (fusing section) (page 700)
2. Paper cooling belt fan bracket [A] (⚙️×4, 📦×1, 🛠️×2)



m205a1019

3. Open the radiator unit [A]. (⚙️×1)

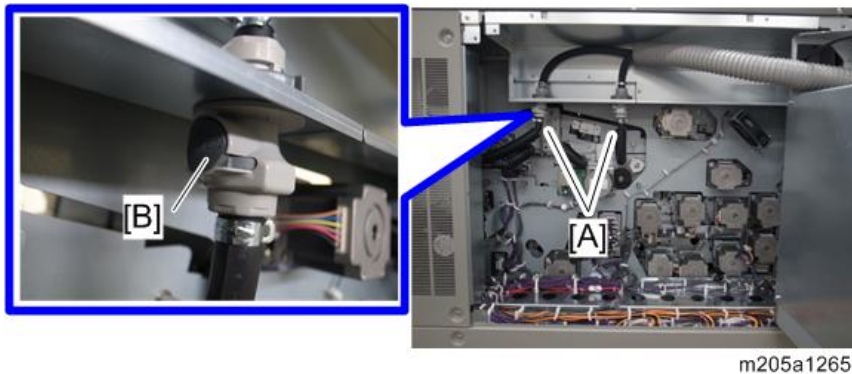


4

4. Disconnect the connectors and open the clamps locating near the lower hinge of the radiator unit. (🔧×2, 🛠️×2)



5. Push the buttons [B] on the joint of the tubes [A], and then disconnect them (tube×2).



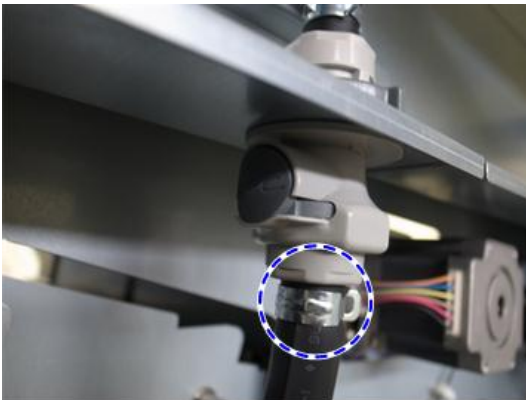
⚠️ Note

- When the tube is disconnected, a small amount of cooling liquid leaks. So, when you disconnect tube, cover the tube with cloth as shown below.



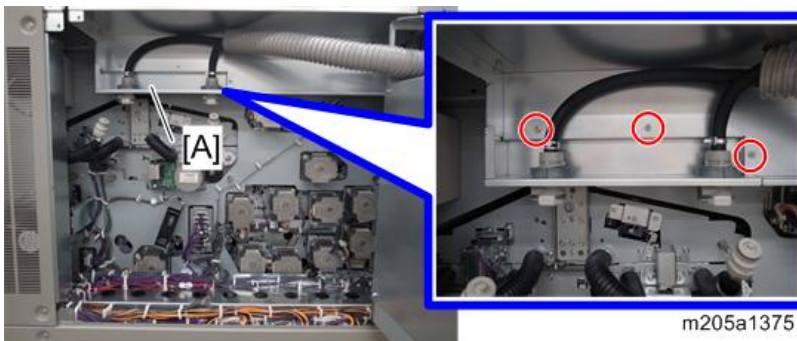
m205a1266

- Do not push the button on the joint except when you are disconnecting the tube. Do not push it after the tube is disconnected. Otherwise, cooling liquid will leak.
- After you re-connect the tube, make sure it is connected correctly by pull it downward.
- Do not remove the bands on the tube.



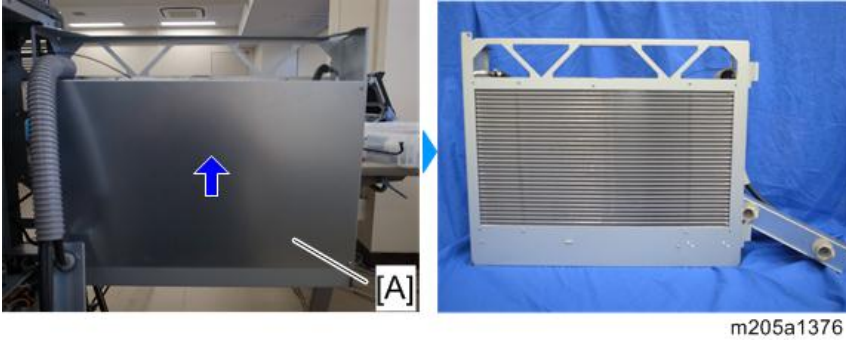
m205a1374

6. Bracket [A] (🔧×3)



m205a1375

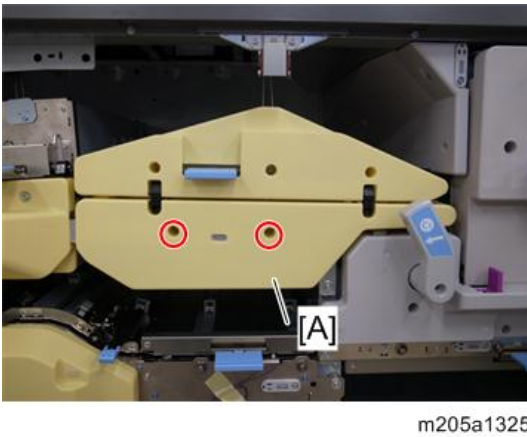
7. Hold the upper side of the radiator unit [A], and then lift it to remove it.



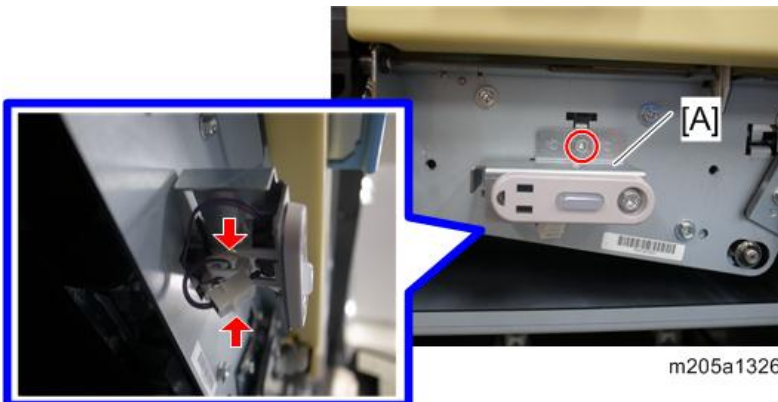
4

Paper Cooling Belt LED

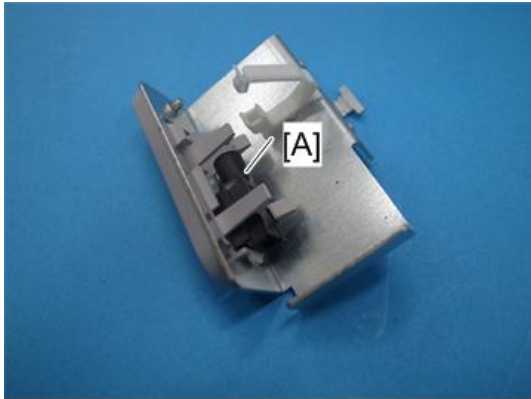
1. Paper cooling unit inner cover (lower) [A] (⚙️ x2)



2. Bracket [A] (⚙️ x1, 📦 x1, 🛠️ x1)



3. Paper cooling belt LED [A]



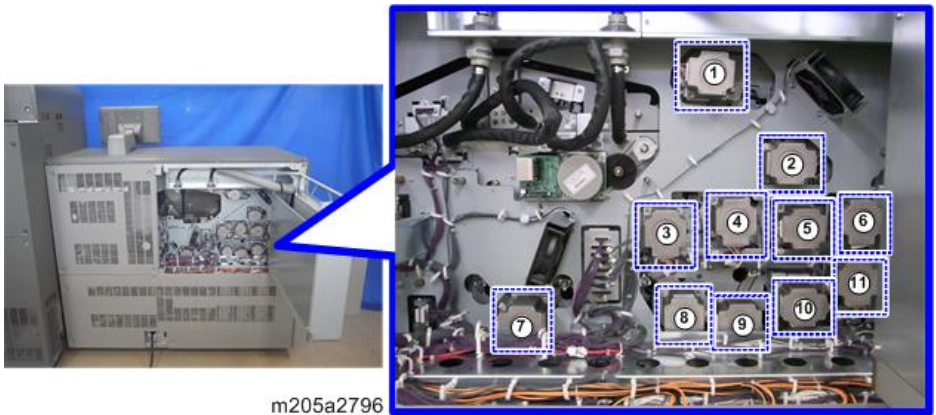
m205a1327

Paper Switch Back and Duplex Path Unit (1)

Paper Exit Unit (Service Position)

Note

- When you access motors at rear of paper exit unit, withdraw the paper exit unit to the service position. The following motors shown below are assembled at rear of paper exit unit.



m205a2796

No.	Name	No.	Name
①	De-curler Unit Motor 2	⑦	Paper Transport Motor 1
②	De-curler Transport Motor 1	⑧	Duplex Transport Motor 2
③	De-curler Unit Motor 1	⑨	Duplex Transport Motor 1
④	De-curler Transport Motor 2	⑩	Duplex Inverter Motor
⑤	Inverter Entrance Motor	⑪	Paper Exit Inverter Motor
⑥	Paper Exit Motor		

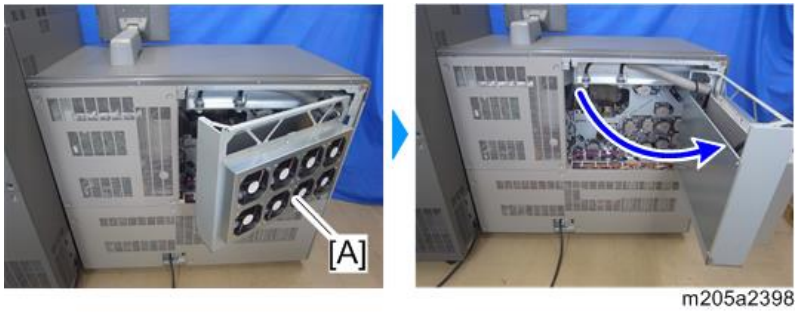
1. Vertical transport unit (tray 2) (page 1049)

2. Duct cover (fusing section) (page 700)

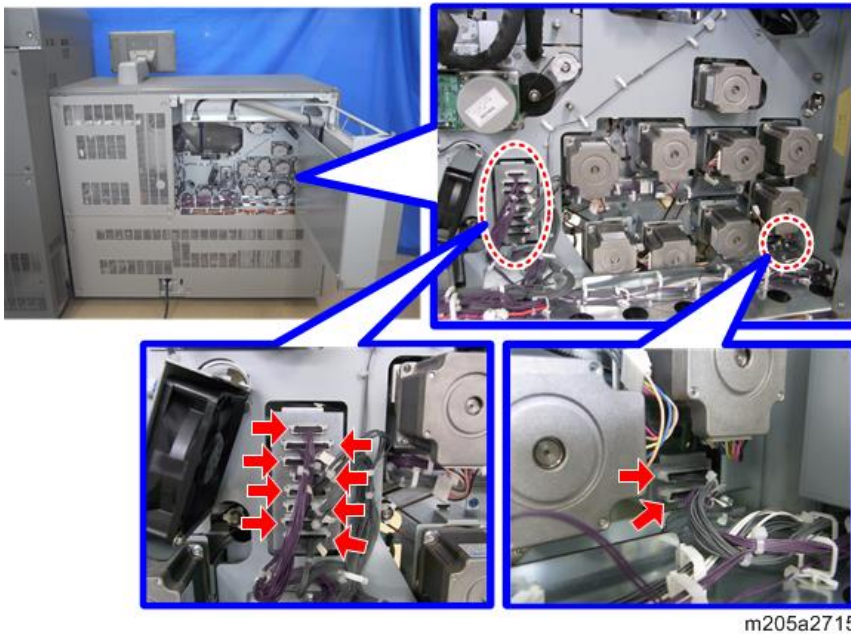
3. Remove the fixing screw [B] of paper cooling belt fan bracket [A]. (🔩×1)



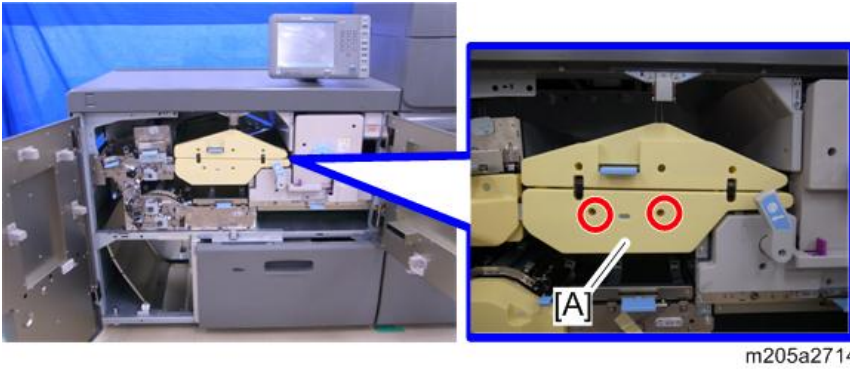
4. Open the paper cooling belt fan bracket [A].



5. Disconnect the connectors at rear side of paper exit unit. (🔌×10)

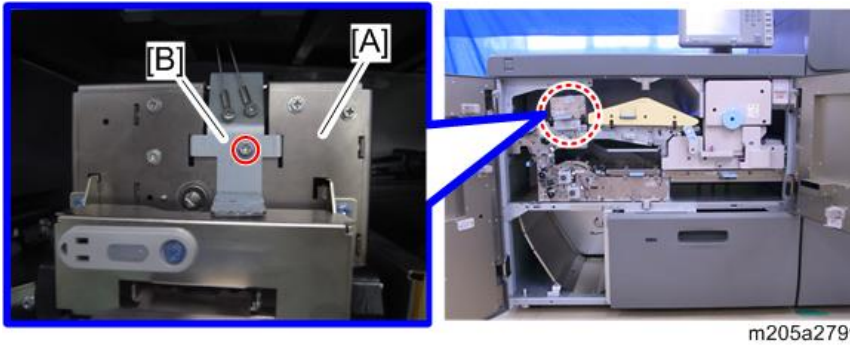


6. Remove the cooling unit inner cover (lower) [A]. (⚙️×2)



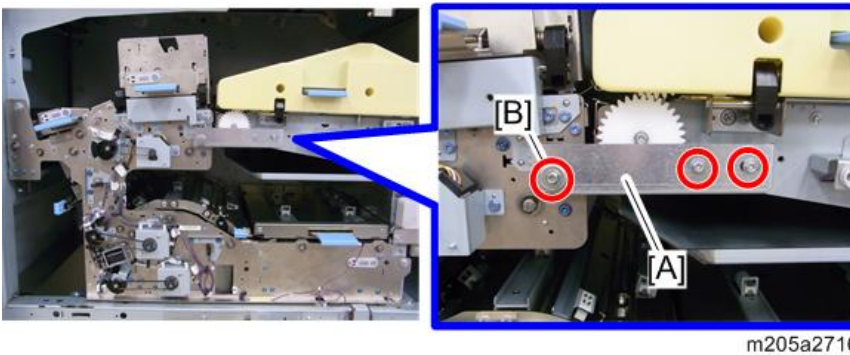
4

7. Remove the wire bracket [B] of de-curl unit [A]. (⚙️×1)

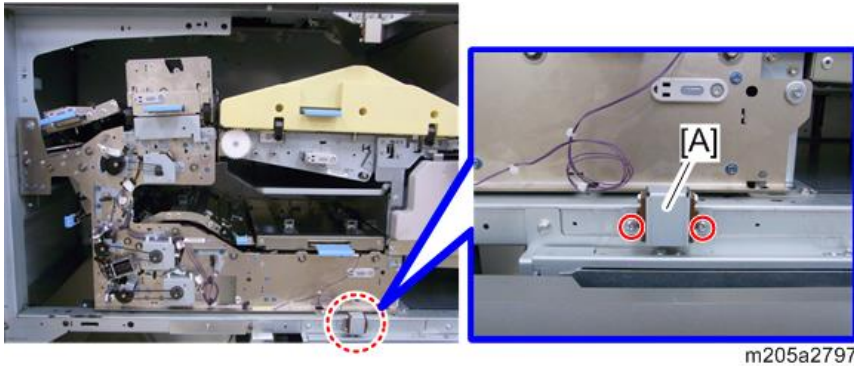


8. Plate [A] (⚙️×3)

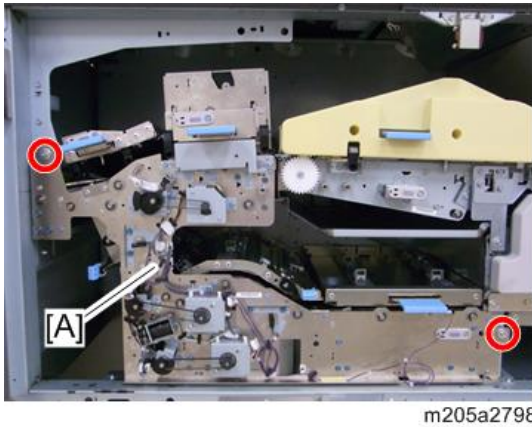
- The washer is attached to screw [B].



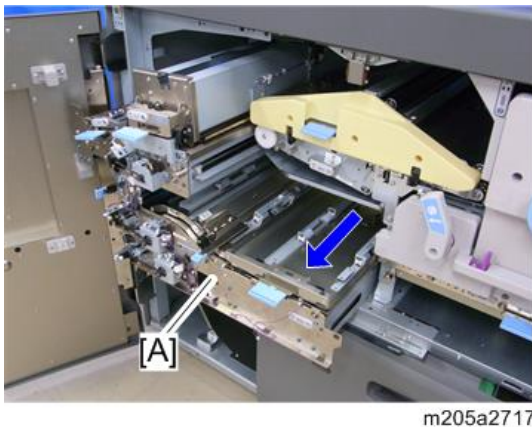
9. Remove the magnet catch [A] of front doors. (🔧×2)



10. Remove the fixing screw of paper exit unit [A]. (🔧×2)



11. Withdraw the paper exit unit [A] forward about 20 cm. (service position)



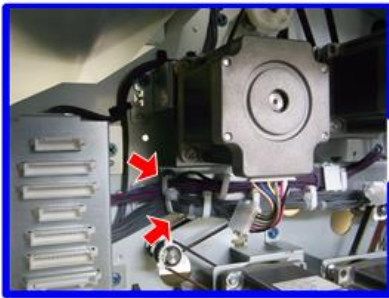
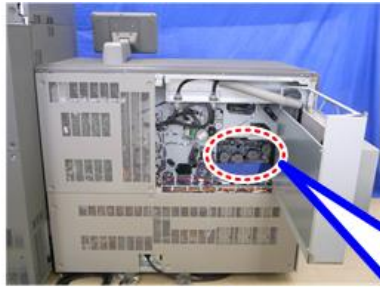
★ Important

- To access the motors at rear of paper exit unit, the paper exit unit must be in a service position as shown on Step 11. Work carefully not to fall out the paper exit unit from the main machine.

- Since the paper exit unit is heavy, two or more people are required to move it and be sure to handle it with care.

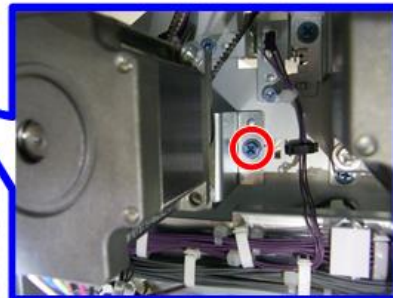
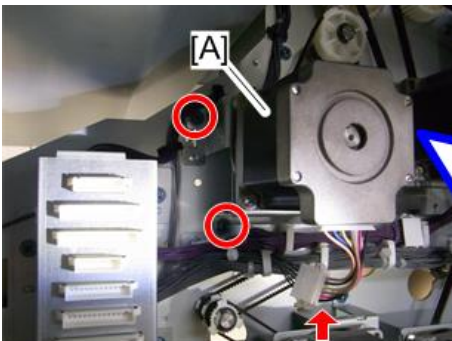
De-curler Unit Motor 1

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Open the clamps shown below. (🔧×2)



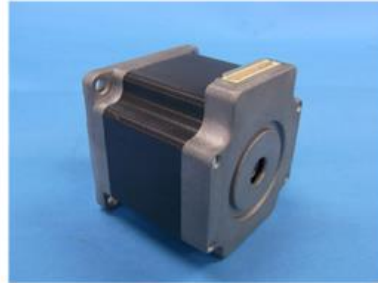
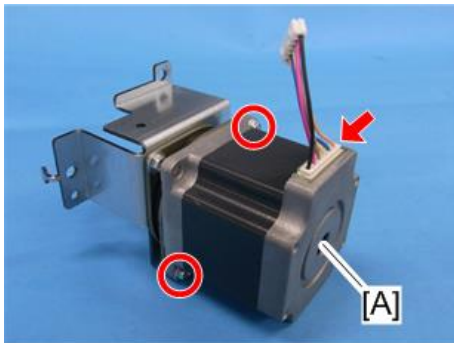
m205a2721

3. Remove the motor bracket [A] from rear side. (🔩×3, 📦×1, 🌀×1)



m205a2722

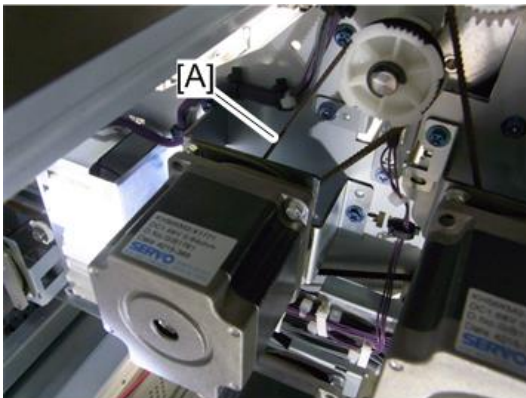
4. De-curler unit motor 1 [A] (⚙️ ×2, 📦 ×1)



m205a2723

↓ Note

- When installing the de-curler unit motor 1, confirm that the motor is set to the timing belt [A] correctly.

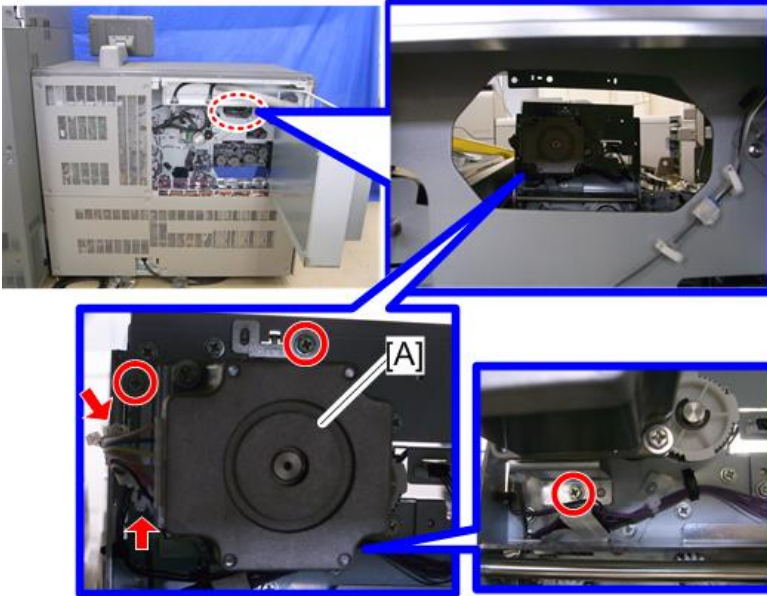


m205a2724

De-curler Unit Motor 2

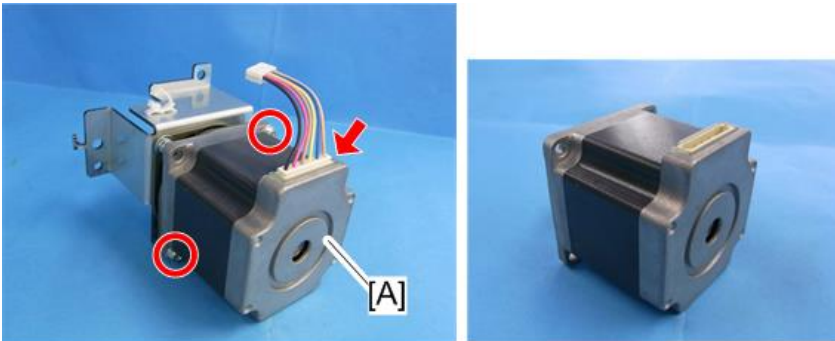
1. Withdraw the paper exit unit to service position. (page 1250)

2. Remove the motor bracket [A] from rear side of paper exit unit. (⚙️ x3, 📦 x1, 🛠️ x1, 🌀 x1)



m205a2718

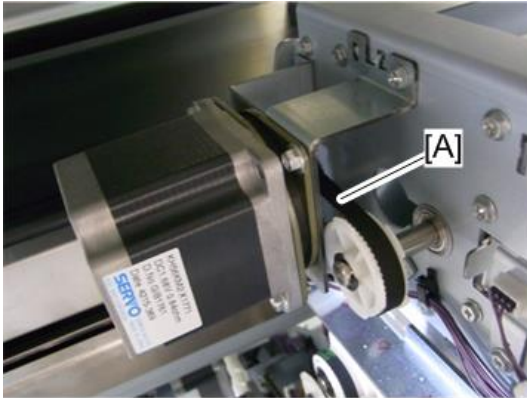
3. De-curler unit motor 2 [A] (⚙️ x2, 📦 x1)



m205a2719

Note

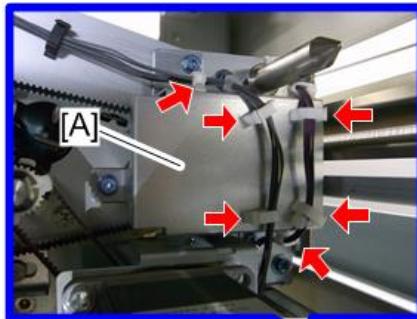
- When installing the de-curler unit motor 2, confirm that the motor is set to the timing belt [A] correctly.



m205a2720

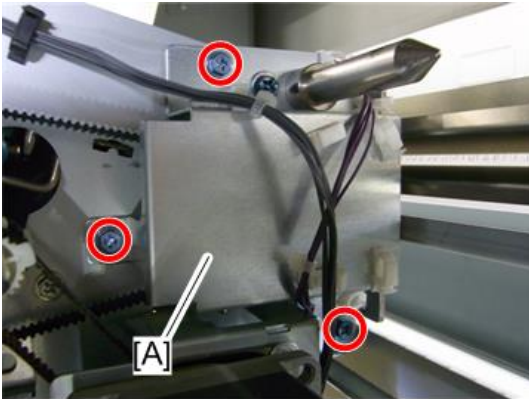
Paper Exit Motor

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Open the clamps which are attached to bracket [A] at rear side of paper exit unit. (⚙️×6)



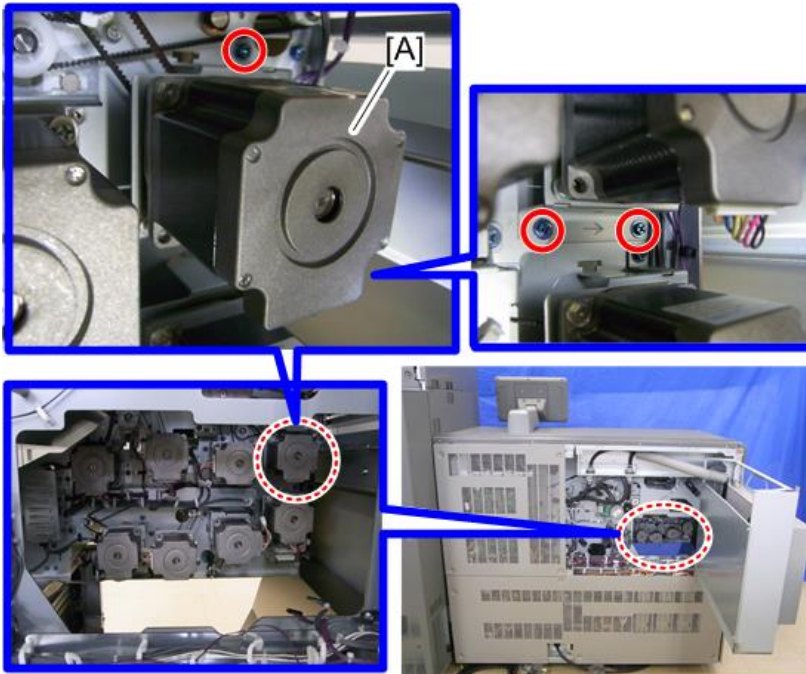
m205a2734

3. Bracket [A] (🔩×3)



m205a2735

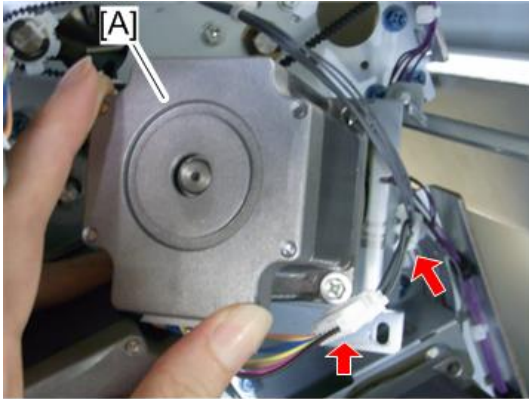
4. Motor bracket [A] (🔩×3, 🌀×1)



m205a2736

⬇️ Note

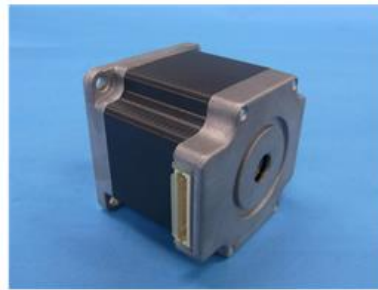
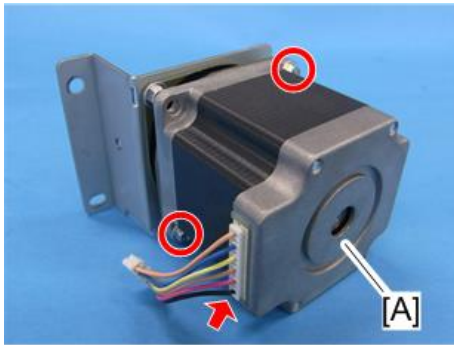
- When removing the motor bracket [A], open the clamp and disconnect the connector from right side. (🌀 ×1, 🌀 ×1)



m205a2737

5. Paper exit motor [A] (Ⓜ ×2, Ⓜ ×1)

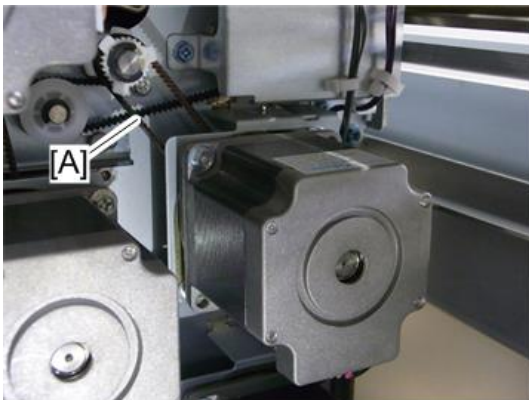
4



m205a2732

↓ Note

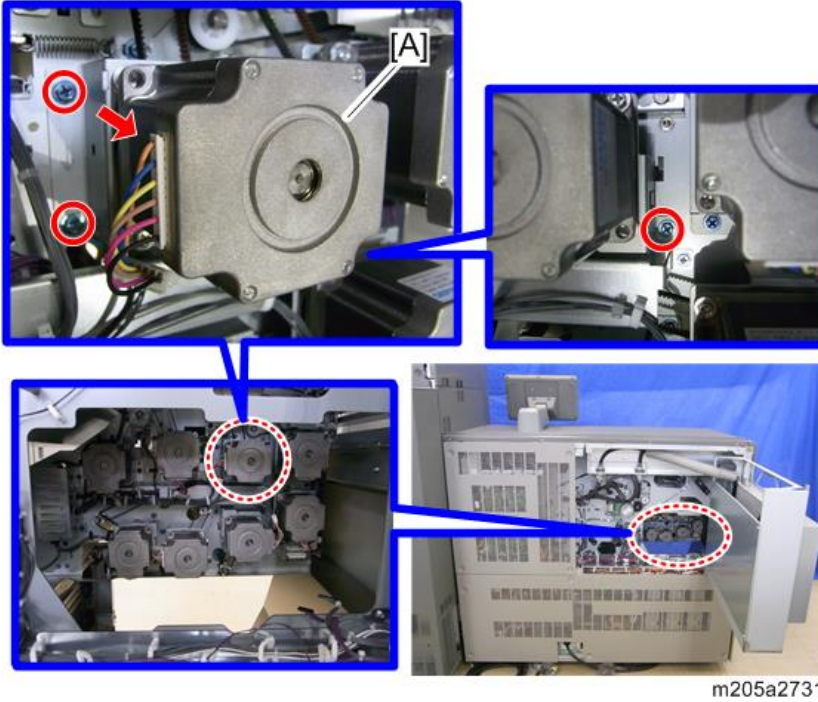
- When installing the paper exit motor, confirm that the motor is set to the timing belt [A] correctly.



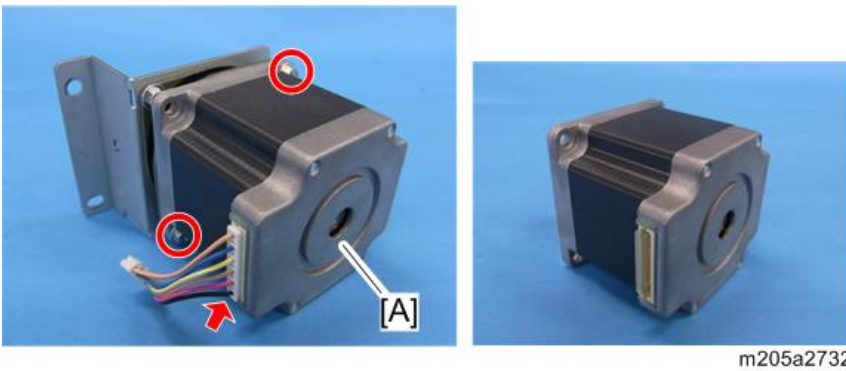
m205a2738

Inverter Entrance Motor

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Remove the motor bracket [A] from rear side of paper exit unit. (⌀×3, ⓧ×1, Ⓜ×1)

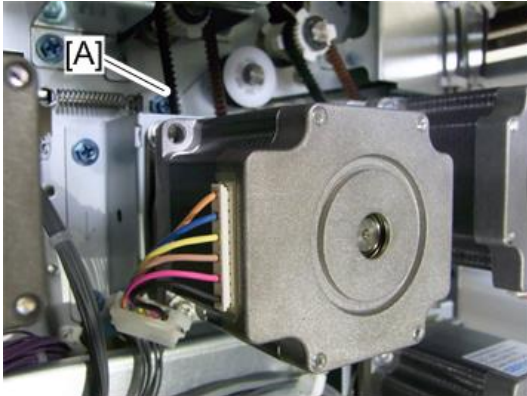


3. Inverter entrance motor [A] (⌀×2, ⓧ×1)



Note

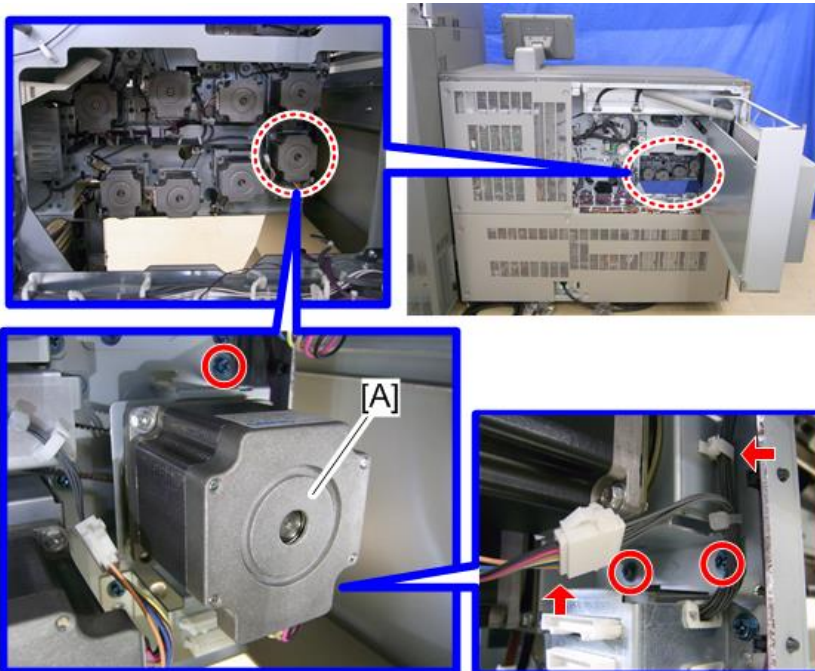
- When installing the inverter entrance motor, confirm that the motor is set to the timing belt [A] correctly.



m205a2733

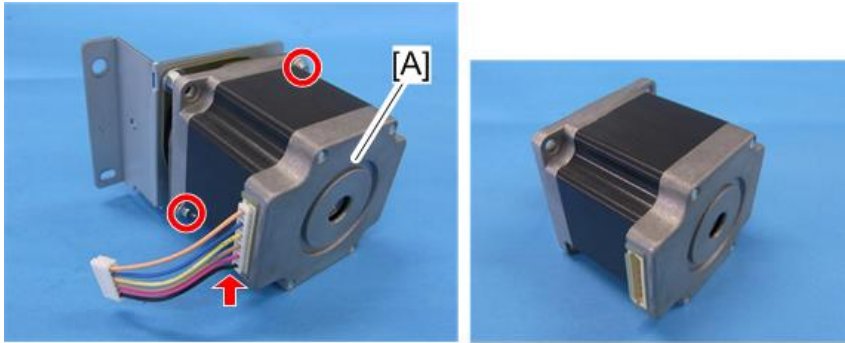
Paper Exit Inverter Motor

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Remove the motor bracket [A] from rear side of paper exit unit. (⊗×3, ⊗×2, ⊗×1, ⊗×1)



m205a2766

3. Paper exit inverter motor [A] (⚙️ x2, 🔑 x1)

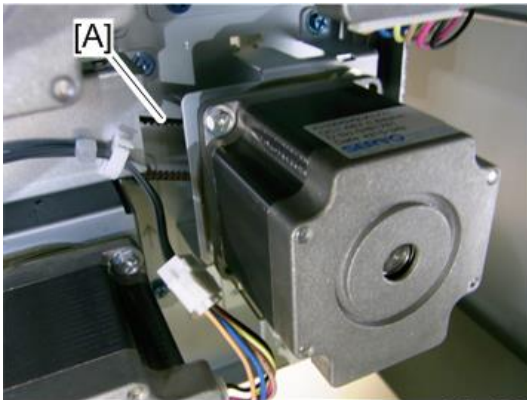


m205a2767

4

⬇️ Note

- When installing the paper exit inverter motor, confirm that the motor is set to the timing belt [A] correctly.

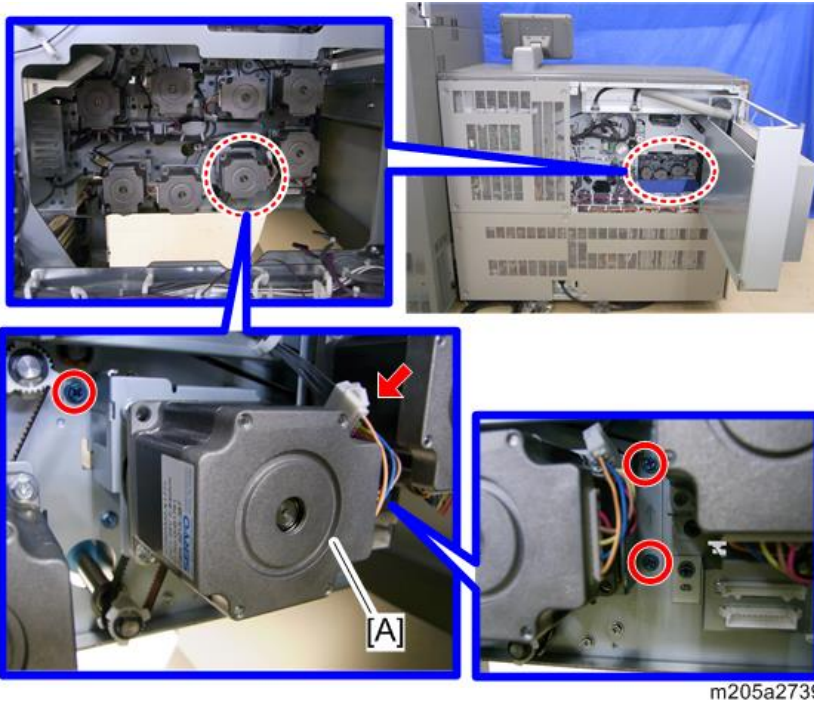


m205a2768

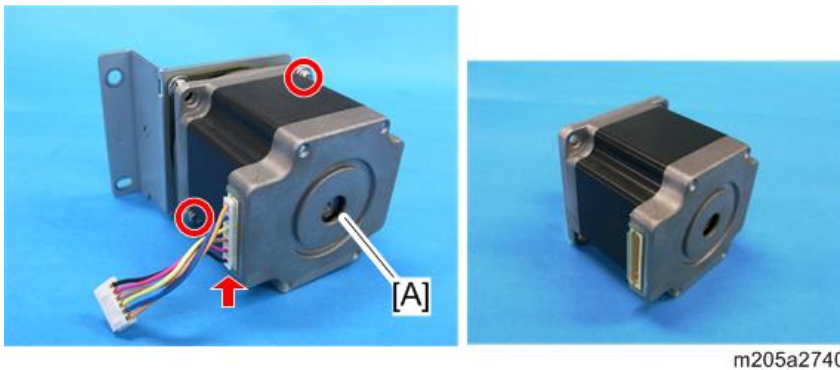
Duplex Inverter Motor

1. Withdraw the paper exit unit to the service position. (page 1250)

2. Remove the motor bracket [A] from rear side of paper exit unit. (⚙️ ×3, 📦 ×1, 🛠️ ×1)

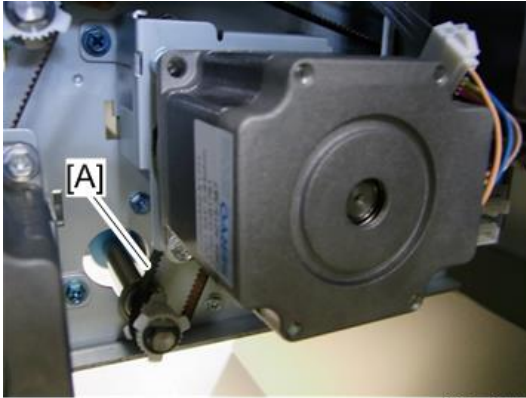


3. Duplex inverter motor [A] (⚙️ ×2, 📦 ×1)



⬇️ **Note**

- When installing the duplex inverter motor, confirm that the motor is set to the timing belt [A] correctly.



m205a2741

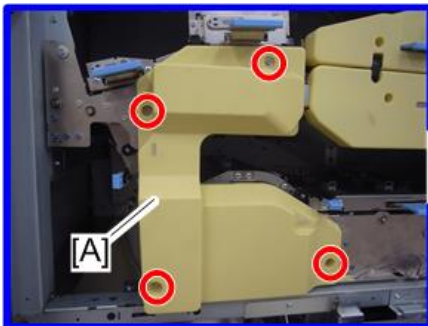
Paper Exit Inverter Roller Contact Motor

1. Open the front left door [A] and front right door [B] of the fusing section.



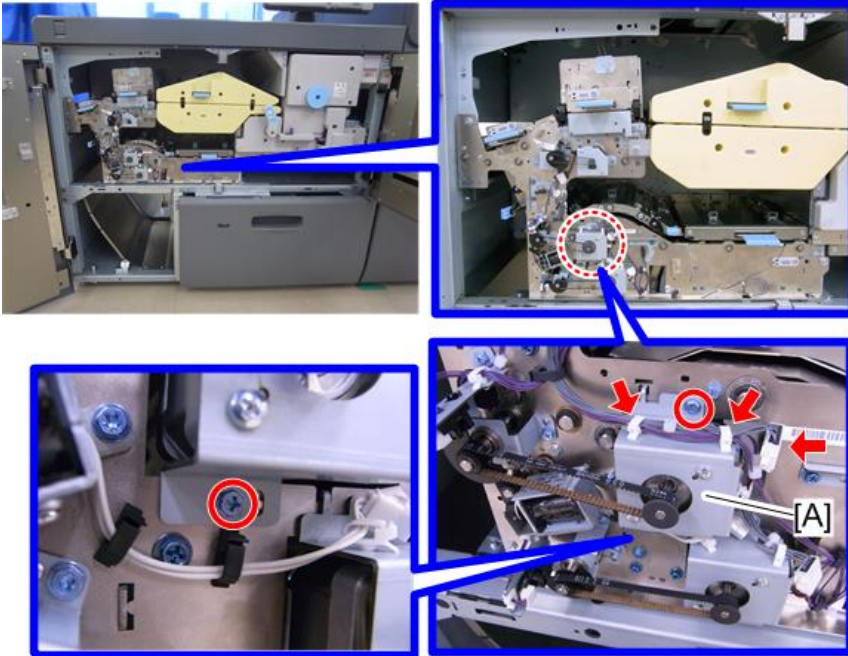
m205z5001

2. Remove the paper switch back unit inner cover [A] of the paper exit unit. (⚙️ x4)



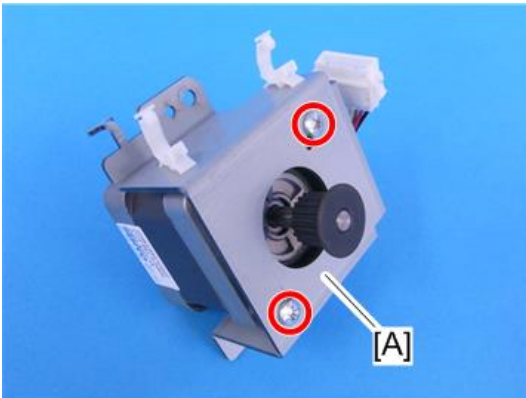
m205a2342

3. Motor bracket [A] (⊙×2, ⊙×2, ⊙×1, ⊙×1)



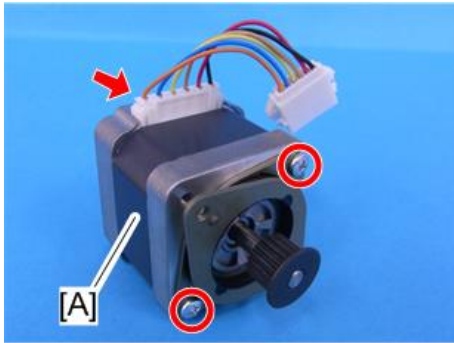
m205a2754

4. Remove the motor from motor bracket [A]. (⊙×2)



m205a2761

5. Paper exit inverter roller contact motor [A] (⚙️ ×2, 📦 ×1)

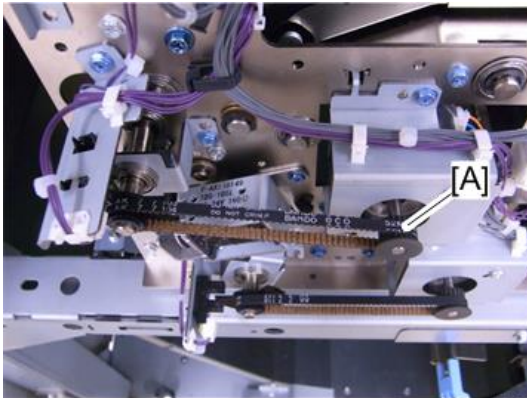


m205a2755

4

↓ Note

- When installing the paper exit inverter roller contact motor, confirm that the motor is set to the timing belt [A] correctly.



m205a2756

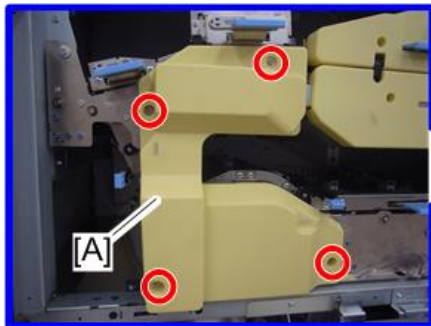
Duplex Inverter Roller Contact Motor

1. Open the front left door [A] and front right door [B] of the fusing section.



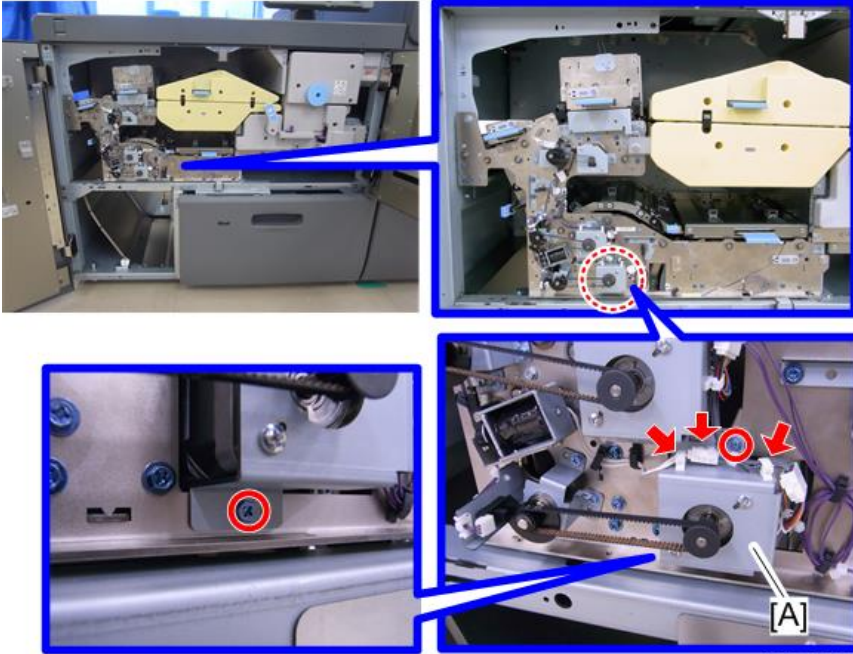
m205z5001

2. Remove the paper switch back unit inner cover [A] of the paper exit unit. (🔧×4)



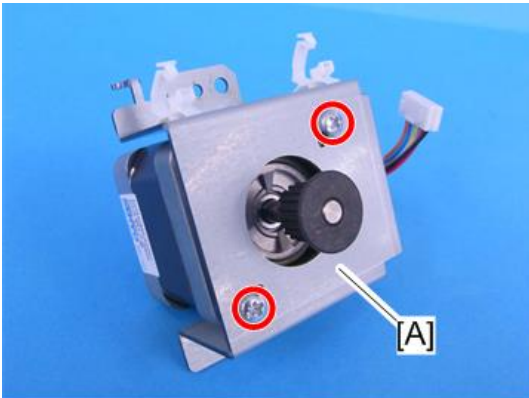
m205a2342

3. Motor bracket [A] (⊙×2, ⊙×2, ⊞×1, ⊞×1)

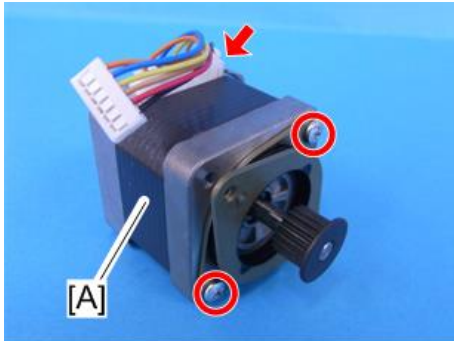


m205a2757

4. Remove the motor from motor bracket [A]. (⊙×2)



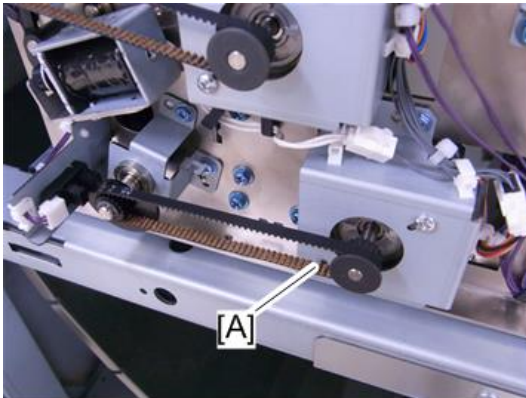
m205a2758

5. Duplex inverter roller contact motor [A] (⚙️ ×2, 🗑️ ×1)

m205a2759

Note

- When installing the duplex inverter roller contact motor, confirm that the motor is set to the timing belt [A] correctly.



m205a2760

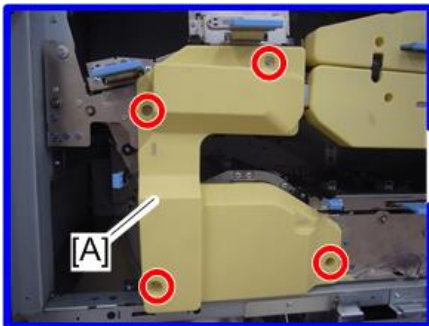
Exit Junction Gate Motor

1. Open the front left door [A] and front right door [B] of the fusing section.



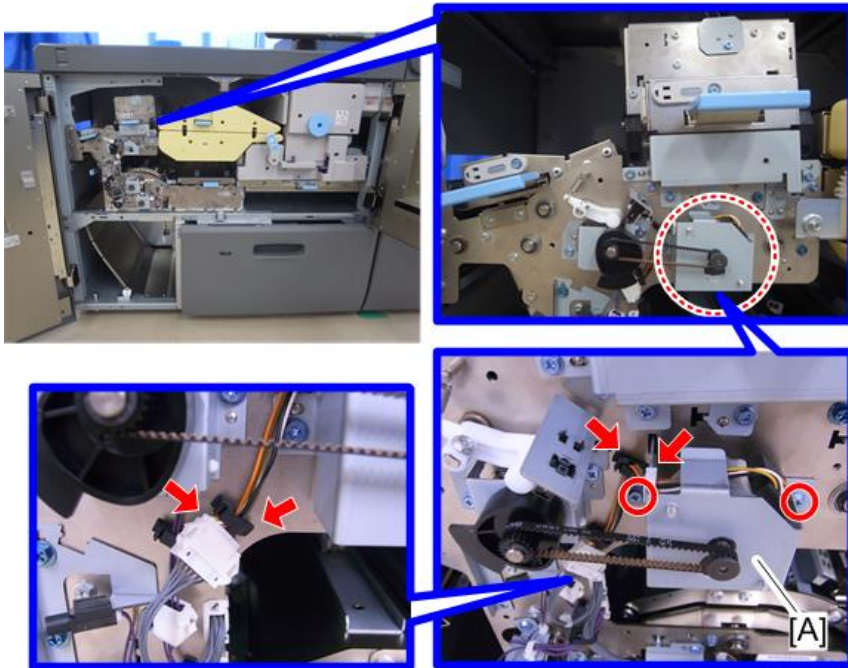
m205z5001

2. Remove the paper switch back unit inner cover [A] of the paper exit unit. (🔩×4)



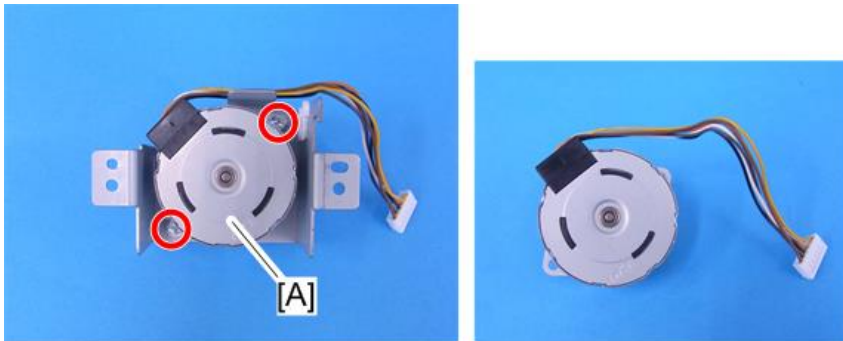
m205a2342

3. Motor bracket [A] (⚙️×2, ⚙️×3, 📦×1, 🌀×1)



m205a2751

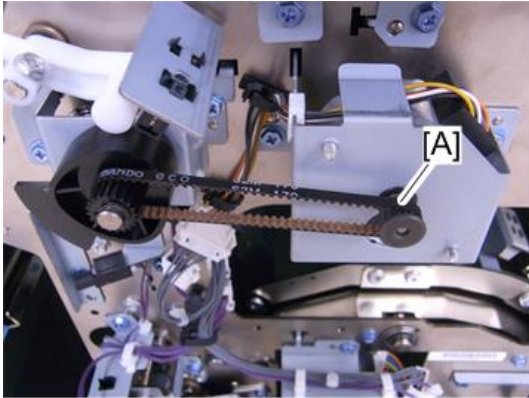
4. Exit junction gate motor [A] (⚙️×2)



m205a2752

⚠️ Note

- When installing the exit junction gate motor, confirm that the motor is set to the timing belt [A] correctly.

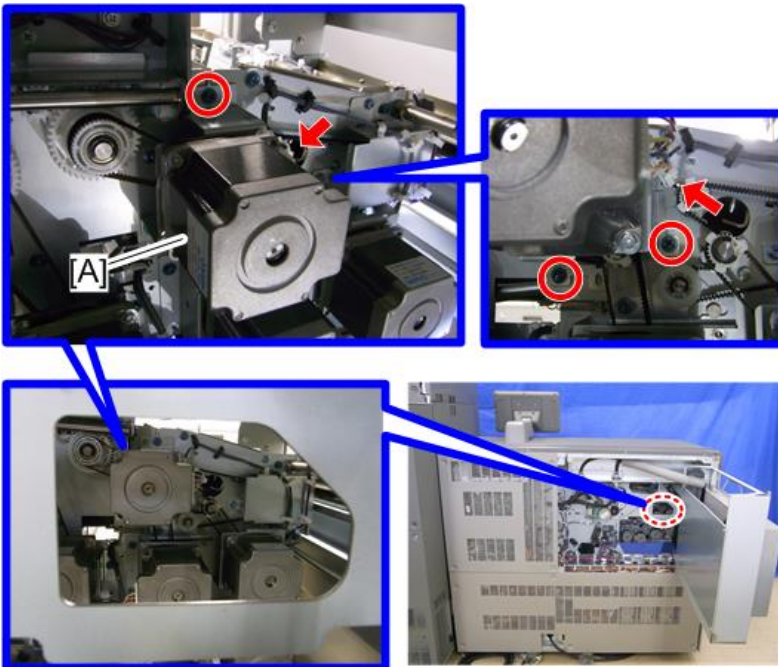


m205a2753

4

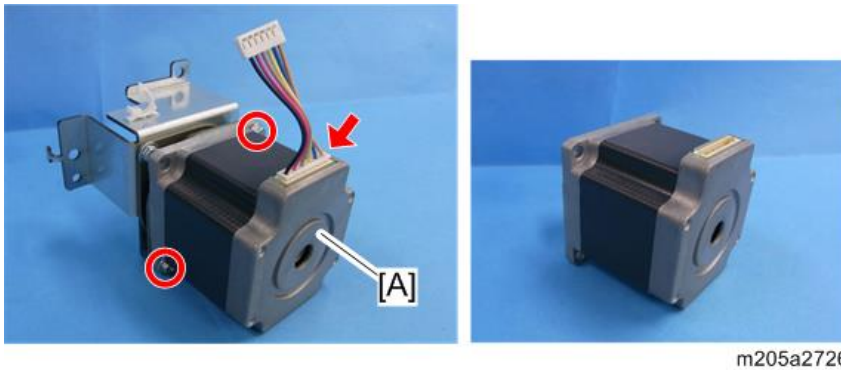
De-curler Transport Motor 1

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Remove the motor bracket [A] from rear side of paper exit unit. (⚙️ x3, 📦 x1, 🛠️ x1, 🌀 x1)



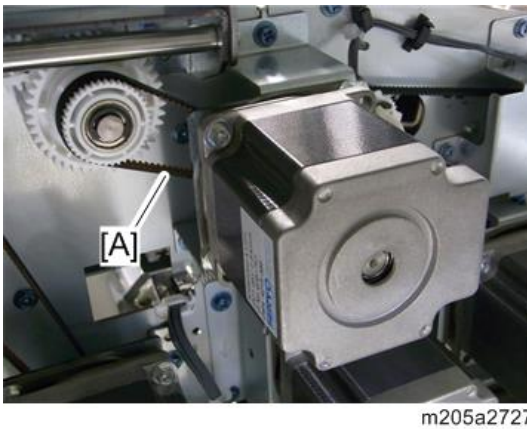
m205a2725

3. De-curler transport motor 1 (⌀ ×2, ☒ ×1)



↓ Note

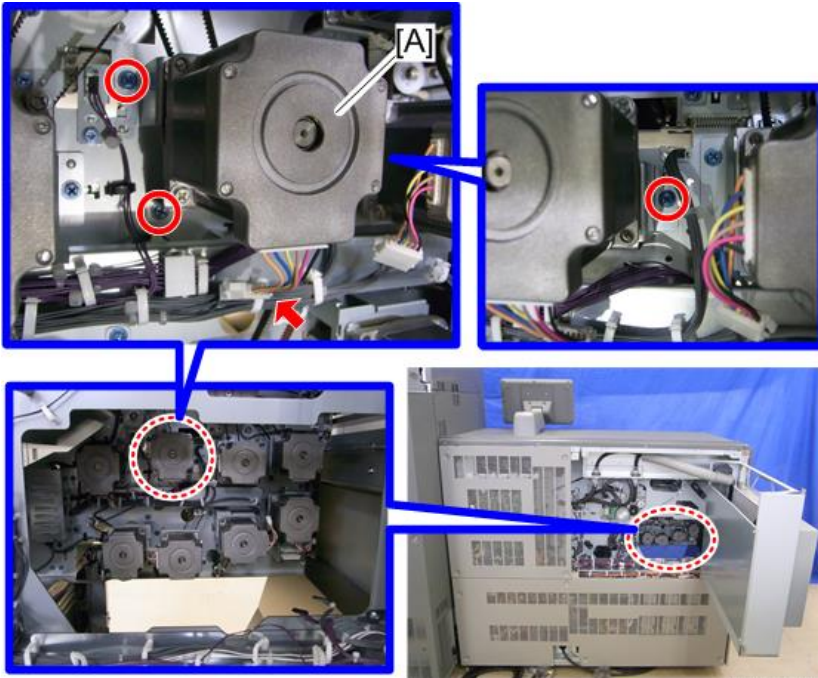
- When installing the de-curler transport motor 1, confirm that the motor is set to the timing belt [A] correctly.



De-curler Transport Motor 2

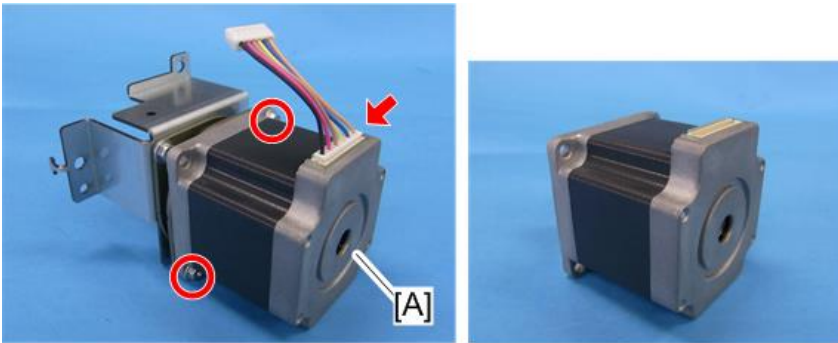
1. Withdraw the paper exit unit to the service position. (page 1250)

2. Remove the motor bracket [A] from rear side of paper exit unit. (⚙️ x3, 📦 x1, 🛠️ x1)



m205a2728

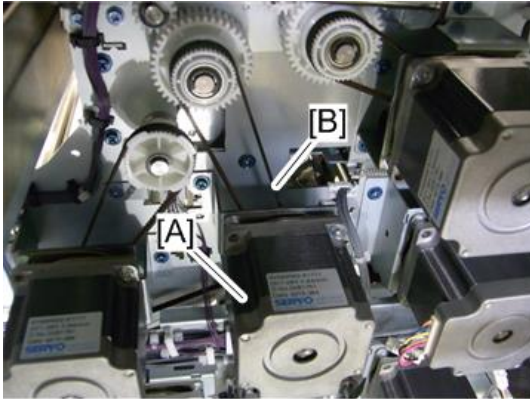
3. De-curler transport motor 2 [A] (⚙️ x2, 📦 x1)



m205a2729

↓ **Note**

- When installing the de-curler transport motor 2 [A], confirm that the motor is set to the timing belt [B] correctly.



m205a2730

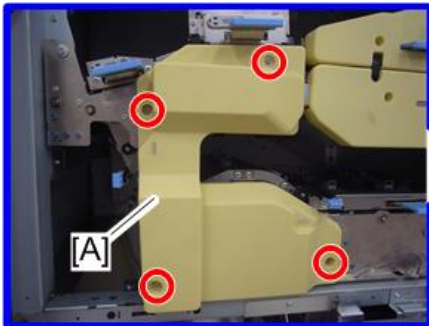
Switchback Junction Gate Solenoid

1. Open the front left door [A] and front right door [B] of the fusing section.



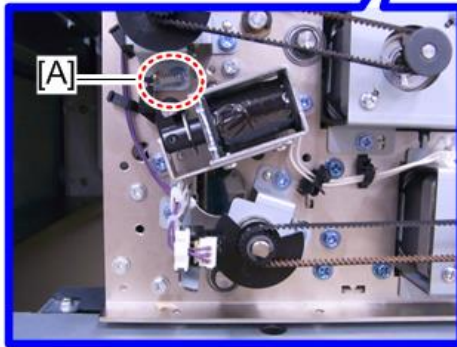
m205z5001

2. Remove the paper switch back unit inner cover [A] of the paper exit unit. (⚙️ ×4)



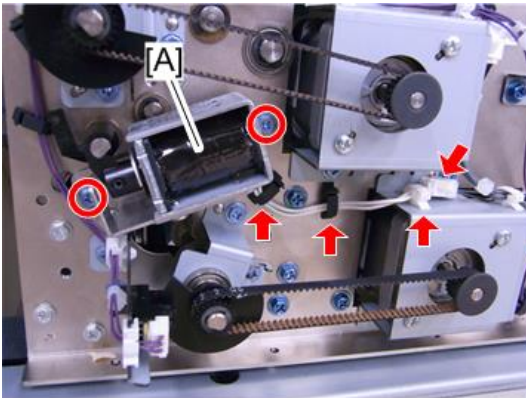
m205a2342

3. Spring [A] (🌀x1)



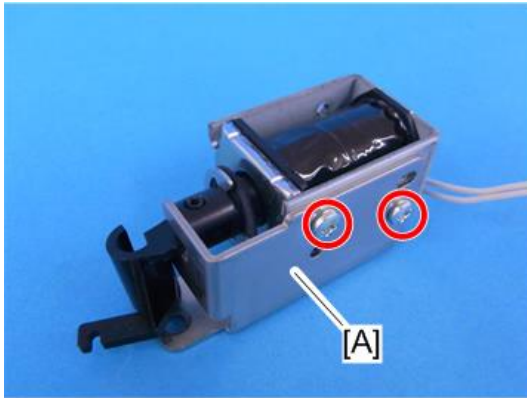
m205a2762

4. Bracket [A] (🔩x2, 🛠x3, 📦x1)



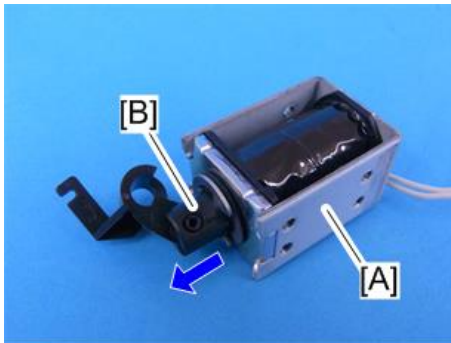
m205a2763

5. Remove the bracket [A] from switchback junction gate solenoid. (⚙️ ×2)



m205a2764

6. Remove the fitting [B] from switchback junction gate solenoid [A].



m205a2765

De-curler Entrance Sensor

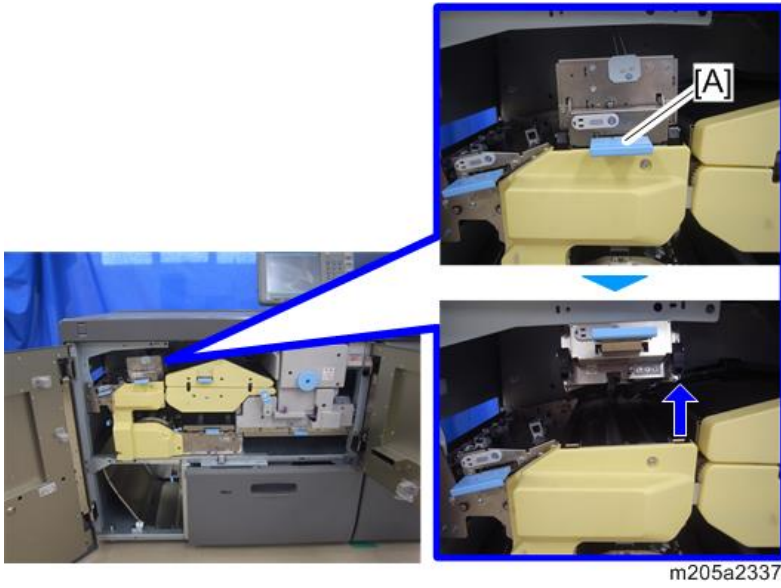
1. Open the front left door [A] and front right door [B] of the fusing section.



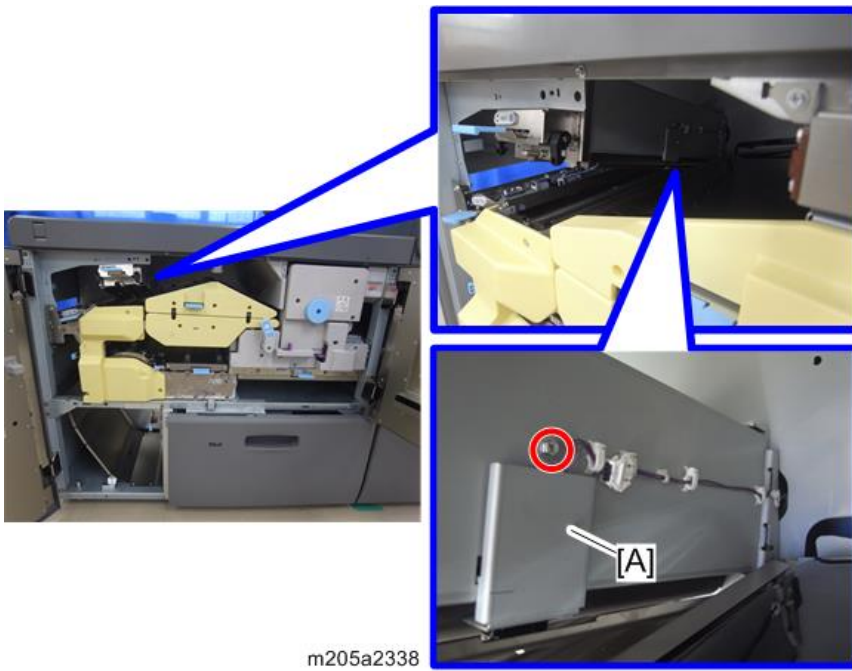
m205z5001

4

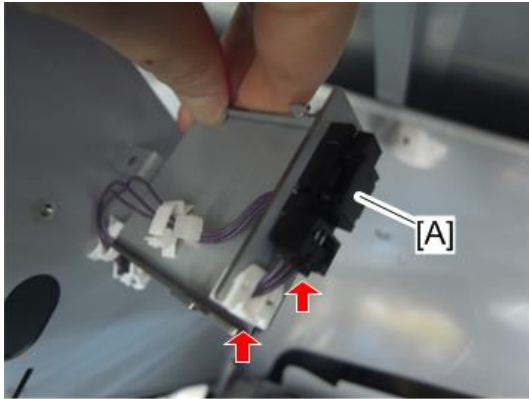
2. Lift grip [A] and open the de-curler unit.



3. Sensor bracket [A] (🔧×1)



4. De-curler entrance sensor [A] (🔌×1, 📦×1)



m205a2339

4

De-curler Exit Sensor

1. Open the front left door [A] and front right door [B] of the fusing section.

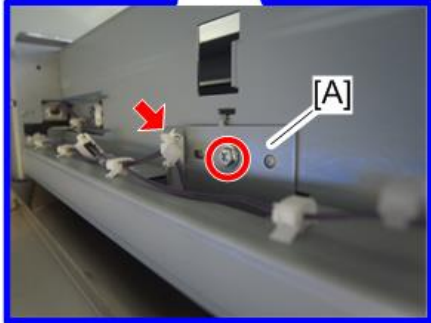


m205z5001

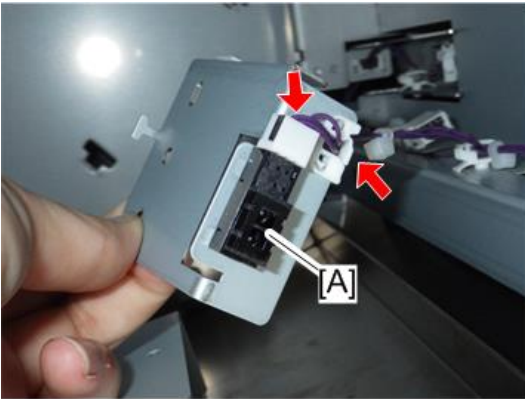
2. Sensor bracket [A] (🔩×1, 📦×1)



m205a2340



3. De-curler exit sensor [A] (🔩×1, 📦×1)



m205a2341

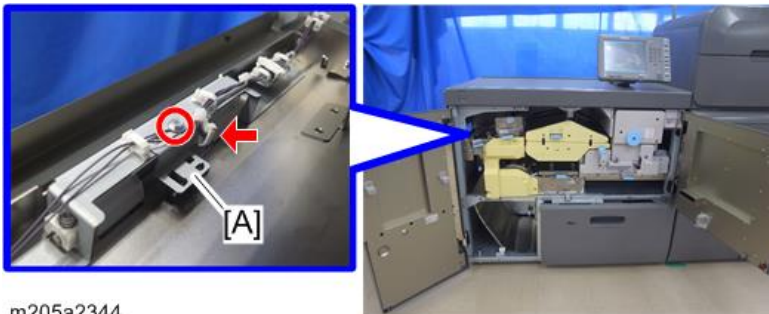
Paper Exit Sensor

1. Open the front left door [A] and front right door [B] of the fusing section.



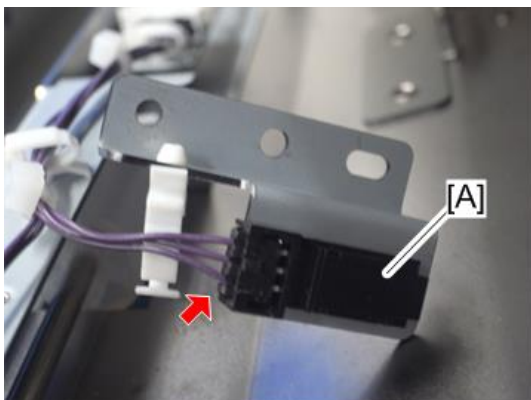
m205z5001

2. Sensor bracket [A] (⚙️ ×1, 🛠️ ×1)



m205a2344

3. Paper exit sensor [A] (📦 ×1)



m205a2345

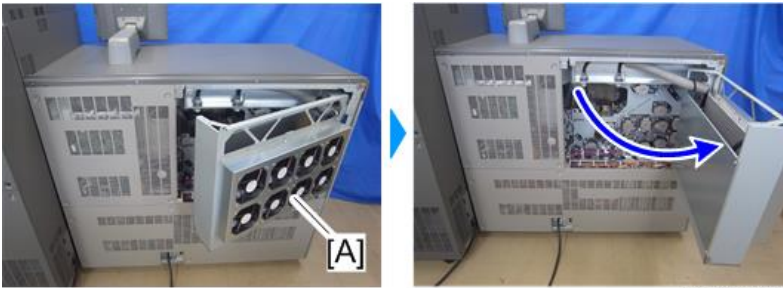
De-curler Unit Home Position Sensor 1

1. Duct cover (fusing section) (page 700)
2. Remove the fixing screw [B] of the paper cooling belt fan bracket [A]. (🔑 x1)




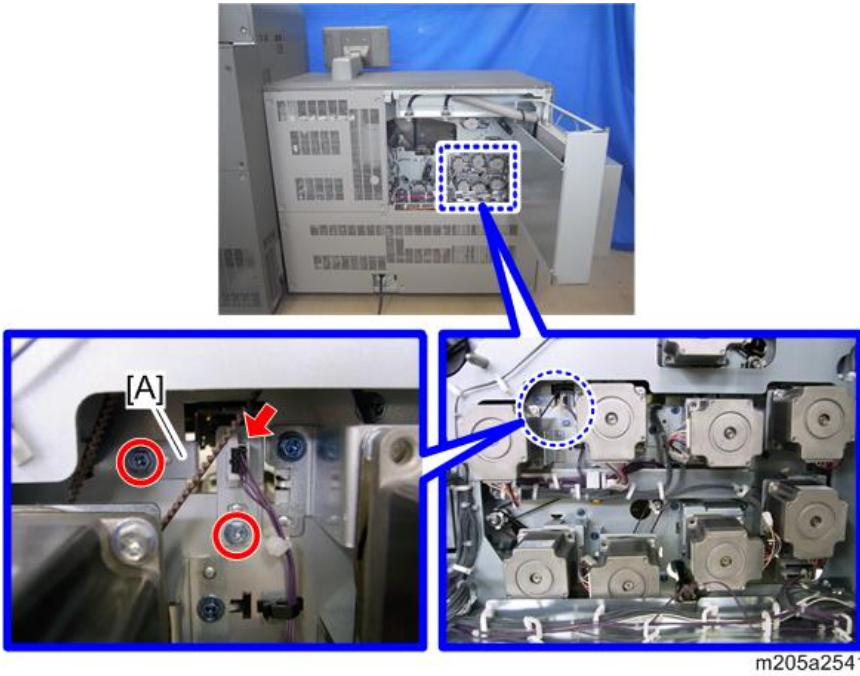
m205a2396

3. Open the paper cooling belt fan bracket [A].

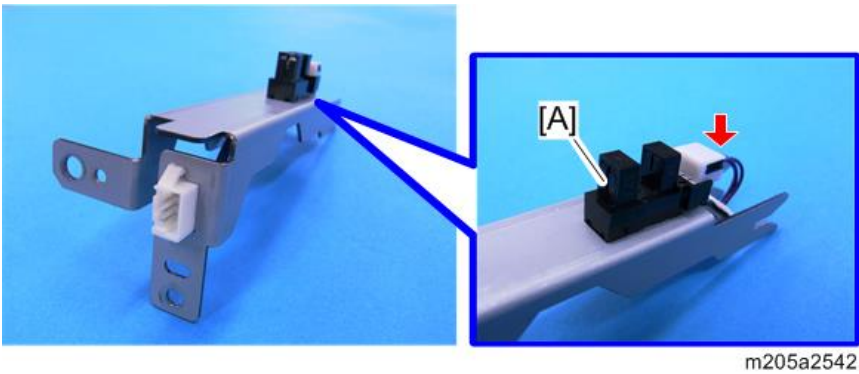


m205a2398

4. Withdraw the sensor bracket [A] forward and remove it from the main machine. (⊙ ×2,  ×1)



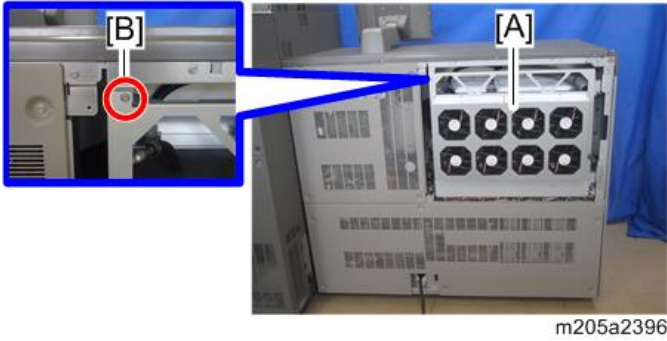
5. Remove de-curler unit home position sensor 1 [A] from the sensor bracket. ( ×1)



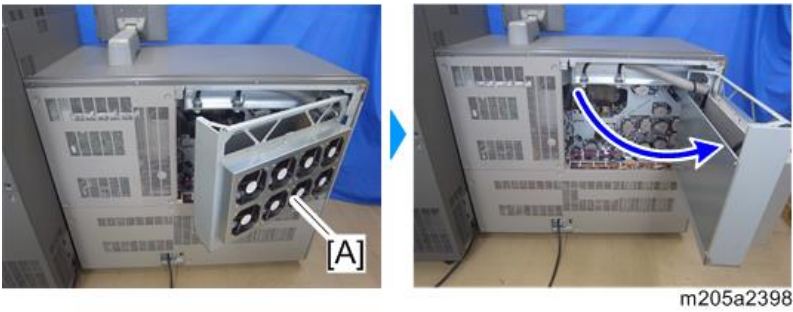
De-curler Unit Home Position Sensor 2


1. Duct cover (fusing section) (page 700)

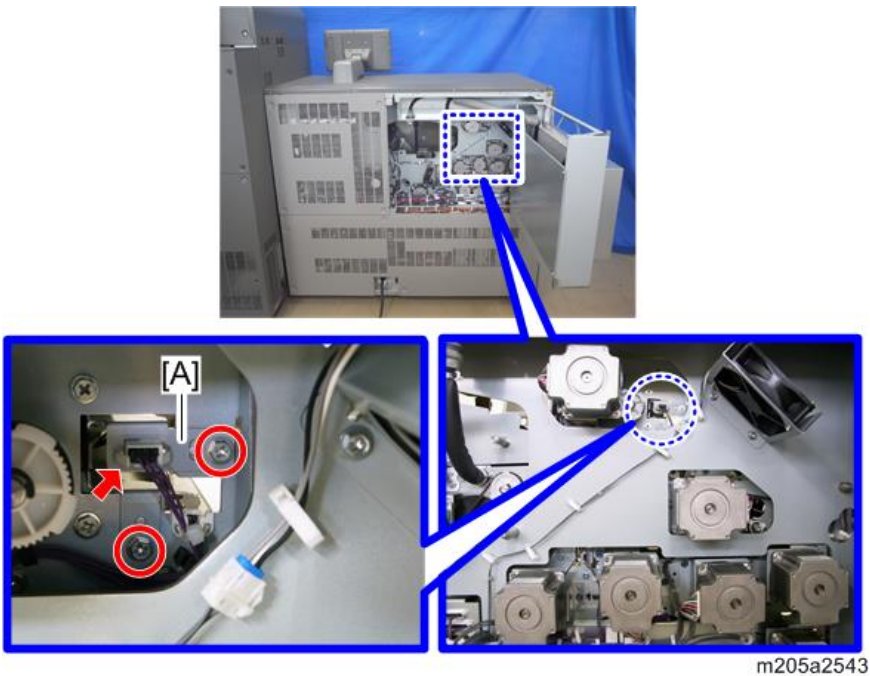
2. Remove the fixing screw [B] of paper cooling belt fan bracket [A]. (⚙️ ×1)



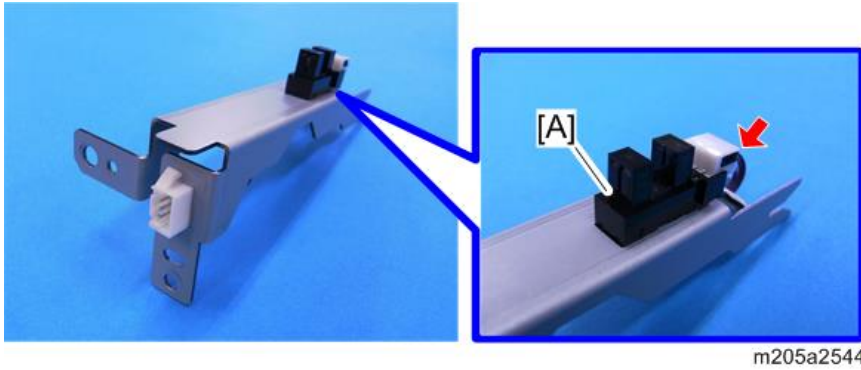
3. Open the paper cooling belt fan bracket [A].



4. Withdraw the sensor bracket [A] forward and remove it from the main machine. (⚙️ ×2,  ×1)

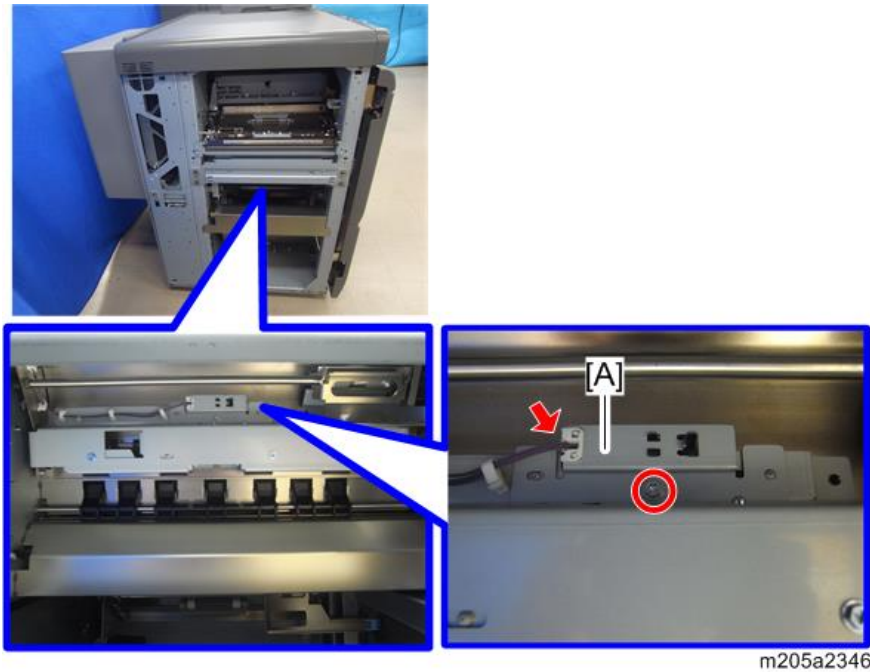


5. Remove de-curler unit home position sensor 2 [A] from the sensor bracket. (📦 x1)

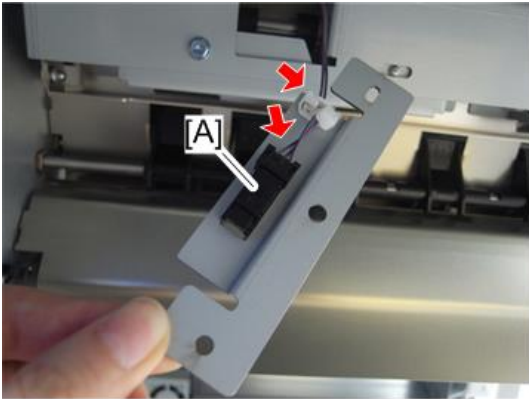


Paper Exit Inverter Sensor

1. Left cover (fusing section) (page 696)
2. Sensor bracket [A] (📦 x1, 📦 x1)



3. Paper exit inverter sensor [A] (🔧×1, 📦×1)

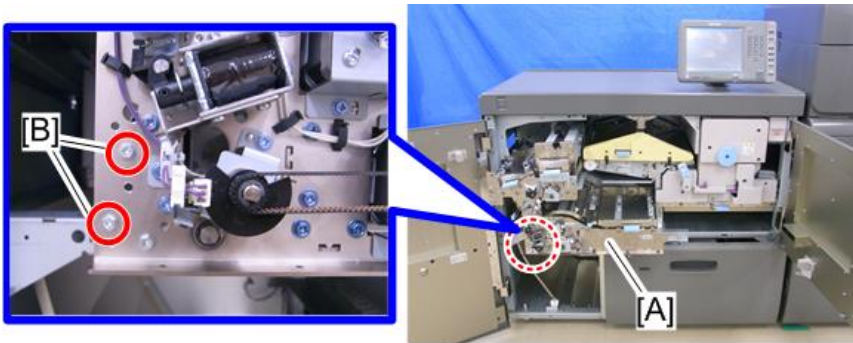


m205a2347

4

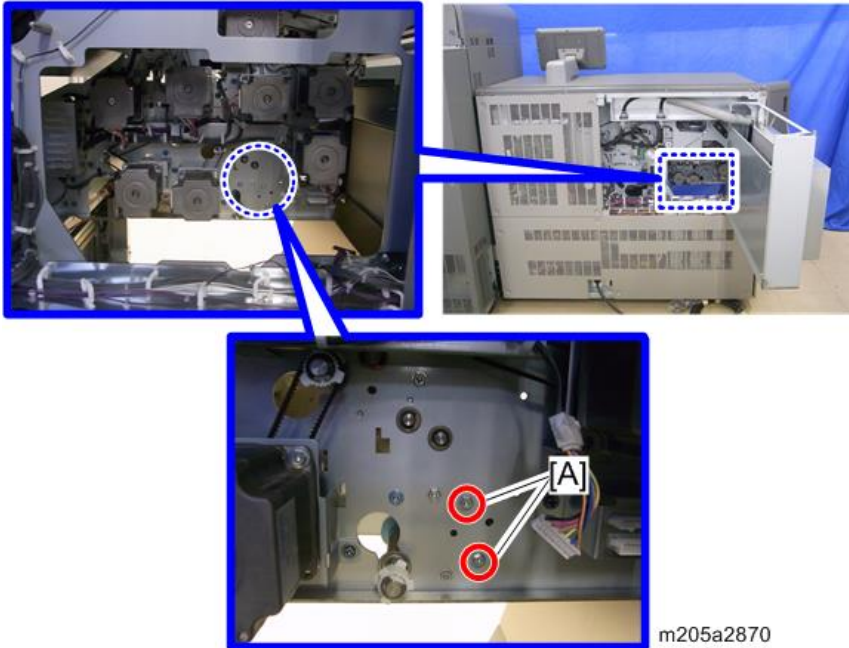
Duplex Inverter Sensor

1. Remove the duplex inverter motor with motor bracket. (page 1262 "Duplex Inverter Motor")
2. Remove the screws [B] at front side of the paper exit unit [A]. (🔧×2)

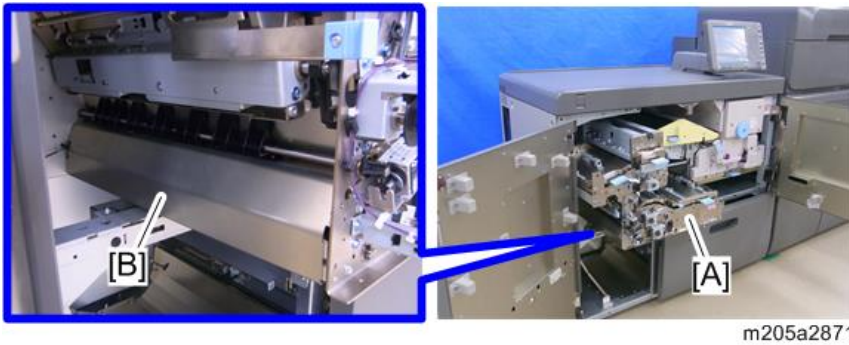


m205a2869

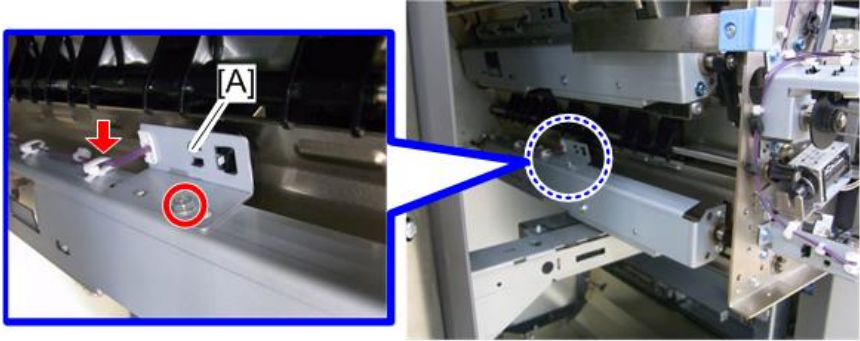
3. Remove the screws [A] from rear side of the paper exit unit. (🔩 ×2)



4. Remove the protection bracket [B] from left side of the paper exit unit [A].



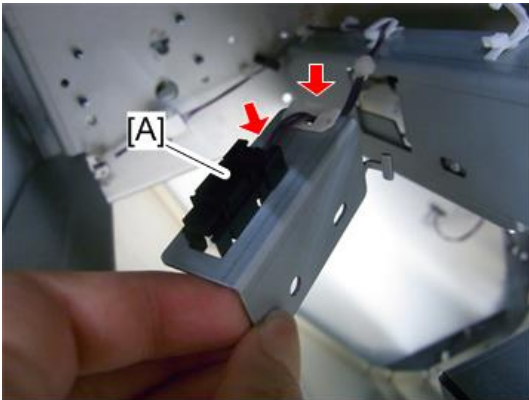
5. Sensor bracket [A] (🔩×1, 📦×1)



m205a2872

4

6. Duplex inverter sensor [A] (🔩×1, 📦×1)

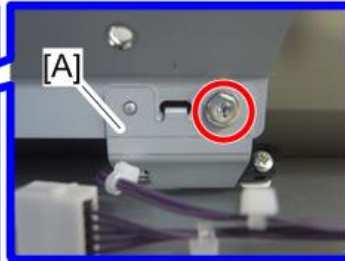
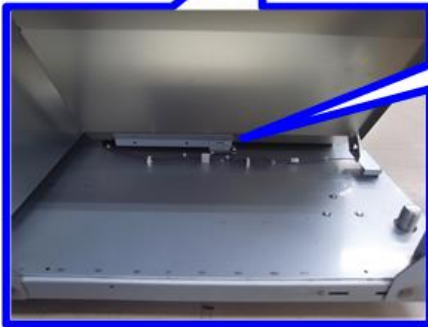


m205a2873

Purge Tray Paper Sensor

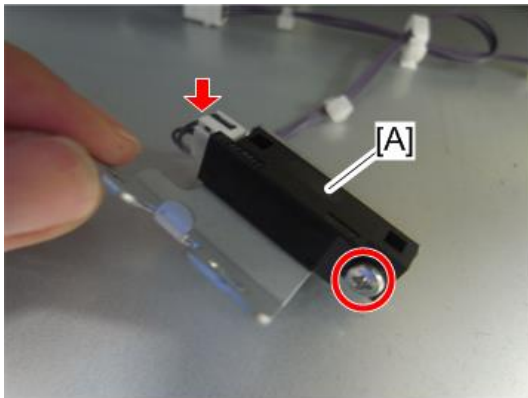
1. Left cover (fusing section) (page 696)

2. Sensor bracket [A] (🔩 ×1)



m205a2350

3. Purge tray paper sensor [A] (📦 ×1, 🔩 ×1)



m205a2351

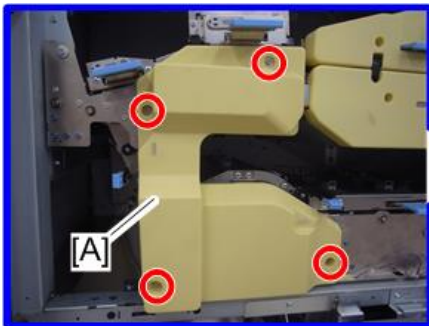
Paper Exit Inverter Roller Home Position Sensor

1. Open the front left door [A] and front right door [B] of the fusing section.



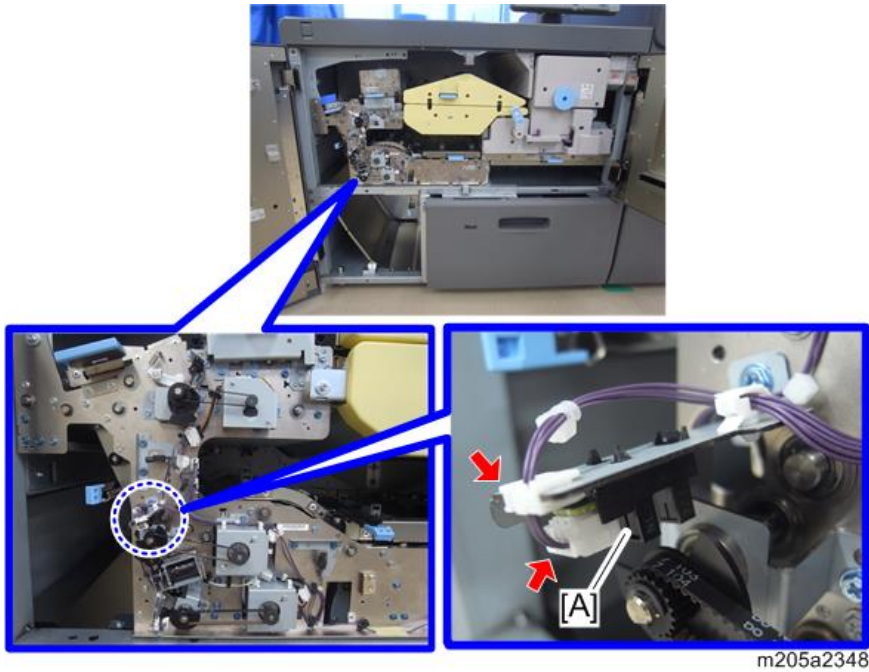
m205z5001

2. Paper switch back unit inner cover [A] (⌀ ϕ ×4)



m205a2342

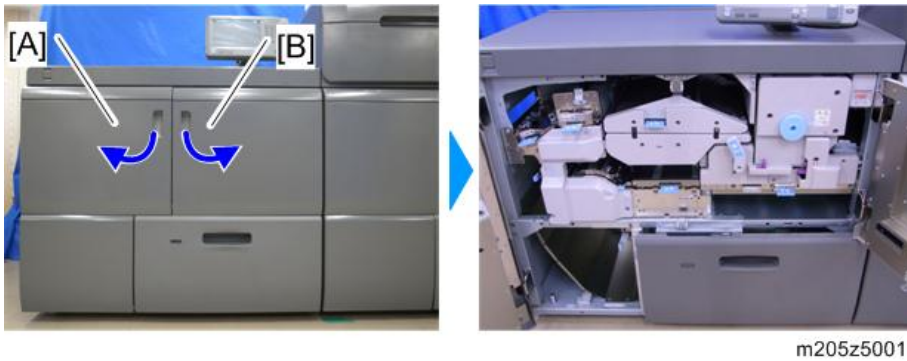
3. Paper exit inverter roller home position sensor [A] (x1, x1)



4

Duplex Inverter Roller Home Position Sensor

1. Open the front left door [A] and front right door [B] of the fusing section.

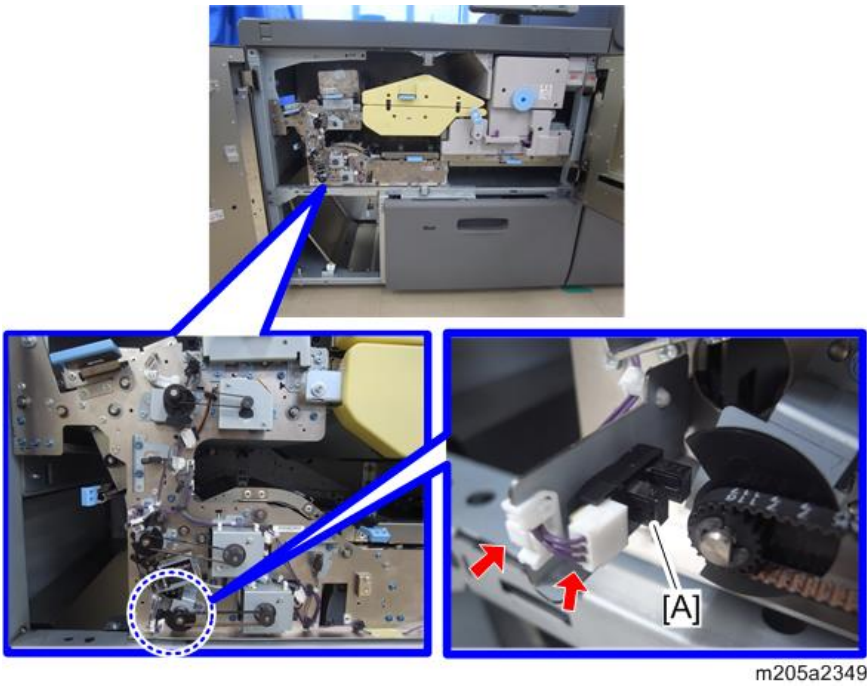


2. Paper switch back unit inner cover [A] (🔩×4)



4

3. Duplex inverter roller home position sensor [A] (🔧×1, 📦×1)



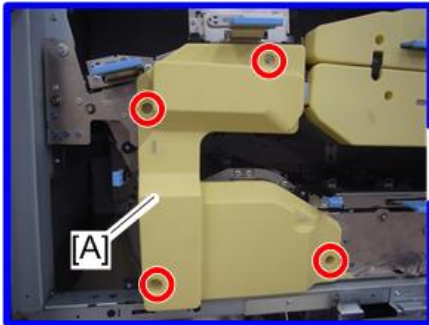
Exit Junction Gate Home Position Sensor

1. Open the front left door [A] and front right door [B] of the fusing section.



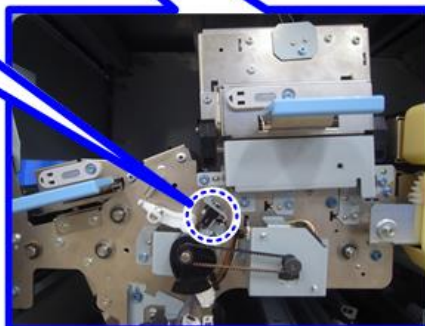
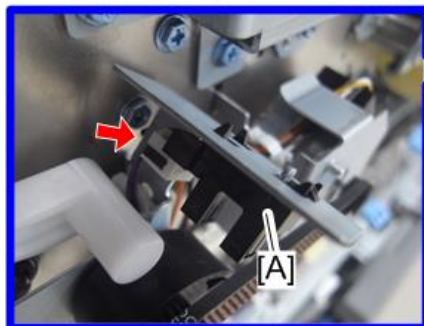
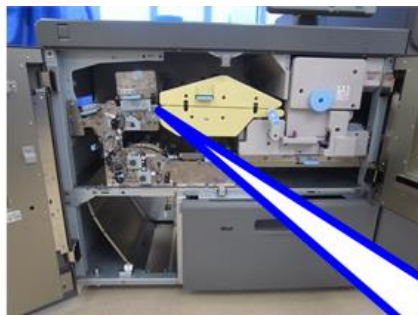
m205z5001

2. Paper switch back unit inner cover [A] (⌀ ϕ ×4)



m205a2342

3. Exit junction gate home position sensor [A] (📦 x1)



m205a2343

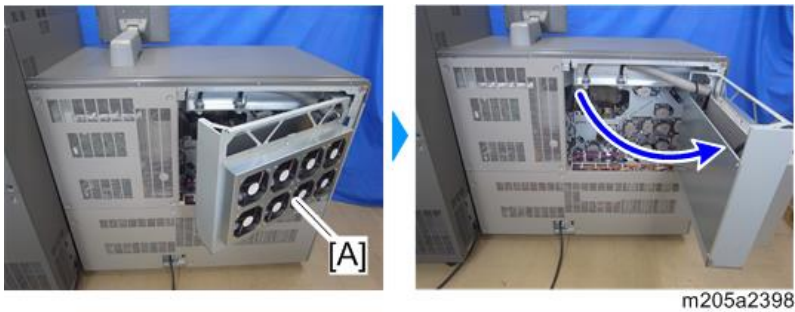
Paper Switch Back and Duplex Path Unit (2)

Duplex Unit

1. Duct cover (fusing section) (page 700)
2. Remove the fixing screw [B] of paper cooling belt fan bracket [A]. (⚙️ x1)



3. Open the paper cooling belt fan bracket [A].



4. Disconnect two connectors of the duplex unit. (📦 x2)



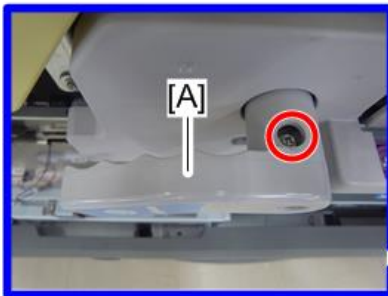
m205a2397

5. Open the front left door [A] and front right door [B] of the fusing section.



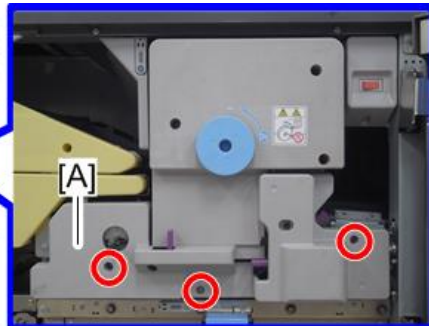
m205z5001

6. Rotate the handle [A] counter-clockwise and remove it. (🔧×1)



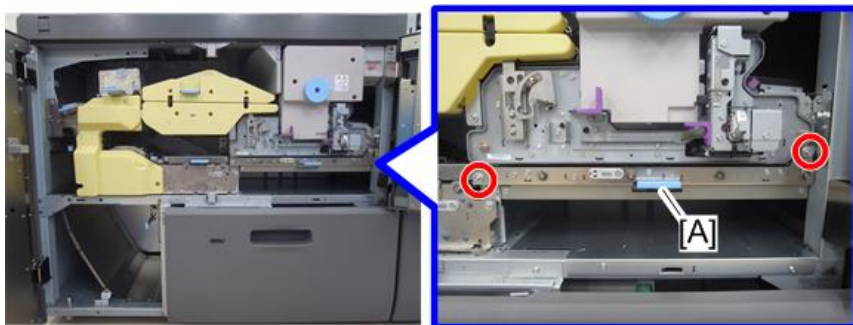
m205a2399

7. Remove the fusing front cover (drawer) [A]. (🔧×3)



m205a2400

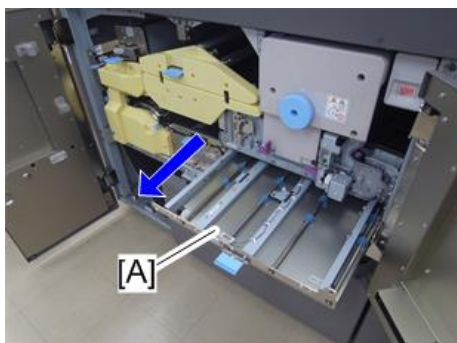
8. Remove the two fixing screws of the duplex unit [A]. (⌀ ×2)



m205a2401

4

9. Pull the duplex unit [A] out and remove it.

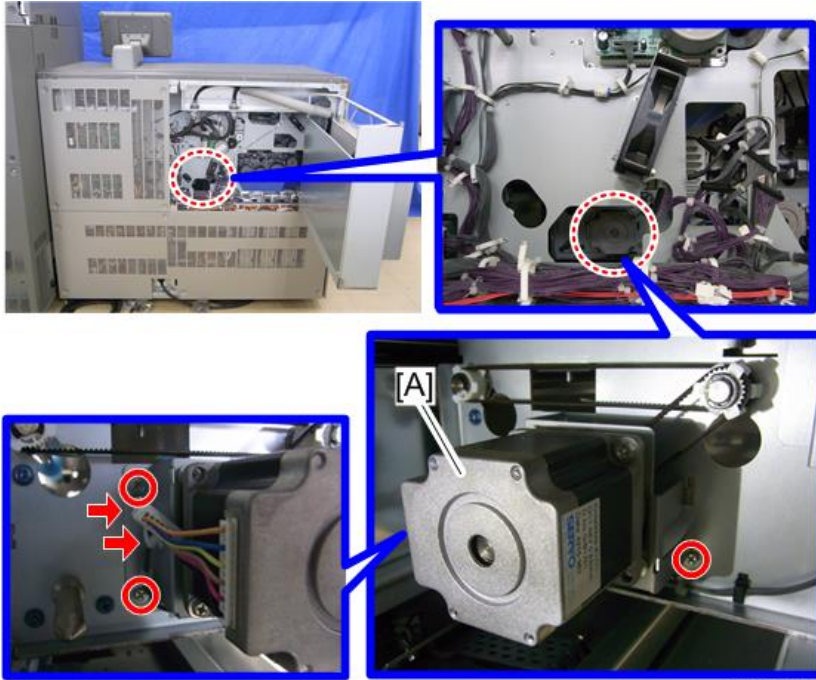


m205a2402

Paper Transport Motor 1

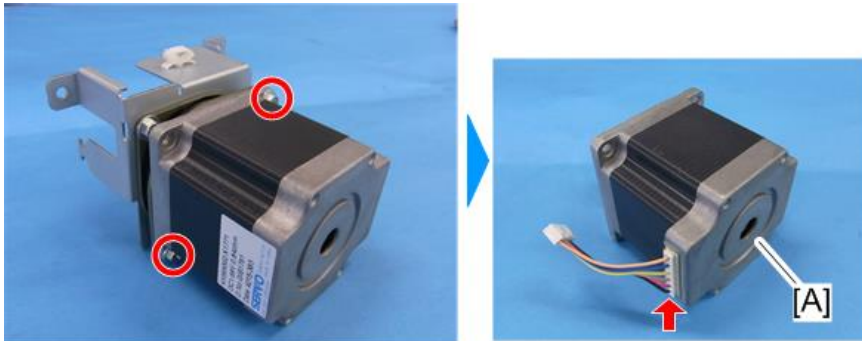
1. Withdraw the paper exit unit to the service position. (page 1250)

2. Remove the motor bracket [A] from rear side of paper exit unit. (⊙×3, ⊞×1, ⊞×1, ⊙×1)



m205a2748

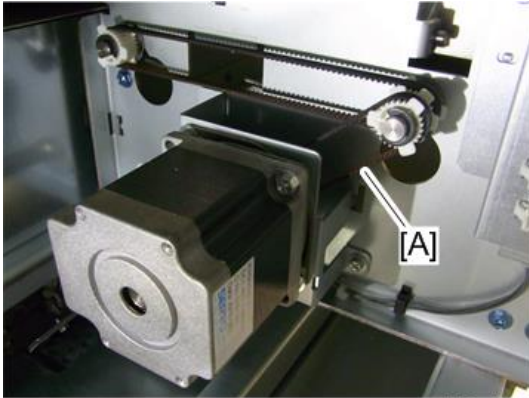
3. Paper transport motor 1 [A] (⊙×2, ⊞×1)



m205a2750

↓ **Note**

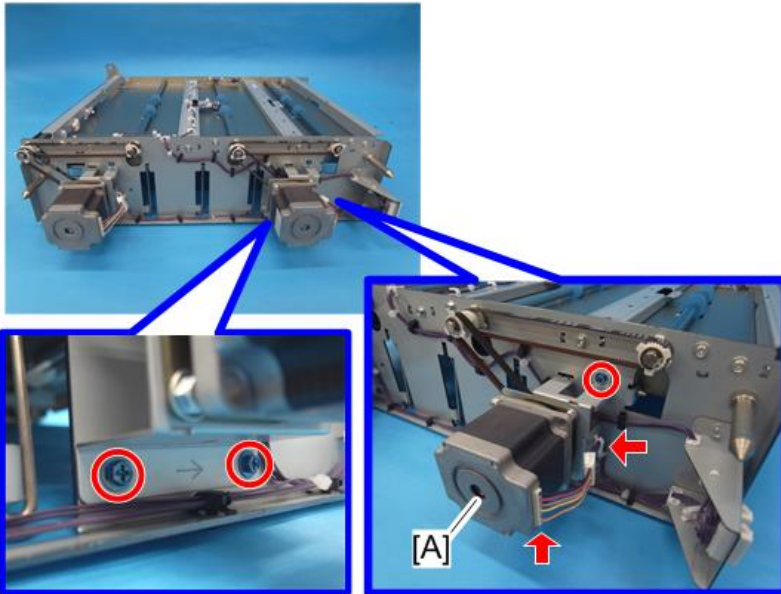
- When installing the paper transport motor 1, confirm that the motor is set to the timing belt [A] correctly.



m205a2749

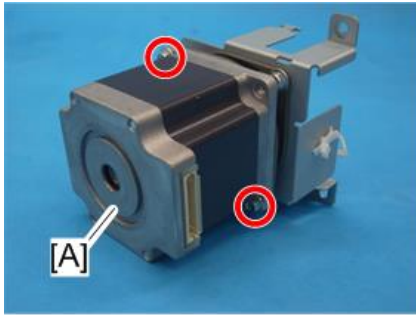
Paper Transport Motor 2

1. Duplex unit (page 1295)
2. Motor bracket [A] (🔩×3, 📏×1, 🛠️×1, 🌀×1)



m205a2408

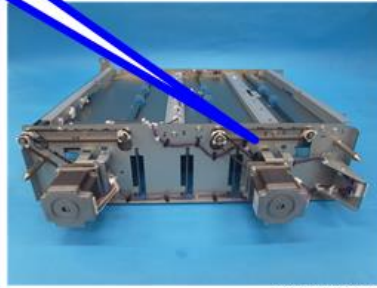
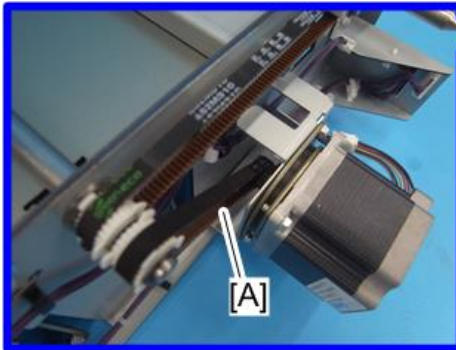
3. Paper transport motor 2 [A] (⌀ ×2)



m205a2409

↓ Note

- When installing paper transport motor 2, confirm that the motor is set to the timing belt [A] correctly.

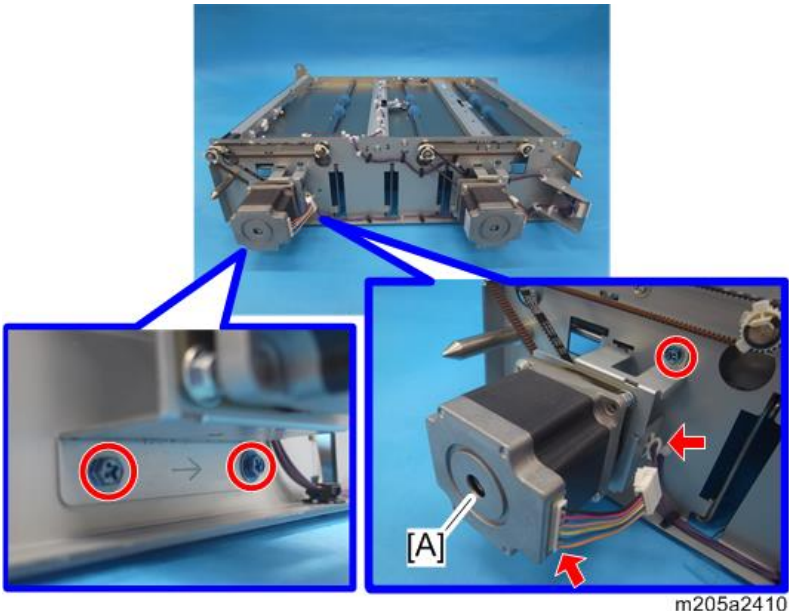


m205a2458

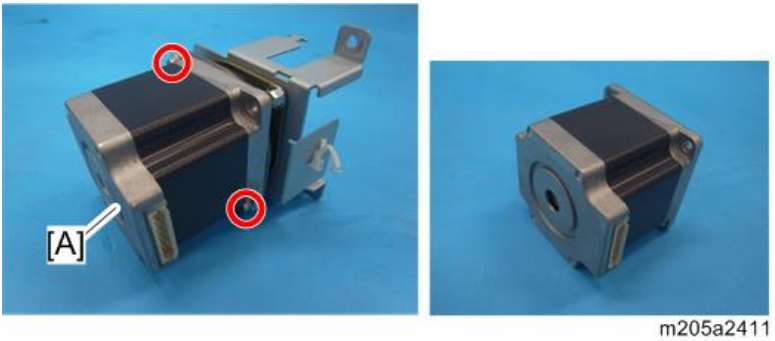
Paper Transport Motor 3

1. Duplex unit (page 1295)

2. Motor bracket [A] (⚙️ x3, 📦 x1, 🛠️ x1, 🌀 x1)

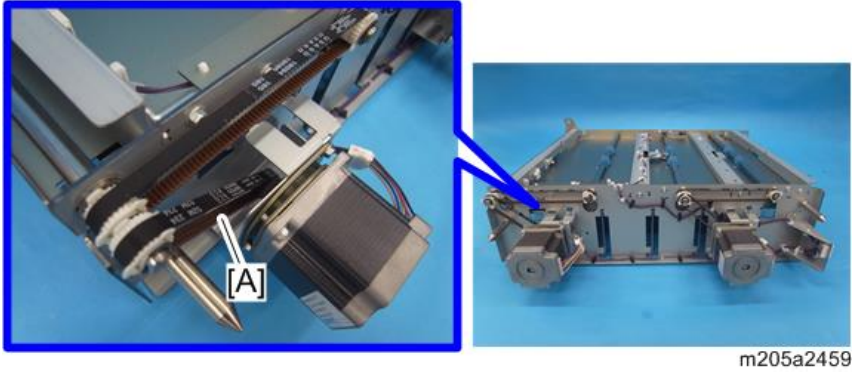


3. Paper transport motor 3 [A] (⚙️ x2)



↓ Note

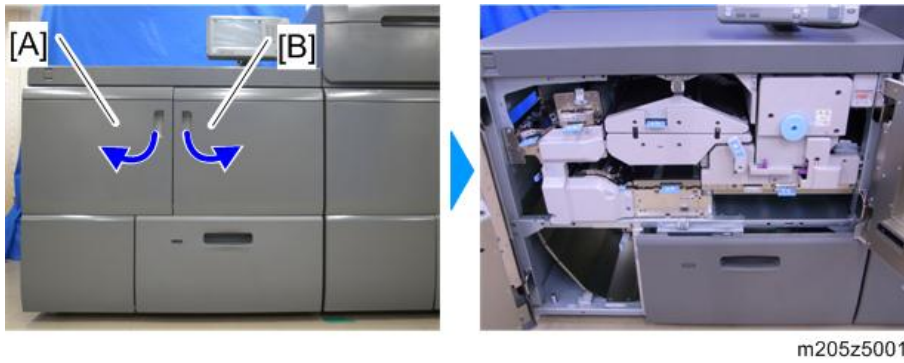
- When installing paper transport motor 3, confirm that the motor is set to the timing belt [A] correctly.



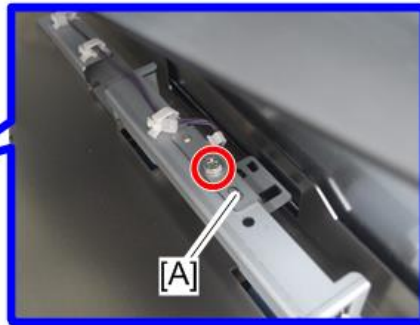
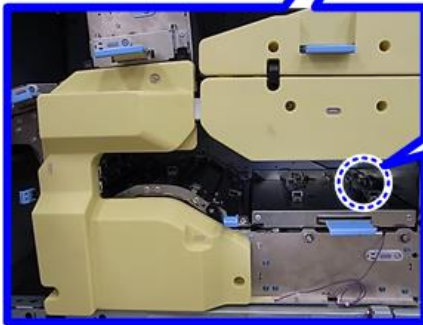
Paper Transport Sensor 1

4

1. Open the front left door [A] and front right door [B] of the fusing section.

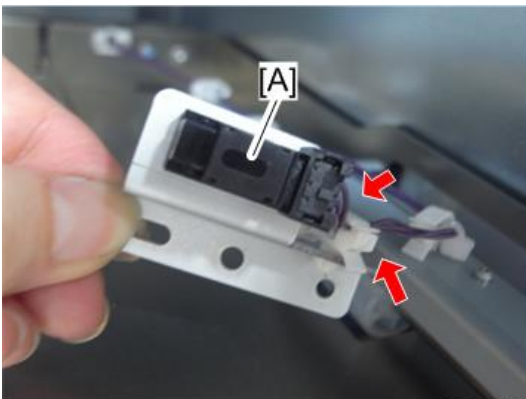


2. Sensor bracket [A] (🔑 x1)



m205a2413

3. Paper transport sensor 1 [A] (🔑 x1, 📦 x1)



m205a2412

Paper Transport Sensor 2

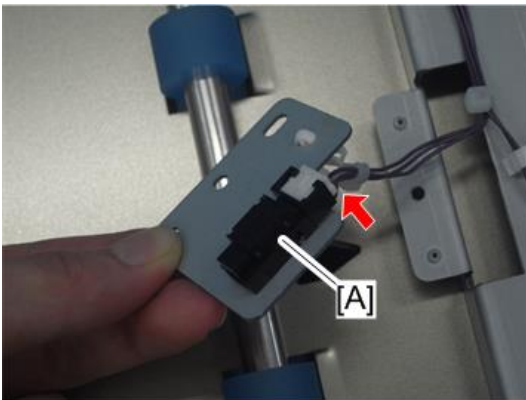
1. Duplex unit (page 1295)

2. Sensor bracket [A] (🔑×1)



m205a2404

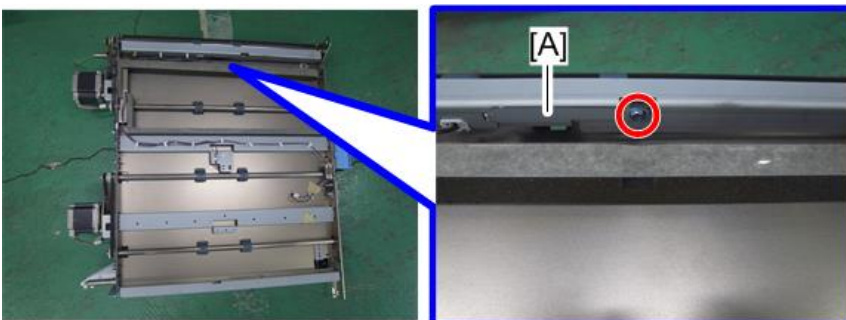
3. Paper transport sensor 2 [A] (🔑×1, 📦×1)



m205a2405

Paper Transport Sensor 3

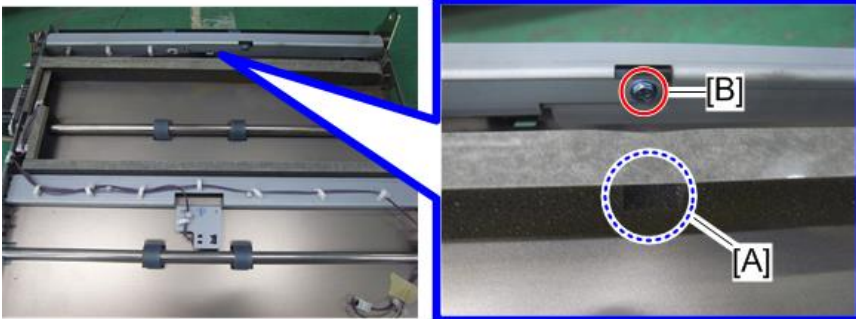
1. Duplex unit (Duplex Unit)
2. Sensor bracket [A] (🔑×1)



m205a2406

Note

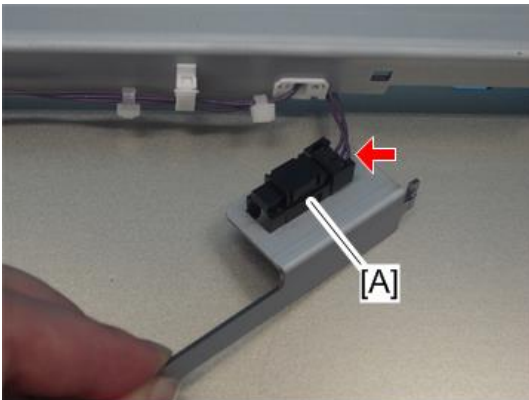
- When removing the sensor bracket, insert a screwdriver through the sponge hole [A] to remove the screw [B].



m205a2994

4

3. Paper transport sensor 3 [A] (📦 x1)

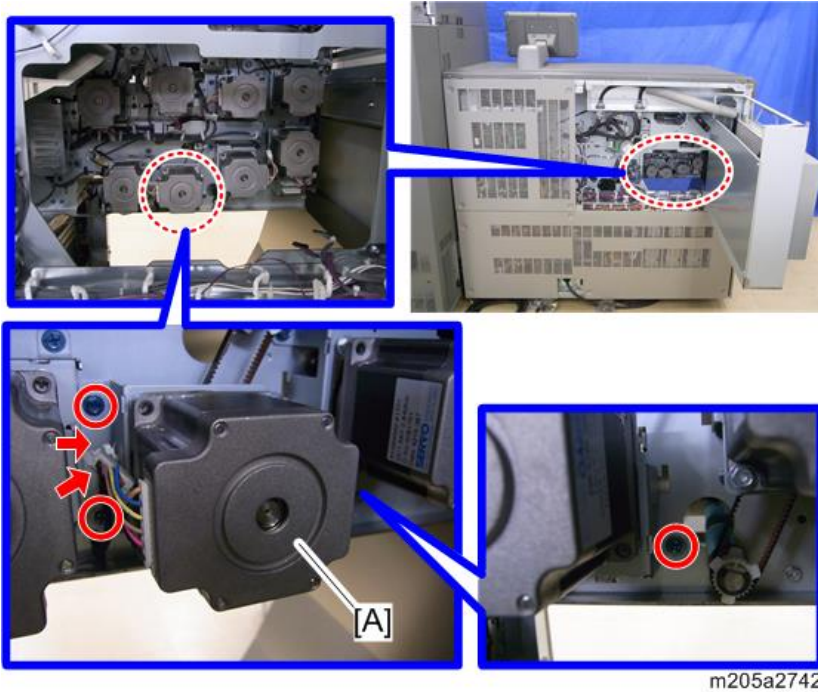


m205a2407

Duplex Transport Motor 1

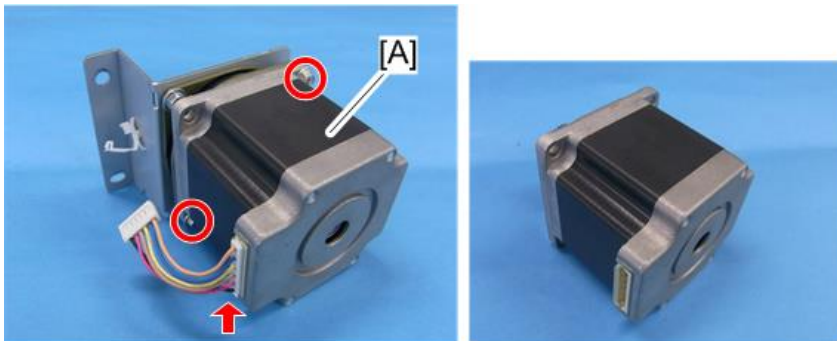
1. Withdraw the paper exit unit to the service position. (page 1250)

2. Remove the motor bracket [A] from rear side of paper exit unit. (⊙×3, ⊞×1, ⊠×1, ⊚×1)



m205a2742

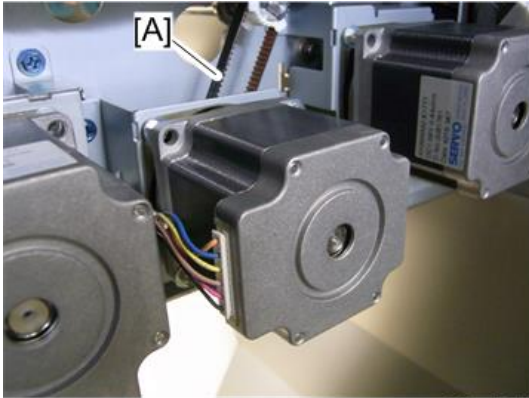
3. Duplex transport motor 1 [A] (⊙×2, ⊠×1)



m205a2743

⬇ Note

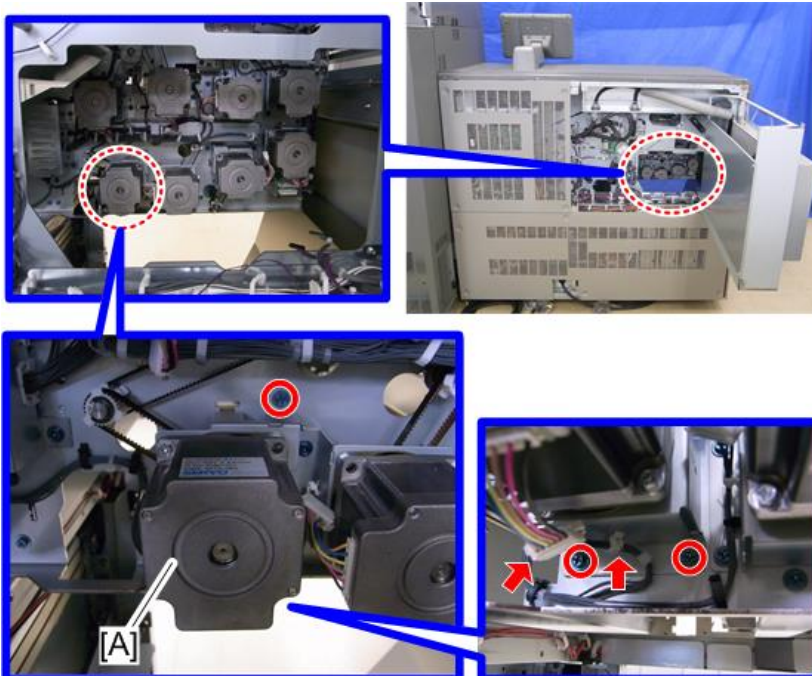
- When installing duplex transport motor 1, confirm that the motor is set to the timing belt [A] correctly.



m205a2744

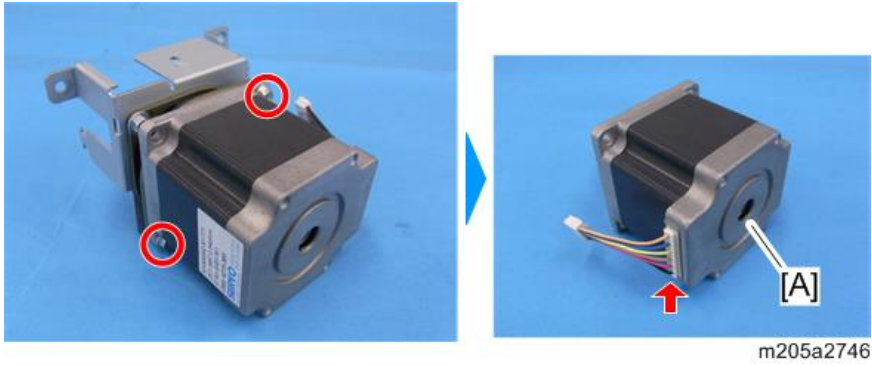
Duplex Transport Motor 2

1. Withdraw the paper exit unit to the service position. (page 1250)
2. Remove the motor bracket [A] from rear side of paper exit unit. (⊗×3, ⊕×1, ⊞×1, ⊙×1)



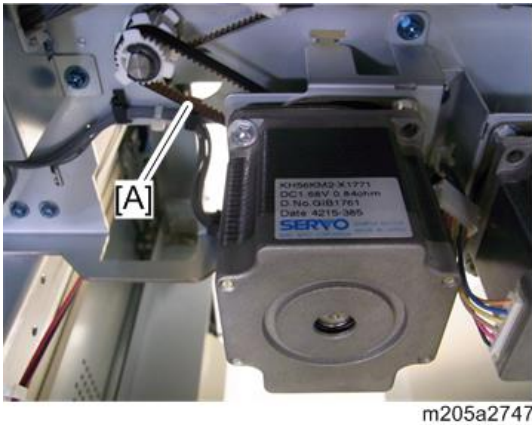
m205a2745

3. Duplex transport motor 2 [A] (🔩 ×2, 📦 ×1)



⚠ Note

- When installing duplex transport motor 2, confirm that the motor is set to the timing belt [A] correctly.



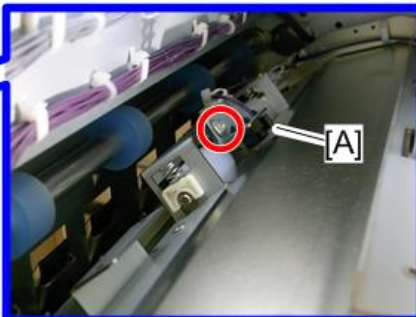
Duplex Transport Sensor 1

1. Open the front left door [A] and front right door [B] of the fusing section.



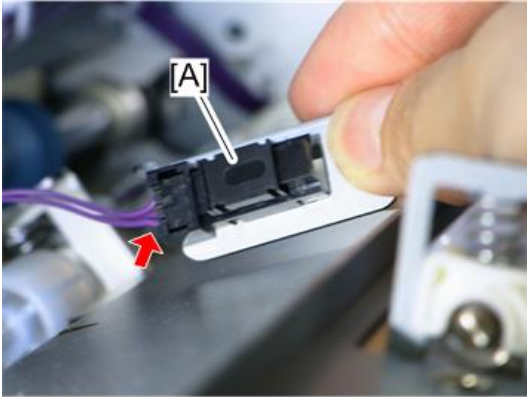
m205z5001

2. Sensor bracket [A] (🔩×1)



m205a2533

3. Duplex transport sensor [A] (📦 ×1)



m205a2534

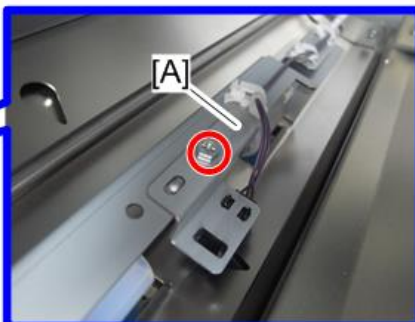
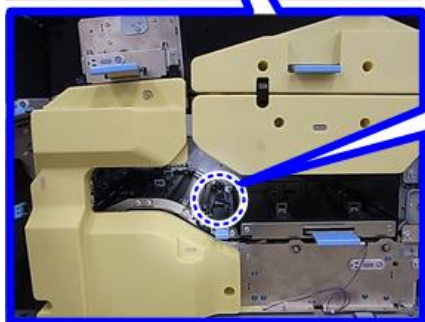
Duplex Transport Sensor 2

1. Open the front left door [A] and front right door [B] of the fusing section.



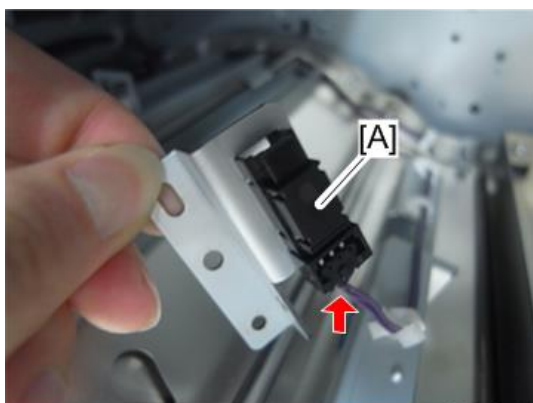
m205z5001

2. Sensor bracket [A] (🔑 ×1)



m205a2414

3. Duplex transport sensor [A] (📦 ×1)



m205a2415

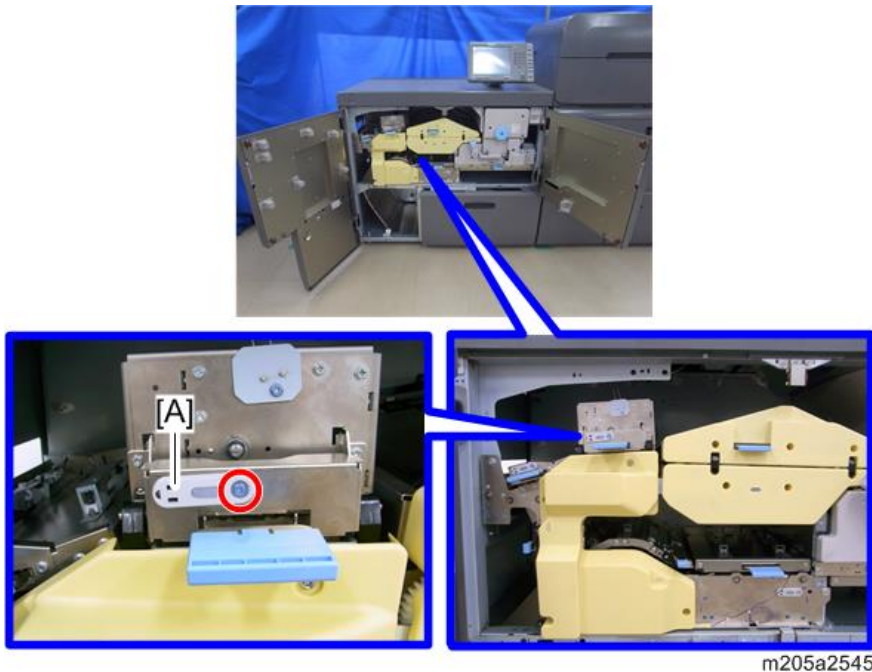
LED (Paper Switch Back and Duplex Path Unit)

De-curler Unit LED

1. Open the front left door [A] and front right door [B] of the fusing section.



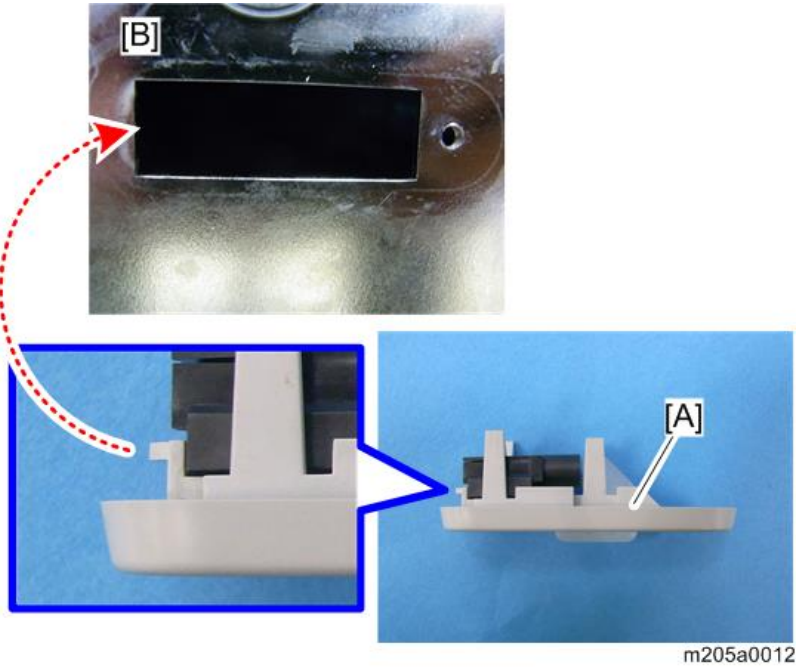
2. LED bracket [A] (🔩×1)



↓ Note

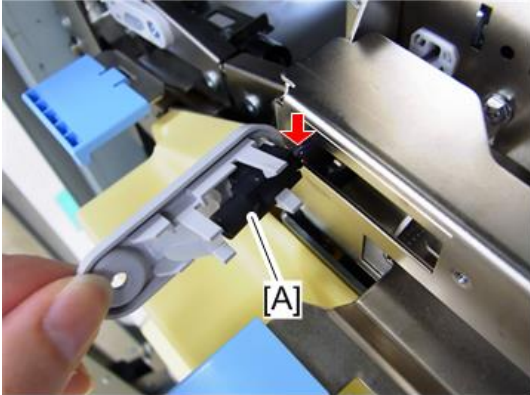
- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].

4



m205a0012

3. De-curler unit LED [A] (📦 x1)



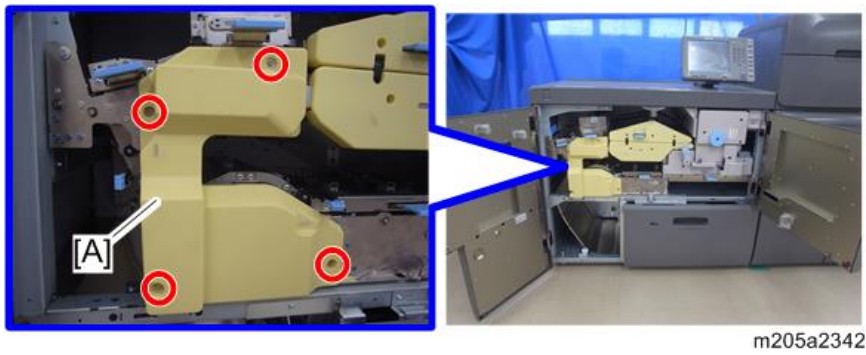
m205a2546

Paper Exit Inverter LED

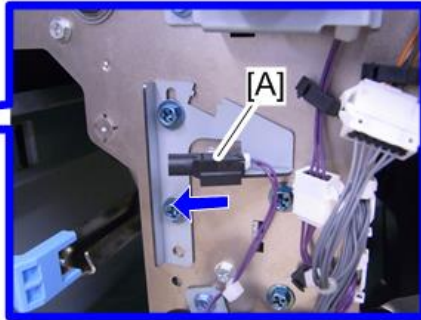
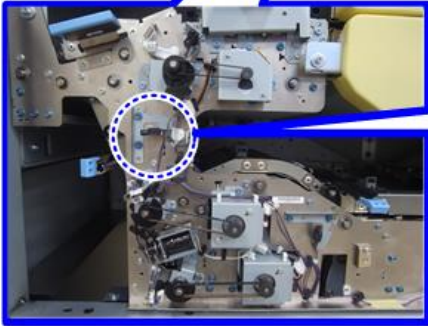
1. Open the front left door [A] and front right door [B] of the fusing section.



2. Paper switch back unit inner cover [A] (⌀ ϕ ×4)

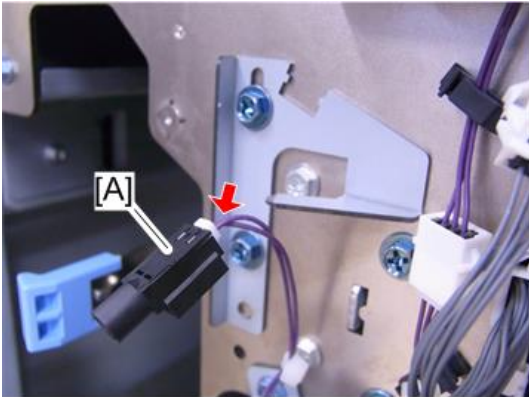


3. Pull out paper exit inverter LED [A] in the direction of the arrow and remove it from the bracket.



m205a2551

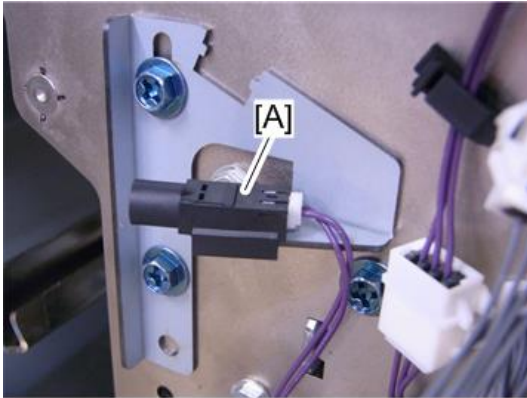
4. Paper exit inverter LED [A] (📦 ×1)



m205a2552

Note

- When installing the new paper exit inverter LED [A], be careful about mounting position. If the LED is installed the wrong way round, LED light is not easy to see.



m205a0001

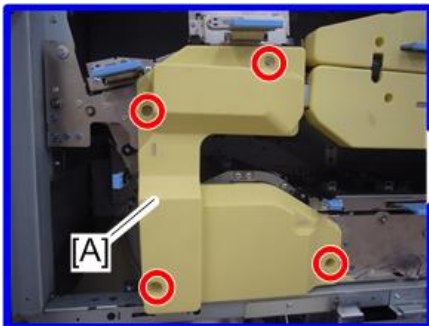
Duplex Inverter LED

1. Open the front left door [A] and front right door [B] of the fusing section.



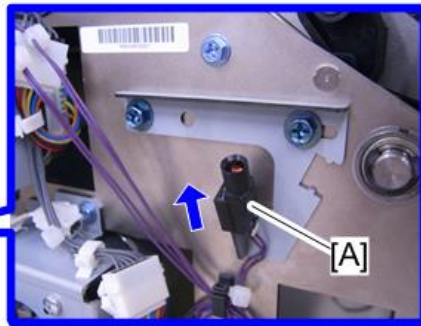
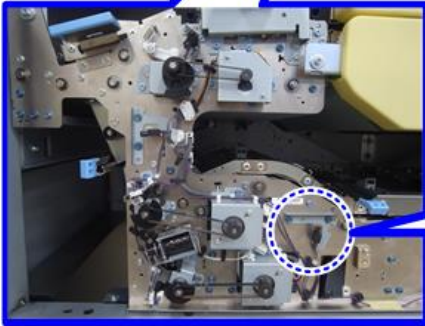
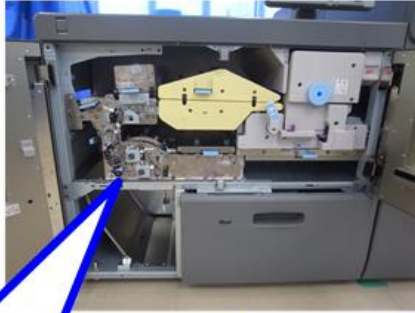
m205z5001

2. Paper switch back unit inner cover [A] (⊙ ×4)



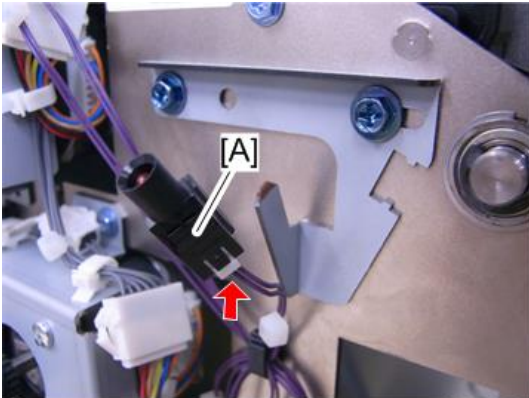
m205a2342

3. Pull out duplex inverter LED [A] in the direction of the arrow and remove it from the bracket.



m205a2553

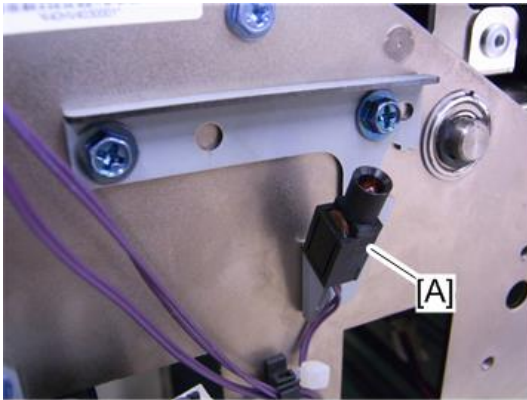
4. Duplex inverter LED [A] (📦 ×1)



m205a2554

Note

- When installing the new duplex inverter LED [A], be careful about mounting position. If the LED is installed the wrong way round, LED light is not easy to see.



m205a0002

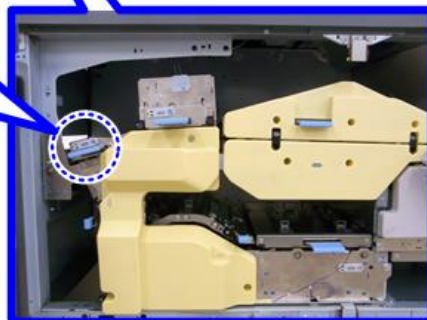
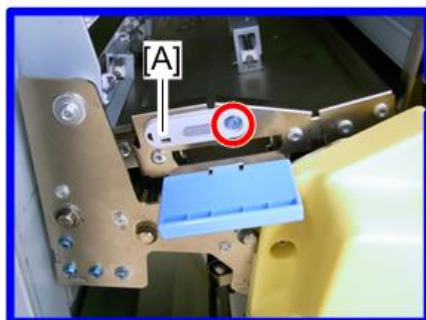
Paper Exit LED

1. Open the front left door [A] and front right door [B] of the fusing section.



m205z5001

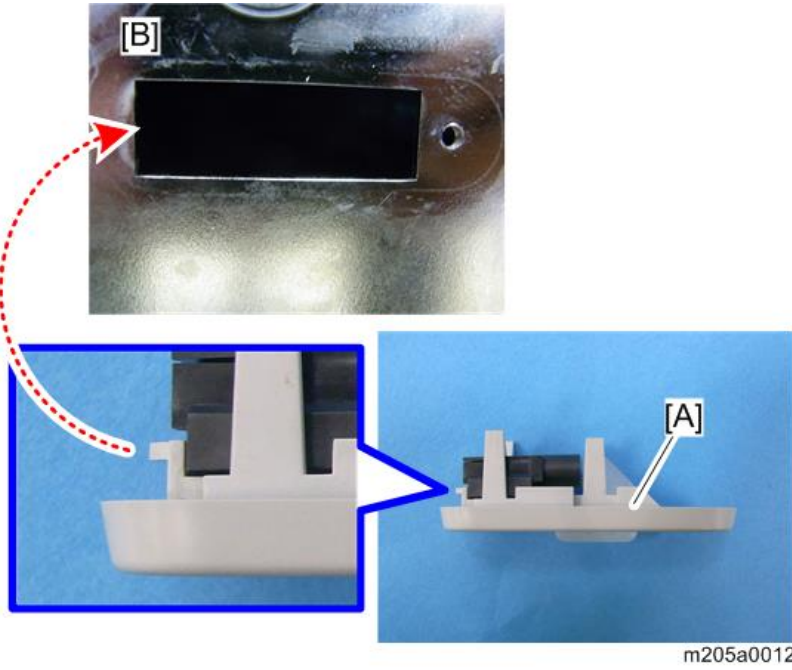
2. LED bracket [A] (🔩 ×1)



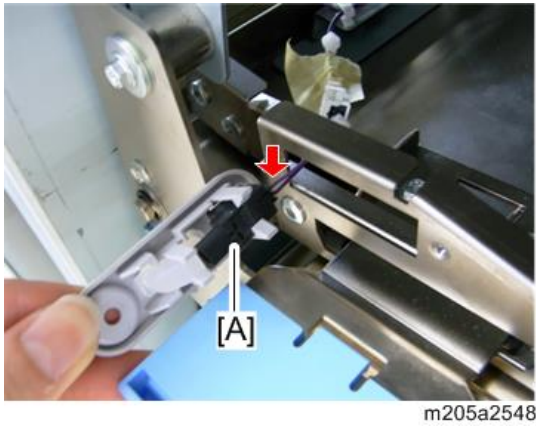
m205a2547

↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Paper exit LED [A] (📦 x1)

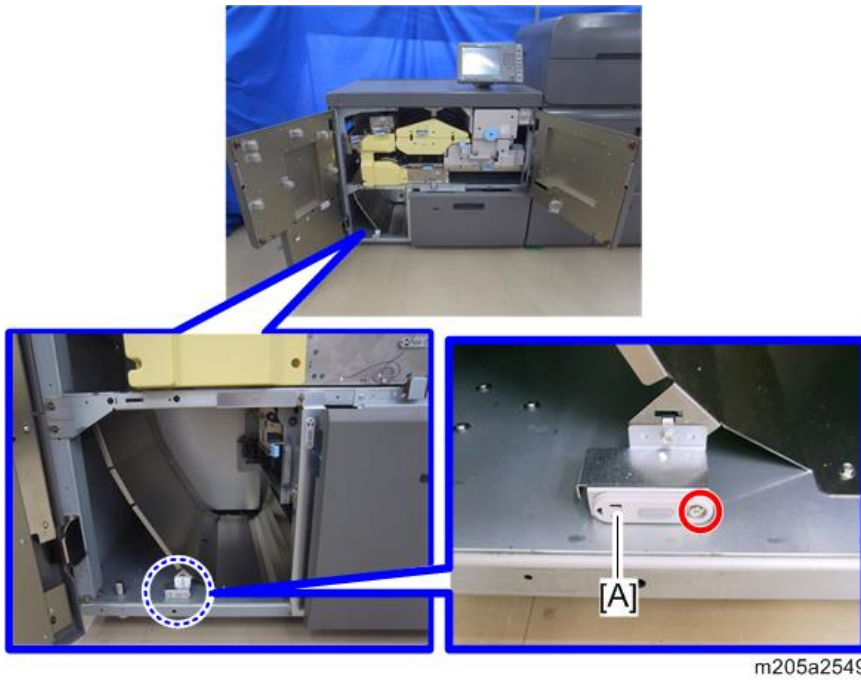


Purge Tray LED

1. Open the front left door [A] and front right door [B] of the fusing section.

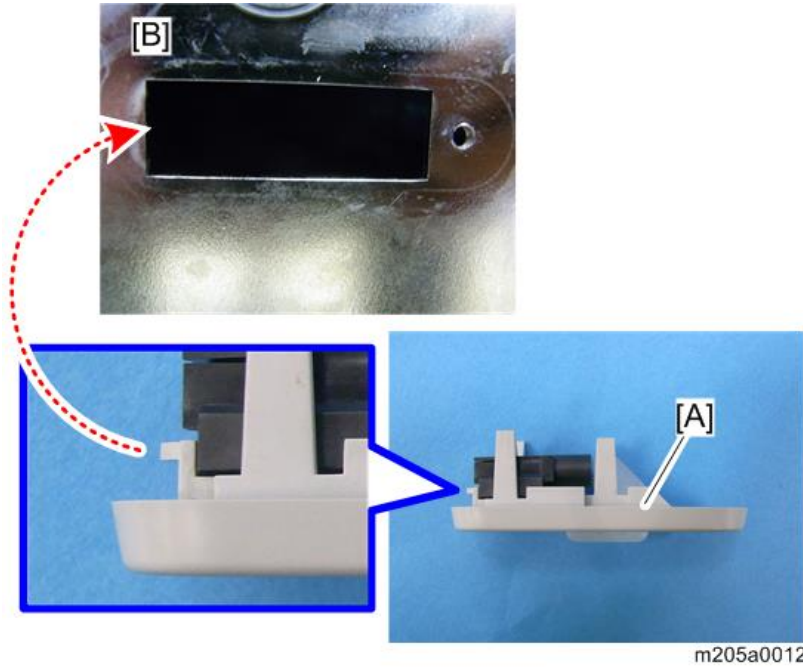


2. LED bracket [A] (🔩×1)

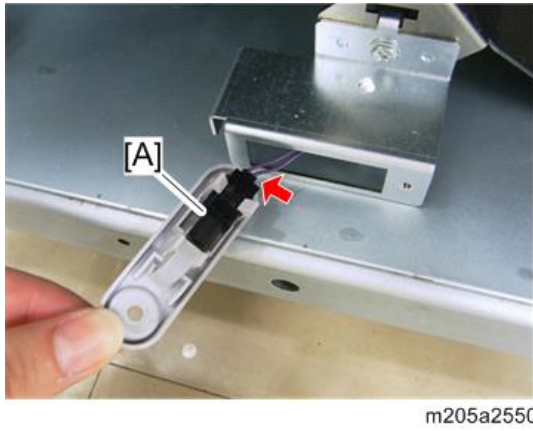


↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].

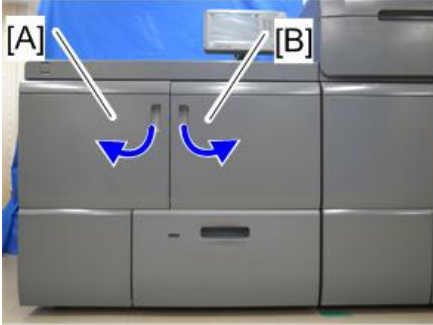


3. Purge tray LED [A] (📦 x1)



Paper Transport LED 1

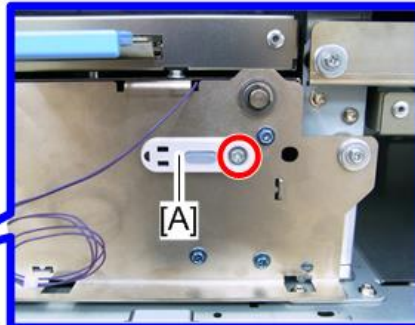
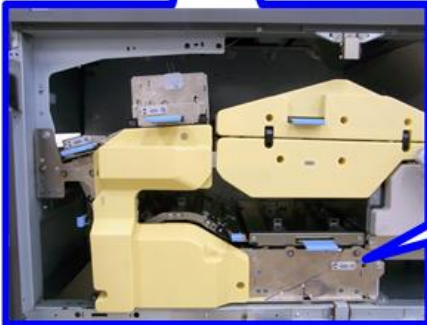
1. Open the front left door [A] and front right door [B] of the fusing section.



m205z5001

4

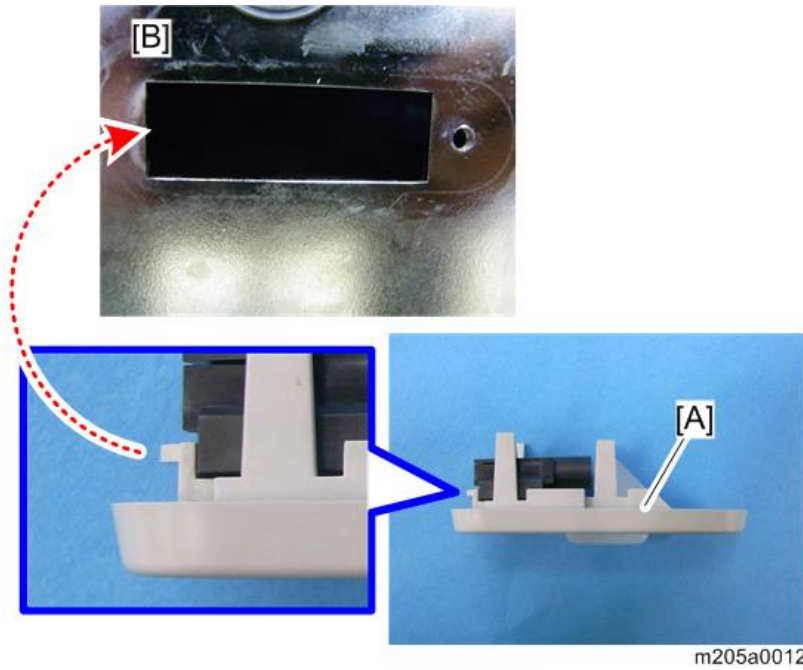
2. LED bracket [A] (🔩×1)



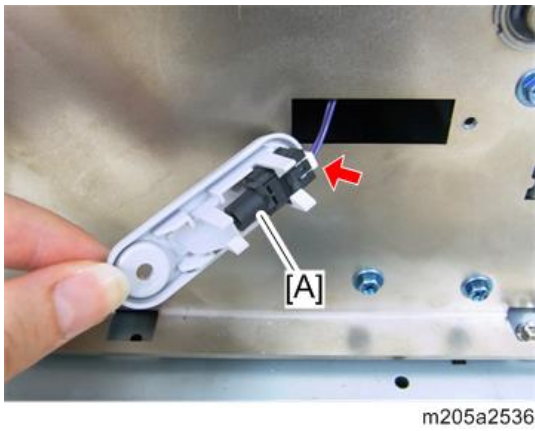
m205a2535

↓ Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].

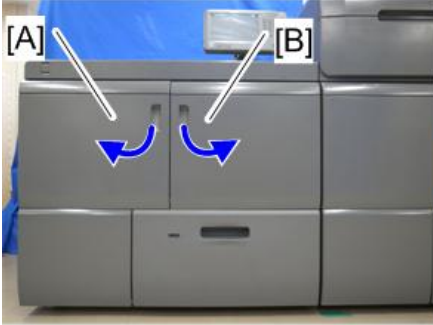


3. Paper transport LED 1 [A] (📦 x1)



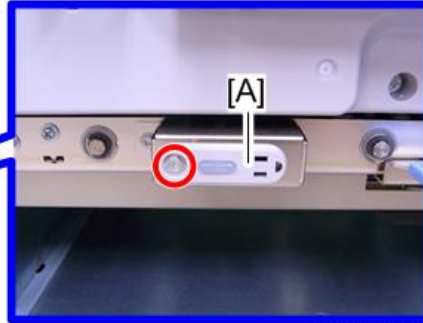
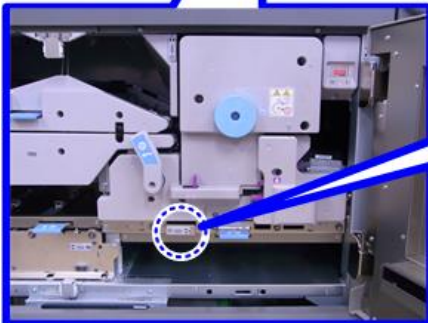
Paper Transport LED 2

1. Open the front left door [A] and front right door [B] of the fusing section.



m205z5001

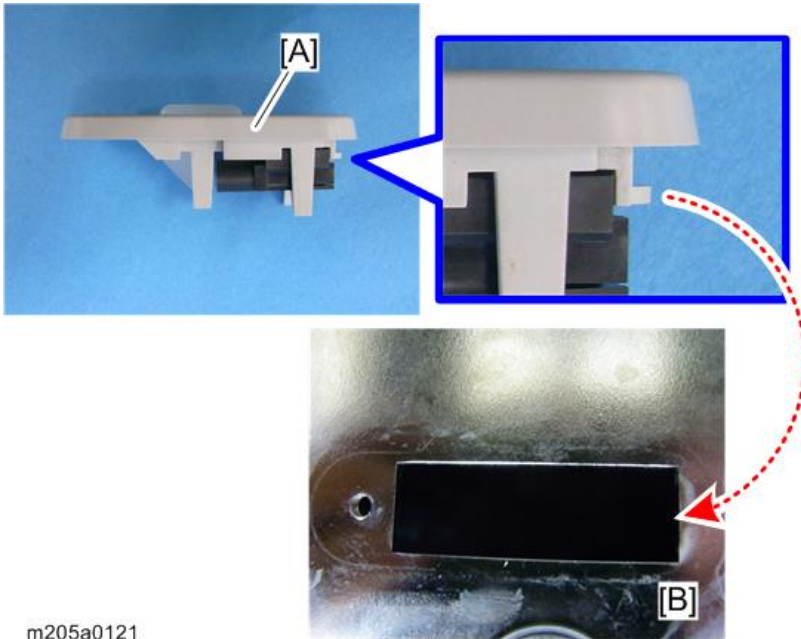
2. LED bracket [A] (🔩×1)



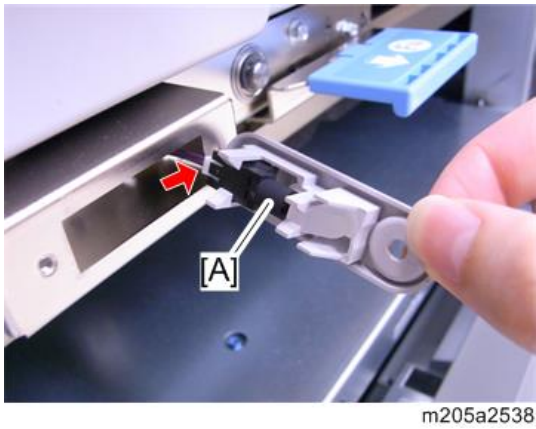
m205a2537

Note

- When installing the LED bracket to the main machine, insert projection part of LED bracket [A] to main frame [B].



3. Paper transport LED 2 [A] (📦 x1)

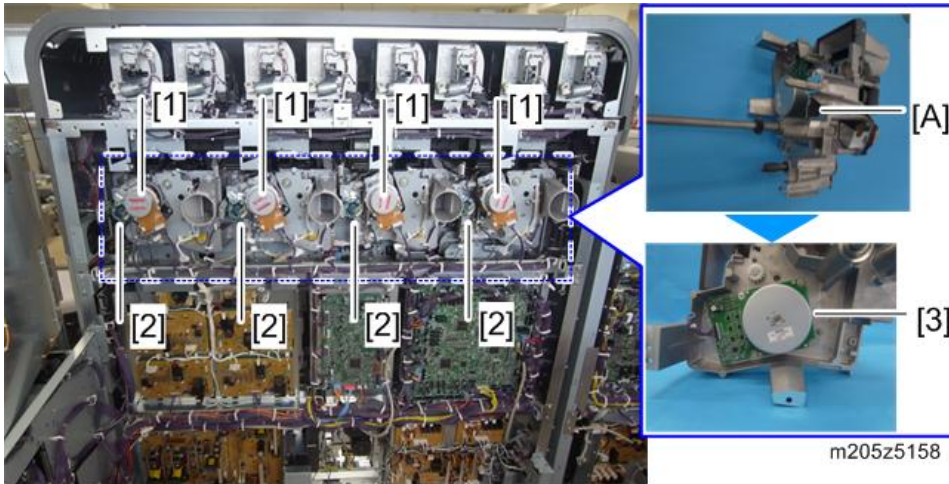


Drive Unit

Layout (Motor)

Imaging Section Drive Unit

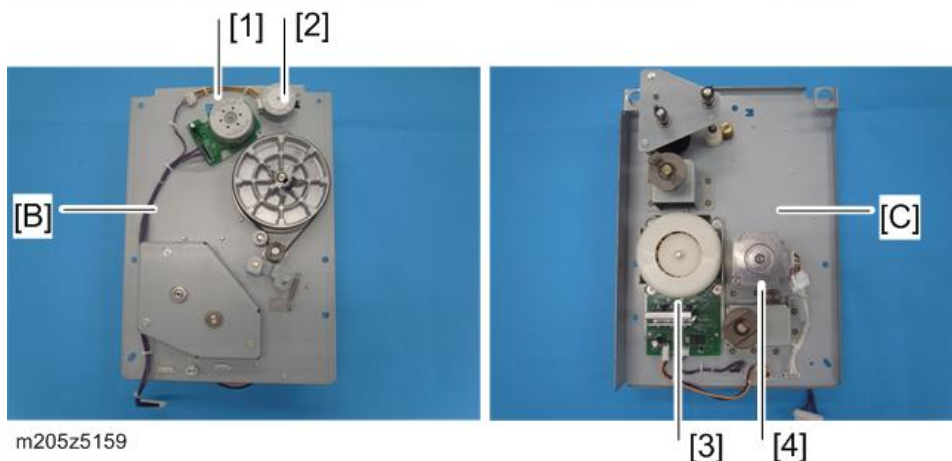
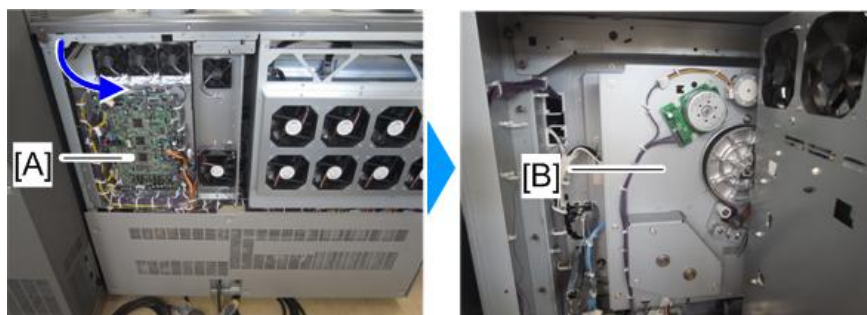
To work on the imaging section drive unit, open the rear box of the exterior. (page 691)



No.	Part Name	Replacement procedure	Remarks
1	Drum Motor (KCMY)	page 1331	K, C, M, Y from the left
2	Drum Cleaning Motor (KCMY)	page 1333	K, C, M, Y from the left
3	Development Motor (KCMY)	page 1334	K, C, M, Y from the left Located behind the Imaging Section Drive Unit [A].

Fusing Section Drive Unit

To work on the fusing section drive unit, remove the rear upper left cover (fusing section) and the duct cover (fusing section). (page 699, page 700)

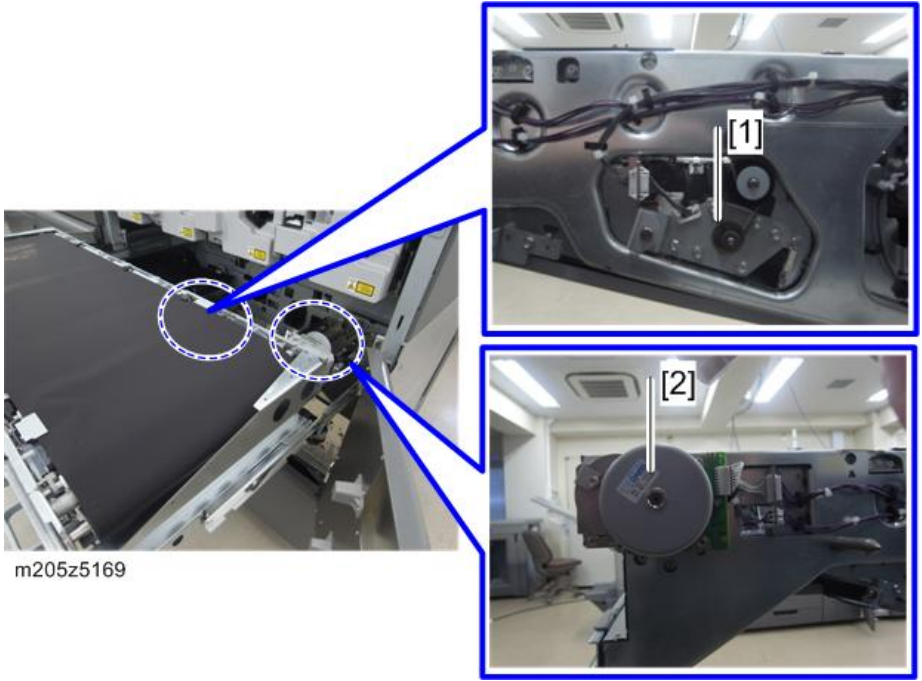


m205z5159

No.	Part Name	Replacement procedure	Remarks
1	Fusing Refresh Roller Motor	page 1337	Located on the front side of the fusing drive unit [B] which is behind the IOB2 [A].
2	Fusing Refresh Roller Contact Motor	page 1340	Located on the front side of the fusing drive unit [B] which is behind the IOB2 [A].
3	Fusing Motor	page 1341	Located on the back side of the fusing drive unit [C] which is behind the IOB2 [A].
4	Press Roller Lift Motor	page 1342	Located on the back side of the fusing drive unit [C] which is behind the IOB2 [A].

ITB Drive Unit/ITB Belt Centering Drive Unit

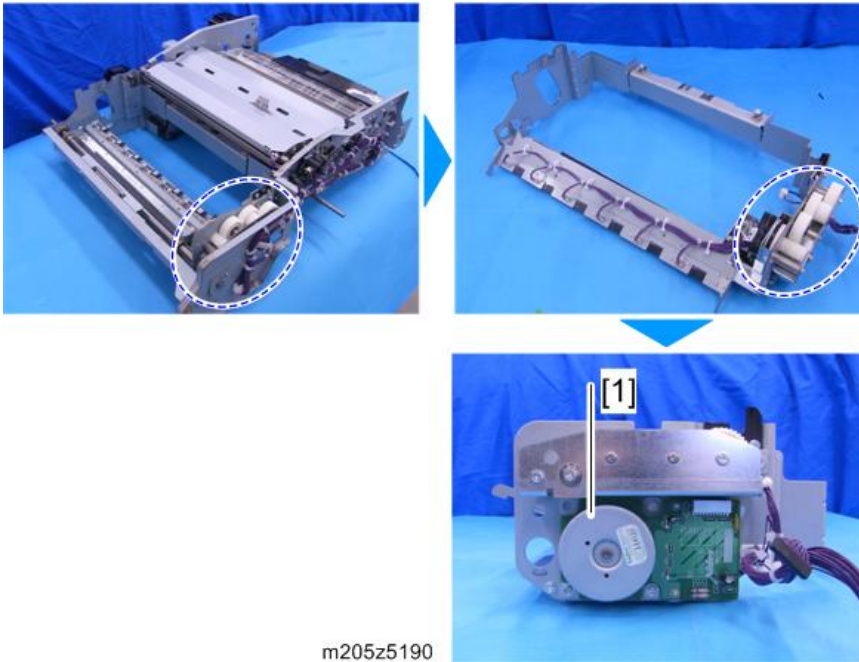
ITB drive unit/ITB belt centering drive unit are located inside the ITB unit (rear).



No.	Part Name	Replacement procedure	Remarks
1	ITB Belt Centering Motor	page 831	
2	ITB Motor	page 817	

Paper Transfer Belt Drive Unit

Paper transfer belt drive unit is located inside the paper transfer unit (rear).



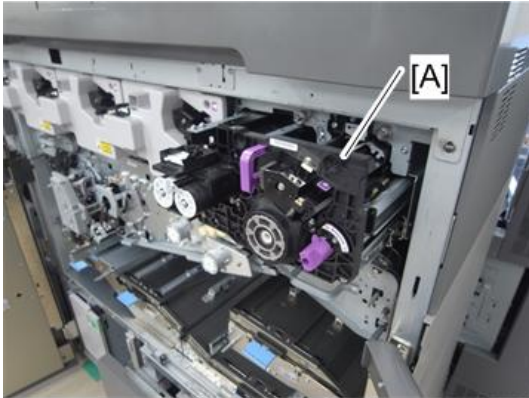
No.	Part Name	Replacement procedure	Remarks
1	PTR Motor	page 896	

Drum Motor (KCMY)

1. Withdraw the PCDU. (page 753)

⬇ Note

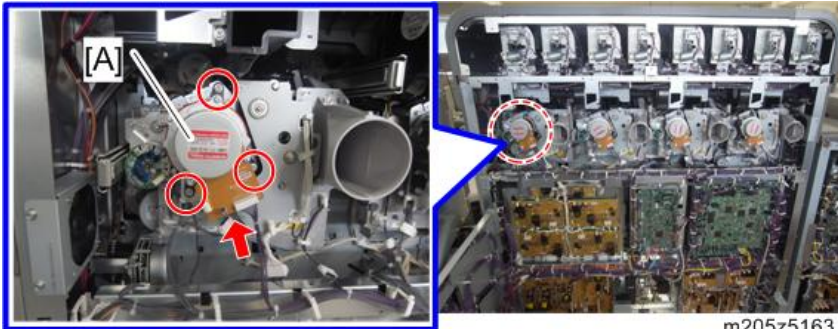
- When removing the drum motor or the imaging section drive unit, withdraw the PCDU [A] slightly.



m205z5160

4 2. Remove the drum motor [A] with the shaft. (🔧 ×3, 📦 ×1)

Example below: K

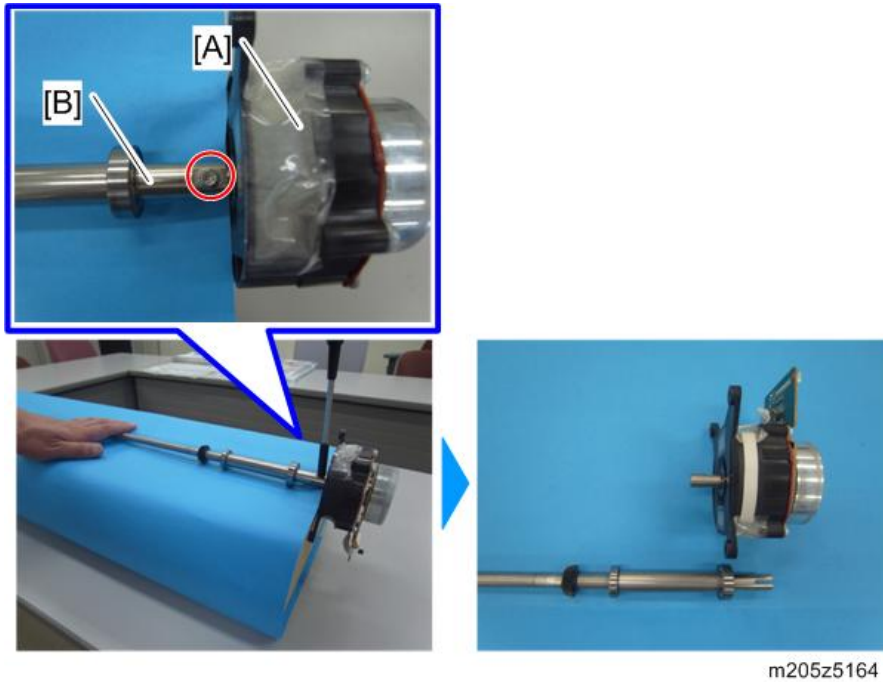


m205z5163

3. Drum motor [A] (🔧 ×1)

⬇️ Note

- When removing or re-installing the drum shaft [A] and the motor [B], the binding portion of the drum shaft [A] and the motor [B] must be maintained in a horizontal state so that excessive load is not put on the drum shaft. In order to avoid deformation of the fixing screw, use a box-type driver.

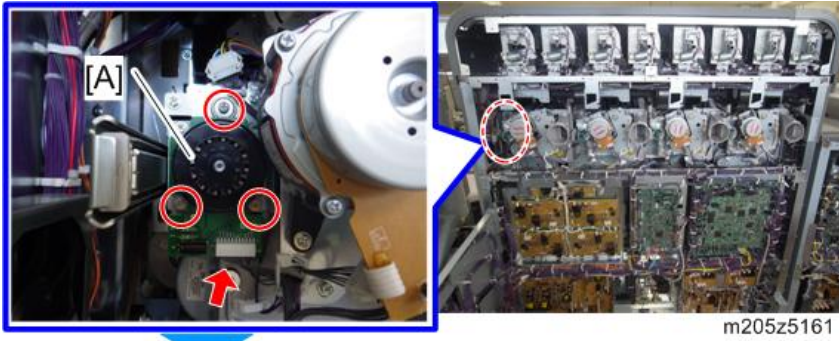
**Note**

- The procedures for C, M, and Y are the same as for K.

Drum Cleaning Motor (KCMY)

1. Remove the drum cleaning motor [A] with the bracket. (🔩×3, 📦×1)

Example below: K



4

Note

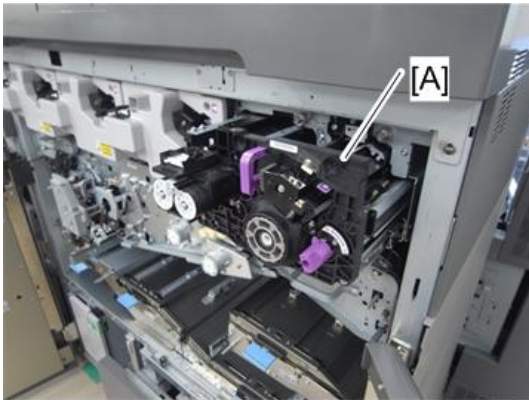
- The procedures for C, M, and Y are the same as for K.

Development Motor (KCMY)

1. Withdraw the PCDU. (page 753)

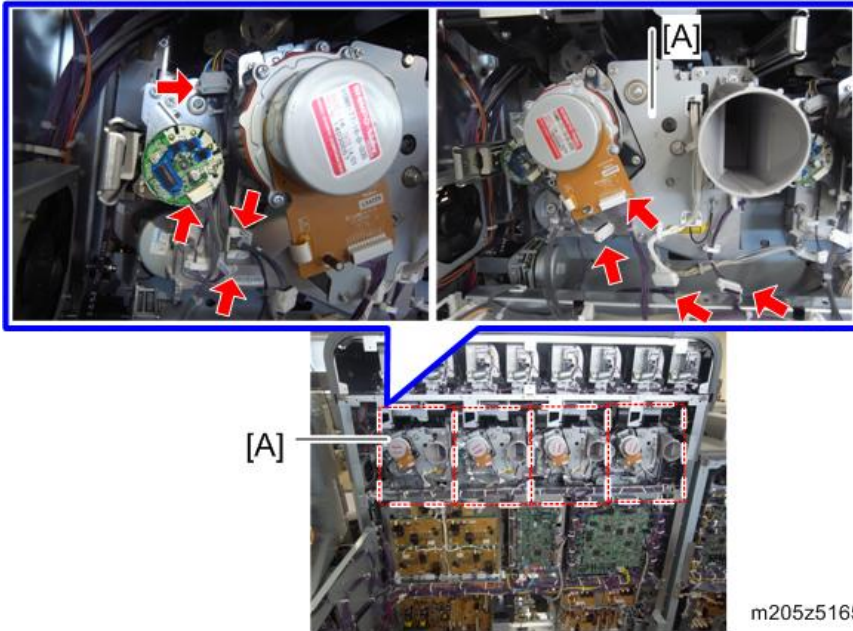
Note

- When removing the drum motor or the imaging section drive unit, withdraw the PCDU [A] slightly.



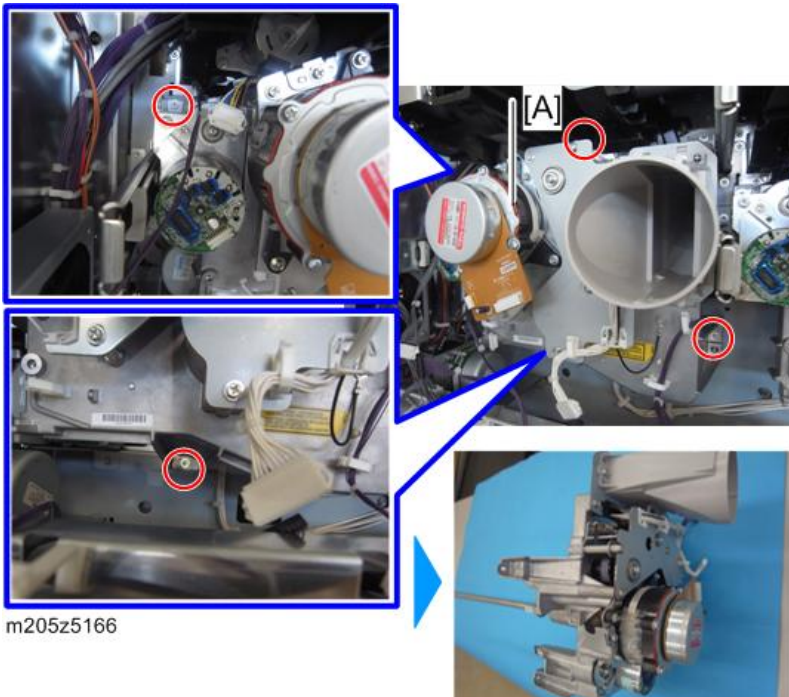
2. Open the clamps and disconnect the connectors of the imaging section drive unit [A]. (🔧
x1, 📦 x7)

Example below: K



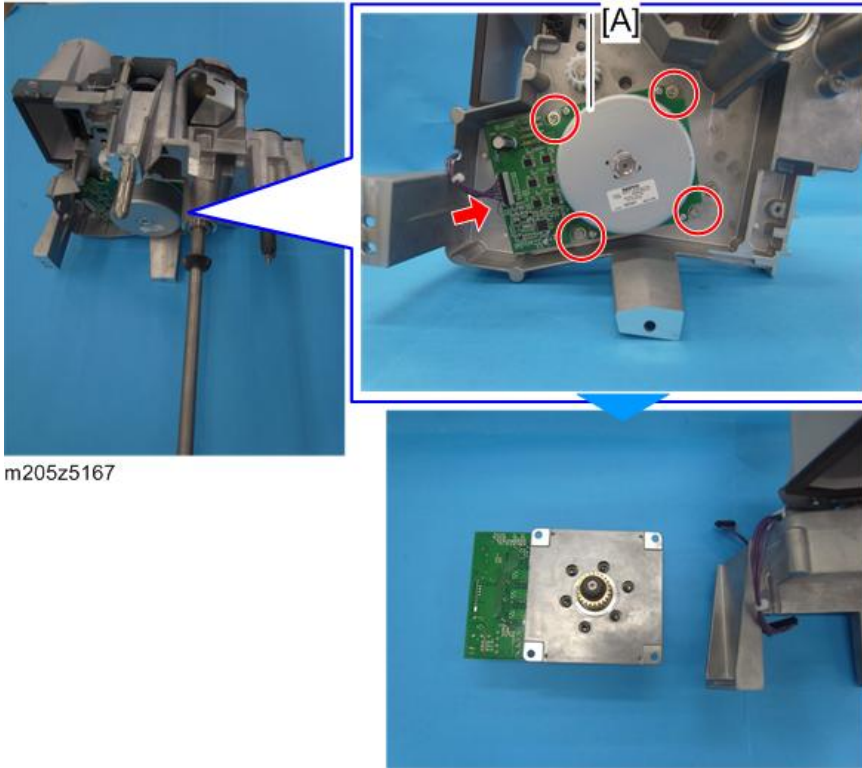
m205z5165

3. Imaging section drive unit [A] (🔧 x4)



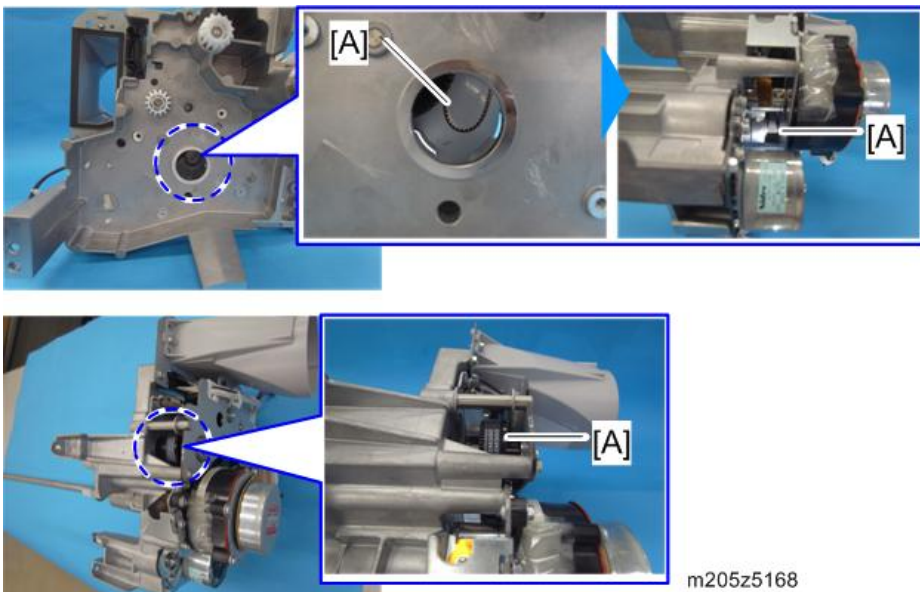
m205z5166

4. Development motor [A] (⊗ x4, ⊞ x1)



↓ Note

- When installing the motor, confirm that the timing belt [A] is set to the gear correctly.

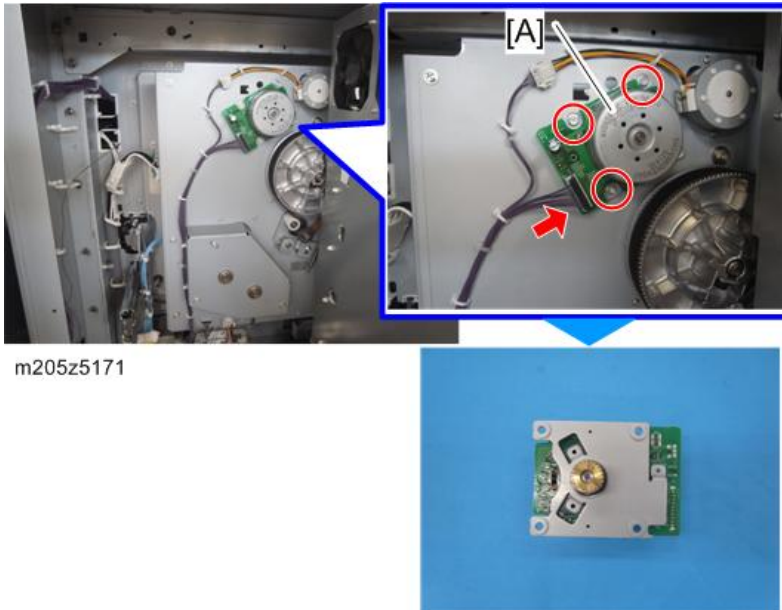


Fusing Refresh Roller Motor

1. Open the IOB2 with the bracket [A]. (⚙️ x5, 🛠️ x1, 📦 x1)

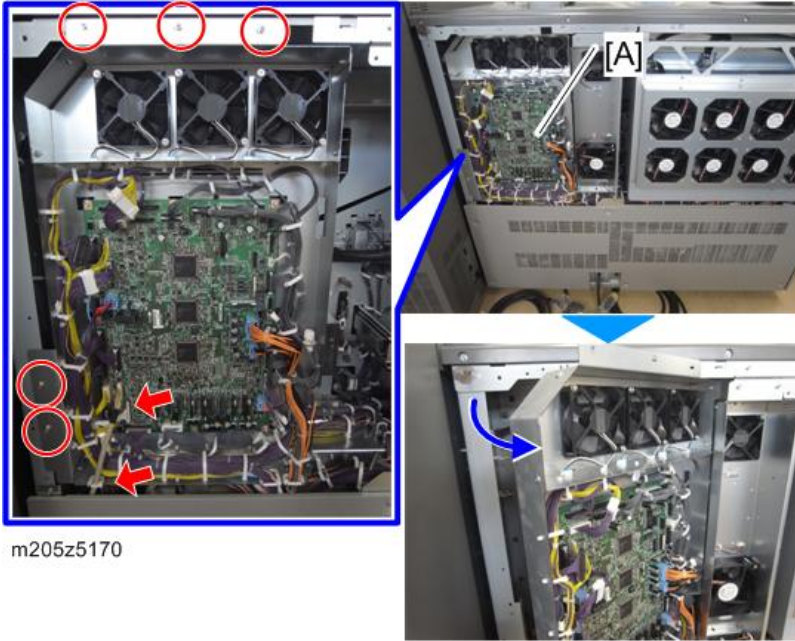


2. Fusing refresh roller motor [A] (⚙️ x3, 📦 x1)

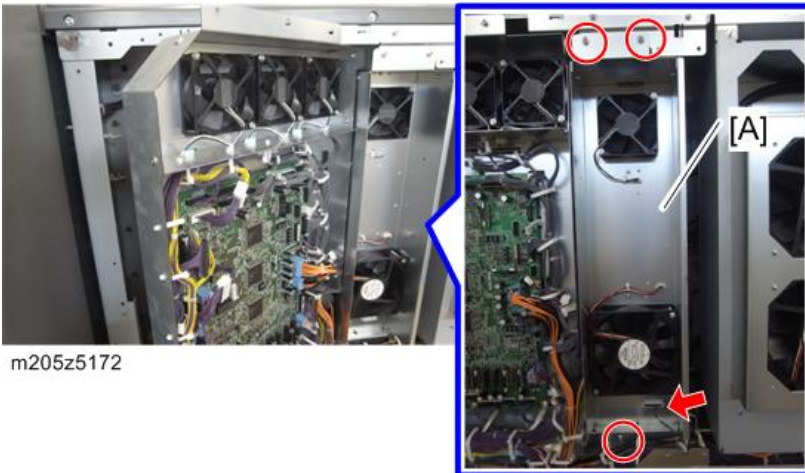


Fusing Drive Unit

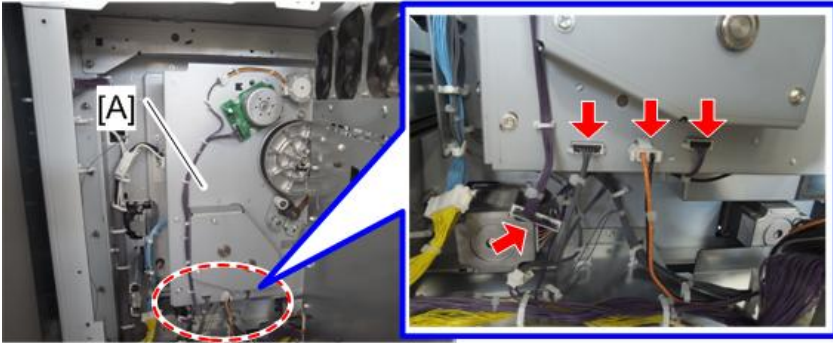
1. Open the IOB2 with the bracket [A]. (🔩×5, 🛠️×1, 📦×1)



2. Fan bracket [A] (🔩×3, 📦×1)

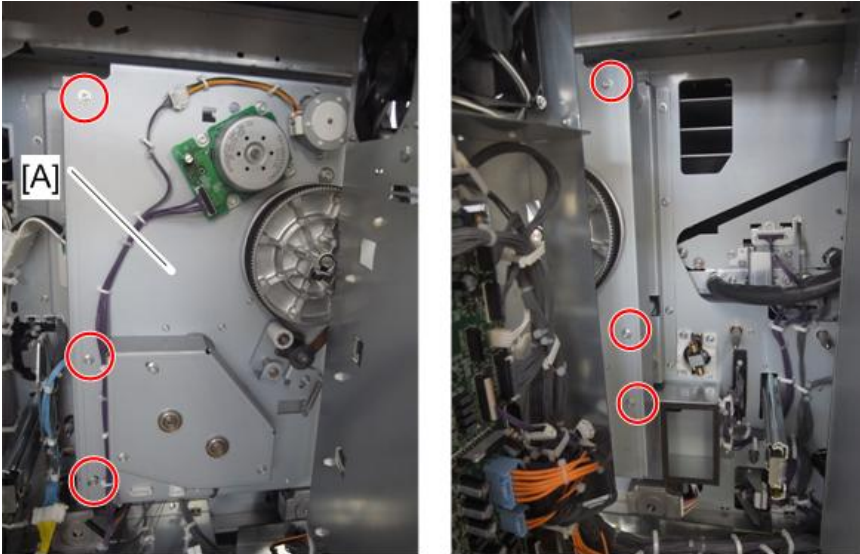


3. Disconnect the connector of the fusing drive unit [A]. (🔌 ×4)



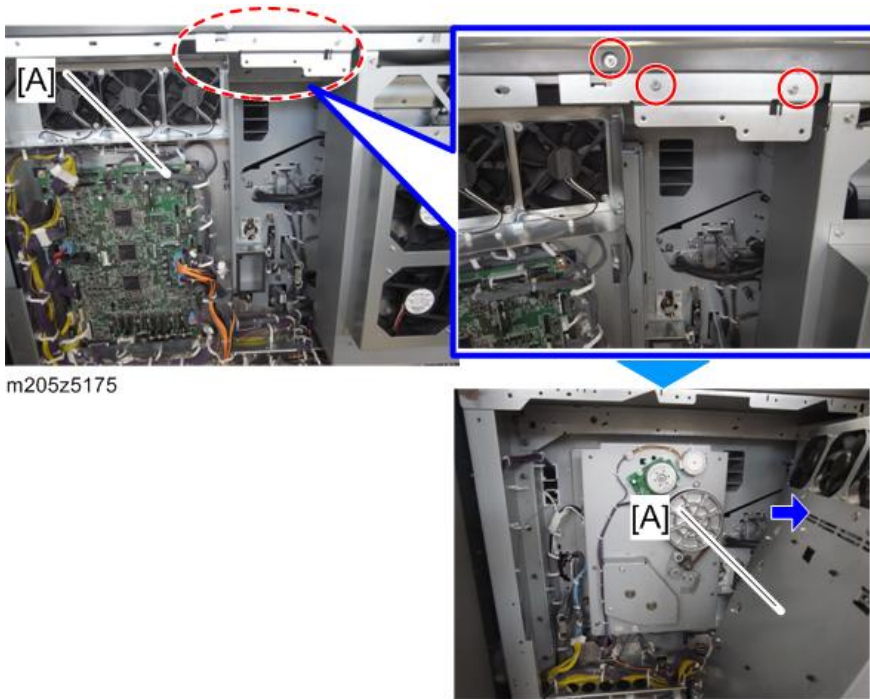
m205z5173

4. Remove the fixing screws of the fusing drive unit [A]. (🔩 ×6)



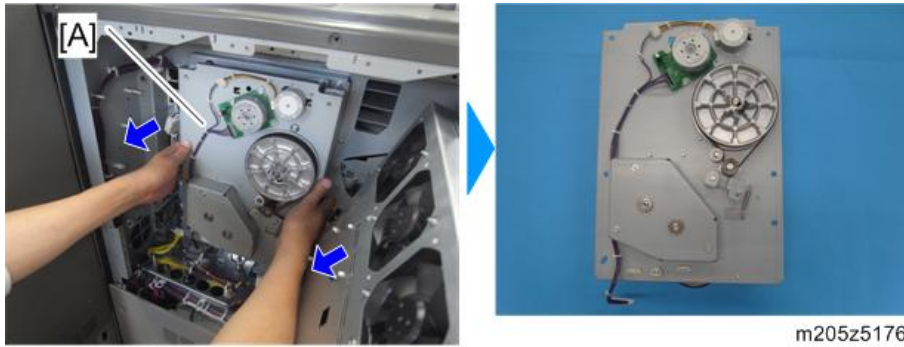
m205z5174

5. Remove the upper hinge side of the IOB2 bracket [A] and bend it to the right. (🔩×3)



4

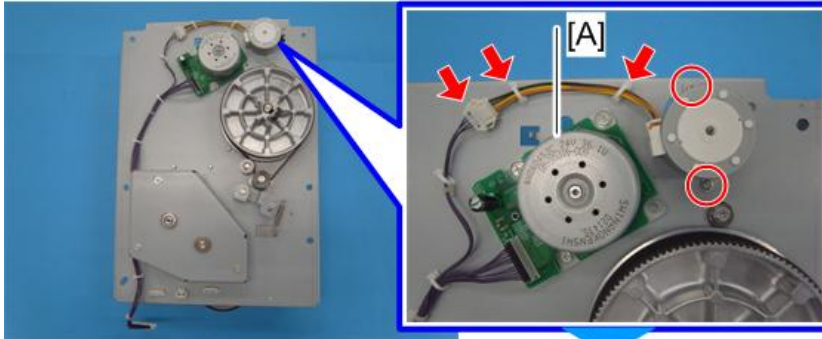
6. Fusing drive unit [A]



Fusing Refresh Roller Contact Motor

1. Fusing drive unit (page 1338)

2. Fusing refresh roller contact motor [A] (🔩 ×2, 🛠️ ×2, 📦 ×1)



m205z5177

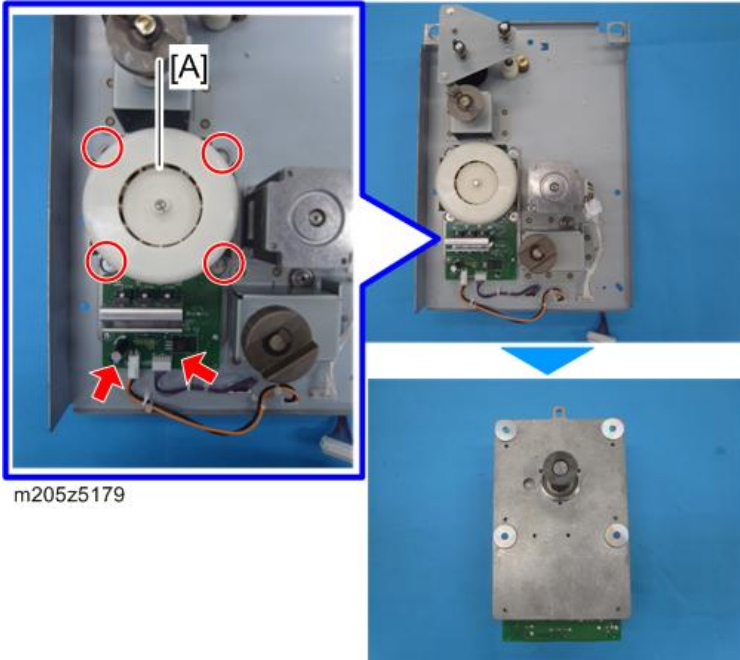


4

Fusing Motor

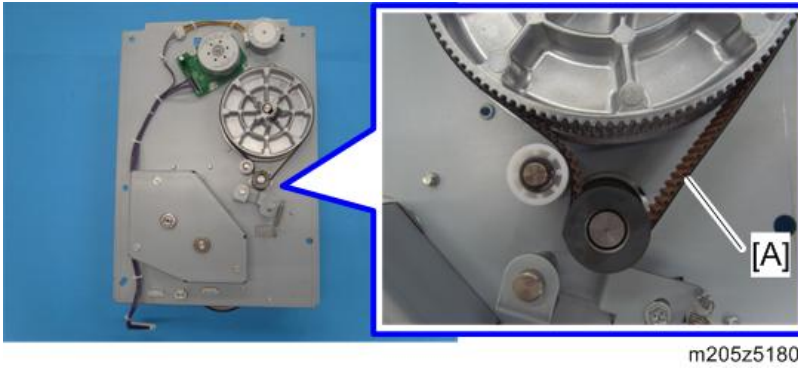
1. Fusing drive unit (page 1338)

2. Fusing motor [A] (🔩 x4, 📦 x2)



↓ Note

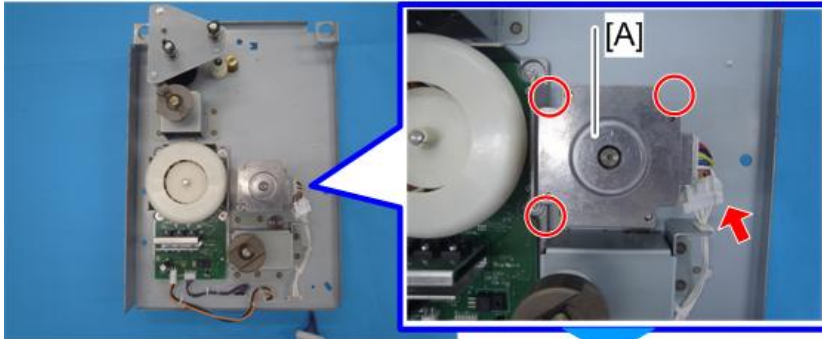
- When installing the motor, confirm that the timing belt [A] is set to the gear correctly.



Press Roller Lift Motor

1. Fusing drive unit (page 1338)

2. Press roller lift motor [A] (⚙️ ×3, 📦 ×1)



m205z5178

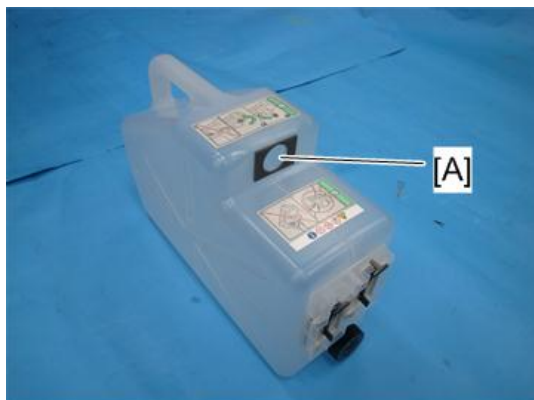


Waste Toner Collection

Waste Toner Bottle

CAUTION

- To prevent the waste toner from spilling from the waste toner entrance [A], do not incline the bottle to the rear direction when replacing the waste toner bottle.



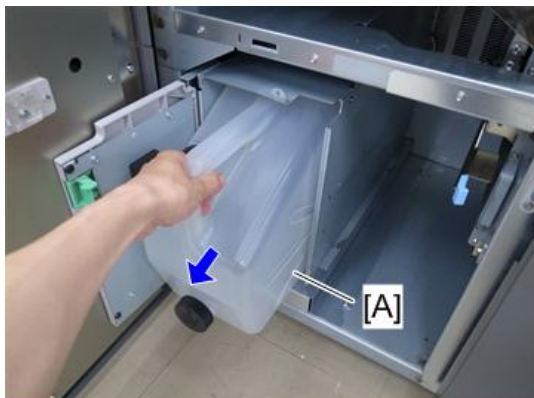
m205a1316

1. Open the left front door (imaging section) [A], and then open the waste toner bottle door [B].



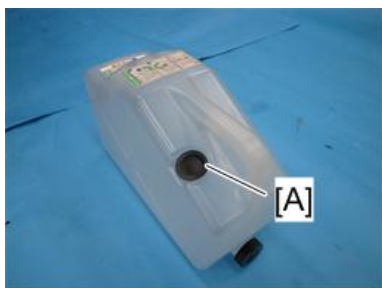
m205a1317

2. Pull out the waste toner bottle [A] while keeping it in a horizontal position.



m205a1318

3. Attach the provided cap [A] to the waste toner entrance [B].



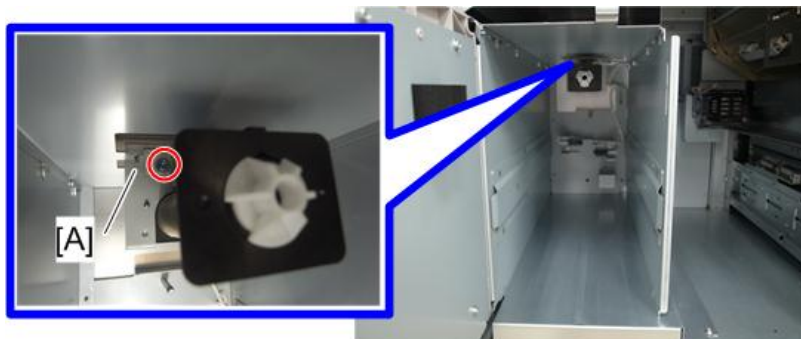
m205a1319

4. Install a new waste toner bottle, and then close the waste toner bottle door and left front door (imaging section).

Waste Toner Bottle Set Sensor

1. Pull out the waste toner bottle. (page 1344 "Waste Toner Bottle")

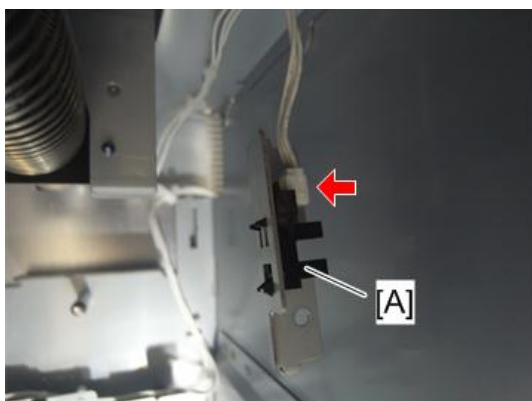
2. Remove the screw on the sensor bracket [A]. (🔩 ×1)



m205a1320

4

3. Waste toner bottle set sensor [A] (🔧 ×1)

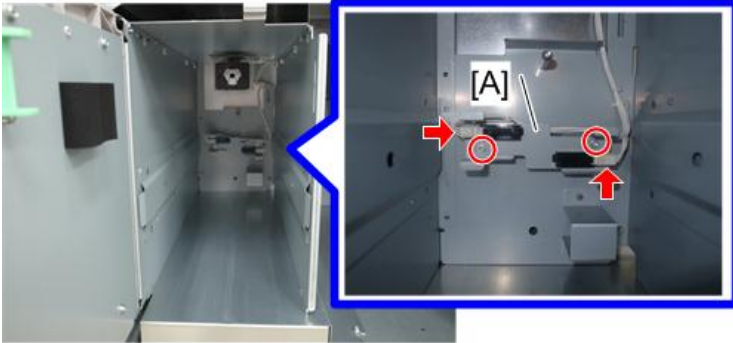


m205a1321

Waste Toner Bottle Full Sensor/Waste Toner Bottle Near-Full Sensor

1. Pull out the waste toner bottle. (page 1344 "Waste Toner Bottle")

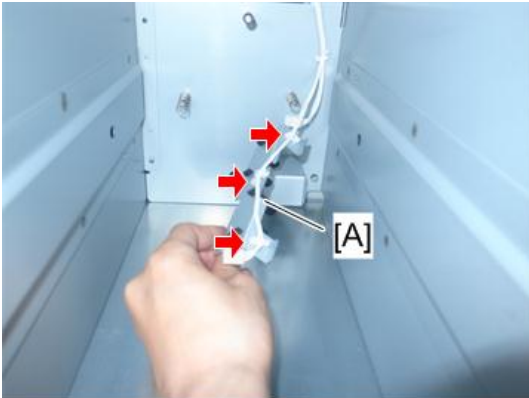
2. Remove the screws and disconnect the connectors on the sensor bracket [A]. (🔩×2, 📡×2)



m205a1322

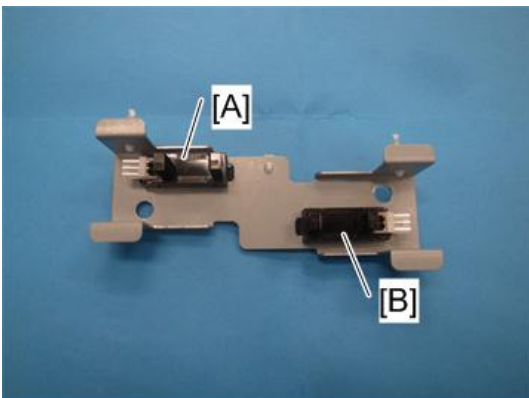
4

3. Open the clamps on the rear side of the sensor bracket [A] to remove it. (🔧×3)



m205a1323

4. Remove the sensor.



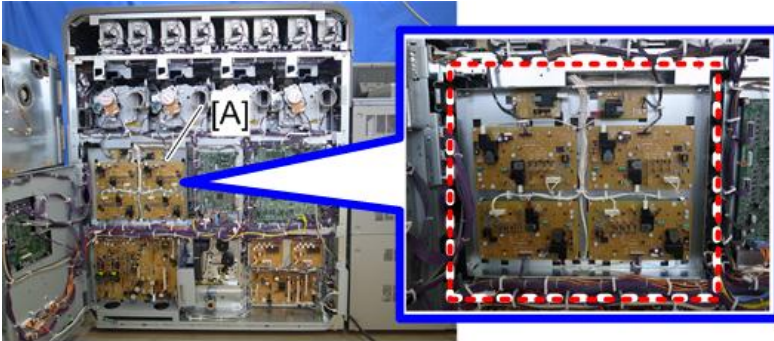
m205a1324

[A]: Waste toner bottle full sensor

[B]: Waste toner bottle near-full sensor

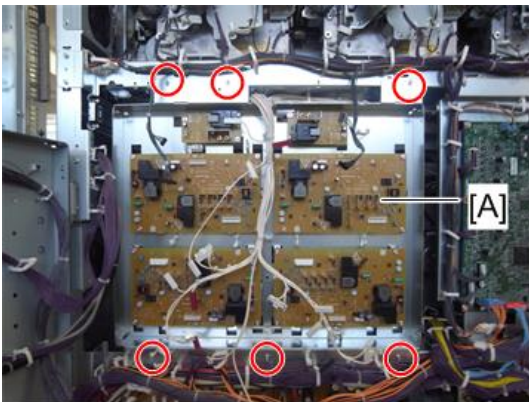
Waste Toner Transport Motor (Upper)

1. Open the rear box. (page 691)
2. Disconnect connectors and open clamps on the board bracket [A]. (🔌xALL, 🗑️xALL)



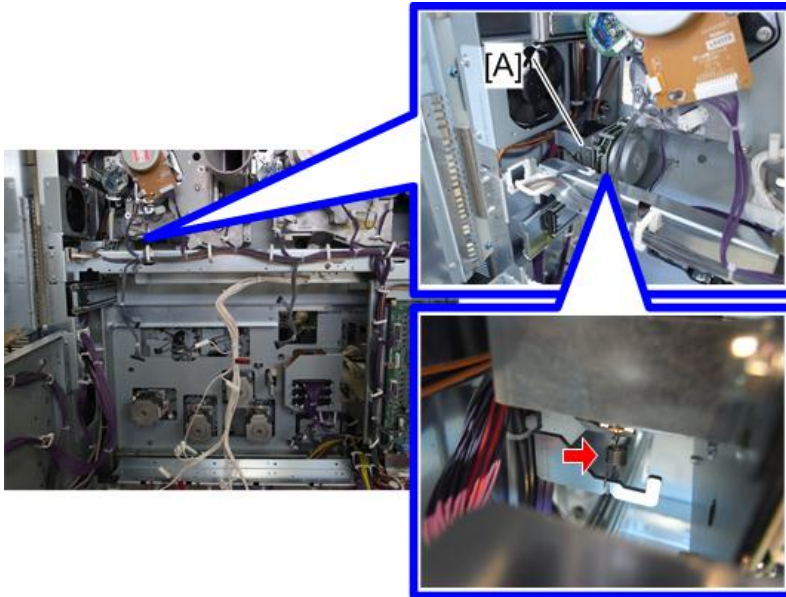
m205a1134

3. Board bracket [A] (🔩x6)



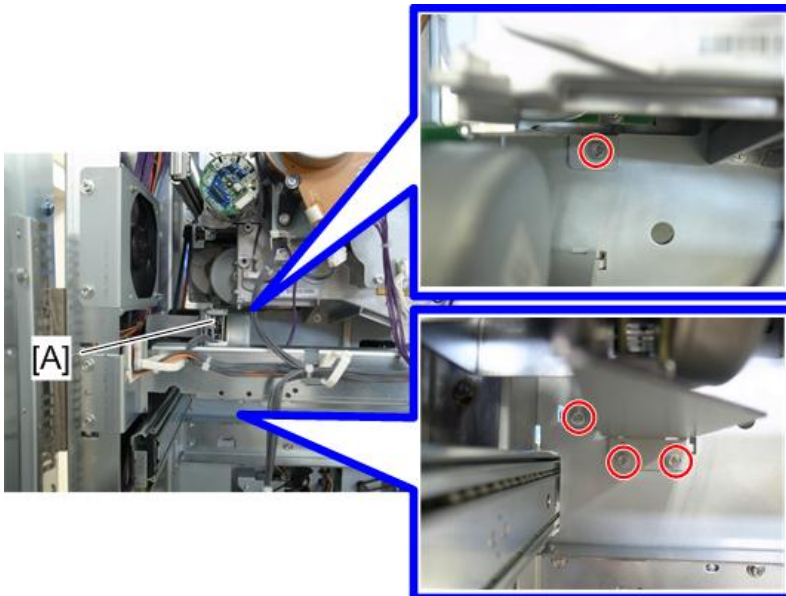
m205a1135

4. Remove the spring from the motor bracket [A]. (🌀×1)



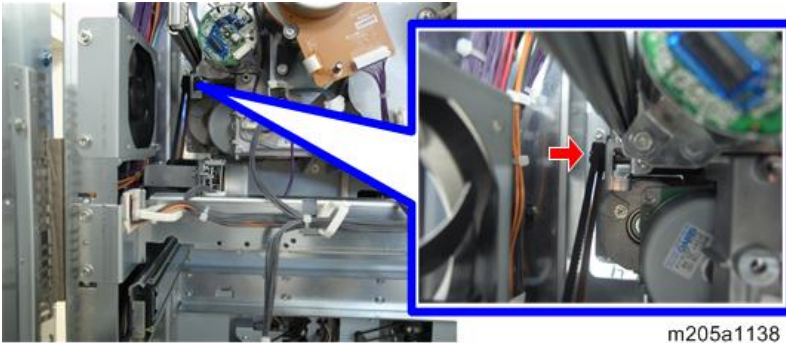
m205a1136

5. Remove the screws on the motor bracket [A]. (🌀×4)



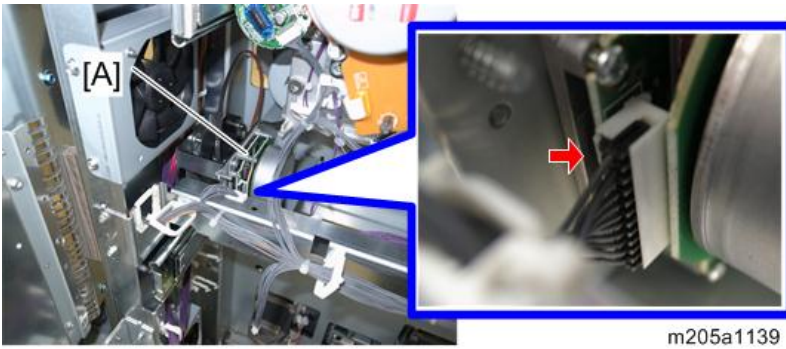
m205a1137

6. Release the timing belt from the pulley. (⚙️×1)

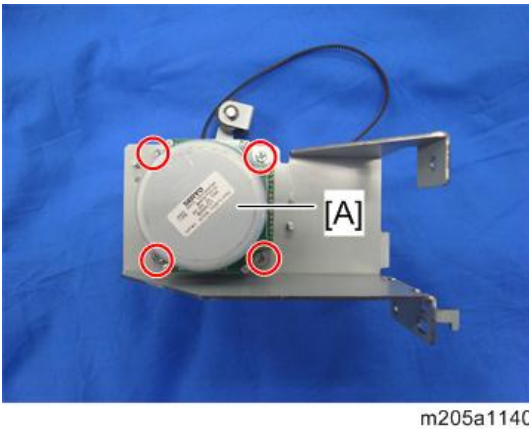


4

7. Motor bracket [A] (📦 ×1)



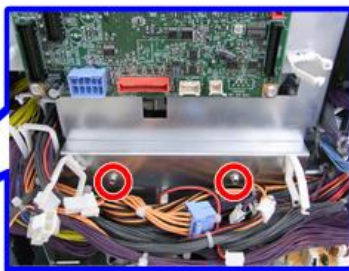
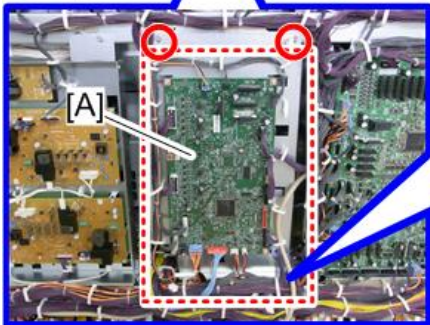
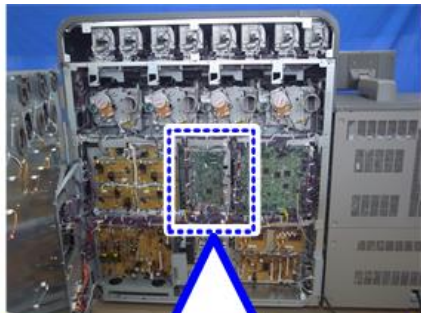
8. Waste toner transport motor (upper) [A]. (⚙️×4)



Waste Toner Transport Motor (Lower)

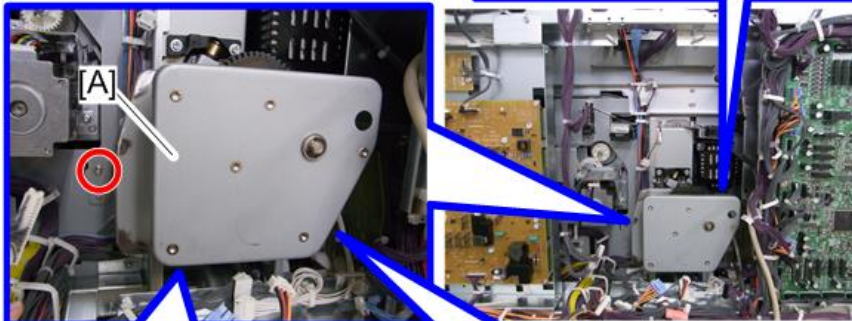
1. Open the rear box. (page 691)

2. TDCU bracket [A] (🔩×4, 📦×ALL, 🛠️×ALL)



m205a2469

3. PTR pressure motor bracket [A] (🔩×4)

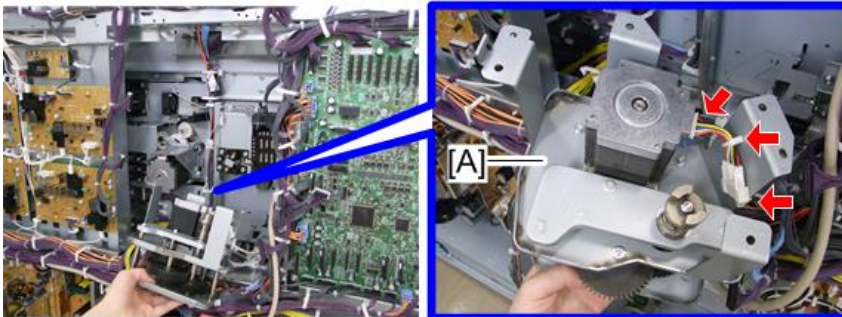


m205a2470



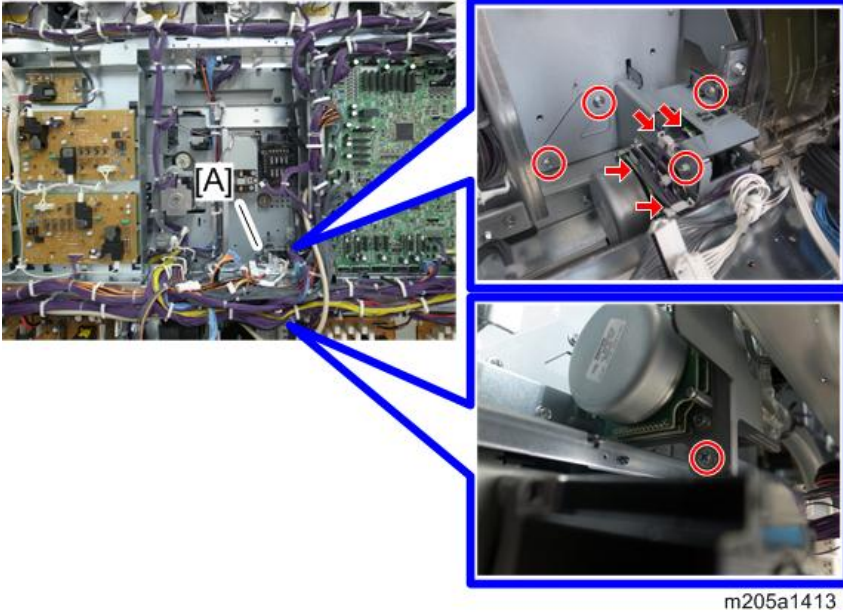
↓ Note

- When removing motor bracket [A], disconnect a connector and open two clamps that are on the inside. (🔧×1, 🗑️×2)

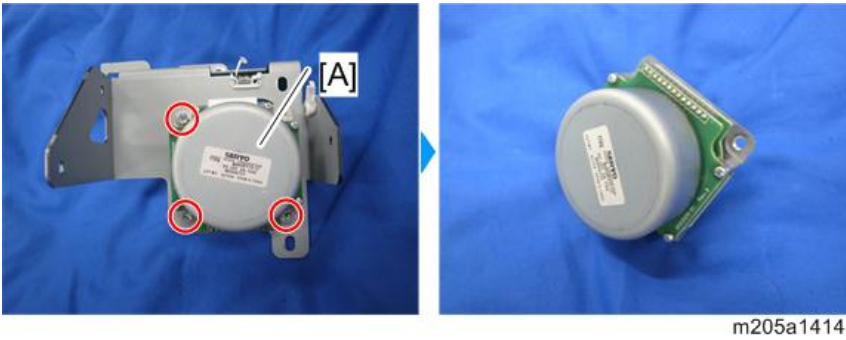


m205a2471

4. Waste toner transport motor (lower) bracket [A] (⚙️×5, 📦×2, 🛠️×2)



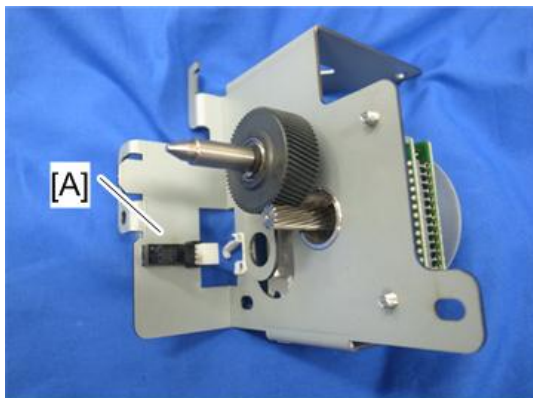
5. Waste toner transport motor (lower) [A] (⚙️×3)



Waste Toner Transport Motor Lock Sensor

1. Remove the waste toner transport motor (lower) bracket. (page 1350 "Waste Toner Transport Motor (Lower)")

2. Waste toner transport motor lock sensor [A]



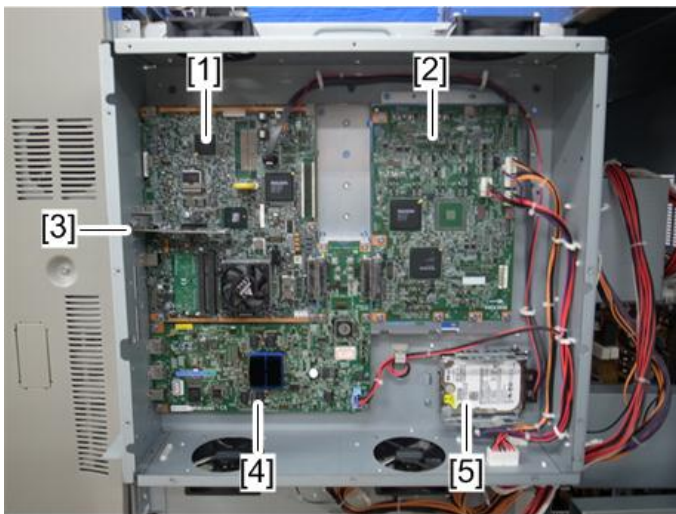
m205a1415

Main Boards/HDD Unit

Layout

Controller Box

To replace the electrical components in the controller box, open the rear box, and then remove the controller box cover. (page 691, page 1358)



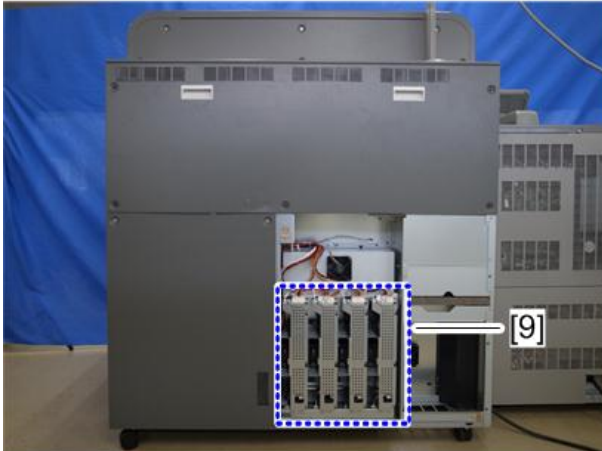
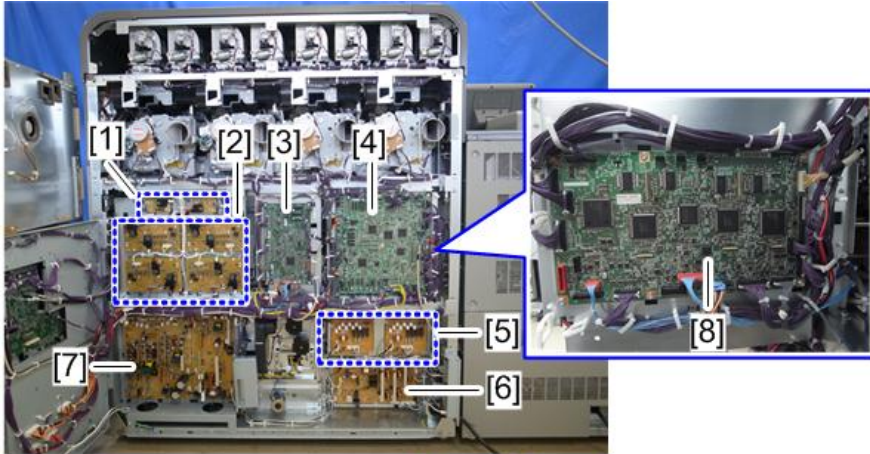
m205a1060

4

No.	Part Name	Replacement procedure	Remarks
1	Controller Board	page 1359	
2	IPU	page 1363	
3	Giga-Ethernet Board	-	
4	Data Transfer Unit (DTU)	page 1364	
5	HDD unit	page 1366	

Imaging Section

To replace the electrical components on the back of the imaging section, first open the rear box or remove the rear box right lower cover. (page 691, page 695)



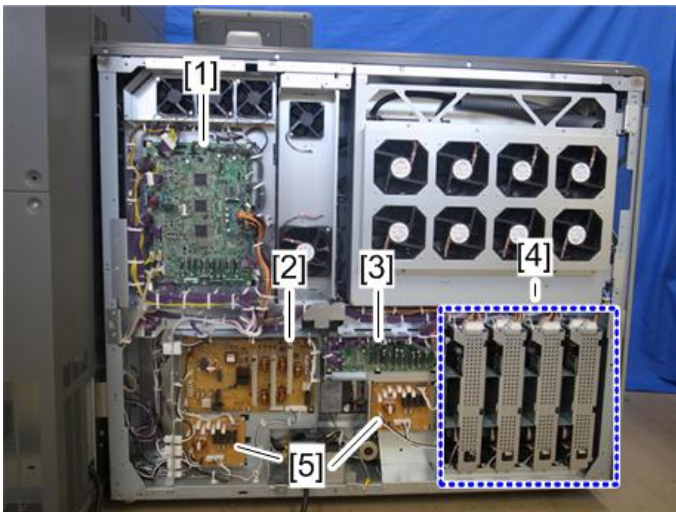
m205a1059

No.	Part Name	Replacement procedure	Remarks
1	Drum Cleaning HVP (K/CMY)	page 1368	K: left side, CMY: right side
2	Charge/Development HVP (K/C/M/Y)	page 1368	K: upper left, C: upper right, M: lower left, Y: lower right
3	TDCU	page 1369	
4	IOB 1	page 1371	
5	NRYF 1-2	page 1374	NRYF 1: right side, NRYF 2: left side
6	AC Drive Board 1	page 1375	
7	PSU 3	page 1379	

No.	Part Name	Replacement procedure	Remarks
8	BCU	page 1385	Located behind the IOB 1
9	PSU 1, 2, 4, 5	page 1376	PSU 1, PSU 2, PSU 3, PSU 4 from the left

Fusing Section

To replace the electrical components on the back of the fusing section, first remove the rear upper left cover, duct cover, or rear lower cover of the fusing section. (page 699, page 700, page 701)

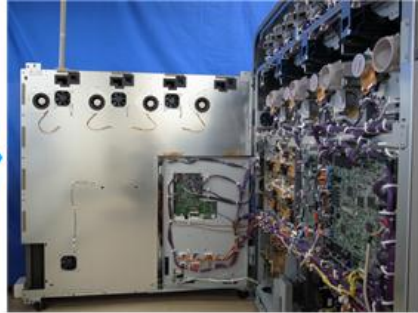


m205a1061

No.	Part Name	Replacement procedure	Remarks
1	IOB 2	page 1372	
2	AC Drive Board 2	page 1376	
3	SDB	page 1389	
4	PSU 6-9	page 1383	PSU 6, PSU 7, PSU 8, PSU 9 from the left
5	NRYF 3-4	page 1375	NRYF 3: left side, NRYF 4: right side

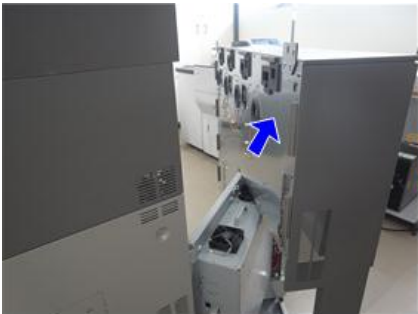
Controller Box Cover

1. Open the rear box. (page 691)



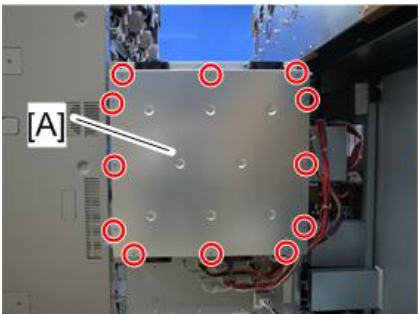
m205a1058

2. Make the rear box parallel to the machine to access the controller box.



m205a1437

3. Controller box cover [A] (Ⓜ×12)



m205a1438

Controller Board

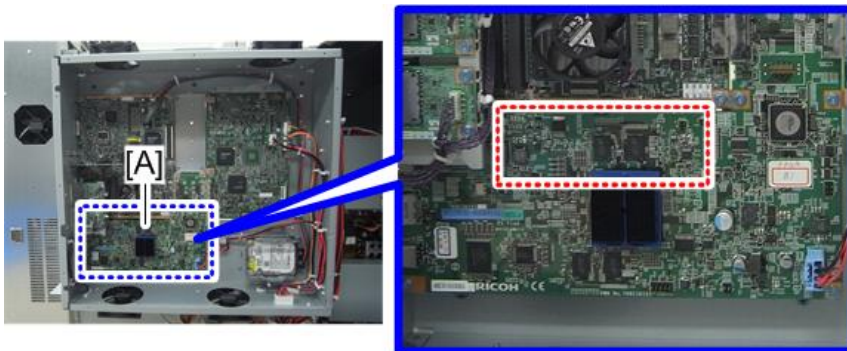
1. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



m205a0328

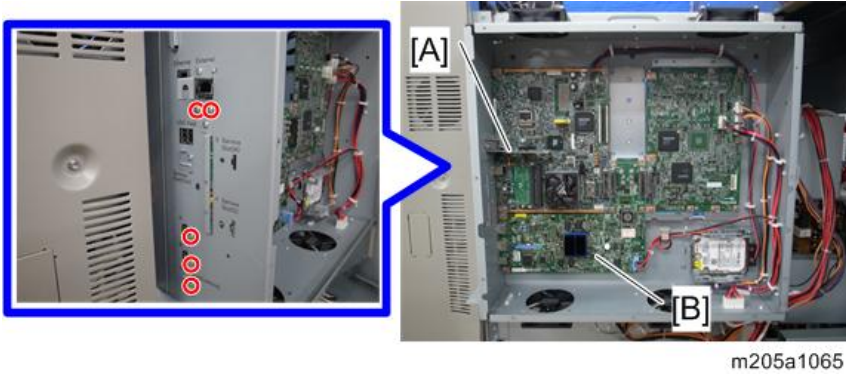
2. Controller box cover (page 1358)
3. Confirm that LEDs of the data transfer unit [A] inside the red dotted line shown below are turned off.

When you turn off the AC power switch and disconnect the power cord from the wall outlet, on the controller board residual charge remains for a while. Therefore, proceed to the next step after confirming that the LEDs are turned off.



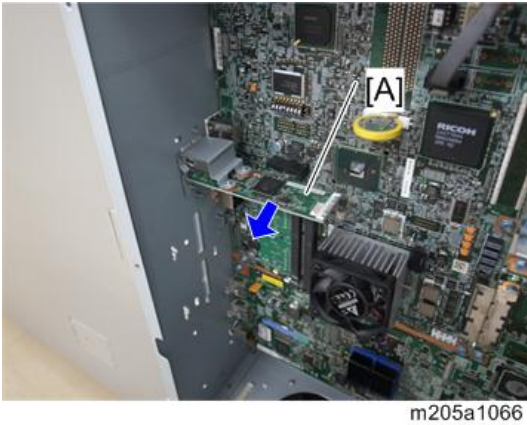
m205a0134

- 4. Remove the screws that fix the Giga-Ethernet board [A] and data transfer unit [B] on the left side of the controller box. (🔩×5)

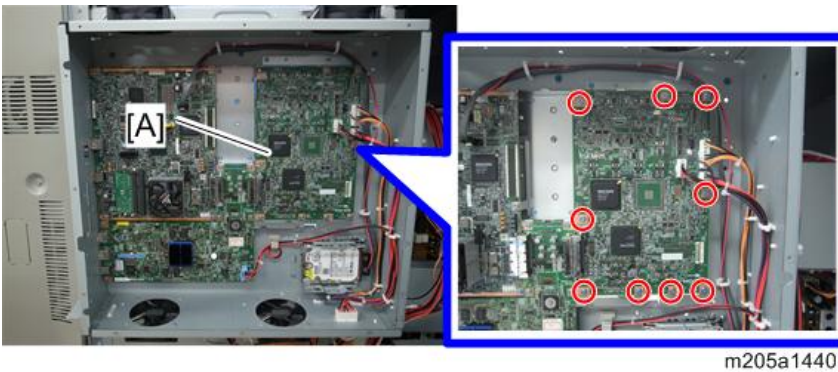


4

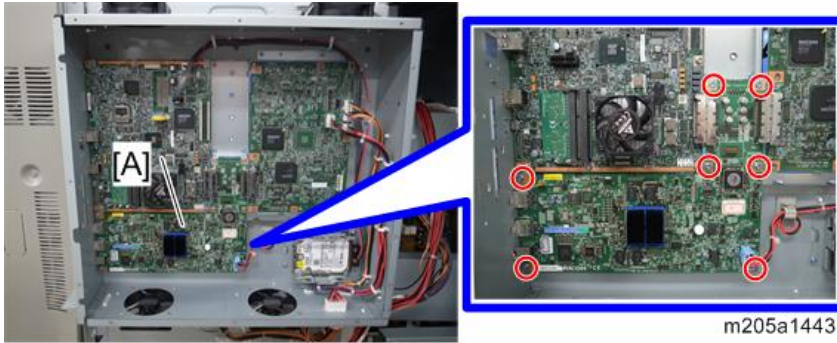
- 5. Pull out the Giga-Ethernet board [A] to remove it.



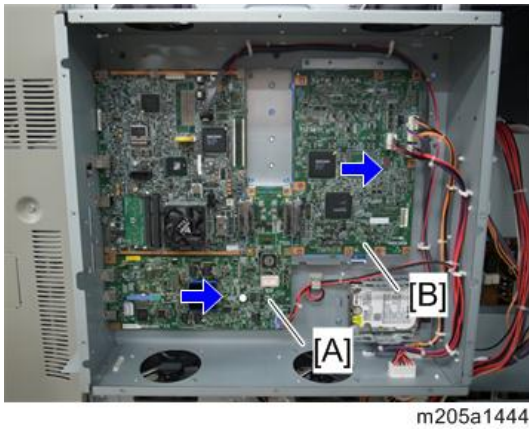
- 6. Remove the screws on the IPU [A]. (🔩×9)



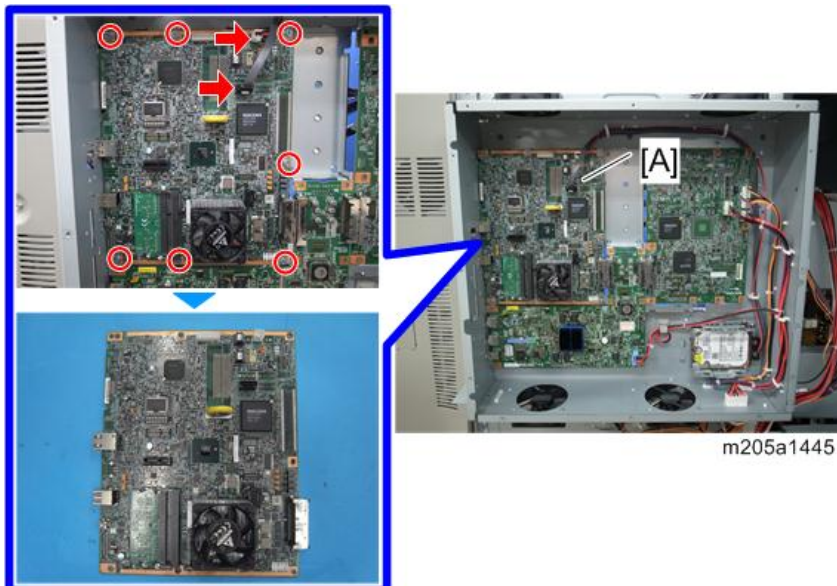
7. Remove the screws on the data transfer unit [A]. (⚙️ ×7)



8. Slide the data transfer unit [A] and IPU [B] rightward.



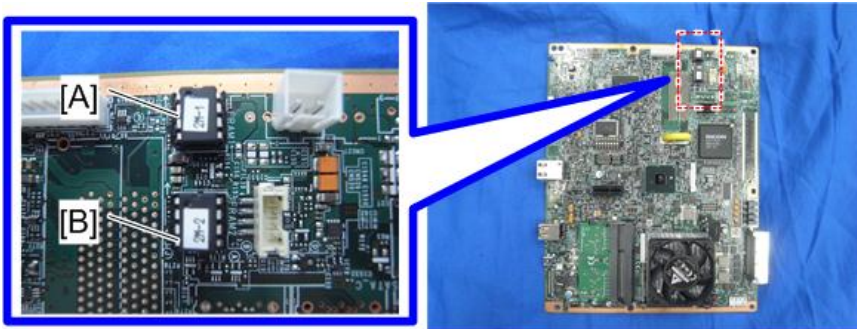
9. Controller board [A] (⚙️ ×7, 📦 ×2)



When installing the New Controller Board

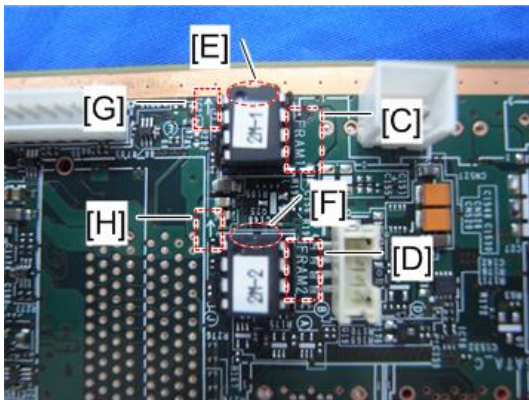
There are two NVRAMs ([A] and [B]) on the controller board. The two NVRAMs are one set. NVRAM [A] is labeled "2M-1", and NVRAM [B] is labeled "2M-2".

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.



m205a1071

- 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.
- Note that if you install incorrectly, both the controller board and NVRAMs will be damaged.



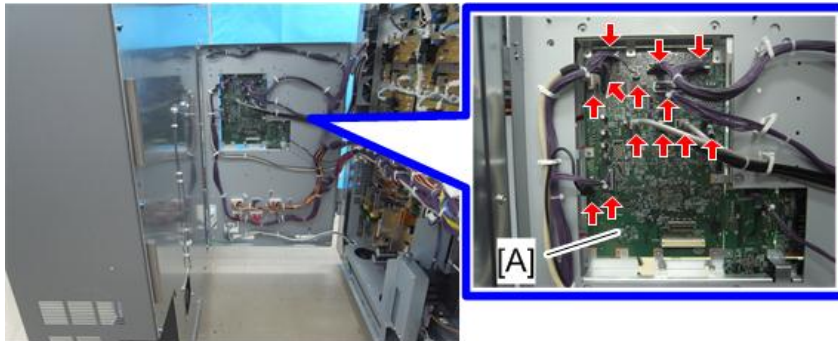
m205a1072

- 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 (SP Print Mode: SDK/J Summary, SDK/J Application Info)). Then open the tandem tray [A] and remove the paper cassette

decal [B]. Store the SMC sheet [C] and the SD card(s) [D] that was used to install the ESA application(s).

IPU

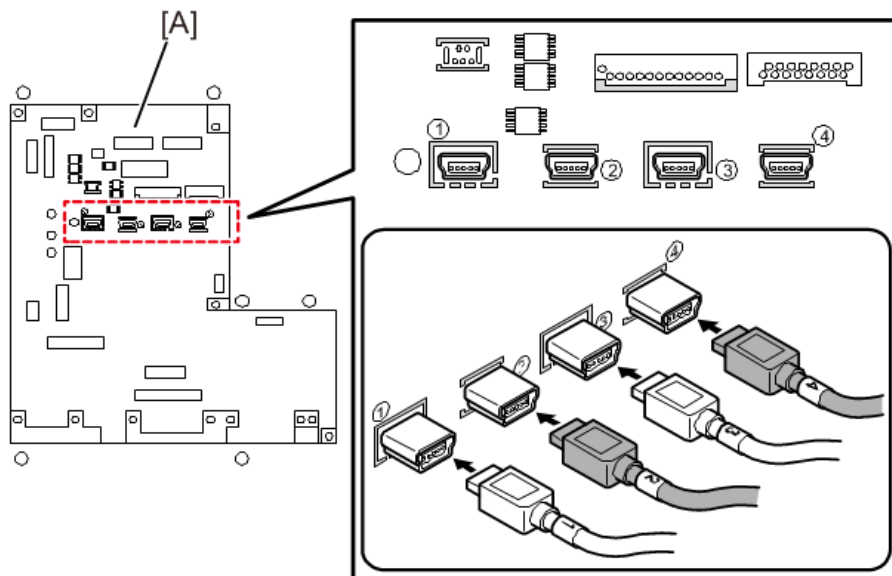
1. Controller box cover (page 1358)
2. Disconnect the connectors and USB cables on the rear side of the IPU [A]. (📁 ×8, USB cable ×5)



m205a1074

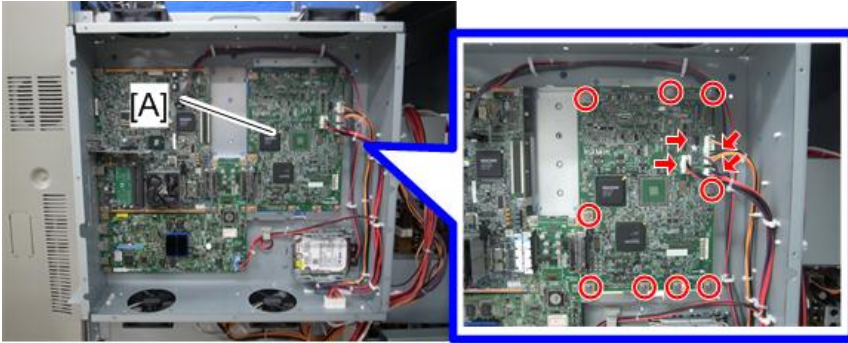
Note

- When connecting the USB cables back to IPU [A], match the numbers marked on IPU and USB cables.



m205a1463

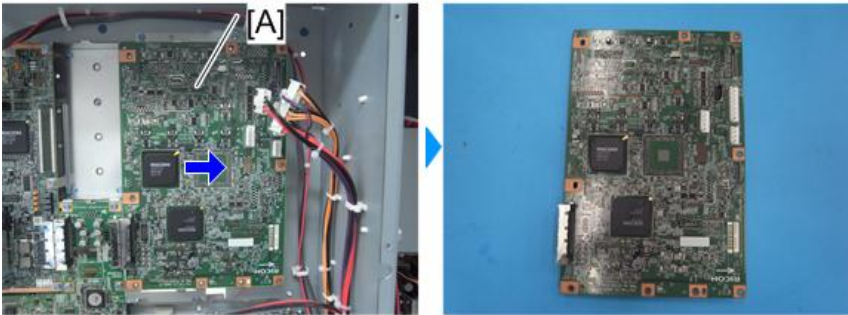
3. Remove the screws and disconnect the connectors on the front side of the IPU [A]. (🔩 ×9, 📡 ×4)



m205a1075

4

4. Remove the IPU [A] by sliding it rightward.



m205a1076

Data Transfer Unit

1. Remove the controller cover [A] from rear side of the main machine. (🔩 ×2)



m205a0328

2. Controller box cover (page 1358)

3. Disconnect the connector on the rear side of the data transfer unit [A]. (🔧 ×1)



m205a1077

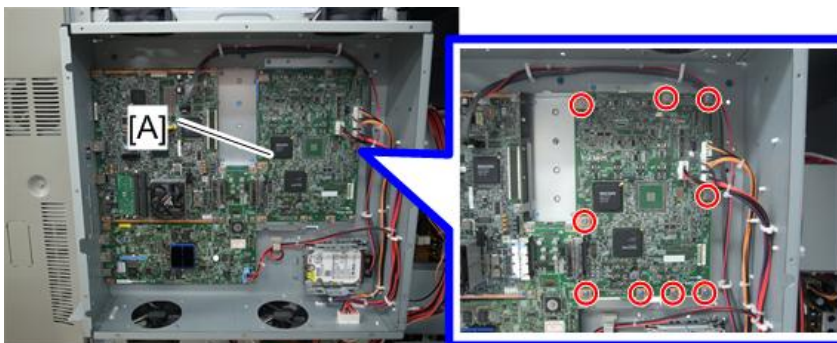
4. Remove the screws that fix the data transfer unit [A] on the left side of the controller box. (🔧 ×3)

4



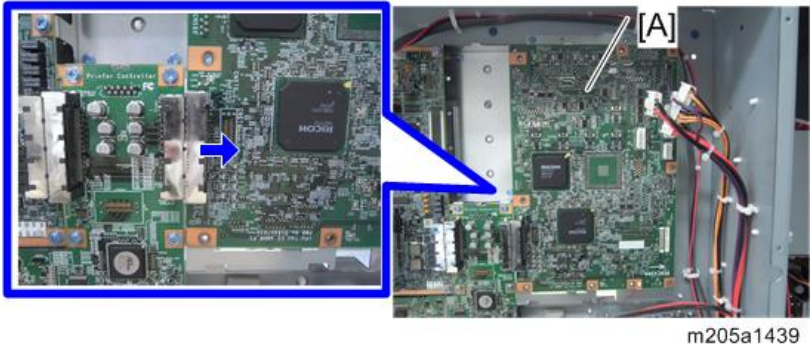
m205a1078

5. Remove the screws on the IPU [A]. (🔧 ×9)



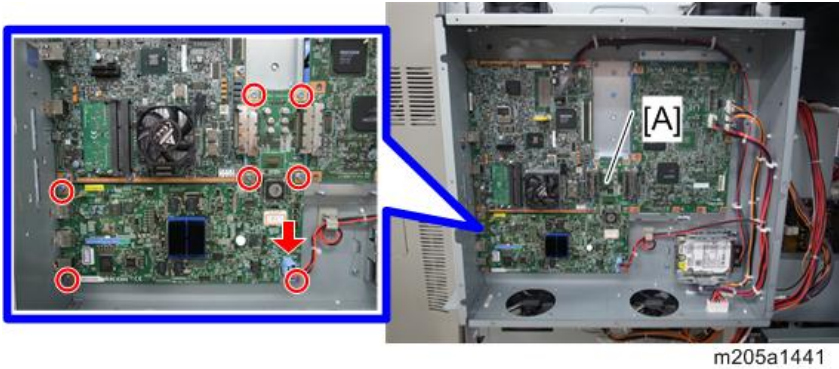
m205a1440

6. Slide the IPU [A] rightward.

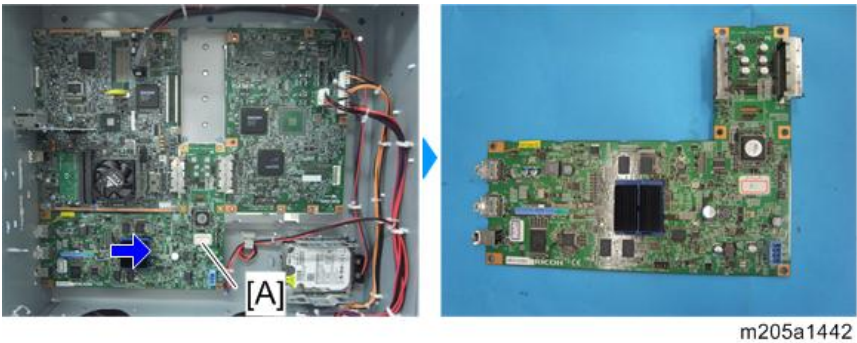


4

7. Remove the screws and disconnect the connectors on the data transfer unit [A]. (⊙⁺×7, ⊠×1)



8. Slide the data transfer unit [A] rightward to remove it.



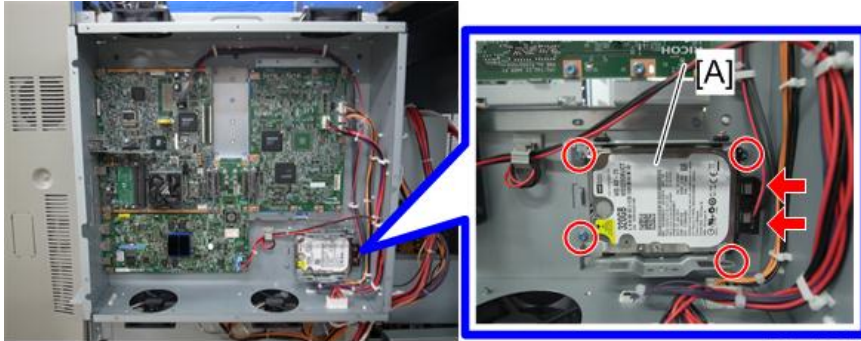
HDD Unit

↓ Note

- Never remove an HDD unit from the work site without the consent of the client.

- Before replacing the HDD unit, copy the address book data to an SD card from the HDD with SP5846-051 if possible.

1. Controller box cover (page 1358)
2. HDD unit bracket [A] (🔧 x4, 📦 x2)



m205a1083

3. HDD [A] (🔧 x4)



m205a1085

After Installing the New HDD Unit

1. Do SP5-832-001 to format the hard disk.
2. 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.

3. Turn the main power switch off/on.

Note

- When the machine is turned on first time after the HDD unit is replaced, HDD error might occur due to the effect of HDD formatting. If it happens, turn the power off/on. This is not a malfunction of the HDD unit.

Disposal of HDD Unit

- 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.

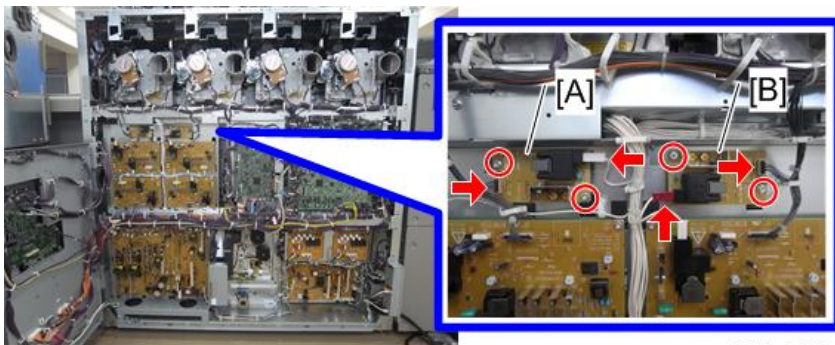
4

Reinstallation

- If the customer is using the Data Overwrite Security or the HDD Encryption function, these functions must be setup again.
- If the HDD Encryption function is used, you must specify the encryption key to be same as before the HDD replacement. Specify the encryption key, and then turn the main power switch off and on.

Drum Cleaning HVP (K/CMY)

1. Open the rear box. (page 691)
2. Remove the drum cleaning HVP. (⊙ x2, ⊞ x2)

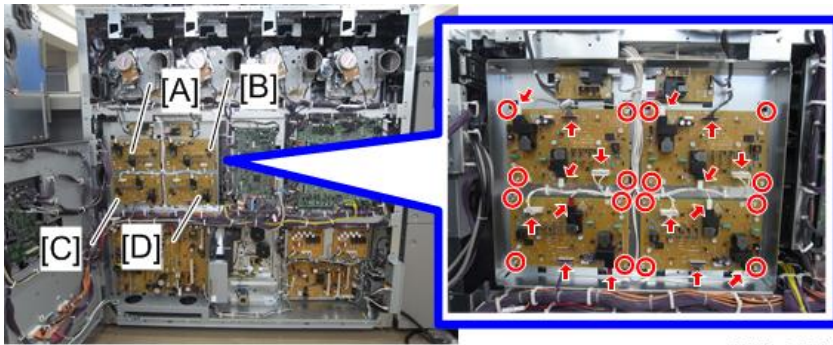


- [A]: Drum Cleaning HVP (K)
- [B]: Drum Cleaning HVP (CMY)

Charge/Development HVP (K/C/M/Y)

1. Open the rear box. (page 691)

2. Remove the charge/development HVP. (🔧×4, 📦×4)



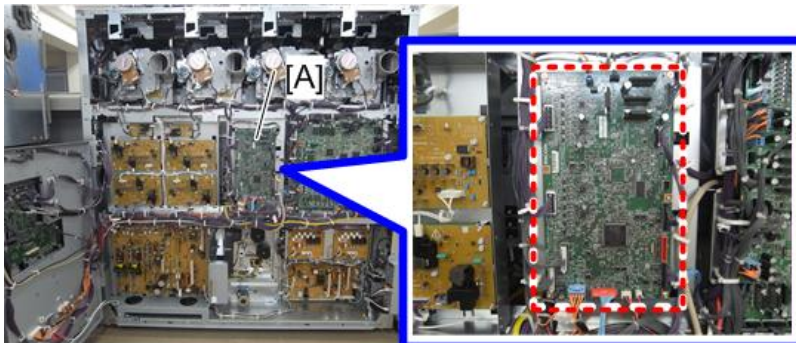
m205a1104

- [A]: Charge/Development HVP (K)
- [B]: Charge/Development HVP (C)
- [C]: Charge/Development HVP (M)
- [D]: Charge/Development HVP (Y)

4

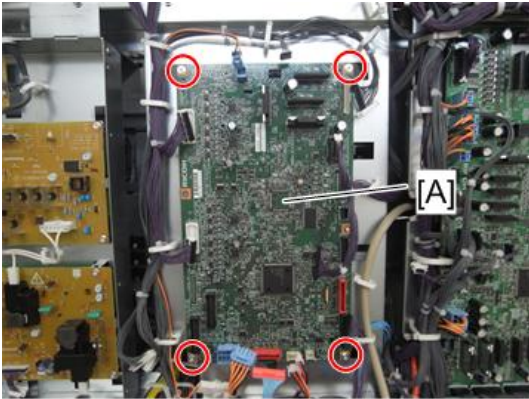
TDCU

1. Open the rear box. (page 691)
2. Disconnect the connectors on the TDCU [A]. (🔧×ALL)



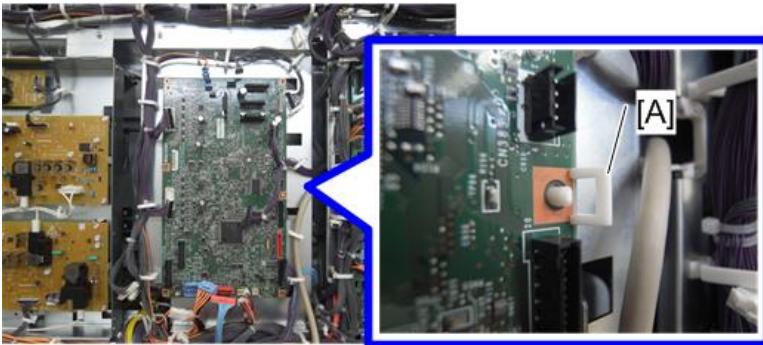
m205a1098

3. Remove the screws on the TDCU [A]. (⌀×4)



m205a1099

4. Release the hook [A], and then remove the TDCU.



m205a1100

Connection diagram



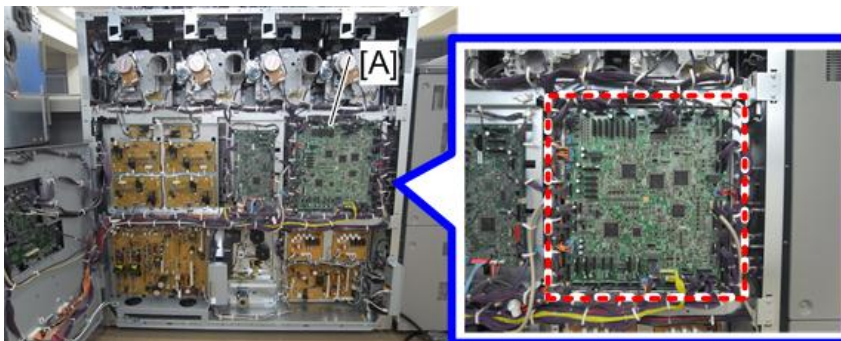
m205a1527

4

IOB

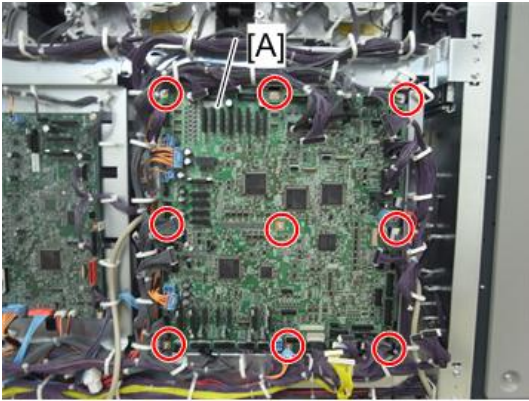
IOB 1

1. Open the rear box. (page 691)
2. Disconnect the connectors on the IOB 1 [A]. (📦 ×ALL)



m205a1094

3. IOB 1 [A] (🌀x9)



m205a1095

4

Connection diagram

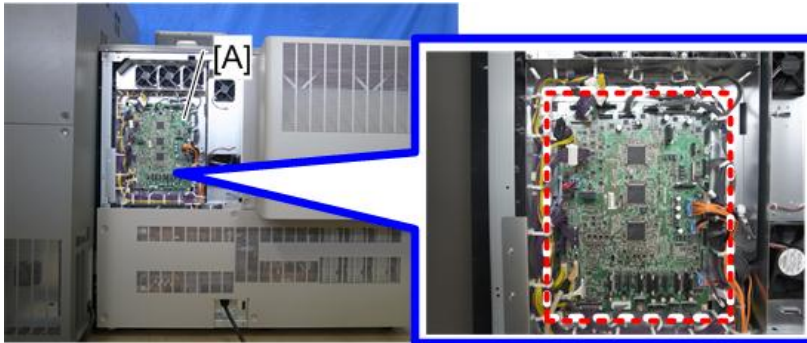


m205a1526

IOB 2

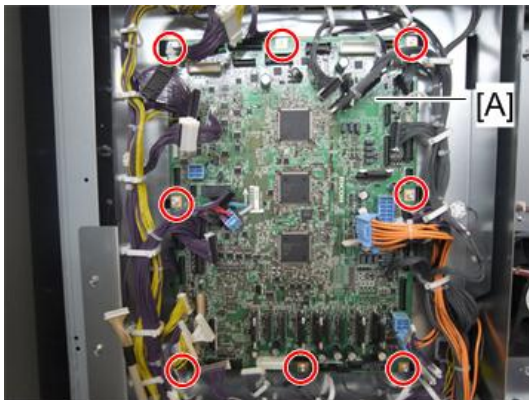
1. Rear upper left cover (fusing section) (page 699)

2. Disconnect the connectors on the IOB 2 [A]. (📦 ×ALL)



m205a1096

3. IOB 2 [A] (🔌 ×8)



m205a1097

Connection diagram



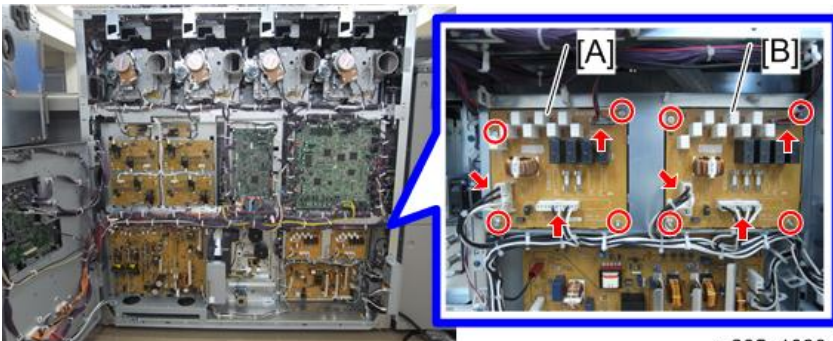
m205a1559

4

NRYF (Noise Filter Relay Fuse Board)

NRYF 1-2

1. Open the rear box. (page 691)
2. NRYF (🔧 x4, 📦 x3)



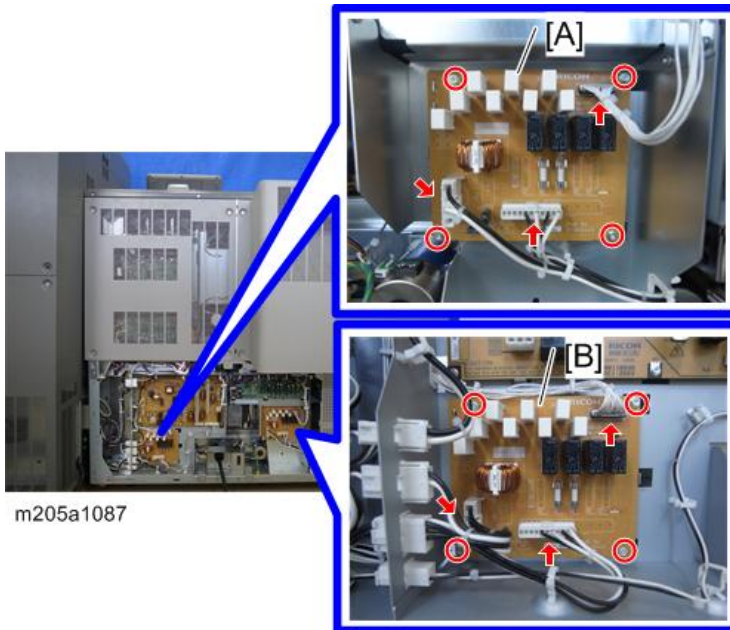
m205a1086

- [A]: NRYF 2

- [B]: NRYF 1

NRYF 3-4

1. Rear lower cover (fusing section) (page 701)
2. NRYF (🔩 x4, 📦 x3)



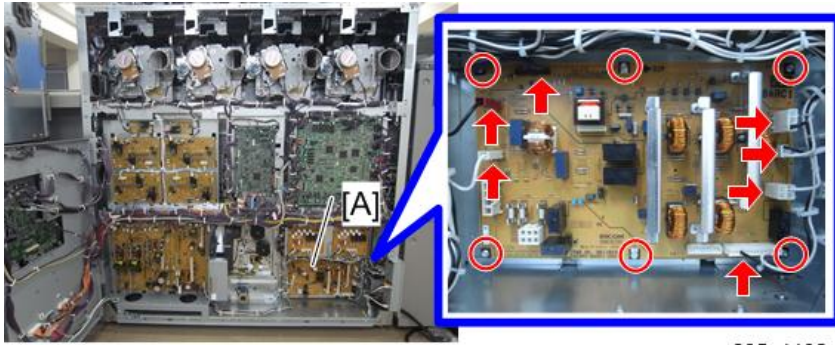
- [A]: NRYF 3
- [B]: NRYF 4

AC Drive Board

AC Drive Board 1

1. Open the rear box. (page 691)

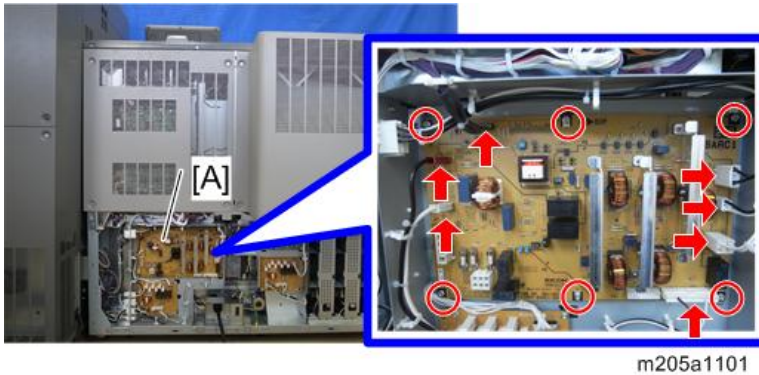
2. AC Drive Board 1 [A] (⚙️ x6, 📦 x7)



4

AC Drive Board 2

1. Rear lower cover (fusing section) (page 701)
2. AC Drive Board 2 [A] (⚙️ x6, 📦 x7)



PSU

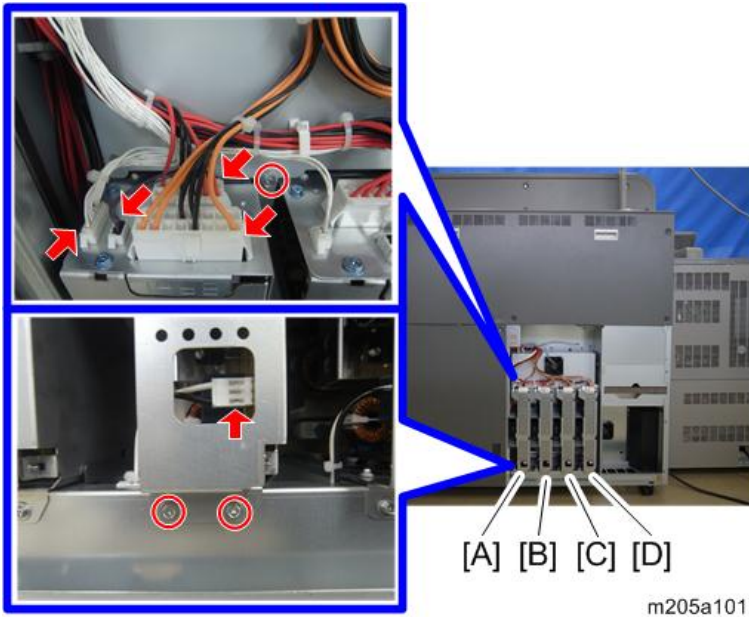
⚠️ CAUTION

- Do not touch solder and electronic parts on the PSU after removing it, because electric charge is left in the inside the PSU even if it has been removed.
- After removing the PSU, do not put it on a conductive object such as one made from metal.

PSU 1, 2, 4, 5

1. Rear box right lower cover (page 695)

2. Remove the screws and connectors on the PSU bracket. (🔩 x3, 📦 x5)

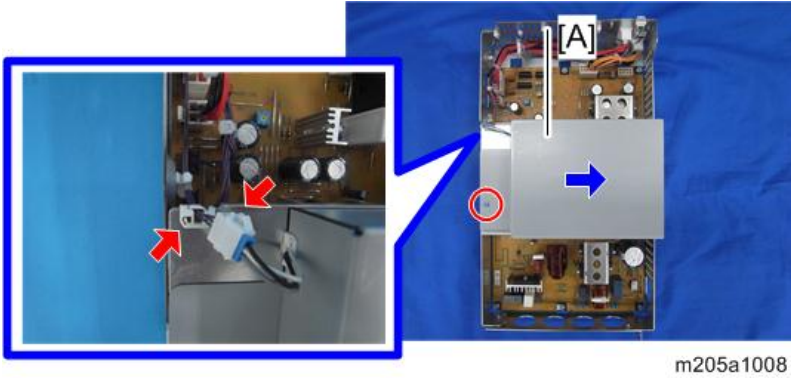


- [A]: PSU 1
- [B]: PSU 2
- [C]: PSU 4
- [D]: PSU 5

3. Pull out the PSU bracket to remove it.



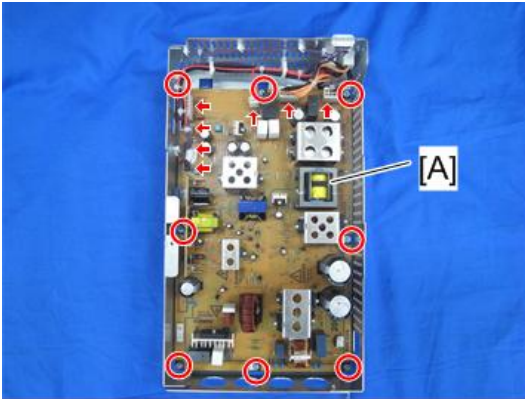
4. Fan case [A] (🔩 x1, 📦 x1, 📦 x1)
e.g.: PSU 1



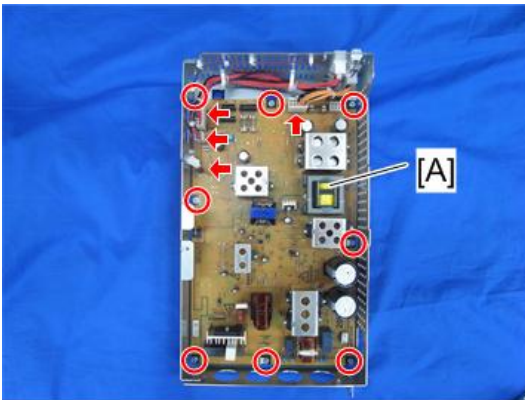
5. PSU [A]

4

- PSU1/4 (🔩 x8, 📦 x7)

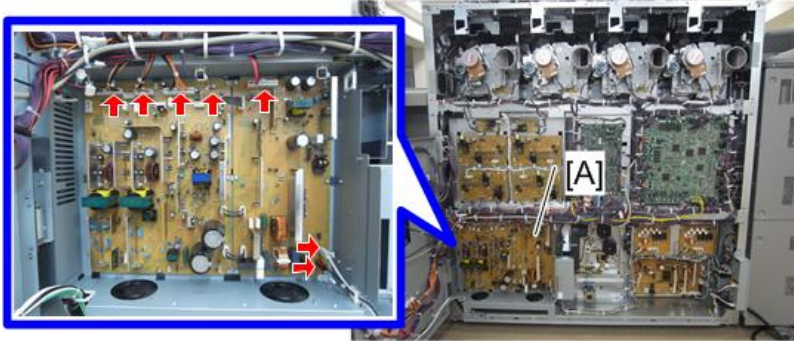


- PSU2/5 (🔩 x8, 📦 x4)



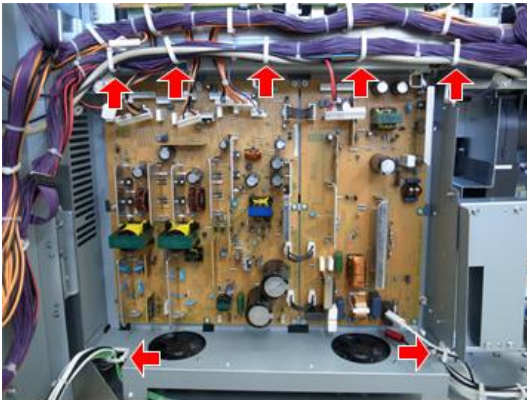
PSU 3

1. Open the rear box. (page 691)
2. Disconnect the connectors on the PSU3 [A]. (🔌 x7)



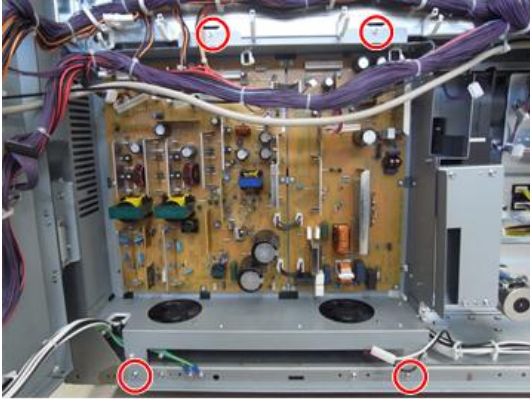
m205a1109

3. Open the clamps on the PSU 3 bracket. (🔧 x7)



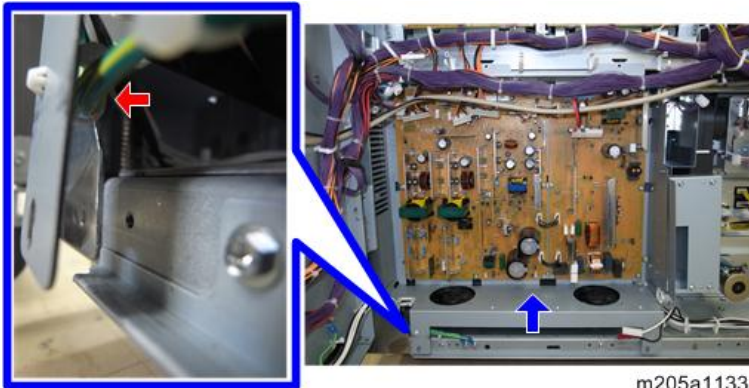
m205a1132

4. Remove the screws on the PSU 3 bracket. (🔩×4)



m205a1038

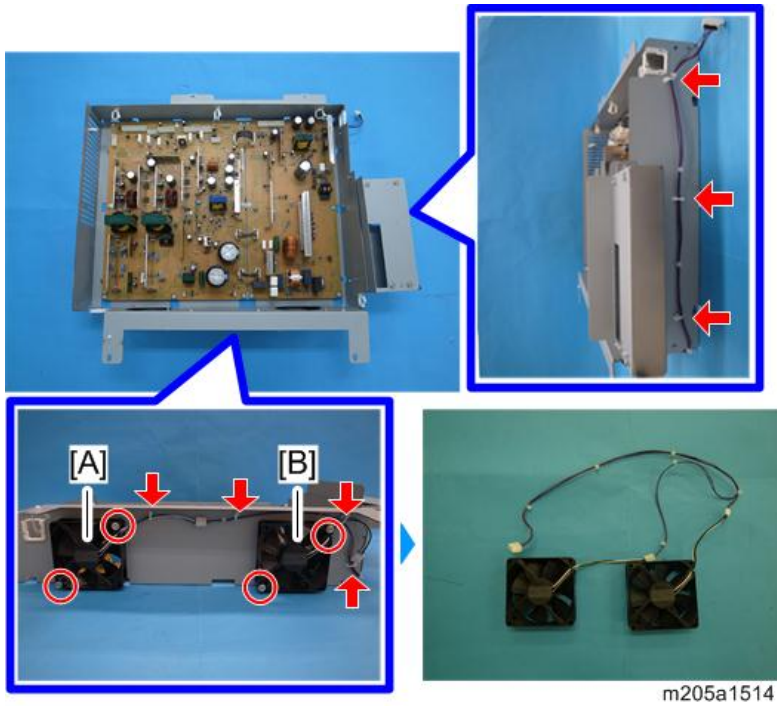
5. Lift the bottom of the PSU 3 bracket, and then open the clamp on the rear side. (🔧×1)



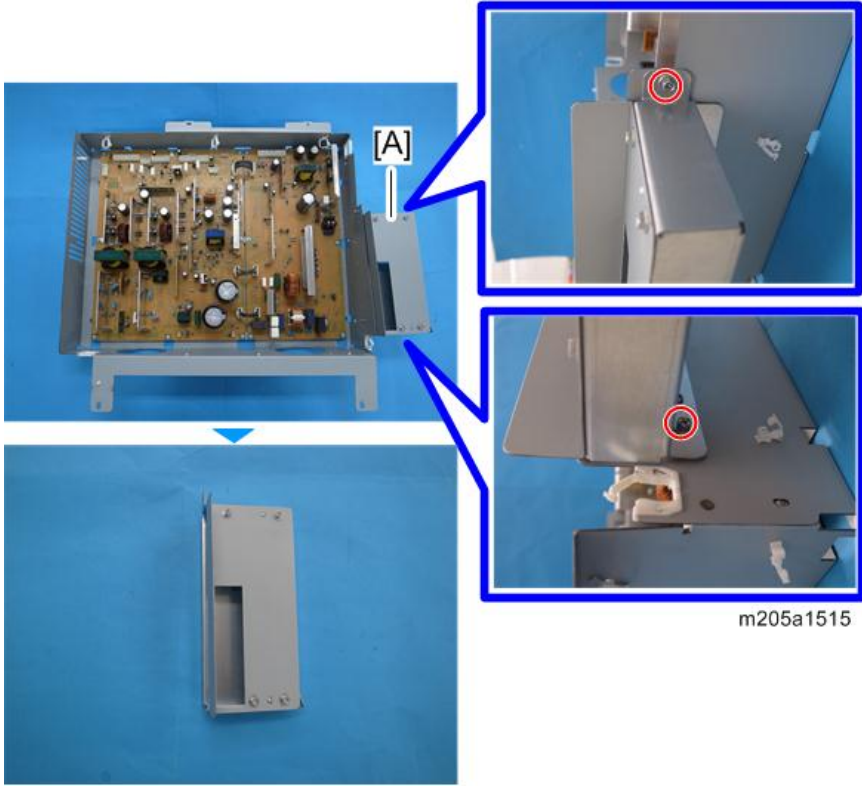
m205a1133

6. Remove the PSU 3 bracket.

7. Remove the PSU fan 3 [A] and PSU fan 4 [B] from the PSU 3 bracket. (⚙️ x4, 🛠️ x7)

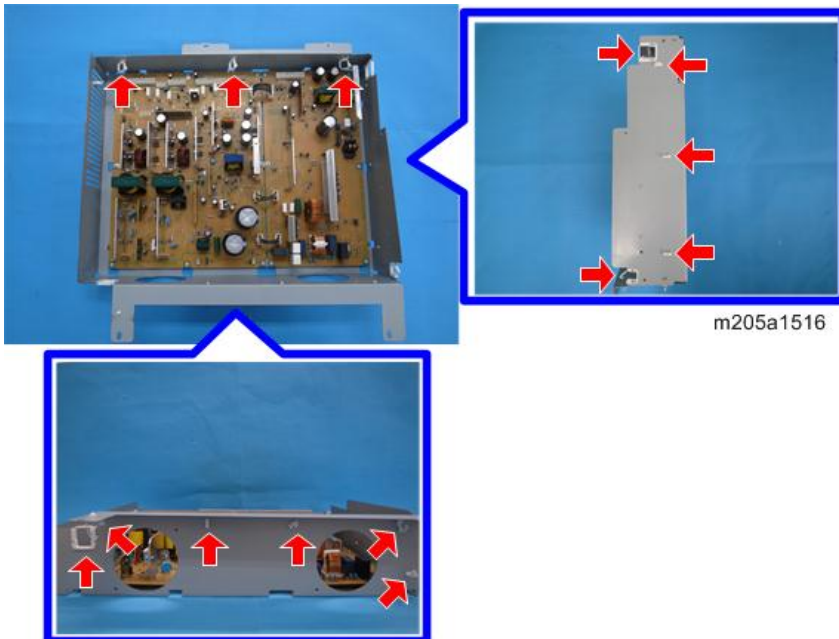


8. Bracket [A] (🔩×2)



m205a1515

9. Remove the clamps from the PSU 3 bracket. (🔩×15)



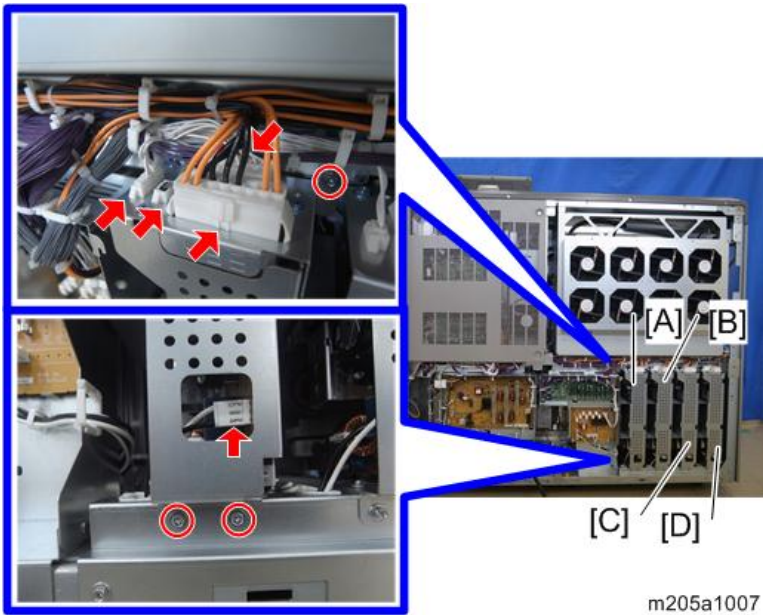
m205a1516

Note

- When you replace PSU 3, attach the PSU fans 3-4, bracket, and clamps which you removed in Step 7 to 9 to the new PSU 3 bracket.

PSU 6-9

- Duct cover (fusing section) (page 700)
- Rear lower cover (fusing section) (page 701)
- Remove the screws and connectors on the PSU bracket. (🔩×3, 📦×5)



- [A]: PSU 6
- [B]: PSU 7
- [C]: PSU 8
- [D]: PSU 9

4. Pull out the PSU bracket to remove it.

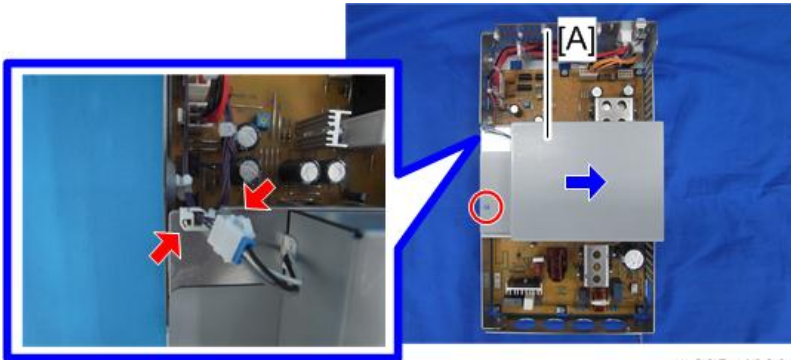


m205a1494

4

5. Fan case [A] (🔩×1, 📦×1, 🛠️×1)

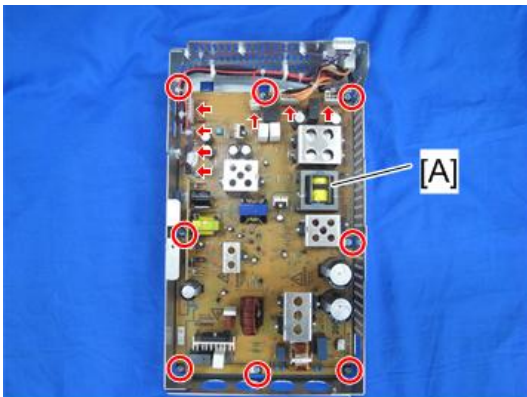
e.g.: PSU6



m205a1008

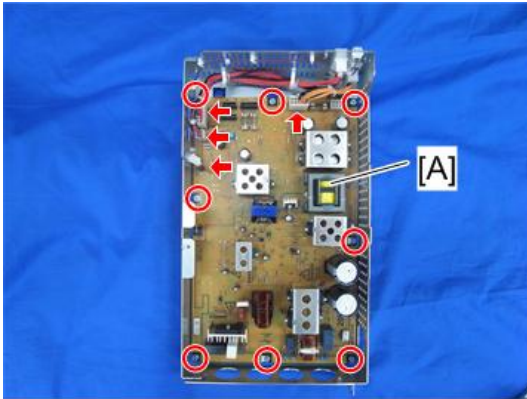
6. PSU [A]

- PSU6/8 (🔩×8, 📦×7)



m205a1107

- PSU7/9 (🔌 x8, 📦 x4)



m205a1108

4

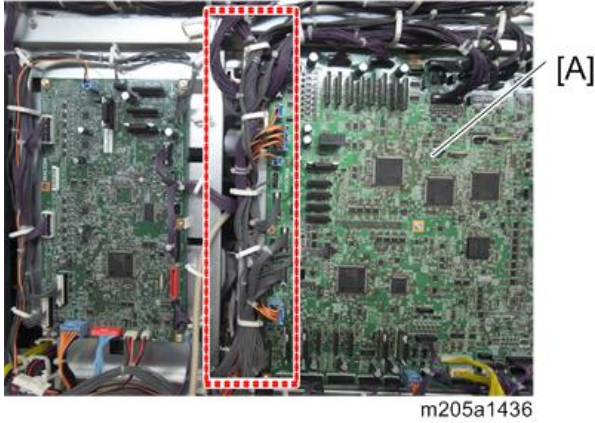
BCU

1. Open the rear box. (page 691)
2. Release the cable which connects IOB 1 and IOB 2. (📦 x1, 📦 x2)



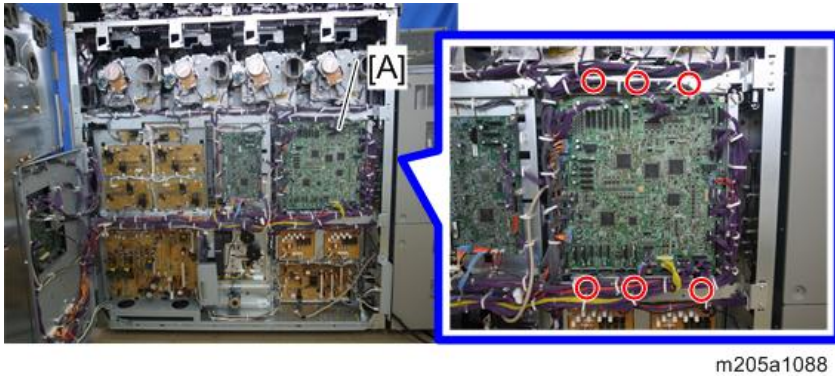
m205a4131

3. To open the IOB 1 bracket [A], disconnect the connectors and open the clamps on the left side of the bracket. (🔧×ALL, 🗑️×ALL)

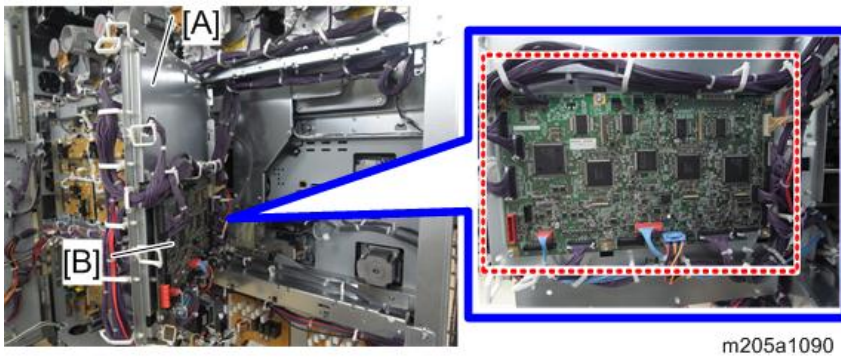


4

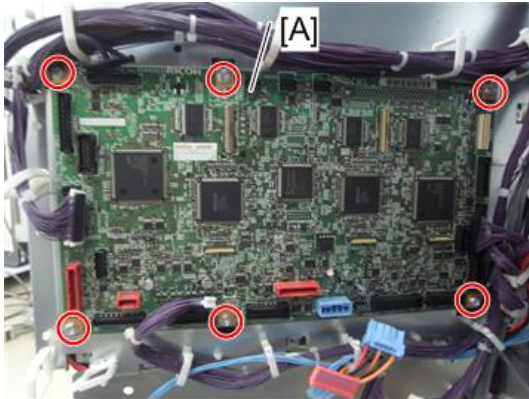
4. Remove the screws on the IOB 1 bracket [A]. (🔧×6)



5. Open the IOB 1 bracket [A], and then disconnect the connectors on the BCU [B]. (🔧×ALL)



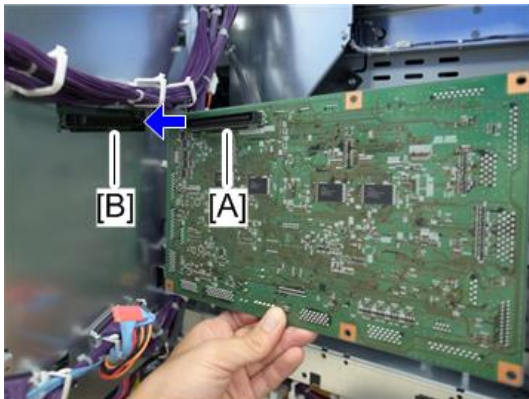
6. BCU [A] (Ⓢ×6)



m205a1091

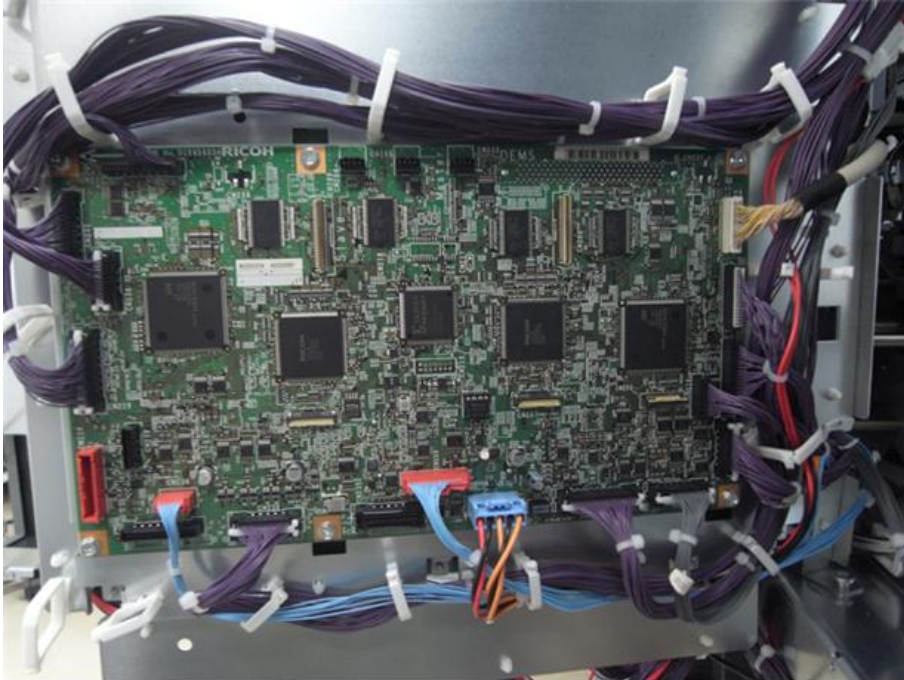
↓ Note

- When you attach the BCU, make sure to connect the connectors on the backside of the BCU [A] and IOB 1 [B].



m205a1495

Connection diagram

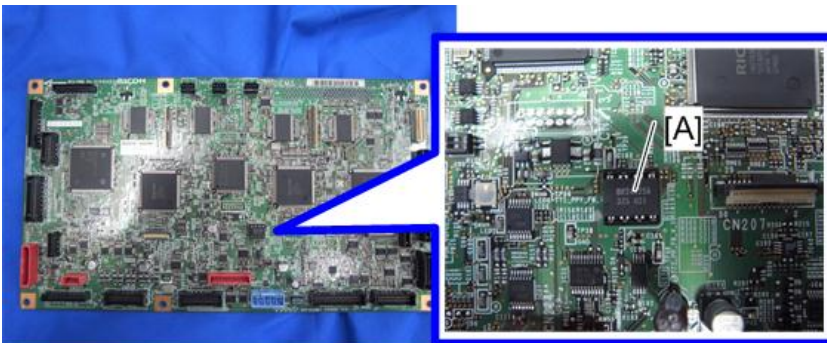


m205a1560

4

When Installing the New BCU

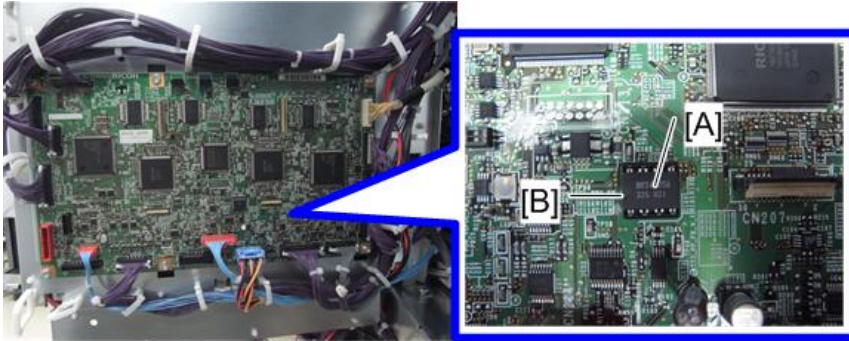
1. When you replace the BCU, remove the NVRAM (EEPROM) [A] from the old BCU, and then install it on the new BCU.



m205a1092

↓ Note

- When you install the NVRAM (EEPROM) [A] on the new BCU, install it so that the indentation [B] on the NVRAM is facing to the left.



m205a1093

- If you forget to install the NVRAM on the new BCU, the machine will not activate and remain in "Please wait" status even with the main power switch turned on.
2. Turn on the main power switch and register the machine serial number onto the new BCU by entering the machine serial number in SP5-811-004 (Machine Serial / Set: BCU).

Note

- Inputting a wrong serial number will cause the machine to display SC995-001 (PPM set error).

3. Select the paper size system in SP5-131-001.

- 0: DOM (Japan)
- 1: NA
- 2: EU

4. Specify the area code in SP5-807-001.

- 1: DOM (Japan)
- 2: NA
- 3: EU
- 4: TWN
- 5: AA
- 6: CHN

Note

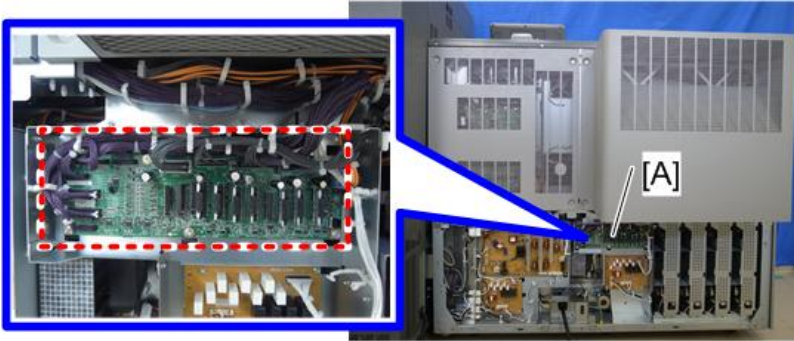
- Setting the wrong area code will cause the machine to display SC995-04 (PPM set error).

5. Turn the main power switch off and on.

SDB (Switchback Drive Board)

1. Rear lower cover (fusing section) (page 701)

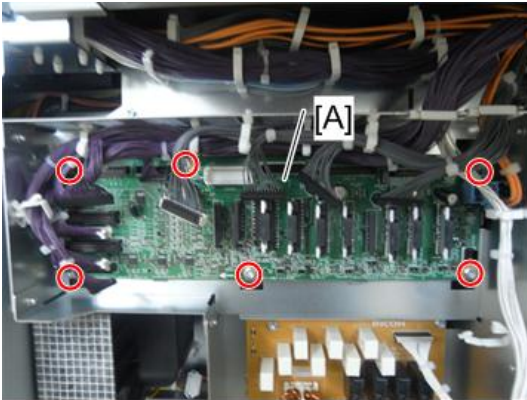
2. Disconnect the connectors on the SDB [A]. (🔌 ×ALL)



m205a1114

4

3. SDB [A] (🔌 ×6)



m205a1115

Connection diagram



m205a1541

4

NVRAM Replacement Procedure

⚠ CAUTION

- After removing the NVRAM, do not place it where there is the risk of static electricity. A data stored in the NVRAM could be damaged by a static electricity.

There are three NVRAMs on this machine; two on the controller board, one on the BCU

NVRAM on the Controller Board

↓ Note

- Before starting this procedure, prepare 2 blank SD cards to upload the back-up data.
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 and unplug the AC power cords. Make sure that none of the LEDs on the controller board are lit after you do this.
 4. Insert a blank SD card into slot #2, and then turn on the main power switch.

5. Upload the NVRAM data to the blank SD card in SP5-824-001 (NVRAM Data Upload).

Note

- 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)
0: valid, 1: invalid
 - SP5-895-002 (Application invalidation / Scanner)
0: valid, 1: invalid

6. Turn off the main power switch, and then unplug the AC power cord.

7. Remove the SD card containing the NVRAM data from slot #2.

8. Insert another blank SD card into slot #2, plug the AC power cord, and then turn on the main power switch.

9. Upload the Address Book Data to the blank SD card in SP5-846-051 (UCS Setting / Back Up All Addr Book).

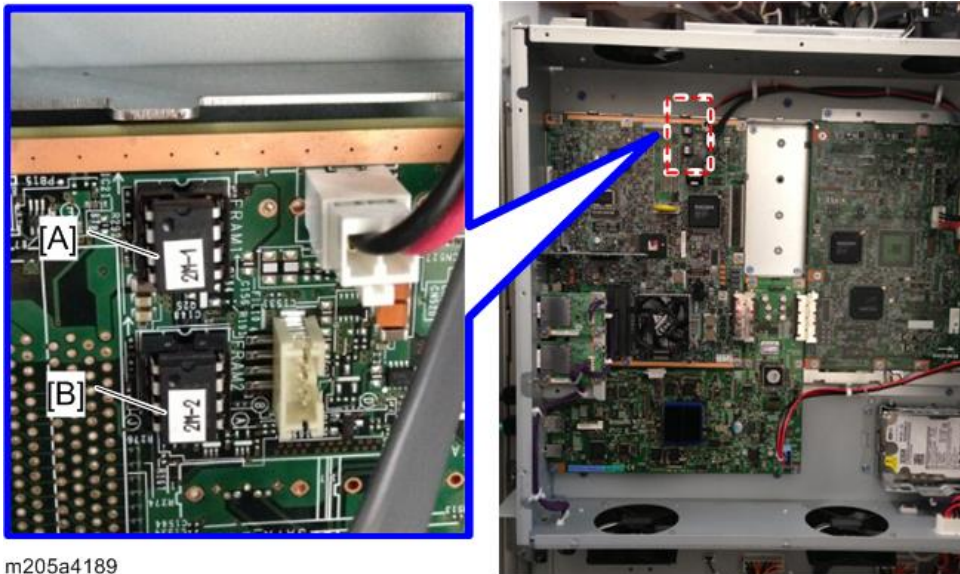
10. Turn off the main power switch, and then unplug the AC power cord.

11. Remove the SD card containing the Address Book Data from slot #2.

12. Replace the two NVRAMs on the Controller Board with the new ones.

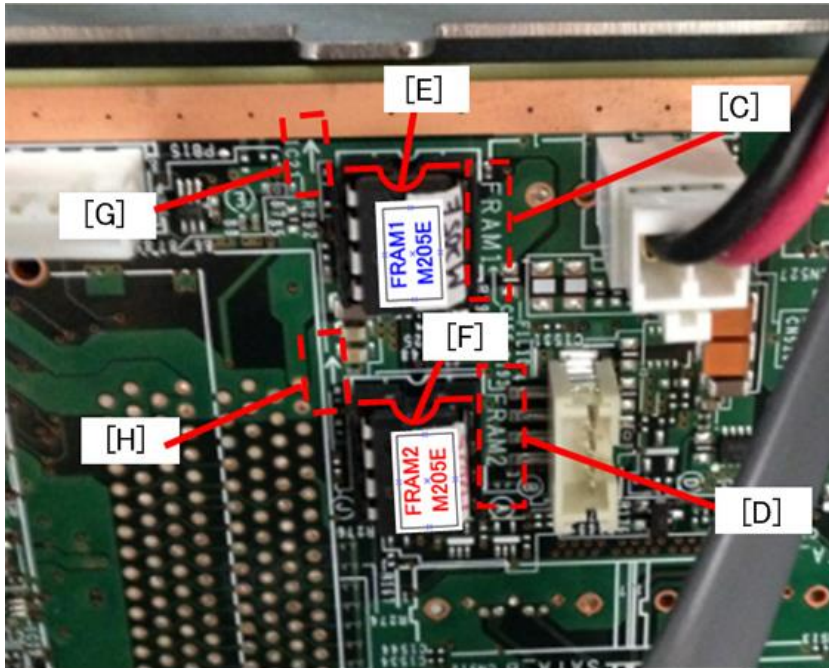
Note

- There are two NVRAMs on the controller board as mentioned in page 1362 "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/M205E" and "FRAM2/M205E".



m205a4189

- Install NVRAM "FRAM 1/M205E" 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/M205E" 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 NVRAMs. Incorrect installation will damage both the NVRAM and controller board.



m205a4190

13. Plug in the AC power cord, and then turn ON the main power switch.

Note

- **DO NOT** insert the SD card containing the NVRAM data that you removed in Step 7 before turning on the main switch.
- The message "Connection to Fiery disconnected. Turn the main power switch off." will appear after turning ON the main power switch, but ignore this message and go to Step No.14.

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.
- After the download completes, message "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)

Note

- Message "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. Wait until the machine power is turned off completely, and then remove the SD card from slot #2.

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.
- Message "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.

23. Print out the SMC data ("ALL") in SP5-990-001, and make sure that it matches with 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 printer application program.

★ Important

- When SP5-824-001 (NVRAM Data Upload) or SP5-825-001 (NVRAM Data Download) cannot be executed, do all of the following:
 - Input all the data in SMC manually.
 - Setup the security functions (Data Overwrite Security and the Data Encryption function) again.

Note

- If the message "SD card for restoration is required." appears after the NVRAM replacement, restore the encryption key.

NVRAM (EEPROM) on the BCU

Note

- Before starting this procedure, prepare a blank SD card to upload the back-up data.

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 BCU 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 (PPM Set Error).
- Setting the wrong area code will cause "Fusing Unit is not set correctly. Open the part as shown and set the unit." to appear on the operation panel, even though the fusing unit is set correctly.

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 printer application program.

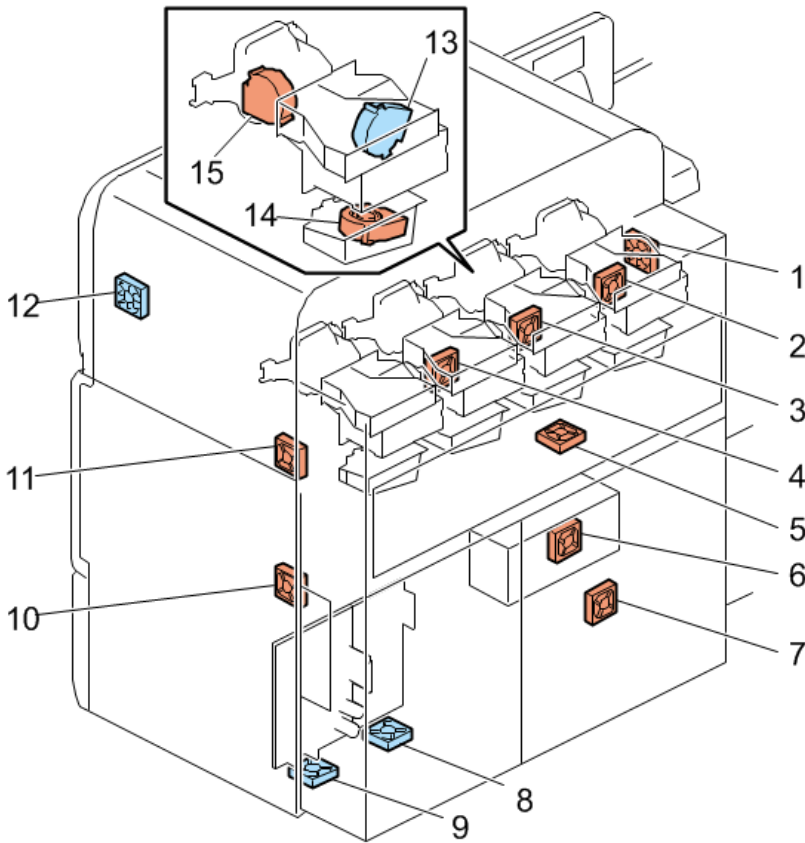
Note

- If the message "SD card for restoration is required." appears after the NVRAM replacement, restore the encryption key.

Fans/ Filters

Fan Layout

Rear Side of the Imaging Section 1

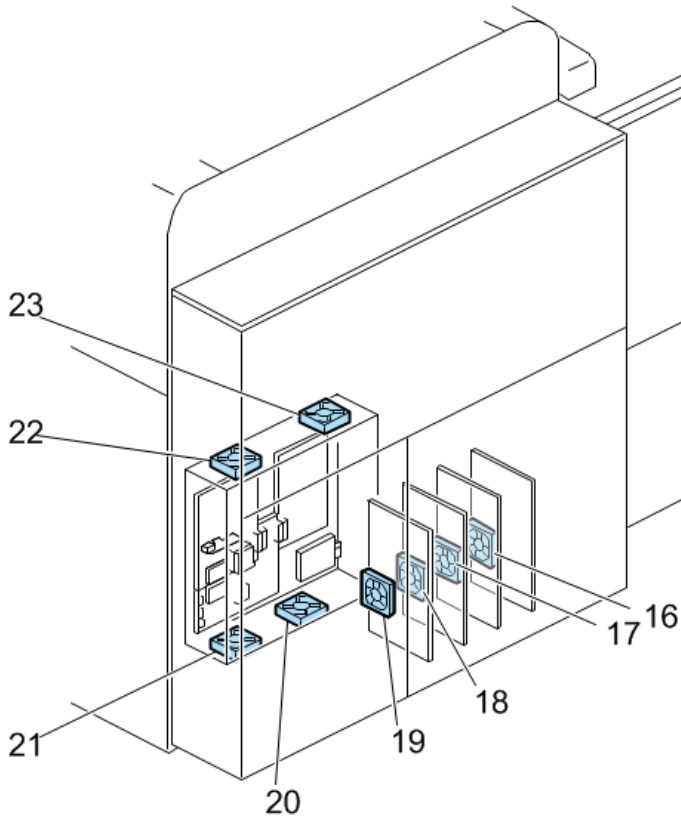


m205a9001

No.	Part Name	Replacement procedure	Remarks
1	Exhaust Fan 3	page 1410	
2	Exhaust Fan 9	page 1408	
3	Exhaust Fan 8	page 1408	
4	Exhaust Fan 1	page 1408	
5	Waste Toner Collection Fan	page 1412	

No.	Part Name	Replacement procedure	Remarks
6	PSU Exhaust Fan	page 1414	
7	Exhaust Fan 4	page 1411	
8	PSU Fan 4	page 1417	
9	PSU Fan 3	page 1417	
10	Registration Exhaust Fan	page 1422	
11	Exhaust Fan 2	page 1409	
12	Laser Unit Cooling Fan	page 722	
13	Development Unit Cooling Fan	page 1423	4 fans (K/C/M/Y)
14	Ozone Exhaust Fan	page 1424	
15	Charger Entrance Fan	page 1427	

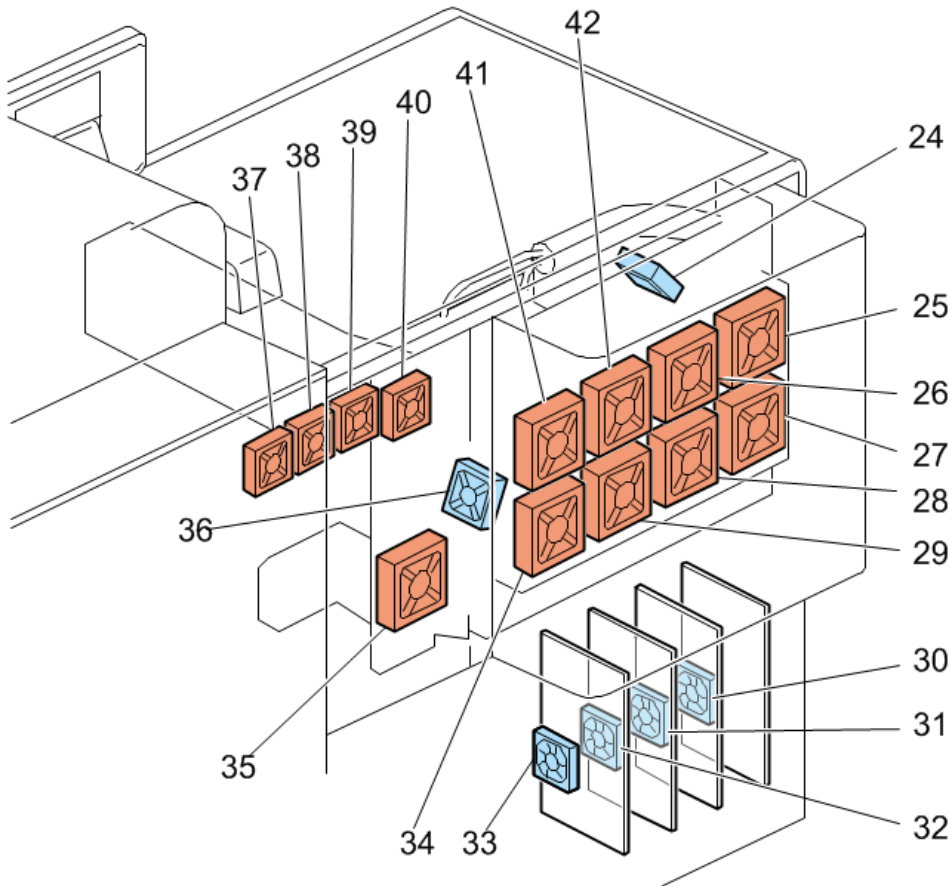
Rear Side of the Imaging Section 2



m205a9002

No.	Part Name	Replacement procedure	Remarks
16	PSU Fan 6	page 1415	
17	PSU Fan 5	page 1415	
18	PSU Fan 2	page 1415	
19	PSU Fan 1	page 1415	
20	Controller Fan 4	page 1428	
21	Controller Fan 3	page 1428	
22	Controller Fan 1	page 1428	
23	Controller Fan 2	page 1428	

Rear Side of the Fusing Section

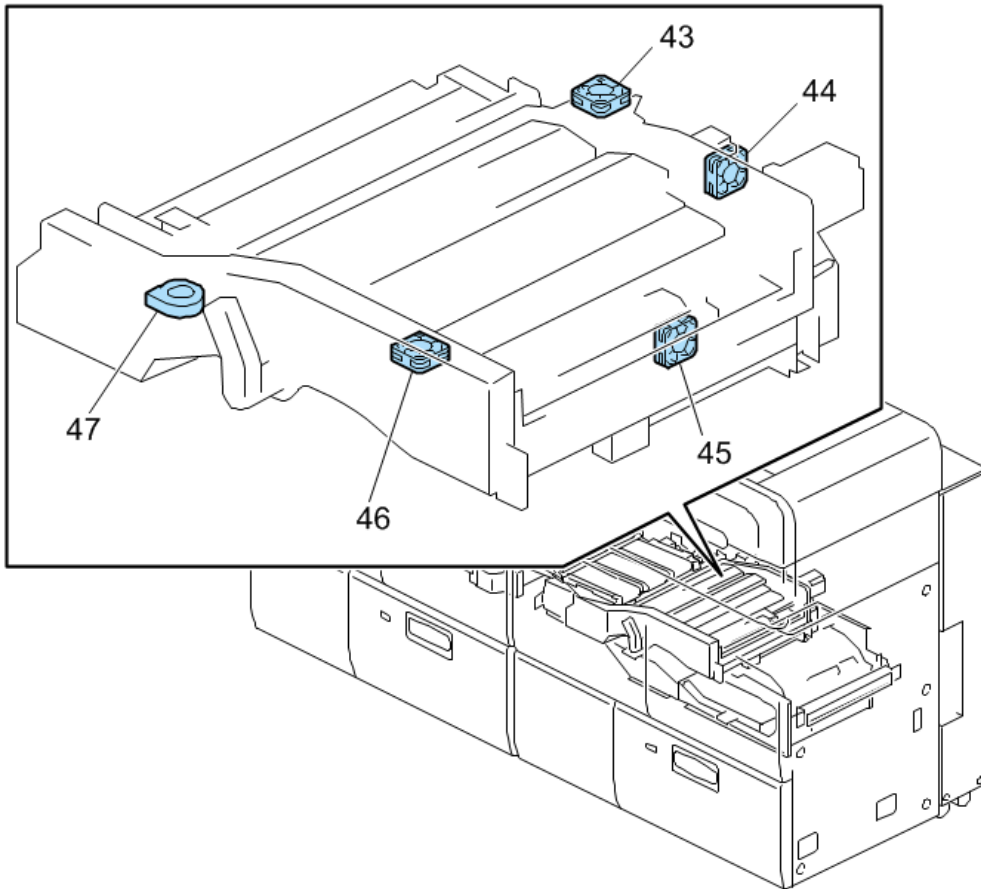


m205a9003

No.	Part Name	Replacement procedure	Remarks
24	De-curler Motor Cooling Fan	page 1430	
25	Paper Cooling Belt Fan 4	page 1431	
26	Paper Cooling Belt Fan 3	page 1431	
27	Paper Cooling Belt Fan 8	page 1431	
28	Paper Cooling Belt Fan 7	page 1431	
29	Paper Cooling Belt Fan 6	page 1431	
30	PSU Fan 10	page 1419	

No.	Part Name	Replacement procedure	Remarks
31	PSU Fan 9	page 1419	
32	PSU Fan 8	page 1419	
33	PSU Fan 7	page 1419	
34	Paper Cooling Belt Fan 5	page 1431	
35	Pressure Roller Exhaust Fan	page 1433	
36	Paper Exit Inverter Motor Fan	page 1433	
37	Exhaust Fan 5	page 1412	
38	Exhaust Fan 6	page 1412	
39	Exhaust Fan 7	page 1412	
40	Anti-condensation Fan	page 1434	
41	Paper Cooling Belt Fan 1	page 1431	
42	Paper Cooling Belt Fan 2	page 1431	

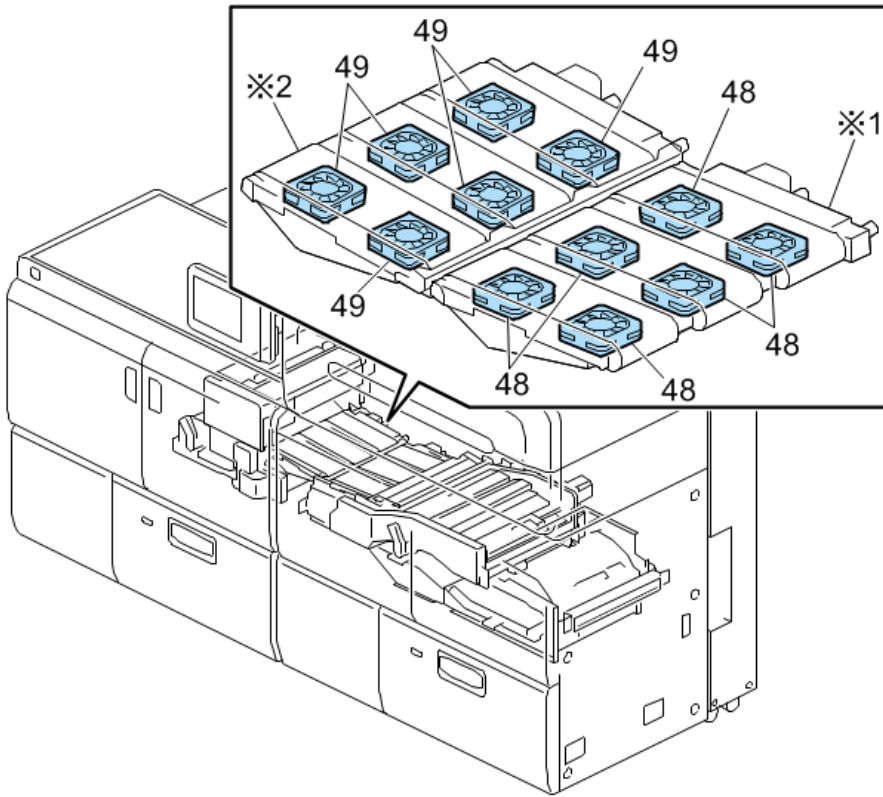
Registration Unit



m205a9004

No.	Part Name	Replacement procedure	Remarks
43	PTR Timing Motor Cooling Fan	page 1434	
44	Registration Timing Motor Fan	page 1435	
45	Registration Cooling Fan	page 1114	
46	CIS Cleaning Fan	page 1071	
47	ID Sensor Cleaning Fan	page 896	

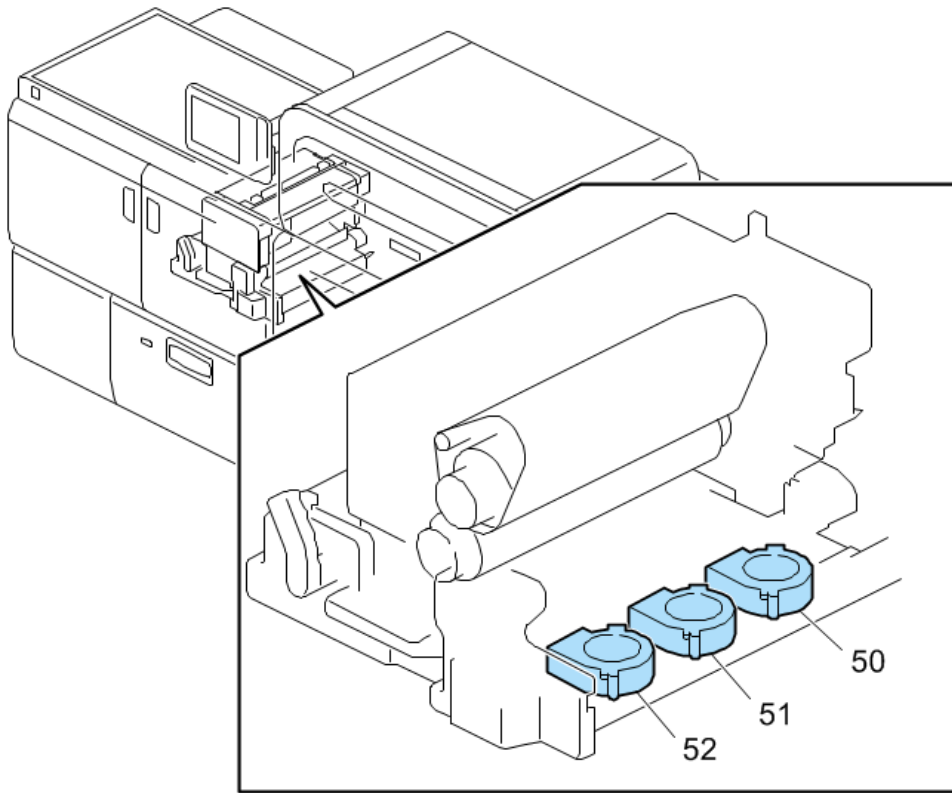
Paper Transport Belt (PTB) Unit



m205a9005

No.	Part Name	Replacement procedure	Remarks
48	PTB Fan 1-4, 9, 10	page 1129	* 1: 1st Paper Transport Belt (PTB) Unit
49	PTB Fan 5-8, 11, 12	page 1141	* 2: 2nd Paper Transport Belt (PTB) Unit

Fusing Unit

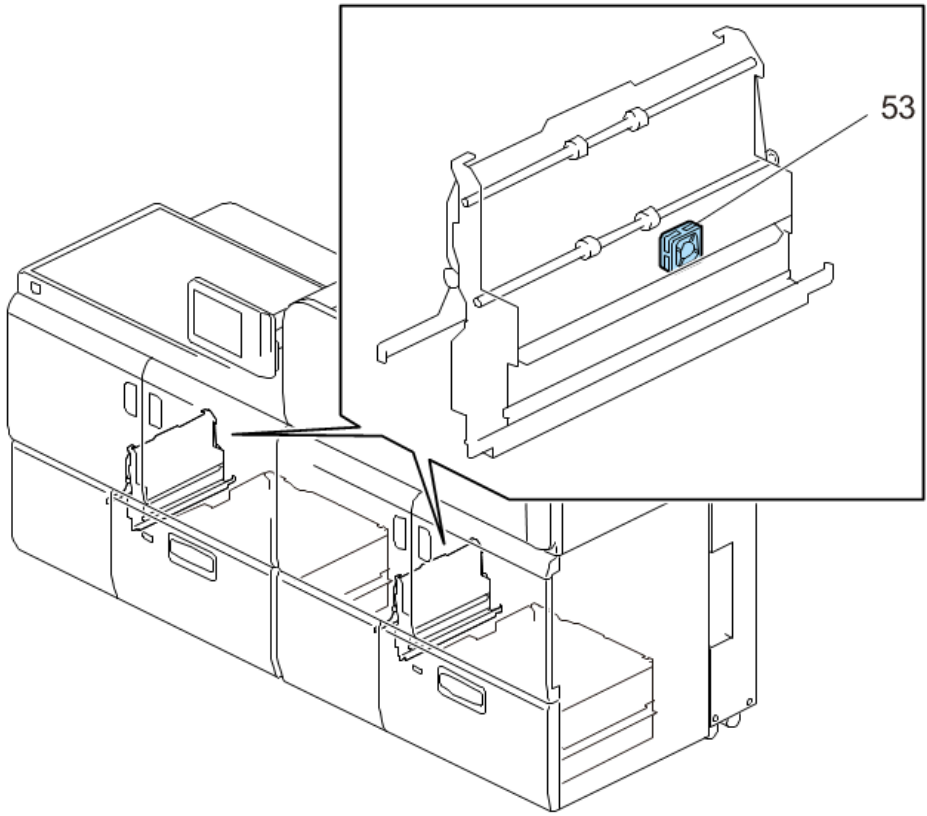


m205a9006

No.	Part Name	Replacement procedure	Remarks
50	Pressure Roller Intake Fan 3	page 1201	
51	Pressure Roller Intake Fan 2	page 1201	
52	Pressure Roller Intake Fan 1	page 1201	

Vertical Transport Unit

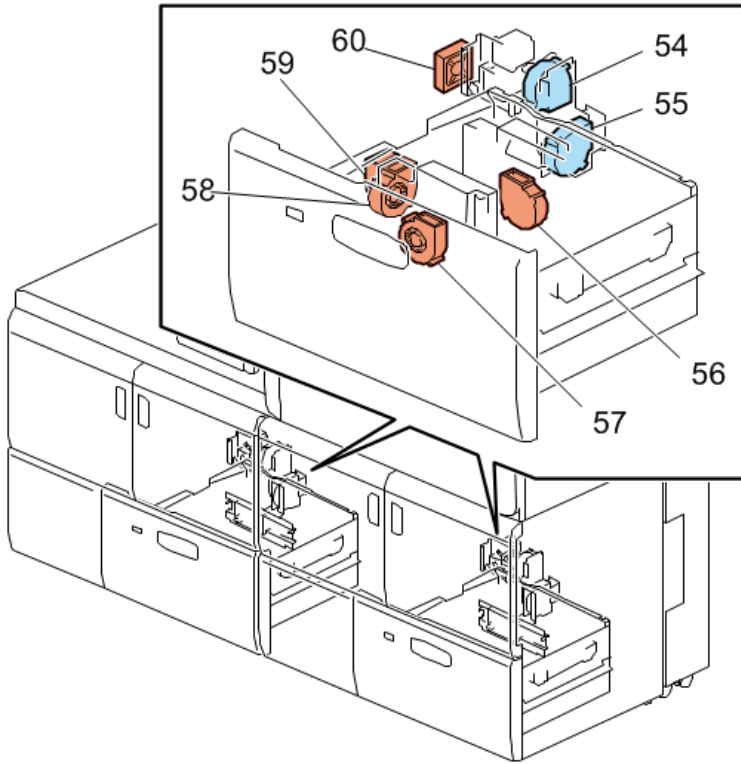
4



m205a9007

No.	Part Name	Replacement procedure	Remarks
53	Vertical Transport Motor Fan	Tray 1: page 955 Tray 2: page 1054	2 fans (Tray 1/ Tray 2)

Paper Tray



m205a9008

No.	Part Name	Replacement procedure	Remarks
54	Suction Fan 1	Tray 1: page 936 Tray 2: page 1035	2 fans (Tray 1/ Tray 2)
55	Suction Fan 2	Tray 1: page 936 Tray 2: page 1035	
56	Separation Rear Fan	Tray 1: page 928 Tray 2: page 1027	
57	Separation Front Fan	Tray 1: page 925 Tray 2: page 1024	
58	Separation Fan	Tray 1: page 910 Tray 2: page 1009	
59	Float Fan	Tray 1: page 910 Tray 2: page 1009	
60	Paper Transport Motor Fan	Tray 1: page 1437 Tray 2: page 1438	

Exhaust Fan 1-9

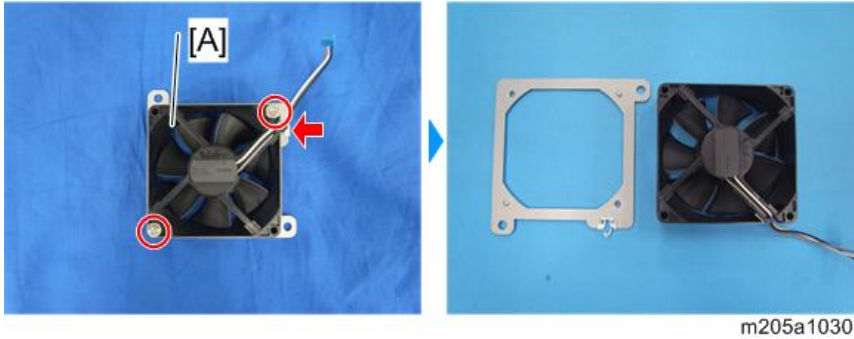
Exhaust Fan 1, 8, 9

1. Open the rear box. (page 691)
2. Fan bracket (🔧×2, 📦×1)



- [A]: Exhaust fan 9
- [B]: Exhaust fan 8
- [C]: Exhaust fan 1

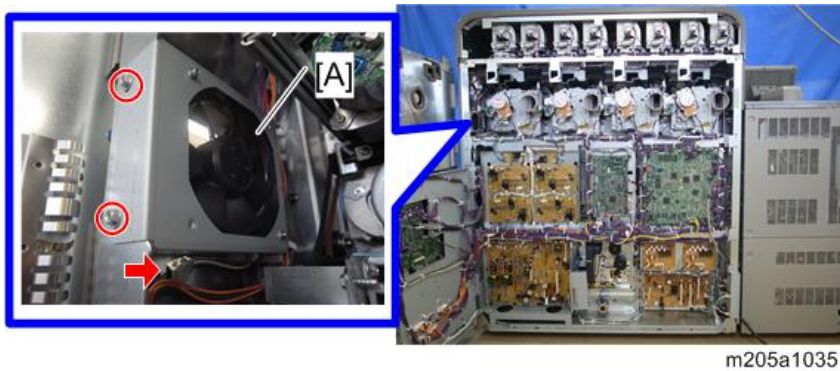
3. Exhaust fan [A] (🔩×2, 📦×1)



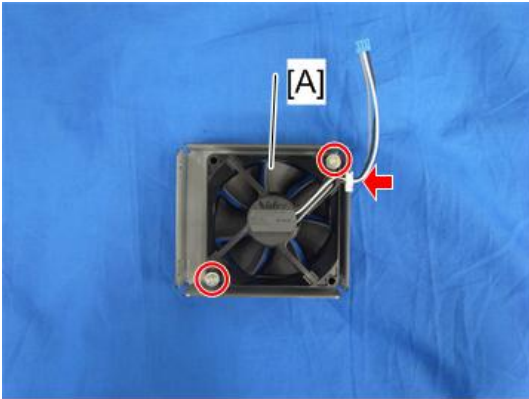
4

Exhaust Fan 2

1. Open the rear box. (page 691)
2. Fan bracket [A] (🔩×2, 📦×1)



3. Exhaust fan 2 [A] (⚙️×2, 📦×1)



m205a1036

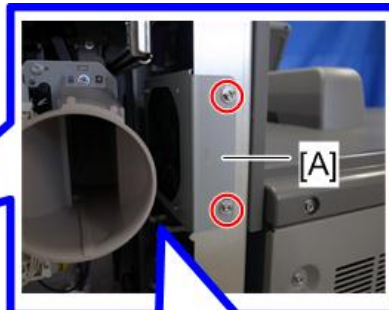
4

Exhaust Fan 3

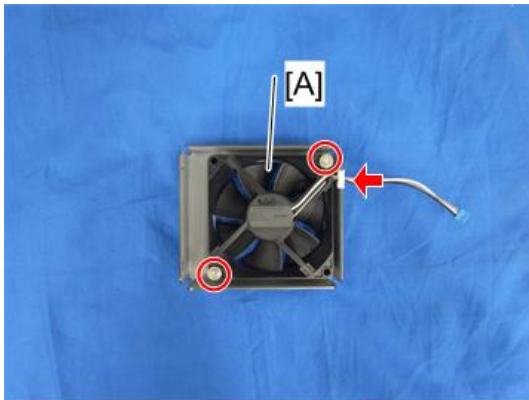
1. Open the rear box. (page 691)
2. Fan bracket [A] (⚙️×2, 📦×1)



m205a1033



3. Exhaust fan 3 [A] (⚙️×2, 📦×1)



m205a1034

4

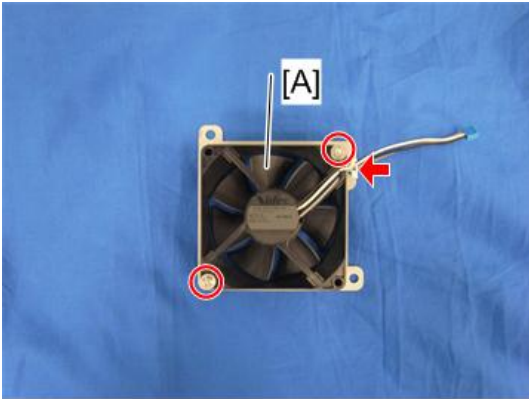
Exhaust Fan 4

1. Open the rear box. (page 691)
2. Fan bracket [A] (⚙️×2, 📦×1, 📦×1)



m205a1031

3. Exhaust fan 4 [A] (🔩×2, 📦×1)

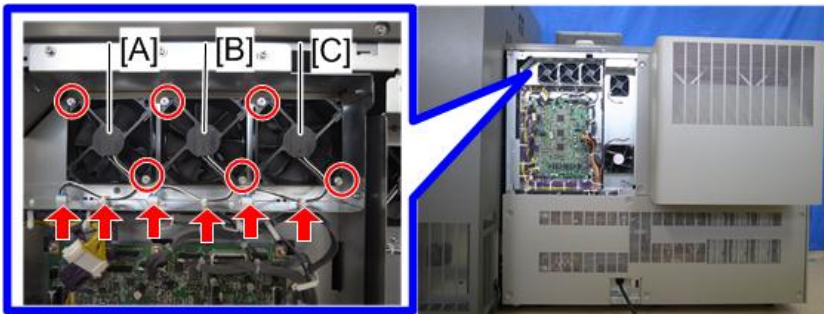


m205a1032

4

Exhaust Fan 5-7

1. VOC filter (upper) (page 1444)
2. Exhaust fan (🔩×2, 📦×1, 📦×1)



m205a1002

- [A]: Exhaust fan 5
- [B]: Exhaust fan 6
- [C]: Exhaust fan 7

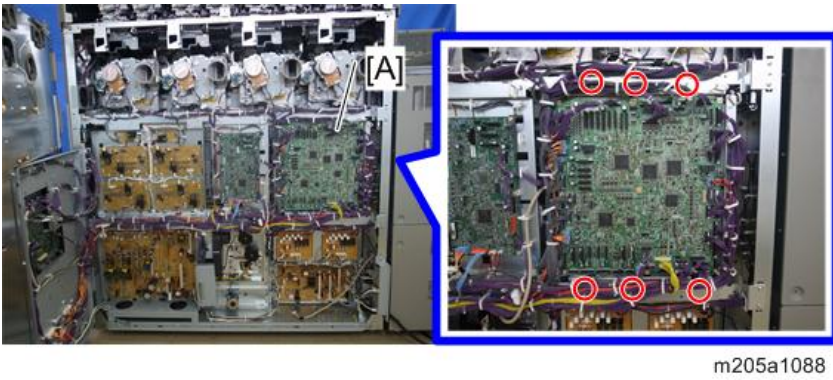
Waste Toner Collection Fan

1. Open the rear box. (page 691)

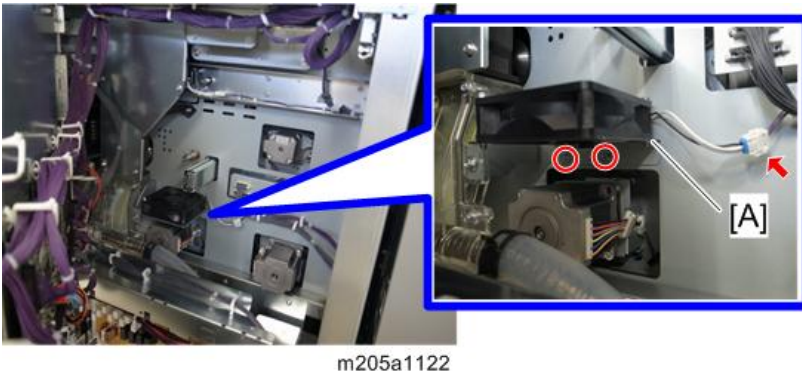
2. Release the cable which connects IOB 1 and IOB 2 (📦 x1, 🛠️ x2).



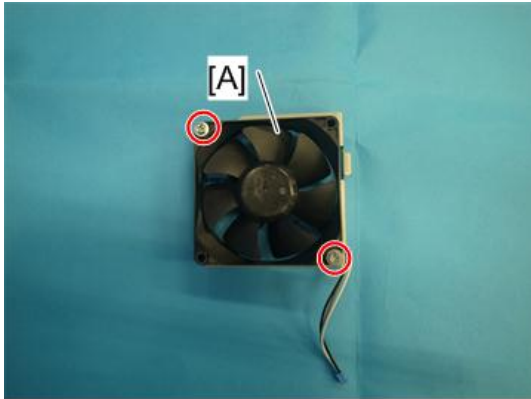
3. Remove the screws on the IOB 1 bracket [A], and then open it. (🛠️ x6)



4. Fan bracket [A] (🛠️ x2, 📦 x1)



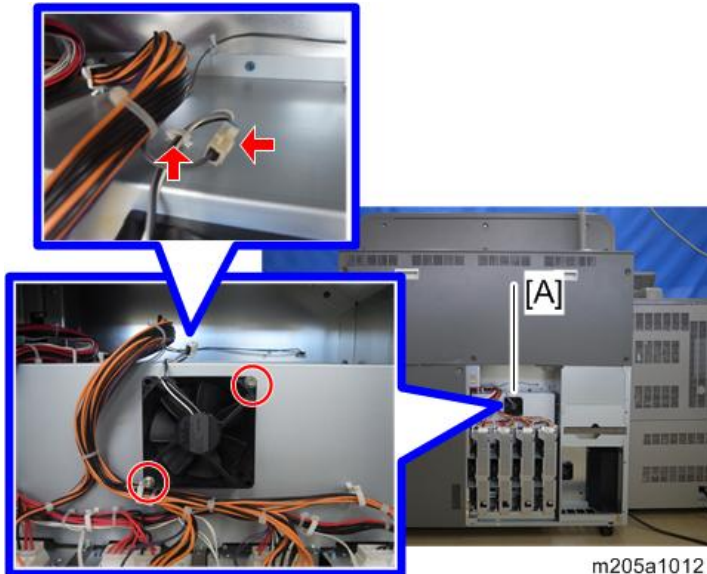
5. Waste toner collection fan [A] (🔩×2)



m205a1123

PSU Exhaust Fan

1. Rear box right lower cover (page 695)
2. PSU exhaust fan [A] (🔩×2, 📦×1, 🛠️×1)

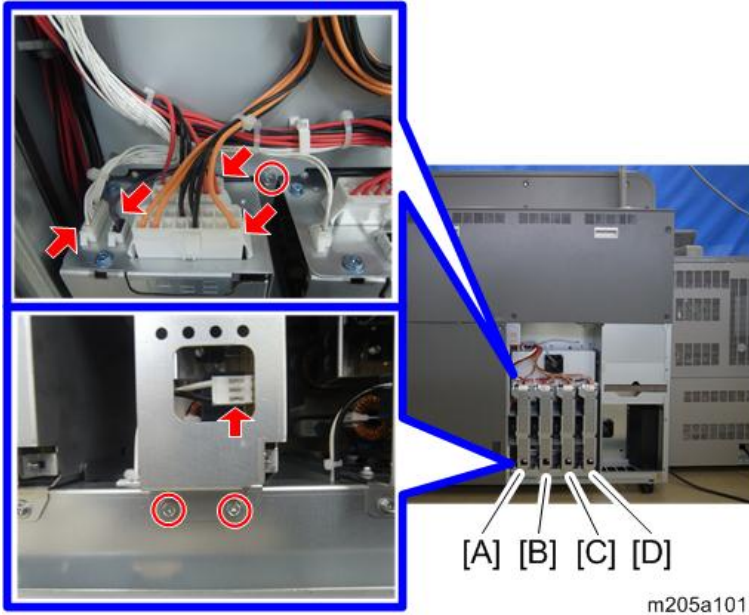


m205a1012

PSU Fan 1-10

PSU Fan 1, 2, 5, 6

1. Rear box right lower cover (page 695)
2. Remove the screws and connectors on the PSU bracket. (🔩 ×3, 📦 ×5)



- [A]: PSU fan 1
- [B]: PSU fan 2
- [C]: PSU fan 5
- [D]: PSU fan 6

3. Pull out the PSU bracket to remove it.

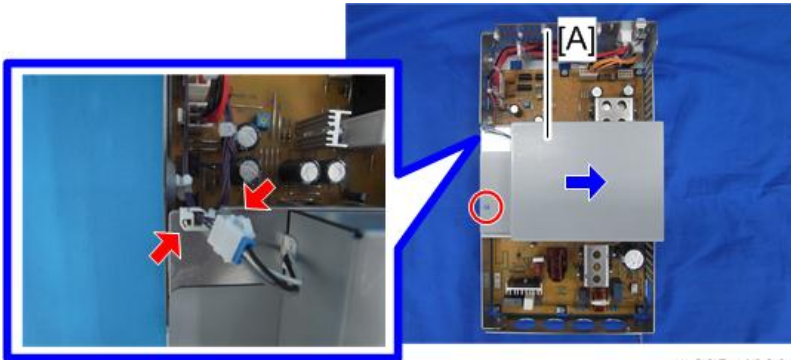


m205a1434

4

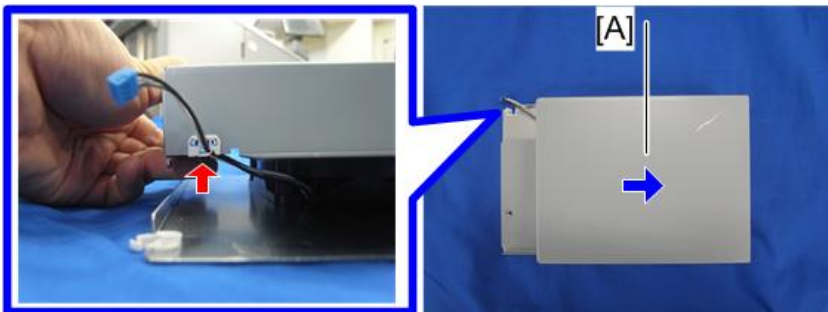
4. Fan case [A] (🔩×1, 📦×1, 🛠️×1)

e.g.: PSU fan 1



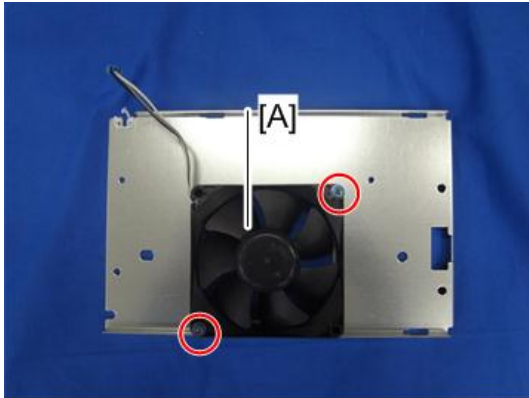
m205a1008

5. Fan case cover [A] (🛠️×1)



m205a1009

6. PSU fan [A] (🔑 x2)

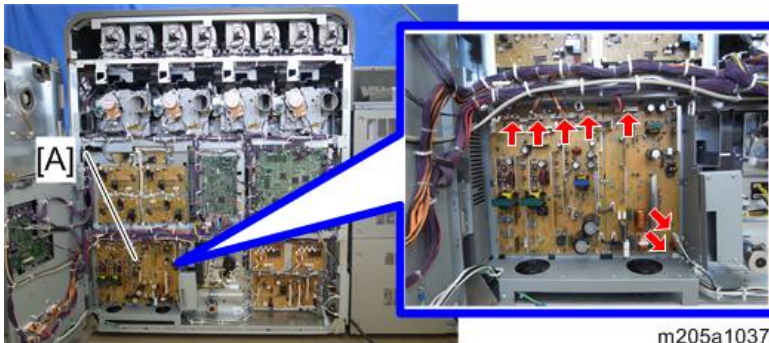


m205a1010

4

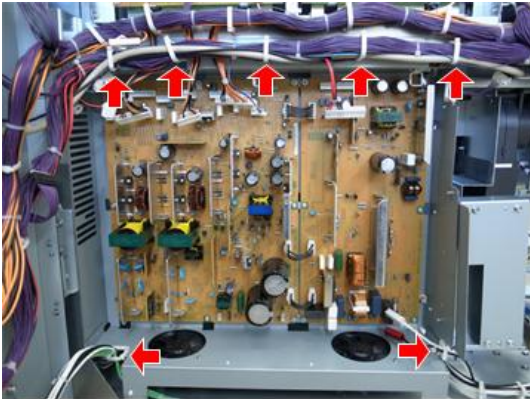
PSU Fan 3-4

1. Open the rear box. (page 691)
2. Disconnect the connectors on the PSU 3 [A]. (🔧 x7)



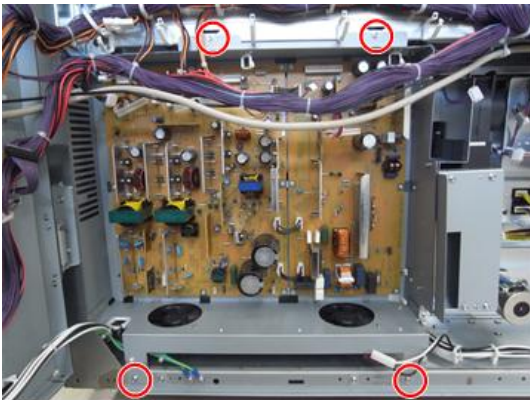
m205a1037

3. Open the clamps on the PSU 3 bracket. (🔧×7)



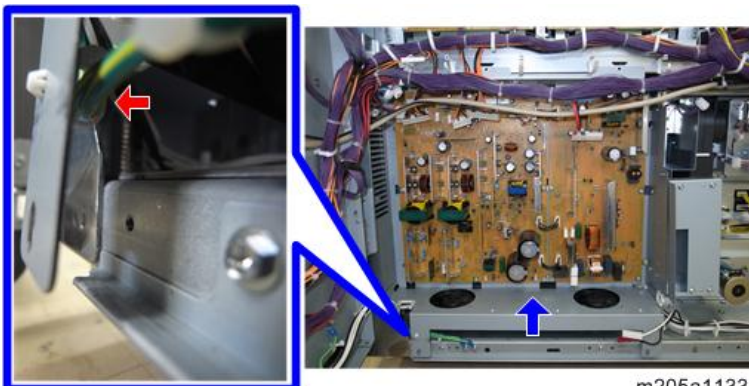
m205a1132

4. Remove the screws on the PSU 3 bracket. (🔧×4)



m205a1038

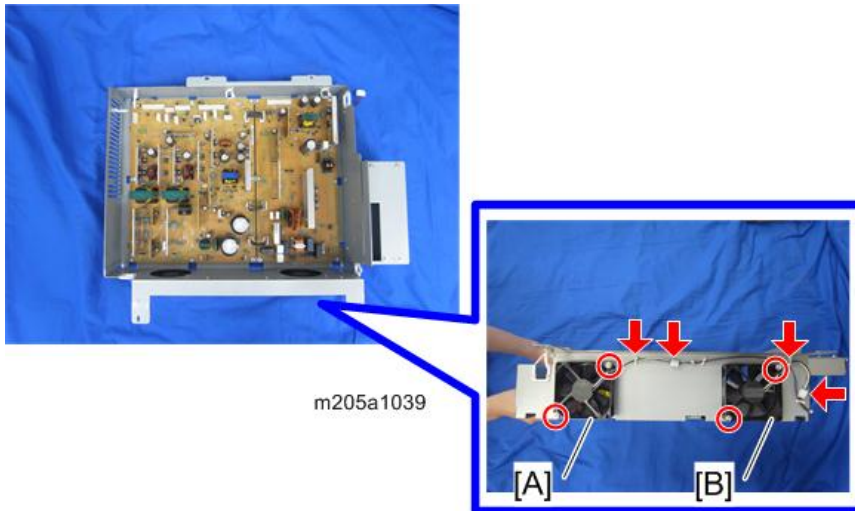
5. Lift the bottom of the PSU 3 bracket, and then open the clamp on the rear side. (🔧×1)



m205a1133

6. Remove the PSU 3 bracket.

7. PSU fan (🌀×2, 📦×1, 📦×1)

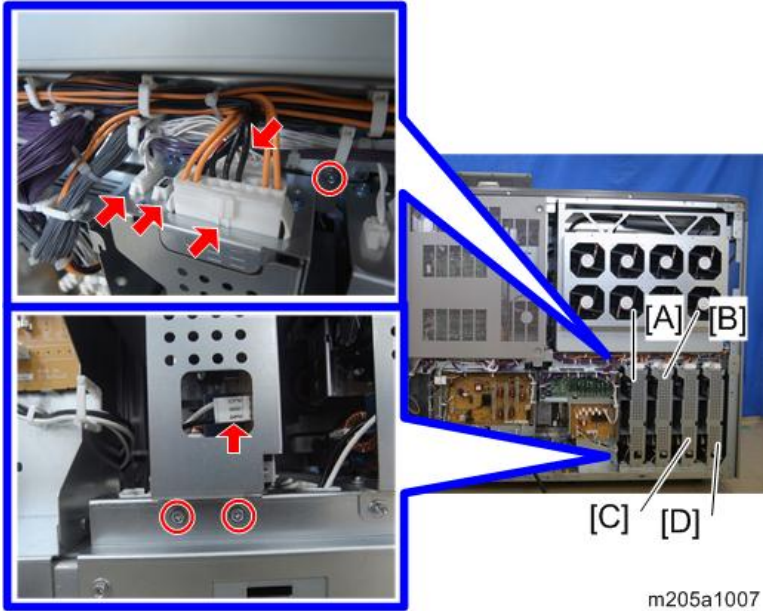


- [A]: PSU fan 3
- [B]: PSU fan 4

PSU Fan 7-10

1. Duct cover (fusing section) (page 700)
2. Rear lower cover (fusing section) (page 701)

3. Remove the screws and connectors on the PSU bracket. (🔩 ×3, 📦 ×5)



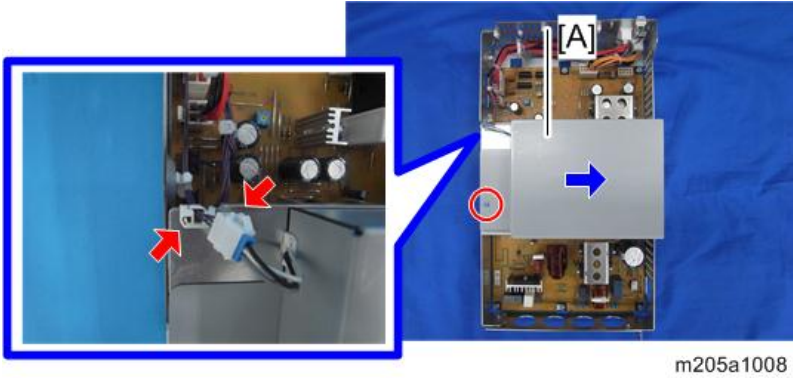
- [A]: PSU fan 7
- [B]: PSU fan 8
- [C]: PSU fan 9
- [D]: PSU fan 10

4. Pull out the PSU bracket to remove it.

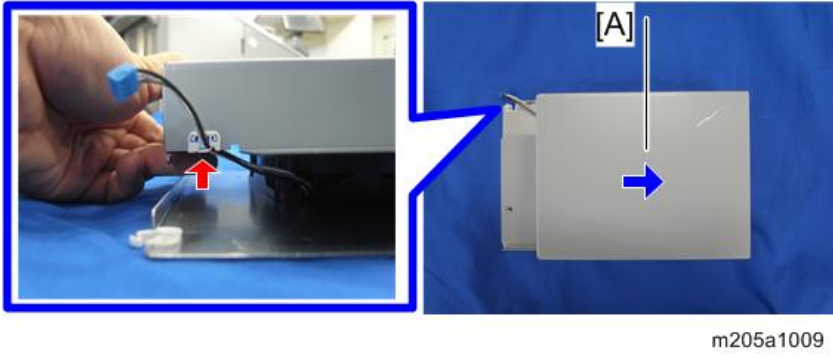


5. Fan case [A] (🔩 ×1, 📦 ×1, 🛠️ ×1)

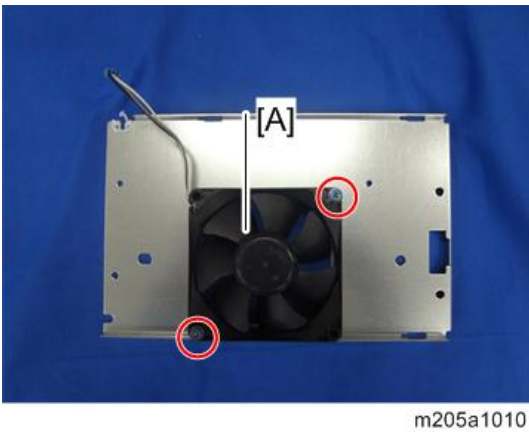
e.g.: PSU fan 7



6. Fan case cover [A] (🔑×1)



7. PSU fan [A] (🔑×2)



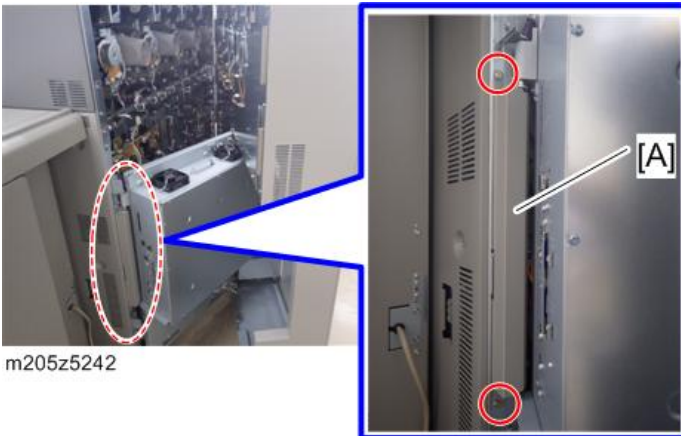
Registration Exhaust Fan

1. Remove the controller cover [A] from rear side of the main machine. (🔩×2)



m205a0328

2. Open the rear box. (page 691)
3. Cover [A] (🔩×2)



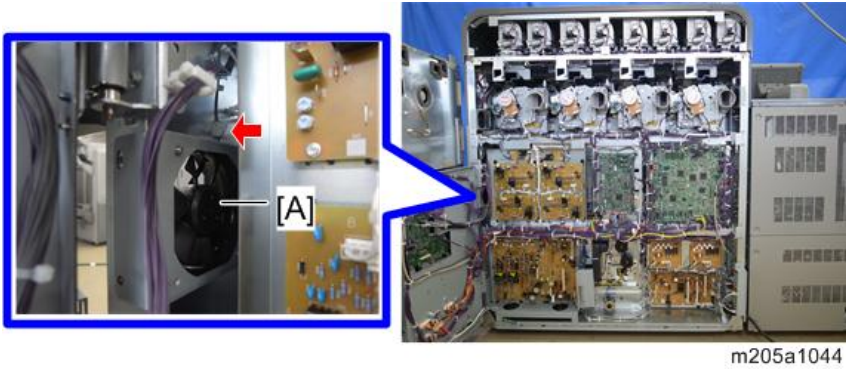
m205z5242

4. On the right side of the machine, remove the screws of registration exhaust fan [A]. (🔩×2)

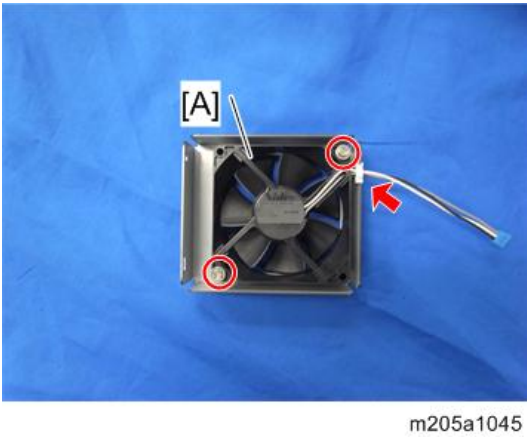


m205z5243

5. Fan bracket [A] (📦 ×1)



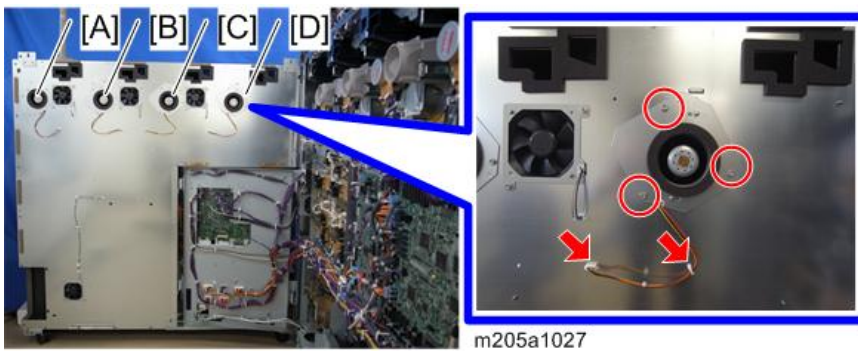
6. Registration exhaust fan [A] (🔩 ×2, 🌀 ×1)



4

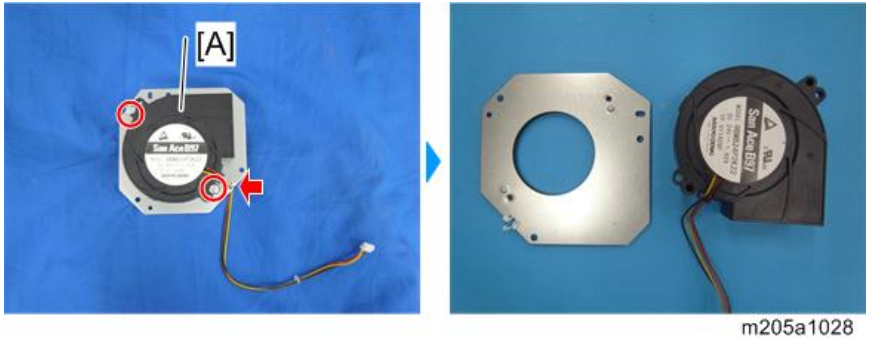
Development Unit Cooling Fan (K/C/M/Y)

1. Open the rear box. (page 691)
2. Fan bracket (🔩 ×3, 📦 ×1, 🌀 ×1)



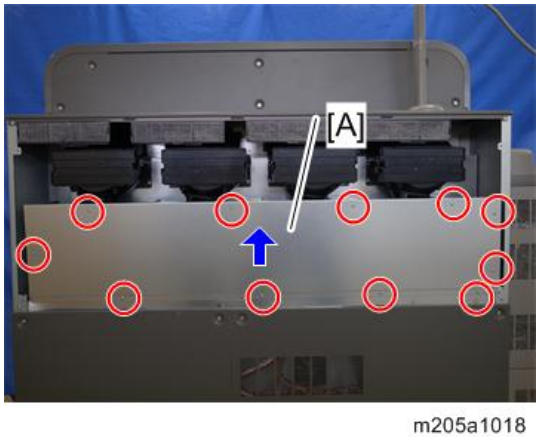
- [A]: Development unit cooling fan (Y)
- [B]: Development unit cooling fan (M)
- [C]: Development unit cooling fan (C)
- [D]: Development unit cooling fan (K)

3. Development unit cooling fan [A] (⚙️×2, 🔌×1)

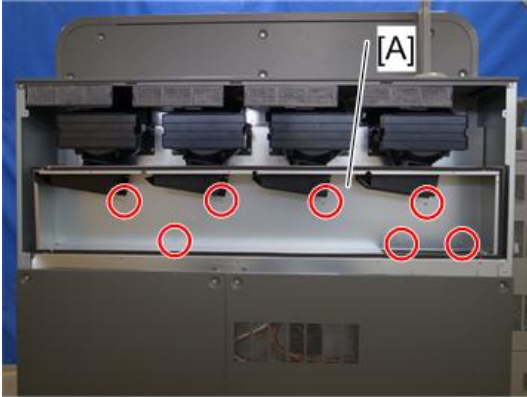


Ozone Exhaust Fan (K/C/M/Y)

1. Rear box upper cover (page 693)
2. Remove the cover [A] by moving it upward. (⚙️×11)

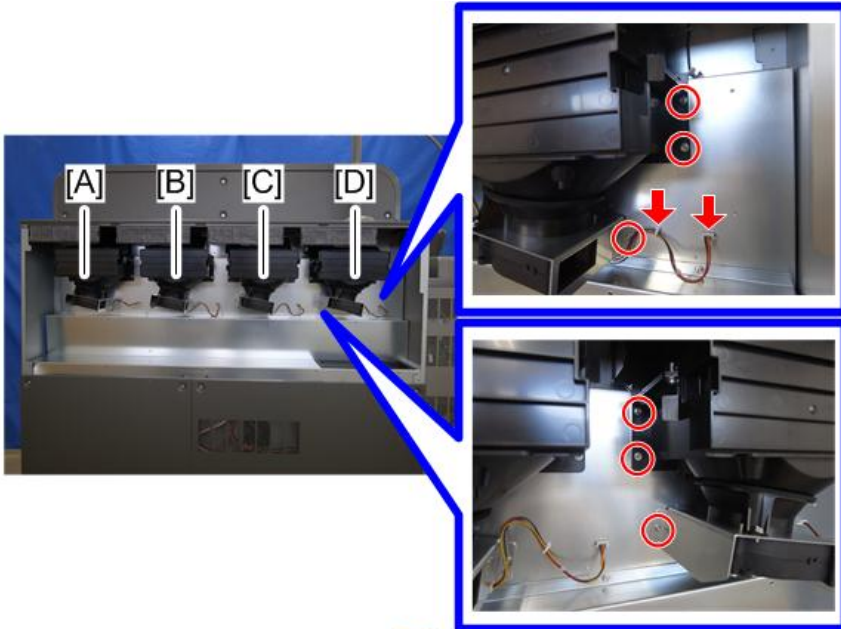


3. Bracket [A] (🔩 ×7)

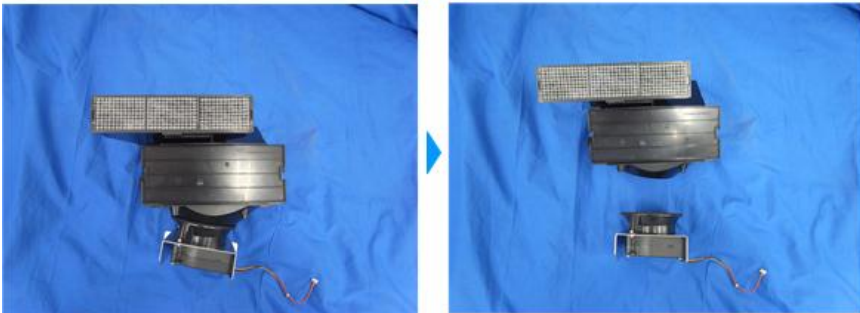


m205a1020

4. Remove the ozone exhaust fan bracket with duct by moving them downward. (⚙️×6, 🛠️×1, 🌀×1)



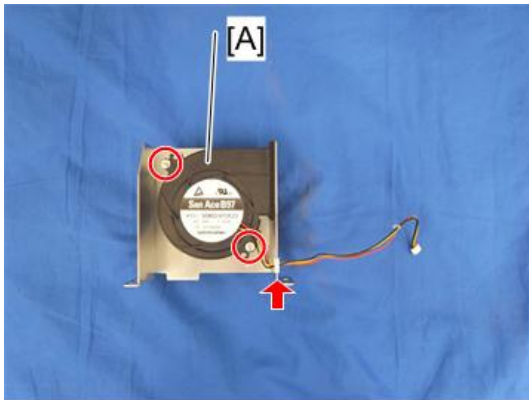
4



m205a1021

- [A]: Ozone exhaust fan (K)
- [B]: Ozone exhaust fan (C)
- [C]: Ozone exhaust fan (M)
- [D]: Ozone exhaust fan (Y)

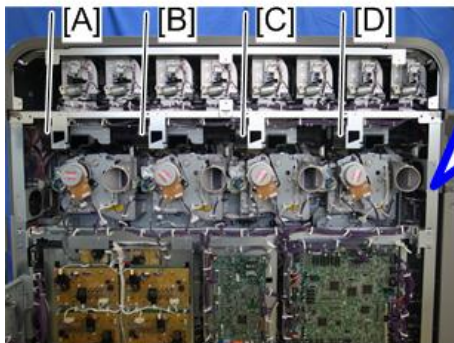
5. Ozone exhaust fan [A] (⊙×2, ⊞×1)



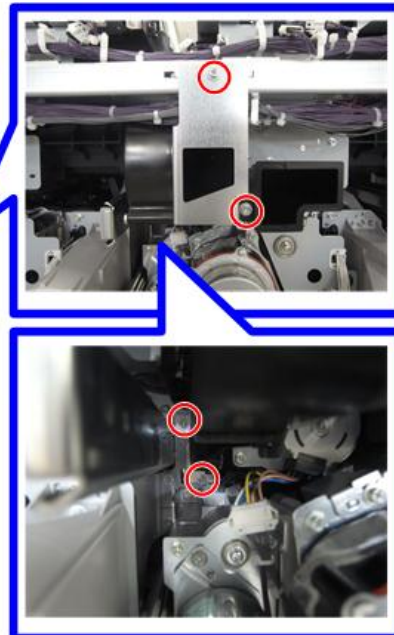
m205a1023

Charger Entrance Fan (K/C/M/Y)

1. Open the rear box. (page 691)
2. Remove the screws on the bracket. (⊙×4)



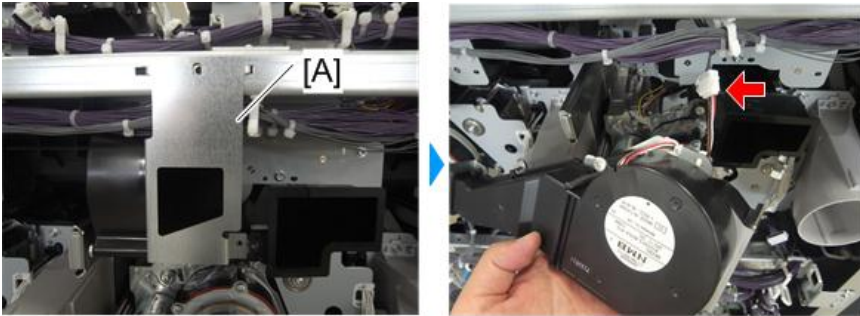
m205a1040



- [A]: Charger entrance fan (K)
- [B]: Charger entrance fan (C)
- [C]: Charger entrance fan (M)

- [D]: Charger entrance fan (Y)

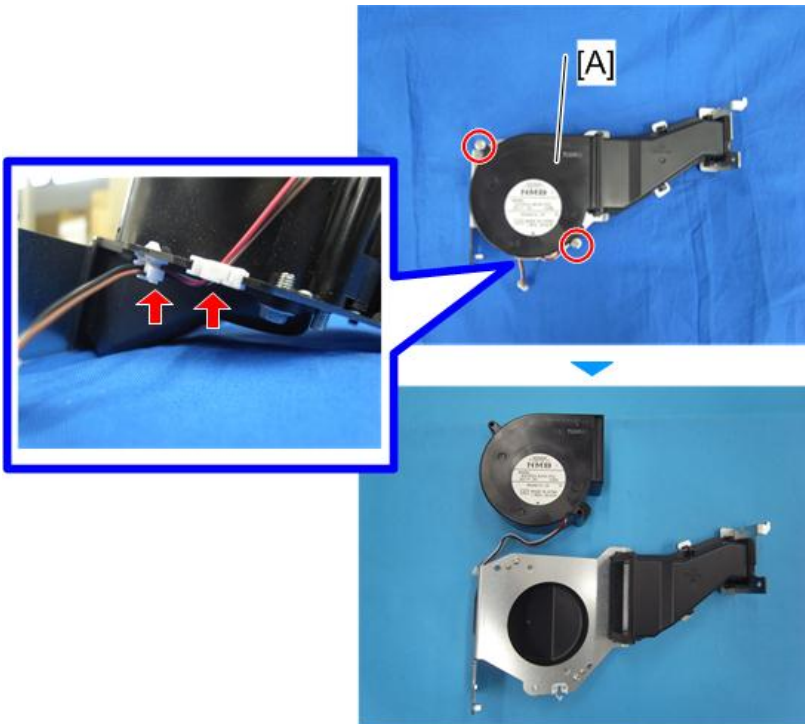
3. Pull the bracket [A] toward to you, and then disconnect the connector to remove the bracket. (📦 x1)



m205a1041

4

4. Charger entrance fan [A] (🔩 x2, 📦 x2)



m205a1042

Controller Fan 1-4

1. Open the rear box. (page 691)

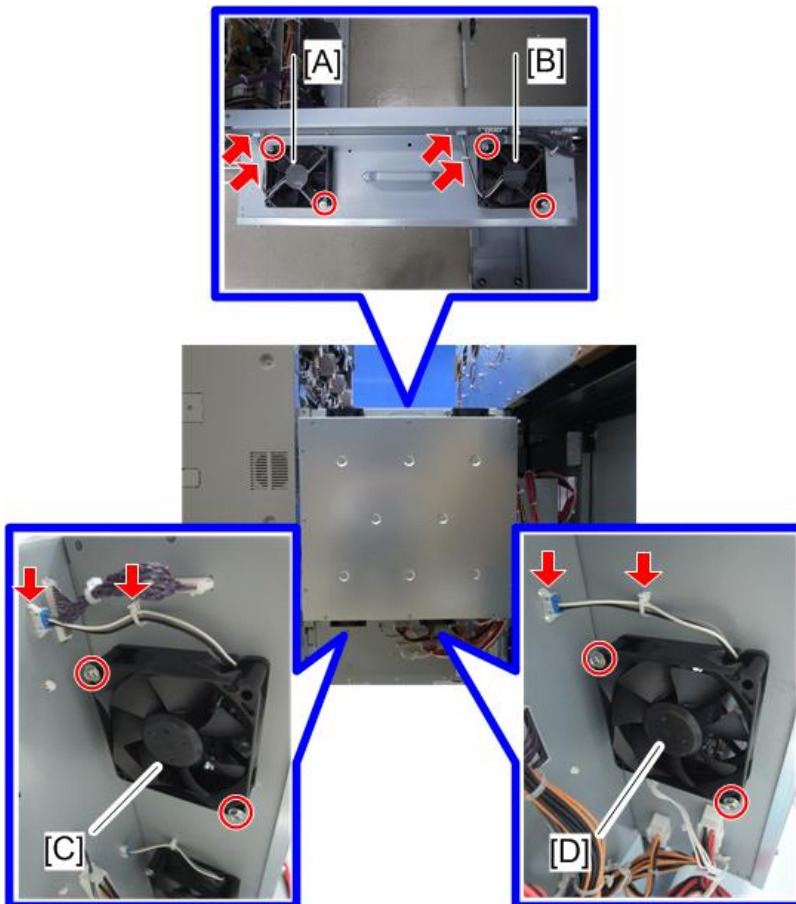
2. Make the rear box be parallel to the machine.



m205a1062

4

3. Controller fan (🌀 ×2, 📦 ×1, 📦 ×1)



m205a1025

- [A]: Controller fan 1

- [B]: Controller fan 2
- [C]: Controller fan 3
- [D]: Controller fan 4

Note

- You can also access the controller fan 3-4 by removing the rear box left lower cover only.



m205a1026

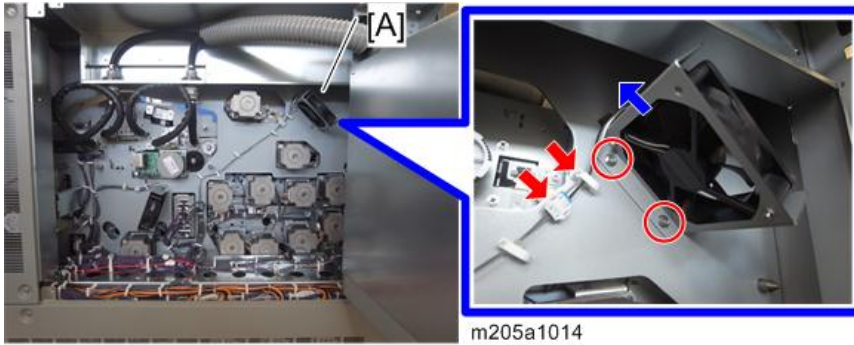
De-curler Motor Cooling Fan

1. Duct cover (fusing section) (page 700)
2. Open the radiator unit [A]. (⚙️×1)

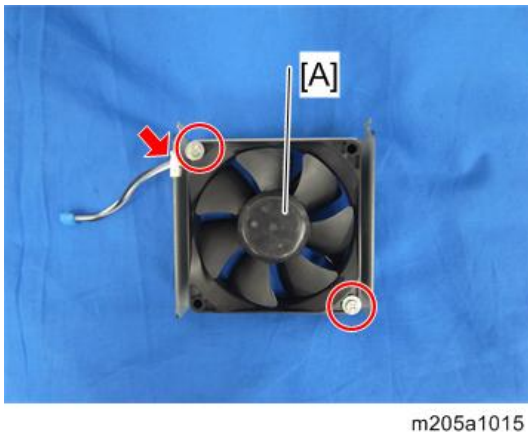


m205a1013

3. Fan bracket [A] (🔩×2, 📦×1, 🛠️×1)



4. De-curler motor cooling fan [A] (🔩×2, 🛠️×1)



4

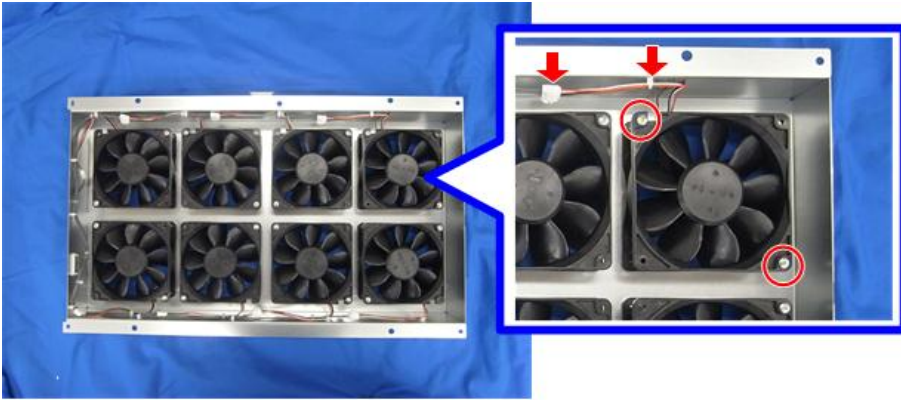
Paper Cooling Belt Fan 1-8

1. Duct cover (fusing section) (page 700)
2. Fan bracket [A] (🔩×4, 📦×3)



3. Turn over the fan bracket, and then remove the paper cooling belt fan. (🔩 ×2, 🛠 ×1, all the clamps for the fan to be removed)

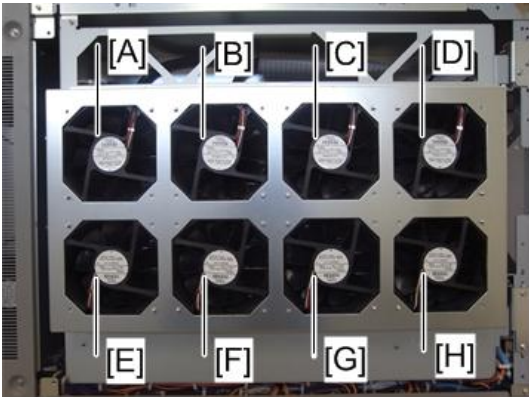
e.g. (enlarged): paper cooling belt fan 1



m205a1005

Note

- The following picture shows paper cooling belt fan layout. Paper cooling fans are arranged in numerical order from the upper left in the condition that the fan bracket is attached to the machine.



m205a1006

- [A]: Paper cooling belt fan 1
- [B]: Paper cooling belt fan 2
- [C]: Paper cooling belt fan 3
- [D]: Paper cooling belt fan 4
- [E]: Paper cooling belt fan 5
- [F]: Paper cooling belt fan 6
- [G]: Paper cooling belt fan 7
- [H]: Paper cooling belt fan 8

Pressure Roller Exhaust Fan

1. VOC filter (right) (page 1444)
2. Pressure roller exhaust fan [A] (🔩×2, 📦×1, 🛠️×1)



m205a1004

4

Paper Exit Inverter Motor Fan

1. Duct cover (fusing section) (page 700)
2. Open the radiator unit [A]. (🔩×1)



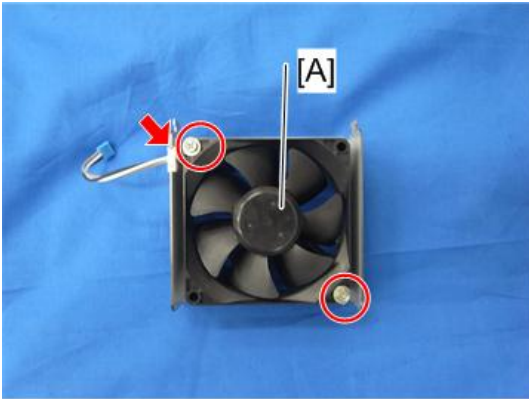
m205a1013

3. Fan bracket [A] (🔩×2, 📦×1, 🛠️×1)



m205a1016

4. Paper exit inverter motor fan [A] (🔩×2, 📦×1)

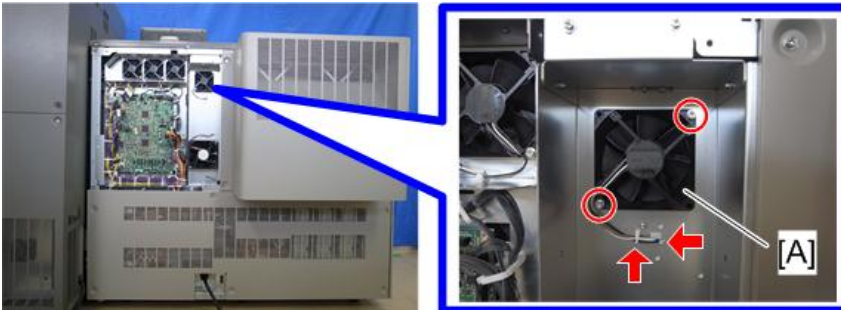


m205a1017

4

Anti-condensation Fan

1. VOC filter (right) (page 1444)
2. Anti-condensation fan [A] (🔩×2, 📦×1, 📦×1)

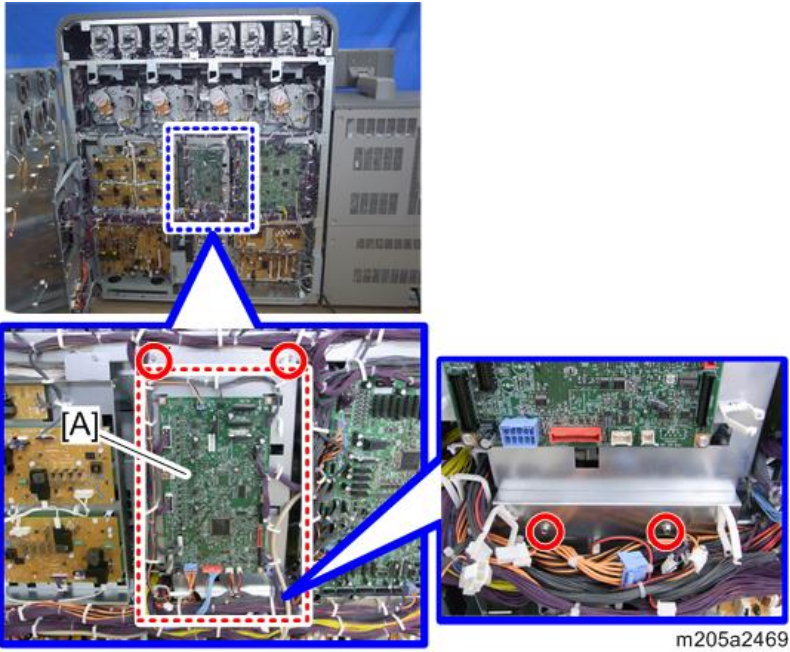


m205a1003

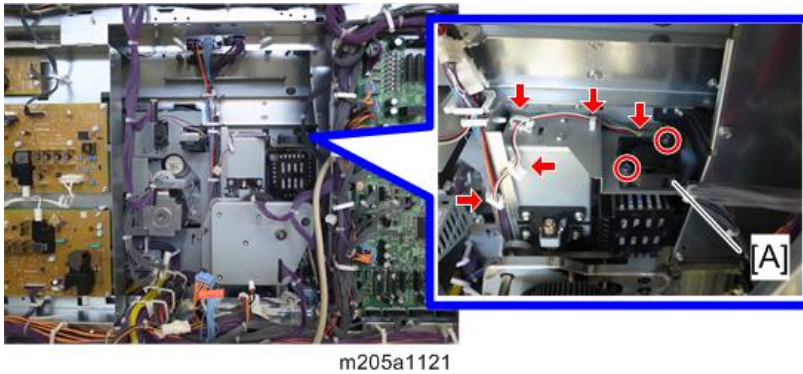
PTR Timing Motor Cooling Fan

1. Open the rear box. (page 691)

2. TDCU bracket [A] (🔩×4, 📦×ALL, 🛠️×ALL)



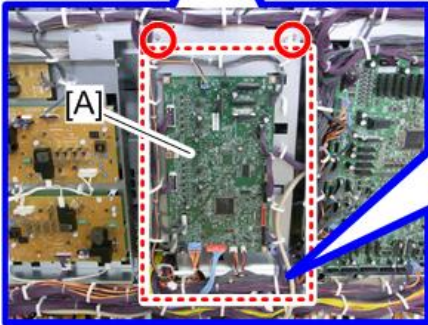
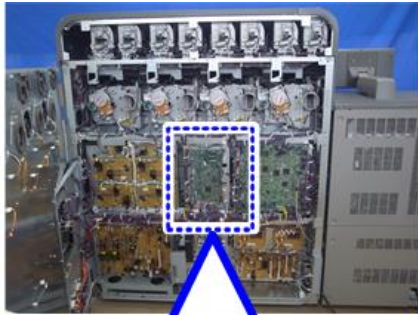
3. PTR timing motor cooling fan [A] (🔩×2, 📦×1, 🛠️×4)



Registration Timing Motor Fan

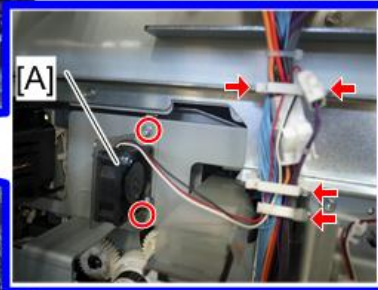
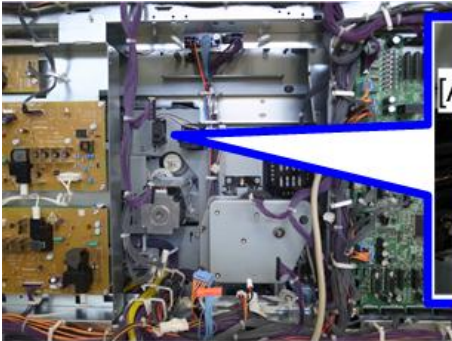
1. Open the rear box. (page 691)

2. TDCU bracket [A] (🔩×4, 📦×ALL, 🛠️×ALL)



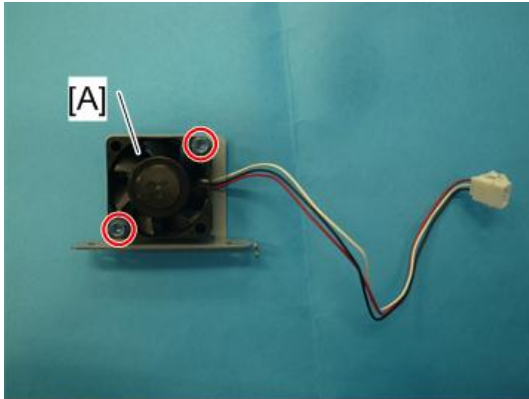
m205a2469

3. Fan bracket [A] (🔩×2, 📦×1, 🛠️×3)



m205a1124

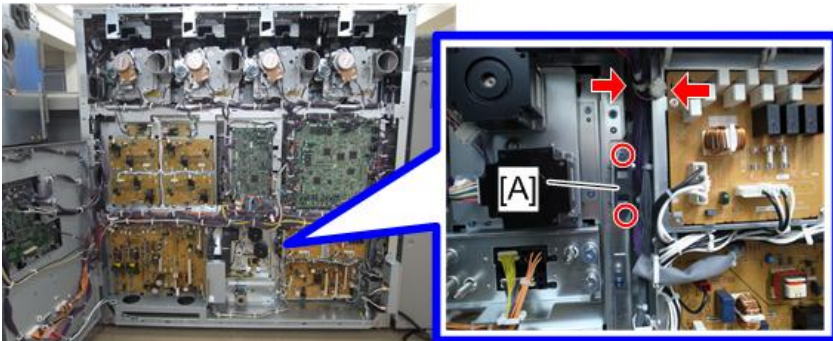
4. Registration timing motor fan [A] (🔩 x2)



m205a1125

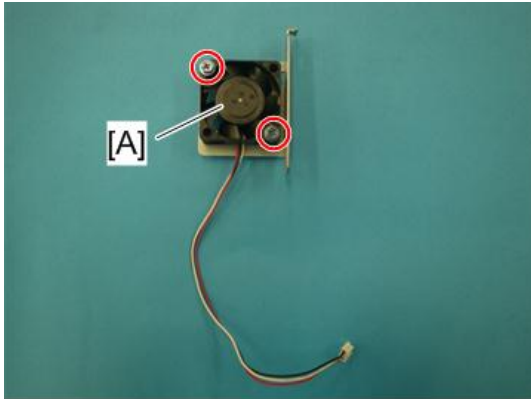
Paper Transport Motor Fan (Tray 1)

1. Open the rear box. (page 691)
2. Fan bracket [A] (🔩 x2, 📦 x1, 🛠️ x1)



m205a1143

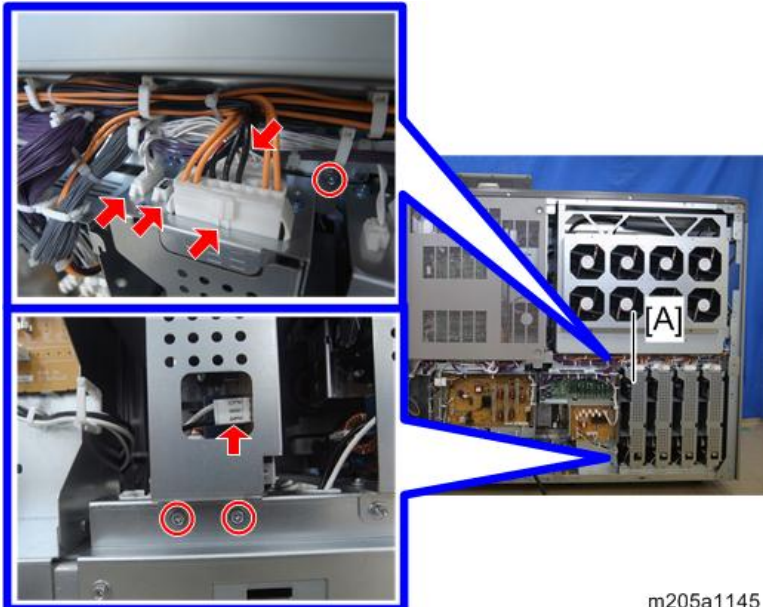
3. Paper transport motor fan (tray 1) [A] (🌀x2)



m205a1144

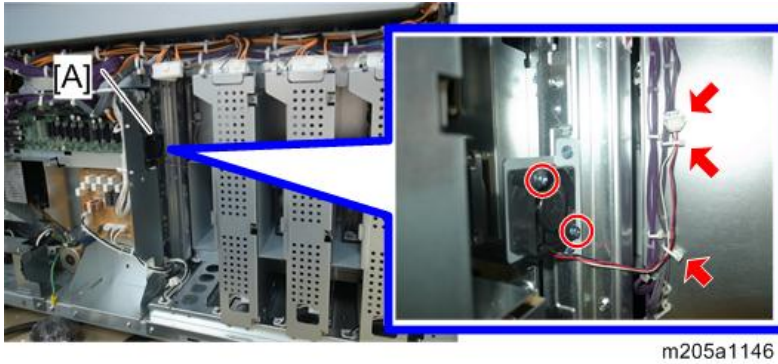
Paper Transport Motor Fan (Tray 2)

1. Duct cover (fusing section) (page 700)
2. Rear lower cover (fusing section) (page 701)
3. PSU 6 bracket [A] (🌀x3, 📦x5)



m205a1145

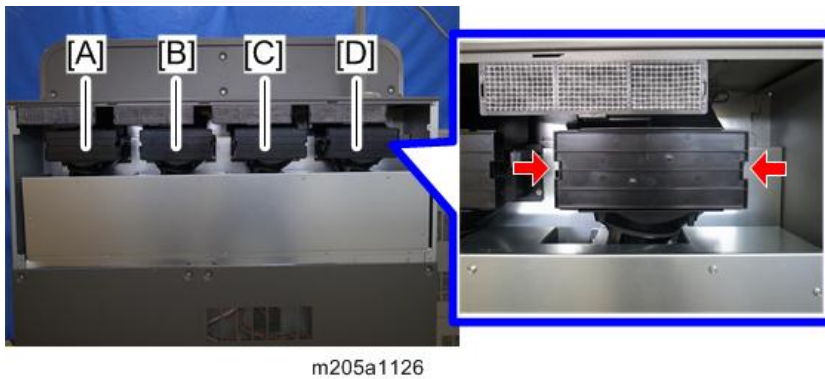
4. Paper transport motor fan (tray 2) [A] (⊗×2, ⊕×1, ⊗×2)



4

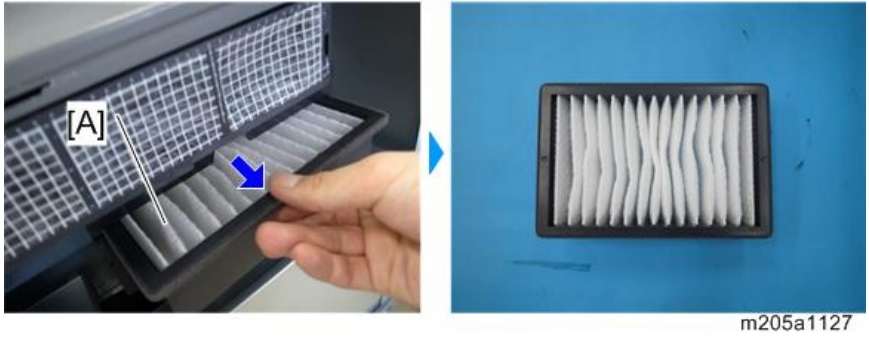
Dust Filter

1. Rear box upper cover (page 693)
2. Disconnect the hooks on the left and right side of the dust filter cover to remove it.



- [A]: Dust filter (K)
- [B]: Dust filter (C)
- [C]: Dust filter (M)
- [D]: Dust filter (Y)

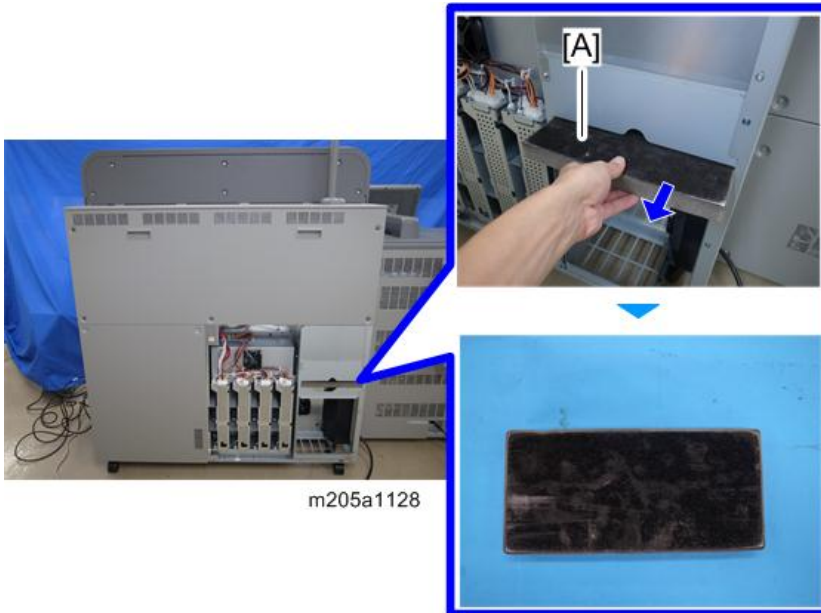
3. Dust filter [A]



4

Ozone Filter

1. Rear box right lower cover (page 695)
2. Ozone filter (front) [A]



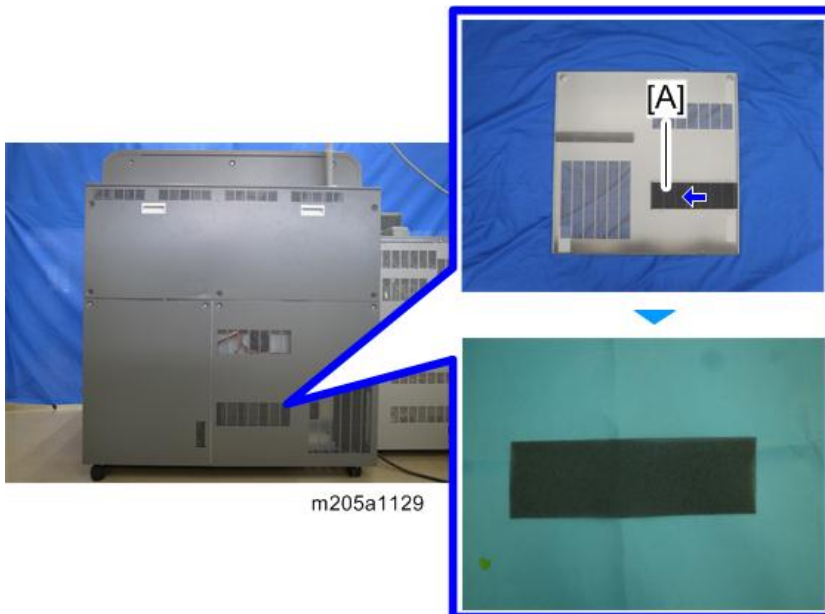
3. Ozone filter (rear) [A]



PSU Filter (Imaging Section)

4

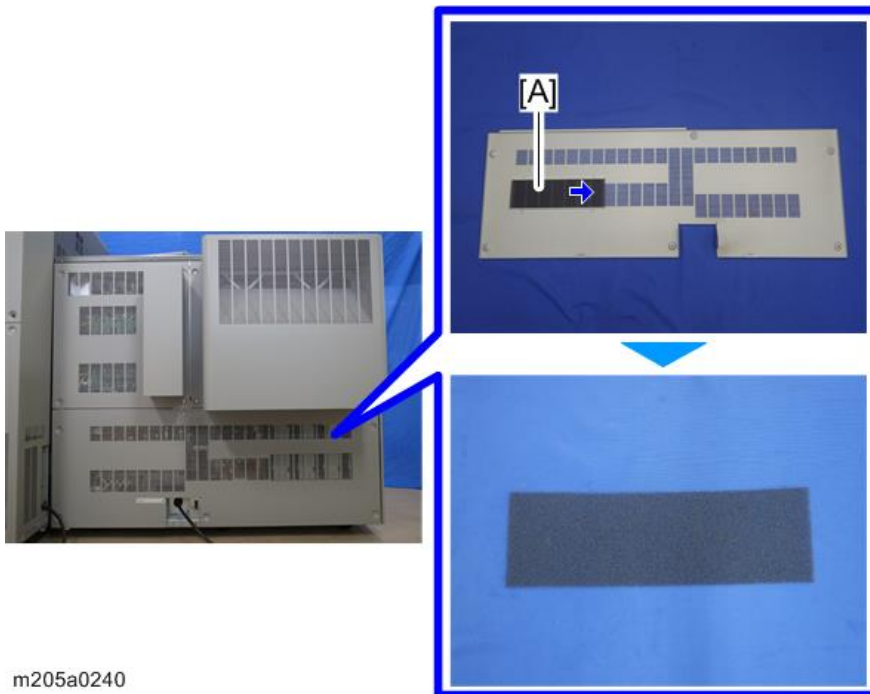
1. Rear box right lower cover (page 695)
2. Turn over the removed rear right lower cover, and then remove the PSU filter (imaging section) [A].



PSU Filter (Fusing Section)

1. Rear lower cover (fusing section) (page 701)

1. Turn over the removed rear upper left cover, and then remove the PSU filter (fusing section) [A].



m205a0240

Controller Filter

1. Rear box left lower cover (page 694)

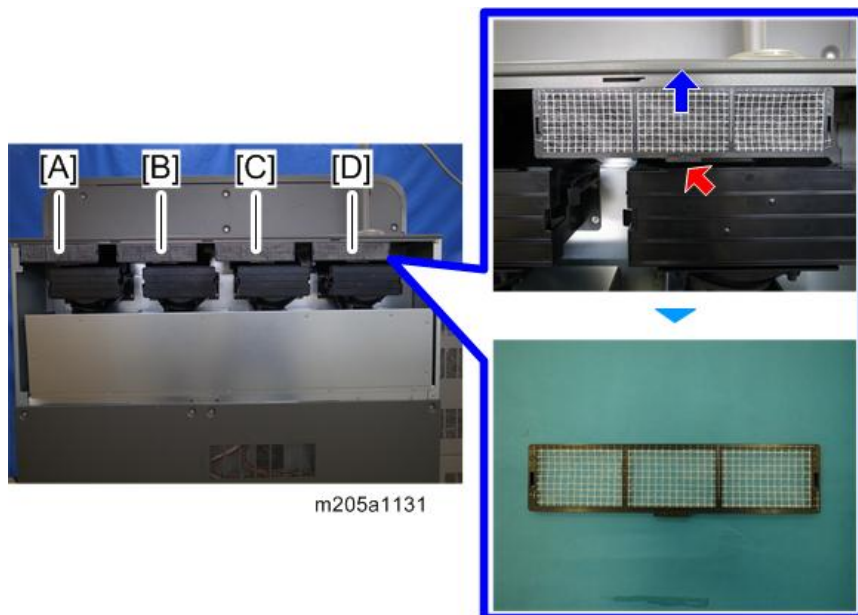
2. Controller filter [A]



Development Filter

1. Rear box upper cover (page 693)

2. Disconnect the hook on the bottom of the development filter, and then slide the development filter upward to remove it.

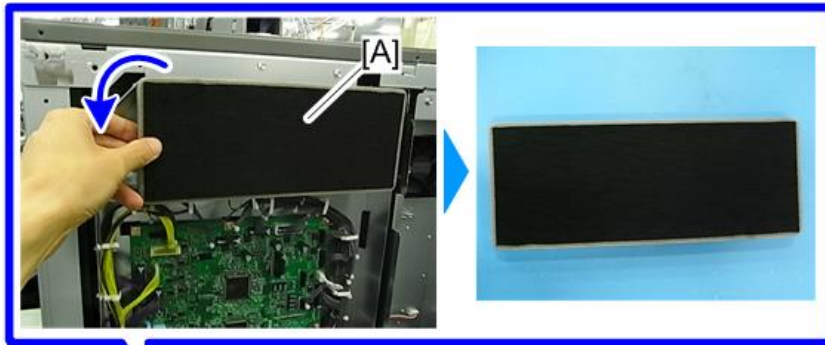


- [A]: Development filter (K)
- [B]: Development filter (C)
- [C]: Development filter (M)
- [D]: Development filter (Y)

VOC Filters

1. Rear upper left cover (fusing section) (page 699)

2. Remove the VOC filter (upper) [A] from the IOB bracket.

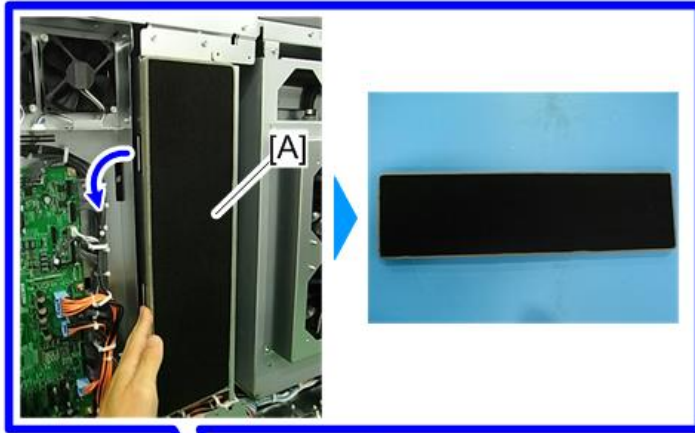


m205a0217

↓ Note

- When removing the VOC filter (upper), pull it out from the cutout at the left side of the VOC filter (upper).

3. Remove the VOC filter (right) [A].



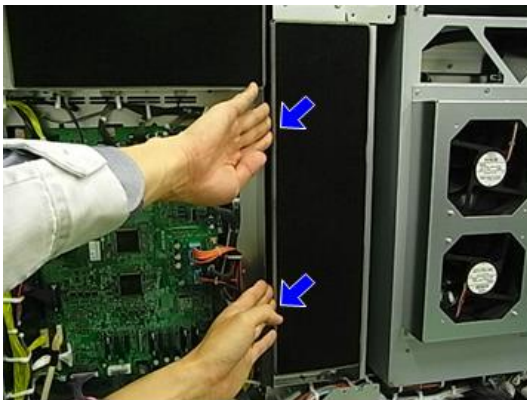
4



m205a0219

↓ Note

- When removing the VOC filter (right), pull it out from the two cutouts at the left side of the VOC filter (right).



m205a0238

Image Adjustment

Adjusting the Image Position on Side 1

If custom paper is used

Do the following procedures in this order:

- (a) Adjust the image skew
- (b) Adjust the image position (If custom paper is used)
- (c) Adjust the magnification (Across the feed direction)
- (d) Adjust the magnification (With the feed direction)

If custom paper is not used

Do the following procedures in this order:

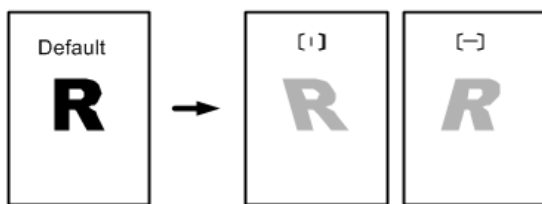
- (a) Adjust the image skew
- (e) Adjust the image position (If custom paper is not used)

Note

- You cannot adjust the vertical magnification and horizontal magnification of a paper type that is not registered as custom paper. Therefore, it is recommended to pre-register the type of paper in use as a custom paper.
- If it is difficult to check and adjust the image position on the printed sheet, print one side of the format used in page 1453 "Using a Template to Align the Image Positions on Sides 1 and 2".

(a) Adjust the image skew

Adjust the vertical position of the print image.



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1. Print the image in black and white.
2. Check the direction of the skew.

3. In the 01: [Machine: Image Position] group of the [Adjustment Settings for Skilled Operators] menu, select 0107: [Perpendicularity Adjustment] and adjust the value.

Move the cursor to [+] to skew the image counterclockwise or to [-] to skew it clockwise.

4. Print the image in black and white again. Check the image skew. If the problem persists, increase the value slightly.

5. Execute color registration.

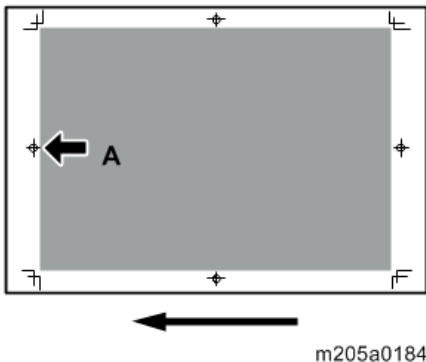
Press the [User Tools] key, and then press [Maintenance] > [Color Registration]. Press [OK] to execute color registration. In executing color registration, the black adjustment will also be applied to cyan, magenta, and yellow.

Note

- In 0107: [Perpendicularity Adjustment], you cannot individually adjust the image position on sides 1 and 2. The adjustment made in 0107 affects the images on both sides.

(b) Adjust the image position (If custom paper is used)

Adjust the vertical and horizontal image position so that the center (A) of the leading edge of the image is aligned with the registration mark added to the image.

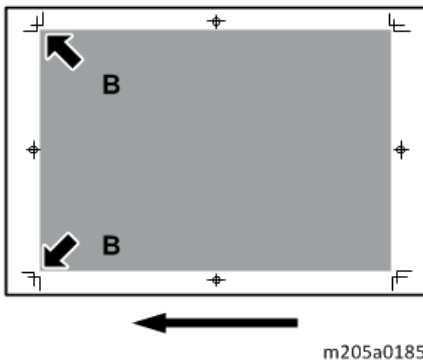


In [Advanced Settings] for the custom paper, adjust the image position.

- 001: [Adj Image Position of Side1 Across Feed]
- 003: [Adj Image Position of Side1 With Feed]

(c) Adjust the magnification (Across the feed direction)

Adjust the horizontal magnification to adjust the width between the front (B) and back corners (B) on the leading edge of the image.

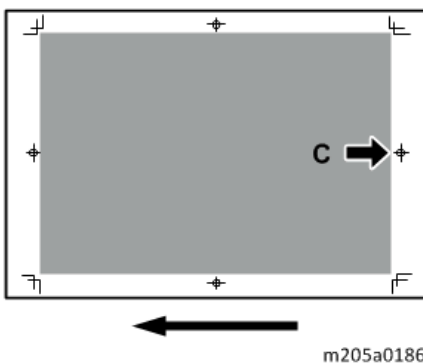


In [Advanced Settings] for the custom paper, adjust the value in 005: [Adj Magnification of Side 1 Across Feed].

Press [+] to increase the magnification and [-] to reduce it.

(d) Adjust the magnification (With the feed direction)

Adjust the vertical magnification to adjust the length (position of C) of the image.

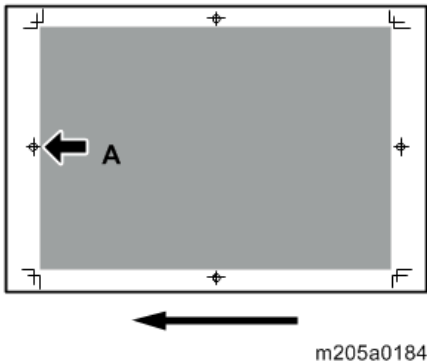


In [Advanced Settings] for the custom paper, adjust the value in 007: [Adj Magnification of Side 1 With Feed].

Press [+] to increase the magnification and [-] to reduce it.

(e) Adjust the image position (If custom paper is not used)

Adjust the vertical and horizontal image position so that the center (A) of the leading edge of the image is aligned with the registration mark added to the image.



In the 01: [Machine: Image Position] group of the [Adjustment Settings for Skilled Operators] menu, adjust the image position.

- 0101: [Adjust Image Position Across Feed Direction]
- 0102: [Adjust Image Position With Feed Direction]

Adjusting the Image Position on Side 2

If you want to align an image position on Side 2 with an image on Side 1 that has been adjusted, see page 1453.

If custom paper is used

Do the following procedures in this order:

- Adjust the image skew
- Adjust the image position (If custom paper is used)
- Adjust the magnification (Across the feed direction)
- Adjust the magnification (With the feed direction)

If custom paper is not used

Do the following procedures in this order:

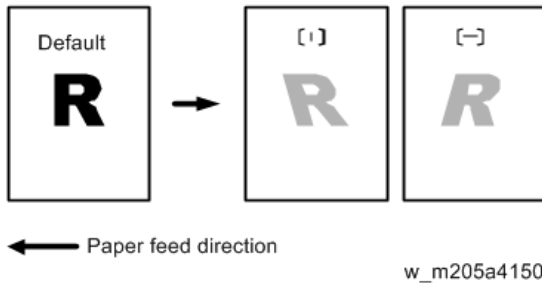
- Adjust the image skew
- Adjust the image position (If custom paper is not used)

Note

- You cannot adjust the vertical magnification and horizontal magnification of a paper type that is not registered as custom paper. Therefore, it is recommended to pre-register the type of paper in use as a custom paper.
- If it is difficult to check and adjust the image position on the printed sheet, print the template used in page 1453.

(a) Adjust the image skew

Adjust the vertical position of the print image.



1. Print the image in black and white.
2. Check the direction of the skew.
3. In the 01: [Machine: Image Position] group of the [Adjustment Settings for Skilled Operators] menu, select 0107: [Perpendicularity Adjustment] and adjust the value.
Move the cursor to [+] to skew the image counterclockwise or to [-] to skew it clockwise.
4. Print the image in black and white again. Check the image skew. If the problem persists, increase the value slightly.
5. Execute color registration.

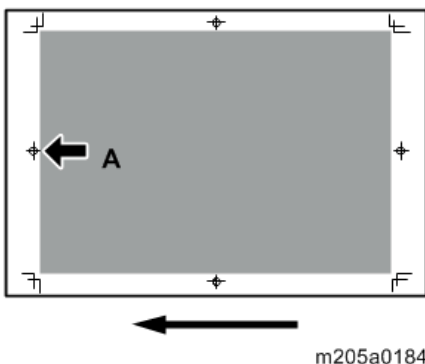
Press the [User Tools] key, and then press [Maintenance] > [Color Registration]. Press [OK] to execute color registration. In executing color registration, the black adjustment will also be applied to cyan, magenta, and yellow.

Note

- In 0107: [Perpendicularity Adjustment], you cannot individually adjust the image position on sides 1 and 2. The adjustment made in 0107 affects the images on both sides.

(b) Adjust the image position (If custom paper is used)

Adjust the vertical and horizontal image position so that the center (A) of the leading edge of the image is aligned with the registration mark added to the image.

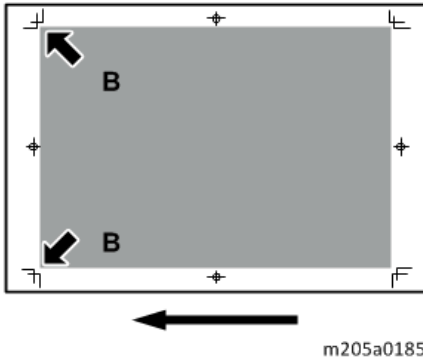


In [Advanced Settings] for the custom paper, adjust the image position.

- 002: [Adj Image Position of Side2 Across Feed]
- 004: [Adj Image Position of Side2 With Feed]

(c) Adjust the magnification (Across the feed direction)

Adjust the horizontal magnification to adjust the width between the front (B) and back corners (B) on the leading edge of the image.

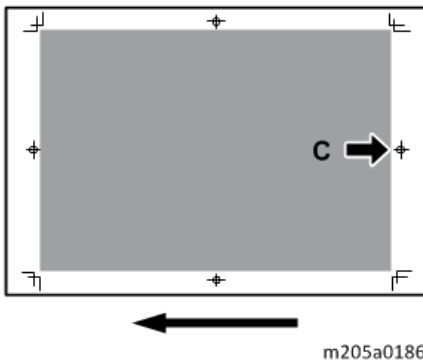


In [Advanced Settings] for the custom paper, select 006: [Adj Magnification of Side2 Across Feed].

Press [+] to increase the magnification and [-] to reduce it.

(d) Adjust the magnification (With the feed direction)

Adjust the vertical magnification to adjust the length (position of C) of the image.

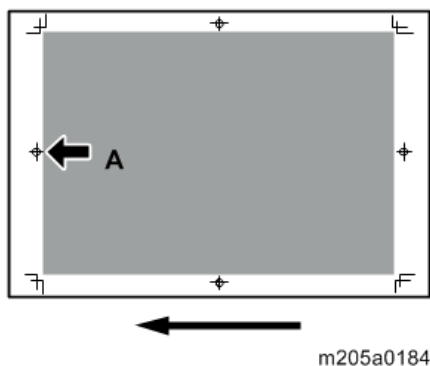


In [Advanced Settings] for the custom paper, select 008: [Adj Magnification of Side2 With Feed].

Press [+] to increase the magnification and [-] to reduce it.

(e) Adjust the image position (If custom paper is not used)

Adjust the vertical and horizontal image position so that the center (A) of the leading edge of the image is aligned with the registration mark added to the image.



In the 01: [Machine: Image Position] group on the [Adjustment Settings for Skilled Operators] menu, adjust the image position.

- 0101: [Adjust Image Position Across Feed Direction]
- 0102: [Adjust Image Position With Feed Direction]

Using a Template to Align the Image Positions on Sides 1 and 2

This section explains how to adjust settings so that the images on both sides are aligned when duplex printing.

First, print the template and measure the lengths of the specified parts. By inputting the measured lengths into the machine, you can adjust the image position automatically.

It is necessary to specify the settings for each paper size being used. The adjusted settings are stored as custom paper presets and can be applied again in the future.

To adjust the image position, the machine administrator privilege is required.

Preparation

Before adjusting image positions, perform the following:

1. Prepare the template file.

The templates for each paper size are included as PDF files on the CD-ROM provided with this machine.

Paper size of PDF file templates

A3 SEF, A4 SEF/LEF, B4 SEF, B5 SEF/LEF, DLT SEF, Legal SEF, Letter SEF/LEF, Government LG SEF, 8K SEF, 16K SEF/LEF, 12×18 SEF, 13×19.2 SEF, 13×19 SEF, 13×18 SEF, SRA3 SEF, SRA4 SEF/LEF

Unsupported paper types

- Index paper, tracing paper, label paper, envelopes, magnetic paper, clear files

- No restrictions for paper thickness
2. Prepare a stainless steel ruler that is 500 mm or longer (with the scale in 0.5 mm divisions) and a magnifier (for measuring the format)
 3. Adjust the image position on Side 1. For details about adjusting the position, see page 1447.
 4. To adjust the following settings, pre-register the type of paper in use as a custom paper.

In [Advanced Settings] for the custom paper, set the value in the following settings to "0.000".

- 002: [Adj Image Position of Side2 Across Feed]
- 004: [Adj Image Position of Side2 With Feed]
- 006: [Adj Magnification of Side2 Across Feed]
- 008: [Adj Magnification of Side2 With Feed]

Printing and Measuring the Template

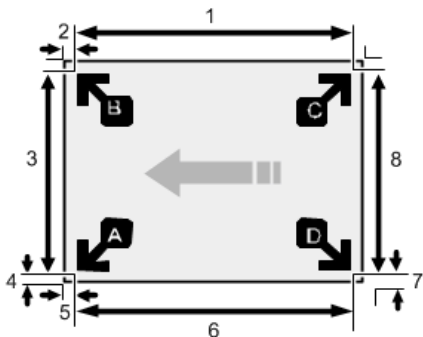
1. Using the computer and the machine, print the template that matches the size of the paper requiring image position adjustment.

Continuously print the template on both sides of 10 sheets.

2. Measure the lengths specified below on the 6th sheet of the printed copies of the template.

The template has arrows at 4 corners.

Using the ruler and magnifier, measure the length between each corner of the paper and the top of its adjoining arrow, and the lengths between the tops of arrows with the scale in 0.1 mm divisions.



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1. Length between the top of each arrow
2. Length between each corner and the top of its adjoining arrow
3. Length between the top of each arrow
4. Length between each corner and the top of its adjoining arrow

5. Length between each corner and the top of its adjoining arrow
 6. Length between the top of each arrow
 7. Length between each corner and the top of its adjoining arrow
 8. Length between the top of each arrow
3. Write the measured values within the framework of the format.

In total (including both sides of the sheet), measure 16 lengths.

↓ Note

- Depending on the paper size, the paper transport interval for the first 3-4 sheets and the last 3-4 sheets may differ from the sheets in the middle when performing continuous duplex printing. This causes a discrepancy in the extent of thermal contraction of the paper. Therefore, we recommend measuring the sheets in the middle when adjusting front/back registration for continuous printing. (When printing 10 sheets, the 6th sheet is considered as the final middle sheet.)

4

Entering the Values

When you input the lengths of the template after measuring them, the values to adjust the image position are automatically calculated and applied.

1. In [Advanced Settings] for the custom paper, select [Registration to Align Front and Back Images Using Template].
2. Enter the values you wrote on the printed template.

Select the item, enter the value using the number keys, and then press [#].

You can enter values from 0.1 to 999.9 mm in 0.1-mm increments.



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3. Press [OK].
4. Press [Exit].
5. Press [OK].

6. Press [Overwrite].
7. Press [Yes].
8. Press [Exit].

Checking the Adjustment Results

1. Print the template that matches the size of the paper requiring image position adjustment. Continuously print the template on both sides of 10 sheets.
2. Using the 6th sheet of the printed copies, check whether any registration errors occur on the front and back of the paper.
 - When using thin paper, check for registration errors by looking through the paper.
 - When using thick paper or paper that cannot be seen through, pierce the paper with a sharp-pointed tool such as an eyeleteer and check for registration errors.

4

Eliminating registration errors on the front and back of the paper

Adjust the image position and magnification on Side 2 to match those on Side 1.

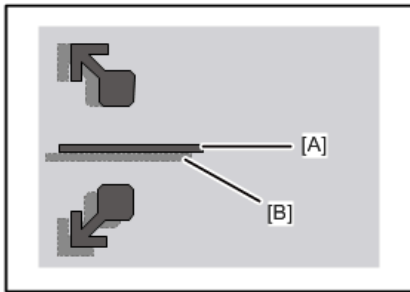
Adjustment Method

1. Print the template that matches the size of the paper requiring image position adjustment. Continuously print the format on both sides of 10 sheets.
Use the 6th sheet of the printed copies for the adjustment.
2. In [Advanced Settings] for the registered custom paper preset, adjust the following settings to match the image position on Side 1.
 - 002: [Adj Image Position of Side2 Across Feed]
 - 004: [Adj Image Position of Side2 With Feed]
 - 006: [Adj Magnification of Side2 Across Feed]
 - 008: [Adj Magnification of Side2 With Feed]

Adjusting the image position in the vertical and paper feed directions

Across the feed direction

Adjust the center line [A] on Side 2 to match the center line [B] on Side 1

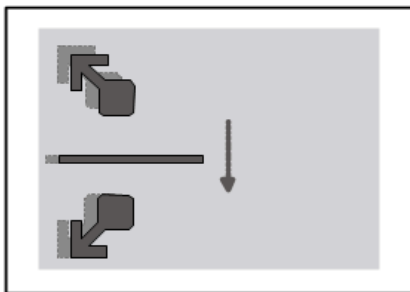


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In [Advanced Settings] for the custom paper, select 002: [Adj Image Position of Side2 Across Feed].

Press [+] to shift the image towards the top.

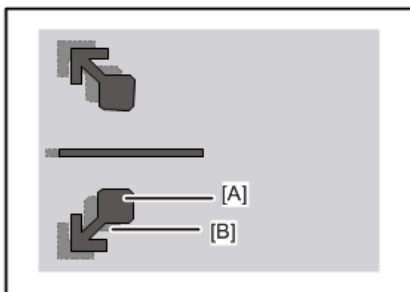
Press [-] to shift the image towards the bottom.



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With the feed direction

Adjust the image [A] on the leading edge of the paper on Side 2 to match the corresponding image [B] on Side 1

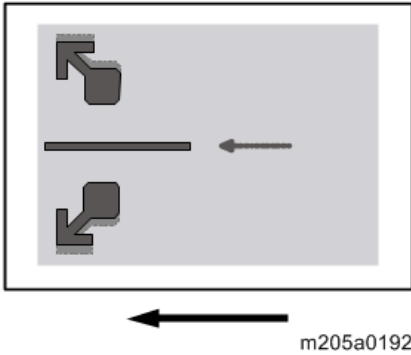


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In [Advanced Settings] for the custom paper, select 004: [Adj Image Position of Side2 With Feed].

Press [+] to shift the image towards the left (trailing edge).

Press [-] to shift the image towards the right (leading edge).

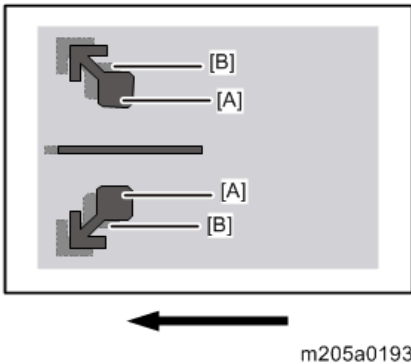


4

Adjusting magnification in the vertical and paper feed directions

Across the feed direction

Adjust magnification to match the length between the arrows [A] on the leading edge of the paper on Side 2 with the length between the arrows [B] on Side 1



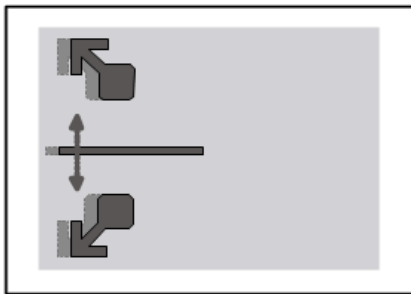
In [Advanced Settings] for the custom paper, select 006: [Adj Magnification of Side2 Across Feed].

Press [+] to increase the magnification.

Press [-] to reduce the magnification.

The adjustment value is applied evenly both upward and downward. The image is magnified with the reference point being at the center line as opposed to the top or bottom of the image.

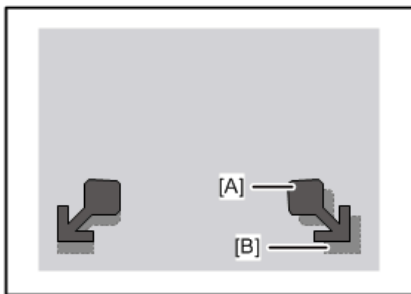
Example: If the paper is A3 SEF, increasing the value by 0.025 points moves the image by approximately 0.1 mm (0.004 inches).



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With the feed direction

Adjust magnification to match the position of the arrow [A] on the trailing edge of the paper on Side 2 with the position of the arrow [B] on Side 1



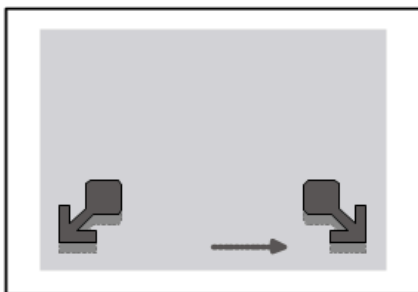
m205a0195

In [Advanced Settings] for the custom paper, select 008: [Adj Magnification of Side2 With Feed].

Press [+] to increase the magnification.

Press [-] to reduce the magnification.

Example: If the paper is A3 SEF, increasing the value by 0.025 points moves the image by approximately 0.07 mm (0.0028 inches).



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When to check for registration errors on the front and back of the paper

Check for registration errors on the front and back of the paper when:

- Using paper from a different lot, means of acquisition, or storage condition
- Changing an advanced fusing setting
- The machine's ambient temperature has changed drastically. For instance, the machine's adjustment values and settings are checked in summer but the machine is used in winter.
- Changing the paper size in a custom paper preset
- Registering a custom paper preset based on an already registered custom paper preset

5. System Maintenance Reference

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.

SP Tables

See "Appendices" for the following information:

- SP Mode Tables

5

Enabling and Disabling Service Program Mode

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.

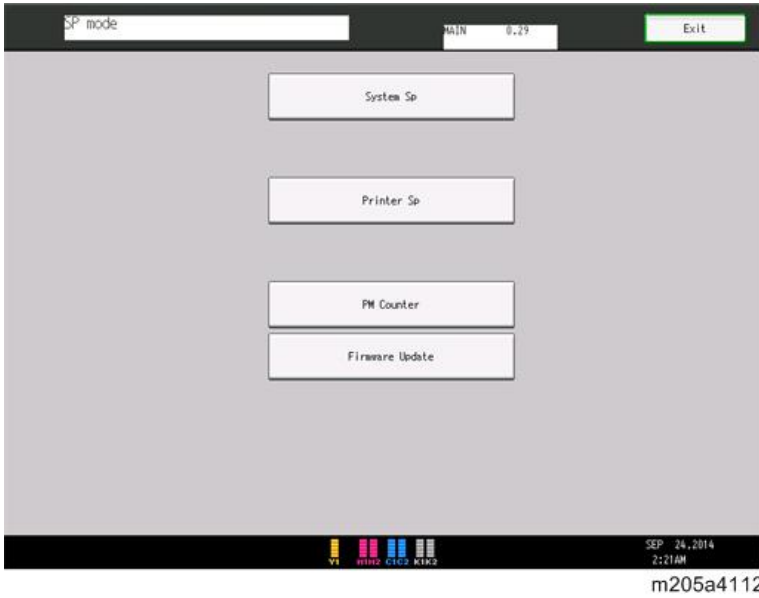
Exiting SP Mode

- Press "Exit" on the LCD twice to return to the application window.

Types of SP Modes

- System SP: SP modes related to the engine functions
- Printer SP: SP modes related to the controller functions

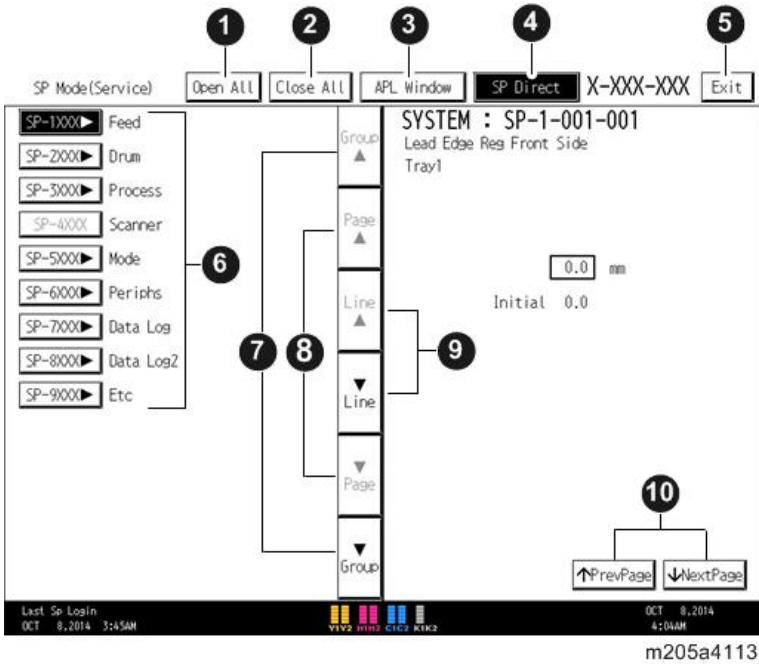
Select one of the Service Program modes (System, Printer) from the touch panel as shown in the diagram below after you access the SP mode. This section explains the functions of the System/Printer SP modes.



5

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 fiery menu screen so you can make test prints.
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 application 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.

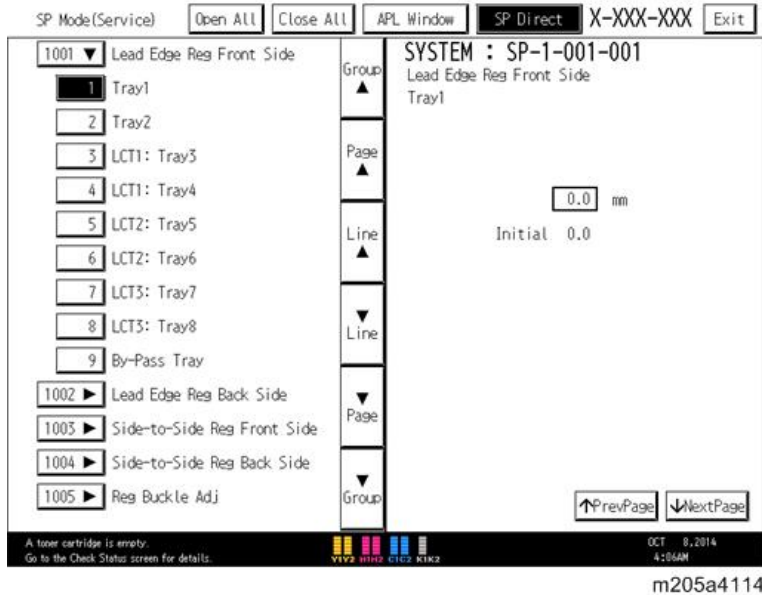
Switching Between SP Mode and Application Window for Test Printing

1. In the SP mode, select the test print. Then press "APL Window".
2. On the fiery menu screen, select the appropriate settings (paper size, etc.) for the test print.
3. Press [Start] key 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.



5

Note

- Refer to the Service Tables for the range of allowed settings.
- 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.
 - If you need to perform a test print, press [APL Window] to open the fiery menu screen and select the settings for the test print. Press [Start] key and then press SP Mode (highlighted) in the application window to return to the SP mode display.
 - Press Exit two times when you are finished.

Exiting Service Mode

Press the Exit key on the touch-panel.

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 power switch off and on. It is not necessary to ask the Administrator to log in again each time the main power switch 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 switch 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

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	Thick Paper 1: 52.3-63.0 g/m ² , 14.0-16.9lb. Thick Paper 2: 63.1-80.0 g/m ² , 17.0-21.0lb. Thick Paper 3: 80.1-105.0 g/m ² , 21.1-28.0lb. Thick Paper 4: 105.1-163.0 g/m ² , 28.1-43.0lb. Thick Paper 5: 163.1-220.0 g/m ² , 43.1-58.9lb. Thick Paper 6: 220.1-256.0 g/m ² , 59.0-68.0lb. Thick Paper 7: 256.1-300.0 g/m ² , 68.1-80.0lb. Thick Paper 8: 300.1-350.0 g/m ² , 80.1-93.3lb. Thick Paper 9: 350.1-400.0 g/m ² , 93.4-106.9lb.
Paper Type	N: Normal paper MTH: Middle thick paper TH: Thick paper

Item	Description
Paper Feed Station	P: Paper tray B: By-pass 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 the 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 BCU board • *CTL: NVRAM on the controller board

Notation	What it means
SSP	This denotes a "Special Service Program" mode setting.

Test Pattern Printing

Printing Test pattern: SP2-109

Some of these test patterns are used for print image adjustments but most are used primarily for design testing.

↓ Note

- Do not operate the machine until the test pattern is printed out completely. Otherwise, SC will occur.

1. Enter the SP mode then select SP2-109-003 "Test Pattern".
2. Select test pattern for print from the list then press [OK].
3. To change the density of the test pattern, select the density with SP2-109-006 to 009, then press [#].

↓ Note

- If select "0" with SP2-109-006 to 009, the color adjusted so will not show up in the test pattern.

4. To print, touch [APL Window], then set settings within the following window for test print (paper size etc...).
5. Press "Start" key to start test print.
6. After checking test pattern, touch "SP Mode" on the LCD to return to SP mode display.
7. Reset all settings to the default values (SP2-109-003, SP2-109-006 to 009).
8. Exit SP mode.

No.	Pattern	No.	Pattern
0	None	15	Hound's Tooth Check1 Vertical
1	Vertical Line 1dot	16	Hound's Tooth Check2 Vertical
2	Vertical Line 2dot	17	Band Horizontal
3	Horizontal Line 1dot	18	Band Vertical
4	Horizontal Line 2dot	19	Checker Flag Pattern
5	Grid Vertical Line	20	Grayscale Vertical Margin
6	Grid Horizontal Line	21	Grayscale Horizontal Margin
7	Grid Pattern Small	22	Step Pattern 1dot
8	Grid Pattern Large	23	Step Pattern 2dot

No.	Pattern	No.	Pattern
9	Argyle Pattern Small	24	Stripe Pattern 1 dot
10	Argyle Pattern Large	25	Stripe Pattern 2 dot
11	Independent Pattern 1 dot	26	Full Dot Pattern
12	Independent Pattern 2 dot	27	None
13	Independent Pattern 4 dot	28	L Shape Pattern
14	Trimming Area	-	

Firmware Update

Overview

In order to update the firmware of this machine, it is necessary to download the latest version of firmware on a SD card. Insert the SD card in SD card slot 2.

Firmware type

Type of firmware (Message shown)	Function	Location of firmware
System	Operating system	Flash ROM on the controller board
Engine	Printer engine control	BCU Flash ROM
Web Support	Web Service application	Flash ROM on the controller board
NetworkDocBox	Feature application	Flash ROM on the controller board
animation	Animation image	Flash ROM on the controller board
Java VM	SDK application	Flash ROM on the controller board
Data Erase Ond	Data Overwrite	Flash ROM on the controller board
OpePanel	Panel control	Operation Panel
Finisher	Finisher program	Finisher

Procedure

★ Important

- A 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 on 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.
- Make sure that the machine is disconnected from the network to prevent a print job for arriving while the firmware update is in progress before you start the firmware update procedure.

Update procedure

1. First download the software to be updated to the SD card.
2. Switch the power OFF.
3. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



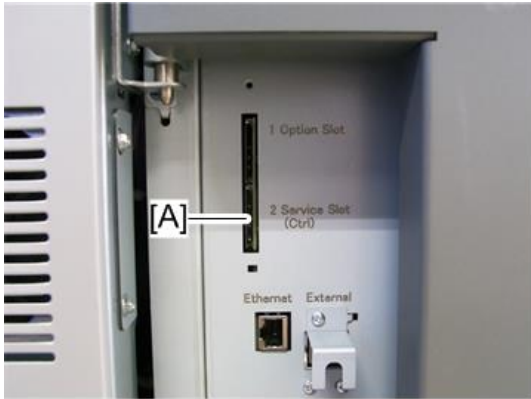
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4. Remove the SD card slot cover [A]. (🔧×1)



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5. Insert the SD card [A] straight in slot 2.



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Note

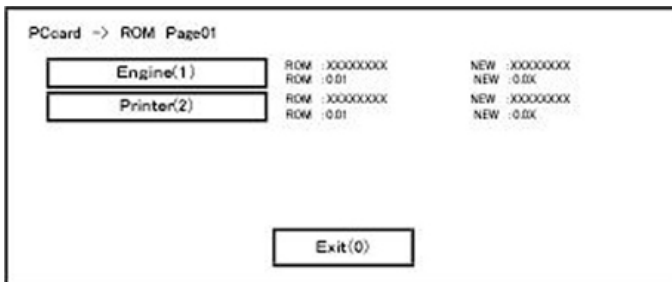
- Check whether the card is properly in the SD card slot. When a SD card is inserted, a click is heard, and it is locked.
- To remove the card, release by pressing once in the set state.

6. Switch the power ON.

7. Wait until the update screen starts (about 45 seconds).

When it appears, "Please Wait" is displayed.

8. Check whether a program installation screen is displayed. (English display) When two or more software modules are contained in the SD card, they are displayed as follows.



When two or more software names are displayed

1. Press the module selection button or 10 keypad [1] - [5].
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 [0]	Returns to normal screen.

Keys or buttons to press	Contents
[Start] Key	Select all modules.
[Clear/Stop] key	Cancel all selection states.

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:

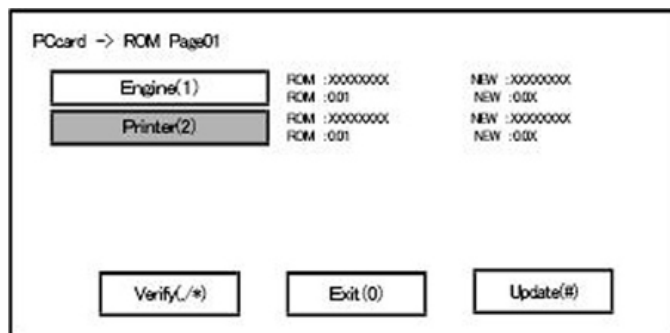
Display	Contents
ROM:	Display installed module number / version information.
NEW:	Display module number / version information in the card.

* The upper row corresponds to the module number, the lower row corresponds to the version name.

9. Select the module with the module selection button or 10 key operation. The selected module is highlighted, and [Verify] and [Update] are displayed.

Note

- Depending on the combination of update software, it may not be possible to select simultaneously.

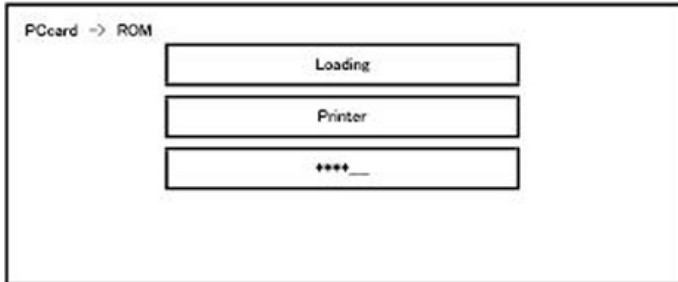


Key or button operations

Keys or buttons to press	Contents
[Update] or [#] key	Update the ROM of the selected module.
[Verify] button or [./*] key	Perform verification of the selected module.

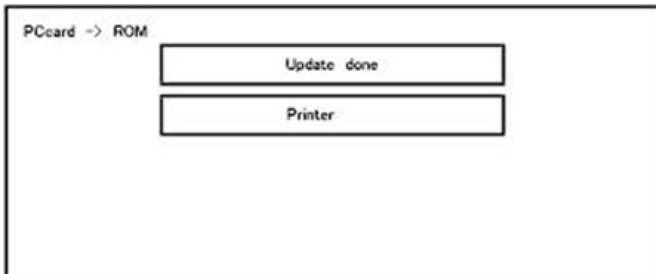
10. Press the [Update] or [#] key, and perform software update.

11. 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 is being updated)
- In the lower row, a progress bar is displayed in ten steps. (The more *, the more the progress.)
- When updating the control unit program, since progress cannot be displayed on the screen, the ROM update process is determined when the LED of the [Start] key changes from red to green.

Firmware update end screen



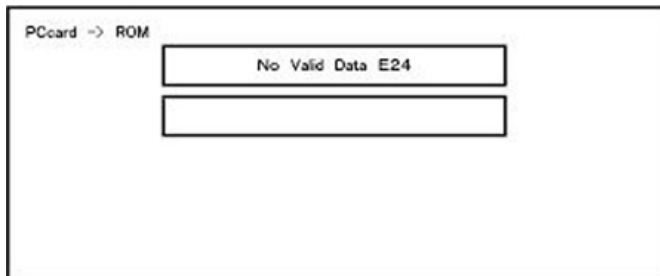
- This screen is displayed when all selected firmware modules are to be updated. "printer" in the second row shows that the module updated last is the printer. (When more than one are updated simultaneously, only what was updated last is displayed.)
- When Verify has completed normally, the Update done display of the above screen is "Verify done." If "Verify Error" is displayed, reinstall the software of the application displayed in the lower row.

12. After switching power OFF, remove the SD card.
13. Again, switch the power ON, and check whether the machine is operating normally.
14. Attach the SD card slot cover. (🔩 ×1)
15. Attach the controller cover. (🔩 ×2)

↓ 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.
- Web access card software: EXJS (EXtended Java Script) is a Type-C ESA application, and like a conventional Web access card, update using an sdk folder is required.
- 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 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.

(This error is generated if update was performed when a printer application startup card is removed after system startup. An error indicating failure of card access is displayed on the screen.)

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.

Code	Contents	Solutions
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	<p>The SD card used after download suspension is incorrect.</p> <p>SD cards are different between the one which was inserted before power interruption and the one which was inserted after power interruption.</p>	<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 if the update cannot be done after the correct SD card has been inserted. In this case, try again with a different SD card. • Replace the controller board if the above solutions do not solve the problem. Replace all relevant boards if the update is done for the BCU. Replace the operation panel unit if the update is done for the operation panel.
33	<p>Card version error.</p> <p>The wrong card version is downloaded.</p>	<ul style="list-style-type: none"> • Install the correct ROM update data for each version in the SD card.

Code	Contents	Solutions
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 BCU.
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 again. The SD card media is damaged if the update fails again. Replace the SD card media.

Code	Contents	Solutions
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.
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.
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].

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 v1.1 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

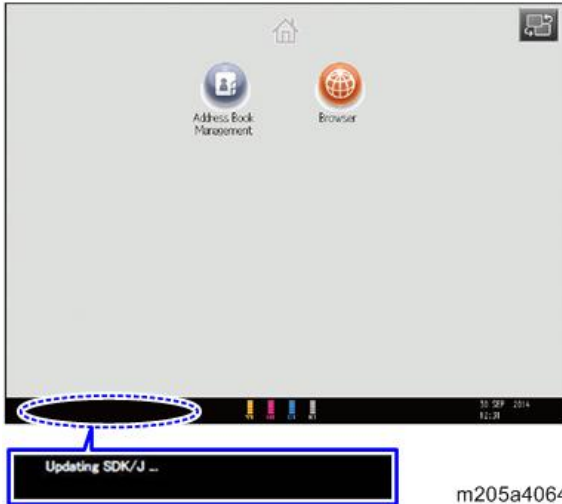
- When unzipping the downloaded file, two subfolders ("update" and "sdk") exist in the "sdk" folder. Rather than just copying the subfolder "sdk", copy the whole folder "sdk".

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 print application. ([System Settings]-[General Features]-[Function Priority])
 2. Insert the SD card you created into the service slot, and then turn ON the main power switch.

3. 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)



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4. When the update is complete, "Update SDK / J done SUCCESS" will 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.

5. Reconfigure the Heap size. ([Extended Feature Settings]-[Administrator Tools]-[Heap/ Stack Size Settings]).

See the manual for the ESA application to know what value to set for the heap size.

6. 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

Result	File contents	Description of the output
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=XXXXXX	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 can not uninstall it, implement escalation, stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."

Error Message	Cause	Remedy
<p>[file name: XX] error, No space left on device</p> <p>pasteCopy() - error : The destination directory cannot be made.</p> <p>pasteCopy() - error : fileCopy Error.</p> <p>Copy Error!</p>	<p>Writing destination is full. (The NAND flash memory on the controller board is full.)</p>	<p>Uninstall the unnecessary SDK applications.</p> <p>If you can not uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."</p>
<p>Put Error! *1</p>	<p>Error, not normally expected to occur</p>	<p>If you cannot uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."</p> <p>*1: Without the foregoing error message, only "Put Error / Copy Error" will be displayed</p>
<p>Copy Error! *1</p>		
<p>Delete Error!</p>		
<p>[XXXXX] is an unsupported command.</p>		
<p>Version Error</p>		

Updating the EXJS

To Update EXJS

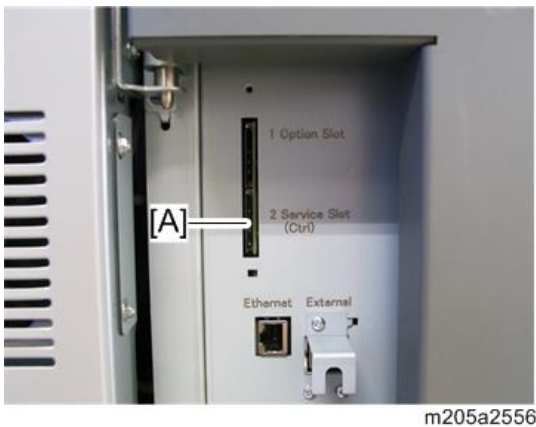
1. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



2. Remove the SD card slot cover [A]. (🔧×1)



3. Put the SD card containing the firmware to install in SD card slot 2 [A].



4. Turn on the main power switch.
5. Wait until the update screen starts.
6. When the update screen is displayed, select [browser], and press the [Update (#)] button.
7. When "Update done." is displayed, switch the power OFF, and remove the SD card from SD card slot 2.

<When updating Extension JavaScript, add the following steps>

8. Switch the power ON.
9. Press the [User Tools] key.
10. Press the [Extended Feature Settings] button.
11. Press the [Extended Feature Settings] button on the [Extended Feature Settings] screen.
12. Stop "Extended JS" on the "Startup Setting" condition with a tab.
13. Switch the power OFF.
14. Insert the Extended JavaScript upgrade SD card in SD card slot 2.
15. Switch the power ON.
16. Press the [User Tools] key.
17. Press the [Extended Feature Settings] button.
18. Press the [Extended Feature Settings] button on the [Extended Feature Settings] screen.
19. Press the [Install] tab.
20. Press [SD card], and select "Extended JS" from the list of extension functions.
21. Select [MFP hard disk] as the installation location, and press [Next].
22. After checking extension function information on the "Installation preparation complete" screen, press the [Enter] button.
23. "The following extension functions are already installed. The message "Overwrite extension function?" is displayed. Press the [Continue] button.
24. When installation is complete, the message "Extension function has been installed" is displayed. Press the [OK] button.
25. On the [Startup Setting] tab, set [Extended JS] to the startup standby state, and switch the power OFF.
26. Remove the SD card from SD card slot 2, and attach the SD card slot cover. (🔑×1)
27. Attach the controller cover. (🔑×2)
28. Switch the power ON.
29. Press the [User Tools] key.
30. Press the [Extended Feature Settings] button.
31. Press the [Extended Feature Settings] button on the [Extended Feature Settings] screen.

32. Check the version of [Extended JS] on the [Startup Setting] tab is the latest version.**↓ Note**

- If the power is ON before starting Step 1, switch the power OFF after first performing Steps 9-13, and perform Step 1 and subsequent steps. In that case, skip Steps 8-13. (This saves time.)
- If you do not plan to update Extension JavaScript, return the SD card slot cover and controller cover to the original position after performing Step 7.

When checking the version of EXJS

1. Switch the power ON.
2. Press the [User Tools] key.
3. Press the [Extended Feature Settings] button.
4. Press the [Extended Feature Settings] button on the [Extended Feature Settings] screen.
5. Check the version of [Extended JS] on the [Startup Setting] tab is the latest version.

↓ Note

- If checked apart from the above procedure (firmware version displayed in system default settings), a different version from the actual version may be displayed.

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 (SMC Print) before you switch the machine off. You will need a record of the NVRAM settings if the upload fails.

2. Switch the main power switch off.

3. Remove the controller cover [A] from rear side of the main machine. (🔧×2)



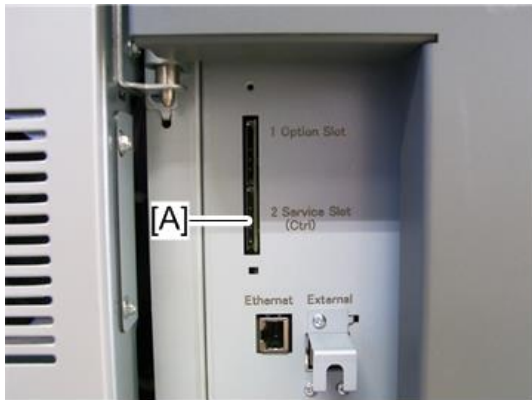
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4. Remove the SD card slot cover [A]. (🔧×1)



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5. Insert the SD card into SD slot 2 [A].



6. Turn on the main power switch.
7. Execute SP5-824-001 (NVRAM Data Upload) and then press the "Execute" key.
8. 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

9. In order to prevent an error during the download, be sure to mark the SD card that holds the uploaded data 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 BCU 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. Switch the main power switch off.

2. Remove the controller cover. (🔑 ×2)
3. Remove the SD card slot cover. (🔑 ×1)
4. Insert the SD card with the NVRAM data into SD slot 2.
5. Switch the main power switch on.
6. 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 total count data to the NVRAM:

UP/SP Data Import/Export

Overview

Import/export conditions

Import/export is possible between devices only if their model type, region of use, and the following device configurations match.

- Input Tray
- Output Tray
- Whether or not equipped with a finisher and the type of finisher

UP Data Import/Export

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Data that can be imported and exported

- Web Image Monitor Setting
- Web Service Settings
- System Settings
- Browser Features

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
- Settings that can be specified via telnet
- @Remote-related data
- Counters
- External printer unit settings

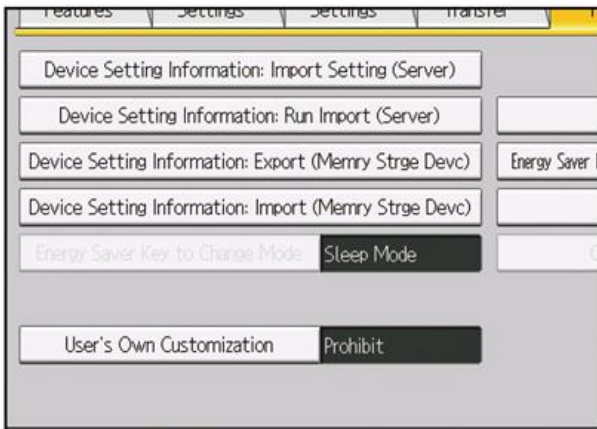
- Settings that can only be specified via Web Image Monitor or Web Service (for example, Bonjour, SSDP setting)

Exporting Device Information

This can be exported / imported by an administrator with all privileges.

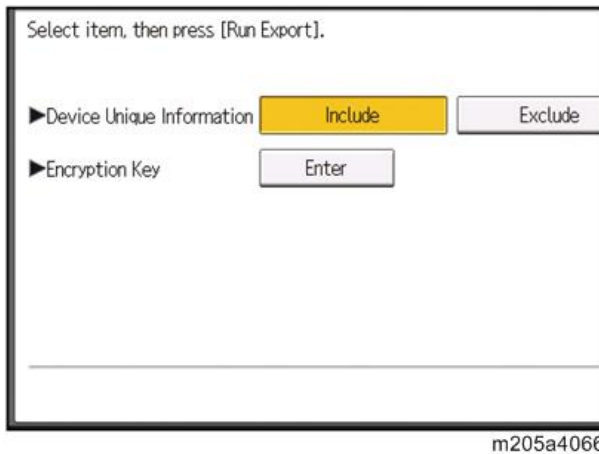
When exporting SP device information from the control panel, the data is saved on an SD card.

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. Press [System Settings].
4. Press [Administrator Tools].
5. Press [Next] three times.
6. Press [Device Setting Information: Export (Memry Strge Devc)].



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7. Set the export conditions.



- Specify whether to [Include] or [Exclude] the "Device Unique Information". "Device Unique Information" includes the IP address, host name, 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.

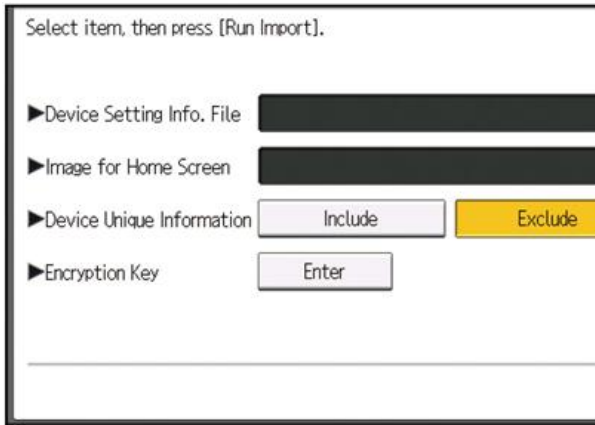
Importing Device Information

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. Press [System Settings].
4. Press [Administrator Tools].
5. Press [Next] three times.
6. Press [Device Setting Information: Import (Memory Storage Device)].

7. Configure the import conditions.



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- Press [Select] of the "Device Setting Info. File" to select the file(s) to import.
- When adding an image to a home screen, press [Select] for "Image for Home Screen", and then select the file.
- Specify whether to [Include] or [Exclude] the "Device Unique Information". "Device Unique Information" includes the IP address, host name, 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

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 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 / 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 Example: User name / User ID / Department code / Mail address / Phone number</p> <p>#3. Personal information Example: Document name / Image data</p> <p>#4. Sensitive information for the customer Example: MAC address / Network parameters</p>

* 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
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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*
```

w_d1825500

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.

Result Code	Cause	Solutions
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.	<p>The reason for the failure is logged in "NgCode". Check the code.</p> <p>Reason for the Error (Ng-Name)</p> <p>2. INVALID VALUE The specified value exceeds the allowable 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.

Address Book Export/Import

Export

Backup address book information on SD card formatted with the specified software.

1. Switch the power OFF.
2. Remove the controller cover [A] from rear side of the main machine. (🔩×2)



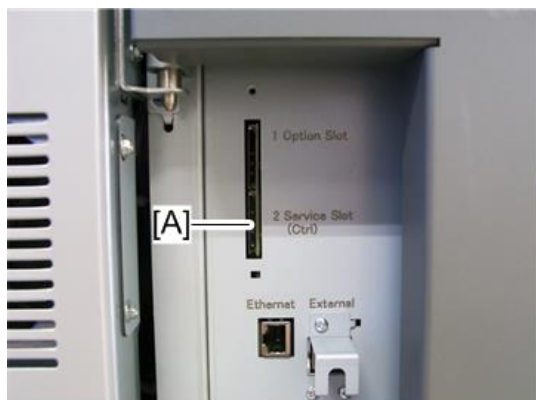
m205a0328

3. Remove the SD card slot cover [A]. (🔩×1)



m205a0329

4. Insert the SD card in the service slot [A].



m205a2556

5. Switch the power ON.
6. Execute SP5-846-051 full address book backup.
7. Switch the power OFF.
8. Attach the SD card slot cover. (🔑×1)
9. Attach the controller cover. (🔑×2)

↓ Note

- When local user information to be uploaded is not contained in the SD card, an execute malfunction is displayed. It cannot be used in the write-protect state.
- Since the address book is the customer's information, take care about handling it, and never bring it back.

Import

1. Switch the power OFF.
2. After removing the controller cover and SD card slot cover of the controller unit, set the SD card in the service slot.
3. Switch the power ON.
4. Execute SP5-846-052 (address book information restore).
5. Switch the power OFF.
6. Remove the SD card.
7. Attach the SD card slot cover. (🔑×1)
8. Attach the controller cover. (🔑×2)
9. Switch the power ON, and check that the address book has been restored.

Note

- User code counter information is initialized.
- Administrator and supervisor information is not backed up. Also, it is not erased during restore.
- If a download file does not exist, or if erasure is complete, execution malfunction is displayed.

Specification

The information which can be exported /imported is the following items.

- Entry information
- User code information
- Group information
- Title information
- Title position information
- Local authorization
- Account ACL information

Capturing the Debug Logs

Overview

With this feature, you can save debug logs that are stored in the machine (HDD, operation panel) on an SD card. It allows the Customer Engineer to save and retrieve error information for analysis.

The Capturing Log feature saves debug logs for the following three.

- Controller debug log
- Engine debug log
- Debug log of the operation panel

★ 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 debug log.
- However, this new feature saves the debug logs at the time that problems occur. Then you can copy the logs to an SD card.
- You can retrieve the debug logs using a SD card without a network.
- Analysis of the debug log is effective for problems caused by the software. Analysis of the debug log is not valid for the selection of defective parts or problems caused by hardware.

Types of debug logs that can be saved

Type	Storage Timing	Destination (maximum storage capacity)
Controller debug log (GW debug log)	<ul style="list-style-type: none"> • Saved at all times 	HDD (4 GB) Compressed when written to an SD card from the HDD (from 4 GB to about 300 MB)
Engine debug log	<ul style="list-style-type: none"> • When an engine SC occurs • When paper feeding/output stop by jams • When the machine doors are opened during normal operation 	HDD (Up to 300 times)

Type	Storage Timing	Destination (maximum storage capacity)
Operation panel debug log	<ul style="list-style-type: none"> • When a controller SC occurs • When saving by manual operation with the Number keys and the Reset key (Press "Reset", "0", "1" and "C" (hold for 3 seconds)) • When the operation unit detects an error • When the operation panel detects an error 	<p>Operation panel (400 MB /Up to 30 times)</p> <p>When updating the firmware for the operation panel, the debug logs are erased.</p>

Note

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- Debug 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 debug log in shutdown
- When the power supply to the HDD is off because of energy saving (engine OFF mode /STR mode)

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

Also the following operation logs are not saved.

- Number keys (0 to 9) on the operation panel
- Soft keyboard on the touch panel display
- External keyboard

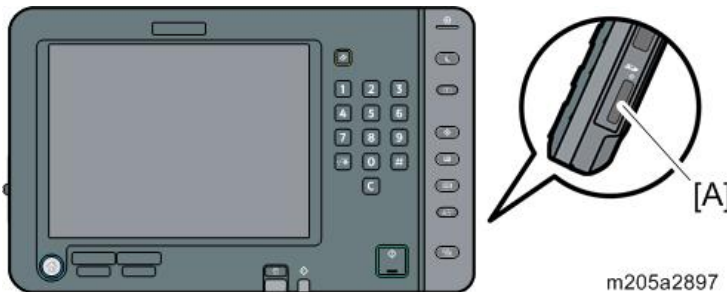
Retrieving the Debug Logs

★ Important

- Retrieve debug 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.
- You need to retrieve the debug logs dating back three days from the date of the problem.
- Analysis of the debug log is effective for problems caused by the software. Analysis of the debug log is not valid for the selection of defective parts or problems caused by hardware.

Procedure for Retrieving the Debug Log

1. Insert the SD card into the SD card slot [A] on the side of the operation panel.



★ Important

- It is recommended to use the SD card provided as a service part. This is because the log data can be acquired much faster than when using commercially available SD cards.

2. Enter SP mode.
3. Set the start date of the log with SP5-857-101 (Start date of debug log output)
e.g.: March 28, 2013: input 20130328 (yyyymmdd)

↓ Note

- Set the date three days earlier than the occurrence of the problems.

4. Set the end date of the log with SP5-857-102 (End date of debug log output)
e.g.: March 31, 2013: input 20130331 (yyyymmdd)
5. Execute SP5-857-103 (Get a debug log of all) to write the debug log to the SD card.
 - SP5-857-104 gets the controller debug log (GW debug log)
 - SP5-857-105 gets the engine debug log
 - SP5-857-107 gets the operation panel debug log

If the transfer is finished successfully, 'completed' is displayed on the touch panel display.

6. Make sure that the SD card access LED lights, and then remove the SD card.

Note

- If 'failed' appears on the touch panel display, turn the main power switch off, and then recover from step 1 again.

The debug logs are saved with the following file names.

Controller debug log (GW debug log)	/LogTrace/machine number/watching/yyyymmdd_hhmmss_unique identification number.gz
Engine debug log	/LogTrace/machine number/engine/yyyymmdd_hhmmss.gz
Operation panel debug log	/LogTrace/machine number/opepanel/yyyymmdd_hhmmss.tar.gz

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Approximate Time to Transfer the Debug Log

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. (It is recommended that you format the SD card using the Panasonic SD Formatter (freeware)).

- Controller debug log (GW debug log): 2 - 20 minutes
- Engine debug log: 2 minutes
- Operation panel debug log: 2 - 20 minutes

Approximate time display

When getting debug logs by using an SD card, the following SP display the approximate time on the operation panel.

SP	Descriptions
Get All Debug Logs Time Disp (SP5-857-151)	Displays the approximate time for all debug logs. <ul style="list-style-type: none"> • Controller debug log • Engine debug log • Operation panel debug log • SMC
Get Controller Debug Logs Time Disp (SP5-857-152)	Displays the approximate time for the controller debug log.

SP	Descriptions
Get Engine Debug Logs Time Disp (SP5-857-153)	Displays the approximate time for the engine debug log.
Get Opepanel Debug Logs Time Disp (SP5-857-154)	Displays the approximate time for the operation panel debug log.
Get SMC Time Disp (SP5-857-155)	Displays the approximate time for the SMC.

Error Code

If the approximate time cannot be displayed, a negative value appears on the operation panel. The meaning of the value is as follows.

time	Descriptions
-1min	An error other than -2, -3 or -4min has occurred.
-2min	There is no SC card in the operation panel SD card slot or service slot.
-3min	A write protected SC card is inserted.
-4min	SP5-857-101 (Debug Logging Start Date) is set to a date in the future after the Debug Logging Output End Date (SP5-857-102).

Capturing the Engine Debug Log

Overview

It may be necessary to capture the engine debug log in order to conduct analysis for problems with the machine or peripherals. There are 2 methods for capturing the engine debug log at the machine. Features of each method are described below.

1. Capturing Log Function

Save Timing	Maximum Capture Period	Use
<ul style="list-style-type: none"> When an engine SC occurs When paper feeding/output stop by jams When the machine doors are opened during normal operation <p>At the timing described above, a log from about 10 previous pages is automatically saved to the HDD.</p>	HDD (Up to 300 times)	<p>Capturing an after-the-fact log for SC and jams.</p> <p>See page 1501 "Capturing the Debug Logs" for detailed procedure.</p>

↓ Note

- Saving is automatically performed when SC or jams occur. Therefore, no advance preparation is required and an after-the-fact log can be acquired. However, the log does not provide information on errors other than SC and jams, nor does it provide information on SC/jams which occurred more than 10 pages previously. In such cases, it is necessary to acquire a log using the Service Slot Board (Service Option) method.

2. Service Slot Board (Service Option)

Save Timing	Maximum Capture Period	Use
A log is continuously saved when an SD card is inserted.	Approx. 10 days for an 8GB SD card (assuming about 8 hours of use per day)	Capturing a log for all errors

↓ Note

- It is necessary to install a Service Slot Board in the machine in advance and to insert an SD card. When a Service Slot Board is installed, the log is continuously acquired for a long capture period. Therefore, the log provides information on errors other than SC and jams, as well as information on SC/jams for a longer time period.

Procedures for Capturing the Engine Debug Log via the Service Slot Board

Note

- You can set two SD cards (master/slave).
 - Specify the log settings with SP5-901-001 to 010 (Eng Log SD-Card Save Setting).
1. Lift the switch cover at the front left side of the fusing section and press the main power switch [A].



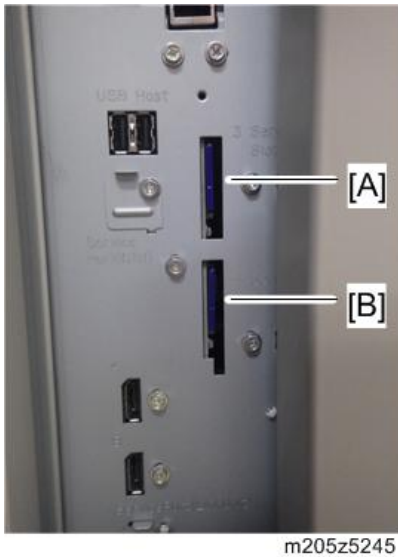
2. Remove the controller cover [A] from rear side of the main machine. (⚙️ ×2)



3. Remove the SD card slot cover [A]. (🔩×1)



4. Insert the SD card(s) into the Service Slot Board ([A]: Master, [B]: Slave).



5. Turn the main power switch ON.
6. Log capture starts automatically.
7. Execute the job or operation for which the error occurred.
8. Turn the main power switch OFF.
9. Remove the SD card.
10. Attach the SD card slot cover. (🔩×1)
11. Attach the controller cover. (🔩×2)

SMC List Card Save Function

Overview

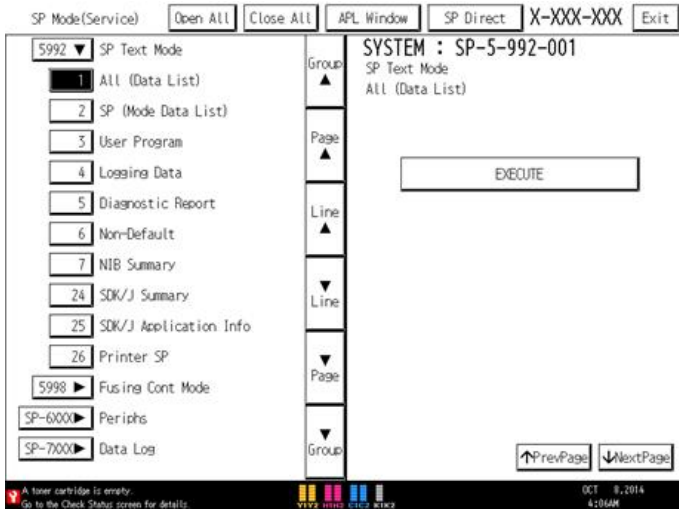
SMC List Card Save

- 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.

Procedure

- Turn the main power switch OFF.
- Insert the SD card into the operation panel SD-card slot. Then turn the power ON.
- Enter SP mode.
- Select "Engine SP".

5



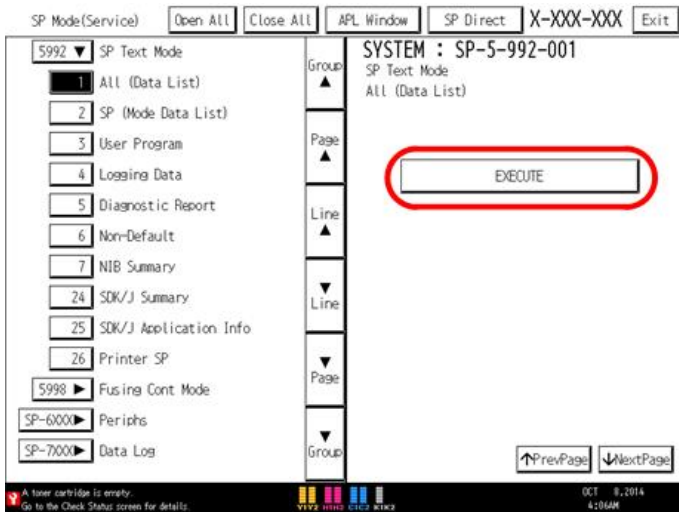
m205a4117

- Select SP-5992 "SP Text Mode".
- Select a detail SP number shown below to save data on the SD card.
SP-5992-xxx (SP Text Mode)

Detail No.	SMC Categories to Save
001	All (Data List)

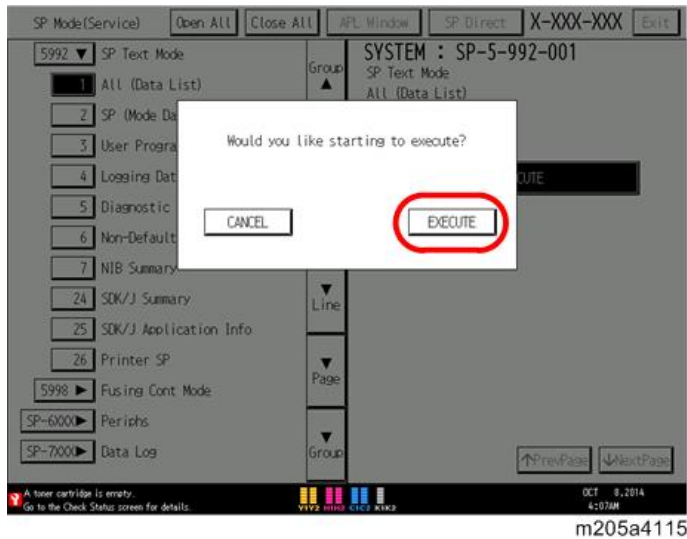
Detail No.	SMC Categories to Save
002	SP (Mode Data List)
003	User Program
004	Logging Data
005	Diagnostic Report
006	Non-Default
007	NIB Summary
024	SDK/J Summary
025	SDK/J Application Info
026	Printer SP

7. Press [EXECUTE].



m205a4116

8. Press [EXECUTE] again to start. Press [CANCEL] to cancel the saving.



m205a4115

9. "It is executing it" is shown on the screen while executing.
10. Wait for 2 to 3 minutes until "Completed" is shown.

Note

- The SMC list saving may take from 2 to 3 minutes to complete.
- Press [CANCEL] to abort executing.

11. 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:

W490M000006_59921_20111011_53954.csv



d1440131

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.

5

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.

6. Troubleshooting

Self-Diagnostic Mode

Service Call Codes

Service Call Conditions

Pattern	Display	How to reset	SC call or SC alarm in customer support system
A	The SC is displayed on the operation panel, and the machine cannot be used (safety-related SC).	Execute CE reset SP mode, and switch main power from OFF to ON.	Occurrence & alarm count ↓ Immediate alarm
B	When a function is selected, the SC is displayed on the operation panel, and the machine cannot be used (down-time mitigation).	Switch main power from OFF to ON.	Occurrence & alarm count ↓ Power OFF → ON ↓ Alarm count and alarm only if recurrence
C	No display on the operation panel, and use is permitted.	Count only logging.	Occurrence ↓ Logging count & alarm count
D	The SC is displayed on the operation panel, and the machine cannot be used (machine-error SC).	Switch main power from OFF to ON.	Occurrence & alarm count ↓ Power OFF → 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.
- 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).

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.

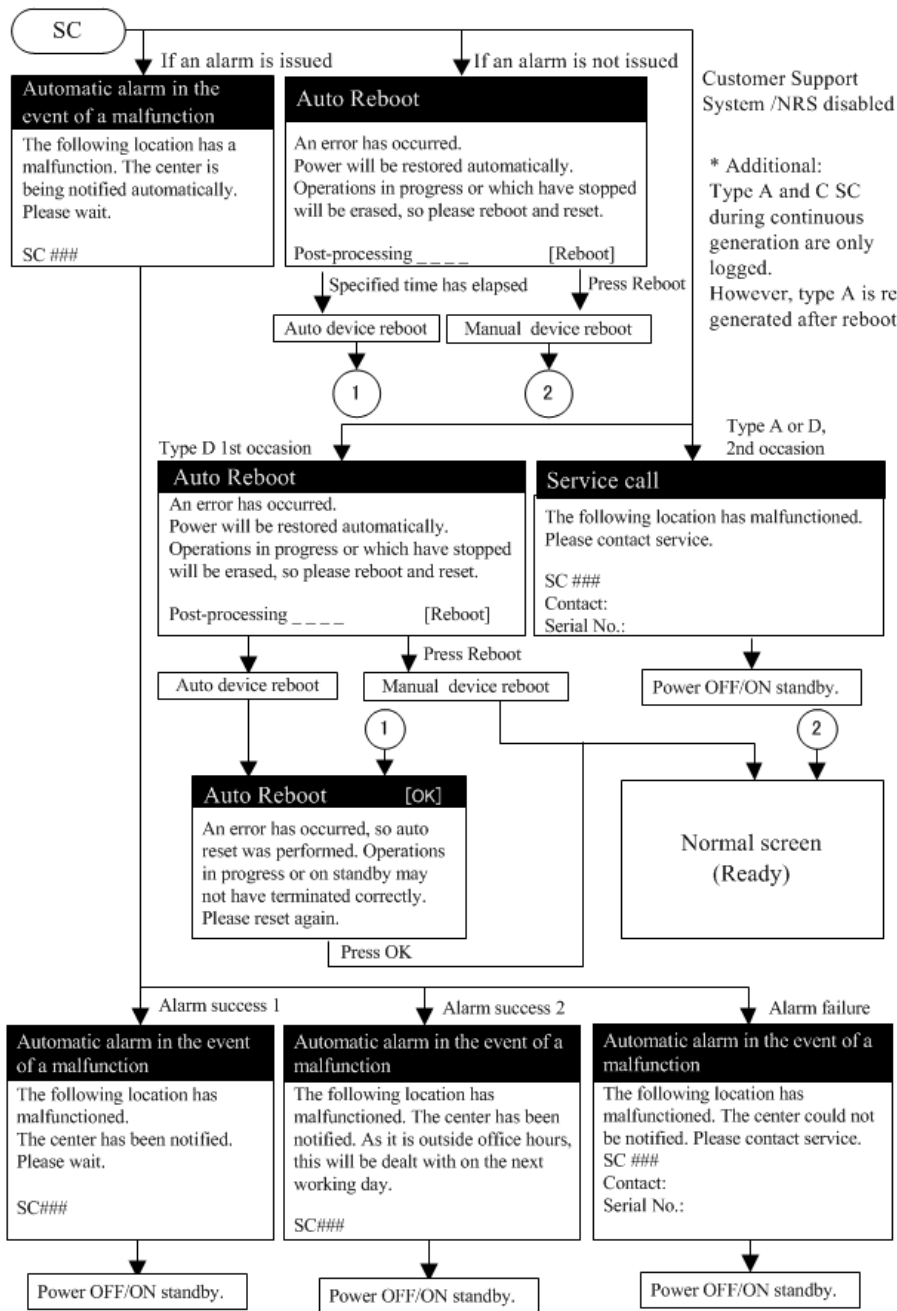
- Time to automatic reboot

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 machine is operating. The engine does not start process control when a reboot is possible.

- Automatic reboot

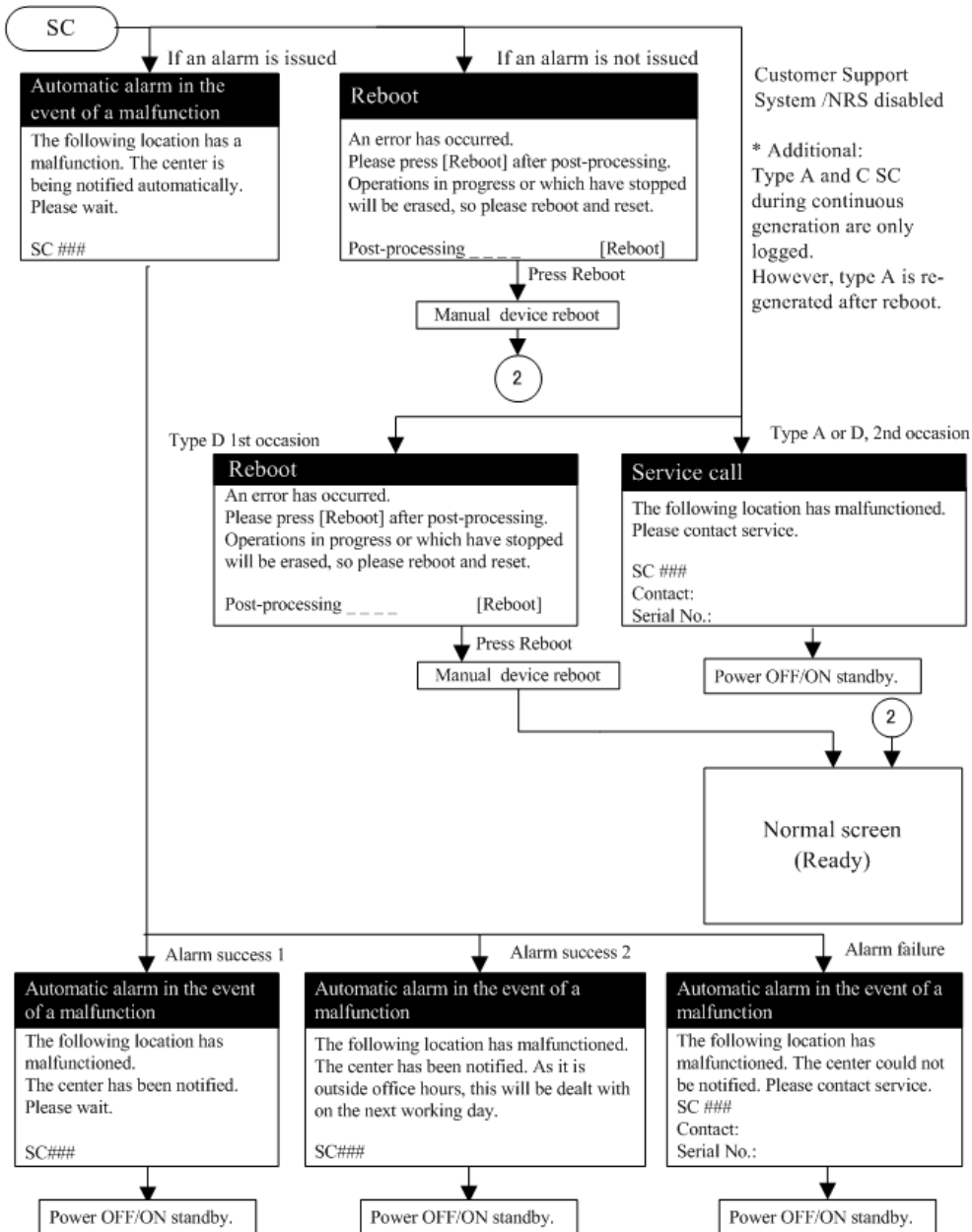
See the flowchart below.



w_m205z8002

SC Manual Reboot

When the automatic reboot is disabled in SP5-875-001 (SC automatic reboot setting), user reboot the machine manually. See the flowchart below.



w_m205z8003

SC100 (Engine: Image Writing and Others)

SC161-06 to SC195-00

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC161-06	D	IPU Error (M2P Error)
		M2P error was detected. Details: The engine checks the M2P error register (m2perr) of Breit when FGATE is negated. If it is set, the engine sends SC161-06 to the controller. However, SC161-06 is not checked when the machine stops due to errors on image writing.
		<ul style="list-style-type: none"> • Noise • Connector joint defect • Defective parts
		<ol style="list-style-type: none"> 1. Automatic reboot 2. Replace the IPU board.

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. <ul style="list-style-type: none"> • The product identification code has been entered incorrectly, or has not been entered. • EEPROM on the BCU is defective, set incorrectly, or missing. • BCU defective
		Re-enter the machine serial number in SP5-811-001 and cycle the machine off/on.

SC200 (Engine: Image Writing)

SC202-01 to SC285-00

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC202-01	D	Polygon Motor: ON Timeout Error: Bk
SC202-02	D	Polygon Motor: ON Timeout Error: Cy
SC202-03	D	Polygon Motor: ON Timeout Error: Ma
SC202-04	D	Polygon Motor: ON Timeout Error: Ye
		<p>After the polygon motor of the corresponding color turned on, or within 15 sec. after the rpm's changed, the motor did not enter polygon lock (READY) status.</p> <ul style="list-style-type: none"> • The interface harness to the polygon motor driver damaged or not connected correctly. • Polygon motor or polygon motor driver defective • Polygon motor drive pulse cannot be output correctly. (Polygon controller) • XSCRDY signal observation failing (Polygon controller) <ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the laser unit and the IPU. 3. Replace the laser unit. 4. Replace the IPU. 5. Replace the polygon harness. 6. Replace the PSU. <p>Note</p> <ul style="list-style-type: none"> • The polygon motor is not replaceable.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC203-01	D	Polygon Motor: OFF Timeout Error: Bk
SC203-02	D	Polygon Motor: OFF Timeout Error: Cy

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC203-03	D	Polygon Motor: OFF Timeout Error: Ma
SC203-04	D	Polygon Motor: OFF Timeout Error: Ye
		<p>The XSCRDY signal (polygon lock) does not become inactive (H-level) 3 seconds after the polygon motor went OFF.</p> <ul style="list-style-type: none"> • The interface harness to the polygon motor driver damaged or not connected correctly. • Polygon motor or polygon motor driver defective • XSCRDY signal observation failing (Polygon controller) <ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the laser unit and the IPU. 3. Replace the laser unit. 4. Replace the IPU. 5. Replace the polygon harness. 6. Replace the PSU. <p>Note</p> <ul style="list-style-type: none"> • The polygon motor is not replaceable.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC204-01	D	Polygon Motor: XSCRDY Signal Error: Bk
SC204-02	D	Polygon Motor: XSCRDY Signal Error: Cy
SC204-03	D	Polygon Motor: XSCRDY Signal Error: Ma
SC204-04	D	Polygon Motor: XSCRDY Signal Error: Ye
SC204-10	D	Polygon Motor Error: others

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • SC204-01 to 04 The polygon motor of the corresponding color went out of lock status after steady rotation. • SC204-10 A polygon motor went out of lock status after steady rotation.
		<ul style="list-style-type: none"> • Polygon motor or polygon motor driver defective • The interface harness to the polygon motor driver damaged or not connected correctly. • XSCRDY signal observation failing (Polygon controller)
		<ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the laser unit and the IPU. 3. Replace the laser unit. 4. Replace the IPU. 5. Replace the polygon harness. 6. Replace the PSU.
		<p>Note</p> <ul style="list-style-type: none"> • The polygon motor is not replaceable.

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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		When measuring the main scan magnification of the corresponding color, trailing edge beam detection signal was not output, magnification could not be measured, or the measured magnification was out of specification.
		<ul style="list-style-type: none"> • The interface harness to the beam detection unit damaged or not connected correctly. • Beam detection board defective • Beam does not enter photodetector. (Laser unit defective) • LDB defective
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Replace the laser unit.

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
		The leading edge LD1 synchronization detection signal of the corresponding color was not output for 100 ms or longer (100 ms x 2 times).
		<ul style="list-style-type: none"> • The interface harness to the synchronization detection unit damaged or not connected correctly. • Synchronization detection board defective • Beam does not enter photodetector. (Laser unit defective) • LDB defective
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Replace the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC230-01	D	FGATE ON error: Bk
SC230-02	D	FGATE ON error: Cy

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC230-03	D	FGATE ON error: Ma
SC230-04	D	FGATE ON error: Ye
		The FGATE signal did not turn ON within specified time after the writing process of the corresponding color started (STTRIG signal turned ON).
		<ul style="list-style-type: none"> • IPU defective • Harness between IPU and LDB defective (broken or bad connection) • LDB defective
		<ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the IPU and the LDB. 3. Replace the IPU. 4. Replace the laser unit. 5. Replace the harness.

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
		The FGATE signal did not turn OFF within specified time after it turned ON.
		<ul style="list-style-type: none"> • IPU defective • Harness between IPU and LDB defective (broken or bad connection) • LDB defective
		<ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the IPU and the LDB. 3. Replace the IPU. 4. Replace the laser unit. 5. Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC240-01	D	LD error: Bk
SC240-02	D	LD error: Cy
SC240-03	D	LD error: Ma
SC240-04	D	LD error: Ye
		The LD current of the corresponding color exceeded specification after the LD turned ON.
		<ul style="list-style-type: none"> • LD degradation (LD broken, shift of output characteristics etc.)
		<ul style="list-style-type: none"> • Cycle the machine off/on. • Replace the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC260-01	C	Laser Thermistor Error: Bk
SC260-02	C	Laser Thermistor Error: Cy
SC260-03	C	Laser Thermistor Error: Ma
SC260-04	C	Laser Thermistor Error: Ye

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> The reading of the thermistor in the laser unit of the corresponding color was less than -10 °C, indicating that the thermistor has disconnected. The reading of the thermistor in the laser unit of the corresponding color was more than 80 °C, indicating that the thermistor has shorted out. <p>Details: Detected when the machine is turned on or returning from Energy saving mode.</p>
		<ul style="list-style-type: none"> Thermistor disconnected or shorted out. Harness broken or bad connection IOB defective
		<ol style="list-style-type: none"> Check the harness connection between the laser unit and the IOB. Replace the laser unit. Replace the IOB. Replace the harness.

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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • SC265-02 The total sum of the skew control pulses of the Cy color (SP2-104-007) has reached the upper or lower limit. • SC265-03 The total sum of the skew control pulses of the Ma color (SP2-104-008) has reached the upper or lower limit. • SC265-04 The total sum of the skew control pulses of the Ye color (SP2-104-009) has reached the upper or lower limit.
		<ul style="list-style-type: none"> • Laser unit abnormality • Skew motor defective • Laser unit defective • Harness between laser unit and IOB broken or bad connection • IOB defective
		<ol style="list-style-type: none"> 1. Check the harness connection between the laser unit and the IOB. 2. Replace the laser unit. 3. Replace the IOB. 4. Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-01	D	LD ASIC communication error: Bk
SC270-02	D	LD ASIC communication error: Cy
SC270-03	D	LD ASIC communication error: Ma
SC270-04	D	LD ASIC communication error: Ye

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Communication (read/write) with the LDB (laser unit controller ASIC) of the corresponding color cannot be executed correctly.
		<ul style="list-style-type: none"> • BCU defective • Harness between BCU and LDB broken or bad connection • LDB defective
		<ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the LDB and the BCU. 3. Replace the laser unit. 4. Replace the BCU. 5. Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-10	D	LD ASIC communication error: Others
		Communication (clearing the "Door open" status) with the LDB (laser unit controller ASIC) cannot be executed correctly.
		<ul style="list-style-type: none"> • BCU defective • Harness between BCU and LDB broken or bad connection • LDB defective
		<ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the harness connection between the LDB and the BCU. 3. Replace the laser unit. 4. Replace the BCU. 5. Replace the PSU. 6. Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC274-01	D	Image transfer error: Bk
SC274-02	D	Image transfer error: Cy
SC274-03	D	Image transfer error: Ma

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC274-04	D	Image transfer error: Ye
		<p>There was a fatal error in the image related data received by the LDB of the corresponding color.</p> <ul style="list-style-type: none"> • IPU defective • Harness between IPU and LDB broken or bad connection • LDB defective <ol style="list-style-type: none"> 1. Cycle the machine off/on. 2. Check the connection of the USB cable between the LDB and the IPU. 3. Replace the USB cable. 4. Replace the IPU. 5. Replace the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC276-01	D	Microcomputer communication error: Bk
SC276-02	D	Microcomputer communication error: Cy
SC276-03	D	Microcomputer communication error: Ma
SC276-04	D	Microcomputer communication error: Ye
		<p>LDB (LD Microcomputer) of the corresponding color is not working properly.</p> <ul style="list-style-type: none"> • LDB defective • Cycle the machine off/on. • Replace the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC285-00	D	MUSIC error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>MUSIC execution failed 4 times consecutively (SC496 occurred 4 times consecutively).</p> <p>Details:</p> <p>Errors are counted when any of modes a, b, or d fails. The SC is issued only when failure occurs for the 4th time. Errors are counted only when the machine power is on (the counts are cleared when the machine is turned off).</p> <ul style="list-style-type: none"> • TM sensor sampling error <ul style="list-style-type: none"> • Sensor LED adjustment error <ol style="list-style-type: none"> 1. Execute process control to determine the bad sensor and replace it. 2. Execute mode d. • Patch number error <p>The main cause of SC496-11 to 13 is low patch density.</p> <ol style="list-style-type: none"> 1. Execute process control. 2. If an SC is issued during process control, fix the part indicated by the SC. 3. Execute mode d. • Damaged PTR belt <ol style="list-style-type: none"> 1. If SC496-21 to 30 occurs, replace the PTR belt. 2. Execute mode d. • Main registration error/ Sub registration error/ Main scan magnification ratio error/ Main scan magnification ratio deviation error <ol style="list-style-type: none"> 1. Cycle the machine off/on and execute mode d.
		<ul style="list-style-type: none"> • Belt flawed or smudged • Belt leaned to one side • Sensor smudged or defective • Pattern density defection

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ol style="list-style-type: none"><li>1. Cycle the machine off/on.<li>2. Clean the ID sensor.<li>3. Clean the PTR belt.<li>4. Check image density and execute process control to adjust density.<li>5. Replace the ID sensor.<li>6. Replace the PTR belt.

SC300 (Engine: Imaging 1/2: Charge/ Development/Around the Drum)

SC300-01 to SC398-55

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC300-01	D	Charge Wire C1 Output Error (K)
SC300-02	D	Charge Wire C1 Output Error (C)
SC300-03	D	Charge Wire C1 Output Error (M)
SC300-04	D	Charge Wire C1 Output Error (Y)
		<p>When charge voltage is lower than -4kV for 50ms or longer, the error signal "H" is output. SC is issued if the "H" signal is detected for 60ms consecutively between 500 ms after the start and stop of C1 output, excluding the time when the front door is open. The detection interval is 10ms.</p> <ul style="list-style-type: none"> • Leakage • Harness broken • Charge unit not installed • HVPS defective <ul style="list-style-type: none"> • Reinstall or replace the charge unit. • Replace the harness. • Replace the HVPS.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC301-01	D	Charge Wire C2 Output Error (K)
SC301-02	D	Charge Wire C2 Output Error (C)
SC301-03	D	Charge Wire C2 Output Error (M)
SC301-04	D	Charge Wire C2 Output Error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		When charge voltage is lower than -3kV for 50ms or longer, the error signal "H" is output. SC is issued if the "H" signal is detected for 60ms consecutively between the 500 ms after start and stop of C2 output, excluding the time when the front door is open. The detection interval is 10ms.
		<ul style="list-style-type: none"> • Leakage • Harness broken • Charge unit not installed • HVPS defective
		<ul style="list-style-type: none"> • Reinstall or replace the charge unit. • Replace the harness. • Replace the HVPS.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC304-01	D	Charge grid output error (K)
SC304-02	D	Charge grid output error (C)
SC304-03	D	Charge grid output error (M)
SC304-04	D	Charge grid output error (Y)
		When charge voltage is lower than -50V for 50ms or longer, the error signal "H" is output. SC is issued if the "H" signal is detected for 60ms consecutively between 500 ms after start and stop of charge grid output, excluding the time when the front door is open. The detection interval is 10ms.
		<ul style="list-style-type: none"> • Leakage • Harness broken • Charge unit not installed • HVPS defective
		<ul style="list-style-type: none"> • Reinstall or replace the charge unit. • Replace the harness. • Replace the HVPS.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC308-01	D	Charger Cleaner Error (K)
SC308-02	D	Charger Cleaner Error (C)
SC308-03	D	Charger Cleaner Error (M)
SC308-04	D	Charger Cleaner Error (Y)
		<ul style="list-style-type: none"> • 20 seconds elapsed but the sensor does not change from Low to High. • 3 seconds elapsed but the sensor does not change from High to Low.
		<ul style="list-style-type: none"> • Screw or sensor of the motor, gear or slider is broken. • Charge unit is not installed. • Motor lost steps because of heavy load.
		<ul style="list-style-type: none"> • Reinstall or replace the charge unit. • Replace the motor and gear. • Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC316-01	C	Quenching LED Light Error (K)
SC316-02	C	Quenching LED Light Error (C)
SC316-03	C	Quenching LED Light Error (M)
SC316-04	C	Quenching LED Light Error (Y)
		When the following occurs 3 times: Charge potential (the average value of 10 4ms x 10 samples) was $V_r+50[-V]$ or larger $L/V_p+200ms$ after charge bias OFF.
		<ul style="list-style-type: none"> • LED defective • Harness broken • Connector disconnected
		<ul style="list-style-type: none"> • Replace parts. • Check that the connectors are connected.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC320-01	D	Development Power Pack Output Error (K)
SC320-02	D	Development Power Pack Output Error (C)
SC320-03	D	Development Power Pack Output Error (M)
SC320-04	D	Development Power Pack Output Error (Y)
		<p>If the current is -90 microamperes or larger for 50 ms or more, the Development Power Pack outputs an error detection signal "H" for 600 ms or longer. The SC is issued if the "H" signal is detected for 60ms during the time between start and stop of output, excluding the time when the front door is open. The detection interval is 10 ms.</p> <ul style="list-style-type: none"> Development power pack shorted <p>If turning the main power off and on does not solve the problem, check the following.</p> <p>Disconnect the high voltage cable from the output terminal of the development power pack of the corresponding color, and check the following points.</p> <ol 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 BCU. If there is no problem with the PWM, check the output of the development power pack of the corresponding color. If the signal is fixed to HIGH during photocopying process, replace the power pack. If the output is normal during photocopying process, measure the resistance value between the high voltage cable and the ground. <ol style="list-style-type: none"> If resistance is "0" or nearly "0" when the PCU is drawn out, replace the high voltage harness. If resistance is neither "0" nor nearly "0" when a PCU without the OPC drum is installed, replace the OPC drum. If it is "0" or nearly "0", replace the PCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC324-00	D	Development motor error (K)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC325-00	D	Development motor error (C)
SC326-00	D	Development motor error (M)
SC327-00	D	Development motor error (Y)
		<ul style="list-style-type: none"> • Error at motor startup Cannot detect the LOCK signal for 1 second or longer after 1 second from the motor START signal. • Error during normal revolution Cannot detect the LOCK signal for 1 second or longer even though the motor START signal is output.
		<ul style="list-style-type: none"> • Motor connector disconnected • Development unit torque is excessively high (e.g. overload due to shaft lock) • IOB1 board defective • Development motor defective
		<ul style="list-style-type: none"> • Reconnect the motor connector. • Reduce the torque by eliminating the cause of overload. • Replace the IOB1 board. • Replace the development motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-01	D	Toner bottle motor error (K)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Checks in 100ms intervals if the toner bottle is locked while the toner bottle motor revolves.</p> <ul style="list-style-type: none"> • Toner bottle not set correctly or the torque is large. • Toner bottle motor broken or defective • Motor defective <p>1. Recover from the error When the SC occurred, turn the power off and on to recover from the SC. When the message which indicates that toner supply unit is malfunctioning appeared on the banner of operation panel, excute SP3-157-001 to 004.</p> <p>2. Eliminate the over load factor</p> <p>3. Check the motor operation</p> <ul style="list-style-type: none"> • While no toner bottle is installed, open the toner bottole cap of the station in which error has detected with SP3-162-001 to 008. • While the toner supply front cover is open, close the toner hopper cover open switch. • Check the operation of toner bottle motor by executing SP5-804-039 to 046. • After checking the operation, close the toner bottle cap with SP3-162-001 to 008.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-02	D	Toner bottle motor error (C)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Checks in 100ms intervals if the toner bottle is locked while the toner bottle motor revolves.</p> <ul style="list-style-type: none"> • Toner bottle not set correctly or the torque is large. • Toner bottle motor broken or defective • Motor defective <ol style="list-style-type: none"> 1. Recover from the error When the SC occurred, turn the power off and on to recover from the SC. When the message which indicates that toner supply unit is malfunctioning appeared on the banner of operation panel, excute SP3-157-001 to 004. 2. Eliminate the over load factor 3. Check the motor operation <ul style="list-style-type: none"> • While no toner bottle is installed, open the toner bottole cap of the station in which error has detected with SP3-162-001 to 008. • While the toner supply front cover is open, close the toner hopper cover open switch. • Check the operation of toner bottle motor by executing SP5-804-039 to 046. • After checking the operation, close the toner bottle cap with SP3-162-001 to 008.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-03	D	Toner bottle motor error (M)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Checks in 100ms intervals if the toner bottle is locked while the toner bottle motor revolves.</p> <ul style="list-style-type: none"> • Toner bottle not set correctly or the torque is large. • Toner bottle motor broken or defective • Motor defective <ol style="list-style-type: none"> 1. Recover from the error When the SC occurred, turn the power off and on to recover from the SC. When the message which indicates that toner supply unit is malfunctioning appeared on the banner of operation panel, excute SP3-157-001 to 004. 2. Eliminate the over load factor 3. Check the motor operation <ul style="list-style-type: none"> • While no toner bottle is installed, open the toner bottole cap of the station in which error has detected with SP3-162-001 to 008. • While the toner supply front cover is open, close the toner hopper cover open switch. • Check the operation of toner bottle motor by executing SP5-804-039 to 046. • After checking the operation, close the toner bottle cap with SP3-162-001 to 008.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-04	D	Toner bottle motor error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Checks in 100ms intervals if the toner bottle is locked while the toner bottle motor revolves.</p> <ul style="list-style-type: none"> • Toner bottle not set correctly or the torque is large. • Toner bottle motor broken or defective • Motor defective
		<ol style="list-style-type: none"> 1. Recover from the error When the SC occurred, turn the power off and on to recover from the SC. When the message which indicates that toner supply unit is malfunctioning appeared on the banner of operation panel, execute SP3-157-001 to 004. 2. Eliminate the over load factor 3. Check the motor operation <ul style="list-style-type: none"> • While no toner bottle is installed, open the toner bottle cap of the station in which error has detected with SP3-162-001 to 008. • While the toner supply front cover is open, close the toner hopper cover open switch. • Check the operation of toner bottle motor by executing SP5-804-039 to 046. • After checking the operation, close the toner bottle cap with SP3-162-001 to 008.

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)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<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. (Developer has not been set.) • TD sensor connector disconnected (bad connection) or harness broken • TD sensor defective
		<ul style="list-style-type: none"> • Check the developer. If it has not been set, do SP3-022-001 to 008, and then SP3-024-001 to 008. • Check the connector and harness of the TD sensor. • Replace the TD sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC344-00	D	Drum cleaning motor error (K)
SC345-00	D	Drum cleaning motor error (C)
SC346-00	D	Drum cleaning motor error (M)
SC347-00	D	Drum cleaning motor error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Error at motor startup Cannot detect the LOCK signal for 1 second or longer after 1 second from the motor START signal. • Error during normal revolution Cannot detect the LOCK signal for 1 second or longer even though the motor START signal is output.
		<ul style="list-style-type: none"> • Motor connector disconnected • PCU cleaning unit torque is excessively high (e.g. overload due to clogged waste toner) • TDCU board defective • Drum cleaning motor defective
		<ul style="list-style-type: none"> • Reconnect the motor connector. • Reduce the torque by eliminating the cause of overload in the PCU cleaning unit. • Replace the TDCU board. • Replace the drum cleaning motor.

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)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>K: 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 (SP3-301-041) is greater than the upper threshold (SP3-301-031).</p> <p>C: Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-002) is less than the lower threshold (SP3-301-024) and accumulated toner clutch ON time (SP3-301-042) is greater than the upper threshold (SP3-301-031).</p> <p>M: Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-003) is less than the lower threshold (SP3-301-024) and accumulated toner clutch ON time (SP3-301-043) is greater than the upper threshold (SP3-301-031).</p> <p>Y: Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-004) is less than the lower threshold (SP3-301-024) and accumulated toner clutch ON time (SP3-301-044) is greater than the upper threshold (SP3-301-031).</p> <p>Details: This SC is issued when the toner end sensor continues detecting the presence of toner falsely or when the transport screw of toner supply unit has broken.</p> <ul style="list-style-type: none"> • Toner end sensor cleaner PET sheet broken • Toner end sensor cleaner PET sheet not set correctly • Toner end sensor defective
		<ul style="list-style-type: none"> • Replace the toner supply unit.

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)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC360-04	D	TD sensor calibration error (Y)
		<p>During TD sensor initialization, the TD sensor output voltage (Vt) cannot be adjusted to the target range (target value $\pm 0.2V$).</p> <p>Details:</p> <p>TD sensor initialization adjusts the TD sensor control voltage (Vtcnt) in order to adjust the TD sensor output voltage (Vt) to target value $\pm 0.2V$.</p> <p>Adjustment flow:</p> <ol style="list-style-type: none"> Developer presence detection Developer not detected. OK: Proceeds to Vtcnt adjustment. NG: SC336-0X TD sensor calibration (Fluctuate Vtcnt and measure Vt) TD sensor calibration result judgment OK: TD sensor calibration succeeded. NG: SC360-0X
		<ul style="list-style-type: none"> TD sensor defective/Loose connection/Harness broken Developer is not new
		<ol style="list-style-type: none"> Check the TD sensor connector and harness. Replace the developer. Replace the TD sensor. Replace the development unit if it occurs repeatedly.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC361-01	D	TD sensor output error: Upper Limit (K)
SC361-02	D	TD sensor output error: Upper Limit (C)
SC361-03	D	TD sensor output error: Upper Limit (M)
SC361-04	D	TD sensor output error: Upper Limit (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The TD sensor output (Vt) (SP3-210-001 to 004) exceeded 4.7 V 20 times consecutively.</p> <p>001:K, 002:C, 003:M, 004:Y</p> <ul style="list-style-type: none"> • TD sensor disconnected (bad connection), harness defective • Toner density extremely low • TD sensor defective <ol style="list-style-type: none"> 1. Check the TD sensor connector and harness. 2. Replace the developer. 3. Replace the TD sensor. 4. Replace the development unit if it occurs repeatedly.

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)
		<p>The TD sensor output (Vt) (SP3-210-001 to 004) fell below 0.5 V 10 times consecutively.</p> <p>001:K, 002:C, 003:M, 004:Y</p> <ul style="list-style-type: none"> • TD sensor not connected correctly • TD sensor defective <ol style="list-style-type: none"> 1. Check the TD sensor connector and harness. 2. Replace the developer. 3. Replace the TD sensor. 4. Replace the development unit if it occurs repeatedly.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC370-01	D	ID sensor calibration error (Front)
SC370-02	D	ID sensor calibration error (K)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC370-03	D	ID sensor calibration error (C)
SC370-04	D	ID sensor calibration error (M)
SC370-05	D	ID sensor calibration error (Y)
SC370-06	D	ID sensor calibration error (Rear)
		<p>The voltage reading during process control for Vsg_reg was not within the correct range (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"> PTR belt deformed, out of position or damaged ID sensor connector disconnected/loose connection ID sensor defective <ol style="list-style-type: none"> Check the PTR belt and fix it if it is deformed, out of position or damaged. Remove the PTR unit and check if the ID sensor connector is connected. Connect it if disconnected. Replace the ID sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC371-01	D	ID sensor output error: background output (specular reflection) (Front)
SC371-02	D	ID sensor output error: background output (specular reflection) (K)
SC371-03	D	ID sensor output error: background output (specular reflection) (C)
SC371-04	D	ID sensor output error: background output (specular reflection) (M)
SC371-05	D	ID sensor output error: background output (specular reflection) (Y)
SC371-06	D	ID sensor output error: background output (specular reflection) (Rear)
		<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 <ol style="list-style-type: none"> 1. Remove the PTR unit and check if the ID sensor connector is connected. Connect it if disconnected. 2. Replace the ID sensor if defective.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC381-01	D	Potential sensor output high error: Charge Potential: Vd detection (K)
SC381-02	D	Potential sensor output high error: Charge Potential: Vd detection (C)
SC381-03	D	Potential sensor output high error: Charge Potential: Vd detection (M)
SC381-04	D	Potential sensor output high error: Charge Potential: Vd detection (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<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) • Potential sensor defective (Probe, board, connector pin disconnected) • FU32 on IOB1 has blown. <ol style="list-style-type: none"> 1. Check the potential sensor connector and harness. 2. Clean the potential sensor. 3. Replace the potential sensor probe. 4. Replace the potential sensor board. 5. Replace IOB1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC382-01	D	Potential sensor output low error: Charge Potential: Vd detection (K)
SC382-02	D	Potential sensor output low error: Charge Potential: Vd detection (C)
SC382-03	D	Potential sensor output low error: Charge Potential: Vd detection (M)
SC382-04	D	Potential sensor output low error: Charge Potential: Vd detection (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, connector pin disconnected) <ol style="list-style-type: none"> 1. Check the potential sensor connector and harness. 2. Replace the potential sensor probe. 3. Replace the potential sensor board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC390-00	D	Drum motor error (K): Traction output shaft load error
		When SC395-55 is issued 3 times consecutively, this SC is issued instead of SC395-55.
		Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught)
		Reduce the torque by eliminating the cause of overload and then execute SP7-988-001.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC391-00	D	Drum motor error (C) Traction output shaft load error
		When SC396-55 is issued 3 times consecutively, this SC is issued instead of SC396-55.
		Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught)
		Reduce the torque by eliminating the cause of overload and then execute SP7-988-002.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC392-00	D	Drum motor error (M) Traction output shaft load error
		When SC397-55 is issued 3 times consecutively, this SC is issued instead of SC397-55.
		Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught)
		Reduce the torque by eliminating the cause of overload and then execute SP7-988-003.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC393-00	D	Drum motor error (Y) Traction output shaft load error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		When SC398-55 is issued 3 times consecutively, this SC is issued instead of SC398-55.
		Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught)
		Reduce the torque by eliminating the cause of overload and then execute SP7-988-004.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-01	D	Drum motor error (K) Enc.: A pulse nonexistent
SC395-02	D	Drum motor error (K) Enc.: A pulse skipping
SC395-03	D	Drum motor error (K) Enc.: A pulse chattering
SC395-05	D	Drum motor error (K) Enc.: B pulse nonexistent
SC395-06	D	Drum motor error (K) Enc.: A pulse nonexistent/B pulse nonexistent
SC395-07	D	Drum motor error (K) Enc.: A pulse skipping/B pulse nonexistent
SC395-08	D	Drum motor error (K) Enc.: A pulse chattering/B pulse nonexistent
SC395-10	D	Drum motor error (K) Enc.: B pulse skipping
SC395-11	D	Drum motor error (K) Enc.: A pulse nonexistent/B pulse skipping
SC395-12	D	Drum motor error (K) Enc.: A pulse skipping/B pulse skipping
SC395-13	D	Drum motor error (K) Enc.: A pulse chattering/B pulse skipping
SC395-15	D	Drum motor error (K) Enc.: B pulse chattering
SC395-16	D	Drum motor error (K) Enc.: A pulse nonexistent/B pulse chattering
SC395-17	D	Drum motor error (K) Enc.: A pulse skipping/B pulse chattering
SC395-18	D	Drum motor error (K) Enc.: A pulse chattering/B pulse chattering

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Pulses of either or both of motor encoder sensor A and B have become nonexistent, skipping, or chattering.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-41	D	Drum motor error (K) Hall error
		<p>The motor's Hall IC signals of all three phases have become Low.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-51	D	Drum motor error (K) Cumulative speed error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The rotational speed of the motor has been above or below the target value by 3% or more for a specified period of time.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-52	D	Drum motor error (K) Continued overload error
		<p>The load has exceeded the limit for 10 seconds or more.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-55	D	Drum motor error (K): Traction output shaft load error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The Hall IC status of the motor is changing but the encoder signal is not changing.
		<ul style="list-style-type: none"> • OPC drum locked (e.g. overload due to cleaning blade getting caught)
		<ul style="list-style-type: none"> • Recover the OPC drum from locked status.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-01	D	Drum motor error (C) Enc.: A pulse nonexistent
SC396-02	D	Drum motor error (C) Enc.: A pulse skipping
SC396-03	D	Drum motor error (C) Enc.: A pulse chattering
SC396-05	D	Drum motor error (C) Enc.: B pulse nonexistent
SC396-06	D	Drum motor error (C) Enc.: A pulse nonexistent/B pulse nonexistent
SC396-07	D	Drum motor error (C) Enc.: A pulse skipping/B pulse nonexistent
SC396-08	D	Drum motor error (C) Enc.: A pulse chattering/B pulse nonexistent
SC396-10	D	Drum motor error (C) Enc.: B pulse skipping
SC396-11	D	Drum motor error (C) Enc.: A pulse nonexistent/B pulse skipping
SC396-12	D	Drum motor error (C) Enc.: A pulse skipping/B pulse skipping
SC396-13	D	Drum motor error (C) Enc.: A pulse chattering/B pulse skipping
SC396-15	D	Drum motor error (C) Enc.: B pulse chattering
SC396-16	D	Drum motor error (C) Enc.: A pulse nonexistent/B pulse chattering
SC396-17	D	Drum motor error (C) Enc.: A pulse skipping/B pulse chattering
SC396-18	D	Drum motor error (C) Enc.: A pulse chattering/B pulse chattering

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Pulses of either or both of motor encoder sensor A and B have become nonexistent, skipping, or chattering.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-41	D	Drum motor error (C) Hall error
		<p>The motor's Hall IC signals of all three phases have become Low.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-51	D	Drum motor error (C) Cumulative speed error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The rotational speed of the motor has been above or below the target value by 3% or more for a specified period of time.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-52	D	Drum motor error (C) Continued overload error
		<p>The load has exceeded the limit for 10 seconds or more.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC396-55	D	Drum motor error (C): Traction output shaft load error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The Hall IC status of the motor is changing but the encoder signal is not changing.
		<ul style="list-style-type: none"> • OPC drum locked (e.g. overload due to cleaning blade getting caught)
		<ul style="list-style-type: none"> • Recover the OPC drum from locked status.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-01	D	Drum motor error (M) Enc.: A pulse nonexistent
SC397-02	D	Drum motor error (M) Enc.: A pulse skipping
SC397-03	D	Drum motor error (M) Enc.: A pulse chattering
SC397-05	D	Drum motor error (M) Enc.: B pulse nonexistent
SC397-06	D	Drum motor error (M) Enc.: A pulse nonexistent/B pulse nonexistent
SC397-07	D	Drum motor error (M) Enc.: A pulse skipping/B pulse nonexistent
SC397-08	D	Drum motor error (M) Enc.: A pulse chattering/B pulse nonexistent
SC397-10	D	Drum motor error (M) Enc.: B pulse skipping
SC397-11	D	Drum motor error (M) Enc.: A pulse nonexistent/B pulse skipping
SC397-12	D	Drum motor error (M) Enc.: A pulse skipping/B pulse skipping
SC397-13	D	Drum motor error (M) Enc.: A pulse chattering/B pulse skipping
SC397-15	D	Drum motor error (M) Enc.: B pulse chattering
SC397-16	D	Drum motor error (M) Enc.: A pulse nonexistent/B pulse chattering
SC397-17	D	Drum motor error (M) Enc.: A pulse skipping/B pulse chattering
SC397-18	D	Drum motor error (M) Enc.: A pulse chattering/B pulse chattering

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Pulses of either or both of motor encoder sensor A and B have become nonexistent, skipping, or chattering.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-41	D	Drum motor error (M) Hall error
		<p>The motor's Hall IC signals of all three phases have become Low.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-51	D	Drum motor error (M) Cumulative speed error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The rotational speed of the motor has been above or below the target value by 3% or more for a specified period of time.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-52	D	Drum motor error (M) Continued overload error
		<p>The load has exceeded the limit for 10 seconds or more.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC397-55	D	Drum motor error (M): Traction output shaft load error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The Hall IC status of the motor is changing but the encoder signal is not changing.
		<ul style="list-style-type: none"> • OPC drum locked (e.g. overload due to cleaning blade getting caught)
		<ul style="list-style-type: none"> • Recover the OPC drum from locked status.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-01	D	Drum motor error (Y) Enc.: A pulse nonexistent
SC398-02	D	Drum motor error (Y) Enc.: A pulse skipping
SC398-03	D	Drum motor error (Y) Enc.: A pulse chattering
SC398-05	D	Drum motor error (Y) Enc.: B pulse nonexistent
SC398-06	D	Drum motor error (Y) Enc.: A pulse nonexistent/B pulse nonexistent
SC398-07	D	Drum motor error (Y) Enc.: A pulse skipping/B pulse nonexistent
SC398-08	D	Drum motor error (Y) Enc.: A pulse chattering/B pulse nonexistent
SC398-10	D	Drum motor error (Y) Enc.: B pulse skipping
SC398-11	D	Drum motor error (Y) Enc.: A pulse nonexistent/B pulse skipping
SC398-12	D	Drum motor error (Y) Enc.: A pulse skipping/B pulse skipping
SC398-13	D	Drum motor error (Y) Enc.: A pulse chattering/B pulse skipping
SC398-15	D	Drum motor error (Y) Enc.: B pulse chattering
SC398-16	D	Drum motor error (Y) Enc.: A pulse nonexistent/B pulse chattering
SC398-17	D	Drum motor error (Y) Enc.: A pulse skipping/B pulse chattering
SC398-18	D	Drum motor error (Y) Enc.: A pulse chattering/B pulse chattering

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Pulses of either or both of motor encoder sensor A and B have become nonexistent, skipping, or chattering.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-41	D	Drum motor error (Y) Hall error
		<p>The motor's Hall IC signals of all three phases have become Low.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-51	D	Drum motor error (Y) Cumulative speed error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The rotational speed of the motor has been above or below the target value by 3% or more for a specified period of time.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-52	D	Drum motor error (Y) Continued overload error
		<p>The load has exceeded the limit for 10 seconds or more.</p> <ul style="list-style-type: none"> • Extraordinarily high rotation torque of the OPC drum (e.g. overload due to cleaning blade getting caught) • Motor defective • Motor connector disconnected • Motor driver (TDCU board) defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the drum unit. • Replace the motor. • Reconnect the motor connector. • Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC398-55	D	Drum motor error (Y): Traction output shaft load error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The Hall IC status of the motor is changing but the encoder signal is not changing.</p> <ul style="list-style-type: none">• OPC drum locked (e.g. overload due to cleaning blade getting caught)• Recover the OPC drum from locked status.

SC400 (Engine: Imaging 3: Transfer, Separation, Cleaning and Others)

SC440-01 to SC499-40

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-01	D	Image Transfer Power Pack Voltage Leak (K)
SC440-02	D	Image Transfer Power Pack Voltage Leak (C)
SC440-03	D	Image Transfer Power Pack Voltage Leak (M)
SC440-04	D	Image Transfer Power Pack Voltage Leak (Y)
		<p>An interrupt checks the status of the power pack every 10 ms. This SC is issued if a problem is detected 10 times or more in 250 ms.</p> <p>Details:</p> <p>SC issued when the image transfer power pack output current is leaking. The IOB checks for SC signals as described above.</p> <p>Check with which color the problem occurred.</p> <ul style="list-style-type: none"> Image transfer power pack output current is leaking. <p>Remove the high voltage cable from the output terminal of the image transfer power pack and check the following items.</p> <ol style="list-style-type: none"> PWM: T1 signal check for the corresponding color If signal does not change during image transfer, replace the cable or the IOB. Image transfer power pack output check If output does not change during image transfer, replace the power pack. If output is normal during image transfer, replace the high voltage cable, ITB or the transfer roller.

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)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-13	D	Image Transfer Power Pack Error (low output) (M)
SC440-14	D	Image Transfer Power Pack Error (low output) (Y)
		<p>The transfer roller resistance level for a color was "R-3" (detected voltage was lower than 0.1kV).</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). <ol style="list-style-type: none"> 1. Reinstall the ITB unit. 2. Reconnect the harness of the high-voltage power supply route. 3. Replace the image transfer roller of the corresponding color. 4. Fix or replace the high-voltage power supply. 5. Replace the harness of the high-voltage power supply route.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC441-01	D	ITB motor error: ENC1 pulse nonexistent
SC441-02	D	ITB motor error: ENC1 pulse skipping
SC441-03	D	ITB motor error: ENC1 pulse chattering
SC441-05	D	ITB motor error: ENC2 pulse nonexistent
SC441-06	D	ITB motor error: ENC1 pulse nonexistent/ ENC2 pulse nonexistent
SC441-07	D	ITB motor error: ENC1 pulse skipping / ENC2 pulse nonexistent
SC441-08	D	ITB motor error: ENC1 pulse chattering / ENC2 pulse nonexistent
SC441-10	D	ITB motor error: ENC2 pulse skipping
SC441-11	D	ITB motor error: ENC1 pulse nonexistent/ ENC2 pulse skipping
SC441-12	D	ITB motor error: ENC1 pulse skipping / ENC2 pulse skipping
SC441-13	D	ITB motor error: ENC1 pulse chattering / ENC2 pulse skipping
SC441-15	D	ITB motor error: ENC2 pulse chattering
SC441-16	D	ITB motor error: ENC1 pulse nonexistent/ ENC2 pulse chattering

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC441-17	D	ITB motor error: ENC1 pulse skipping / ENC2 pulse chattering
SC441-18	D	ITB motor error: ENC1 pulse chattering / ENC2 pulse chattering
		<p>Pulses of either or both of motor encoder sensor 1 and 2 have become nonexistent, skipping, or chattering.</p> <ul style="list-style-type: none"> • Motor rotation error caused by extraordinarily high torque of the ITB and load fluctuation • Rotation error caused by a slip between the ITB and the drive roller • Motor connector disconnected • Motor driver defective • Motor defective <ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the ITB unit. • Clean the ITB drive roller and the back side of the ITB. • Reconnect the motor connector. • Replace the board (TDCU, TDRB). • Replace the motor. • Replace the encoder wheel/encoder sensor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC441-51	D	ITB Motor error: Cumulative speed error

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The accumulated time of lock status of the motor has reached 400 ms (count interval: 20 ms, number of counts: 20)</p> <ul style="list-style-type: none"> • Motor rotation error caused by extraordinarily high torque of the ITB and load fluctuation • Rotation error caused by a slip between the ITB and the drive roller • Motor connector disconnected • Motor driver defective • Motor defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the ITB unit. • Clean the ITB drive roller and the back side of the ITB. • Reconnect the motor connector. • Replace the board (TDCU, TDRB). • Replace the motor. • Replace the encoder wheel/encoder sensor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC441-52	D	ITB Motor error: Continued overload error

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The voltage of the motor (PWM duty) is greater than threshold for prescribed time. (SC issues in order to prevent an abnormal rise in winding temperature)</p> <ul style="list-style-type: none"> • Motor rotation error caused by extraordinarily high torque of the ITB and load fluctuation • Rotation error caused by a slip between the ITB and the drive roller • Motor connector disconnected • Motor driver defective • Motor defective
		<ul style="list-style-type: none"> • Reduce the torque by eliminating the cause of overload in the ITB unit. • Clean the ITB drive roller and the back side of the ITB. • Reconnect the motor connector. • Replace the board (TDCU, TDRB). • Replace the motor. • Replace the encoder wheel/encoder sensor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC442-01	D	ITB Lift Error/K
SC442-02	D	ITB Lift Error/FC

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Even though the ITB lift motor rotates, the ITB lift sensor failed to detect the specified sensor feeler status within specified time.</p> <p>Details:</p> <ul style="list-style-type: none"> • During home-positioning (operation for fixing the separated status) (separation movement) The sensor failed to detect the transition from "High (feeler present)" to "Low (feeler absent)" (separation movement) within 2000 msec from the start of ITB lift motor rotation. • During contact/separation movement (Timing of movement differs) Contact movement: The sensor failed to detect the transition from "Low (feeler absent)" to "High (feeler present)" (contact) within 2000 msec from the start of ITB lift motor rotation. Separation movement: The sensor failed to detect the transition from "High (feeler present)" to "Low (feeler absent)" (separation) within 2000 msec from the start of ITB lift motor rotation. <p>Detection timing: During contact/separation movement Detection interval: 2msec or shorter</p>
		<ul style="list-style-type: none"> • 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
SC443-01	C	Image transfer roller end-of-life (K)
SC443-02	C	Image transfer roller end-of-life (C)
SC443-03	C	Image transfer roller end-of-life (M)
SC443-04	C	Image transfer roller end-of-life (Y)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Resistance level of the image transfer roller was "R+3" during image transfer voltage detection.</p> <p>Check with which color the problem occurred.</p> <ul style="list-style-type: none"> Image transfer roller resistance increased through time (Roller end-of-life) Connection fault between the image transfer high-voltage power pack and the image transfer bias roller (High voltage harness broken, connector disconnected, or contact failure of image transfer bias roller bushes, etc.) Image transfer high-voltage power pack defective <ol style="list-style-type: none"> Reinstall the ITB unit and the PTR unit. Reconnect the harness of the high-voltage power supply route. Replace the image transfer roller. Fix or replace the high-voltage power supply. Replace the harness of the high-voltage power supply route.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-01	D	<p>PTR Power Pack error (leak): DC</p> <p>This SC is issued if a problem is detected 10 times or more in 250 ms (Sampling interval: 10ms).</p> <p>Details:</p> <p>SC issued when the PTR power pack (DC) output current is leaking.</p> <p>The IOB checks for SC signals as described above.</p> <ul style="list-style-type: none"> PTR power pack output current is leaking. FU32 on IOB1 has blown. <ol style="list-style-type: none"> Reinstall the ITB unit and the PTR unit. Reconnect the harness of the high-voltage power supply route. Replace the paper transfer bias roller. Fix or replace the high-voltage power supply. Replace the harness of the high-voltage power supply route. Replace IOB1.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-02	D	PTR Power Pack error (leak) : AC
		<p>This SC is issued if a problem is detected 10 times consecutively. (Sampling interval: 10ms).</p> <p>Details:</p> <p>SC issued when the PTR power pack (AC) output current is leaking. The IOB checks for SC signals as described above.</p>
		<ul style="list-style-type: none"> • PTR power pack output current is leaking. • FU32 on IOB1 has blown.
		<ol style="list-style-type: none"> 1. Reinstall the ITB unit and the PTR unit. 2. Reconnect the harness of the high-voltage power supply route. 3. Replace the paper transfer bias roller. 4. Fix or replace the high-voltage power supply. 5. Replace the harness of the high-voltage power supply route. 6. Replace IOB1.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-11	D	PTR Power Pack Error (low output)
		<p>The PTR voltage level was "R-3" (detected voltage was lower than 0.1kV).</p>
		<ul style="list-style-type: none"> • PTR high-voltage power pack defective • Problem with input harness to the PTR high-voltage power pack (loose connection, harness broken, or connector disconnected). • FU32 on IOB1 has blown.
		<ol style="list-style-type: none"> 1. Reinstall the ITB unit and the PTR unit. 2. Reconnect the harness of the high-voltage power supply route. 3. Replace the paper transfer bias roller. 4. Fix or replace the high-voltage power supply. 5. Replace the harness of the high-voltage power supply route. 6. Replace IOB1.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC451-00	D	PTR motor error
		<ul style="list-style-type: none"> • Error at motor startup Cannot detect the LOCK signal for 1 second or longer after 1 second from the motor START signal. • Error during normal revolution Cannot detect the LOCK signal for 1 second or longer even though the motor START signal is output.
		<ul style="list-style-type: none"> • Motor connector disconnected • Extraordinarily high rotation torque of the PTR unit (e.g. overload due to shaft lock) • DRB board/IOB1 board defective • PTR motor defective
		<ul style="list-style-type: none"> • Reconnect the motor connector. • Reduce the torque by eliminating the cause of overload in the PTR unit. • Replace the DRB board/IOB1 board. • Replace the PTR motor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC452-00	D	PTR Lift Error
		<p>Even though the PTR lift motor rotates, the PTR lift sensor failed to detect the specified sensor feeler status within specified time.</p> <p>Details:</p> <ul style="list-style-type: none"> • During home-positioning (operation for fixing the separated status) (separation movement) The sensor failed to detect the transition from "feeler absent" to "feeler present" (separation) within 2000 msec from the start of PTR lift motor CW rotation. • During contact/separation movement Contact movement: The sensor failed to detect the transition from "feeler present" to "feeler absent" (contact) within 2000 msec from the start of PTR lift motor CCW rotation. Separation movement: The sensor failed to detect the transition from "feeler absent" to "feeler present" (separation) within 2000 msec from the start of PTR lift motor CW rotation. <p>Detection timing: During contact/separation movement Detection interval: 2msec</p>
		<ul style="list-style-type: none"> • 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
SC453-00	C	Paper Transfer Repulsion Roller end-of-life
		The paper transfer repulsion roller resistance level was "R+3".
		<ul style="list-style-type: none"> • Paper transfer repulsion roller resistance increased through time (Roller end-of-life) • Connection fault between the paper transfer high-voltage power pack and the paper transfer repulsion roller (High voltage harness broken, connector disconnected, or contact failure of paper transfer repulsion roller bushes, etc.) • Paper transfer high-voltage power pack defective
		<ol style="list-style-type: none"> 1. Reinstall the ITB unit and the PTR unit. 2. Reconnect the harness of the high-voltage power supply route. 3. Replace the PTR repulsion roller. 4. Fix or replace the high-voltage power supply. 5. Replace the harness of the high-voltage power supply route.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC459-00	D	PTR pressure error
		<p>Even though the PTR pressure motor rotates, the PTR position sensor fails to detect the specified feeler condition within specified time.</p> <p>Details:</p> <ul style="list-style-type: none"> During home-positioning If the sensor started in High (feeler present) condition: The sensor failed to detect the transition from "High (feeler present)" to "Low (feeler present)" within 2570 steps from the start of PTR pressure motor CW rotation. If the sensor started in Low (feeler absent) condition: The sensor failed to detect the transition from "Low (feeler present)" to "High (feeler present)" within 1900 steps from the start of PTR pressure motor CCW rotation. During contact/separation movement (Depressurization) The sensor detected the transition from "Low (feeler present)" to "High (feeler present)" after the start of PTR pressure motor CCW rotation. <p>Detection timing: During PTR pressurization movement Detection interval: 2msec</p>
		<ul style="list-style-type: none"> Sensor smudged Motor/sensor defective Harness broken or problem with connection (such as a disconnected connector) FU32 on IOB1 has blown.
		<ul style="list-style-type: none"> If smudged: cleaning If defective or broken: replacement Problem with connection: reconnection If FU32 on IOB1 has blown: Replace IOB1.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC461-01	D	ITB Cleaning HVP error (leak): B2
SC461-02	D	ITB Cleaning HVP error (leak): C2

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC461-03	D	ITB Cleaning HVP error (leak): B1
SC461-04	D	ITB Cleaning HVP error (leak): C1
SC461-05	D	ITB Cleaning HVP error (leak): B3
SC461-06	D	ITB Cleaning HVP error (leak): C3
		<p>SC signal was detected 10 times or more within 250 ms (sampling interval: 10ms).</p> <p>Details:</p> <p>A leak discharge in the ITB cleaning HVP output is detected as an SC signal by the ITB cleaning HVP.</p> <p>The IOB monitors SC signals as described above during imaging.</p> <p>Each ITB cleaning HVP is handled separately.</p> <p>When an error is detected, all other ITB cleaning HVP s are also turned OFF (Wait time: 0).</p>
		<p>There is a leak discharge in the ITB cleaning HVP output.</p>
		<ol style="list-style-type: none"> 1. Reinstall the ITB unit and the ITB cleaning unit. 2. Reconnect the harness of the corresponding high-voltage power supply route. 3. Replace the corresponding ITB cleaning roller or ITB cleaning collection roller. 4. Fix or replace the high-voltage power supply. 5. Replace the harness of the high-voltage power supply route.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC469-00	D	ITB Cleaning Motor error
		Cannot detect the LOCK signal: Low for 1 second or longer after 1 second from the motor START signal.
		<ul style="list-style-type: none"> • Sensor is smudged. • Motor/sensor defective • Harness broken or connected improperly.
		<ul style="list-style-type: none"> • Check the connection of the connector. • Replace the motor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC471-00	D	Belt position ready timeout
		The ITB status does not become ready either during belt position initialization or when powered ON.
		<ul style="list-style-type: none"> • ITB Belt Centering Sensor error • Problem with the belt centering mechanism
		<ul style="list-style-type: none"> • Replace the sensor. • Correct the problem of the belt centering mechanism • Set the belt again.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC472-00	D	Belt Centering Roller Motor HP error
		<ul style="list-style-type: none"> When the initial photosensor output is Low (feeler absent): The photosensor ON signal cannot be detected even after driving the motor by the specified number of pulses in CCW direction. When the initial photosensor output is High (feeler present): The photosensor OFF signal cannot be detected even after driving the motor at 1000pps by the specified number of pulses in CW direction and then driving the motor at 1000pps by the specified number of pulses in CCW direction.
		<ul style="list-style-type: none"> ITB Belt Centering Roller Sensor error
		<ul style="list-style-type: none"> Replace the ITB Belt Centering Roller Sensor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC474-01	D	ITB position error 1
		The absolute value of the belt position after moving average processing is larger than specified.
		<ul style="list-style-type: none"> ITB Belt Centering Sensor error Problem with the belt centering mechanism
		<ul style="list-style-type: none"> Replace the ITB Belt Centering Sensor. Correct the problem of the belt centering mechanism Set the belt again.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC474-02	D	ITB position error 2

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		ITB Belt Overrun Sensor (Front) ON has been detected for 10ms x 10 times consecutively.
		<ul style="list-style-type: none"> • Belt initial set position error • ITB Belt Centering Sensor error • ITB Belt Overrun Sensor (Front) error • Problem with the belt centering mechanism
		<ul style="list-style-type: none"> • Set the belt again. • Replace the ITB Belt Overrun Sensor (Front).

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC474-03	D	ITB position error 3
		ITB Belt Overrun Sensor (Rear) ON has been detected for 10ms x 10 times consecutively.
		<ul style="list-style-type: none"> • Belt initial set position error • ITB Belt Centering Sensor error • ITB Belt Overrun Sensor (Rear) error • Problem with the belt centering mechanism
		<ul style="list-style-type: none"> • Set the belt again. • Replace the ITB Belt Overrun Sensor (Rear).

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC477-01	D	ITB Belt Centering Sensor error
		The voltage of the ITB Belt Centering Sensor is lower than the threshold value.
		ITB Belt Centering Sensor error
		Replace the ITB Belt Centering Sensor

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC477-02	D	ITB Belt Centering Sensor light adjustment error

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The voltage of the ITB Belt Centering Sensor is lower than the threshold value and the PWM value of the output voltage VL is the maximum (80%) for a specified number of samples consecutively.</p> <ul style="list-style-type: none"> ITB Belt Centering Sensor error ITB Belt Centering Sensor smudged
		<ul style="list-style-type: none"> Replace or clean the ITB Belt Centering Sensor. Initialize the PWM value of the ITB Belt Centering Sensor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC481-01	D	Drum cleaning HVP error (Bk: Leak)
SC481-02	D	Drum cleaning HVP error (YMC: Leak)
		<p>SC has been detected 50 times (500msec) consecutively in 10 ms samplings.</p> <p>Details:</p> <p>When the output of the Drum cleaning HVP is leaking, the Drum cleaning HVP detects it as an SC signal.</p> <p>The IOB checks for SC signals as described above during imaging.</p> <p>Check with which HVP the problem occurred.</p>
		Short-circuit of the mainframe or the unit
		<p>Disconnect the high-voltage cable from the output terminal of the corresponding Drum cleaning HVP, and check the following items.</p> <ol style="list-style-type: none"> PWM: T1 signal check for the corresponding color If signal does not change during imaging, replace the cable or the IOB. Output check of the Drum cleaning HVP of the corresponding color If output does not change during imaging, replace the HVP. If output is normal during imaging, replace the Drum cleaning unit.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC481-03	D	Drum cleaning HVP error (Bk: Applied voltage feedback error)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC481-04	D	Drum cleaning HVP error (YMC: Applied voltage feedback error)
		<p>SC has been detected 50 times (500msec) consecutively in 10 ms samplings.</p> <p>Details:</p> <p>3KV or higher has been detected as the feedback voltage of the electrostatic HB of each color.</p>
		<ul style="list-style-type: none"> • Power source failure • Connector disconnected
		<ul style="list-style-type: none"> • Fix or replace the electrostatic HB power source. • Check the harness/connector of the electrostatic HB power source.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC485-00	D	Waste toner lock (Waste Toner Transport Motor (Upper))
		The motor lock error signal of the Waste Toner Transport Motor (Upper) has been detected for 600ms or longer. However, the motor lock error signal is masked for 2000msec after startup. Sampling of the lock signal starts after this period.
		Identify the cause in the following order. <ol style="list-style-type: none"> 1. Check if the rotor of the Waste Toner Transport Motor (Upper) can be rotated by hand. If it can, check 2 to 4. 2. Disconnected connector: Check for improperly connected connectors among the Waste Toner Transport Motor (Upper) connectors, relay harnesses and boards. 3. Broken harness: Check the harnesses between the Waste Toner Transport Motor (Upper) and the boards visually. 4. Motor defective (Waste Toner Transport Motor (Upper)): Check if normal operation is resumed by replacing the motor.
		<ol style="list-style-type: none"> 1. If the Waste Toner Transport Motor (Upper) cannot be rotated by hand, replace the Waste toner transport path (upper). If it can, execute 2 to 4. 2. Push the incorrectly connected connectors further. 3. Replace the broken harness. 4. Replace the motor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC486-00	D	Waste toner lock (Waste Toner Transport Motor (Lower))
		<p>The motor lock error signal of the Waste Toner Transport Motor (Lower) has been detected for 600ms or longer.</p> <p>However, the motor lock error signal is masked for 2000msec after startup. Sampling of the lock signal starts after this period.</p>
		<p>Identify the cause in the following order.</p> <ol style="list-style-type: none"> 1. Check if the rotor of the Waste Toner Transport Motor (Lower) can be rotated by hand. If it can, check 2 to 4. 2. Disconnected connector: Check for improperly connected connectors among the Waste Toner Transport Motor (Lower) connectors, relay harnesses and boards. 3. Broken harness: Check the harnesses between the Waste Toner Transport Motor (Lower) and the boards visually. 4. Motor defective (Waste Toner Transport Motor (Lower)): Check if normal operation is resumed by replacing the motor.
		<ol style="list-style-type: none"> 1. If the Waste Toner Transport Motor (Lower) cannot be rotated by hand, replace the Waste toner transport path (lower). If it can, execute 2 to 4. 2. Push the incorrectly connected connectors further. 3. Replace the broken harness. 4. Replace the motor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC488-00	D	Waste toner lock (torque limiter)
		<ul style="list-style-type: none"> Lock sensor has detected the ON signal or OFF signal (feeler present or absent) for 2 seconds continuously. The waste toner lock sensor of the mainframe has detected an ON signal lasting 100ms or shorter 5 times consecutively.
		<p>Identify the cause in the following order.</p> <ol style="list-style-type: none"> Clogging in the toner transport section: Grip the transporter tube to check if it has become stiff because of clogging toner. Also, rotate the rotor of the Waste Toner Transport Motor (Lower) by hand and see if the torque limiter works. If it does, then there is clogging toner. Disconnected connector: Check for improperly connected connectors among the Waste Toner Transport Motor (Lower) connectors, relay harnesses and boards. Broken harness: Check the harnesses between the transport motor and the boards visually. Motor defective (Waste Toner Transport Motor (Lower)): Check if normal operation is resumed by replacing the motor.
		<ol style="list-style-type: none"> Repeat the following steps until the torque limiter does not work when the rotor of the Waste Toner Transport Motor (Lower) is rotated by hand. <ul style="list-style-type: none"> Draw out the waste toner bottle, open the shutter of the bottle joint and vacuum off the clogging toner. Knead the toner clogging inside the transporter tube, and then vacuum it off. Push the incorrectly connected connectors further. Replace the broken harness. Replace the motor.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC496-11	C	ID sensor sampling error (front patch shortage)
SC496-12	C	ID sensor sampling error (center patch shortage)
SC496-13	C	ID sensor sampling error (rear patch shortage)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC496-21	C	ID sensor sampling error (paper transfer belt scratched: front side)
SC496-22	C	ID sensor sampling error (paper transfer belt scratched: center)
SC496-23	C	ID sensor sampling error (paper transfer belt scratched: rear side)
SC496-24	C	ID sensor sampling error (paper transfer belt scratched: front side: Paper Interval MUSIC: sub)
SC496-25	C	ID sensor sampling error (paper transfer belt scratched: center: Paper Interval MUSIC: sub)
SC496-26	C	ID sensor sampling error (paper transfer belt scratched: rear side: Paper Interval MUSIC: sub)
SC496-27	C	ID sensor sampling error (paper transfer belt scratched: front side: Paper Interval MUSIC: main)
SC496-28	C	ID sensor sampling error (paper transfer belt scratched: center: Paper Interval MUSIC: main)
SC496-29	C	ID sensor sampling error (paper transfer belt scratched: rear side: Paper Interval MUSIC: main)
SC496-30	C	ID sensor sampling error (paper transfer belt scratched: multiple positions)
SC496-41	C	ID sensor sampling error (cyan sub scan position)
SC496-42	C	ID sensor sampling error (magenta sub scan position)
SC496-43	C	ID sensor sampling error (yellow sub scan position)
SC496-51	C	ID sensor sampling error (cyan main scan position)
SC496-52	C	ID sensor sampling error (magenta main scan position)
SC496-53	C	ID sensor sampling error (yellow main scan position)
SC496-61	C	ID sensor sampling error (cyan main scan magnification)
SC496-62	C	ID sensor sampling error (magenta main scan magnification)
SC496-63	C	ID sensor sampling error (yellow main scan magnification)
SC496-71	C	ID sensor sampling error (cyan L/R magnification)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC496-72	C	ID sensor sampling error (magenta L/R magnification)
SC496-73	C	ID sensor sampling error (yellow L/R magnification)
SC496-81	C	ID sensor sampling error (cyan skew)
SC496-82	C	ID sensor sampling error (magenta skew)
SC496-83	C	ID sensor sampling error (yellow skew)
		<p>Any of the following occurred.</p> <ul style="list-style-type: none"> • Could not detect the trigger voltage. • Patch number error • Paper transfer belt cracking error • Failed the shift length test. • Shift length is long.
		<ul style="list-style-type: none"> • Cracked or dirty belt • Belt not centered • Sensor dirty or defective • Patten density error
		<ol style="list-style-type: none"> 1. For SC496-41 or larger, power off and on the main machine. 2. Especially for SC496-11 to 13, check image density (Execute density adjustment ProCon.) 3. Especially for SC496-21 to 23 and 30, check the paper transfer belt (cleaning, replacement). 4. Check the ID sensor (cleaning, replacement).

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC497-01	D	Temperature/Humidity Sensor Error (PCU1)
SC497-02	D	Temperature/Humidity Sensor Error (PCU2)
SC498-00	D	Temperature/Humidity Sensor Error (Main)

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>One of the following occurred with Temperature/Humidity Sensor (PCU1/PCU2/Main).</p> <ul style="list-style-type: none"> The temperature sensor output was less than 0.5V or more than 2.8V (which indicate 57.3 °C and higher or -6.6 °C and lower) for three seconds (100ms x 30), indicating a problem with the temperature sensor. The humidity sensor output was more than 2.4V for three seconds (100ms x 30), indicating a problem with the humidity sensor. <p>Details:</p> <p>Detection is repeated after power off/on.</p> <p>If either of 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 °C (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 Sensor defective
		<ul style="list-style-type: none"> Check for disconnected connectors or broken harnesses around the temperature/humidity sensors. Replace the temperature/humidity sensor. <p>Note</p> <ul style="list-style-type: none"> Use the following as criteria to determine if there is an error. <ul style="list-style-type: none"> Temperature/Humidity Sensor Error (Main): The value is very different from the environment temperature/humidity. Temperature/Humidity Sensor Error (PCU1/PCU2): The values of 2 sensors are very different. The values are fixed at 23 °C (temperature) and 50% (humidity) and do not change in accordance with the change in the environment.

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
SC499-03	C	ITB Belt Speed Sensor error: Not during light amount adjustment
SC499-40	C	ITB Belt Speed Sensor error: During light amount adjustment

SC NO.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> <li>• SC499-03 ITB Belt Speed Sensor error occurred when light amount adjustment is not being conducted (during normal operation, MUSIC/ProCon, initial phase acquisition, or encoder speed adjustment value acquisition) and belt scale became unreadable. <li>• SC499-40 ITB Belt Speed Sensor error occurred during light amount adjustment and belt scale became unreadable. <hr/> <ul style="list-style-type: none"> <li>• Belt scale is dirty. <li>• Scale sensor photoreceiver is dirty. <li>• Scale sensor defective <li>• Harness earth fault/disconnection <li>• ITB drawer contact error <li>• TDRB board defective <li>• TDCU board defective <hr/> <ul style="list-style-type: none"> <li>• Clean the belt scale. <li>• Clean the scale sensor. <li>• Conduct scale sensor light amount adjustment. <li>• Replace the scale sensor. <li>• Fix the problem of the harness. <li>• Reinstall the ITB drawer. <li>• Replace the TDRB board. <li>• Replace the TDCU board.

SC500 (Engine: Paper Transport, Fusing)

SC501-02 to SC598-00

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-02	B	1st Tray Error (Lifting Timeout)
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-03	B	1st Tray Error (Lowering Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-04	B	1st Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Decrease the sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-05	B	1st Tray Error (Bottom plate ascending too much)
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-06	B	1st Tray Error (Separation Front Fan error)
SC501-07	B	1st Tray Error (Separation Rear Fan error)
SC501-08	B	1st Tray Error (Float Fan error)
SC501-09	B	1st Tray Error (Separation Fan error)
SC501-10	B	1st Tray Error (Suction Fan 1 error)
SC501-11	B	1st Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-12	C	1st Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-13	C	1st Tray Error (Paper Height Sub Sensor error)
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-14	B	1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-02	B	2nd Tray Error (Lifting Timeout)
		Either of the following conditions has been detected 5 times consecutively in total.
		<ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-03	B	2nd Tray Error (Lowering Timeout)
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-04	B	2nd Tray Error (Paper overload error)
		<p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Decrease the sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-05	B	2nd Tray Error (Bottom plate ascending too much)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-06	B	2nd Tray Error (Separation Front Fan error)
SC502-07	B	2nd Tray Error (Separation Rear Fan error)
SC502-08	B	2nd Tray Error (Float Fan error)
SC502-09	B	2nd Tray Error (Separation Fan error)
SC502-10	B	2nd Tray Error (Suction Fan 1 error)
SC502-11	B	2nd Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-12	C	2nd Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-13	C	2nd Tray Error (Paper Height Sub Sensor error)
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-14	B	2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-02	B	LCT1 1st Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-03	B	LCT1 1st Tray Error (Lowering Timeout)
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Paper Height Middle Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-04	B	LCT1 1st Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <p>If vacuum feed banner sheet tray is installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Paper Height Middle Sensor were both ON 5 times consecutively.</p>
		<ul style="list-style-type: none"> • Paper overload • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • Lower Limit Sensor defective/disconnected (If vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected (If vacuum feed banner sheet tray is installed) • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace or reconnect the Lower Limit Sensor (If vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor (If vacuum feed banner sheet tray is installed). • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-05	B	LCT1 1st Tray Error (Bottom plate ascending too much)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-06	B	LCT1 1st Tray Error (Separation Front Fan error)
SC503-07	B	LCT1 1st Tray Error (Separation Rear Fan error)
SC503-08	B	LCT1 1st Tray Error (Float Fan error)
SC503-09	B	LCT1 1st Tray Error (Separation Fan error)
SC503-10	B	LCT1 1st Tray Error (Suction Fan 1 error)
SC503-11	B	LCT1 1st Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-12	C	LCT1 1st Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-13	C	LCT1 1st Tray Error (Paper Height Sub Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-14	B	LCT1 1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-02	B	LCT1 2nd Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-03	B	LCT1 2nd Tray Error (Lowering Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-04	B	LCT1 2nd Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-05	B	LCT1 2nd Tray Error (Bottom plate ascending too much)
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-06	B	LCT1 2nd Tray Error (Separation Front Fan error)
SC504-07	B	LCT1 2nd Tray Error (Separation Rear Fan error)
SC504-08	B	LCT1 2nd Tray Error (Float Fan error)
SC504-09	B	LCT1 2nd Tray Error (Separation Fan error)
SC504-10	B	LCT1 2nd Tray Error (Suction Fan 1 error)
SC504-11	B	LCT1 2nd Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-12	C	LCT1 2nd Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-13	C	LCT1 2nd Tray Error (Paper Height Sub Sensor error)
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC504-14	B	LCT1 2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-02	B	LCT2 1st Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-03	B	LCT2 1st Tray Error (Lowering Timeout)
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Paper Height Middle Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-04	B	LCT2 1st Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <p>If vacuum feed banner sheet tray is installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Paper Height Middle Sensor were both ON 5 times consecutively.</p>
		<ul style="list-style-type: none"> • Paper overload • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • Lower Limit Sensor defective/disconnected (If vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected (If vacuum feed banner sheet tray is installed) • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace or reconnect the Lower Limit Sensor (If vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor (If vacuum feed banner sheet tray is installed). • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-05	B	LCT2 1st Tray Error (Bottom plate ascending too much)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-06	B	LCT2 1st Tray Error (Separation Front Fan error)
SC505-07	B	LCT2 1st Tray Error (Separation Rear Fan error)
SC505-08	B	LCT2 1st Tray Error (Float Fan error)
SC505-09	B	LCT2 1st Tray Error (Separation Fan error)
SC505-10	B	LCT2 1st Tray Error (Suction Fan 1 error)
SC505-11	B	LCT2 1st Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-12	C	LCT2 1st Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-13	C	LCT2 1st Tray Error (Paper Height Sub Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-14	B	LCT2 1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-02	B	LCT2 2nd Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-03	B	LCT2 2nd Tray Error (Lowering Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-04	B	LCT2 2nd Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-05	B	LCT2 2nd Tray Error (Bottom plate ascending too much)
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-06	B	LCT2 2nd Tray Error (Separation Front Fan error)
SC506-07	B	LCT2 2nd Tray Error (Separation Rear Fan error)
SC506-08	B	LCT2 2nd Tray Error (Float Fan error)
SC506-09	B	LCT2 2nd Tray Error (Separation Fan error)
SC506-10	B	LCT2 2nd Tray Error (Suction Fan 1 error)
SC506-11	B	LCT2 2nd Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-12	C	LCT2 2nd Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-13	C	LCT2 2nd Tray Error (Paper Height Sub Sensor error)
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC506-14	B	LCT2 2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-02	B	LCT3 1st Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-03	B	LCT3 1st Tray Error (Lowering Timeout)
		<p>If vacuum feed banner sheet tray is not installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started. <p>If vacuum feed banner sheet tray is installed</p> <p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Paper Height Middle Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected (if vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor (if vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-04	B	LCT3 1st Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>If vacuum feed banner sheet tray is not installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <p>If vacuum feed banner sheet tray is installed</p> <p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Paper Height Middle Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • Lower Limit Sensor defective/disconnected (If vacuum feed banner sheet tray is not installed) • Paper Height Middle Sensor defective/disconnected (If vacuum feed banner sheet tray is installed) • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace or reconnect the Lower Limit Sensor (If vacuum feed banner sheet tray is not installed). • Replace or reconnect the Paper Height Middle Sensor (If vacuum feed banner sheet tray is installed). • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-05	B	LCT3 1st Tray Error (Bottom plate ascending too much)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-06	B	LCT3 1st Tray Error (Separation Front Fan error)
SC507-07	B	LCT3 1st Tray Error (Separation Rear Fan error)
SC507-08	B	LCT3 1st Tray Error (Float Fan error)
SC507-09	B	LCT3 1st Tray Error (Separation Fan error)
SC507-10	B	LCT3 1st Tray Error (Suction Fan 1 error)
SC507-11	B	LCT3 1st Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-12	C	LCT3 1st Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-13	C	LCT3 1st Tray Error (Paper Height Sub Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC507-14	B	LCT3 1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-02	B	LCT3 2nd Tray Error (Lifting Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the Paper Height Middle Sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the Paper Height Middle Sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-03	B	LCT3 2nd Tray Error (Lowering Timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>Either of the following conditions has been detected 5 times consecutively in total.</p> <ul style="list-style-type: none"> • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the Paper Height Middle Sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the Paper Height Middle Sensor are still OFF 40 seconds after the lift motor started.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-04	B	LCT3 2nd Tray Error (Paper overload error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.</p> <ul style="list-style-type: none"> • Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-05	B	LCT3 2nd Tray Error (Bottom plate ascending too much)
		<p>The tray is set and the Over Limit Sensor detected that the bottom plate ascended too much.</p> <ul style="list-style-type: none"> • Over Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the Over Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-06	B	LCT3 2nd Tray Error (Separation Front Fan error)
SC508-07	B	LCT3 2nd Tray Error (Separation Rear Fan error)
SC508-08	B	LCT3 2nd Tray Error (Float Fan error)
SC508-09	B	LCT3 2nd Tray Error (Separation Fan error)
SC508-10	B	LCT3 2nd Tray Error (Suction Fan 1 error)
SC508-11	B	LCT3 2nd Tray Error (Suction Fan 2 error)
		<p>During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).</p> <ul style="list-style-type: none"> • Fan defective/disconnected • Harness to the corresponding fan is broken. • PCB defective <ul style="list-style-type: none"> • Replace or reconnect the fan. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-12	C	LCT3 2nd Tray Error (Paper Height Middle Sensor or Lower Limit Sensor error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the Paper Height Middle Sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the Paper Height Middle Sensor were ON for 100 msec.
		<ul style="list-style-type: none"> • Lower Limit Sensor defective/disconnected • Paper Height Middle Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Paper Height Middle Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-13	C	LCT3 2nd Tray Error (Paper Height Sub Sensor error)
		<ul style="list-style-type: none"> • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the Paper Height Sub Sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		<ul style="list-style-type: none"> • Lift motor defective/disconnected • Paper Height Sub Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift motor. • Replace or reconnect the Paper Height Sub Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-14	B	LCT3 2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		<ul style="list-style-type: none"> • The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-01	B	Bypass Tray Error (Upper Limit Detection Error)
		The following status was detected 5 times consecutively at the beginning of tray initialization: the Upper Limit Sensor was OFF before Pickup Solenoid is ON.
		<ul style="list-style-type: none"> • Pickup Solenoid defective or disconnected • Upper Limit Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Pickup Solenoid. • Replace or reconnect the Upper Limit Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-02	B	Bypass Tray Error (Lifting Timeout)
		During tray initialization, the bottom plate was lifted but the Upper Limit Sensor does not become ON within 10 seconds.
		<ul style="list-style-type: none"> • Lift Motor defective or disconnected • Upper Limit Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift Motor. • Replace or reconnect the Upper Limit Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-03	B	Bypass Tray Error (Lowering Timeout)
		At Paper End, or when the Lift Switch was pressed with the bottom plate at the upper limit position, the bottom plate was lowered but the Lower Limit Sensor does not become ON within 10 seconds.
		<ul style="list-style-type: none"> • Lift Motor defective or disconnected • Lower Limit Sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Lift Motor. • Replace or reconnect the Lower Limit Sensor. • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC510-01	D	Double Feed Detection Board not set properly
		During operation check at startup, error (bit0=1) was detected in the double feed detection output configuration monitor register (FPGA_DFOUT /ADD00308h).
		<ul style="list-style-type: none"> • Controller board (IOB1, DRB, URTB, URRB) defective • Harness broken or connector not set properly
		<p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the sensor or harness. • Check for foreign objects and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC511-01	B	LCT1 Exit Roller Contact Motor Error
SC511-02	B	LCT2 Exit Roller Contact Motor Error
SC511-03	B	LCT3 Exit Roller Contact Motor Error
		<ul style="list-style-type: none"> • When the pressure release HP sensor is detecting "H (interception)", the Exit Roller Contact Motor is driven a specified number of pulses but the pressure release HP sensor is still detecting "H (interception)". • When the pressure release HP sensor is detecting "L (transmission)", the Exit Roller Contact Motor is driven a specified number of pulses but the pressure release HP sensor is still detecting "L (transmission)".
		<ul style="list-style-type: none"> • LCT Exit Roller Contact Motor defective/disconnected • Pressure release HP sensor defective/disconnected • A harness to one of the parts listed above is broken. • PCB defective
		<ul style="list-style-type: none"> • Replace or reconnect the Exit Roller Contact Motor. • Replace or reconnect the pressure release HP sensor • Replace the broken harness. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC512-00	D	Rotary Gate HP Error
		<ul style="list-style-type: none"> • Home position ON was not detected between Rotary Gate Motor start and 2 rotations. • Home position OFF was not detected between home position ON and 2 rotations. (The time it takes for 2 rotations is 877 msec.)
		<ul style="list-style-type: none"> • Rotary Gate Motor connector disconnected or defective • HP Sensor connector disconnected or defective • Malfunction caused by overload • Malfunction caused by a broken motor driver • Sensor masking plate deformed, damaged or not improperly set
		<p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the motor, sensor or harness. • Check the load or foreign objects of the driving parts and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC513-01	D	Shift Unit HP Error (Initial error)
SC513-02	D	Shift Unit HP Error (Continuous error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • SC513-01 Home position ON or OFF is not detected within a specified period of time. <ol style="list-style-type: none"> 1. During normal homing operation (Initialization for power ON and closing of the front door) <ul style="list-style-type: none"> • Home position ON is detected before the Shift Roller Motor is driven in the CW direction. • Home position ON is not detected after the Shift Roller Motor is driven 40msec in the CW direction. 2. During homing operation from an unspecified position <ul style="list-style-type: none"> • Home position OFF to ON or ON to OFF is not detected after 2 rotations (1068msec from the start of rotation) of the Shift Roller Motor in CCW direction. • SC513-02 Home position ON or OFF is not detected within a specified period of time. <ol style="list-style-type: none"> 1. During normal homing operation (Initialization during continuous printing) <ul style="list-style-type: none"> • Home position ON is detected before the Shift Roller Motor is driven in the CW direction. • Home position ON is not detected after the Shift Roller Motor is driven 40msec in the CW direction.
		<ul style="list-style-type: none"> • Shift Roller Motor disconnected or defective • HP sensor disconnected or defective • Malfunction caused by overload • Malfunction caused by defective motor driver • Sensor masking plate deformed, damaged or not improperly set
		<p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the motor, sensor or harness. • Check the load or foreign objects of the driving parts and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC514-00	C	Exit Junction Gate HP Error
SC515-01	D	Contact Motor Error (Registration Roller HP Sensor 1)
SC515-02	D	Contact Motor Error (Registration Roller HP Sensor 2)
SC515-03	B	Contact Motor Error (Paper Exit Inverter Roller HP Sensor)
SC515-04	B	Contact Motor Error (Duplex Inverter Roller HP Sensor)
		<p>HP Sensor does not become ON after the motor is driven for 400 msec (in which it passes the HP twice).</p> <ul style="list-style-type: none"> • Contact Motor defective or disconnected • HP sensor defective or disconnected • Overload caused by pieces of paper left over (narrowed stroke). <p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the motor, sensor or harness. • Check the load or foreign objects of the driving parts and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC516-01	D	De-curler HP Error (De-curler Unit HP Sensor 1)
SC516-02	D	De-curler HP Error (De-curler Unit HP Sensor 2)
		<p>Home position is not detected for 2.5 seconds while the motor is rotated.</p> <ul style="list-style-type: none"> • De-curler Unit Motor defective or disconnected • HP sensor defective or disconnected • Overload caused by pieces of paper left over (narrowed stroke). <p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the motor, sensor or harness. • Check the load or foreign objects of the driving parts and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC517-01	D	Belt Centering Roller (Upper) HP Error
SC517-02	D	Belt Centering Roller (Lower) HP Error
		<p>Home position ON is not detected within a specified period of time. SC is issued when Home position of the corresponding Belt Centering Roller Motor is not detected within 110 pulses (99 degrees).</p> <ul style="list-style-type: none"> • HP sensor disconnected or defective • Motor disconnected • Motor driver defective • Motor defective • Sensor masking plate deformed, damaged or not properly set <p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> • Check or replace the motor, sensor or harness. • Check the load or foreign objects of the driving parts and check the sensor masking plate. • Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC518-01	D	Paper Cooling Belt (Upper) Overrun Error
SC518-02	D	Paper Cooling Belt (Lower) Overrun Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> <li>• SC518-01 <li><While the Paper Cooling Belt Motor is driven> <li>Belt Centering Roller Sensor 1 (Upper) is ON and Belt Centering Roller Sensor 2 (Upper) is ON. <li><At the start of Paper Cooling Belt Motor drive> At the start of a print job, at power on, or when a door is open <li>Belt Centering Roller Sensor 1 (Upper) is ON and Belt Centering Roller Sensor 2 (Upper) is ON. <li>• SC518-02 <li><While the Paper Cooling Belt Motor is driven> <li>Belt Centering Roller Sensor 1 (Lower) is ON and Belt Centering Roller Sensor 2 (Lower) is ON. <li><At the start of Paper Cooling Belt Motor drive> At the start of a print job, at power on, or when a door is open <li>Belt Centering Roller Sensor 1 (Lower) is ON and Belt Centering Roller Sensor 2 (Lower) is ON.
		<ul style="list-style-type: none"> <li>• Motor disconnected <li>• Motor driver defective <li>• Motor defective <li>• Edge deformation, warpage, breakage or improper installation of the belt
		<p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> <li>• Check or replace the motor, sensor or harness. <li>• Check the load or foreign objects of the driving parts and check the sensor masking plate. <li>• Check or replace the PCB. <li>• Replace the belt.

Additional Information about SC518-01 and SC518-02

Symptom

SC518-01: Paper Cooling Belt (Upper) Overrun Error or SC518-02: Paper Cooling Belt (Lower) Overrun Error appears even though the belt is inserted in the opening of the belt overrun sensor correctly.

(See the related diagrams in page 1210 "Paper Cooling Belt (Upper)" and page 1215 "Paper Cooling Belt (Lower)").

Cause

The amount of cooling belt shifting exceeds the normal range.

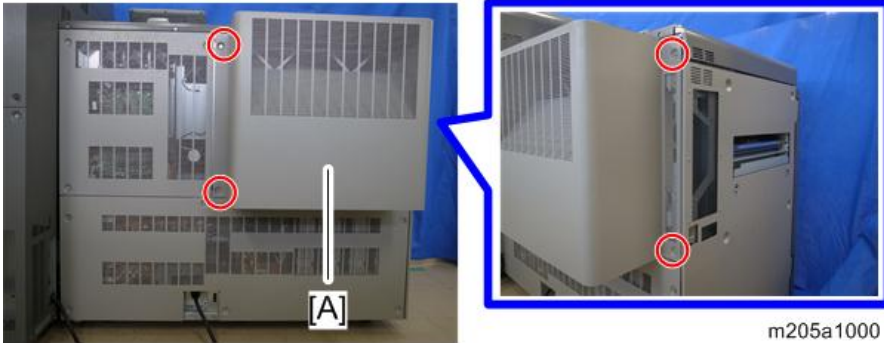
Action

- Adjust the amount of cooling belt shifting to be within the normal range.
- Confirm that the belt centering roller sensor home position plate is in the correct position.

For the Upper Cooling Belt

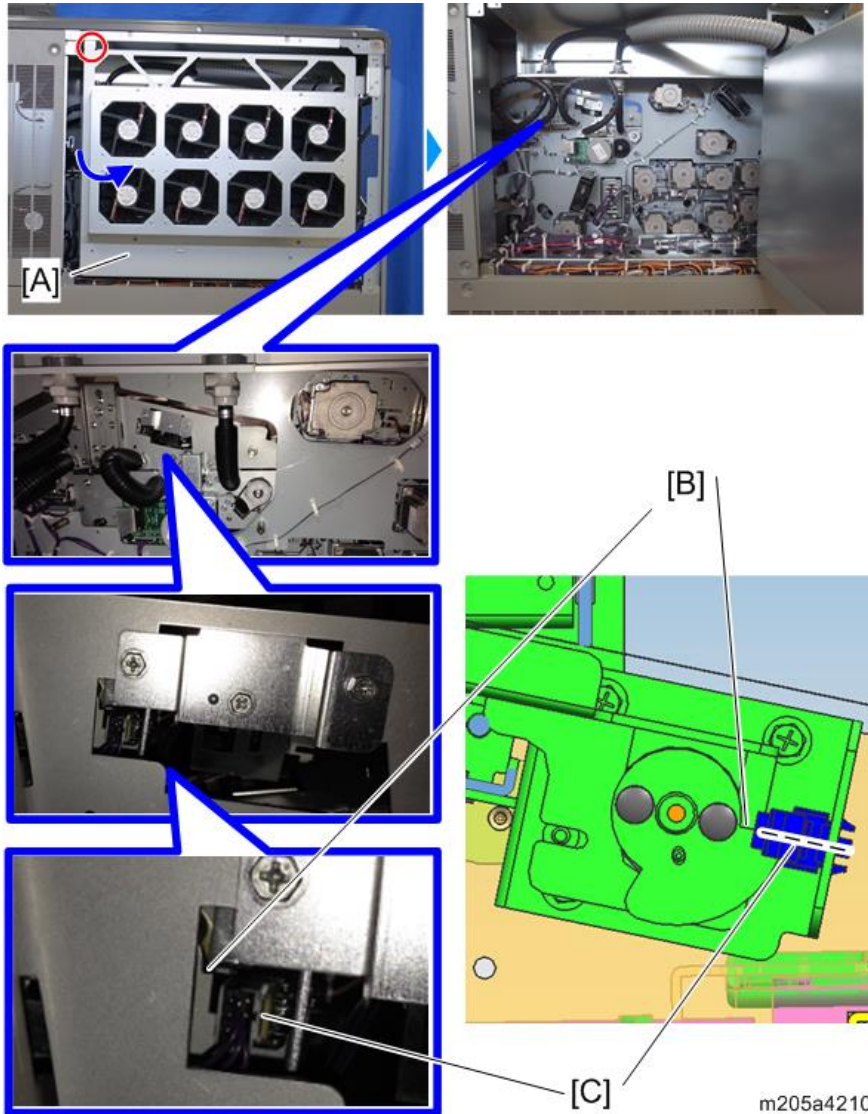
1. Remove the duct cover [A] (fusing section). (🔧×4)

See page 700 "Duct Cover (Fusing Section)" for more details.

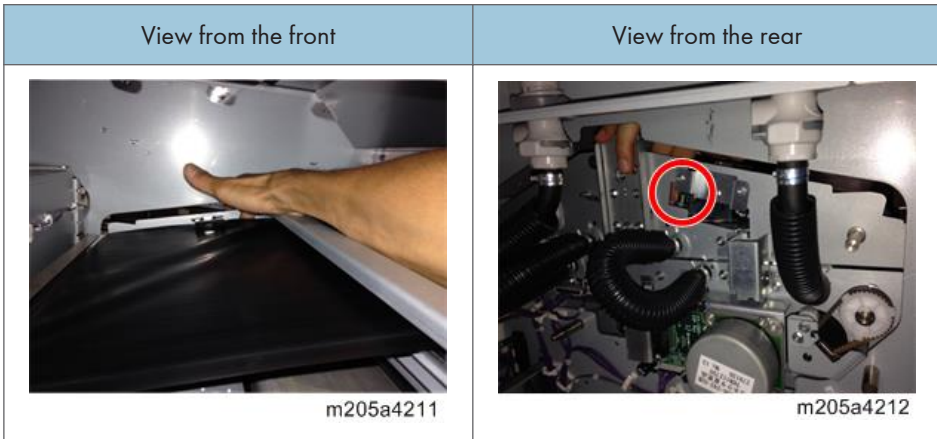


2. Open the radiator unit [A]. (🔧×1) (See page 1430 "De-curler Motor Cooling Fan".)

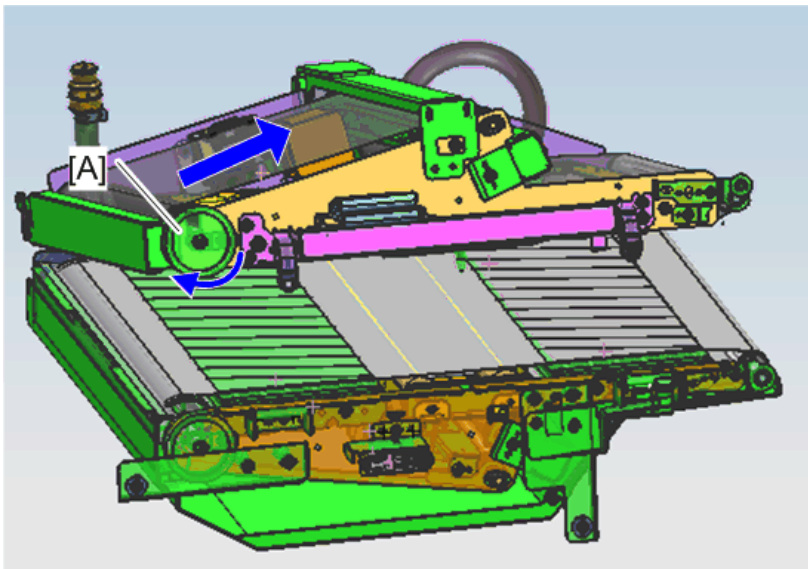
3. Check if the edge [B] of the upper belt centering roller sensor home position plate is at the middle of the upper belt centering roller sensor [C].



If the edge [B] of the upper belt centering roller sensor home position plate is **not** at the middle of the upper belt centering roller sensor [C], insert your hand and adjust the position of the upper belt centering roller sensor home position plate [B] with your finger as shown in the photos below. (Insert your hand and adjust from the front, then go to the rear and check if the adjustment is correct.)

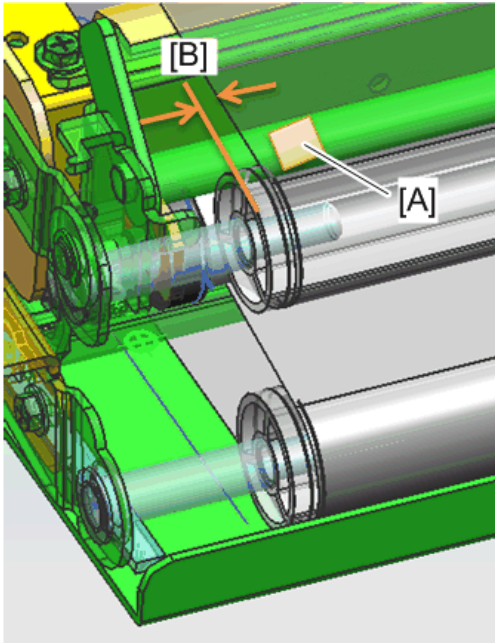


4. Rotate the paper cooling belt (upper) about 5 times (by manually rotating the gear [A]) until the belt moves smoothly.



5. Put a piece of adhesive paper [A] on the belt to use as an indicator of the rotation start point.

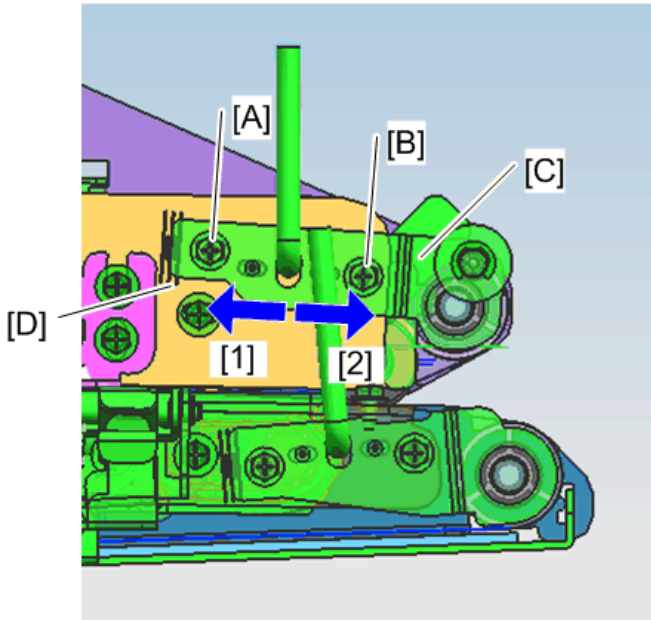
6. Measure the distance between the edge of the roller and the edge of the belt [B].



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7. Rotate the paper cooling belt (upper) once. Then measure the distance between the edges of the roller and the belt again, and compare it with the initial distance to see how much it has changed with one rotation of the belt. If the difference is 0.5 mm or

larger, loosen 2 M3 screws ([A], [B]) and move the adjuster plate [C] until the difference is smaller than 0.5 mm.



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[D]: Graduations

Move the adjuster plate in the following direction one graduation at a time.

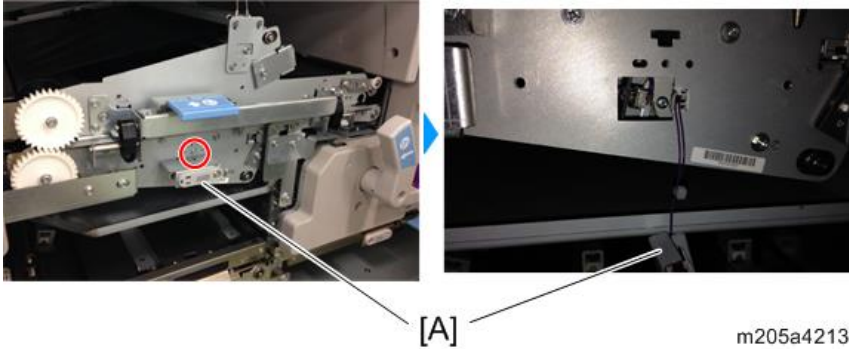
- If the cooling belt (upper) has shifted to the rear side: Move the adjuster plate in the direction [1].
- If the cooling belt (upper) has shifted to the front side: Move the adjuster plate in the direction [2].

Note

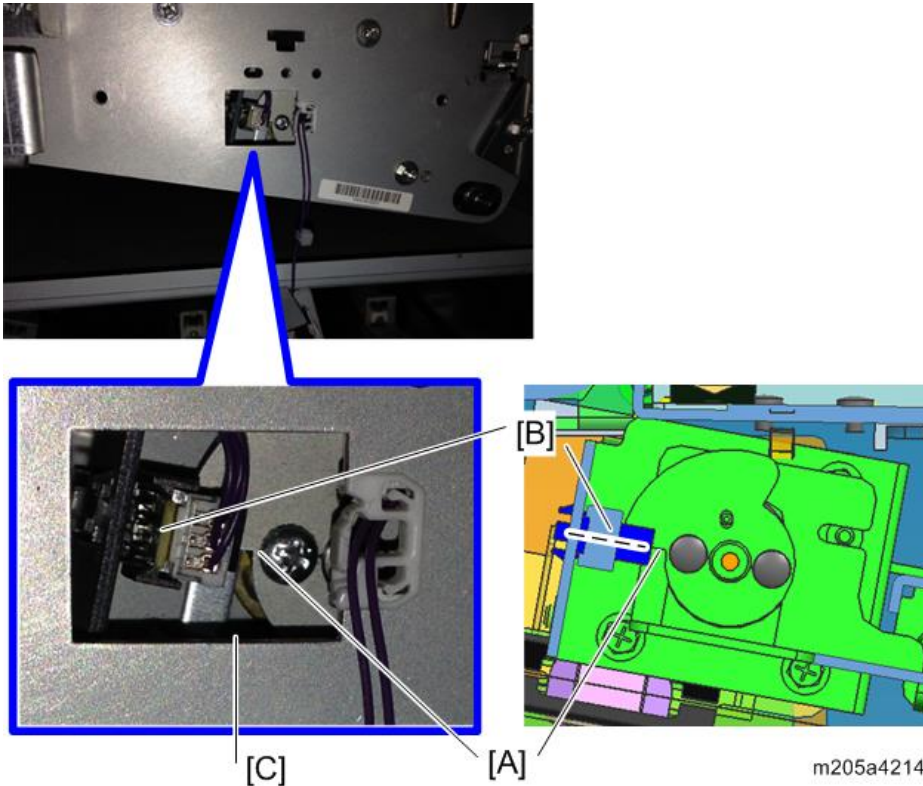
- Remove the adhesive paper put on the belt in step 4 after the adjustment is completed.

For the lower cooling belt

1. Remove the LED cover bracket [A] (1 screw). (⚙️×1)

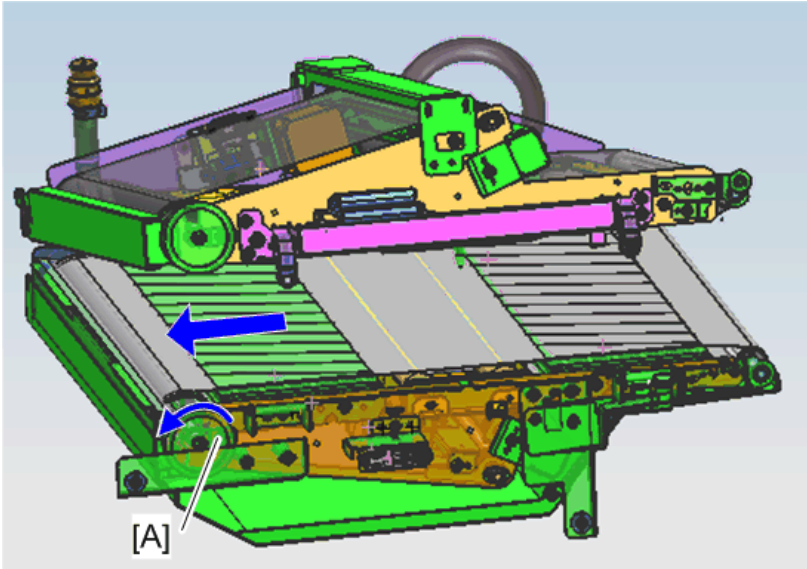


2. Check if the edge [A] of the lower belt centering roller sensor home position plate is at the middle of the lower belt centering roller sensor [B].



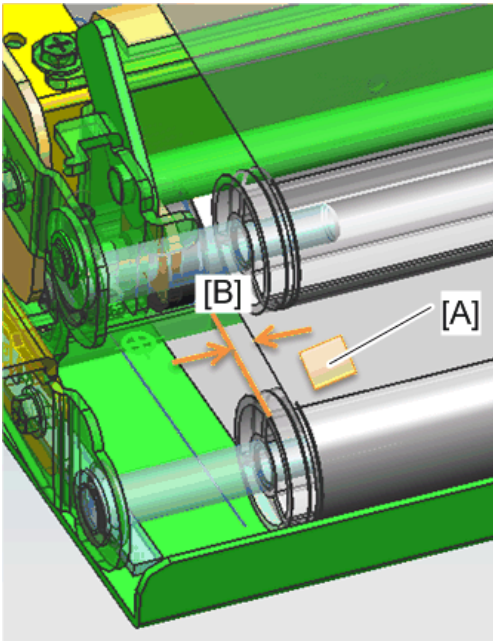
If the edge [A] of the lower belt centering roller sensor home position plate is **not** at the middle of the lower belt centering roller sensor [B], insert your finger into the opening [C] and adjust the position of the lower belt centering roller sensor home position plate [A] (for the lower cooling belt mechanism, it is not necessary to go to the other side of the machine to check).

3. Rotate the paper cooling belt (lower) about 5 times (by manually rotating the gear [A]) until the belt moves smoothly.



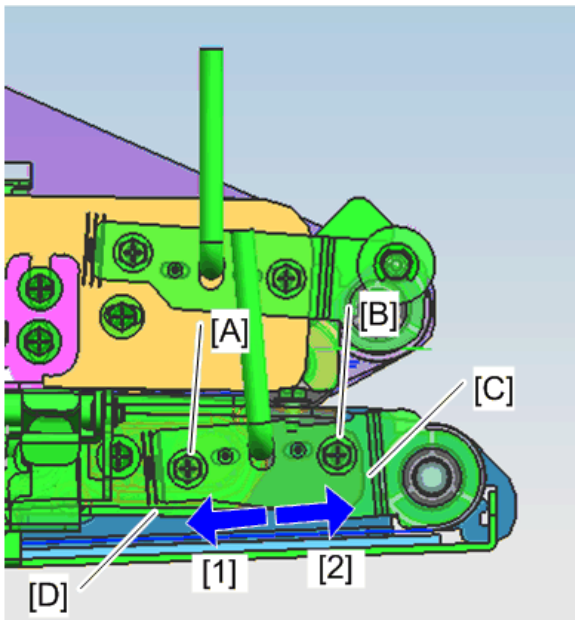
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4. Put a piece of adhesive paper [A] on the belt to use as an indicator of the rotation start point.
5. Measure the distance between the edge of the roller and the edge of the belt [B].



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6. Rotate the paper cooling belt (lower) once. Then measure the distance between the edges of the roller and the belt again, and compare it with the initial distance to see how much it has changed with one rotation of the belt. If the difference is 0.5 mm or larger, loosen 2 M3 screws ([A], [B]) and move the adjuster plate [C] until the difference is smaller than 0.5 mm.



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[D]: Graduations

Move the adjuster plate in the following direction one graduation at a time.

- If the cooling belt (lower) has shifted to the rear side: Move the adjuster plate in the direction [1].
- If the cooling belt (lower) has shifted to the front side: Move the adjuster plate in the direction [2].

↓ Note

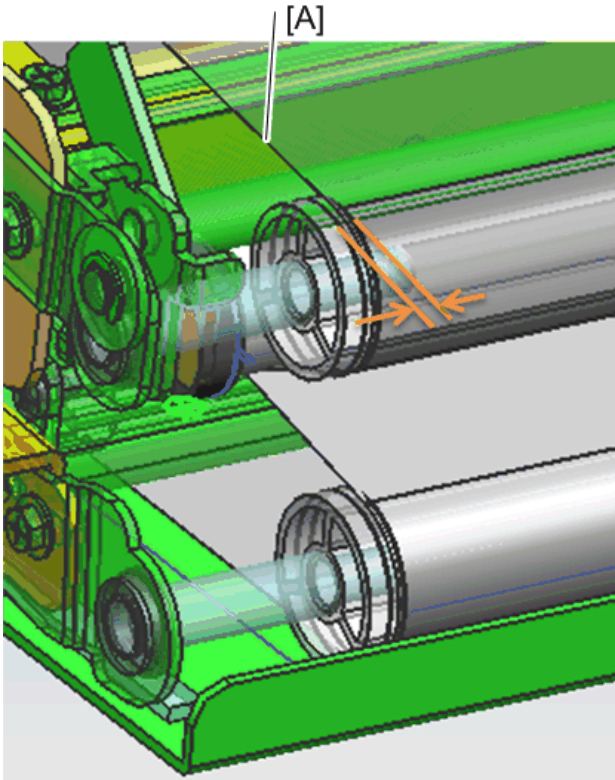
- Remove the adhesive paper put on the belt in step 4 after the adjustment is completed.

Setting the Upper and Lower Belt in the Correct Initial Position

After adjusting the amount of cooling belt shifting to be within the normal range, check if both upper and lower cooling belts are set in the **correct initial position**.

How to check the position of the upper belt

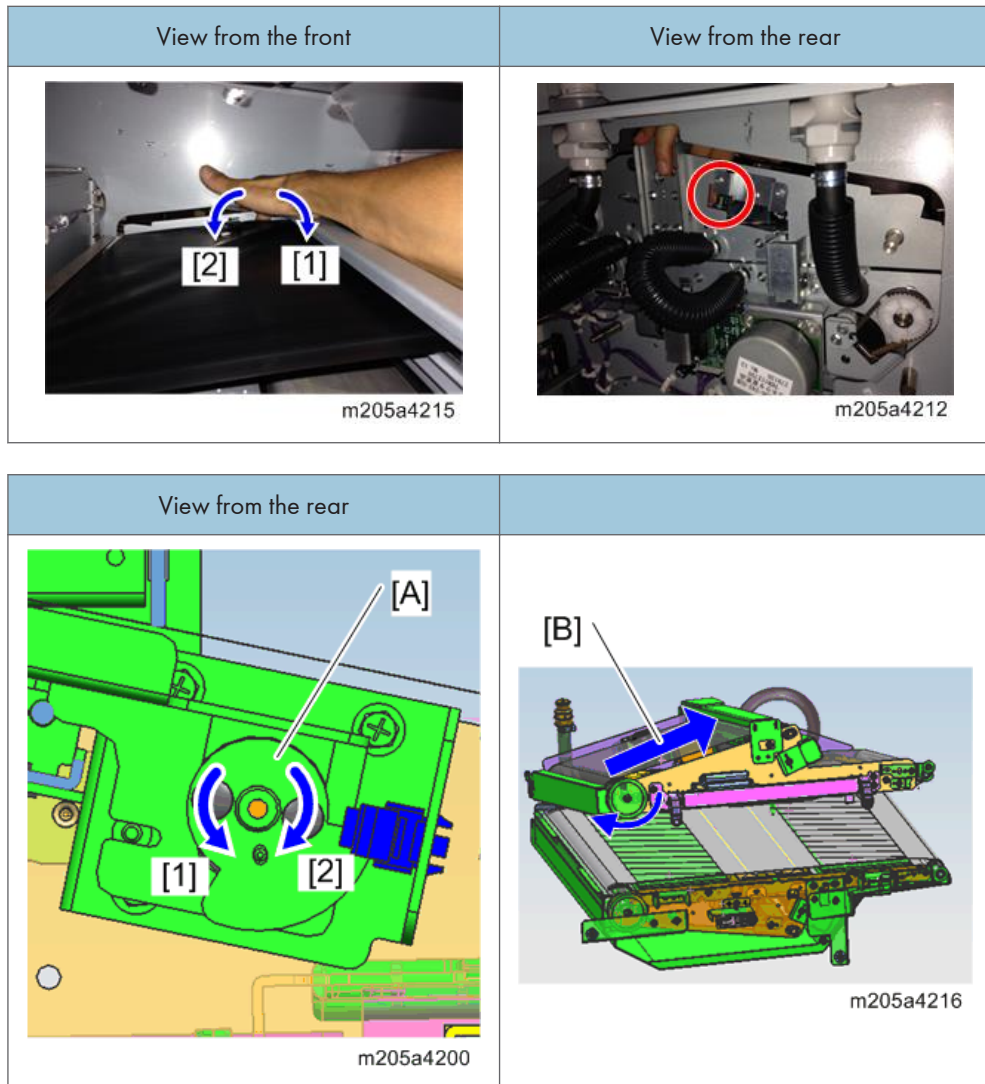
1. Rotate the paper cooling belt (upper) about 5 times. Then, check if the edge of the paper cooling belt (upper) [A] is between the two lines engraved on the roller.



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If the edge of the paper cooling belt (upper) [A] is **not** between the two lines engraved on the roller, the upper belt can be moved as explained below.

To move the paper cooling belt (upper), rotate the belt centering roller motor (upper) manually. Insert your hand and adjust the position of the upper belt centering roller sensor home position plate [A] with your finger as shown in the following pictures.



[1]:If you rotate the sensor home position plate [A] to this direction, the paper cooling belt (upper) moves to the rear when you rotate the upper belt manually to the direction [B].

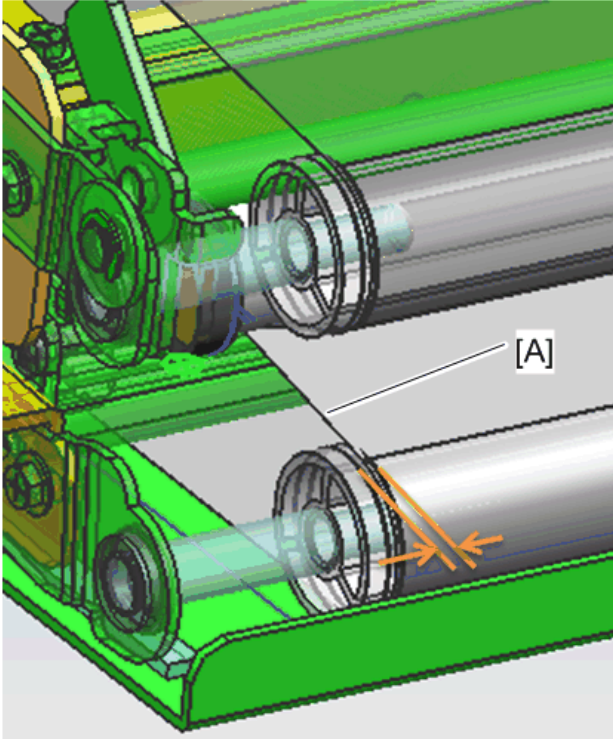
[2]:If you rotate the sensor home position plate [A] to this direction, the paper cooling belt (upper) moves to the front when you rotate the upper belt manually to the direction [B].

↓ Note

- Rotate the paper cooling belt (upper) about 5 times. Then, check if the edge of the paper cooling belt (upper) is at the correct position.

How to check the position of the lower belt

1. Rotate the paper cooling belt (lower) about 5 times. Then, check if the edge of paper cooling belt (lower) [A] is between the two lines engraved on the roller.

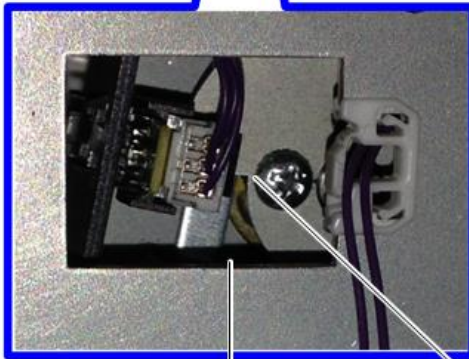


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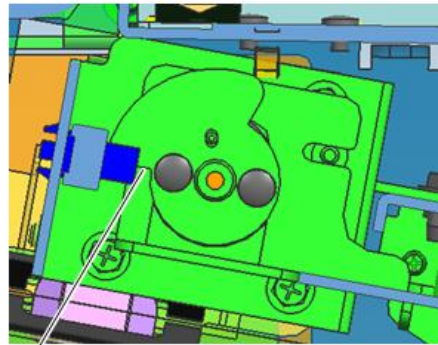
If the edge of the paper cooling belt (lower) [A] is **not** between the two lines engraved on the roller, the belt can be moved as shown below.

To move the paper cooling belt (lower), rotate the belt centering roller motor (lower) manually.

1. Insert your finger into the opening [A] and adjust the position of the lower belt centering roller sensor home position plate [B].

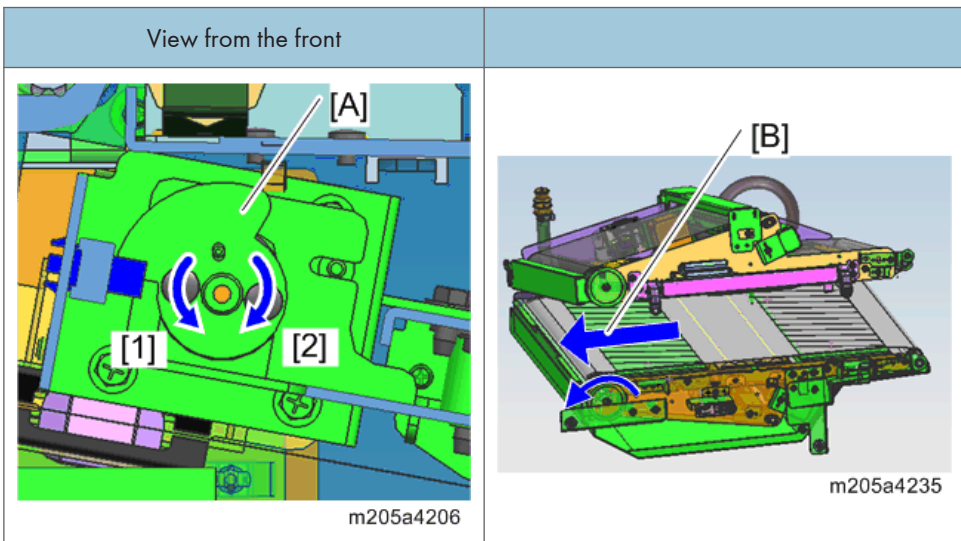


[A]



[B]

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[1]: If you rotate the sensor home position plate [A] to this direction, the paper cooling belt (lower) moves to the front when you rotate the lower belt manually to the direction [B].

[2]: If you rotate the sensor home position plate [A] to this direction, the paper cooling belt (lower) moves to the rear when you rotate the lower belt manually to the direction [B].

↓ Note

- Rotate the paper cooling belt (lower) about 5 times. Then, check if the edge of the paper cooling belt (lower) is at the correct position.

★ Important

- After confirming the upper and lower belt positions, be sure to return the upper belt centering roller sensor home position plate and lower belt centering roller sensor home position plate to the initial position. (See the procedures in this section). Otherwise, SC517-01 (Belt Centering Roller (Upper) HP Error) or SC517-02 (Belt Centering Roller (Lower) HP Error) may appear when the main power turned ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-00	D	Fusing Motor Rotation Error
		<ul style="list-style-type: none"> • At the start of the motor Failed to detect the regular rotation signal 1000 msec long between 1000 msec after Motor START signal and a Motor STOP signal. • During regular rotation of the motor Failed to detect the regular rotation signal 1000 msec long even though the Motor START signal is output.
		<ul style="list-style-type: none"> • Extraordinarily high torque of the fusing unit (overload caused by bearing locking etc.) • Fusing Motor driver (IOB2 board) defective • Fusing Motor defective • Fusing Motor disconnected
		<ul style="list-style-type: none"> • Resume the torque by eliminating the cause of overload in the fusing unit. • Replace the Fusing Motor driver (IOB2 board). • Replace the Fusing Motor. • Reconnect the Fusing Motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-00	D	Paper Cooling Belt Motor Error
		<ul style="list-style-type: none"> At the start of the motor Failed to detect the LOCK signal 1.2 seconds long after 2 seconds from the motor START signal. During regular rotation of the motor Failed to detect the regular rotation signal 1.2 seconds long even though the Motor START signal is output.
		<ul style="list-style-type: none"> Motor disconnected Extraordinarily high torque of the paper cooling belt (overload caused by bearing locking etc.) Motor driver defective Motor defective
		<p>If Powering off and on the machine does not solve the problem</p> <ul style="list-style-type: none"> Check or replace the motor, sensor or harness. Check the load or foreign objects of the driving parts and check the sensor masking plate. Check or replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-01	D	Anti-condensation Fan Error
SC530-02	D	Registration Exhaust Fan Error
SC530-03	D	Development Unit Cooling Fan (Y) Error
SC530-04	D	Development Unit Cooling Fan (M) Error
SC530-05	D	Development Unit Cooling Fan (C) Error
SC530-06	D	Development Unit Cooling Fan (K) Error
SC530-07	D	Laser Unit Cooling Fan Error
SC530-11	D	Paper Cooling Belt Fan 1 Error
SC530-12	D	Paper Cooling Belt Fan 2 Error
SC530-13	D	Paper Cooling Belt Fan 3 Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-14	D	Paper Cooling Belt Fan 4 Error
SC530-15	D	Paper Cooling Belt Fan 5 Error
SC530-16	D	Paper Cooling Belt Fan 6 Error
SC530-17	D	Paper Cooling Belt Fan 7 Error
SC530-18	D	Paper Cooling Belt Fan 8 Error
SC530-19	D	Charger Entrance Fan (Y) Error
SC530-20	D	Charger Entrance Fan (M) Error
SC530-21	D	Charger Entrance Fan (C) Error
SC530-22	D	Charger Entrance Fan (K) Error
SC530-23	D	Ozone Exhaust Fan (Y) Error
SC530-24	D	Ozone Exhaust Fan (M) Error
SC530-25	D	Ozone Exhaust Fan (C) Error
SC530-26	D	Ozone Exhaust Fan (K) Error
SC530-27	D	Exhaust Fan 1 Error
SC530-28	D	Exhaust Fan 2 Error
SC530-29	D	Exhaust Fan 3 Error
SC530-30	D	Exhaust Fan 5 Error
SC530-31	D	PSU Fan 1 Error
SC530-32	D	PSU Fan 2 Error
SC530-33	D	PSU Fan 3 Error
SC530-34	D	PSU Fan 4 Error
SC530-35	D	PSU Fan 5 Error
SC530-36	D	Controller Fan 1 Error
SC530-37	D	Controller Fan 2 Error
SC530-38	D	Controller Fan 3 Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-39	D	Controller Fan 4 Error
SC530-40	D	PSU Fan 6 Error
SC530-41	D	PSU Fan 7 Error
SC530-42	D	PSU Fan 8 Error
SC530-43	D	PSU Fan 9 Error
SC530-44	D	PSU Fan 10 Error
SC530-45	D	CIS cleaning fan Error
SC530-46	D	Registration Cooling Fan Error
SC530-47	D	Pressure Roller Intake Fan 1 Error
SC530-48	D	Pressure Roller Intake Fan 2 Error
SC530-49	D	Pressure Roller Intake Fan 3 Error
SC530-50	D	Pressure Roller Exhaust Fan 1 Error
SC530-51	D	PTB Fan 1 Error
SC530-52	D	PTB Fan 2 Error
SC530-53	D	PTB Fan 3 Error
SC530-54	D	PTB Fan 4 Error
SC530-55	D	PTB Fan 5 Error
SC530-56	D	PTB Fan 6 Error
SC530-57	D	PTB Fan 7 Error
SC530-58	D	PTB Fan 8 Error
SC530-59	D	PTB Fan 9 Error
SC530-60	D	PTB Fan 10 Error
SC530-61	D	PTB Fan 11 Error
SC530-62	D	PTB Fan 12 Error
SC530-63	D	ID Sensor Cleaning Fan Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-65	D	Paper Exit Inverter Motor Fan Error
SC530-66	D	Exhaust Fan 4 Error
SC530-67	D	Exhaust Fan 6 Error
SC530-68	D	Exhaust Fan 7 Error
SC530-69	D	Exhaust Fan 8 Error
SC530-70	D	Exhaust Fan 9 Error
SC530-71	D	De-curler motor cooling fan Error
SC530-72	D	PTR Timing Motor Cooling Fan Error
SC530-73	D	PSU exhaust fan Error
SC530-74	D	Vertical Transport Motor Fan (Tray 1) Error
SC530-75	D	Vertical Transport Motor Fan (Tray 2) Error
SC530-76	D	Registration Timing Motor Fan Error
SC530-77	D	Waste Toner Collection Fan Error
SC530-78	D	Paper Transport Motor Fan (Tray 1) Error
SC530-79	D	Paper Transport Motor Fan (Tray 2) Error
		<ul style="list-style-type: none"> SC530-1, 2, 7, 11 to 22, 27 to 44, 46, 50 to 63 and 65 to 79 When failure to detect the LOCK signal 1 second long is repeated 10 times consecutively SC530-03 to 06, 23 to 26 and 47 to 49 Time overflow (10 sec) is detected
		<ul style="list-style-type: none"> Broken harness Defective fan SC530-74 and 78: FU32 on IOB1 has blown.
		<ul style="list-style-type: none"> Replace the cable. Replace the fan. SC530-74 and 78: Replace IOB1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC541-00	A	Heating Roller Thermopile Disconnection
		Heating Roller Thermopile detected 0 degree or lower 125 seconds consecutively after the heater was turned on.
		<ul style="list-style-type: none"> • Thermopile disconnection • Thermistor disconnection • Connector contact failure
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the thermopile disconnection and connector contact failure • Replace the thermopile

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-01	A	Heating Roller Thermopile Reload Failure
		Heating Roller Thermopile detected a temperature below 100 degrees 265 seconds consecutively after the heater was turned on during startup or returning from sleep mode.
		<ul style="list-style-type: none"> • Thermopile lens smudged • Thermistor deformed or floating • Input voltage out of specification • After the operation of overheat prevention mechanism
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the appearance of the thermopile, and check the input voltage with a circuit tester. • Check for fusing lamp disconnection • Replace the thermopile • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-02	A	Heating Roller Thermopile Reload Failure
		Heating Roller Thermopile detected a temperature out of specification 690 seconds consecutively after the heater was turned on during startup or returning from sleep mode.
		<ul style="list-style-type: none"> • Thermopile lens smudged • Thermistor deformed or floating • Input voltage out of specification • After the operation of overheat prevention mechanism
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the appearance of the thermopile, and check the input voltage with a circuit tester. • Check for fusing lamp disconnection • Replace the thermopile • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC543-00	A	Heating Roller Thermopile Overheat detection (soft)
		Heating Roller Thermopile detected 250 degrees or higher 1 second consecutively after relay on. Number of detections: 10 or more
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective • BCU board defective
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the triac and IOB board • Replace the triac • Replace the IOB board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC544-00	A	Heating Roller Thermopile Overheat detection (hard)
		Heating Roller Thermopile detected 270 degrees or higher after relay on.
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective • Fusing unit controller software runaway
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the fusing unit, triac, and IOB board • Replace the triac • Replace the IOB board • Replace the fusing unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC545-01	A	Heater lit continuously (Heater A to D)
		The DUTY of one of heaters A to D was equal to the maximum DUTY (excluding 0%) for 1.15 seconds continuously after the heater was turned on during Ready status/preheating/low-power and the fusing unit stopped. Excluded time: 90 seconds The time it takes to reach the reload temperature/waiting target temperature at rated input -20% + heater tolerance is excluded (90 seconds).
		<ul style="list-style-type: none"> • Thermistor deformed or floating • Heater disconnection • After the operation of overheat prevention mechanism
		Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Check the appearance of the thermopile check for fusing lamp disconnection • Replace the thermopile • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-01	D	Zero Cross 1 Error (Relay contact welded: AC drive board 1)
		Fusing relay contact welded
		<ul style="list-style-type: none"> • Fusing relay in AC drive board 1 defective (contact welded) • Drive circuit of fusing relay in AC drive board 1 defective
		<ol style="list-style-type: none"> 1. Turn the main power switch off and on. 2. If turning the main power switch off and on does not solve the problem: <ul style="list-style-type: none"> • If the fusing relay is broken, replace AC drive board 1. • Check the connection between AC drive board 1 and the controller board (IOB2) and replace the harness or PCB as required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-02	D	Zero Cross 1 Error (Relay contact defective: AC drive board 1)
		Fusing relay contact defective
		<ul style="list-style-type: none"> • Fusing relay in AC drive board 1 defective • Drive circuit of fusing relay in AC drive board 1 defective
		<ol style="list-style-type: none"> 1. Turn the main power switch off and on. 2. If turning the main power switch off and on does not solve the problem: <ul style="list-style-type: none"> • If the fusing relay is broken, replace AC drive board 1. • Check the connection between AC drive board 1 and the controller board (IOB2) and replace the harness or PCB as required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-03	D	Zero Cross Error (low frequency error)
		The AC power supply frequency is low or unstable.
		<ul style="list-style-type: none"> • Unstable commercial power supply frequency
		<ol style="list-style-type: none"> 1. Turn the main power switch off and on. 2. If turning the main power switch off and on does not solve the problem: <ul style="list-style-type: none"> • Check the power supply line from the wall socket. • Check the connection between AC drive board 1 and the controller board (IOB2) and replace the harness or PCB as required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-04	D	Zero Cross 2 Error (Relay contact welded: AC drive board 2)
		Fusing relay contact welded
		<ul style="list-style-type: none"> Fusing relay in AC drive board 2 defective (contact welded) Drive circuit of fusing relay in AC drive board 2 defective
		<ol style="list-style-type: none"> Turn the main power switch off and on. If turning the main power switch off and on does not solve the problem: <ul style="list-style-type: none"> If the fusing relay is broken, replace AC drive board 2. Check the connection between AC drive board 2 and the controller board (IOB2) and replace the harness or PCB as required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-05	D	Zero Cross 2 Error (Relay contact defective: AC drive board 2)
		Fusing relay contact defective
		<ul style="list-style-type: none"> Fusing relay in AC drive board 2 defective Drive circuit of fusing relay in AC drive board 2 defective
		<ol style="list-style-type: none"> Turn the main power switch off and on. If turning the main power switch off and on does not solve the problem: <ul style="list-style-type: none"> If the fusing relay is broken, replace AC drive board 2. Check the connection between AC drive board and the controller board (IOB2) and replace the harness or PCB as required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC549-00	D	Fusing Center Temperature declination
		<p>After the machine status is CPM down level 3, the temperature was 10 degrees lower than CPM down temperature for 45 seconds continuously (excluding the specified excluded time).</p> <p>The time between the start of monitoring and the latest of the following is excluded.</p> <ol style="list-style-type: none"> 1. Initial CPM down period finished 2. End of Paper feed addition 1 3. End of Paper feed addition 2
		<ul style="list-style-type: none"> • Heater disconnected • Connector contact failure
		<p>Cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check for connector contact failure and fusing lamp disconnection • Replace the thermopile • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC550-01	D	Fusing Refresh Roller Motor: Lock
		The IOB detects the fusing motor lock error (rotation speed out of specification).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Harness broken • IOB defective • Unit torque increased.
		<ul style="list-style-type: none"> • Replace the motor. • Reconnect the connector. • Replace the harness. • Replace the IOB. • Replace the unit. • Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC551-00	A	Pressure Roller Thermopile (Center) Disconnection
		Pressure Roller Thermopile (Center) detected 0 degree or lower 145 seconds consecutively after the heater was turned on.
		<ul style="list-style-type: none"> • Thermopile disconnection • Thermistor disconnection • Connector contact failure
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check for thermopile disconnection and connector contact failure • Replace the thermopile

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-01	A	Pressure Roller Thermopile (Center) Reload Failure
		Pressure Roller Thermopile (Center) detected a temperature below 45 degrees 140 seconds consecutively after the heater was turned on during startup or returning from sleep mode.
		<ul style="list-style-type: none"> • Thermopile lens smudged • Thermistor deformed or floating • Input voltage out of specification • After the operation of overheat prevention mechanism • Fusing drive section does not rotate.
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the appearance of the thermopile, and check the input voltage with a circuit tester. • Check for fusing lamp disconnection • Replace the thermopile • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC557-00	C	Zero Cross Error (high frequency)
		The AC power supply frequency is high or unstable.
		<ul style="list-style-type: none"> • Unstable commercial power supply frequency, noises
		<ul style="list-style-type: none"> • None • Check the frequency of the power supply from the wall socket.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC559-00	A	Fusing jam: 3 counts
		<p>Fusing jam (fusing exit sensor late jam) was detected 3 times consecutively.</p> <ul style="list-style-type: none"> • Each occurrence of a fusing jam is counted and SC559-00 is issued when the count reaches 3. • The fusing jam counter is not reset even if the machine is turned off and on. <p>This SC can be set ON/OFF. The factory setting is OFF; set it ON when requested by the customer.</p> <p>SP1-142-001:</p> <p>0: OFF (factory setting)</p> <p>1: ON (set by service personnel at the request of customer)</p>
		<ul style="list-style-type: none"> • Fusing unit defective
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the fusing belt stripper plate, pressure roller stripper pawls, and fusing exit sensor (front/center/rear/back). • If you can identify the defective parts, replace the fusing belt stripper plate, pressure roller stripper pawls, or fusing exit sensor (front/center/rear/back) individually. • If you cannot identify the defective parts, replace the fusing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC560-00	D	Web unit contact error
		<p>Contact to separation/separation to contact control failed 3 times consecutively.</p>
		<ul style="list-style-type: none"> • Cleaning web contact motor/sensor defective • Feeler deformed or damaged • Contact/separation mechanism defective
		<p>Cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Replace the cleaning web contact sensor • Replace the cleaning web contact motor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC561-00	A	Heating Roller Thermistor (Edge) Disconnection
		Heating Roller Thermistor (Edge) detected 0 degree or lower 105 seconds consecutively after the heater was turned on.
		<ul style="list-style-type: none"> • Thermopile disconnection • Thermistor disconnection • Connector contact failure
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check for thermistor disconnection and connector contact failure • Replace the thermistor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-01	A	Heating Roller Thermistor (Edge) Reload Failure
		Heating Roller Thermistor (Edge) detected a temperature below 100 degrees 285 seconds consecutively after the heater was turned on during startup or returning from sleep mode.
		<ul style="list-style-type: none"> • Thermopile lens smudged • Thermistor deformed or floating • Input voltage out of specification • After the operation of overheat prevention mechanism • Fusing unit drive section not rotating
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the appearance of the thermistor, and check the input voltage with a circuit tester. • Check for fusing lamp disconnection • Replace the thermistor • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC563-00	A	Heating Roller Thermistor (Edge) Overheat detection (soft)
		Heating Roller Thermistor (Edge) detected 250 degrees or higher 1 second consecutively after relay on. Number of detections: 10 or more
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective
		Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Check the triac and IOB board • Replace the triac • Replace the IOB board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC564-00	A	Heating Roller Thermistor (Edge) Overheat detection (hard)
		Heating Roller Thermistor (Edge) detected 270 degrees or higher after relay on.
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective • Fusing unit controller software runaway
		Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Check the fusing unit, triac, and IOB board • Replace the triac • Replace the IOB board • Replace the fusing unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-01	D	Pressure Release Error
		During operation of the pressure release mechanism, retry operation was detected 3 times consecutively after the pressure release motor has been turned on.
		<ul style="list-style-type: none"> • Motor or sensor defective • Feeler deformed or damaged
		Cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Replace the pressure roller HP sensor • Replace the fusing pressure motor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-02	D	Pressure Release Error
		Failed to detect the feeler of the pressure roller HP sensor A within 4000msec.
		<ul style="list-style-type: none"> • Motor or sensor defective • Feeler deformed or damaged
		Cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Replace the pressure roller HP sensor • Replace the fusing pressure motor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-03	D	Pressure Release Error
		The status of the pressure roller HP sensor B is High.
		<ul style="list-style-type: none"> • Motor or sensor defective • Feeler deformed or damaged
		Cycle the machine off/on. If the problem is not solved, do the following: <ul style="list-style-type: none"> • Replace the pressure roller HP sensor • Replace the fusing pressure motor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC570-00	D	Refresh Roller Contact Error
		Contact to separation/separation to contact control failed 3 times consecutively.
		<ul style="list-style-type: none"> • Fusing refresh roller contact motor or sensor defective • Feeler deformed or damaged • Contact/separation mechanism defective
		<p>Cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Replace the refresh roller contact sensor • Replace the fusing refresh roller contact motor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC571-00	A	Pressure Roller Thermopile (Edge) Disconnection
		Pressure Roller Thermopile (Edge) detected 0 degree or lower 144 seconds consecutively after the heater was turned on.
		<ul style="list-style-type: none"> • Thermopile disconnection • Thermistor disconnection • Connector contact failure
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check for thermopile disconnection and connector contact failure • Replace the thermopile

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC572-01	A	Pressure Roller Thermopile (Edge) Reload Failure
		Pressure Roller Thermopile (Edge) detected a temperature below 45 degrees 136 seconds consecutively after the heater was turned on during startup or returning from sleep mode.
		<ul style="list-style-type: none"> • Thermopile lens smudged • Thermistor deformed or floating • Input voltage out of specification • After the operation of overheat prevention mechanism • Fusing unit drive section not rotating
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the appearance of the thermopile, and check the input voltage with a circuit tester. • Check for fusing lamp disconnection • Replace the thermopile • Replace the thermostat • Replace the fusing lamp

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC576-00	A	Fusing Belt Thermistor (Edge) Disconnection
		Fusing Belt Thermistor (Edge) detected 0 degree or lower 135 seconds consecutively after the heater was turned on.
		<ul style="list-style-type: none"> • Thermopile disconnection • Thermistor disconnection • Connector contact failure
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check for thermistor disconnection and connector contact failure • Replace the thermistor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC578-00	A	Fusing Belt Thermistor (Edge) Overheat detection (soft)
		Fusing Belt Thermistor (Edge) detected 250 degrees or higher 1 second consecutively after relay on.
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the triac and IOB board • Replace the triac • Replace the IOB board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC579-00	A	Fusing Belt Thermistor (Edge) Overheat detection (hard)
		Fusing Belt Thermistor (Edge) detected 270 degrees or higher after relay on.
		<ul style="list-style-type: none"> • Triac shorted • IOB board defective • Fusing unit controller software runaway
		<p>Enter the SP mode and clear SP5-810-001, and then cycle the machine off/on. If the problem is not solved, do the following:</p> <ul style="list-style-type: none"> • Check the fusing unit, triac, and IOB board • Replace the triac • Replace the IOB board • Replace the fusing unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC581-00	D	Power cord (Sub) not connected
		The power cord (main) is connected and the power cord (sub) is not.
		The power cord (sub) is not connected.
		<ol style="list-style-type: none"> 1. Turn the power off and reconnect the power cord (sub). 2. Replace the harness. 3. Replace the AC drive/IOB board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC586-01	C	Heating Roller Thermopile paper feed permission timeout
		During printing, the Heating Roller Thermopile did not enter the temperature range for paper feed permission but paper feed permission was issued on condition of 300 seconds.
		Timeout caused by long down reload time. SC level is "C" because this is not a machine failure.
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC586-02	C	Heating Roller Thermistor (Edge) paper feed permission timeout
		During printing, the Heating Roller Thermistor (Edge) did not enter the temperature range for paper feed permission but paper feed permission was issued on condition of 300 seconds.
		Timeout caused by long down reload time. SC level is "C" because this is not a machine failure.
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC586-03	C	Pressure Roller Thermopile (Center) paper feed permission timeout
		During printing, the Pressure Roller Thermopile (Center) did not enter the temperature range for paper feed permission but paper feed permission was issued on condition of 300 seconds.
		Timeout caused by long down reload time. SC level is "C" because this is not a machine failure.
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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC586-04	C	Pressure Roller Thermopile (Edge) paper feed permission timeout
		During printing, the Pressure Roller Thermopile (Edge) did not enter the temperature range for paper feed permission but paper feed permission was issued on condition of 300 seconds.
		Timeout caused by long down reload time. SC level is "C" because this is not a machine failure.
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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-01	D	Charger Cleaning Motor (Y) Error
SC590-02	D	Charger Cleaning Motor (M) Error
SC590-03	D	Charger Cleaning Motor (C) Error
SC590-04	D	Charger Cleaning Motor (K) Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and IOB1 (including relay connectors). For connectors on the motor side, the SC is issued only when a connector is half-connected (1 phase open). 2. Replace the harness between the motor and IOB1 (including relay connectors). 3. Replace the motor. 4. Replace the IOB1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-05	B	Tray Lift Motor (Tray 1) Error
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Harness earth fault 2. Motor defective (motor coil shorted) 3. PCB defective
		<ol style="list-style-type: none"> 1. Replace the harness between the motor and IOB1. 2. Replace the motor. 3. Replace IOB1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-06	B	Paper Feed Motor (Tray 1) Error
SC590-07	B	Paper Transport Motor (Tray 1) Error
SC590-08	B	Vertical Transport Motor (Tray 1) Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-09	D	Paper Transport Motor 4 Error
SC590-10	D	Paper Transport Motor 5 Error
SC590-11	D	Paper Transport Motor 6 Error
SC590-12	D	Paper Transport Motor 7 Error
SC590-13	D	Toner Supply Motor (Y) Error
SC590-14	D	Toner Supply Motor (M) Error
SC590-15	D	Toner Supply Motor (C) Error
SC590-16	D	Toner Supply Motor (K) Error
SC590-17	D	Toner Agitator Motor (Y) Error
SC590-18	D	Toner Agitator Motor (M) Error
SC590-19	D	Toner Agitator Motor (C) Error
SC590-20	D	Toner Agitator Motor (K) Error
SC590-21	D	PTR Pressure Motor error
		<p>Motor driver IC error has been detected. Always monitored except when a cover is open.</p> <ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective <ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and IOB1 (including relay connectors). 2. Replace the harness between the motor and IOB1. 3. Replace the motor. 4. Replace IOB1.
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-22	D	PTR Lift Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and TDRB and between TDRB and IOB1 (including relay connectors). 2. Replace the harness between the motor and TDRB and between TDRB and IOB1. 3. Replace the motor. 4. Replace TDRB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-23	D	PTR Timing Motor Error
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and DRB and between DRB and IOB1 (including relay connectors). 2. Replace the harness between the motor and DRB and between DRB and IOB1. 3. Replace the motor. 4. Replace DRB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-24	D	Registration Timing Motor Error
SC590-25	D	Shift Roller Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-26	D	Rotary Gate Motor Error
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and DRB, between DRB and IOB1, and between IOB1 and BCU (including relay connectors). 2. Replace the harness between the motor and DRB, between DRB and IOB1, and between DRB and IOB1. 3. Replace the motor. 4. Replace DRB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-27	D	Registration Entrance Motor 1 Error
SC590-28	D	Registration Entrance Motor 2 Error
SC590-29	D	Registration Roller Lift Motor 1 Error
SC590-30	D	Registration Roller Lift Motor 2 Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and TDCU and between TDCU and BCU (including relay connectors). 2. Replace the harness between the motor and TDCU and between TDCU and BCU. 3. Replace the motor. 4. Replace TDCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-31	B	Tray Lift Motor (Tray 2) Error
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Harness earth fault 2. Motor defective (motor coil shorted) 3. PCB defective
		<ol style="list-style-type: none"> 1. Replace the harness between the motor and IOB2. 2. Replace the motor. 3. Replace IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-32	B	Paper Feed Motor (Tray 2) Error
SC590-33	B	Paper Transport Motor (Tray 2) Error
SC590-34	B	Vertical Transport Motor (Tray 2) Error
SC590-35	D	Paper Transport Motor 1 Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-36	D	Paper Transport Motor 2 Error
SC590-37	D	Paper Transport Motor 3 Error
SC590-38	D	Duplex Transport Motor 1 Error
SC590-39	D	Duplex Transport Motor 2 Error
SC590-40	D	Press Roller Lift Motor error
		<p>Motor driver IC error has been detected. Always monitored except when a cover is open.</p> <ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective <ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and IOB2 (including relay connectors). 2. Replace the harness between the motor and IOB2. 3. Replace the motor. 4. Replace IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-41	D	De-curler Transport Motor 1 Error
SC590-42	D	De-curler Transport Motor 2 Error
SC590-43	D	De-curler Unit Motor 1 Error
SC590-44	D	De-curler Unit Motor 2 Error
SC590-45	D	Paper Exit Motor Error
SC590-46	D	Inverter Entrance Motor Error
SC590-47	D	Paper Exit Inverter Motor Error
SC590-48	D	Duplex Inverter Motor Error
SC590-49	D	Exit Junction Gate Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-50	D	Paper Exit Inverter Roller Contact Motor Error
SC590-51	D	Duplex Inverter Roller Contact Motor Error
		<p>Motor driver IC error has been detected. Always monitored except when a cover is open.</p> <ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective <ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and SDB and between SDB and IOB2 (including relay connectors). 2. Replace the harness between the motor and SDB and between SDB and IOB2. 3. Replace the motor. 4. Replace the SDB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC590-52	D	Toner Bottle Open Motor (K1) Error
SC590-53	D	Toner Bottle Open Motor (K2) Error
SC590-54	D	Toner Bottle Open Motor (C1) Error
SC590-55	D	Toner Bottle Open Motor (C2) Error
SC590-56	D	Toner Bottle Open Motor (M1) Error
SC590-57	D	Toner Bottle Open Motor (M2) Error
SC590-58	D	Toner Bottle Open Motor (Y1) Error
SC590-59	D	Toner Bottle Open Motor (Y2) Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		DC brush motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Harness shorted 2. Motor defective (motor coil broken or shorted) 3. PCB defective
		<ol style="list-style-type: none"> 1. Replace the harness between the motor and IOB1. 2. Replace the motor. 3. Replace IOB1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC595-32	D	TDCU hardware error
		Motor driver IC error has been detected. Always monitored except when a cover is open.
		<ol style="list-style-type: none"> 1. Connector disconnected 2. Harness broken or shorted 3. Motor defective (motor coil broken or shorted) 4. PCB defective
		<ol style="list-style-type: none"> 1. Reconnect the connectors between the motor and TDRB (including relay connectors). For connectors on the motor side, the SC is issued only when a connector is half-connected (1 phase open). 2. Replace the connector between the motor and TDRB (including relay connectors). 3. Replace the motor. 4. Replace the TDRB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC597-01	D	Paper Cooling Remain Switch Error (Cooling liquid volume decreasing)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Paper Cooling Remain Switch detected a value above the upper threshold.
		<ol style="list-style-type: none"> 1. Cooling liquid spill, cooling liquid volume decreasing 2. Connector disconnected, circuit disconnected, sensor defective or IOB2 defective
		<ol style="list-style-type: none"> 1. Fix the cooling liquid spill and replenish the cooling liquid or replace the radiator unit. 2. Reconnect, replace the harness (in the case of a disconnected connector), replace the sensor (in the case of a defective sensor), or replace the IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC597-02	D	Paper Cooling Remain Switch Error (Short circuit)
		Paper Cooling Remain Switch detected a value below the lower threshold.
		<ul style="list-style-type: none"> • Short circuit • Sensor defective • IOB2 defective
		<ul style="list-style-type: none"> • Replace the harness. • Replace the sensor. • Replace IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC598-00	D	Paper Coolant Pump Error
		<ul style="list-style-type: none"> • Time overflow detected.
		<ul style="list-style-type: none"> • Pump defective • Connector disconnected • Pump rotation slowed because of high viscosity
		<ul style="list-style-type: none"> • Reconnect (In the case of a disconnected connector). • Replace the radiator unit.

SC600 (Engine: Communication and Others)

SC621 to SC625, SC669, SC682 to SC694

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC621-00	D	Finisher communication error
		<ul style="list-style-type: none"> • 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 • BCU or IOB2 defective • Connection fault, breakage or short circuit of the harness between finisher and main machine
		<ul style="list-style-type: none"> • Reconnect or replace the finisher connection harness. • Replace the BCU. • Replace the IOB2. • Replace the finisher control board. • Turn the main power off and on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC622-01	D	LCT1 communication error
SC622-02	D	LCT2 communication error
SC622-03	D	LCT3 communication error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Detected an error when connecting the communication line. • Received a communication error notification from the URAT.
		<ul style="list-style-type: none"> • Corresponding LCT control board defective • BCU defective • Connection fault, breakage or short circuit of the corresponding LCT
		<ul style="list-style-type: none"> • Reconnect or replace the LCT connection harness. • Replace the BCU. • Replace the LCT control board. • Turn the main power off and 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"> • Harness broken or not connected • TDCU board error • BCU board error
		<ul style="list-style-type: none"> • Reconnect the connectors between the BCU board and the TDCU board. • Replace the harness. • Replace the TDCU board. • Replace the BCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669		BCU_EEPROM Communication Error
SC669-01	D	EEPROM OPEN: ID error
SC669-02	D	EEPROM OPEN: Channel error
SC669-03	D	EEPROM OPEN: Device error
SC669-04	D	EEPROM OPEN: Communication abort error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-05	D	EEPROM OPEN: Communication timeout error
SC669-06	D	EEPROM OPEN: Operation stopped error
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
SC669-19	D	EEPROM Data read: ID error
SC669-20	D	EEPROM Data read: Channel error
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
SC669-27	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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		I2C Communication between BCU and EEPROM is not established.
		<ul style="list-style-type: none"> • Unexpected noise • EEPROM not connected fully • EEPROM not installed • EEPROM damaged • BCU damaged
		<ul style="list-style-type: none"> • Reconnect the EEPROM. • Replace the EEPROM. • Replace the BCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669		BCU_EEPROM Communication Error
SC669-07	D	EEPROM OPEN: Buffer full
SC669-08	D	EEPROM OPEN: No error code
SC669-17	D	EEPROM Data write: Buffer full
SC669-18	D	EEPROM Data write: No error code
SC669-25	D	EEPROM Data read: Buffer full
SC669-26	D	EEPROM Data read: No error code
SC669-33	D	EEPROM Device detection: Buffer full
SC669-34	D	EEPROM Device detection: No error code

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		I2C Communication between BCU and EEPROM is not established.
		<ul style="list-style-type: none"> • Unintended noise • EEPROM not connected fully • EEPROM not installed • EEPROM damaged • BCU damaged • Software error
		<ul style="list-style-type: none"> • Reconnect the EEPROM. • Replace the EEPROM. • Replace the BCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-35	D	BCU_EEPROM Communication Error (Data expansion error while reading data)
		I2C Communication between BCU and EEPROM is not established.
		<ul style="list-style-type: none"> • Unintended noise
		<ul style="list-style-type: none"> • Fix the harness routing.

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)
SC682-03	D	PCU: ID Chip Communication Error(C_Invalid Device ID)
SC682-04	D	PCU: ID Chip Communication Error(Y_Invalid Device ID)
SC682-06	D	PCU: ID Chip Communication Error(K_Channel error (e.g. bus disconnection))
SC682-07	D	PCU: ID Chip Communication Error(M_Channel error (e.g. bus disconnection))

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682-08	D	PCU: ID Chip Communication Error(C_Channel error (e.g. bus disconnection))
SC682-09	D	PCU: ID Chip Communication Error(Y_Channel error (e.g. bus disconnection))
SC682-11	D	PCU: ID Chip Communication Error(K_Device Error (No ID chip))
SC682-12	D	PCU: ID Chip Communication Error(M_Device Error (No ID chip))
SC682-13	D	PCU: ID Chip Communication Error(C_Device Error (No ID chip))
SC682-14	D	PCU: ID Chip Communication Error(Y_Device Error (No ID chip))
SC682-16	D	PCU: ID Chip Communication Error(K_Communication aborted (error during communication))
SC682-17	D	PCU: ID Chip Communication Error(M_Communication aborted (error during communication))
SC682-18	D	PCU: ID Chip Communication Error(C_Communication aborted (error during communication))
SC682-19	D	PCU: ID Chip Communication Error(Y_Communication aborted (error during communication))
SC682-21	D	PCU: ID Chip Communication Error(K_Communication timeout)
SC682-22	D	PCU: ID Chip Communication Error(M_Communication timeout)
SC682-23	D	PCU: ID Chip Communication Error(C_Communication timeout)
SC682-24	D	PCU: ID Chip Communication Error(Y_Communication timeout)
SC682-26	D	PCU: ID Chip Communication Error(K_Device stopped (logically stopped))
SC682-27	D	PCU: ID Chip Communication Error(M_Device stopped (logically stopped))
SC682-28	D	PCU: ID Chip Communication Error(C_Device stopped (logically stopped))
SC682-29	D	PCU: ID Chip Communication Error(Y_Device stopped (logically stopped))
SC682-31	D	PCU: ID Chip Communication Error(K_Requested buffer full)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682-32	D	PCU: ID Chip Communication Error(M_Requested buffer full)
SC682-33	D	PCU: ID Chip Communication Error(C_Requested buffer full)
SC682-34	D	PCU: ID Chip Communication Error(Y_Requested buffer full)
SC682-36	D	PCU: ID Chip Communication Error(K_No error code)
SC682-37	D	PCU: ID Chip Communication Error(M_No error code)
SC682-38	D	PCU: ID Chip Communication Error(C_No error code)
SC682-39	D	PCU: ID Chip Communication Error(Y_No error code)
		<p>I2C Communication is not established between the BCU and HST sensor.</p> <p>There was an error during communication with the ID chip in the PCU.</p> <ul style="list-style-type: none"> • PCU set error • HST sensor defective • Harness broken • BCU damaged • IOB damaged • Unintended noise <ul style="list-style-type: none"> • Reinstall the PCU. • Replace the TD sensor. • Fix the harness. • Replace the BCU. • Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-01	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the 5V supply from IOB1 board to the DRB board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown DRB/CRB board circuit shorted Defective grounding of the 5V harness between IOB1 board/drawer connector/DRB board/connected component. drawer connectors defective IOB1 board defective <ul style="list-style-type: none"> Connected components DRB/CRB board, power supply <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1/DRB/CRB board. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-10	D	DC power supply error 1
		<p>The 24V power supply status (supplied or not) from PSU1 to the IOB1 board is monitored.</p> <ol style="list-style-type: none"> Connector between the PSU1 (CN5) and IOB1 (CN301) disconnected Defective grounding of harness between PSU1 (CN5) and IOB1 PSU1 defective IOB1 defective <ol style="list-style-type: none"> Turn the main power off and on. Reconnect the connector between the PSU1 (CN5) and IOB1 (CN301). Check and fix harness ground fault. Replace the PSU1 power supply. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-11	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU6 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component 3. IOB1 defective <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Vertical Transport Motor (Tray 1) Paper Transport Motors 4 to 7 <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU1 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-12	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU4 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 /drawer connector /DRB /connected component. Drawer connector defective <ul style="list-style-type: none"> Connected components <ul style="list-style-type: none"> PTR Timing Motor Registration Timing Motor Shift Roller Motor <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU1 power supply.
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-13	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU5 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 /drawer connector /DRB /connected component. Drawer connector defective <ul style="list-style-type: none"> Connected components <ul style="list-style-type: none"> Rotary Gate Motor PTR Motor Registration Cooling Fan CIS Cleaning Fan ID Sensor Cleaning Fan <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU1 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-20	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		24V power supply status (supplied or not) from PSU2 to the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. Connector between the PSU2 (CN6) and IOB1 (CN300) disconnected 2. Defective grounding of harness between PSU1 (CN6) and IOB1 3. PSU2 defective 4. IOB1 defective
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU2 (CN6) and IOB1 (CN300). 3. Check and fix harness ground fault. 4. Replace the PSU2 power supply. 5. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-21	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU19 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between PSU2 /IOB1 /connected component. <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Waste Toner Transport Motor (Upper/Lower) Charger Entrance Fans (K/C/M/Y) Exhaust Fans 1 to 4, 8 to 9 Laser Unit Cooling Fan Registration Exhaust Fan PSU Exhaust Fan <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-22	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The fuse status (blown or not) of the FU29 on the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> • Connected components Development Motor (K)
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-23	D	DC power supply error 1
		The fuse status (blown or not) of the FU26 on the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> • Connected components Development Motor (C)
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-24	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU27 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> Connected components <ul style="list-style-type: none"> Development Motor (M) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-25	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU28 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> Connected component <ul style="list-style-type: none"> Development Motor (Y) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-30	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The 24V power supply status (supplied or not) from PSU3 to the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. Connector between the PSU3 (CN414) and IOB1 (CN301) disconnected 2. Defective grounding of harness between the PSU3 and IOB1 3. Defective harness between the PSU3 and NRYF2 4. PSU3 defective 5. IOB1 defective
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU3 (CN414) and IOB1 (CN301). 3. Check and fix harness ground fault. 4. Replace the PSU3 power supply. 5. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-31	D	DC power supply error 1
		The 24V power supply status (supplied or not) from PSU3 to the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. Connector between the PSU3 (CN413) and IOB1 (CN301) disconnected 2. Defective grounding of harness between the PSU3 and IOB1 3. Defective harness between the PSU3 and NRYF2 4. PSU3 defective 5. IOB1 defective
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU3 (CN413) and IOB1 (CN301). 3. Check and fix harness ground fault. 4. Replace the PSU3 power supply. 5. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-32	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU3 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 /drawer/ 24V device. <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Paper Feed Motor (Tray 1) Tray Lift Motor (Tray 1) 3. Defective grounding of harness between IOB1 and connected component <ul style="list-style-type: none"> • Connected component <ul style="list-style-type: none"> Paper Transport Motor (Tray 1) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-34	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU1 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Suction Fan 1 (Tray 1) Float Fan (Tray1) Separation Fan (Tray 1) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU3 power supply.
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-35	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU2 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Suction Fan 2 (Tray 1) Separation Front/Rear Fan (Tray 1) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Check the drawer connector pin. 5. Replace the defective component. 6. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-36	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU5 on the BCU board is monitored.</p> <ol style="list-style-type: none"> 1. BCU board fuse blown 2. Defective grounding of harness between BCU board/connected component 3. BCU defective <ul style="list-style-type: none"> • Connected components <p>Laser Unit Skew Motor (K/C/M/Y)</p> <p>Key Counter (K/C/M/Y)</p> <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between PSU3 (CN413) and the BCU (CN234). 3. Check and fix harness ground fault. 4. Replace the BCU board. 5. Replace the defective component.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-37	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU6 on the BCU board is monitored.</p> <ol style="list-style-type: none"> 1. BCU board fuse blown 2. Defective grounding of harness between BCU board/connected component. 3. BCU defective <ul style="list-style-type: none"> • Connected components <p>HVPP_CGB (Y/M/C/K)</p> <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the CN234 on the BCU board. 3. Check and fix harness ground fault. 4. Replace the BCU board. 5. Replace the defective component. 6. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-38	D	DC power supply error 1
		<p>The 24V power supply status (supplied or not) from PSU3 to the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU3 (CN414) and IOB1 (CN300) disconnected 2. Defective grounding of harness between the PSU3 and IOB1 3. PSU3 defective 4. IOB1 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU3 (CN414) and IOB1 (CN300). 3. Check and fix harness ground fault. 4. Replace the PSU3 power supply. 5. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-39	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU13 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected components. Drawer connector defective Defective IOB1 <ul style="list-style-type: none"> Connected components <ul style="list-style-type: none"> ITB Cleaning: HVP1 to 6 Drum Cleaning HVP (K/CMY) Charger Cleaning Motor (K/C/M/Y) PTB Motor 1 ITB Cleaning Motor PTB Fan 1 to 4 and 9 to 10 <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Check the drawer connector pin. Replace the IOB1 board. Replace the defective component. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-40	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU12 on the TDCU board is monitored.</p> <ol style="list-style-type: none"> 1. TDCU board fuse blown 2. Connector between the PSU4 (CN7), TDCU (CN396) and NRYF1 (CN1781) disconnected 3. Defective grounding of harness between the TDCU and connected component 4. Defective harness between the PSU4 (CN7) and NRYF1 (CN1781) 5. PSU4 CN4414 AC input connector disconnected 6. PSU4 defective 7. RYF1 FU3 blown 8. TDCU board defective <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Registration Roller Lift Motors 1 and 2 Registration Entrance Motors 1 and 2 (Tray 1) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU4 (CN7), TDCU (CN396) and NRYF1 (CN1781). 3. Check and fix harness ground fault. 4. Replace the defective component. 5. Reconnect the PSU4 CN4414 AC input connector. 6. Replace the PSU4 power supply. 7. Replace the NRYF1. 8. Replace the TDCU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-50	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The 24V power supply status (supplied or not) from PSU5 to the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU5 (CN8), IOB1 (CN300) and NRYF1 (CN1781) disconnected 2. Defective grounding of harness between the PSU5 (CN8) and IOB1 (CN300) 3. Defective harness between the PUS5 and NRYF1 4. PSU5 CN4415 AC input connector disconnected 5. PSU5 defective 6. NRYF1 FU4 blown 7. IOB1 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU5 (CN8), IOB1 (CN300) and NRYF1 (CN1781). 3. Check and fix harness ground fault. 4. Reconnect PSU5 CN4415 AC input connector. 5. Replace the PSU5 power supply. 6. Replace the NRYF1 board. 7. Replace the IOB1 board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-51	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU14 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. 3. IOB1 defective <ul style="list-style-type: none"> • Connected components <ul style="list-style-type: none"> Toner Supply Motor (K/C/M/Y) Toner Agitator Motor (K/C/M/Y) Toner Bottle Motor (K1/K2/C1/C2/M1/M2/Y1/Y2) Toner Bottle Open Motor (K1/K2/C1/C2/M1/M2/Y1/Y2) PSU Fan 1 to 6 Controller Fan 1 to 4 <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU5 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-52	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU23 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. IOB1 defective <ul style="list-style-type: none"> Connected components: Development Unit Cooling Fan (M/Y) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU5 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-53	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU25 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. IOB1 defective <ul style="list-style-type: none"> Connected components: Development Unit Cooling Fan (K/C) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU5 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-54	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The fuse status (blown or not) of the FU24 on the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> • Connected components: Ozone Exhaust Fan (M/Y)
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU5 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-55	D	DC power supply error 1
		The fuse status (blown or not) of the FU31 on the IOB1 board is monitored.
		<ol style="list-style-type: none"> 1. IOB1 board fuse blown 2. Defective grounding of harness between IOB1 and connected component. <ul style="list-style-type: none"> • Connected components: Ozone Exhaust Fan (K/C)
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB1 board. 4. Replace the defective component. 5. Replace the PSU5 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-63	D	DC power supply error 1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU8 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. Drawer Connector connection fault IOB1 defective <ul style="list-style-type: none"> Connected components: Float Solenoid (Tray 1) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-64	D	DC power supply error 1
		<p>The fuse status (blown or not) of the FU7 on the IOB1 board is monitored.</p> <ol style="list-style-type: none"> IOB1 board fuse blown Defective grounding of harness between IOB1 and connected component. Drawer Connector connection fault IOB1 defective <ul style="list-style-type: none"> Connected components: Separate Solenoid Front/Rear (Tray 1) <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB1 board. Replace the defective component. Replace the PSU3 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-01	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU12 on the IOB2 board is monitored.</p>
		<ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: AC Drive Board 1/2
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix the Defective grounding of harnesses between IOB2 Board and AC Drive Board 1/2. 3. Replace the IOB board/AC Drive board. 4. Replace the PSU2 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-10	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The 24V power supply status (supplied or not) from PSU6 to the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU6 (CN7406), IOB2 (CN117) and NRYF3 (CN1783) disconnected 2. Defective grounding of harness between the PSU6 and IOB2 3. Defective harness between the PSU6 (CN7416) and NRYF3 (CN1783) 4. PSU6 CN2 AC input connector disconnected 5. PSU6 defective 6. NRYF3 FU3 defective 7. IOB2 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU6 (CN7406), IOB2 (CN117) and NRYF3 (CN1783). 3. Check and fix harness ground fault. 4. Reconnect PSU6 CN2 AC input connector 5. Replace the PSU6 power supply. 6. Replace the NRYF3. 7. Replace the IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-11	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU14 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 board/connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> Duplex Transport Motors 1 and 2 Paper Transport Motor 1 Paper Transport Motor Fan (Tray 2) Vertical Transport Motor Fan (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU6 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-12	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU15 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 board and connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: Paper Transport Motors 2 and 3, Vertical Transport Motor (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU6 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-13	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU1 on the SDB board is monitored.</p> <ol style="list-style-type: none"> 1. SDB board fuse blown 2. Defective grounding of harness between SDB board and connected component. 3. SDB defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> De-curler Transport Motor 2 Inverter Entrance Motor Duplex Inverter Motor <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the SDB board. 4. Replace the defective component. 5. Replace the IOB2 board. 6. Replace the PSU6 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-14	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU2 on the SDB board is monitored.</p> <ol style="list-style-type: none"> 1. SDB board fuse blown 2. Defective grounding of harness between SDB and connected component. 3. SDB defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> De-curler Unit Motors 1 and 2 Paper Exit Inverter Roller Contact Motor Duplex Inverter Roller Contact Motor Exit Junction Gate Motor Switchback Junction Gate Solenoid <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the SDB board. 4. Replace the defective component. 5. Replace the IOB2 board. 6. Replace the PSU6 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-15	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU3 on the SDB board is monitored.</p> <ol style="list-style-type: none"> 1. SDB board fuse blown 2. Defective grounding of harness between SDB and connected component. 3. SDB defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> De-curler Transport Motor 1 Paper Exit Motor Paper Exit Inverter Motor <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the SDB board. 4. Replace the defective component. 5. Replace the IOB2 board. 6. Replace the PSU6 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-20	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The 24V power supply status (supplied or not) from PSU7 to the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU7 (CN7447), IOB2 (CN117) and NRYF3 (CN1783) disconnected 2. Defective grounding of harness between the PSU7 and IOB2 3. Defective harness between the PSU7 (CN7454) and NRYF1 (CN1783) 4. PSU7 CN3 AC input connector disconnected 5. PSU7 defective 6. NRYF3 FU4 defective 7. IOB2 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU7 (CN7447), IOB2 (CN117) and NRYF3 (CN1783). 3. Check and fix harness ground fault. 4. Reconnect PSU7 CN3 AC input connector 5. Replace the PSU7 power supply. 6. Replace the NRYF3. 7. Replace the IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-21	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The fuse status (blown or not) of the FU6 on the IOB2 board is monitored.
		<ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: Paper Cooling Belt Fans 1 to 6
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU7 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-22	D	DC power supply error 2
		The fuse status (blown or not) of the FU7 on the IOB2 board is monitored.
		<ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: Paper Coolant Pump
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU7 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-23	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The fuse status (blown or not) of the FU8 on the IOB2 board is monitored.
		<ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. IOB2 defective <ul style="list-style-type: none"> • Connected components: Paper Cooling Belt Fans 7 and 8
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU7 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-30	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The 24V power supply status (supplied or not) from PSU8 to the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU8 (CN7408), IOB2 (CN117) and NRYF4 (CN1784) disconnected 2. Defective grounding of harness between the PSU8 and IOB2 3. Defective harness between the PSU8 and NRYF4 4. PSU8 CN4 AC input connector disconnected 5. PSU8 defective 6. NRYF4 FU3 defective 7. IOB2 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU8 (CN7408), IOB2 (CN117) and NRYF4 (CN1784). 3. Check and fix harness ground fault. 4. Reconnect PSU8 CN4 AC input connector 5. Replace the PSU8 power supply. 6. Replace the NRYF4. 7. Replace the IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-31	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU3 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 board/connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> Press Roller Lift Motor Paper Cooling Belt Motor Fusing Refresh Roller Motor Fusing Refresh Roller Contact Motor <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU1 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-32	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU4 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> PTB Motor 2 PTB Fans 5 to 8, 11 and 12 Cleaning Web Contact Motor Pressure Roller Intake Fan 3 <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU8 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-33	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU2 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> IOB2 board fuse blown Defective grounding of harness between IOB2 and connected component. Drawer connector defective <ul style="list-style-type: none"> Connected components: <ul style="list-style-type: none"> Pressure Roller Intake Fans 1 and 2 <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Check the drawer connector pin. Replace the IOB2 board. Replace the defective component. Replace the PSU8 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-34	D	DC power supply error 2
		<p>The fuse status (blown or not) of the FU13 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> IOB2 board fuse blown Defective grounding of harness between IOB2 and AC Drive board 1/2. <ul style="list-style-type: none"> Connected component: Power relay of parts on the AC Drive board 1/2 <ol style="list-style-type: none"> Turn the main power off and on. Check and fix harness ground fault. Replace the IOB2 board. Replace the AC Drive board 1/2. Replace the PSU8 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-36	D	DC power supply error 2
		<p>The fuse status (blown or not) of the FU5 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2, drawer connector, fusing unit and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected component: Fusing Web Motor <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU8 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-40	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The 24V power supply status (supplied or not) from PSU9 to the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. Connector between the PSU9 (CN7449), IOB2 (CN105) and NRYF4 (CN1784) disconnected 2. Defective grounding of harness between the PSU9 and IOB2 3. Defective harness between the PSU9 and NRYF4 4. PSU9 CN5 AC input connector disconnected 5. PSU9 defective 6. NRYF4 FU4 defective 7. IOB2 defective <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the connector between the PSU9 (CN7449), IOB2 (CN105) and NRYF4 (CN1784). 3. Check and fix harness ground fault. 4. Reconnect PSU9 CN5 AC input connector 5. Replace the PSU9 power supply. 6. Replace the NRYF4. 7. Replace the IOB2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-41	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU17 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. <ul style="list-style-type: none"> • Connected components: <ul style="list-style-type: none"> Anti-condensation Fan Exhaust Fans 5 to 7 PSU Fans 7 to 10 AC Drive board 2 Pressure Roller Exhaust Fan Paper Exit Inverter Motor Fan De-curler Motor Cooling Fan <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-42	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU20 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2, drawer connector and connected component. <ul style="list-style-type: none"> • Connected components: Paper Feed Motor (Tray 2), Tray Lift Motor (Tray 2) 3. Defective grounding of harness between IOB2 and connected component <ul style="list-style-type: none"> • Connected component: Paper Transport Motor (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-43	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU21 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components: Suction Fans 1 and 2 (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-44	D	DC power supply error 2
		<p>The fuse status (blown or not) of the 24V-PSU9_4 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective <ul style="list-style-type: none"> • Connected components: Float Fan (Tray 2), Separation Fan (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-47	D	DC power supply error 2
		The fuse status (blown or not) of the FU23 on the IOB2 board is monitored.
		<ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: Float Solenoid (Tray 2)
		<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Check the drawer connector pin. 4. Replace the IOB2 board. 5. Replace the defective component. 6. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-48	D	DC power supply error 2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<p>The fuse status (blown or not) of the FU22 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: Separate Solenoid Front/Rear (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-49	D	DC power supply error 2
		<p>The fuse status (blown or not) of the FU19 on the IOB2 board is monitored.</p> <ol style="list-style-type: none"> 1. IOB2 board fuse blown 2. Defective grounding of harness between IOB2 and connected component. 3. Drawer connector defective 4. IOB2 defective <ul style="list-style-type: none"> • Connected components: Separation Front/Rear Fan (Tray 2) <ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness ground fault. 3. Replace the IOB2 board. 4. Replace the defective component. 5. Replace the PSU9 power supply.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC687-00	D	PER Not Received Error
		Unable to receive the PER command from the controller.
		<ul style="list-style-type: none"> • Communication error
		<ul style="list-style-type: none"> • Turn the main power off and on. • Replace the IPU. • Replace the Data Transfer Unit. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC694-01	D	Data Transfer Unit: Ready notification timeout
		On startup, the engine has not received the ready notification from the Data Transfer Unit within the specified time (420 seconds).
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit. • Data Transfer Unit defective • Communication error between the engine and Data Transfer Unit
		<p>If turning the main power off and on does not solve the problem, do the following.</p> <ol style="list-style-type: none"> 1. Check the connection between the Data Transfer Unit and BCU. 2. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC694-02	D	Data Transfer Unit: BCU communication error
		Communication error or breaking/disconnection of the cable between the BCU and Data Transfer Unit is detected.
		<ul style="list-style-type: none"> • Cable between the BCU and Data Transfer Unit disconnected • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the engine and Data Transfer Unit
		<p>If turning the main power off and on does not solve the problem, do the following.</p> <ol style="list-style-type: none"> 1. Check the connection between the Data Transfer Unit and BCU. 2. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC694-03	D	Data Transfer Unit: BCU register error
		Error has been detected by the register writing test from BCU to Data Transfer Unit on startup.
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the engine and Data Transfer Unit
		If turning the main power off and on does not solve the problem, replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC694-04	D	Data Transfer Unit: IBACC writing timeout
		Data Transfer Unit has not notified the completion of the IBACC data reception to BCU within the specified time.
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the engine and Data Transfer Unit
		<p>If turning the main power off and on does not solve the problem, do the following.</p> <ol style="list-style-type: none"> 1. Check the connection between the Data Transfer Unit and BCU. 2. Replace the Data Transfer Unit.

SC600 (Controller)

SC636 to SC637, SC641 to SC653, SC672

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-01	D	IC Card Error (Expanded authentication module error)
		Issued when expanded authentication management is set to "ON" but either of the following occur. <ul style="list-style-type: none"> • There is no expanded authentication module in the machine. • 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 BCU and Controller board.
		Controller board does not respond after BCU tries to communicate threetimes.
		<ul style="list-style-type: none"> Controller board software error Connect error between BCU and Controller board Engine board software error
		<ul style="list-style-type: none"> Check connections between Controller board and BCU. Turn the main switch off and on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-01	B	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	B	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	B	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 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	B	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, 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	B	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.
		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	D	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	D	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
SC672-10	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established.
		<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 control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-11	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 control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-12	D	Controller start up error
		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 control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-13	D	Controller start up error
		The operation panel detected that the controller is down.
		<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 control panel harness.

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 controller board. • Replace the controller board. • Check the control panel harness.

SC700 (Engine: Peripherals 1)

Finisher/ Booklet Finisher

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-01	D	Downstream device communication error
		<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. • After the recognition command was sent to the upstream unit, the TX port level did not go HIGH within the prescribed 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"> • Replace the finisher and interface cable (downstream device side). • Reconnect the connector. • Replace the Main Board (finisher or downstream device option).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-03	B	Protection device break error 1
		There was an error in the voltage level of the 24V_INT_1 power supply (this SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Harness short-circuit
		<ul style="list-style-type: none"> • Replace the motor • Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-04	B	Protection device break error 2
		There was an error in the voltage level of the 24V_INT_2 power supply (this SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Harness short-circuit
		<ul style="list-style-type: none"> • Replace the motor/ Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-05	D	PSU Cooling Fan Error
		There was no LOCK detection signal issued from the fan motor (this SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • PSU Cooling Fan Motor defective. • Connector disconnected • Drive circuit defective
		<ul style="list-style-type: none"> • Replace the PSU. • Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-10	D	Transport Motor Error 1 (Entrance, Straight-through)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		DC motor drive software detected an error (this SC issues immediately at 1 st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Replace entrance, Entrance Motor, reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-11	D	Transport Motor Error 2 (Junction Gate Feed)
		Same as SC720-10
		Same as SC720-10
		<ul style="list-style-type: none"> • Replace the Junction Gate Transport Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-12	D	Transport Motor Error 3 (Downstream From Punch Unit)
		Same as SC720-10
		Same as SC720-10
		<ul style="list-style-type: none"> • Replace the Junction Gate Transport Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-13	D	Transport Motor Error 4 (registration)
		Same as SC720-10
		Same as SC720-10
		<ul style="list-style-type: none"> • Replace the Registration Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-15	B	Transport Motor Error 6 (Pre-stack)
		DC motor drive software detected an error (this SC issues immediately at 1 st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Replace the Pre-stack Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-16	B	Exit Motor Error 1 (Proof Tray Exit)
		Same as SC720-15
		Same as SC720-15
		<ul style="list-style-type: none"> • Replace the Proof Tray Exit Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-17	B	Exit Motor Error 2 (Shift Exit)
		Same as SC720-15
		Same as SC720-15
		<ul style="list-style-type: none"> • Replace the Shift Exit Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-18	B	Exit Motor Error 3 (Staple Exit)
		Same as SC720-15
		Same as SC720-15
		<ul style="list-style-type: none"> • Replace the Base Fence Movement Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-20	B	Junction Gate Motor Error 1 (Proof Tray)

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. (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. (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"> Replace the Junction Gate Motor (proof/shift tray), reconnect the connectors. Replace the JG HP Sensor (proof/shift), reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the junction gate mechanism (proof).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-21	B	Junction Gate Motor Error 2 (Staple JG)

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. (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. (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"> Replace the Junction Gate Motor (shift/staple), reconnect the connectors. Replace the JG HP Sensor (shift/staple), reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the junction gate mechanism (staple).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-23	B	Pre-stack Release Motor Error (Pressure/JG release)

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. (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. (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"> Replace the Pre-stack Release Motor, reconnect the connectors. Replace the Pre-stack Release Sensor, reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the Pre-stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-24	B	Exit Guide Motor Error
		<ul style="list-style-type: none"> Same as SC720-23
		<ul style="list-style-type: none"> Same as SC720-23
		<ul style="list-style-type: none"> Replace the Exit Guide Motor, reconnect the connectors. Replace the Exit Guide HP Sensor, reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the exit guide mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-25	D	Punch Motor Error
		<ul style="list-style-type: none"> • After the punch motor started to operate, the punch was not detected at its home position within specified number of pulses. (The first time: jam display, the second time: SC) • After the punch motor started to operate, the punch did not leave its home position within specified number of 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"> • Replace the Punch Motor, reconnect the connectors. • Replace the Punch Unit HP Sensor, reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the punch mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-26	D	Punch Junction Gate Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Punch Junction Gate Motor. • Reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the punch mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-27	D	Punch Movement Motor Error
		<ul style="list-style-type: none"> After the Punch Movement Motor started to operate, the punch did not return to its home position within specified number of pulses. (The first time: jam display, the second time: SC) When the Punch Movement Motor started to operate, home position was still detected after specified number of pulses. (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"> Replace the Punch Movement Motor. Reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the punch mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-28	B	Punch Horizontal Registration Detection Error (Motor /CIS)
		Punch Horizontal Registration CIS Error
		<ul style="list-style-type: none"> Motor defective Connector disconnected Overload
		<ul style="list-style-type: none"> Replace the Punch Horizontal Registration Sensor. Reconnect the connectors. Replace the harness. Replace the Main Board. Resolve the mechanical failure for the punch mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-31	B	Jogger Motor (Front) Error

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. (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. (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"> Replace the Jogger Motor (Front), reconnect the cconnector. Replace the Jogger Fence HP Sensor (Front), reconnect the cconnector. Replace the harnesses. Replace the Main Board. Resolve the mechanical failure for the stapler mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-32	B	Jogger Motor (Rear) Error
		Same as SC720-31
		Same as SC720-31
		<ul style="list-style-type: none"> Replace the Jogger Motor (Rear), reconnect the cconnector. Replace the Jogger Fence HP sensor (Rear), reconnect the cconnector. Replace the harnesses. Replace the Main Board. Resolve the mechanical failure for the stapler mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-33	B	Positioning Roller Lift Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Same as SC720-31
		Same as SC720-31
		<ul style="list-style-type: none"> • Replace the Positioning Roller Lift Motor, reconnect the cconnector. • Replace the Positioning Roller HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-34	B	Positioning Roller Rotation Motor Error
		A discharge or short circuit was detected on the motor drive board (this SC issues immediately at first error).
		<ul style="list-style-type: none"> • Motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Replace the Positioning Roller Rotation Motor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-35	B	Trailing Edge Press Motor Error
		<ul style="list-style-type: none"> • The stack plate drive unit in the staple unit did not return to the home position within specified number of pulses. (The first time: jam display, the second time: SC) • When the stack plate drive unit in the staple unit moved from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. <p>During the initial operation, after performing retry, the first time is jam supply and the second time is SC.</p> <p>At all times other than during initial operation, the first time is SC.</p>
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
<ul style="list-style-type: none"> • Replace Trailing Edge Press Motor, reconnect the connector. • Replace Trailing Edge Press Plate HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-39	B	Leading Edge Stopper Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. <p>During the initial operation, after performing retry, the first time is jam supply and the second time is SC.</p> <p>At all times other than during initial operation, the first time is SC.</p>
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
<ul style="list-style-type: none"> • Replace the Leading Edge Stopper Motor, reconnect the cconnector. • Replace the Leading Edge Stopper HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-40	B	Base Fence Lift Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
<ul style="list-style-type: none"> • Replace the Base Fence Lift Motor, reconnect the cconnector. • Replace the Base Fence up-down HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-41	B	Feed-out Belt Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. <p>During the initial operation, after performing retry, the first time is jam supply and the second time is SC.</p> <p>At all times other than during initial operation, the first time is SC.</p>
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
<ul style="list-style-type: none"> • Replace the Feed-out Belt Motor, reconnect the cconnector. • Replace the Top Fence HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-42	B	Corner Stapler Movement Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		<ul style="list-style-type: none"> • Replace the Corner Stapler Movement Motor, reconnect the cconnector. • Replace the Corner stapler HP sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism. • Resolve the mechanical failure for the stapler unit mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-43	B	Corner Stapler Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Corner Stapler Motor, reconnect the connector. • Replace the Stapler Rotation HP Sensors (front, rear), reconnect the connectors. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism. • Resolve the mechanical failure for the stapler unit mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-44	B	Booklet Stapler Motor Error
		<ul style="list-style-type: none"> • The corner stapler did not operate within specified time • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Staple jam • Overload (too many sheets for stapling)
		<ul style="list-style-type: none"> • Remove the pieces of staples. • Replace the cartridge. • Replace the Booklet Stapler Motor • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler unit mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-50	B	Booklet Stapler Side Fence Motor Error

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. (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. (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"> Replace the Booklet Stapler Side Fence Motor, reconnect the cconnector. Replace the Booklet Stapler Side Fence HP Sensors (front, rear), reconnect the cconnectors. Replace the harnesses. Replace the Main Board. Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-51	B	Booklet Bottom Fence Motor Error
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> Replace the Booklet Bottom Fence Motor, reconnect the cconnector. Replace the Booklet Stapler Bottom Fence HP Sensor, reconnect the cconnector. Replace the harnesses. Replace the Main Board. Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-52	B	Fold Plate Motor Error Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> • Replace the Fold Plate Motor Error, reconnect the cconnector. • Replace the Fold Plate HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-53	B	Booklet Stapler Bottom Fence Motor Error
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> • Replace the Booklet Stapler Bottom Fence Motor, reconnect the cconnector. • Replace the Booklet Stapler Bottom Fence HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-54	B	Stack Transport Unit Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> • Replace the Stack Transport Unit Motor, reconnect the cconnector. • Replace the Stack Transport Unit HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-55	B	Booklet Stapler Clamp Roller Motor Error
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> • Replace the Booklet Stapler Clamp Roller Motor, reconnect the cconnector. • Replace the Booklet Stapler Clamp Roller HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-56	B	Turn Guide Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Same as SC720-50
		Same as SC720-50
		<ul style="list-style-type: none"> • Replace the Turn Guide Motor Error, reconnect the cconnector. • Replace the Stack JG HP sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-60	B	Booklet Stapler Motor Error
		<ul style="list-style-type: none"> • The booklet stapler did not operate within specified time. (The first time: jam display, the second time: SC) • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Staple jam • Overload (too many sheets for stapling) • Motor defective • Connector disconnected • Home position sensor defective
		<ul style="list-style-type: none"> • Remove the pieces of staples. • Replace the cartridge. • Replace the Booklet Stapler Motor, reconnect the cconnector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler unit mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-70	B	Shift Tray Lift Motor Error
		<ul style="list-style-type: none"> • When descending, Paper Height Sensors are still detecting paper after specified time. (The first time: jam display, the second time: SC) • When ascending, Paper Height Sensors did not detect top side of paper within specified time. (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"> • Replace the Shift Tray Lift Motor, reconnect the cconnector. • Replace the Paper Height Sensors (TE, shift), reconnect the cconnector. • Replace the Shift Tray Limit Switch, reconnect the cconnector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the shift tray mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-71	B	Shift Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Shift Motor, reconnect the cconnector. • Replace the Shift Tray HP Sensors (Front, Rear), reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift tray mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-72	B	Shift Jogger Motor Error
		<ul style="list-style-type: none"> • When the jogger fence moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the jogger fence moved to the home position, home position was still detected after specified number of 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"> • Replace the Shift Jogger Motor, reconnect the connector. • Replace the Shift Tray Jogger HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-74	B	Shift Jogger Fence Retract Motor Error
		<ul style="list-style-type: none"> • When the output jogger retraction unit moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the output jogger retraction unit moved from home position, home position was still detected after specified number of 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"> • Replace the Shift Jogger Fence Retract Motor, reconnect the cconnector. • Replace the Shift Jogger Retract HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-75	B	Drag Roller Movement Motor Error
		<ul style="list-style-type: none"> • When drag roller unit moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the drag roller unit moved from the home position, home position was still detected after specified number of 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"> • Replace the Drag Roller Movement Motor, reconnect the cconnector. • Replace the Drag Roller HP Sensor, reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-76	B	Drag Roller Error
		<ul style="list-style-type: none"> • At cw rotation (roller return), the motor drive board discharged or had a short circuit (this SC issues immediately at first error). • At ccw rotation (press operation), the component was not detected at the home position within the specified number of pulses. (The first time: jam display, the second time: SC) • At ccw rotation (press operation), the component had not moved from the home position within the specified number of 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"> • Replace the Drag Roller Motor, reconnect the cconnector. • Replace the Drag Roller HP Sensor, reconnect the cconnector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-77	B	Exit Fan Motor Error
		<ul style="list-style-type: none"> • No lock signal is received for 10 times consecutively.
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Drive circuit defective
		<ul style="list-style-type: none"> • Replace the Exit Fan Motor (Front, Rear), reconnect the cconnector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-80	B	Interlock Power Error
		There was an error in the voltage level of the 24V_INT power supply (this SC issues immediately at 1st occurrence).
		Main Board power circuit defective
		<ul style="list-style-type: none"> • Replace the main board. • Replace the harnesses.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-81	D	Protection Device Break Error 3
		There was an error in the voltage level of the 24V_POW power supply (this SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Harness short-circuit
		<ul style="list-style-type: none"> • Replace the motor/ Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-82	B	Base Fence Movement Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • DC motor drive software detected an error (this SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
<ul style="list-style-type: none"> • Replace the Base Fence Movement Moto, reconnect the connector. • Replace the Base Fence Front-back HP Sensor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-83	B	Stack Transport Motor Error
		DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Replace the Stack Transport Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-84	B	Fold Roller Motor Error
		A discharge or short circuit was detected on the motor drive board (this SC issues immediately at first error).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload
		<ul style="list-style-type: none"> • Replace the Fold Roller Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-85	B	Booklet Stack Tray Motor Error
		DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		<ul style="list-style-type: none"> • Motor defective • Connector disconnected • Overload • Encoder defective
		<ul style="list-style-type: none"> • Replace the Booklet Stack Tray Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the booklet stack tray mechanism.

Multi-Folding Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-01	D	Downstream device communication error
		<ul style="list-style-type: none"> Downstream device break continued even after 10 sec passes. Partner terminal does not break even 200 msec after the downstream device starts to wait. ATN without break is received in advance from the downstream device. ST2 is received from the downstream device during receipt of ST1 frame, or vice versa. When the response (ACKn) to the frame sent to the downstream device is not notified within the time limit (100 msec), frame sending is retried a maximum of 3 times but there is still no responses acquired. After connection with the downstream device, the downstream device breaks again.
		<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"> Replace the interface cable. Replace the PCB of downstream device. Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-03	D	Multi-Folding Unit: Protection device break error 1
		A fuse has blown on the 24V1 line.
		24V2 line fuse blown
		Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-04	D	Multi-Folding Unit: Protection device break error 2
		A fuse has blown on the 24V2 line.
		24V2 line fuse blown
		Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-12	B	Registration Roller Transport Motor Error
		<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"> • Replace the Main Board. • Replace the Registration Roller Transport Motor. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-13	B	Dynamic Roller Transport Motor Error
		<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"> • Replace the Main Board. • Replace the Dynamic Roller Transport Motor • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-14	B	Top Tray Exit Motor Error
		<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"> • Replace the Main Board. • Replace the Top Tray Exit Motor. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-30	B	Stopper 1 Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Stopper 1 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 1 HP Sensor

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-31	B	Stopper 2 Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Stopper 2 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 2 HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-32	B	Stopper 3 Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Stopper 3 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 3 HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-33	B	Jogger Fence Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Jogger Fence Motor. • Replace the harness. • Reconnect the connector. • Replace the Jogger Fence HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-34	B	Dynamic Roller Lift Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Dynamic Roller Lift Motor • Replace the harness. • Reconnect the connector. • Replace the Dynamic Roller HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-35	B	Registration Roller Release Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Registration Roller Release Motor. • Replace the harness. • Reconnect the connector. • Replace the Jogger Fence HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-36	B	Direct-Send JG Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the Direct-Send JG Motor. • Replace the harness. • Reconnect the connector. • Replace the Direct Send JG HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-37	B	FM6 Pawl Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Replace the Main Board. • Replace the FM6 Pawl Motor. • Replace the harness. • Reconnect the connector. • Replace the Bypass Exit Paper Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-38	B	Fold Plate Motor Error
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of 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. (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"> Replace the Main Board. Replace the Fold Plate Motor. Replace the harness. Re-connect the connector. Replace the Fold Plate HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-39	B	1st Fold Motor Error
		<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"> Replace the Main Board. Replace the 1st Fold Motor. Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-40	B	2nd Fold Motor Error
		<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"> • Replace the Main Board. • Replace the 2nd Fold Motor • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-41	B	Crease Motor Error
		<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"> • Replace the Main Board. • Replace the Crease Motor. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-71	D	Horizontal Transport Motor Error
		<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"> • Replace the Main Board. • Replace the Horizontal Transport Motor • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-72	D	Horizontal Exit Motor Error
		<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"> • Replace the Main Board. • Replace the Horizontal Exit Motor. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-73	D	Top Tray Transport Motor Error
		<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"> • Replace the Main Board. • Replace the Top Tray Transport Motor • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-74	D	Entrance JG Motor Error
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of 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. (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"> Replace the Main Board. Replace the Entrance JG Motor Replace the harness. Re-connect the connector. Replace the Entrance JG HP Sensor.

High Capacity Stacker

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-01	D	Stacker 1 (Upstream): Downstream device communication
SC731-01	D	Stacker 2 (Downstream): Downstream device communication

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> Downstream device break continued even after 10 sec passes. Partner terminal does not break even 200 msec after the downstream device starts to wait. ATN without break is received in advance from the downstream device. ST2 is received from the downstream device during receipt of ST1 frame, or vice versa. When the response (ACKn) to the frame sent to the downstream device is not notified within the time limit (100 msec), frame sending is retried a maximum of 3 times but there is still no responses acquired. After connection with the downstream device, the downstream device breaks again.
		<ul style="list-style-type: none"> Interface cable (downstream device side) connector disconnected or broken. Downstream device board defective, control board defective
		<ul style="list-style-type: none"> Replace the control board. Replace the downstream device board. Replace the interface cable.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-10	D	Stacker 1 (Upstream): Entrance Motor Error
SC731-10	D	Stacker 2 (Downstream): Entrance Motor Error
		<ul style="list-style-type: none"> Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> Motor defective Motor driver overcurrent Motor driver overheat detected
		<ul style="list-style-type: none"> Check the Entrance Motor connection. Replace the Entrance Motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-11	D	Stacker 1 (Upstream): Proof Tray Exit Motor Error
SC731-11	D	Stacker 2 (Downstream): Proof Tray Exit Motor Error
		Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Proof Tray Exit Motor connection. • Replace the Proof Tray Exit Motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-12	D	Stacker 1 (Upstream): Transport Motor Error
SC731-12	D	Stacker 2 (Downstream): Transport Motor Error
		Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Transport Motor connection. • Replace the Transport Motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-13	B	Stacker 1 (Upstream): Shift Exit Motor Error
SC731-13	B	Stacker 2 (Downstream): Shift Exit Motor Error
		Motor driver detected an error. (SC from the first time)
		<ul style="list-style-type: none"> • Motor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Shift Exit Motor connection. • Replace the Shift Exit Motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-20	D	Stacker 1 (Upstream): Proof Tray JG Motor Error
SC731-20	D	Stacker 2 (Downstream): Proof Tray JG Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Motor defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Proof Tray JG Motor/Proof Tray JG HP Sensor connection. • Replace the Proof Tray JG Motor/Proof Tray JG HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-21	D	Stacker 1 (Upstream): Shift Tray JG Motor Error
SC731-21	D	Stacker 2 (Downstream): Shift Tray JG Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • 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"> • Moter defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Shift Tray JG Motor/Shift Tray JG HP Sensor connection. • Replace the Shift Tray JG Motor/Shift Tray JG HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-30	B	Stacker 1 (Upstream): Shift Motor Error
SC731-30	B	Stacker 2 (Downstream): Shift Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Moter defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Shift Motor/Shift HP Sensor connection. • Replace the Shift Motor/Shift HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-31	B	Stacker 1 (Upstream): Main Jogger Front Fence Motor Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC731-31	B	Stacker 2 (Downstream): Main Jogger Front Fence Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Motor defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Main Jogger Front Fence Motor/Front Fence HP Sensor connection. • Replace the Main Jogger Front Fence Motor/Front Fence HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-32	B	Stacker 1 (Upstream): Main Jogger Rear Fence Motor Error
SC731-32	B	Stacker 2 (Downstream): Main Jogger Rear Fence Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (The first time: jam display, the second time: SC) • 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"> • Moter defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Main Jogger Rear Fence Motor/Rear Fence HP Sensor connection. • Replace the Main Jogger Rear Fence Motor/Rear Fence HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-33	B	Stacker 1 (Upstream): Main Jogger Fence Retraction Motor Error
SC731-33	B	Stacker 2 (Downstream): Main Jogger Fence Retraction Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified number of 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. (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"> • Moter defective • Connector disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		<ul style="list-style-type: none"> • Check the Main Jogger Fence Retraction Motor/Jogger Fence Retraction HP Sensor connection. • Replace the Main Jogger Fence Retraction Motor/Jogger Fence Retraction HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-34	B	Stacker 1 (Upstream): Sub Jogger Motor Error
SC731-34	B	Stacker 2 (Downstream): Sub Jogger Motor Error
		<ul style="list-style-type: none"> When moving to the home position, home position was not detected within specified number of 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. (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"> Motor defective Connector disconnected Overload Home position sensor defective Motor driver overcurrent Motor driver overheat detected
		<ul style="list-style-type: none"> Check the Sub Jogger Motor/Sub Jogger HP Sensor connection. Replace the Sub Jogger Motor/Sub Jogger HP Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-35	B	Stacker 1 (Upstream): LE Stopper Motor Error
SC731-35	B	Stacker 2 (Downstream): LE Stopper Motor Error
		<ul style="list-style-type: none"> When lowering, the paper height sensor continues to detect paper even after the time limit passes.(The first time: jam display, the second time: SC) When rising, the paper height sensor does not detect the upper surface of paper even after the time limit passes.(The first time: jam display, the second time: SC) The tray high limit SW, tray low limit SW and door safety SW is detected. (This SC issues immediately at 1st occurrence).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Moter defective • Connector disconnected • Overload • Paper Height Sensor defective
		<ul style="list-style-type: none"> • Check the LE Stopper Motor/LE Stopper HP Sensor connection. • Replace the LE Stopper Motor/LE Stopper HP Sensor Sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC730-40	B	Stacker 1 (Upstream): Tray Lift Motor Error
SC731-40	B	Stacker 2 (Downstream): Tray Lift Motor Error
		<ul style="list-style-type: none"> • When lowering, the paper height sensor continues to detect paper even after the time limit passes. (The first time: jam display, the second time: SC) • When rising, the paper height sensor does not detect the upper surface of paper even after the time limit passes. (The first time: jam display, the second time: SC) • The tray high limit SW, tray low limit SW and door safety SW is detected. (This SC issues immediately at 1st occurrence)
		<ul style="list-style-type: none"> • Moter defective • Connector disconnected • Overload • Paper Height Sensor defective
		<ul style="list-style-type: none"> • Check the Tray Lift Motor/Paper Height Sensor connection. • Replace the Tray Lift Motor/Paper Height Sensor.

Trimmer Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC735-10	B	Trimming Blade Motor Error
		<ul style="list-style-type: none"> • After start of trimming operation, the home position is not detected within the time limit. (The first time: SC) • Also, when a JAM signal is sent due to overload during the trimming operation, the home position is not detected within the time limit after reverse rotation operation starts. (Regardless of whether or not recovery is successful, the first time: SC)
		<ul style="list-style-type: none"> • Trimming Blade Motor defective • Connector disconnected • Overload • Trimming Blade HP Sensor defective • Main Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the connector. • Replace the Trimming Blade HP Sensor. • Replace the Trimming Blade Motor. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC735-11	B	Press Roller Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Press Roller Motor defective • Connector disconnected • Press Roller HP Sensor defective • Main Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the connector. • Replace the Press Roller HP Sensor. • Replace the Press Roller Motor. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC735-12	B	Cut Position Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Cut Position Motor defective • Connector disconnected • Stopper Assembly HP Sensor defective • Main Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the connector. • Replace the Stopper Assembly HP Sensor • Replace the Cut Position Motor. • Replace the Main Board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC735-13	B	Press Stopper Motor Error
		<ul style="list-style-type: none"> • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		<ul style="list-style-type: none"> • Press Stopper Motor defective • Connector disconnected • Press Stopper HP Sensor defective • Main Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the connector. • Replace the Press Stopper HP Sensor • Replace the Press Stopper Motor. • Replace the Main Board.

Cover Interposer Tray

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-01	D	Downstream device communication error
		<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 (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 inserter and downstream device) connector disconnected or broken • Replace the PCB (inserter or downstream device).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-10	B	1st Lift Motor Error
		<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	1st Pick-Up Motor Error
		<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"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<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. • Repair the pick-up mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-20	B	2nd Lift Motor Error
		<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"> • 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
		<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"> • Motor defective • Connector disconnected • Overload • Home position sensor defective
		<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. • Repair the pick-up mechanism

SC700 (Engine: Peripherals 2)

Perfect Binder (1)

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-01	D	Perfect Binder: Communication error with downstream peripheral
		<ul style="list-style-type: none"> • Break continued for 10 seconds or longer. • Another STN was received during frame receipt. • No response even after resending 3 times.
		<ul style="list-style-type: none"> • Relay board defective, connector loose, broke, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the relay board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-10	D	Perfect Binder: Master-to-slave communication error 1
		Master control board could not communicate with the slave control board for over 5 sec. and issued the communication alarm.
		<ul style="list-style-type: none"> • Master control board defective. • Slave Control Board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the master control board. • Replace the slave control board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-11	D	Perfect Binder: Master-to-slave communication error 2
		Slave control board could not communicate with the master control board for over 5 sec. and issued the communication alarm.
		<ul style="list-style-type: none"> • Master control board defective. • Slave Control Board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the master control board., • Replace the slave control board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-12	D	Perfect Binder: Master-to-relay board communication error
		<ul style="list-style-type: none"> • IPU not "READY" • IPU occupancy not obtained • IPU detected an error
		<ul style="list-style-type: none"> • Master control board defective. • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the relay board. • Replace the master control board., • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-13	D	Perfect Binder: Slave-to-cutter control board communication error 1
		Slave control board could not communicate with the cutter control board (it detected the communication alarm for over 5 sec.).
		<ul style="list-style-type: none"> • Slave Control Board defective • Cutter control board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slave control board. • Replace the cutter control board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-14	D	Perfect Binder: Slave-to-cutter control board communication error 2
		Cutter control board could not communicate with the slave control board and detected the communication alarm for over 5 sec.
		<ul style="list-style-type: none"> • Slave Control Board defective • Cutter control board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slave control board. • Replace the cutter control board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-15	D	Perfect Binder: Master EEPROM Read Error
		Data written to the EEPROM does not match data read from the EEPROM
		<ul style="list-style-type: none"> • EEPROM defective
		<ul style="list-style-type: none"> • Replace the master control board EEPROM • Replace the master control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-16	D	Perfect Binder: Master EEPROM write error
		When data was written to the EEPROM, the EEPROM signaled that it was busy for longer than 25 ms and did not recover.
		<ul style="list-style-type: none"> • EEPROM defective • EEPROM not installed
		<ul style="list-style-type: none"> • Install the master control board EEPROM • Replace the master control board EEPROM • Replace the master control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-17	D	Perfect Binder: Master-to-inserter initial communication error
		After the ConfigSet (parallel signal) went ON while the inserter connection status was being checked, the initialization did not end successfully within 5 sec.
		<ul style="list-style-type: none"> • Inserter board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the master control board. • Replace the inserter board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-18	D	Perfect Binder: Master-to-Inserter Board Communication Error
		No response to the specified command during the timeout. There was an overflow in memory where information required for paper feed is stored. (Master control board detection.)
		<ul style="list-style-type: none"> • Communication error at inserter • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the master control board. • Replace the inserter board. • Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-19	D	Perfect Binder: Software matching error
		The IDs for the relay software of the master, slave, cutter, inserter devices do not match.
		<ul style="list-style-type: none"> • Software write failure
		<ul style="list-style-type: none"> • Download the software.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-20	D	Perfect Binder: 24V Check Signal Error 1
		The 24V1 monitor signal of the master control board did not go off even though the front door switch was closed. (Relay circuit failed to go ON.)
		<ul style="list-style-type: none"> • Front door L/R SW defective • Master control board defective.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door L/R SW. • Replace the master control board. • Replace the sensor harness

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-21	D	Perfect Binder: 24V Check Signal Error 2
		Top cover switch open or the 24V2 monitoring signal of master controller lost power for more than 5 sec, regardless of the status of the front door L/RWS and top cover sensor. (Top cover sensor, or top cover switch is faulty.)
		<ul style="list-style-type: none"> • Front door L/RWS defective • Top cover switch defective • Top cover sensor defective • Master board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door L/RWS. • Replace the top cover switch • Replace the top cover sensor. • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-22	D	Perfect Binder: 24V Check Signal Error 3
		The the 24V2 check signal of the slave control board failed to go OFF within 5 sec. even though the front door and top cover are closed.
		<ul style="list-style-type: none"> • Front door L/RWS defective • Top cover switch defective • Top cover sensor defective • Master board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door L/RWS. • Replace the Top cover switch • Replace the topcover sensor. • Replace the slave board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-23	D	Perfect Binder: 24V Check Signal Error 4
		The 24V3 check signal of the slave control board failed to go OFF within 5 sec., regardless of the status of the front door (monitored by the master control board).
		<ul style="list-style-type: none"> • Front door L/RSW defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door L/RSW • Replace the slave board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-24	D	Perfect Binder: Power supply fan (right) lock error
		Right power supply fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		<ul style="list-style-type: none"> • Right power supply fan overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the right power supply fan • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-25	D	Perfect Binder: Power supply fan (center) lock error
		See SC750-24
		<ul style="list-style-type: none"> Center power supply fan overloaded, defective Slave Control Board defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the center power supply fan Replace the slave board. Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-26	D	Perfect Binder: Left power supply fan lock error detected
		See SC750-24
		<ul style="list-style-type: none"> Left power supply fan overloaded, defective Master control board defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the left power supply fan Replace the master control board. Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-27	D	Perfect Binder: Spine plate fan (front) lock error
		Front spine plate fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		<ul style="list-style-type: none"> Front spine plate fan overloaded, defective Slave Control Board defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the front spine plate fan. Replace the slave board. Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-28	D	Perfect Binder: Spine plate lower fan (right) lock error
		See SC750-27
		<ul style="list-style-type: none"> • Right lower spine plate fan overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the right lower spin plate fan. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-29	D	Perfect Binder: Spine plate upper fan (front) lock error
		See SC750-27
		<ul style="list-style-type: none"> • Front upper spine plate fan overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front upper spine plate fan. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-30	D	Perfect Binder: Spine plate upper fan (right) lock error
		See SC750-27
		<ul style="list-style-type: none"> • Upper right spine plate fan overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the upper right spine plate fan. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-31	D	Perfect Binder: Signature fan 2 (front) lock error
		Front signature fan 2 failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		<ul style="list-style-type: none"> • Front signature fan 2 overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front signature fan 2. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-32	D	Perfect Binder: Signature fan 2 (rear) lock error
		See SC750-31
		<ul style="list-style-type: none"> • Rear signature fan 2 overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the rear signature fan 2. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-33	D	Perfect Binder: Signature fan 1 (front) lock error
		See SC750-31
		<ul style="list-style-type: none"> • Front signature fan 1 overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front signature fan 1. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-34	D	Perfect Binder: Signature fan 1 (rear) lock error
		See SC750-31
		<ul style="list-style-type: none"> • Rear signature fan 1 overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the rear signature fan 1. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-35	D	Perfect Binder: Glue supply fan (high) lock error
		Glue supply (high) fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		<ul style="list-style-type: none"> • Glue supply fan (high) overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply fan (high). • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-36	D	Perfect Binder: Glue supply fan L lock error
		Glue supply L fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		<ul style="list-style-type: none"> • Glue supply fan L overloaded, defective • Slave Control Board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply fan L. • Replace the slave board. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-37	D	Perfect Binder: Grip HP sensor lag error
		During operation of the grip unit the HP sensor did not OFF after grip unit moved 20 mm.
		<ul style="list-style-type: none"> • Grip motor defective, grip HP sensor defective, overload, sensor flag defective, connector broken defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-38	D	Perfect Binder: Grip HP sensor late error
		The HP sensor did not go ON after the grip unit released the signature and moved 76 mm.
		<ul style="list-style-type: none"> Grip motor defective, Grip end sensor defective, overload, Sensor flag defective, connector broken defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the grip motor. Replace the grip HP sensor. Replace the cutter control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-39	D	Perfect Binder: Grip end sensor lag error
		<ul style="list-style-type: none"> The grip end sensor did not go off after the grip unit released the signature and moved the prescribed distance. The grip end sensor did not go off, even after the booklet had been released after moving 86 mm.
		<ul style="list-style-type: none"> Grip motor defective, Grip end sensor defective, overload Sensor flag defective, connector broken defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the grip motor. Replace the grip end sensor. Replace the cutter control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-40	D	Perfect Binder: Grip end sensor late error
		<ul style="list-style-type: none"> The grip end sensor did not go on, even after the booklet had been moved 86 mm. The grip end sensor did not go on within 3.7 sec. after the book was gripped.
		<ul style="list-style-type: none"> Grip motor defective, Grip end sensor defective, overload, Sensor flag defective, connector broken defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the grip motor. Replace the grip end sensor. Replace the cutter control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-41	D	Perfect Binder: Left trimming buffer HP sensor lag error
		The left trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		<ul style="list-style-type: none"> Trimmings buffer motor defective , Left trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		<ul style="list-style-type: none"> Reconnect the connector. Replace the trimming buffer motor. Replace the left trimming buffer HP sensor. Replace the cutter control board. Replace the motor harness. Replace the sensor harness. Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-42	D	Perfect Binder: Trimming buffer HP sensor late error
		The left trimmings buffer HP sensor did not go OFF within 5 sec. after the trimmings buffer moved toward the sensor.
		Trimmings buffer motor defective, Left trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the left trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-43	D	Perfect Binder: Right trimming buffer HP sensor lag error
		The right trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		Trimmings buffer motor defective, Right trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the right trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-44	D	Perfect Binder: Right trimming buffer HP sensor late error
		The right trimmings buffer HP sensor did not go OFF within 5 sec. after the trimmings buffer moved toward the sensor.
		Trimmings buffer motor defective, Right trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the right trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-45	D	Perfect Binder: Trimmings buffer motor rotation error
		No encoder lock input received within 50 ms during operation.
		<ul style="list-style-type: none"> • Trimmings buffer motor defective • Trimming buffer encoder sensor defective, overload, connector broken defective, buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the trimming buffer encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-46	D	Perfect Binder: Thrust plate operation error
		The thrust press plate sensor did not go OFF after the trimmings buffer moved to the left for 3 sec. (blocked by jammed trimming scraps).
		Trimmings buffer motor defective, Thrust plate sensor defective, overload, connector broken defective, buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-47	D	Perfect Binder: Thrust plate retraction error
		The paper press plate sensor did not go ON after the trimmings buffer moved to the right for 3 sec. (blocked by jammed trimming scraps)
		Trimmings buffer motor defective, Thrust plate sensor defective, overload, connector broken defective, buffer full of trimmings.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-48	D	Perfect Binder: Book collection buffer HP sensor error
		The book collection buffer HP sensor did not go OFF within the time prescribed for release of the book in the book buffer.
		Book buffer tray motor defective, Book collection buffer tray HP sensor defective, overload, connector broken defective, blocked by paper scraps
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-49	D	Perfect Binder: Book collection buffer tray HP sensor late error
		The book collection buffer HP sensor did not go off even after the book buffer tray moved for 3 sec.
		Book buffer tray motor defective, Book collection buffer tray HP sensor defective, overload, connector broken defective, blocked by paper scraps
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-50	D	Perfect Binder: Press HP sensor lag error
		During press plate operation during trimming, the edge press plate HP sensor did not OFF after it had time to move the prescribed distance.
		Edge press plate motor defective, Press HP sensor defective, overload, connector broken defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-51	D	Perfect Binder: Edge press plate late error
		<ul style="list-style-type: none"> • Edge press plate sensor did not go ON within 15 sec. of edge press release. • The edge press plate motor stopped when the edge press plate HP sensor switched ON, but after it stopped the HP sensor went OFF.
		<ul style="list-style-type: none"> • Edge press plate motor defective, Press HP sensor defective, overload, disconnected • Edge press plate motor defective, Press end sensor defective, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-52	D	Perfect Binder: Press end sensor lag jam
		After the press plate released the signature and moved the prescribed distance, the press end sensor did not go OFF.
		Edge press plate motor defective, Press end sensor defective, overload, disconnected
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-53	D	Perfect Binder: Press end sensor late jam
		<ul style="list-style-type: none"> • The press end sensor did not go ON within 8 sec. after the press operation started • Operation stopped when the press end sensor went ON, but sensor went off after the operation stopped.
		Edge press plate motor defective, Press end sensor defective, overload, disconnected, no data about book thickness received
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-54	D	Perfect Binder: Press limit sensor error
		Press limit sensor signaled ON.
		Press limit sensor signaled ON.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the press limit sensor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-55	D	Perfect Binder: Slide HP sensor lag error
		When the slide was raised, the slide HP sensor did not go OFF after it moved 180 mm.
		Slide motor defective, slide HP sensor defective, overload, disconnected, book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-56	D	Perfect Binder: Slide HP sensor late error
		The slide HP sensor did not go ON after the slide was lowered and had enough time to move 180 mm.
		Slide motor defective, slide HP sensor defective, overload, disconnected, book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-57	D	Perfect Binder: Book rotation HP sensor (right) lag error
		<ul style="list-style-type: none"> • The book rotation HP sensor did not go OFF after the book was rotated 60 degrees. • The book rotation HP sensor did not go OFF after the book was rotated 30 degrees.
		Book rotation motor 1 (right) defective, Book rotation HP sensor (right) defective, overload, disconnected, book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation motor 1 (right) • Replace the book rotation HP sensor (right) • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-58	D	Perfect Binder: Book rotation HP sensor (right) late error
		<ul style="list-style-type: none"> • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 440 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 360 degrees.
		Book rotation motor 1 (right) defective, Book rotation HP sensor (right) defective, overload, disconnected, book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation motor 1 (right) • Replace the book rotation HP sensor (right) • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-59	D	Perfect Binder: Book rotation HP sensor (left) lag error
		<ul style="list-style-type: none"> • The book rotation HP sensor 2 (right) did not go OFF after the book was rotated 50 degrees. • The book rotation HP sensor 2 (left) did not go OFF after the book was rotated 50 degrees toward the cutting position.
		Book rotation motor 2 (left)defective, Book rotation HP sensor 2(left) defective, overload, disconnected, book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2(left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-60	D	Perfect Binder: Book rotation HP sensor (left) late error
		<ul style="list-style-type: none"> • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 360 degrees. • Before the book is rotated before cutting, the book rotation HP sensor 2 (left) did not go on, even after the book had been rotated twice the prescribed distance.
		<p>Book rotation motor 2 (left)defective, book rotation HP 2 (left) sensor defective, overload, disconnected, book jam</p> <ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation HP 2 (left) sensor. • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-61	D	Perfect Binder: Cutter front HP sensor lag error
		<ul style="list-style-type: none"> • At initialization, the blade did not leave the home position even after 20 mm of movement. • When the blade moved to the rear, the blade did not leave the home position after the length of time elapsed tof 10 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-62	D	Perfect Binder: Cutter rear HP sensor late error
		When the blade was moved to the rear, it did not arrive at the home position after 122 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-63	D	Perfect Binder: Cutter rear HP sensor lag error
		<ul style="list-style-type: none"> When the blade moved from the rear HP sensor, it did not leave the rear HP position after 20 mm of movement toward the front. When the blade moved to the front, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		<ul style="list-style-type: none"> Reconnect the connector. Replace the cutter motor. Replace the blade sensors 1, 2. Replace the cutter control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-64	D	Perfect Binder: Cutter front HP sensor lag error
		When the blade is moved to the front, the blade did not return to blade sensor 1 after enough time had elapsed for the blade to move 122 mm.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnect, overload
		<ul style="list-style-type: none"> Reconnect the connector. Replace the cutter motor. Replace the blade sensors 1, 2. Replace the cutter control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-65	D	Perfect Binder: Cut end late error
		<ul style="list-style-type: none"> • During movement from front to rear during cutting, blade sensor 1 did not go ON after enough time had elapsed for the blade to move 61 mm. • During movement from front to rear during cutting, blade sensor 1 did not go ON after 10 sec. had elapsed.
		Cutter motor defective, Blade sensors 1 defective, disconnected, overload. Blade is dull, not cutting efficiently.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-66	D	Perfect Binder: Cut end lag error
		<ul style="list-style-type: none"> • During movement from rear to front during cutting, blade sensor 1 did not go OFF after enough time had elapsed for the blade to move 61 mm. • During movement from rear to front during cutting, blade sensor 1 did not go OFF after 10 sec. had elapsed.
		Cutter motor defective, Blade sensors 1 defective, disconnected, overload. Blade is dull, not cutting efficiently.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-67	D	Perfect Binder: Trimmer limit sensor error
		Trimmer limit sensor signaled ON.
		Trimmer limit sensor defective Blade sensors 1, 2 defective , disconnect
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Trimmer limit sensor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-68	D	Perfect Binder: Book lift tray HP sensor lag error
		<ul style="list-style-type: none"> • During tray lifting, the book tray lift sensor did not go off after 10 sec. had elapsed. • The book lift sensor did not go off after enough time had elapsed to move the tray more than 10 mm.
		Book lift tray motor defective, Book lift tray HP sensor defective, disconnect, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book lift tray motor. • Replace the book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-69	D	Perfect Binder: Book lift tray HP sensor late error
		While the book lift tray was being lowered, the book lift tray HP sensor did not go on after 1.5 sec. had elapsed.
		Book lift tray motor defective, Book lift tray HP sensor defective, disconnect, overload, Book jam, bundle drop
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book lift tray motor. • Replace the book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-70	D	Perfect Binder: Book lift tray motor rotation error
		No encoder lock input received within 50 ms during operation.
		<ul style="list-style-type: none"> • Book lift tray motor defective, • Book lift tray encoder sensor defective, disconnect
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book lift tray motor. • Replace the Book lift tray encoder sensor • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-71	D	Perfect Binder: Book output tray HP sensor lag error
		<ul style="list-style-type: none"> • The book output tray HP sensor did not go OFF within 1 sec. after it went ON. • The book output tray HP sensor did not go OFF after enough time had elapsed for the tray to move more than 10 mm.
		Book output belt motor defective, Book output tray HP sensor defected, disconnect, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-72	D	Perfect Binder: Book out put tray HP sensor late error
		The book output tray HP sensor did not go ON within 3.5 sec. after it went OFF.
		Book output belt motor defective, Book output tray HP sensor defected, disconnect, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-73	D	Perfect Binder: Blade cradle HP sensor lag error
		While the blade was retracting to the home position, the blade cradle sensor did not go OFF after enough time had elapsed for the blade to move 12 mm.
		Blade cradle motor defective, Blade cradle sensor defective, disconnect, overload
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-74	D	Perfect Binder: Blade cradle HP sensor late error
		While the bladed was being lowered, the blade cradle HP sensor did not go ON after enough time had elapsed for 21 mm of movement.
		Blade cradle motor defective, the blade cradle HP sensor defective, disconnect, overload, blade cradle or cutter physically jammed by obstacle
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Remove the blade and the edge press plate.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-75	D	Perfect Binder: Book door lock error
		The book door sensor was detected OFF with the book door locked.
		Book door lock solenoid defective, Book door sensor defective, disconnect
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book door lock solenoid. • Replace the book door sensor. • Replace the cutter control board. • Replace the SOL harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-76	D	Perfect Binder: Glue heater error
		The glue heater thermistor registered more that 200 degrees for more than 1 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-77	D	Perfect Binder: Electrical short in the gluing unit
		A temperature of less than 5 degrees was detected for 1 sec. or more than 10 sec. after power on.) However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-78	D	Perfect Binder: Glue heater startup error 1
		Glue temperature thermistor did not detect a temperature of 140 degrees within 200 sec. after it detected a temperature over 50 degrees.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-79	D	Perfect Binder: Low temperature detection error
		After adjustment of the glue temperature, the glue temperature thermistor detected a temperature lower than 135 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-80	D	Perfect Binder: High temperature error
		Thermistor detected abnormal high temperature.
		<ul style="list-style-type: none"> • Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-81	D	Perfect Binder: Thermostat error
		Abnormal thermostat detection.
		<ul style="list-style-type: none"> • Thermostat defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-82	D	Perfect Binder: Glue level thermistor error 1
		After glue warm-up completed, the glue level thermistor detected a temperature of over 170 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue level thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-83	D	Perfect Binder: Glue level thermistor error 2
		After glue warm-up completed, the glue level thermistor detected a temperature less than 100 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue level thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-84	D	Perfect Binder: Thermistor disconnect error
		The glue abnormal temperature thermistor detected a temperature of less than 5 degrees for 1 sec., or more than 10 sec. after power on. However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		<ul style="list-style-type: none"> • Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-85	D	Perfect Binder: Glue level thermistor disconnect error
		The AD value of the glue level thermistor was above 991 LSB for 10 sec. Temperature adjustment mode stops if glue level sensor detects the temperature remaining below 99 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue level thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-86	D	Perfect Binder: Internal temperature thermostat error
		The A/D value of the internal temperature thermostat was detected above 80 degrees for 1 sec.
		Internal temperature thermistor defective, Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-87	D	Perfect Binder: Internal temperature thermostat disconnect error
		The A/D value of the internal temperature thermostat was detected below -20 degrees for 1 sec.
		Internal temperature thermistor defective, Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-88	D	Perfect Binder: Internal temperature thermostat error
		Temperature was detected above 10C three consecutive times (sampled every sec. for 1 min.).
		Internal temperature thermistor defective, Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC750-89	D	Perfect Binder: Glue heater startup error 2
		The warm-up temperature was above the $\pm 5^{\circ}\text{C}$ target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		<ul style="list-style-type: none"> • Internal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-10	D	Glue heater startup error 3
		The warm-up temperature was below the $\pm 5^{\circ}\text{C}$ target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		<ul style="list-style-type: none"> • Internal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the theristor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-11	D	Perfect Binder: Glue heater startup error 4
		At the end of temperature adjustment at power on, warm-up did not complete within 500 sec. The glue vat temperature did not reach the warm-up temperature within 500 sec.
		<ul style="list-style-type: none"> • Glue heater connector loose, broken, defective • Heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit. • Replace the slave board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-12	D	Perfect Binder: Ambient temperature error
		Ambient temperature is not within the operational range: It was between 0°C and -20°C.
		<ul style="list-style-type: none"> • Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Check the room temperature (0°C or higher). • Replace the internal temperature thermistor. • Replace the slave board. • Replace the theristor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-13	D	Perfect Binder: Glue low limit late error
		The level of the glue in the vat was detected below the low limit 4 times.
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-14	D	Perfect Binder: Glue high limit late error
		Without glue application, and with the glue level above the low limit, the glue level thermistor did not detect the the level of the glue at the high limit, even after 12 glue pellets were supplied.
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-15	D	Perfect Binder: Glue lowering level error
		Without glue supply, the level of the glue detected by the glue lever thermistor did not lower away from the high limit level, even after application of 25.42 g.
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board defective • Glue application defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Adjust the amount of glue application. • Replace the gluing unit. • Replace the slave board. • Check the gluing unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-16		Perfect Binder: Glue level thermistor adjustment value error
		<ul style="list-style-type: none"> • Temperature detected by glue level thermistor out of range, 128°C \pm 14°C for low limit. • Temperature detected by glue level thermistor out of range, 142°C \pm 10°C for high limit. • The glue level thermistor adjustment value for low limit is larger than the high level. • Glue level thermistor target value is 5°C off the values of the low and high limit.
		<ul style="list-style-type: none"> • Master control board EEPROM defective • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board disconnected, defective
<ul style="list-style-type: none"> • Reconnect the connector. • Re-set the value for glue level thermistor. • Replace the gluing unit. • Replace the master control board EEPROM • Replace the slave board. • Replace the master control board. 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-17	D	Perfect Binder: Timing sensor adjustment high value error
		The timing sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after timing sensor D/A output value was higher than 3.5V.
		<ul style="list-style-type: none"> • Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the timing sensor. • Replace the master control board • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-18	D	Perfect Binder: Cover registration sensor adjustment high value error
		The cover registration sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after cover registration sensor output value output was higher than 3.5V.
		<ul style="list-style-type: none"> • Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the cover registration sensor. • Replace the master control board • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-19	D	Perfect Binder: Cover horizontal registration sensor (S) adjustment high value error
		The cover horizontal registration sensor (S) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor (S) D/A output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-20	D	Perfect Binder: Cover horizontal registration sensor (L) adjustment high value error
		The cover horizontal registration sensor (L) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover horizontal registration sensor (L) D/A output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the Cover horizontal registration sensor (L) • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-21	D	Perfect Binder: Signature exit sensor adjustment high value error
		The signature exit sensor A/D input value was lower than 3.2 to 3.54V, the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-22	D	Perfect Binder: LE detect sensor adjustment high value error
		The leading edge detect sensor A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor A/D output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-23	D	Perfect Binder: Entrance path sensor adjustment high value error
		When the entrance path sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		<ul style="list-style-type: none"> Entrance path sensor connector loose, broken, defective Sensor defective Cutter control board disconnected, defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the entrance path sensor. Replace the cutter control board. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-24	D	Perfect Binder: Book registration sensor adjustment high value error
		When the book registration sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		<ul style="list-style-type: none"> Book registration sensor connector loose, broken, defective Cutter control board disconnected, defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the book registration sensor. Replace the cutter control board. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-25	D	Perfect Binder: Timing sensor adjustment low value error
		The timing sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after timing sensor D/A output value was lower than 0.1V.
		<ul style="list-style-type: none"> • Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the timing sensor. • Replace the cutter control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-26	D	Perfect Binder: Cover registration sensor adjustment low value error
		The cover registration sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after cover registration sensor D/A output value output was lowered 0.1V.
		<ul style="list-style-type: none"> • Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-27	D	Perfect Binder: Cover horizontal registration sensor (S) adjustment low value error
		The cover horizontal registration sensor (S) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-28	D	Perfect Binder: Cover horizontal registration sensor (L) adjustment low value error
		The cover horizontal registration sensor (L) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover horizontal registration sensor (L). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-29	D	Perfect Binder: Signature exit sensor adjustment low value error
		The signature exit sensor A/D input value was higher than 3.2 to 3.54V, the A/D input value did not enter the range 3.2 to 3.54V, even after cover registration sensor output value output was lowered 0.04V.
		<ul style="list-style-type: none"> • Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-30	D	Perfect Binder: LE detect sensor adjustment low value error
		The LE detect sensor A/D input value was higher than 3.2 to 3.54V, and the sensor A/D input value did not enter the range 3.2 to 3.54V, even after the sensor output value was raised 0.04V.
		<ul style="list-style-type: none"> • LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-31	D	Perfect Binder: Entrance path sensor adjustment low value error
		When the entrance path sensor was adjusted, the sensor A/D input was higher than 2.58 V, even after the sensor D/A output was lowered to 0V.
		<ul style="list-style-type: none"> • Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-32	D	Perfect Binder: Book registration sensor adjustment low value error
		When the book registration sensor was adjusted, the sensor A/D input was more than 2.58 V, even after the sensor D/A output was less than 0V.
		<ul style="list-style-type: none"> • Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-33	D	Perfect Binder: LE detect sensor late error
		The stack was late for gluing to the cover because there was no stack transport end sensor from the slave control board and there was no signal that the LE detect sensor had signaled to arrival of the stack.
		LE detect sensor connector loose, broken, defective <ul style="list-style-type: none"> • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the cutter control board • Replace the motor harness. • Replace the sensor harness. • Replace the harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-34	D	Perfect Binder: Trim unit entrance sensor late error
		The stack was late arriving because the trim unit entrance sensor did not go ON even after a transport end signal was received.
		<ul style="list-style-type: none"> • Trim unit entrance sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the entrance path sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-35	D	Perfect Binder: Book registration sensor late error
		At the start of cutter registration, the book registration did not go ON. The stack could not be detected for fore edge cutting.
		<ul style="list-style-type: none"> • Book registration sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-36	D	Perfect Binder: Signature exit sensor lag error
		When the power was turned on, the cover path was closed and the signature exit sensor detected paper present, but the LE detect sensor had detected no paper present.
		<ul style="list-style-type: none"> • Signature exit sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-37	D	Perfect Binder: Entrance path sensor late error
		During the automatic exit operation, the entrance path sensor could not detect any paper within 6860 ms after gluing and stack transport started.
		<ul style="list-style-type: none"> Entrance path sensor connector loose, broken, defective Sensor defective Stack transport roller defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the signature exit roller motor. Replace the entrance path sensor. Replace the slave control board. Replace the motor harness. Replace the sensor harness. Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-38	D	Perfect Binder: Main grip late error
		There was no stack received from the sub grip unit; the main grip signature sensor detected no stack.
		<ul style="list-style-type: none"> Main grip signature sensor connector loose, broken, defective Sensor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the signature movement motor. Replace the main grip signature sensor. Replace the slave control board. Replace the motor harness. Replace the sensor harness. Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-39	D	Perfect Binder: Trim unit entrance sensor lag error
		<ul style="list-style-type: none"> At the end of initialization at power on, the entrance path sensor went ON. At the end of automatic exit, the entrance path sensor went ON.
		<ul style="list-style-type: none"> Trim unit entrance sensor connector, loose, broken, defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the entrance path sensor. Replace the cutter control board. Replace the sensor harness. Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-40	D	Perfect Binder: Book registration sensor lag error
		Book registration sensor: <ul style="list-style-type: none"> Detected ON at the end of initialization after power on. Detected ON at the end of automatic exit operation. Detected ON at the end of book binding and automatic exit. Could detect no stack at fore edge cutting. Detected ON at end of grip operation during book binding.
		<ul style="list-style-type: none"> Book registration sensor connector loose, broken, defective Sensor defective at the lift tray
		<ul style="list-style-type: none"> Reconnect the connector. Replace the book registration sensor. Replace the cutter control board. Replace the sensor harness. Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-41	D	Perfect Binder: Book arrival sensor lag error
		Not detected
		<ul style="list-style-type: none"> • Book arrival sensor connector loose, broken, defective • Sensor defective • Book failed to reach output tray • Fore edge trim scraps fell into output area
		<ul style="list-style-type: none"> • Not detected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-42	D	Perfect Binder: Trimming jam error
		<ul style="list-style-type: none"> • The edge press plate HP sensor remained OFF after disposing of the trimmed paper and the trimmings buffer was moved 19 mm to the right. • After the trimmings buffer door was opened and closed to check for paper scraps, the machine detected paper scrap jam 3 times (and issued the alarm after the 2nd detection). • There are scraps in the trimmings buffer and at the edge press plate
		<ul style="list-style-type: none"> • Edge press plate HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimming buffer motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-43	D	Perfect Binder: Sub grip unit lag error
		When the sub grip unit was checked for the presence of paper, no paper could be detected even after opening the sub grip unit.
		<ul style="list-style-type: none"> • Paper remains in the sub grip unit. • Sub grip paper sensor connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the sub grip paper sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-44	D	Perfect Binder: Main grip unit lag error
		<ul style="list-style-type: none"> • Although cutter retracted, the absence of paper could not be detected. • Paper remains in the main grip unit
		<ul style="list-style-type: none"> • Main grip signature sensor loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. • Replace the signature exit roller motor. • Replace the motor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-45	D	Perfect Binder: Signature thickness sensor minimum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the minimum value (0 mm) was smaller than the A/D value of -30.
		<ul style="list-style-type: none"> • Signature thickness sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-46	D	Perfect Binder: Signature thickness sensor maximum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the maximum value (25mm) was smaller than the A/D value.
		<ul style="list-style-type: none"> • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-47	D	Perfect Binder: Signature thickness sensor value unstable error
		The signature thickness reading did not change, even after the main grip unit opened and closed.
		<ul style="list-style-type: none"> • Signature thickness sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-48	D	Perfect Binder: Glue vat HP sensor late error
		<ul style="list-style-type: none"> • The glue vat HP sensor (rear) did not go ON when the glue vat roller motor initialized at power on and remained on for 4240 ms. • When the glue vat HP sensor (rear) moved from the HP to the front, the glue vat HP sensor was already OFF.
		<ul style="list-style-type: none"> • Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue vat roller motor. • Replace the glue vat HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-49	D	Perfect Binder: Glue vat HP sensor lag error
		The glue vat HP sensor did not go off when the glue vat moved to the front, even though the glue vat roller motor operated for 285 ms. The glue vat HP sensor was already ON when the glue vat moved from the front to the rear.
		<ul style="list-style-type: none"> • Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue vat roller motor. • Replace the glue vat HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-50	D	Perfect Binder: Glue vat roller motor error
		The glue vat roller rotation sensor could not detect rotation of the glue vat roller motor within 1200 ms of motor operation.
		<ul style="list-style-type: none"> • Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat roller rotation sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue vat roller motor. • Replace the glue vat roller rotation sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-51	D	Perfect Binder: Glue roller HP sensor late error
		During glue supply, the glue roller HP sensor did not go ON, even though the glue roller motor was operating for 1000 ms.
		<ul style="list-style-type: none"> • Glue supply motor connector loose, broken, defective • Motor defective • Glue pellets jammed • Glue roller HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Remove the cause of jam (glue pellets).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-52	D	Perfect Binder: Glue roller HP sensor lag error
		During glue supply, the glue roller HP sensor did not go OFF, even though the glue roller motor was operating for 2400 ms.
		<ul style="list-style-type: none"> • Glue supply motor connector loose, broken, defective • Motor defective • Glue pellets jammed • Glue roller HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Remove the cause of jam (glue pellets).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-53	D	Perfect Binder: Spine fold HP sensor (L) late error
		<ul style="list-style-type: none"> • The spine fold HP sensor (left) did not go ON during spine folding, even after the spine fold motor (left) was operating for 5805 ms (or enough time elapsed for the plate to travel 101.24 mm). • When the spine fold plate moved from the open to closed position, the spine fold HP sensor (left) was already OFF.
		<ul style="list-style-type: none"> • Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine fold HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-54	D	Perfect Binder: Spine fold HP sensor (L) lag error
		<ul style="list-style-type: none"> • The spine fold (left) HP sensor did not go OFF when the spine fold plate closed, even while the spine fold motor (left) was operating for 500 ms. • When the spine fold plate moved from the close to open position, the spine fold HP sensor (left) was already ON.
		<ul style="list-style-type: none"> • Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine fold HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-55	D	<p>Perfect Binder: Left spine fold plate close error</p> <p>In the operation of the left spine fold plate, the left spine close sensor did not go ON, even after the left spine fold plate motor was on for 5805 ms, equivalent to the plate moving 101.25 mm.</p> <p>When the spine fold plate moved from the closed to open position, the left spine close sensor was already OFF.</p> <ul style="list-style-type: none"> • Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine close sensor (L) connector loose, broken, defective • Sensor defective <ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-56	D	Perfect Binder: Left spine fold plate open error
		In the operation of the left spine fold plate, the left spine close sensor did not go OFFN, even after the left spine fold plate motor was on for 500 ms. When the spine fold plate moved from the open to closed position, the left spine close sensor was already ON.
		<ul style="list-style-type: none"> • Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine close sensor (L) connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-57	D	Perfect Binder: Spine fold HP sensor (L) error
		The spine fold HP sensor (L) and spine fold close sensor (L) went ON at the same time.
		<ul style="list-style-type: none"> • Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective • Spine close sensor (L) connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold HP sensor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-58	D	Perfect Binder: Spine fold HP sensor (R) error
		<ul style="list-style-type: none"> • The spine fold HP sensor (right) did not go ON during operation of the right fold plate, even after the spine fold motor (right) was operating for 3225 ms (or enough time elapsed for the plate to travel 56.25mm). • When the spine fold plate moved from the open to closed position, the spine fold HP sensor (right) was already OFF.
		<ul style="list-style-type: none"> • Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold HP sensor (R) connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (R). • Replace the Spine fold HP sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-59	D	Perfect Binder: Spine fold HP sensor (R) lag error
		<ul style="list-style-type: none"> • The spine fold (right) HP sensor did not go OFF when the spine fold plate closed, even while the spine fold motor (right) was operating for 500 ms. • When the spine fold plate moved from the closed to open position, the spine fold HP sensor (right) was already ON.
		<ul style="list-style-type: none"> • Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold HP sensor (R) connector loose, broken, defective.
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (R). • Replace the spine fold HP sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-60	D	Perfect Binder: Right spine fold plate close error
		<p>The spine fold press sensor (right) did not go ON when the right fold plate was closing, even after the spine fold motor (right) was operating for 3225 ms (or enough time elapsed for the plate to travel 56.25mm).</p> <p>When the spine fold plate moved from the closed to open position, the spine fold press sensor (right) was already OFF.</p>
		<ul style="list-style-type: none"> • Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold press sensor (R) connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine fold motor (R). • Replace the spine fold press sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-61	D	Perfect Binder: Right spine fold plate open error
		<ul style="list-style-type: none"> The spine fold press sensor (right) did not go OFF when the spine fold plate closed, even while the spine fold motor (right) was operating for 500 ms. When the spine fold plate moved from the open to open position, the spine fold press sensor (right) was already ON.
		<ul style="list-style-type: none"> Spine fold motor (R) connector loose, broken, defective Motor defective Spine fold press sensor (R) connector loose, broken, defective Sensor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the spine fold motor (R). Replace the spine fold press sensor (R). Replace the slave control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-62	D	Perfect Binder: Spine fold HP sensor (R) error
		The spine fold HP sensor (R) and spine fold press sensor (R) went ON at the same time.
		<ul style="list-style-type: none"> Spine fold HP sensor (R) connector loose, broken, defective Sensor defective Spine fold press sensor (R) connector loose, broken, defective Sensor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the spine fold HP sensor (R). Replace the spine fold press sensor (R). Replace the slave control board. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-63	D	Perfect Binder: Spine fold plate open position late error
		At the start of the spine fold operation, the spine plate open sensor did not go ON, even after the spine plate motor operated for 900 ms (93.75 mm of feed).
		<ul style="list-style-type: none"> • Spine plate motor connector loose, broken, defective • Motor defective • Spine open sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine plate motor. • Replace the spine open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-64	D	Perfect Binder: Spine fold plate open position lag error
		At the start of the spine fold operation, the spine plate open sensor did not go OFF, even after the spine plate motor operated for 1350 ms (93.75 mm of feed).
		<ul style="list-style-type: none"> • Spine plate motor connector loose, broken, defective • Motor defective • Spine open sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine plate motor. • Replace the spine open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-65	D	Perfect Binder: Spine fold plate close position late error
		At the start of the spine fold operation, the spine plate close sensor did not go ON, even after the spine plate motor operated for 2250 ms (93.75 mm of feed).
		<ul style="list-style-type: none"> • Spine plate motor connector loose, broken, defective • Motor defective • Spine close sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine plate motor. • Replace the spine close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-66	D	Perfect Binder: Spine fold plate close position lag error
		At the start of the spine fold operation, the spine plate close sensor did not go OFF, even after the spine plate motor operated for 505 ms.
		<ul style="list-style-type: none"> • Spine plate motor connector loose, broken, defective • Motor defective • Spine close sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the spine plate motor. • Replace the spine close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-67	D	Perfect Binder: Front door lock error
		The front door lock release sensor did not go off, even though the door was locked.
		<ul style="list-style-type: none"> • Front door lock solenoid defective • Front door lock release sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door lock solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the SOL harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-68	D	Perfect Binder: Front door lock release error
		The front door lock release sensor did not go ON, even though the door was unlocked.
		<ul style="list-style-type: none"> • Front door lock solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door lock solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the SOL harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-69	D	Perfect Binder: Front door force open error
		The front door was detected open, even though it was locked.
		<ul style="list-style-type: none"> • Front door switch defective • Front door solenoid defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door lock solenoid. • Replace the foront door switch. • Replace the master control board. • Replace the SOL harness. • Replace the SW harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-70	D	Perfect Binder: Switchback flapper HP sensor late error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go ON, even though the switchback flapper motor operated long enough for lifting through an arc of 50 degrees.
		<ul style="list-style-type: none"> • Switchback flapper HP sensor defective • Switchback flapper motor defective
		<ul style="list-style-type: none"> • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-71	D	Perfect Binder: Switchback flapper HP sensor lag error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go OFF, even though the switchback flapper motor operated long enough for lowering through an arc of 150 degrees.
		<ul style="list-style-type: none"> • Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-72	D	Perfect Binder: TE press lever HP sensor late error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go ON, even though the TE press lever motor operated long enough to move the lever through and arc of 30 degrees.
		<ul style="list-style-type: none"> • TE press lever sensor defective • TE press lever motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-73	D	Perfect Binder: TE press lever HP sensor lag error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go OFF, even though the TE press lever motor operated long enough to move the lever through and arc of 20 degrees.
		<ul style="list-style-type: none"> • TE press lever sensor defective • TE press lever motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-74	D	Perfect Binder: Jog fence front HP sensor late error
		The front jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front HP sensor defective • Jog fence front motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-75	D	Perfect Binder: Jog fence front HP sensor lag jam
		While small-size paper was being jogged, the jog fence front HP sensor did not go OFF after the front jog fence motor operated long enough for 40 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-76	D	Perfect Binder: Jog fence large HP sensor late error
		While large-size paper was being jogged, the front jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.
		<ul style="list-style-type: none"> • Jog fence front large HP sensor defective • Front jog fence motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the Jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-77	D	Perfect Binder: Jog fence front large HP sensor lag error
		While large-size paper was being jogged, the jog fence front large HP sensor did not go OFF after the front jog fence motor operated long enough for 20 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the Jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-78	D	Perfect Binder: Jog fence front HP sensor late error
		While jogging small-size paper, the right jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		<ul style="list-style-type: none"> • Jog fence right HP sensor defective • Jog fence right motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-79	D	Perfect Binder: Jog fence right HP sensor lag jam
		While small-size paper was being jogged, the jog fence right HP sensor did not go OFF after the right jog fence motor operated long enough for 40 mm of feed.
		<ul style="list-style-type: none"> • Jog fence right HP sensor defective • Jog fence right motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-80	D	Perfect Binder: Jog fence right large HP sensor late error
		While large-size paper was being jogged, the right jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.
		<ul style="list-style-type: none"> • Jog fence right large HP sensor defective • Jog fence right motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-81	D	Perfect Binder: Jog fence right large HP sensor lag error
		While large-size paper was being jogged, the jog fence right large HP sensor did not go OFF after the right jog fence motor operated long enough for 20 mm of feed.
		<ul style="list-style-type: none"> • Jog fence right large HP sensor defective • Jog fence right motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-82	D	Perfect Binder: Switchback roller HP sensor late error
		During the switchback roller lift operation, the switchback roller HP sensor did not go ON, even though the switchback roller lift motor operated long enough for lifting through an arc of 40 degrees.
		<ul style="list-style-type: none"> • Switchback roller HP sensor defective • Switchback lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-83	D	Perfect Binder: Switchback roller HP sensor lag error
		During the switchback roller lowering, the switchback roller HP sensor did not go OFF, even though the switchback roller lift motor operated long enough for lowering through an arc of 40 degrees.
		<ul style="list-style-type: none"> • Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-84	D	Perfect Binder: Stacking tray lower limit late error
		When the stacking tray was lowered, the tray lower limit sensor did not go ON after the stacking tray lift motor had operated long enough for 90 mm of lift.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stacking tray lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-85	D	Perfect Binder: Stacking tray low limit lag error
		When the stacking tray was raised, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 30mm of lift.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-86	D	Perfect Binder: Paper detect sensor (front) detection error
		When the stacking tray was raised, the paper detect sensor (front) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 30 mm of lift.
		<ul style="list-style-type: none"> • Paper detect sensor (front) defective • Stacking tray lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-87	D	Perfect Binder: Paper detect sensor (front) no paper detection error
		When the stacking tray was lowered, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		<ul style="list-style-type: none"> • Paper detect sensor (front) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-88	D	Perfect Binder: Paper detect sensor (rear) paper detection error
		When the stacking tray was raised, the paper detect sensor (rear) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 40 mm of lift.
		<ul style="list-style-type: none"> • Paper detect sensor (rear) defective • Stacking tray lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC751-89	D	Perfect Binder: Paper detect sensor (rear) no paper detection error
		When the stacking tray was lowered, the paper detect sensor (rear) did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		<ul style="list-style-type: none"> • Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-10	D	Perfect Binder: Stack overflow sensor detection late error
		When the stacking tray was raised, the stack overflow sensor did not go OFF after the stacking tray lift motor had operated long enough for 70mm lowering.
		<ul style="list-style-type: none"> • Stack overflow sensor defective • Stacking tray lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-11	D	Perfect Binder: Stacking tray low limit sensor error 1
		The stacking tray low limit sensor and the stack overflow sensor went ON at the same time.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stack overflow sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-12	D	Perfect Binder: Stack overflow sensor detection position late error
		When the tray was lowered to allow removal of the booklets, the stack overflow sensor did not go OFF, even after the stacking tray lift motor had operated long enough for 40mm of lift.
		<ul style="list-style-type: none"> • Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-13	D	Perfect Binder: Stacking tray low limit sensor error 2
		When the stacking tray was lifted, the stack overflow sensor did not go OFF, even though the either (or both) the paper detect sensor (front) or the paper detect sensor (rear) were on while the stacking tray empty sensor was OFF.
		<ul style="list-style-type: none"> • Tray empty sensor defective • Paper detect sensors (front, rear, or both) defective • Stack overflow sensor defective • Tray lift motor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the tray empty sensor. • Replace the paper detect sensors (front). • Replace the paper detect sensors (rear). • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-14	D	Perfect Binder: Stack tray HP sensor late error
		When the tray moved to the home position, the HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		<ul style="list-style-type: none"> • Stack tray HP sensor defective • Stacking tray lift motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-15	D	Perfect Binder: Stack tray HP sensor lag error
		When the tray moved from the home position, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		<ul style="list-style-type: none"> Stack tray HP sensor defective Stacking tray motor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the stacking tray lift motor. Replace the stack tray HP sensor. Replace the master control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-16	D	Perfect Binder: Stack weight move HP sensor late error
		When the tray moved to the home position, the stack weight move HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		<ul style="list-style-type: none"> Stack weight HP sensor defective Stack weight motor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the stack weight motor. Replace the stack weight HP sensor defective. Replace the master control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-17	D	Perfect Binder: Stack weight HP sensor lag error
		During movement away from the HP sensor, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		<ul style="list-style-type: none"> Stack weight HP sensor defective Stack weight motor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the stack weight motor. Replace the stack weight HP sensor defective. Replace the master control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-18	D	Perfect Binder: Cover guide HP sensor (left) late error
		During movement toward the HP sensor of the left cover path, the cover guide HP sensor (left) did not go ON after the cover guide motor (left) had operated long enough for 3000 ms of movement.
		<ul style="list-style-type: none"> Cover guide (left) HP sensor defective Cover guide motor (left) defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the cover guide motor (left). Replace the cover guide (left) HP sensor. Replace the master control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-19	D	Perfect Binder: Cover guide (left) HP sensor error
		The cover guide HP sensor (left) and cover guide (left) open sensor went ON at the same time.
		<ul style="list-style-type: none"> • Cover guide HP sensor (L) defective • Cover guide open sensor (left) • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover guide HP sensor (L). • Replace the cover guide open sensor (left). • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-20	D	Perfect Binder: Left cover guide release position late error
		During movement toward the left cover guide open position, the cover guide open sensor (left) did not go ON after the cover guide motor (left) had operated long enough for 3000 ms of movement.
		<ul style="list-style-type: none"> • Cover guide (left) open sensor defective • Cover guide motor (left) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover guide motor (left). • Replace the Cover guide (left) open sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-21	D	Perfect Binder: Cover guide (right) HP sensor late error
		During movement toward the HP sensor of the right cover path, the cover guide HP sensor (right) did not go ON after the cover guide motor (right) had operated long enough for 3000 ms of movement.
		<ul style="list-style-type: none"> • Cover guide (right) HP sensor defective • Cover guide motor (right) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover guide motor (right). • Replace the cover guide (right) HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-22	D	Perfect Binder: Cover guide (right) sensor error
		The cover guide HP sensor (right) and cover guide (right) open sensor went ON at the same time.
		<ul style="list-style-type: none"> • Cover guide HP sensor (R) defective • Cover guide open sensor (right) • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover guide (right) HP sensor. • Replace the cover guide open sensor (right). • Replace the master control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-23	D	Perfect Binder: Right cover guide release position late error
		During movement toward the right cover guide open position, the cover guide open sensor (right) did not go ON after the cover guide motor (right) had operated long enough for 3000 ms of movement.
		<ul style="list-style-type: none"> • Cover guide (right) HP sensor defective • Cover guide motor (right) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover guide motor (right). • Replace the cover guide open sensor (right). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-24	D	Perfect Binder: Registration unit HP late error
		When the cover registration unit moved toward the home position, the cover horizontal registration sensor did not go ON, even after the cover horizontal registration motor had operated for 975 ms.
		<ul style="list-style-type: none"> • Cover horizontal registration motor defective • Cover registration HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover horizontal registration motor. • Replace the cover registration HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-25	D	Perfect Binder: Registration HP sensor lag error
		During operation of the cover registration unit , the cover horizontal registration HP sensor did not go OFF, even after the cover horizontal registration motor had operated for 975 ms.
		<ul style="list-style-type: none"> • Cover horizontal registration motor defective • Registration HP sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover horizontal registration motor. • Replace the registration HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-26	D	Perfect Binder: Sub grip HP sensor late error
		During the sub grip lift operation, the sub grip upper HP sensor did not go ON, even though the sub grip lift motor had operated for 4110 ms.
		<ul style="list-style-type: none"> • Sub grip lift motor defective • Sub grip upper HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip lift motor. • Replace the sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-27	D	Perfect Binder: Sub grip HP sensor lag error
		During sub grip lowering, the sub grip lower HP sensor did not go OFF, even though the sub grip lift motor had operated for 240 ms.
		<ul style="list-style-type: none"> • Sub grip lift motor defective • Sub grip lower HP sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip lift motor. • Replace the sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-28	D	Perfect Binder: Sub grip size HP sensor late error
		<ul style="list-style-type: none"> • When the sub grip unit opened horizontally, the size move HP sensor did not go ON, even after the size move motor had operated for 726 ms, or operated long enough for 108.75 mm of movement. • After the sub grip unit moved to the horizontal release position, the sub grip size HP sensor was already OFF.
		<ul style="list-style-type: none"> • Sub grip size motor defective • Sub grip size HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor defective. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-29	D	Perfect Binder: Sub grip size HP sensor lag error
		<ul style="list-style-type: none"> When the sub grip unit closed horizontally, the size move HP sensor did not go OFF, even after the size move motor had operated for 500 ms, or operated long enough for 108.75 mm of movement. After the sub grip unit moved from the horizontal close position to the open position, the size shift HP sensor was already ON.
		<ul style="list-style-type: none"> Sub grip size motor defective Sub grip size HP sensor defective Harness connector, loose, broken, defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the sub grip size motor. Replace the sub grip size HP sensor defective. Replace the slave control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-30	D	Perfect Binder: Sub grip open position late error
		At the start of the sub grip open operation, the SG open sensor did not go ON, even after the SG motor had operated for 1500 ms.
		<ul style="list-style-type: none"> SG motor drive board defective SG open sensor defective
		<ul style="list-style-type: none"> Replace the SG motor. Replace the SG open sensor. Replace the slave control board. Replace the motor harness. Replace the sensor harness. Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-31	D	Perfect Binder: Sub grip open position lag error
		At the start of the sub grip close operation, the SG open sensor did not go OFFN, even after the SG motor had operated for 500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG open sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-32	D	Perfect Binder: Sub grip close position late error
		At the start of the sub grip close operation, the SG close sensor did not go ON, even after the SG motor had operated for 1500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG close sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-33	D	Perfect Binder: Sub grip close position lag error
		At the start of the sub grip open operation, the SG close sensor did not go OFF, even after the SG motor had operated for 500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG close sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-34	D	Perfect Binder: Sub grip sensor error
		The SG open sensor and SG close sensor went ON at the same time.
		<ul style="list-style-type: none"> • SG open sensor defective • SG close sensor defective • Harness connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG open sensor. • Replace the SG close sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-35	D	Perfect Binder: Sub grip HP late error
		While moving to the sub grip home position, the sub grip HP sensor did not go ON, even though the sub grip motor had operated for 3000 ms.
		<ul style="list-style-type: none"> • Sub grip motor defective • Sub grip HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature movement motor. • Replace the signature movement HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-36	D	Perfect Binder: Sub grip HP position lag error
		While passing the signature, the sub grip HP sensor did not go OFF, even though the sub grip motor had operated for 500 ms.
		<ul style="list-style-type: none"> • Sub grip motor defective • Sub grip HP sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature movement motor. • Replace the signature movement HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-37	D	Perfect Binder: Signature move main grip position late error
		While sub grip was passing the signature, the signature move MG position sensor did not go ON, even though the signature move motor had operated for 3000 ms. At the timing of the movement of the signature from sub grip to main grip, the signature was still gripped by the main grip at the rotation HP sensor.
		<ul style="list-style-type: none"> • Signature movement motor defective • Signature MG position sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature movement motor. • Replace the signature MG position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-38	D	Perfect Binder: Signature move main grip position lag error
		While moving to the sub grip home position, the signature MG position sensor did not go OFF, even though the signature move motor had operated for 500 ms.
		<ul style="list-style-type: none"> • Signature move motor defective • Signature MG position HP sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature move motor. • Replace the signature MG position HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-39	D	Perfect Binder: Main grip rotate enable position sensor late error
		While moving to the sub grip home position, the MG rotate enable sensor did not go ON, even though the signature move motor had operated for 2475 ms.
		<ul style="list-style-type: none"> • Signature move motor defective • MG rotate enable sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature move motor. • Replace the MG rotate enable sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-40	D	Perfect Binder: Main grip rotate enable position sensor lag error
		While passing the signature, the MG rotate enable sensor did not go OFF, even though the signature move motor had operated for 1450 ms.
		<ul style="list-style-type: none"> • Signature move motor defective • MG rotate enable sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature move motor. • Replace the MG rotate enable sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-41	D	Perfect Binder: Signature move HP sensor defective
		The signature move HP sensor and signature move MG position sensor went on at the same time.
		<ul style="list-style-type: none"> • Signature move HP sensor defective • Signature MG position HP sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature move HP sensor. • Replace the signature MG position HP sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-42	D	Perfect Binder: Main grip HP sensor late error
		<ul style="list-style-type: none"> • During main grip lift, the MG HP sensor did not go ON, even though the main grip lift motor had operated for 6185 ms. • MG HP sensor did not go OFF when the main grip moved from up position to down position.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-43	D	Perfect Binder: Main grip HP sensor lag error
		<ul style="list-style-type: none"> • During main grip lowering, the MG HP sensor did not go OFF, even though the main grip lift motor had operated for 1455 ms. • MG HP sensor did not go ON when the main grip moved from down position to up position.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-44	D	Perfect Binder: Main grip press sensors(S) position late error
		When lifting from main grip signature registration position, MG press sensor did not go ON, even though the MG lift motor had operated for 95 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor(S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-45	D	Perfect Binder: Main grip press sensor (S) position lag error
		When lowering to main grip signature registration position, MG press sensor (S) did not go OFF, even though the MG lift motor had operated for 5640 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (S) defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-46	D	Perfect Binder: Main grip press sensor (L) position late error
		When lowering cover in main grip to press position, MG press sensor (L) did not go ON, even though the MG lift motor had operated for 6185 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (L) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-47	D	Perfect Binder: Main grip press sensor (L) position lag error
		When raising cover in main grip from press position, MG press sensor (L) did not go OFF, even though the MG lift motor had operated for 95 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-48	D	Perfect Binder: Signature exit sensor late error
		When signature was passed from main grip to signature exit roller, signature exit sensor did not go ON after MG lift motor moved to signature turnover position.
		<ul style="list-style-type: none"> • MG lift motor defective • Signature exit sensor defective • Signature out of position, snagged on main grip
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the signature exit sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-49	D	Perfect Binder: Main grip HP sensor (L) late error
		During main grip lift, the MG HP sensor (L) did not go ON, even though the main grip lift motor had operated for 6185 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor (L) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-50	D	Perfect Binder: Main grip HP sensor (L) lag error
		During main grip lowering, the MG HP sensor (L) did not go OFF, even though the main grip lift motor had operated for 1455 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-51	D	Perfect Binder: Main grip rotate HP sensor late error
		<ul style="list-style-type: none"> When rotating signature to main grip turnover position, MG rotate HP sensor did not go ON, even though the MG rotate motor had operated for 2250 ms. There is paper present at some location other than the sub grip HP sensor, and no paper at the MG rotate HP sensor of the main grip.
		<ul style="list-style-type: none"> MG rotate motor defective MG rotate HP sensor defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the MG rotate motor. Replace the MG rotate HP sensor. Replace the slave control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-52	D	Perfect Binder: Main grip rotate HP sensor lag error
		When rotating signature to main grip binding position, the MG rotate HP sensor did not go OFF, even though the MG rotate motor had operated for 500 ms.
		<ul style="list-style-type: none"> MG rotate motor defective MG rotate HP sensor defective Connector harness loose, broken, defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the MG rotate motor. Replace the MG rotate HP sensor. Replace the slave control board. Replace the motor harness. Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-53	D	Main grip rotate-to-binding position late error
		When rotating signature to main grip binding position, the MG rotate-to-binding position sensor did not go ON, even though the MG rotate motor had operated for 2250 ms.
		<ul style="list-style-type: none"> • MG rotate motor defective • MG rotate-to-binding position sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-54	D	Main grip rotate-to-binding position lag error
		When rotating signature to main grip turnover position, MG rotate-to-binding position sensor did not go OFF, even though the MG rotate motor had operated for 500 ms.
		<ul style="list-style-type: none"> • MG rotate motor defective • MG rotate-to-binding position sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-55	D	Perfect Binder: Main grip rotate sensor error
		The MG rotate HP sensor and MG rotate-to-binding position sensor went on at the same time.
		<ul style="list-style-type: none"> • MG rotate HP sensor defective • MG rotate-to-binding position sensor defective • Connector harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-56	D	Perfect Binder: Main grip open sensor (R) late error
		At the start of the main grip open operation, the MG open sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • MG open sensor (R) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the MG open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-57	D	Perfect Binder: Main grip open sensor (R) lag error
		At the start of the main grip close operation, the MG open sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip open sensor (R) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the MG open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-58	D	Perfect Binder: Main grip close sensor (R) late error
		At the start of the main grip close operation, the MG clsoe sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • MG close sensor (R) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the MG close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-59	D	Perfect Binder: Main grip close sensor (R) lag error
		At the start of the main grip close operation, the MG close sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the MG close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-60	D	Perfect Binder: Main grip motor (R) rotation error
		At the start of the main grip open operation, the MG encoder sensor (R) was not detected on/off, even after the MG motor (R) had operated for 200 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip encoder sensor (R) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-61	D	Perfect Binder: Main grip (R) sensor error
		The MG open sensor (R) and MG close sensor (R) went ON at the same time.
		<ul style="list-style-type: none"> • Main open sensor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG open sensor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-62	D	Perfect Binder: Main grip open sensor (F) late error
		At the start of the main grip open operation, the MG open sensor (F) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (F) defective • MG open sensor (F) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-63	D	Perfect Binder: Main grip open sensor (F) lag error
		At the start of the main grip close operation, the MG open sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG open sensor (F) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-64	D	Perfect Binder: Main grip close sensor (F) late error
		At the start of the main grip open operation, the MG clsoe sensor (F) did not go ON, even after the MG motor (F) had operated for 3000 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG close sensor (F) defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-65	D	Perfect Binder: Main grip close sensor (F) lag error
		At the start of the main grip open operation, the MG close sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-66	D	Perfect Binder: Main grip motor (F) rotation error
		At the start of the main grip open/close operation, the MG encoder sensor (F) was not detected on/off, even after the MG motor (F) had operated for 200 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG encoder sensor (F) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-67	D	Perfect Binder: Main grip (F) sensor error
		The MG open sensor (F) and MG close sensor (F) went ON at the same time.
		<ul style="list-style-type: none"> • MG open sensor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG open sensor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-68	D	Perfect Binder: Signature exit path HP sensor late error
		During signature output roller separation, the signature exit path sensor did not go ON, even after the signature exit path motor was ON for 750 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-69	D	Perfect Binder: Signature exit path HP sensor lag error
		During signature exit roller nip operation, the signature exit path sensor did not go OFF, even after the signature exit path motor was OFF for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-70	D	Perfect Binder: Signature path exit press sensor late error
		During signature exit roller nip operation, the signature exit path exit press sensor did not go ON, even after the signature exit path motor operated for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit press sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-71	D	Perfect Binder: Signature path exit press sensor lag error
		During signature output roller separation, the signature exit path press sensor did not go OFF, even after the signature exit path motor was ON for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-72	D	Perfect Binder: Leading edge sensor late error
		When signature exited at signature path exit roller, the leading edge sensor did not go ON, even after the signature exit roller motor operated long enough to feed the book 45 mm.
		<ul style="list-style-type: none"> • Signature exit roller motor defective • Leading edge sensor defection • Signature jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the leading edge sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-73	D	Perfect Binder: Cover interposer tray read error
		At power on the data on the EEPROM returned a checksum error when the data were read.
		<ul style="list-style-type: none"> • EEPROM defective
		<ul style="list-style-type: none"> • Replace the EEPROM on the inserter control board. • Replace the inserter control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-74	D	Perfect Binder: Cover interposer tray EEPROM write error
		When data were written to EEPROM, the write data and read data did not match.
		<ul style="list-style-type: none"> • EEPROM defective • EEPROM not installed, not installed correctly
		<ul style="list-style-type: none"> • Replace the EEPROM on the inserter control board. • Replace the inserter control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-75	D	Perfect Binder: Drive switch motor error (down to up)
		The rack where the drive gear is mounted did not retract from the drive switch sensor after the drive switch motor operated for 3 s.
		<ul style="list-style-type: none"> • Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-76	D	Perfect Binder: Drive switch motor error (up to down) error
		The rack where the drive gear is mounted was late arriving at the drive switch sensor after the drive switch motor operated for 3 s.
		<ul style="list-style-type: none"> • Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-77	D	Perfect Binder: Upper tray low position late error
		The upper tray did not leave the lower limit sensor after the upper tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Upper tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray low limit sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-78	D	Perfect Binder: Upper tray feed position late error
		The upper tray did not arrive at the PICK sensor after the upper tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Upper tray lift motor defective • Upper tray PICK sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray PICK sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-79	D	Perfect Binder: Lower tray low position lag error
		The lower tray did not leave the low limit sensor after the lower tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Lower tray lift motor defective • Lower tray low limit sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the lower tray lift motor. • Replace the lower tray low limit sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-80	D	Perfect Binder: Lower tray paper feed position late error
		The lower tray did not leave the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Lower tray lift motor defective • Lower tray PICK sensor defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the lower tray lift motor. • Replace the lower tray PICK sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-81	D	Perfect Binder: Low performance error (or service mode)
		<ul style="list-style-type: none"> • When error occurred, wrinkling possible where there was no affect from straight-through feed. • If jam occurred at straight-through feed, the paper may not have fed. • The error may have occurred at straight-through feed. One or more of these conditions exit.
		<ul style="list-style-type: none"> • Check for paper jams and then remove
		<ul style="list-style-type: none"> • After the repairs, cancel the low performance mode, and then turn the power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-82	B	Perfect Binder: Grip HP sensor lag error
		During operation of the grip unit the HP sensor did not OFF after grip unit moved 20 mm.
		<ul style="list-style-type: none"> • Grip motor overloaded, defective • Grip HP sensor defective • Sensor flag defective • Connector loose, broken defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-83	B	Perfect Binder: Grip HP sensor late error
		The HP sensor did not go ON after the grip unit released the signature and moved 76 mm.
		<ul style="list-style-type: none"> • Grip motor overloaded, defective • Grip HP sensor defective • Sensor flag defective • Connector loose, broken defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-84	B	Perfect Binder: Grip end sensor lag error
		<ul style="list-style-type: none"> • The grip end sensor did not go off after the grip unit released the signature and moved the prescribed distance. • The grip end sensor did not go off, even after the booklet had been released after moving 86 mm.
		<ul style="list-style-type: none"> • Grip motor overloaded, defective • Grip end sensor defective • Sensor flag defective • Connector loose, broken defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-85	B	Perfect Binder: Grip end sensor late error
		<ul style="list-style-type: none"> • The grip end sensor did not go on, even after the booklet had been had been moved 86 mm. • The grip end sensor did not go on within 3.7 sec. after the book was gripped.
		<ul style="list-style-type: none"> • Grip motor overloaded, defective • Grip end sensor defective • Sensor flag defective • Connector loose, broken defective • No data incoming from signature thickness sensor
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-86	B	Perfect Binder: Left trimming buffer HP sensor lag error
		The left trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		<ul style="list-style-type: none"> • Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer HP sensor defective • Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the left trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-87	B	Perfect Binder: Trimming buffer HP sensor late error
		The left trimmings buffer HP sensor did not go ON within 5 sec. after the trimmings buffer moved toward the sensor.
		<ul style="list-style-type: none"> • Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the left trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-88	B	Perfect Binder: Right trimming buffer HP sensor lag error
		The right trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		<ul style="list-style-type: none"> • Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Right trimmings buffer HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the right trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC752-89	B	Perfect Binder: Right trimming buffer HP sensor late error
		The right trimmings buffer HP sensor did not go ON within 5 sec. after the trimmings buffer moved toward the sensor.
		<ul style="list-style-type: none"> • Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Right trimmings buffer HP sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the right trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

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Perfect Binder (2)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-10	B	Perfect Binder: Trimmings buffer motor rotation error
		No encoder lock input received within 50 ms during operation.
		<ul style="list-style-type: none"> • Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer end sensor defective • Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the trimming buffer encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-11	B	Perfect Binder: Thrust plate operation error
		The thrust press plate sensor did not go OFF after the trimmings buffer moved to the left for 3 sec. (blocked by jammed trimming scraps).
		<ul style="list-style-type: none"> • Trimmings buffer motor defective • Motor connector loose, broken, defective • Thrust plate sensor defective • Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-12	B	Perfect Binder: Thrust plate retraction error
		The paper press plate sensor did not go ON after the trimmings buffer moved to the right for 3 sec. (blocked by jammed trimming scraps).
		<ul style="list-style-type: none"> • Trimmings buffer motor defective • Motor connector loose, broken, defective • Thrust plate sensor defective • Buffer full of trimmings
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-13	B	Perfect Binder: Book collection buffer HP sensor error
		The book collection buffer HP sensor did not go OFF within the time prescribed for release of the book in the book buffer.
		<ul style="list-style-type: none"> • Book buffer tray motor connector loose, broken, defective • Motor overload, defective • Book collection buffer tray HP sensor loose, broken, defective • Mechanism blocked by paper scraps
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-14	B	Perfect Binder: Book collection buffer tray HP sensor late error
		The book collection buffer HP sensor did not go off even after the book buffer tray moved for 3 sec.
		<ul style="list-style-type: none"> • Book buffer tray motor connector loose, broken, defective • Motor overload • Motor defective • Book collection buffer tray HP sensor loose, broken, defective, Blocked by paper scraps
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-15	B	Perfect Binder: Press HP sensor lag error
		During press plate operation during trimming, the edge press plate HP sensor did not OFF after it had time to move the prescribed distance.
		<ul style="list-style-type: none"> • Edge press plate motor connection loose, broken, defective • Motor overloaded, defective • Edge press plate HP sensor connection loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-16	B	Perfect Binder: Press plate late error
		<ul style="list-style-type: none"> • Edge press plate sensor did not go ON within 15 sec. of edge press release. • The edge press plate motor stopped when the edge press plate HP sensor switched ON, but after it stopped the HP sensor went OFF.
		<ul style="list-style-type: none"> • Edge press plate motor connection loose, broken, defective • Motor overloaded • Motor defective • Edge press plate HP sensor connection loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-17	B	Perfect Binder: Press end sensor lag jam
		After the press plate released the signature and moved the prescribed distance, the press end sensor did not go OFF.
		<ul style="list-style-type: none"> • Edge press plate motor connector loose, broken, defective • Motor overloaded, defective • Press end sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-18	B	Perfect Binder: Press end sensor late jam
		<ul style="list-style-type: none"> • The press end sensor did not go ON within 8 sec. after the press operation started • Operation stopped when the press end sensor went ON, but sensor went off after the operation stopped.
		<ul style="list-style-type: none"> • Edge press plate motor connector loose, broken, defective • Motor overloaded, defective • Press end sensor connector loose, broken, defective • Sensor defective • No data about book thickness received
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-19	B	Perfect Binder: Slide HP sensor lag error
		When the slide was raised, the slide HP sensor did not go OFF after it moved 180 mm.
		<ul style="list-style-type: none"> • Slide motor connection loose, broken, defective • Motor overloaded, defective • Slide HP sensor connection loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-20	B	Perfect Binder: Slide HP sensor late error
		The slide HP sensor did not go ON after the slide was lowered and had enough time to move 180 mm.
		<ul style="list-style-type: none"> • Slide motor connection loose, broken, defective • Motor overloaded, defective • Slide HP sensor connection loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-21	B	Perfect Binder: Book rotation HP sensor (right) lag error
		<ul style="list-style-type: none"> • The book rotation HP sensor did not go OFF after the book was rotated 60 degrees. • The book rotation HP sensor did not go OFF after the book was rotated 30 degrees.
		<ul style="list-style-type: none"> • Book rotation motor 1 (right) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor (right) connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Book rotation motor 1 (right). • Replace the book rotation HP sensor (right). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-22	B	Perfect Binder: Book rotation HP sensor (right) late error
		<ul style="list-style-type: none"> • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 440 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 360 degrees.
		<ul style="list-style-type: none"> • Book rotation motor 1 (right) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor (right) connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Book rotation motor 1 (right). • Replace the book rotation HP sensor (right). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-23	B	Perfect Binder: Book rotation HP sensor (left) lag error
		<ul style="list-style-type: none"> • The book rotation HP sensor 2 (right) did not go OFF after the book was rotated 50 degrees. • The book rotation HP sensor 2 (left) did not go OFF after the book was rotated 50 degrees toward the cutting position.
		<ul style="list-style-type: none"> • Book rotation motor 2 (left) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor 2 (left) connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-24	B	Perfect Binder: Book rotation HP sensor (left) late error
		<ul style="list-style-type: none"> • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • Before the book is rotated before cutting, the book rotation HP sensor 2 (left) did not go on, even after the book had been rotated twice the prescribed distance.
		<ul style="list-style-type: none"> • Book rotation motor 2 (left) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor 2 (left) connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-25	B	Perfect Binder: Cutter front HP sensor lag error
		<ul style="list-style-type: none"> • At initialization, the blade did not leave the home position even after 20 mm of movement. • When the blade moved to the rear, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-26	B	Perfect Binder: Cutter rear HP sensor late error
		When the blade was moved to the rear, it did not arrive at the home position after 122 mm of movement.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-27	B	Perfect Binder: Cutter rear HP sensor lag error
		<ul style="list-style-type: none"> • When the blade moved from the rear HP sensor, it did not leave the rear HP position after 20 mm of movement toward the front. • When the blade moved to the front, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-28	B	Perfect Binder: Cutter front HP sensor late error
		When the blade is moved to the front, the blade did not return to blade sensor 1 after enough time had elapsed for the blade to move 122 mm.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-29	B	Perfect Binder: Cut end late error
		<ul style="list-style-type: none"> • During movement from front to rear during cutting, blade sensor 1 did not go ON after enough time had elapsed for the blade to move 61 mm. • During movement from front to rear during cutting, blade sensor 1 did not go ON after 10 sec. had elapsed.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensor 1 connector loose, broken defective • Sensor defective • Blade is dull, not cutting efficiently
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-30	B	Perfect Binder: Cut end lag error
		<ul style="list-style-type: none"> • During movement from rear to front during cutting, blade sensor 1 did not go OFF after enough time had elapsed for the blade to move 61 mm. • During movement from rear to front during cutting, blade sensor 1 did not go OFF after 10 sec. had elapsed.
		<ul style="list-style-type: none"> • Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensor 1 connector loose, broken defective • Sensor defective • Blade is dull, not cutting efficiently
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-31	B	Perfect Binder: Book lift tray HP sensor lag error
		<p>During tray lifting, the book tray lift sensor did not go off after 10 sec. had elapsed.</p> <p>The book lift sensor did not go off after enough time had elapsed to move the tray more than 10 mm.</p>
		<ul style="list-style-type: none"> • Book lift tray motor connector loose, broken, defective • Motor overloaded, defective • Book lift tray HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace book lift tray motor. • Replace book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-32	B	Perfect Binder: Book lift tray HP sensor late error
		While the book lift tray was being lowered, the book lift tray HP sensor did not go on after 1.5 sec. had elapsed.
		<ul style="list-style-type: none"> • Book lift tray motor connector loose, broken, defective • Motor overloaded, defective • Book lift tray HP sensor connector loose, broken, defective • Sensor defective • Book jam
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace book lift tray motor. • Replace book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-33	B	Perfect Binder: Book lift tray motor rotation error
		No encoder lock input received within 50 ms during operation.
		<ul style="list-style-type: none"> • Book lift motor connector loose, broken, defective • Motor defective • Book lift tray lock sensor connector loose, broken, defective • Sensor defective • Edge press plate, or mechanism jammed by a book
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace book lift tray motor. • Replace the book lift tray encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the edge press plate, or mechanism jammed by a book <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-34	B	Perfect Binder: Book output tray HP sensor lag error
		<ul style="list-style-type: none"> • The book output tray HP sensor did not go OFF within 1 sec. after it went ON. • The book output tray HP sensor did not go OFF after enough time had elapsed for the tray to move more than 10 mm.
		<ul style="list-style-type: none"> • Book output belt motor connector loose, broken, defective • Motor overloaded, defective • Book output tray HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-35	B	Perfect Binder: Book out put tray HP sensor late error
		The book output tray HP sensor did not go ON within 3.5 sec. after it went OFF.
		<ul style="list-style-type: none"> • Book output belt motor connector loose, broken, defective • Motor overloaded, defective • Book output tray HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-36	B	Perfect Binder: Blade cradle HP sensor lag error
		While the blade was retracting to the home position, the blade cradle sensor did not go OFF after enough time had elapsed for the blade to move 12 mm.
		<ul style="list-style-type: none"> • Blade cradle motor connector loose, broken, defective • Motor overloaded, defective • Blade cradle HP sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the blade cradle motor. • Remove the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-37	B	Perfect Binder: Blade cradle HP sensor late error
		While the bladed was being lowered, the blade cradle HP sensor did not go ON after enough time had elapsed for 21 mm of movement.
		<ul style="list-style-type: none"> • Blade cradle motor connector loose, broken, defective • Motor defective • Blade cradle HP sensor connector loose, broken, defective • Sensor defective • Blade cradle or cutter physically jammed
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the Blade cradle or cutter physically jammed <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-38	B	Perfect Binder: Book door lock error
		The book door sensor was detected OFF with the book door locked.
		<ul style="list-style-type: none"> • Book door lock solenoid connector loose, broken, defective • Solenoid defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book door lock solenoid. • Replace the book door open sensor. • Replace the cutter control board. • Replace the SOL harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-39	B	Perfect Binder: Glue heater error
		The glue heater thermistor registered more that 200 degrees for more than 1 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-40	B	Electrical short in the gluing unit
		A temperature of less than 5 degrees was detected for 1 sec. or more than 10 sec. after power on.) However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-41	B	Perfect Binder: Glue heater startup error 1
		Glue temperature thermistor did not detect a temperature of 140 degrees within 200 sec. after it detected a temperature over 50 degrees.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-42	B	Perfect Binder: Low temperature detection error
		After adjustment of the glue temperature, the glue temperature thermistor detected a temperature lower than 135 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-43	B	Perfect Binder: High temperature detected in unit
		Thermistor detected abnormal high temperature.
		<ul style="list-style-type: none"> • Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-44	B	Perfect Binder: Thermostat error
		Abnormal thermostat detection.
		<ul style="list-style-type: none"> • Thermostat defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-45	B	Perfect Binder: Glue level thermistor error 1
		After glue warm-up completed, the glue level thermistor detected a temperature of over 170 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue level thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-46	B	Perfect Binder: Glue level thermistor error 2
		After glue warm-up completed, the glue level thermistor detected a temperature less than 100 degrees for more than 10 sec.
		<ul style="list-style-type: none"> • Glue level thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-47	B	Perfect Binder: Thermistor disconnect error
		The glue abnormal temperature thermistor detected a temperature of less than 5 degrees for for 1 sec., or more than 10 sec. after power on. However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		<ul style="list-style-type: none"> • Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-48	B	Perfect Binder: Glue level thermistor disconnect error
		<ul style="list-style-type: none"> The AD value of the glue level thermistor was above 991 LSB for 10 sec. Temperature adjustment mode stops if glue level sensor detects the temperature remaining below 99 degrees for more than 10 sec. Because temperature adjustment began in another mode, the adjustment stopped when the error was detected and error detection stopped. Error detection will not operate at temperature adjustment stop.
		<ul style="list-style-type: none"> Glue level thermistor defective Glue heater defective Slave board defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the gluing unit.. Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-49	B	Perfect Binder: Internal temperature thermistor error
		The A/D value of the internal temperature thermostat was detected above 80 degrees for 1 sec.
		<ul style="list-style-type: none"> Internal temperature thermistor connector loose, broken, defective Thermistor defective Slave board defective
		<ul style="list-style-type: none"> Reconnect the connector. Replace the internal temperature thermistor. Replace the slave board. Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-50	B	Perfect Binder: Internal temperature thermostat disconnect error
		The A/D value of the internal temperature thermostat was detected below -20 degrees for 1 sec.
		<ul style="list-style-type: none"> • Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-51	B	Perfect Binder: Internal temperature thermistor error
		Temperature was detected above 10°C three consecutive times (sampled every sec. for 1 min.).
		<ul style="list-style-type: none"> • Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-52	B	Perfect Binder: Glue heater startup error 2
		The warm-up temperature was above the $+5^{\circ}\text{C}$ target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		<ul style="list-style-type: none"> • Internal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-53	B	Perfect Binder: Glue heater startup error 3
		The warm-up temperature was below the $+5^{\circ}\text{C}$ target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		<ul style="list-style-type: none"> • Internal temperature thermistor defective • Glue heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-54	B	Perfect Binder: Glue heater startup error 4
		At the end of temperature adjustment at power on, warm-up did not complete within 500 sec. The glue vat temperature did not reach the warm-up temperature within 500 sec.
		<ul style="list-style-type: none"> • Glue heater connector loose, broken, defective • Heater defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-55	B	Perfect Binder: Ambient temperature error
		Ambient temperature is not within the operational range: It was between 0°C and -20C.
		<ul style="list-style-type: none"> • Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Check the room temperature (0°C or higher). • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-56	B	Perfect Binder: Glue low limit late error
		The level of the glue in the vat was detected below the low limit 4 times.
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-57	B	Perfect Binder: Glue high limit late error
		Without glue application, and with the glue level above the low limit, the glue level thermistor did not detect the level of the glue at the high limit, even after 12 glue pellets were supplied.
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-58	B	Perfect Binder: Glue lowering level error
		Without glue supply, the level of the glue detected by the glue lever thermistor did not lower away from the high limit level, even after application of 25.42 g
		<ul style="list-style-type: none"> • Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board defective • Glue application defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Adjust the amount of glue application. • Replace the gluing unit.. • Replace the slave board. • Check the gluing unit. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-59	B	Perfect Binder: Glue level thermistor adjustment value error
		<ul style="list-style-type: none"> • Temperature detected by glue level thermistor out of range, 128°C +-14°C for low limit. • Temperature detected by glue level thermistor out of range, 142°C +-10°C for high limit. • The glue level thermistor adjustment value for low limit is larger than the high level. • Glue level thermistor target value is 5°C off the values of the low and high limit.
		<ul style="list-style-type: none"> • Master control board EEPROM data error • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board disconnected, defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • Reconnect the connector. • Re-set the value for glue level thermistor. • Replace the gluing unit.. • Replace the master control board EEPROM. • Replace the slave board. • Replace the master control board. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-60	B	Perfect Binder: Timing sensor adjustment high value error
		The timing sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after timing sensor D/A output value was higher than 3.5V.
		<ul style="list-style-type: none"> • Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the timing sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-61	B	<p>Perfect Binder: Cover registration sensor adjustment high value error</p> <p>The cover registration sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after cover registration sensor output value output was higher than 3.5V.</p> <ul style="list-style-type: none"> • Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective <ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-62	B	Perfect Binder: Cover horizontal registration sensor (S) adjustment high value error
		The cover horizontal registration sensor (S) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor (S) D/A output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-63	B	Perfect Binder: Cover horizontal registration sensor (L) adjustment high value error
		The cover horizontal registration sensor (L) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover horizontal registration sensor (L) D/A output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (L) • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-64	B	Perfect Binder: Signature exit sensor adjustment high value error
		The signature exit sensor A/D input value was lower than 3.2 to 3.54V, the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-65	B	Perfect Binder: LE detect sensor adjustment high value error
		The leading edge detect sensor A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor A/D output value output was higher than 3.7V.
		<ul style="list-style-type: none"> • LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-66	B	Perfect Binder: Entrance path sensor adjustment high value error
		When the entrance path sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		<ul style="list-style-type: none"> • Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-67	B	Perfect Binder: Book registration sensor adjustment high value error
		When the book registration sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		<ul style="list-style-type: none"> • Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-68	B	Perfect Binder: Timing sensor adjustment low value error
		The timing sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after timing sensor D/A output value was lower than 0.1V.
		<ul style="list-style-type: none"> • Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the timing sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-69	B	Perfect Binder: Cover registration sensor adjustment low value error
		The cover registration sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after cover registration sensor D/A output value output was lowered 0.1V.
		<ul style="list-style-type: none"> • Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-70	B	Perfect Binder: Cover horizontal registration sensor (S) adjustment low value error
		The cover horizontal registration sensor (S) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cver horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-71	B	Perfect Binder: Cover horizontal registration sensor (L) adjustment low value error
		The cover horizontal registration sensor (L) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did not enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		<ul style="list-style-type: none"> • Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cover horizontal registration sensor (L). • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-72	B	Perfect Binder: Signature exit sensor adjustment low value error
		The signature exit sensor A/D input value was higher than 3.2 to 3.54V, the A/D input value did not enter the range 3.2 to 3.54V, even after cover registration sensor output value output was raised 0.04V.
		<ul style="list-style-type: none"> • Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-73	B	Perfect Binder: LE detect sensor adjustment low value error
		The LE detect sensor A/D input value was higher than 3.2 to 3.54V, and the sensor A/D input value did not enter the range 3.2 to 3.54V, even after the sensor output value was raised 0.04V.
		<ul style="list-style-type: none"> • LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-74	B	Perfect Binder: Entrance path sensor adjustment low value error
		When the entrance path sensor was adjusted, the sensor A/D input was higher than 2.58 V, even after the sensor D/A output was lowered to 0V.
		<ul style="list-style-type: none"> • Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-75	B	Perfect Binder: Book registration sensor adjustment low value error
		When the book registration sensor was adjusted, the sensor A/D input was more than 2.58 V, even after the sensor D/A output was less than 0V.
		<ul style="list-style-type: none"> • Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-76	B	Perfect Binder: LE detect sensor late error
		The stack was late for gluing to the cover because there was no stack transport end sensor from the slave control board and there was no signal that the LE detect sensor had signaled to arrival of the stack.
		<ul style="list-style-type: none"> • LE detect sensor connector loose, broken, defective • Sensor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-77	B	Perfect Binder: Trim unit entrance sensor late error
		The stack was late arriving because the trim unit entrance sensor did not go ON even after a transport end signal was received.
		<ul style="list-style-type: none"> • Signature jam occurred between the the cover transport unit and signature rotation unit. • Trim unit entrance sensor defective • Signature exit roller motor defective • Slave control board defective • Cutter control board defective • Connector loose, broken, defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the trim unit entrance sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753- 78	B	Perfect Binder: Book registration sensor late error
		At the start of cutter registration, the book registration did not go ON.
		<ul style="list-style-type: none"> • Signature jam occurred in the signature rotation unit. • Book registration sensor defective • Connector loose, broken, defective • Cutter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-79	B	Perfect Binder: Signature exit sensor lag error
		When the power was turned on, the cover path was closed and the signature exit sensor detected paper present, but the LE detect sensor had detected no paper present.
		<ul style="list-style-type: none"> • Signature exit sensor defective • Signature jam occurred in the cover transport unit when the power was turned on. • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit sensor. • Replace the leading edge sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-80	B	Perfect Binder: Entrance path sensor late error
		During the automatic exit operation, the entrance path sensor could not detect any paper within 6860 ms after gluing and stack transport started.
		<ul style="list-style-type: none"> • Signature jam occurred between the cover transport unit and signature rotation unit during the automatic exit operation. • Trim unit entrance sensor defective • Stack transport roller defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the trim unit entrance sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-81	B	Perfect Binder: Main grip late error
		There was no stack received from the sub grip unit; the main grip signature sensor detected no stack.
		<ul style="list-style-type: none"> • Signature jam occurred in the sub grip unit. • Signature move motor defective • Main grip signature sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature move motor. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-82	B	Perfect Binder: Trim unit entrance sensor lag error
		At the end of initialization at power on, the entrance path sensor went ON.
		<ul style="list-style-type: none"> • Signature jam occurred in the trim unit. • Trim unit entrance sensor defective • Connector loose, broken, defective • Cutter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trim unit entrance sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-83	B	Perfect Binder: Book registration sensor lag error
		<ul style="list-style-type: none"> • Book registration sensor detected ON at the end of initialization after power on. • Book registration sensor detected ON at the end of automatic exit operation. • Book registration sensor detected ON at the end of book binding and automatic exit. • Book registration sensor could detect no stack at fore edge cutting. • Book registration sensor detected ON at end of grip operation during book binding.
		<ul style="list-style-type: none"> • Signature jam occurred in the book lift tray • Book registration sensor defective • Connector loose, broken, defective • Cutter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-84	B	Perfect Binder: Book arrival sensor lag error
		Not detected
		<ul style="list-style-type: none"> • Sensor defective • Book failed to reach output tray • Fore edge trim scraps fell into output area
		<ul style="list-style-type: none"> • Not detected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-85	B	Perfect Binder: Trimming jam error
		<ul style="list-style-type: none"> • The edge press plate HP sensor remained OFF after disposing of the trimmed paper and the trimmings buffer was moved 19 mm to the right. • After the trimmings buffer door was opened and closed to check for paper scraps, the machine detected paper scrap jam 3 times (and issued the alarm after the 2nd detection).
		<ul style="list-style-type: none"> • There are scraps in the trimmings buffer and at the edge press plate. • Edge press plate HP sensor defective • Trimmings buffer motor defective • Connector loose, broken, defective • Cutter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the trimmings buffer motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the trimming jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-86	B	Perfect Binder: Sub grip unit lag error
		When the sub grip unit was checked for the presence of paper, no paper could be detected even after opening the sub grip unit.
		<ul style="list-style-type: none"> • Paper remains in the sub grip unit. • Sub grip signature sensor defective • Sub gripper motor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub gripper motor. • Replace the sub grip signature sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-87	B	Perfect Binder: Main grip unit lag error
		Although cutter retracted, the absence of paper could not be detected.
		<ul style="list-style-type: none"> • Paper remains in the main grip unit • Main grip signature sensor defective • Connector loose, broken, defective • Slave control board defective • Signature exit roller motor defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. • Replace the signature exit roller motor. • Replace the motor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-88	B	Perfect Binder: Signature thickness sensor minimum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the minimum value (0 mm) was smaller than the A/D value of -30.
		<ul style="list-style-type: none"> • Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective • Master control board defective • EEPROM on the master board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC753-89	B	Perfect Binder: Signature thickness sensor maximum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the maximum value (25mm) was smaller than the A/D value.
		<ul style="list-style-type: none"> • Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective • Master control board defective • EEPROM on the master board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-10	B	Perfect Binder: Signature thickness sensor value unstable error
		The signature thickness reading did not change, even after the main grip unit opened and closed.
		<ul style="list-style-type: none"> • Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective • Master control board defective • EEPROM on the master board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-11	B	Perfect Binder: Glue vat roller motor error
		The glue vat roller rotation sensor could not detect rotation of the glue vat roller motor within 1200 ms of motor operation.
		<ul style="list-style-type: none"> • Glue vat roller motor defective • Glue vat roller rotation sensor connector defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the vat roller motor. • Replace the vat roller rotation sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-12	B	Perfect Binder: Glue roller HP sensor late error
		During glue supply, the glue roller HP sensor did not go ON, even though the glue roller motor was operating for 1000 ms.
		<ul style="list-style-type: none"> • Glue pellets jammed • Glue supply motor defective • Glue roller HP sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-13	B	Perfect Binder: Glue roller HP sensor lag error
		During glue supply, the glue roller HP sensor did not go OFF, even though the glue roller motor was operating for 2400 ms.
		<ul style="list-style-type: none"> • Glue pellets jammed • Glue supply motor defective • Glue roller HP sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-14	B	Perfect Binder: Front door lock error
		Front door lock release sensor did not go off, even though the door was locked.
		<ul style="list-style-type: none"> • Front door solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the solenoid harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-15	B	Perfect Binder: Front door lock release error
		The front door lock release sensor did not go ON, even though the door was unlocked.
		<ul style="list-style-type: none"> • Front door solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the solenoid harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-16	B	Perfect Binder: Front door force open error
		The front door open was detected open, even though it was locked.
		<ul style="list-style-type: none"> • Front door switch defective • Front door solenoid defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the front door solenoid. • Replace the front door switch. • Replace the master control board. • Replace the solenoid harness. • Replace the switch harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-17	B	Perfect Binder: Switchback flapper HP sensor late error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go ON, even though the switchback flapper motor operated long enough for lifting through an arc of 50 degrees
		<ul style="list-style-type: none"> • Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-18	B	Perfect Binder: Switchback flapper HP sensor lag error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go OFF, even though the switchback flapper motor operated long enough for lowering through an arc of 150 degrees
		<ul style="list-style-type: none"> • Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-19	B	Perfect Binder: TE press lever HP sensor late error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go ON, even though the TE press lever motor operated long enough to move the lever through an arc of 30 degrees.
		<ul style="list-style-type: none"> • TE press lever HP sensor defective • TE press lever motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-20	B	Perfect Binder: TE press lever HP sensor lag error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go OFF, even though the TE press lever motor operated long enough to move the lever through an arc of 20 degrees.
		<ul style="list-style-type: none"> • TE press lever HP sensor defective • TE press lever motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-21	B	Perfect Binder: Jog fence front HP sensor late error
		The front jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-22	B	Perfect Binder: Jog fence front HP sensor lag jam
		While small-size paper was being jogged, the jog fence front HP sensor did not go OFF after the front jog fence motor operated long enough for 40 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-23	B	Perfect Binder: Jog fence large HP sensor late error
		While large-size paper was being jogged, the front jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.
		<ul style="list-style-type: none"> • Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-24	B	Perfect Binder: Jog fence front large HP sensor lag error
		While large-size paper was being jogged, the jog fence front large HP sensor did not go OFF after the front jog fence motor operated long enough for 20 mm of feed.
		<ul style="list-style-type: none"> • Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-25	B	Perfect Binder: Jog fence rear HP sensor late error
		While jogging small-size paper, the rear jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		<ul style="list-style-type: none"> • Jog fence rear HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-26	B	Perfect Binder: Jog fence rear HP sensor lag jam
		While small-size paper was being jogged, the jog fence rear HP sensor did not go OFF after the rear jog fence motor operated long enough for 40 mm of feed.
		<ul style="list-style-type: none"> • Jog fence rear HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-27	B	Perfect Binder: Jog fence rear large HP sensor late error
		While large-size paper was being jogged, the rear jog fence large HP sensor did not go ON, even though the jog fence rear motor operated long enough for 70mm of feed.
		<ul style="list-style-type: none"> • Jog fence rear large HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-28	B	Perfect Binder: Jog fence rear large HP sensor lag error
		While large-size paper was being jogged, the jog fence rear large HP sensor did not go OFF after the rear jog fence motor operated long enough for 20 mm of feed.
		<ul style="list-style-type: none"> • Jog fence rear large HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-29	B	Perfect Binder: Switchback roller HP sensor late error
		During the switchback roller lift operation, the switchback roller HP sensor did not go ON, even though the switchback roller lift motor operated long enough for lifting through an arc of 40 degrees.
		<ul style="list-style-type: none"> • Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback roller lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-30	B	Perfect Binder: Switchback roller HP sensor lag error
		During the switchback roller lowering, the switchback roller HP sensor did not go OFF, even though the switchback roller lift motor operated long enough for lowering through an arc of 40 degrees.
		<ul style="list-style-type: none"> • Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the switchback roller lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-31	B	Perfect Binder: Stacking tray lower limit late error
		When the stacking tray was lowered, the tray lower limit sensor did not go ON after the stacking tray lift motor had operated long enough for 90 mm of lift.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-32	B	Perfect Binder: Stacking tray low limit lag error
		When the stacking tray was raised, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 30mm of lift.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-33	B	Perfect Binder: Paper detect sensor (front) detection error
		When the stacking tray was raised, the paper detect sensor (front) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 30 mm of lift.
		<ul style="list-style-type: none"> • Paper detect sensor (front) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-34	B	Perfect Binder: Perfect Binder: Paper detect sensor (front) no paper detection error
		When the stacking tray was lowered, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		<ul style="list-style-type: none"> • Paper detect sensor (front) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-35	B	Perfect Binder: Paper detect sensor (rear) paper detection error
		When the stacking tray was raised, the paper detect sensor (rear) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 40 mm of lift.
		<ul style="list-style-type: none"> • Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-36	B	Perfect Binder: Paper detect sensor (rear) no paper detection error
		When the stacking tray was lowered, the paper detect sensor (rear) did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		<ul style="list-style-type: none"> • Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-37	B	Perfect Binder: Stack overflow sensor detection late error
		When the stacking tray was raised, the stack overflow sensor did not go OFF after the stacking tray lift motor had operated long enough for 70mm lowering.
		<ul style="list-style-type: none"> • Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-38	B	Perfect Binder: Stacking tray low limit sensor error 1
		The stacking tray low limit sensor and the stack overflow sensor went ON at the same time.
		<ul style="list-style-type: none"> • Tray lower limit sensor defective • Stack overflow sensor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the tray lower limit sensor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-39	B	Perfect Binder: Stack overflow sensor detection position lag error
		<p>When the tray was lowered to allow removal of the booklets, the stack overflow sensor did not go OFF, even after the stacking tray lift motor had operated long enough for 40mm of lift.</p>
		<ul style="list-style-type: none"> • Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-40	B	Perfect Binder: Stacking tray low limit sensor error 2
		When the stacking tray was lifted, the stack overflow sensor did not go OFF, even though the either (or both) the paper detect sensor (front) or the paper detect sensor (rear) were on while the stacking tray empty sensor was OFF.
		<ul style="list-style-type: none"> • Tray empty sensor defective • Paper detect sensors (front, rear, or both) defective • Stack overflow sensor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the tray empty sensor. • Replace the paper detect sensor (front). • Replace the paper detect sensor (rear). • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-41	B	Perfect Binder: Stack tray HP sensor late error
		When the tray moved to the home position, the HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		<ul style="list-style-type: none"> • Stack tray HP sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-42	B	Perfect Binder: Stack tray HP sensor lag error
		When the tray moved from the home position, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		<ul style="list-style-type: none"> • Stack tray HP sensor defective • Stacking tray motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stacking tray motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-43	B	Perfect Binder: Stack weight move HP sensor late error
		When the tray moved to the home position, the stack weight move HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		<ul style="list-style-type: none"> • Stack weight HP sensor defective • Stack weight motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-44	B	Perfect Binder: Stack weight HP sensor lag error
		During movement away from the HP sensor, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		<ul style="list-style-type: none"> • Stack weight HP sensor defective • Stack weight motor defective • Harness connector loose, broken, defective • Master control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-45	B	Perfect Binder: Sub grip HP sensor late error
		During the sub grip lift operation, the sub grip upper HP sensor did not go ON, even though the sub grip lift motor had operated for 4110 ms.
		<ul style="list-style-type: none"> • Sub grip lift motor defective • Sub grip upper HP sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip lift motor. • Replace the Sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-46	B	Perfect Binder: Sub grip HP sensor lag error
		During sub grip lowering, the sub grip lower HP sensor did not go OFF, even though the sub grip lift motor had operated for 240 ms.
		<ul style="list-style-type: none"> • Sub grip lift motor defective • Sub grip upper HP sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip lift motor. • Replace the Sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-47	B	Perfect Binder: Sub grip size HP sensor late error
		<p>When the sub grip unit opened horizontally, the size move HP sensor did not go ON, even after the size move motor had operated for 726 ms, or operated long enough for 108.75 mm of movement.</p> <p>After the sub grip unit moved to the horizontal release position, the sub grip size HP sensor was already OFF.</p>
		<ul style="list-style-type: none"> • Sub grip size motor defective • Sub grip size HP sensor defective • Harness connector, loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-48	B	Perfect Binder: Sub grip size HP sensor lag error
		<ul style="list-style-type: none"> • When the sub grip unit closed horizontally, the size move HP sensor did not go OFF, even after the size move motor had operated for 500 ms, or operated long enough for 108.75 mm of movement. • After the sub grip unit moved from the horizontal close position to the open position, the size shift HP sensor was already ON.
		<ul style="list-style-type: none"> • Sub grip size motor defective • Sub grip size HP sensor defective • Harness connector, loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-49	B	Perfect Binder: Sub grip open position late error
		At the start of the sub grip open operation, the SG open sensor did not go ON, even after the SG motor had operated for 1500 ms.
		<ul style="list-style-type: none"> • SG motor drive board defective • SG open sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-50	B	Perfect Binder: Sub grip open position lag error
		At the start of the sub grip close operation, the SG open sensor did not go OFF, even after the SG motor had operated for 500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG open sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-51	B	Perfect Binder: Sub grip close position late error
		At the start of the sub grip close operation, the SG close sensor did not go ON, even after the SG motor had operated for 1500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG close sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-52	B	Perfect Binder: Sub grip close position lag error
		At the start of the sub grip open operation, the SG close sensor did not go OFF, even after the SG motor had operated for 500 ms.
		<ul style="list-style-type: none"> • SG motor defective • SG close sensor defective • Harness connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-53	B	Perfect Binder: Main grip HP sensor late error
		<ul style="list-style-type: none"> • During main grip lift, the MG HP sensor did not go ON, even though the main grip lift motor had operated for 6185 ms. • MG HP sensor did not go OFF when the main grip moved from up position to down position.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-54	B	Perfect Binder: Main grip HP sensor lag error
		<ul style="list-style-type: none"> • During main grip lowering, the MG HP sensor did not go OFF, even though the main grip lift motor had operated for 1455 ms. • MG HP sensor did not go ON when the main grip moved from down position to up position.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-55	B	Perfect Binder: Main grip press sensors (s) position late error
		When lifting from main grip signature registration position, MG press sensors did not go ON, even though the MG lift motor had operated for 95 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensors defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-56	B	Perfect Binder: Main grip press sensor (S) position lag error
		When lowering to main grip signature registration position, MG press sensor (S) did not go OFF, even though the MG lift motor had operated for 5640 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (S) defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-57	B	Perfect Binder: Main grip press sensor (L) position late error
		When lowering cover in main grip to press position, MG press sensor (L) did not go ON, even though the MG lift motor had operated for 6185 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-58	B	Perfect Binder: Main grip press sensor (L) position lag error
		When raising cover in main grip from press position, MG press sensor (L) did not go OFF, even though the MG lift motor had operated for 95 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-59	B	Perfect Binder: Signature exit sensor late error
		When signature was passed from main grip to signature exit roller, signature exit sensor did not go ON after MG lift motor moved to signature turnover position.
		<ul style="list-style-type: none"> • MG lift motor defective • Signature exit sensor defective • Signature out of position, snagged on main grip • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the signature exit sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-60	B	Perfect Binder: Main grip HP sensor (L) late error
		During main grip lift, the MG HP sensor (L) did not go ON, even though the main grip lift motor had operated for 6185 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-61	B	Perfect Binder: Main grip HP sensor (L) lag error
		During main grip lowering, the MG HP sensor (L) did not go OFF, even though the main grip lift motor had operated for 1455 ms.
		<ul style="list-style-type: none"> • MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-62	B	Perfect Binder: Main grip open sensor (R) late error
		At the start of the main grip open operation, the MG open sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • MG open sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-63	B	Perfect Binder: Main grip open sensor (R) lag error
		At the start of the main grip close operation, the MG open sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip open sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-64	B	Perfect Binder: Main grip close sensor (R) late error
		At the start of the main grip close operation, the MG clsoe sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-65	B	Perfect Binder: Main grip close sensor (R) lag error
		At the start of the main grip close operation, the MG close sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-66	B	Perfect Binder: Main grip motor (R) rotation error
		At the start of the main grip open operation, the MG encoder sensor (R) was not detected on/off, even after the MG motor (R) had operated for 200 ms.
		<ul style="list-style-type: none"> • Main grip motor (R) defective • Main grip encoder sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-67	B	Perfect Binder: Main grip open sensor (F) late error
		At the start of the main grip open operation, the MG open sensor (F) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		<ul style="list-style-type: none"> • Main grip motor (F) defective • MG open sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-68	B	Perfect Binder: Main grip open sensor (F) lag error
		At the start of the main grip close operation, the MG open sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG open sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-69	B	Perfect Binder: Main grip close sensor (F) late error
		At the start of the main grip open operation, the MG clsoe sensor (F) did not go ON, even after the MG motor (F) had operated for 3000 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-70	B	Perfect Binder: Main grip close sensor (F) lag error
		At the start of the main grip open operation, the MG close sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-71	B	Perfect Binder: Main grip motor (F) rotation error
		At the start of the main grip open/close operation, the MG encoder sensor (F) was not detected on/off, even after the MG motor (F) had operated for 200 ms.
		<ul style="list-style-type: none"> • MG motor (F) defective • MG encoder sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the MG motor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-72	B	Perfect Binder: Signature exit path HP sensor late error
		During signature output roller separation, the signature exit path sensor did not go ON, even after the signature exit path motor was ON for 750 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-73	B	Perfect Binder: Signature exit path HP sensor lag error
		During signature exit roller nip operation, the signature exit path sensor did not go OFF, even after the signature exit path motor was OFF for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-74	B	Perfect Binder: Signature path exit press sensor late error
		During signature exit roller nip operation, the signature exit path exit press sensor did not go ON, even after the signature exit path motor operated for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-75	B	Perfect Binder: Signature path exit press sensor late error
		During signature output roller separation, the signature exit path press sensor did not go OFF, even after the signature exit path motor was ON for 300 ms.
		<ul style="list-style-type: none"> • Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-76	B	Perfect Binder: Leading edge sensor late error
		When signature exited at signature path exit roller, the leading edge sensor did not go ON, even after the signature exit roller motor operated long enough to feed the book 45 mm.
		<ul style="list-style-type: none"> • Signature exit roller motor defective • Leading edge sensor defection • Signature jam • Connector loose, broken, defective • Slave control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the signature exit roller motor. • Replace the leading edge sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-77	B	Perfect Binder: Drive switch motor error (down to up)
		The rack where the drive gear is mounted did not retract from the drive switch sensor after the drive switch motor operated for 3 s.
		<ul style="list-style-type: none"> • Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective • Inserter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-78	B	Perfect Binder: Drive switch motor error (up to down)
		The rack where the drive gear is mounted was late arriving at the drive switch sensor after the drive switch motor operated for 3 s.
		<ul style="list-style-type: none"> • Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective • Inserter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-79	B	Perfect Binder: Upper tray low position late error
		The upper tray did not leave the lower limit sensor after the upper tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Upper tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective • Inserter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray low limit sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-80	B	Perfect Binder: Upper tray feed position late error
		The upper tray did not arrive at the PICK sensor after the upper tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Upper tray lift motor defective • Upper tray PICK sensor defective • Connector loose, broken, defective • Inserter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray PICK sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-81	B	Perfect Binder: Lower tray low position lag error
		The lower tray did not leave the low limit sensor after the lower tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Lower tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective • Inserter control board defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the lower tray lift motor. • Replace the upper tray low limit sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. <p>After the repairs, cancel the low performance mode, and then turn the power off/on.</p>

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC754-82	B	Perfect Binder: Lower tray paper feed position late error
		The lower tray did not leave the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		The lower tray did not arrive at the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		<ul style="list-style-type: none"> • Lower tray lift motor defective • Lower tray PICK sensor defective • Connector loose, broken, defective • Inserter control board defective

Ring Binder

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-01	D	Ring Binder: Downstream device communication error
		-
		<ul style="list-style-type: none"> • The interface cable connector disconnected/broken • Board on the ring binder or a downstream device defective
		<ul style="list-style-type: none"> • Replace the interface cable • Reconnect the connector • Replace the board on the ring binder or a downstream device

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-02	D	Ring Binder: Device connection order error
		The ring binder did not detect the fixed device connection information command at the initial communication.
		<ul style="list-style-type: none"> • The interface cable connector disconnected/broken • Board on the ring binder or a downstream device defective
		<ul style="list-style-type: none"> • Replace the interface cable • Reconnect the connector • Replace the board on the ring binder or a downstream device

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-10	D	Ring Binder: Junction gate abnormal
		<ul style="list-style-type: none"> • Junction gate failed to move out of the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the junction gate within the prescribed time (600 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Path JG motor (M201) defective • Motor overloaded • Connector loose, broken, defective • JG HP sensor (S203) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-20	B	Ring Binder: Pre-punch side fence HP error
		<ul style="list-style-type: none"> • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (600 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Side jogger motor (M302) defective • Motor overloaded • Connector loose, broken, defective • Pre-punch jogger HP sensor (S302) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-21	B	Ring Binder: Pre-punch jogger roller HP sensor
		<ul style="list-style-type: none"> • The sensor failed to detect that the component had moved out of the home position within the prescribed time (36 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (22 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Jog roller lift motor (M305) defective • Motor overloaded • Connector loose, broken, defective • Jog roller lift HP sensor defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-22	B	Ring Binder: Ring binder punch defective
		<ul style="list-style-type: none"> • Punch unit was not detected at unit initialization. • The HP sensor was still detected within 30 ms after the DC motor switched ON and made one revolution. • An encoder pulse was not detected within 5 ms after the DC motor switched ON and made one revolution at home position. • The HP sensor was not detected within 400 ms after the DC motor switched ON.
		<ul style="list-style-type: none"> • Punch motor (M304) defective • Connector loose, broken, defective • Motor overload • Punch HP sensor (S302) defective • Punch encoder sensor defective
<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board 		

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-30	B	Ring Binder: Paddle roller HP error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Paddle roller lift motor (M603) defective • Motor overloaded • Connector loose, broken, defective • Paddle roller HP sensor defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-31	B	Ring Binder: Jogger fence 1 error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Jog fence 1 motor (M604) defective • Connector loose, broken, defective • Motor overload • Side fence 1 HP sensor (S601) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-32	B	Ring Binder: Jogger fence 2 error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Jog fence 2 motor (M606) defective • Connector loose, broken, defective • Motor overload • Side fence 2 HP sensor (S611) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-33	B	Ring Binder: Stack tamper HP error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Stack tamper motor (M607) defective • Motor overloaded • Connector loose, broken, defective • Stack tamper HP sensor (S612) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-34	B	Ring Binder: Pre-bind jogger clamp HP error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Spine clamp motor (M605) defective • Motor overloaded • Connector loose, broken, defective • HP sensor (S603) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-40	B	Ring Binder: Binder unit run-out error
		<ul style="list-style-type: none"> When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> Run-out press roller motor (M610) defective Motor overloaded Connector loose, broken, defective Run-out roller HP sensor (S614) defective
		<ul style="list-style-type: none"> Replace the motor Replace the sensor Replace the connector Reconnect the connector Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-41	B	Ring Binder: Clamp thickness error
		<ul style="list-style-type: none"> During jogging a 100-sheet stack was detected and the 50-sheet detect sensor (S606) went OFF. (1st detection signals a jam, 2nd detection issues this SC code.) When the clamp moved to the open release position at initialization, the 50-sheet detect sensor went OFF.
		<ul style="list-style-type: none"> 50-sheet detect sensor (S606) defective Connector loose, broken, defective
		<ul style="list-style-type: none"> Replace the connector Reconnect the connector Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-42	B	Ring Binder: Alignment pin error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Alignment pin motor (M602) defective • Motor overloaded • Connector loose, broken, defective • Alignment pin HP sensor (S604) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-43	B	Ring Binder: Pre-bind jogger shutter error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Shutter motor (M608) defective • Motor overloaded • Connector loose, broken, defective • Shutter HP sensor 1 (S605) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-44	B	Ring Binder: 50/100 clamp adjustment error
		<ul style="list-style-type: none"> • When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • 50/100 clamp adjustment motor (M702) defective • Connector loose, broken, defective • Motor overload • Ring switch HP sensor (S706) defective • Ring switch timing sensor (S707) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-45	B	Ring Binder: Timing sensor interval error
		At initialization or ring binding, the ON or OFF time of the timing sensor exceeded 1500 ms (1st detection signals a jam, 2nd detection issues this SC code)
		<ul style="list-style-type: none"> • Clamp unit motor (M701) defective • Connector loose, broken, defective • Motor overload • Bind timing sensor (S702) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-46	B	Ring Binder: Clamp unit HP error
		<ul style="list-style-type: none"> • At initialization or during ring binding, the unit did not arrive at home position within the prescribed time (1500 ms) (1st detection triggers a jam alert, 2nd detection issues this SC code). • The sensor failed to detect that the component had moved out of the home position within the prescribed time (1500 ms) (1st detection triggers a jam alert, 2nd detection issues this SC code).
		<ul style="list-style-type: none"> • Clamp unit motor (M701) defective • Connector loose, broken, defective • Motor overload • Clamp unit HP sensor (S701) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-47	B	Ring Binder: Spine alignment error
		During alignment a home position timeout (400 ms) occurred twice during movement of the tip of the alignment pin (2nd attempt was within an additional 400 ms).
		<ul style="list-style-type: none"> • Alignment pin motor (M602) defective • Connector loose, broken, defective • Alignment pin HP sensor (S604) defective • Alignment pin up sensor (S610) defective • Jog mechanism defective • Punch defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-48	B	Ring Binder: Binder unit not detected
		Binder unit was not detected at initialization before operation.
		<ul style="list-style-type: none"> • Connector loose, broken, defective • Drawer connector defective
		<ul style="list-style-type: none"> • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-50	B	Ring Binder: Output belt rotation error
		<ul style="list-style-type: none"> • The sensor failed to detect that the component had moved out of the home position within the prescribed time (800 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (2300 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Output belt rotation motor (M403) defective • Connector loose, broken, defective • Motor overload • Output belt rotation HP sensor (S403) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-51	B	Ring Binder: Output belt 1 HP error
		<ul style="list-style-type: none"> • The sensor failed to detect that the component had moved out of the home position within the prescribed time (200 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (2125 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> • Output belt 1 motor (M401) defective • Connector loose, broken, defective • Motor overload • Output belt 1 HP sensor (S401) defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-52	B	Ring Binder: Output belt 2 HP error
		<ul style="list-style-type: none"> The sensor failed to detect that the component had moved out of the home position within the prescribed time (200 pulses). The first occurrence triggers a jam, the second an SC code. The sensor could not detect the component within the prescribed time (3130 pulses). The first occurrence triggers a jam, the second an SC code.
		<ul style="list-style-type: none"> Output belt 2 motor (M402) defective Connector loose, broken, defective Motor overload Output belt 2 HP sensor (S402) defective
		<ul style="list-style-type: none"> Replace the motor Replace the sensor Replace the connector Reconnect the connector Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-60	B	Ring Binder: Stack height error
		The height of the stack increases until the stack height sensor goes ON. The sensor did not go ON within 6 sec. after the motor went ON (1st detection triggers a jam alert, 2nd detection issues this SC code).
		<ul style="list-style-type: none"> Stacker motor (M501) defective Connector loose, broken, defective Motor overload Stack height sensor 1 (S502) defective
		<ul style="list-style-type: none"> Replace the motor Replace the sensor Replace the connector Reconnect the connector Replace the board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC756-61	B	Ring Binder: Stacker error
		<ul style="list-style-type: none"> • At the start of stacking, or the end of the operation, even though the unit signaled stack full (stack up/down sensors went ON together), no stack was detected. • When stacking stopped, no stack was detected within 2 sec., even after the stack full alert. (1st detection triggers a jam, 2nd detection issues this SC code.)
		<ul style="list-style-type: none"> • Stacker HP sensor (S501) defective • Stack height sensor 1 (S502) defective • Stacker document sensor (S504) defective • Connector, loose, broken, defective
		<ul style="list-style-type: none"> • Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

Vacuum Feed LCIT

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-03	B	LCT1: Protection device break error
		The fuse blown signal "H (error)" of the fuse on the PSU/PCB in the LCT1 is detected.
		<ul style="list-style-type: none"> • Connector on the harness between PSU and PCB on LCT1 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		<ul style="list-style-type: none"> • Reconnect the connector on the harness between PSU and PCB on LCT1. • Replace the harness • Replace the PSU. • Replace the PCB. • Replace the harness/actuator.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-05	B	LCT1: PSU Cooling Fan 1 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 1 on the LCT1 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 1 on the LCT1 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT1. • Replace the harness • Replace the PSU. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-06	B	LCT1: PSU Cooling Fan 2 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 2 on the LCT1 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 2 on the LCT1 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 2 on the LCT1. • Replace the harness • Replace the PSU. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-07	B	LCT1: Bridge Unit Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the cooling fan on the bridge unit of LCT1 is ON.
		<ul style="list-style-type: none"> • Cooling fan defective • Connector disconnected • Harness broken • PCB on the LCT1 defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cooling fan. • Replace the harness • Replace the PCB on the LCT1.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-08	B	LCT1: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT1 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT1 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT1. • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-09	B	LCT1: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT1 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT1 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT1 . • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-50	D	LCT1: Connection configuration error (LCT not connected)
		LCT2 or LCT3 is detected while LCT1 is not installed.
		<ul style="list-style-type: none"> • The interface harness on the LCT1 broken • PCB on the LCT1 defective
		<ul style="list-style-type: none"> • Replace the interface harness on the LCT1 • Replace the PCB on the LCT1

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-51	D	LCT1: Connection configuration error (Bridge unit connection error)
		Without LCT2, the bridge unit is connected to LCT1.
		<ul style="list-style-type: none"> • The bridge unit is connected to LCT1 in single LCT configuration. • The interface harness on the LCT2 disconnected • Power cord of the LCT2 disconnected • PSU on the LCT2 defective
		<ul style="list-style-type: none"> • Remove the bridge unit from the LCT1. • Reconnect the interface harness connector on the LCT2. • Plug the power cord of the LCT2. • Replace the PSU on the LCT2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-03	B	LCT2: Protection device break error
		The fuse blown signal "H (error)" of the fuse on the PSU/PCB in the LCT2 is detected.
		<ul style="list-style-type: none"> • Connector on the harness between PSU and PCB on LCT2 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		<ul style="list-style-type: none"> • Reconnect the connector on the harness between PSU and PCB on LCT2. • Replace the harness • Replace the PSU. • Replace the PCB. • Replace the harness/actuator.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-05	B	LCT2: PSU Cooling Fan 1 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 1 on the LCT2 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 1 on the LCT2 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT2. • Replace the harness • Replace the PSU. • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-06	B	LCT2: PSU Cooling Fan 2 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 2 on the LCT2 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 2 on the LCT2 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT2. • Replace the harness • Replace the PSU. • Replace the PCB

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-07	B	LCT2: Bridge Unit Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the cooling fan on the bridge unit of LCT2 is ON.
		<ul style="list-style-type: none"> • Cooling fan defective • Connector disconnected • Harness broken • PCB on the LCT2 defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the cooling fan. • Replace the harness • Replace the PCB on the LCT2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-08	B	LCT2: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT2 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT2 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT2. • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-09	B	LCT2: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT2 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT2 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT2. • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-50	D	LCT2: Connection configuration error (LCT not connected)
		LCT3 is detected while LCT2 is not installed.
		<ul style="list-style-type: none"> • The interface harness on the LCT1 broken • The interface harness on the LCT2 broken • PCB on the LCT1 defective • PCB on the LCT2 defective
		<ul style="list-style-type: none"> • Replace the interface harness on the LCT1 • Replace the interface harness on the LCT2 • Replace the PCB on the LCT1 • Replace the PCB on the LCT2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-51	D	LCT2: Connection configuration error (Bridge unit connection error)
		Without LCT3, the bridge unit is connected to LCT2.
		<ul style="list-style-type: none"> • The bridge unit is connected to LCT2 in double LCT configuration. • The interface harness on the LCT3 disconnected • Power cord of the LCT3 disconnected • PSU on the LCT3 defective
		<ul style="list-style-type: none"> • Remove the bridge unit from the LCT2. • Reconnect the interface harness connector on the LCT3. • Plug the power cord of the LCT3. • Replace the PSU on the LCT3.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC781-52	D	LCT2: Connection configuration error (Multi bypass tray connection error)
		The multi bypass tray is connected to LCT2.
		The multi bypass tray is connected to LCT2.
		Remove the multi bypass tray from the LCT2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-03	B	LCT3: Protection device break error
		The fuse blown signal "H (error)" of the fuse on the PSU/PCB in the LCT3 is detected.
		<ul style="list-style-type: none"> • Connector on the harness between PSU and PCB on LCT3 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		<ul style="list-style-type: none"> • Reconnect the connector on the harness between PSU and PCB on LCT3. • Replace the harness • Replace the PSU. • Replace the PCB • Replace the harness/actuator

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-05	B	LCT3: PSU Cooling Fan 1 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 1 on the LCT3 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 1 on the LCT3 defective • Connector disconnected • Harness broken • PCB defective • PSU1 defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT3. • Replace the harness • Replace the PCB • Replace the PSU2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-06	B	LCT3: PSU Cooling Fan 2 error
		Cooling fan alarm "H (error)" is detected while the PSU Cooling Fan 2 on the LCT3 is ON.
		<ul style="list-style-type: none"> • PSU Cooling Fan 2 on the LCT3 defective • Connector disconnected • Harness broken • PCB defective • PSU2 defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the PSU Cooling Fan 2 on the LCT3. • Replace the harness • Replace the PCB. • Replace the PSU2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-08	B	LCT3: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT3 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT3 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT3. • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-09	B	LCT3: Transport Motor Cooling Fan error
		Cooling fan alarm "H (error)" is detected while the Transport Motor Cooling Fan on the LCT3 is ON.
		<ul style="list-style-type: none"> • Transport Motor Cooling Fan on the LCT3 defective • Connector disconnected • Harness broken • PCB defective
		<ul style="list-style-type: none"> • Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT3. • Replace the harness • Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-51	D	LCT3: Connection configuration error (Bridge unit connection error)
		The bridge unit is connected to LCT3.
		The bridge unit is connected to LCT3 in triple LCT configuration.
		Remove the bridge unit from the LCT3.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC782-52	D	LCT3: Connection configuration error (Multi bypass tray connection error)
		The multi bypass tray is connected to LCT3.
		The multi bypass tray is connected to LCT3.
		Remove the multi bypass tray from the LCT3.

RPIP Interface Box

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC790-10	D	EEPROM download error
		CRC error occurred 4 times when downloading data from EEPROM.
		<ul style="list-style-type: none">• Last parameter writing was failed.• Board on the RPIP Interface Box defective
		<ol style="list-style-type: none">1. Turn power off/on.2. If the problem was not solved in Step 1, execute parameter writing again.3. If the problem was not solved in Step 2, replace the board on the RPIP Interface Box.

SC800 (Controller)

SC816 to SC899

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816-00	[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, 06	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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816-36 to 94	D	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.
		<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
SC817-00	B	Monitoring error: file detection / digital signature check error
		<ul style="list-style-type: none"> • The boot loader on the controller board could not load any of the files such as the diagnostic module, the kernel and the root file system. • The boot loader failed to the signature recognition in the SD card of any diagnostic module, the kernel and the root file system.
		<ul style="list-style-type: none"> • The OS FlashROM on the controller on the board is damaged or does not exist. • The files of on the SD card such as diagnostic module, the kernel and the root file system are damaged or do not exist. • The files on the SD card such as diagnostic module, the kernel and the root file system have been tampered.
		<ul style="list-style-type: none"> • Replace the controller board. • Use a boot SD card with 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]	HAIC-P2 error
		HAIC-P2 decompression error (An error occurred in the ASIC compression/decompression module.)
		<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]	Link up error
		RESUME:PCI-Express bus ROOT_DL status error
		RESUME:PCI-Express bus DETUP status error
		"0x53554D45" -> Link up error
		<ul style="list-style-type: none"> • Turn the main power off/on. • Replace the controller board or the engine board (IPU, BICU)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
	[0x5355]	L2 status time out
		SUSPEND:PCI-Express L2 Status Check Error "0x5350454E44" -> L2 status time out
		<ul style="list-style-type: none"> • Turn the main power off/on. • Replace the controller board or the engine board (IPU, BICU)
	[0x6261]	HDD defective
		6261 6420 6469 7200 00 -> "bad dir"
		Replace the HDD.
	[0x696e]	gwinit processing end
		If the SCS process is ended for some reason
		If an unexpected error occurs at SCS processing end, gwint 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"> • Turn the main power off/on. • Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-01	B	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.
		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	B	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
SC844-01	C	Data Transfer Unit: Underrun error during data transfer
		Fiery controller could not transfer the image data to the Data Transfer Unit within the specified time.
		<ul style="list-style-type: none"> • Fiery controller (EFI) is unable to prepare the image data. • Communication error of the Data Transfer Unit Cable. • Operation error of the Data Transfer Unit. • Data Transfer Unit defective • Communication error between the Fiery controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status of the Data Transfer Unit Cable. 2. Replace the Data Transfer Unit Cable. 3. Updated software of the Fiery controller (EFI). 4. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-02	D	Data Transfer Unit: Overrun error during data transfer
		The amount of data to be transferred to the Data Transfer Unit from Fiery controller has exceeded the prescribed amount.
		<ul style="list-style-type: none"> • Operation error of the Fiery controller • Fiery controller defective • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the Fiery controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status of the Data Transfer Unit Cable. 2. Replace the Data Transfer Unit Cable. 3. Update the software of the Fiery controller (EFI). 4. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-03	C	Data Transfer Unit: CRC error
		When confirming the CRC value of the image data transferred from the Fiery controller to the Data Transfer Unit, the predetermined number of mismatches was detected.
		<ul style="list-style-type: none"> • Operation error of the Fiery controller • Communication error of the Data Transfer Unit Cable. • Operation error of the Data Transfer Unit • Data Transfer Unit defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status of the Data Transfer Unit Cable. 2. Replace the Data Transfer Unit Cable. 3. Updated software of the Fiery controller (EFI). 4. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-04	D	Data Transfer Unit: DE time-out error
		When the Fiery controller from issuing the FGATE notification to the Data Transfer Unit, the Data Transfer Unit did not complete the image transfer of one page within 2 seconds.
		<ul style="list-style-type: none"> • Fiery controller is unable to prepare the image data. • Operation error of the Fiery controller • Fiery controller defective • Communication error of the Data Transfer Unit Cable. • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the Fiery controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status of the Data Transfer Unit Cable. 2. Replace the Data Transfer Unit Cable 3. Updated software of the Fiery controller (EFI). 4. Replace the Data Transfer Unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-05	D	Data Transfer Unit: Time-out error of initialization
		During booting the main machine the GW controller performs an initialization command to the Data Transfer Unit. Then the GW controller could not detect the completion notification of the initialization from the Data Transfer Unit within a specified time.
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the GW controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, replace the Data Transfer Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-06	D	Data Transfer Unit: Calibration time-out error
		The GW controller directs the Data Transfer Unit for the calibration run. Then the GW controller could not detect the completion notification of the calibration from the Data Transfer Unit within a specified time.
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Communication error between the GW controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, replace the Data Transfer Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-07	C	Data Transfer Unit: DMA transfer error
		The calibration synchronization process between the Fiery controller and the Data Transfer Unit could not complete DMA transfer (PCIe).
		<ul style="list-style-type: none"> • PCIe defective • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Operation error of the the GW controller board • GW controller board defective • Communication error between the Fiery controller and the Data Transfer Unit
		<ul style="list-style-type: none"> • Turn the main power off/on. <ol style="list-style-type: none"> 1. If the system cannot recover, deal in the following order. 2. Check the connection status between the GW controller and the Data Transfer Unit. 3. Replace the Data Transfer Unit. 4. Replace the GW controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-08	D	Data Transfer Unit: V-by-One lock error
		When starting prints the V-by-One I/F connection between the Fiery controller and the Data Transfer Unit was incomplete.
		<ul style="list-style-type: none"> • Data Transfer Unit Cable damaged. • Erroneous connection of the connector port A and B of the Data Transfer Unit Cable • Operation error of the Data Transfer Unit • Data Transfer Unit defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status of the Data Transfer Unit Cable. 2. Replace the Data Transfer Unit Cable 3. Replace the Data Transfer Unit. 4. Replace the printer interface board on the Fiery controller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-09	D	Data Transfer Unit: Flash ROM error
		When booting the Data Transfer Unit the Flash ROM could not be detected.
		<ul style="list-style-type: none"> • Reaching the lifetime of the Flash ROM on the Data Transfer Unit • Operation error of the Data Transfer Unit • Data Transfer Unit defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, replace the Data Transfer Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-10	D	Data Transfer Unit: Image processing parameter error
		The calibration data that has been transferred to the Data Transfer Unit from the Fiery controller was damaged.
		<ul style="list-style-type: none"> • Operation error of the Fiery controller • Fiery controller defective • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Operation error of the the GW controller board
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Update software of the Fiery controller. 2. Replace the Data Transfer Unit. 3. Replace the GW controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-11	C	Data Transfer Unit: IBACC data error
		The data of IBACC information that has been transmitted from the Data Transfer Unit to the BCU was damaged.
		<ul style="list-style-type: none"> • Communication error between the BCU and the Data Transfer Unit. • Operation error of the BCU • Operation error of the Data Transfer Unit • Data Transfer Unit defective • Operation error of the P sensor.
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, deal in the following order. <ol style="list-style-type: none"> 1. Check the connection status between the BCU and the Data Transfer Unit. 2. Replace the Data Transfer Unit. 3. Replace the BCU. 4. Replace the ID/MUSIC sensors (TM/P sensors).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC844-12	D	Data Transfer Unit: Memory error
		When booting the Data Transfer Unit board the error was detected in memory read and write test.
		<ul style="list-style-type: none"> • Operation error of the Data Transfer Unit • Data Transfer Unit board defective
		<ul style="list-style-type: none"> • Turn the main power off/on. • If the system cannot recover, replace the Data Transfer Unit

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC853-00	B	Bluetooth device connection error
		The Bluetooth hardware (USB type) was connected after the machine was turned on.
		The Bluetooth hardware (USB type) was connected after the machine was turned on.
		Always connect the Bluetooth device (USB type) before the machine is turned on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC854-00	B	Bluetooth device disconnected
		The Bluetooth hardware (USB type) was disconnected after the machine was turned on.
		The Bluetooth hardware (USB type) was disconnected after the machine was turned on.
		Never remove Bluetooth (USB type) after machine starts

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 wireless LAN board

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 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 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
		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.
		NVRAM defective
		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.
		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 HDD connection. • Format the HDD. • 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 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 HDD connection. • Format the HDD. • 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 HDD connection. • Format the HDD. • If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC860-00	B	HDD startup error at main power on (HDD error)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<ul style="list-style-type: none"> • The HDD is connected but the driver detected the following errors. <ul style="list-style-type: none"> • SS_NOT_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 <p>Format the HDD through SP mode.</p>

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 disklabel area.)
		<p>Guide for when to replace the HDD</p> <ol style="list-style-type: none"> 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. 2. It takes a long time after main power on for the operation panel to become ready. <p>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	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "a" (SC863-02) to partition "v" (SC863-23)).
		<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. <p>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
SC864-01	D	HDD data CRC error
		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.
		Bad sectors were generated during operation. (An error occurred in an area that does not belong to a partition, such as the disklabel area.)
		<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	HDD data CRC error
		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.
		Bad sectors were generated during operation. (An error occurred in partition "a" (SC864-02) to partition "v" (SC864-23)).
		<ul style="list-style-type: none"> • Format the HDD. • Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-01	D	HDD access error
		During HDD operation, the HDD returned an error.
		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 disklabel area.)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-02 to 23	D	HDD access error
		During HDD operation, the HDD returned an error.
		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)).
		Replace the HDD.

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
SC867-01	D	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	D	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
SC868-01	D	SD card access error
		The SD controller returned an error during operation. (An error occurred at the mount point of /mnt/sd1)
		<ul style="list-style-type: none"> • SD card defective • SD controller defective
		<p>SD card that starts an application</p> <ul style="list-style-type: none"> • Turn the main power off and check the SD card insertion status. <ul style="list-style-type: none"> • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, replace the SD card. • SD card for users <ul style="list-style-type: none"> • In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* • In case of a device access error, turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, use another SD card. • 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
SC868-02	D	SD card access error
		The SD controller returned an error during operation. (An error occurred at the mount point of /mnt/sd1)
		<ul style="list-style-type: none"> • SD card defective • SD controller defective
		SD card that starts an application <ul style="list-style-type: none"> • Turn the main power off and check the SD card insertion status. <ul style="list-style-type: none"> • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, replace the SD card. • SD card for users <ul style="list-style-type: none"> • In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* • In case of a device access error, turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, use another SD card. • 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
SC870-00	B	Address Book data error (Anytime: Address Book Error.)
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.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
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.)
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 FlashROM.)
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.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
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.)
SC870-53	B	Address Book data error (Encryption settings: Failed to convert from encrypted text to 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).)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		<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. <ul style="list-style-type: none"> • Check the HDD connection. • Initialize all UCS settings and address/authentication information (SP5-846-046). • Initialize the Address Book partition (SP5-832-006).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC872-00	B	<p>HDD mail reception error</p> <p>An error was detected on the HDD immediately after the machine was turned on.</p> <ul style="list-style-type: none"> • HDD defective • Power was turned of while the machine used the HDD. <ul style="list-style-type: none"> • Format the HDD (SP5-832-007). • 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 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 of while the machine used the HDD.
		<ul style="list-style-type: none"> • Format the HDD (SP5-832-007). • Replace the HDD. <p>When you do the above, the following information will be initialized.</p> <ul style="list-style-type: none"> • Default sender name/password (SMB/FTP/NCP) • Administrator mail address • Scanner delivery history

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. • 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. 3. Turn off the main power. 4. Connect the HDD and turn on the main power. 5. Execute SP5-832-004. 6. Turn off the main power. * The following step is to configure the logging/encryption setting again. 7. Turn of the main power. 8. Set SP9-730-002 through -004 to 1. 9. Turn off/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). • 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
SC877-00	B	Data Overwrite Security card error
		The "Auto Erase Memory" function of the Data Overwrite Security is set to on but it cannot be done.
		<ul style="list-style-type: none"> • Data Overwrite Security option SD card is broken. • Data Overwrite Security option SD card has been removed.
		<ul style="list-style-type: none"> • If the SD card is broken, prepare a new Data Overwrite Security option SD card and replace the NVRAM. • If the SD card has been removed, turn the main power off and reinstall a working Data Overwrite Security option SD card.

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 dffof
		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
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.
		<p>In case of a hardware defect</p> <ul style="list-style-type: none"> • Replace the hardware. <p>In case of a software error</p> <ul style="list-style-type: none"> • Turn the main power off/on. • Try updating the firmware.

SC900 (Engine: Others)

SC989, SC995

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC989-00	D	Power failure during the engine memory clearance
		This SC is issued when the machine is turned on first time after power failure occurred during the engine memory clearance (SP-801-002).
		Power failure occurred during the engine memory clearance.
		Cycle the machine off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-01	D	PPM setting error
		Comparison of machine serial number (11 digits) and machine identification code.
		Machine serial number (11 digits) and machine identification code do not match. <ul style="list-style-type: none"> Machine serial number cannot be identified because of BCU replacement or malfunctioning.
		<ul style="list-style-type: none"> Enter the serial number and destination code of the machine, and then turn the power on/off. Contact your supervisor for details on how to enter the serial number and destination code. Attach the NV-RAM that was installed previously.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-02	D	PPM setting error
		Comparison of machine serial number (11 digits) and machine identification code.
		Machine serial number (11 digits) and machine identification code do not match. <ul style="list-style-type: none"> Machine serial number cannot be identified because of NV-RAM replacement or malfunctioning.
		<ul style="list-style-type: none"> Install a new replacement NV-RAM (Novita), enter the serial number and destination code of the machine, and turn the power on/off. Then download data on the NV-RAM using SP5-825-001. Contact your supervisor for details on how to enter the serial number and destination code. Attach the NV-RAM that was installed previously.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-03	D	PPM setting error
		Comparison of machine serial number (11 digits) and machine identification code.
		Machine serial number (11 digits) and machine identification code do not match. <ul style="list-style-type: none"> Unable to recognize machine identification code because the controller was replaced incorrectly or is malfunctioning.
		<ul style="list-style-type: none"> Replace it with a specified controller. Attach the controller that was installed previously.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-04	D	PPM setting error
		Comparison of machine serial number (11 digits) and machine identification code.
		Machine serial number (11 digits) and machine identification code do not match. <ul style="list-style-type: none"> • Multiple parts (Controller/NV-RAM/BCU) failed simultaneously. • Multiple parts (Controller/NV-RAM/BCU) have been incorrectly replaced or configured simultaneously.
		Return the parts to the original configuration, and then replace them according to the manual.

SC900 (Controller)

SC900 to SC919, SC992, SC994, SC998

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC900-00	D	Electrical total counter error
		The total counter contains data that is not a number.
		<ul style="list-style-type: none"> • NVRAM incorrect type • NVRAM defective or corrupted • Unexpected error from external source • When PRT received signals at SRM, the requested count did not complete.
		Replace the NVRAM.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC910-00	B	External controller error 1
SC911-00	B	External controller error 2
SC912-00	B	External controller error 3
SC913-00	B	External controller error 4
SC914-00	B	External controller error 5
		The external controller alerted the machine about an error.
		Refer to the instructions for the external controller
		Turn the main power off/on.

SC No.	Level	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, or BREAK signal from the other station was detected.
		<ul style="list-style-type: none"> • Controller power outage • Controller rebooted • Connection to controller loose
		Turn the main power off/on.

Here is a list of HDD status codes:

Display	Meaning
(-1)	HDD not connected
(-2)	HDD not ready
(-3)	No label
(-4)	Partition type incorrect
(-5)	Error returned during label read or check
(-6)	Error returned during label read or check
(-7)	"filesystem" repair failed
(-8)	"filesystem" mount failed
(-9)	Drive does not answer command
(-10)	Internal kernel error
(-11)	Size of drive is too small
(-12)	Specified partition does not exist
(-13)	Device file does not exist

Recovery from SC 925

Procedure 1

1. If the machine shows SC codes for HDD errors (SC860 to SC865) with SC 925, do the recovery procedures for SC860 to SC865.

Procedure 2

1. If the machine does not show one of the five HDD errors (SC860 to SC865), turn the machine power off and on.
2. If this is not the solution for the problem, then initialize the NetFile partition on the HDD with SP5-832-11 (HDD Formatting - Ridoc I/F).

NetFiles: These are jobs printed from the document server using a PC and DeskTopBinder. Before you initialize the NetFile partition on the HDD, tell the customer:

- Received faxes on the delivery server will be erased
 - All captured documents will be erased
 - Desk Top Binder/Print Job Manager/Desk Top Editor job history will be erased
 - Documents on the document server, and scanned documents, will not be erased.
 - The first time that the network gets access to the machine, the management information must be configured again (this will use a lot of time).
3. Before you initialize the Netfile partition with SP5-832-11, do these steps:
 4. In the User Tools mode, do Document Management> Batch Delete Transfer Documents.
 5. Do SP5-832-11, and turn the machine off and on.

Procedure 3

1. If "Procedure 2" is not the solution for the problem, do SP5-832-1 (HDD Formatting - All)
2. Cycle the machine off/on.

Note

- SP5-832-001 erases all document and address book data on the hard disks. Consult with the customer before you do this SP code.

Procedure 4

1. If "Procedure 3" does not solve the problem, replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC992-00	D	Undefined Error
		An undefined error occurred.
		<ul style="list-style-type: none"> • Software bug • There is a short circuit on the IOB1/2 PCB.
		<ol style="list-style-type: none"> 1. Turning the main power switch off and on. 2. If the SC persists, replace IOB1 or IOB2.

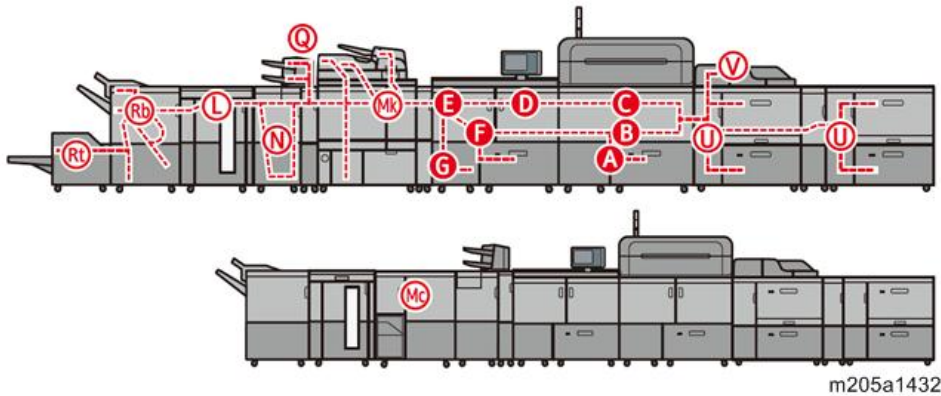
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC994-00	C	Application Item Error
		The numbers of executed application items on the operation panel reach the maximum limit for the operation panel structure.
		Too many executed application items
		Logging only

SC No.	Level	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.

Jam Detection

Jam Displays

When a jam occurs, the location is displayed on the operation panel.



Removing Jammed Paper

⚠ CAUTION

- When removing jammed paper, avoid touching components outside the area where the paper has stopped. Some parts inside the machine become very hot and can cause minor burns if they are touched.

↓ Note

- Do not turn the machine off when you remove a paper jam. If you turn the machine off, this will clear all the job settings.
- Always remove paper carefully to prevent it from tearing and leaving paper scraps in the machine. Paper scraps left behind can cause other paper jams or damage the machine.
- If jam displays keep occurring for the same location, carefully check around the location for obstacles in the paper path.

Always follow the instructions and procedures about paper jam removal described on the decals affixed to the machine. These decals are affixed to back of the door of the main machine, and also provided on peripheral units.

Printer Engine Jam History

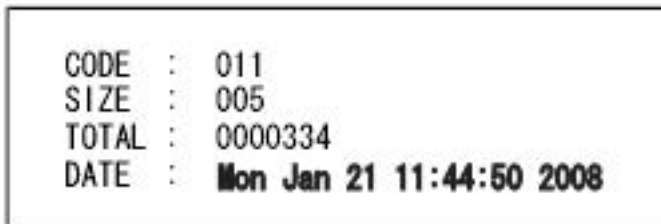
How to check

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

Display



```
CODE : 011
SIZE : 005
TOTAL : 0000334
DATE : Mon Jan 21 11:44:50 2008
```

- 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 Display Codes

↓ Note

- Jam code: Shows which sensor detected the jam. Appears in the log data.
- Display code: Shows the location of a jam. Appears on the operation panel.

Main Machine

↓ Note

- When the jam occurs, papers which can be transferred to purge areas are shunted to the purge areas. In this case, display code does not match the jam code in the table below.

Jam code	Jam description	Display code
0	Jam Release	-
1	Standby Jam (Initial)	-
2	Paper Feed Sensor (Tray 1)	A1, A2
3	Paper Feed Sensor (Tray 2)	G1, G2
9	Vertical Transport Sensor 1 (Tray 1)	A1
10	Vertical Transport Sensor 2 (Tray 1)	A1
11	Vertical Transport Sensor 1 (Tray 2)	G1
12	Vertical Transport Sensor 2 (Tray 2)	G1
14	Paper Transport Sensor 1	F3
15	Paper Transport Sensor 2	F4
16	Paper Transport Sensor 3	F4
17	Paper Transport Sensor 4	B1
18	Paper Transport Sensor 5	B2
19	Paper Transport Sensor 6	B3
20	Paper Transport Sensor 7	B4
21	Registration Entrance Sensor 1	C1
22	Registration Entrance Sensor 2	C1

Jam code	Jam description	Display code
23	Registration Entrance Sensor 3	C1
25	LCT Relay Sensor	C1
26	Registration Timing Sensor	C1, C2
27	Pre-registration Adjustment Error	-
28	Registration Relay Sensor	C2
29	PTR Timing Sensor	C2
30	Separation Jam	-
31	PTB Transport Sensor 1	C3
32	PTB Transport Sensor 2	C3
33	PTB Transport Sensor 3	C3, D3
34	PTB Transport Sensor 4	C3, D3
36	Fusing Exit Sensor	D1, D2, D4, E1
38	De-curler Entrance Sensor	E1, E2
39	De-curler Exit Sensor	E2
40	Paper Exit Inverter Sensor	F1
41	Duplex Inverter Sensor	F1
42	Paper Exit Sensor	E3
44	Duplex Transport Sensor 1	F2
45	Duplex Transport Sensor 2	F2
47	Sub Registration Adjustment Error	-
48	Sensor ON Not Detected	-
52	Paper Feed Sensor (Tray 1)	A1, A2
53	Paper Feed Sensor (Tray 2)	G1, G2
59	Vertical Transport Sensor 1 (Tray 1)	A1
60	Vertical Transport Sensor 2 (Tray 1)	A1

Jam code	Jam description	Display code
61	Vertical Transport Sensor 1 (Tray 2)	G1
62	Vertical Transport Sensor 2 (Tray 2)	G1
64	Paper Transport Sensor 1	F3
65	Paper Transport Sensor 2	F4
66	Paper Transport Sensor 3	F4
67	Paper Transport Sensor 4	B1
68	Paper Transport Sensor 5	B2
69	Paper Transport Sensor 6	B3
70	Paper Transport Sensor 7	B4
71	Registration Entrance Sensor 1	C1
72	Registration Entrance Sensor 2	C1
73	Registration Entrance Sensor 3	C1
75	LCT Relay Sensor	C1
76	Registration Timing Sensor	C1, C2
78	Registration Relay Sensor	C2
79	PTR Timing Sensor	C2
81	PTB Transport Sensor 1	C3
82	PTB Transport Sensor 2	C3
83	PTB Transport Sensor 3	C3, D3
84	PTB Transport Sensor 4	C3, D3
86	Fusing Exit Sensor	D1, D2, D4, E1
88	De-curler Entrance Sensor	E1, E2
89	De-curler Exit Sensor	E2
90	Paper Exit Inverter Sensor	F1
91	Duplex Inverter Sensor	F1

Jam code	Jam description	Display code
92	Paper Exit Sensor	E3
94	Duplex Transport Sensor 1	F2
95	Duplex Transport Sensor 2	F2
97	Over Skew	-
98	Over Shift	-
99	Double-feed	-
-	Fusing Exit Sensor (Back)	D1, D2, D4, E1
-	Accordion Jam Sensor	D1, D2, D4, E1
-	Paper Cooling Unit	E1
-	Purge Tray Paper Sensor	G3

Multi Bypass Tray BY5010

Jam code	Jam description	Display code
6	Bypass Feed Sensor	V
7	Bypass Transport Sensor	U8, V
56	Bypass Feed Sensor	V
57	Bypass Transport Sensor	U8, V

Vacuum Feed LCIT RT5100

Vacuum Feed LCIT RT5100 1

Jam code	Jam description	Display code
430	LCT1 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2
431	LCT1 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
432	LCT1 Transport Sensor (Tray 1)	U
433	LCT1 Transport Sensor (Tray 2)	U

Jam code	Jam description	Display code
434	LCT1 Vertical Transport Sensor (Tray 1)	U
435	LCT1 Vertical Transport Sensor (Tray 2)	U
436	LCT1 Bypass Transport Sensor	U8, V
437	LCT1 Exit Sensor	U
470	LCT1 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2
471	LCT1 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
472	LCT1 Transport Sensor (Tray 1)	U
473	LCT1 Transport Sensor (Tray 2)	U
474	LCT1 Vertical Transport Sensor (Tray 1)	U
475	LCT1 Vertical Transport Sensor (Tray 2)	U
476	LCT1 Bypass Transport Sensor	U8, V
477	LCT1 Exit Sensor	U

*1 Paper tray 1 or vacuum feed banner sheet tray is displayed on the operation panel.

*2 Paper tray 2 is displayed on the operation panel.

Vacuum Feed LCIT RT5100 2

Jam code	Jam description	Display code
445	LCT2 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2
446	LCT2 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
447	LCT2 Transport Sensor (Tray 1)	U
448	LCT2 Transport Sensor (Tray 2)	U
449	LCT2 Vertical Transport Sensor (Tray 1)	U
450	LCT2 Vertical Transport Sensor (Tray 2)	U
451	-	-
452	LCT2 Exit Sensor	U
485	LCT2 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2

Jam code	Jam description	Display code
486	LCT2 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
487	LCT2 Transport Sensor (Tray 1)	U
488	LCT2 Transport Sensor (Tray 2)	U
489	LCT2 Vertical Transport Sensor (Tray 1)	U
490	LCT2 Vertical Transport Sensor (Tray 2)	U
491	-	-
492	LCT2 Exit Sensor	U

*1 Paper tray 1 or vacuum feed banner sheet tray is displayed on the operation panel.

*2 Paper tray 2 is displayed on the operation panel.

Vacuum Feed LCIT RT5100 3

Jam code	Jam description	Display code
460	LCT3 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2
461	LCT3 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
462	LCT3 Transport Sensor (Tray 1)	U
463	LCT3 Transport Sensor (Tray 2)	U
464	LCT3 Vertical Transport Sensor (Tray 1)	U
465	LCT3 Vertical Transport Sensor (Tray 2)	U
466	-	-
467	LCT3 Exit Sensor	U
500	LCT3 Paper Feed Sensor (Tray 1)	No Code ^{*1} , U2
501	LCT3 Paper Feed Sensor (Tray 2)	No Code ^{*2} , U5
502	LCT3 Transport Sensor (Tray 1)	U
503	LCT3 Transport Sensor (Tray 2)	U
504	LCT3 Vertical Transport Sensor (Tray 1)	U
505	LCT3 Vertical Transport Sensor (Tray 2)	U

Jam code	Jam description	Display code
506	-	-
507	LCT3 Exit Sensor	U

*1 Paper tray 1 or vacuum feed banner sheet tray is displayed on the operation panel.

*2 Paper tray 2 is displayed on the operation panel.

Bridge Unit BU5010

Bridge Unit BU5010 1

Jam code	Jam description	Display code
438	LCT1 Connect Entrance Sensor	No Code ^{*1} , U11, U
439	LCT1 Connect Exit Sensor	No Code ^{*1} , U11
440	LCT1 Horizontal Transport Entrance Sensor	No Code ^{*2} , U10
441	LCT1 Horizontal Transport Middle Sensor	No Code ^{*2} , U10
442	LCT1 Horizontal Transport Exit Sensor	No Code ^{*2} , U10
478	LCT1 Connect Entrance Sensor	No Code ^{*1} , U11, U
479	LCT1 Connect Exit Sensor	No Code ^{*1} , U11
480	LCT1 Horizontal Transport Entrance Sensor	No Code ^{*2} , U10
481	LCT1 Horizontal Transport Middle Sensor	No Code ^{*2} , U10
482	LCT1 Horizontal Transport Exit Sensor	No Code ^{*2} , U10

*1 Bridge unit is displayed on the operation panel.

*2 The horizontal transport unit of the vacuum feed LCIT is displayed on the operation panel.

Bridge Unit BU5010 2

Jam code	Jam description	Display code
453	LCT2 Connect Entrance Sensor	No Code ^{*1} , U11, U
454	LCT2 Connect Exit Sensor	No Code ^{*1} , U11
455	LCT2 Horizontal Transport Entrance Sensor	No Code ^{*2} , U10

Jam code	Jam description	Display code
456	LCT2 Horizontal Transport Middle Sensor	No Code ^{*2} , U10
457	LCT2 Horizontal Transport Exit Sensor	No Code ^{*2} , U10
493	LCT2 Connect Entrance Sensor	No Code ^{*1} , U11, U
494	LCT2 Connect Exit Sensor	No Code ^{*1} , U11
495	LCT2 Horizontal Transport Entrance Sensor	No Code ^{*2} , U10
496	LCT2 Horizontal Transport Middle Sensor	No Code ^{*2} , U10
497	LCT2 Horizontal Transport Exit Sensor	No Code ^{*2} , U10

*1 Bridge unit is displayed on the operation panel.

*2 The horizontal transport unit of the vacuum feed LCIT is displayed on the operation panel.

Finisher SR5060/5050

Jam code	Jam description	Display code
100	Door open jam	Rb1-5
101	Display non-performing jam	Rb1-5
102	Disable paper stop jam	Rb1-5
103	Software internal error	Rb1-5
104	Entrance: Late Jam	Rb1-5
105	Entrance: Lag Jam	Rb1-5
106	Proof Tray Exit: Late Jam	Rb1-5
107	Proof Tray Exit: Lag Jam	Rb1-5
108	Shift Tray Exit: Late Jam	Rb1-5
109	Shift Tray Exit: Lag Jam	Rb1-5
110	Stapler Exit: Late Jam	Rb6-9
111	Stapler Exit: Lag Jam	Rb10-17 ^{*1}
112	Pre-stack Tray: Late Jam	Rb6-9

Jam code	Jam description	Display code
113	Pre-Stack Tray: Lag Jam	Rb6-9
114	Output	Rb10-17 ^{*1}
115	Booklet Stapler: Late Jam	Rb10-17 ^{*2}
116	Booklet Stapler: Lag Jam	Rb10-17 ^{*2}
117	Booklet Stapler Exit: Late Jam	Rb10-17 ^{*2}
118	Booklet Stapler Exit: Lag Jam	Rb10-17 ^{*2}
119	Paper Transport Path	Rb1-5
120	Shift Tray Drive Mechanism	Rb1-5
121	Jogger Drive Mechanism	Rb10-17 ^{*1}
122	Shift Tray Mechanism	Rb1-5
123	Stapler Drive Mechanism	Rb10-17 ^{*1}
124	Output Drive Mechanism	Rb10-17 ^{*1}
125	Punch Drive Mechanism	Rb1-5
126	Stack Jogger	Rb10-17 ^{*1}
127	Pre-stack Drive Mechanism	Rb6-9
128	Stacking Mechanism	Rb10-17 ^{*2}
129	Booklet Stapling Mechanism	Rb10-17 ^{*2}
130	Booklet Folding Mechanism	Rb10-17 ^{*2}

*1 Rb12-13 is displayed if Finisher SR5050 is installed.

*2 Not displayed if Finisher SR5050 is installed.

Cover Interposer Tray CI5030

Jam code	Jam description	Display code
150	Door open jam	Q3-4
151	Display non-performing jam	Q3-4

Jam code	Jam description	Display code
152	Disable paper stop jam	Q3-4
153	Software internal error	Q3-4
154	1st Feed Sensor: Late Jam	Q1
155	1st Feed Sensor: Lag Jam	Q1
156	2nd Feed Sensor: Late Jam	Q2
157	2nd Feed Sensor: Lag Jam	Q2
158	1st Transport sensor late jam	Q3-4
159	1st Transport sensor lag jam	Q3-4
160	2nd Transport sensor late jam	Q3-4
161	2nd Transport sensor lag jam	Q3-4
162	1st Vertical transport sensor late jam	Q3-4
163	1st Vertical transport sensor lag jam	Q3-4
164	2nd Vertical transport sensor late jam	Q3-4
165	2nd Vertical transport sensor lag jam	Q3-4
166	Vertical Exit Sensor: Late Jam	Q3-4
167	Vertical Exit Sensor: Lag Error	Q3-4
168	Entrance Sensor: Late Error	Q3-4
169	Entrance Sensor: Lag Error	Q3-4
170	Exit Sensor: Late Error	Q3-4
171	Exit Sensor: Lag Error	Q3-4
172	Insert timing late jam	Q3-4
173	1st Lift Motor Drive Mechanism	Q1
174	2nd Lift Motor Drive Mechanism	Q2
175	1st Pick-up Motor Drive Mechanism	Q1
176	2nd Pick-up Motor Drive Mechanism	Q2

Plockmatic Bookletmaker

Jam code	Jam description	Display code
194	Plockmatic Bookletmaker Jam	Displayed by main machine

GBC Stream Punch Ultra

Jam code	Jam description	Display code
199	GBC Stream Punch Ultra Jam	Displayed by main machine

Trimmer Unit TR5040

Jam code	Jam description	Display code
200	Door open jam	Rt1-2
201	Display non-performing jam	Rt1-2
202	Disable paper stop jam	Rt1-2
203	Software internal error	Rt1-2
204	Entrance Sensor: Late Jam	Rt1-2
205	Entrance Sensor: Lag Jam	Rt1-2
206	Skew Sensor: Late Jam	Rt1-2
207	Skew Sensor: Lag Jam	Rt1-2
208	Exit Sensor: Late Jam	Rt1-2
209	Exit Sensor: Lag Jam	Rt1-2
210	Cutter motor lock	Rt1-2
211	Cut position motor	Rt1-2
212	Pressure roller	Rt1-2
213	Stopper/pressure roller	Rt1-2

Jam code	Jam description	Display code
214	Tray motor	Rt1-2

RPIP Interface Box Type S3

Jam code	Jam description	Display code
220	Display non-performing jam	Displayed by third party vendor peripherals
221	Disable paper stop jam	Displayed by third party vendor peripherals
222	Software internal error	Displayed by third party vendor peripherals
223	DFD jam	Displayed by third party vendor peripherals
224	Emergency stop jam	Displayed by third party vendor peripherals
225	DFD communication error	Displayed by third party vendor peripherals

Multi-Folding Unit FD5020

Jam code	Jam description	Display code
250	Door open jam	N1-N5
251	Display non-performing jam	N1-N5
252	Disable paper stop jam	N1-N5
253	Software internal error	N1-N5
254	Entrance Sensor: Late Jam	N1-N5
255	Entrance Sensor: Lag Jam	N1-N5
256	Top Tray Exit: Late Jam	N1-N5
257	Top Tray Exit: Lag Jam	N1-N5

Jam code	Jam description	Display code
258	Horizontal Path Exit: Late Jam	N1-N5
259	Horizontal Path Exit: Lag Jam	N1-N5
260	1st Stopper: Late Jam	N6-N22
261	1st Stopper: Lag Jam	N6-N22
262	2nd Stopper: Late Jam	N6-N22
263	2nd Stopper: Lag Jam	N6-N22
264	3rd Stopper: Late Jam	N6-N22
265	3rd Stopper: Lag Jam	N6-N22
266	Registration Correction Jam	N6-N22
267	Top Tray Path Jam	N1-N5
268	Entrance JG Motor Jam	N1-N5
269	1st Stopper Motor Jam	N6-N22
270	2nd Stopper Motor Jam	N6-N22
271	3rd Stopper Motor Jam	N6-N22
272	Dynamic Roller Lift Motor Jam	N6-N22
273	Registration Roller Release Motor Jam	N6-N22
274	Fold Plate Motor Jam	N6-N22
275	Jogger Fence Motor Jam	N6-N22
276	Direct-Send JG Motor Jam	N6-N22
277	FM6 Pawl Motor Jam	N6-N22

High Capacity Stacker SK5030

High Capacity Stacker SK5030 1

Jam code	Jam description	Display code
300	Entrance: Late Jam	L1-5

Jam code	Jam description	Display code
301	Entrance: Lag Jam	L1-5
302	Proof Tray Exit: Late Jam	L1-5
303	Proof Tray Exit: Lag Jam	L1-5
304	Stack Tray Exit: Late Jam	L1-5, L
305	Stack Tray Exit: Lag Jam	L1-5, L
306	Relay Path: Late Jam	L1-5
307	Relay Path: Lag Jam	L1-5
308	Straight-through Paper Path Exit: Late Error	L1-5
309	Straight-through Paper Path Exit: Lag Jam	L1-5
310	Shift JG Motor	L1-5
311	Proof Tray JG Motor	L1-5
312	Shift Motor	L1-5, L
313	Front Jogger Fence Motor	L1-5, L
314	Rear Jogger Fence Motor	L1-5, L
315	Jogger Fence Retraction Motor	L1-5, L
316	Sub Jogger Motor	L1-5, L
317	LE Stopper Motor	L1-5, L
318	Tray Lift Motor	L1-5, L
319	Door open jam	L1-5
320	Display non-performing jam	L1-5
321	Disable paper stop jam	L1-5
322	Software internal error	L1-5

High Capacity Stacker SK5030 2

Jam code	Jam description	Display code
325	Entrance: Late Jam	L1-5
326	Entrance: Lag Jam	L1-5
327	Proof Tray Exit: Late Jam	L1-5
328	Proof Tray Exit: Lag Jam	L1-5
329	Stack Tray Exit: Late Jam	L1-5, L
330	Stack Tray Exit: Lag Jam	L1-5, L
331	Relay Path: Late Jam	L1-5
332	Relay Path: Lag Jam	L1-5
333	Straight-through Paper Path Exit: Late Error	L1-5
334	Straight-through Paper Path Exit: Lag Jam	L1-5
335	Shift JG Motor	L1-5
336	Proof Tray JG Motor	L1-5
337	Shift Motor	L1-5, L
338	Front Jogger Fence Motor	L1-5, L
339	Rear Jogger Fence Motor	L1-5, L
340	Jogger Fence Retraction Motor	L1-5, L
341	Sub Jogger Motor	L1-5, L
342	LE Stopper Motor	L1-5, L
343	Tray Lift Motor	L1-5, L
344	Door open jam	L1-5
345	Display non-performing jam	L1-5
346	Disable paper stop jam	L1-5
347	Software internal error	L1-5

Ring Binder RB5020

Jam code	Jam description	Display code
350	Entrance: Late Jam	Mc1-2
351	Entrance: Lag Jam	Mc1-2
352	Central Transport Path: Late Jam	Mc3-4
353	Central Transport Path: Lag Jam	Mc3-4
354	Transport Exit: Late Jam	Mc3-4
355	Transport Exit: Lag Jam	Mc3-4
356	Before Pre-punch Unit Jam	Mc5
357	After Pre-punch Unit Jam	Mc6
358	Binder Unit TE Jam	Mc5-6
359	Binder Unit LE Jam	Mc7-8
360	Ring Jam: Wrong Ring Type	Mc7-8
361	Binder Unit Not Detected Jam	Mc7-8
362	Output Belt 1 Jam	Red circle
363	Output Belt 2 Jam	Red circle
364	Stacker unit jam	Mc10
365	Punch Motor Jam	Mc5
366	Shutter Motor Jam	Mc7-8
367	Alignment Pin Motor Jam	Mc7-8
368	Pre-punch jogger jam	Mc7-8
369	Alignment unit jam	Mc7-8
370	Punch Motor Jam	Mc7-8
371	50/100 Adjustment Motor Jam	Mc7-8
372	Output Belt Rotation Motor Jam	Red circle

Jam code	Jam description	Display code
373	Door open jam	Mc1-2
374	Display non-performing jam	Mc1-2
375	Disable paper stop jam	Mc1-2
376	Software internal error	Mc1-2

Perfect Binder GB5010

Jam code	Jam description	Display code
380	Straight-Through Exit Sensor: Late Jam	Mk7-8
381	Straight-Through Exit Sensor: Lag Jam	Mk7-8
382	Cover registration sensor late (switchback) jam	Mk9-10
383	Cover registration sensor lag (switchback) jam	Mk9-10
384	Cover Horizontal Registration Sensor: Small: Late Jam	Mk9-10
385	Cover Horizontal Registration Sensor: Small: Lag Jam	Mk9-10
386	Cover Horizontal Registration Sensor: Large: Late Jam	Mk9-10
387	Cover Horizontal Registration Sensor: Large: Lag Jam	Mk9-10
388	Entrance Sensor: Late Jam	Mk11-14
389	Entrance Sensor: Lag Jam	Mk11-14
390	Signature Path: Sensor 1: Late Jam	Mk11-14
391	Signature Path: Sensor 1: Lag Jam	Mk11-14
392	Signature Path: Sensor 2: Late Jam	Mk3-5
393	Signature Path: Sensor 2: Lag Jam	Mk3-5
394	Timing Sensor: Late Jam	Mk3-5
395	Timing Sensor: Lag Jam	Mk3-5

Jam code	Jam description	Display code
396	Stacking tray paper late jam	Mk3-5
397	Stacking tray paper lag jam	Mk3-5
398	Sub grip paper late jam	Mk3-5
399	Cover Path: Sensor 1: Late Jam	Mk9-10
400	Cover Path: Sensor 1: Lag Jam	Mk9-10
401	Cover Path: Sensor 2: Late Jam	Mk7-8
402	Cover Path: Sensor 2: Lag Jam	Mk7-8
403	Cover Registration Sensor: Late Jam	Mk9-10
404	Cover Registration Sensor: Lag Jam	Mk9-10
405	Paper size mismatch jam (length in paper feed direction)	Mk6
406	Cover size short jam	Mk6
407	Trimming width over jam	Mk6
408	Finishing height over jam	Mk6
409	Insert cover size mismatch jam	Mk6
410	Pre-junction sensor late jam	Mk11-14
411	Pre-junction sensor lag jam	Mk11-14
412	Upper tray separation sensor late jam	Mk1
413	Upper tray separation sensor lag jam	Mk1
414	Lower tray separation sensor late jam	Mk1
415	Lower tray separation sensor lag jam	-
416	Transport path sensor 1 late jam	Mk1
417	Transport path sensor 1 lag jam	Mk1
418	Transport path sensor 2 late jam	Mk2
419	Transport path sensor 2 lag jam	Mk2

Jam code	Jam description	Display code
420	Transport sensor late jam	Mk6
421	Transport sensor lag jam	Mk6
422	Door open jam	Mk6
423	Display non-performing jam	Mk6
424	Disable paper stop jam	Mk6
425	Software internal error	Mk6

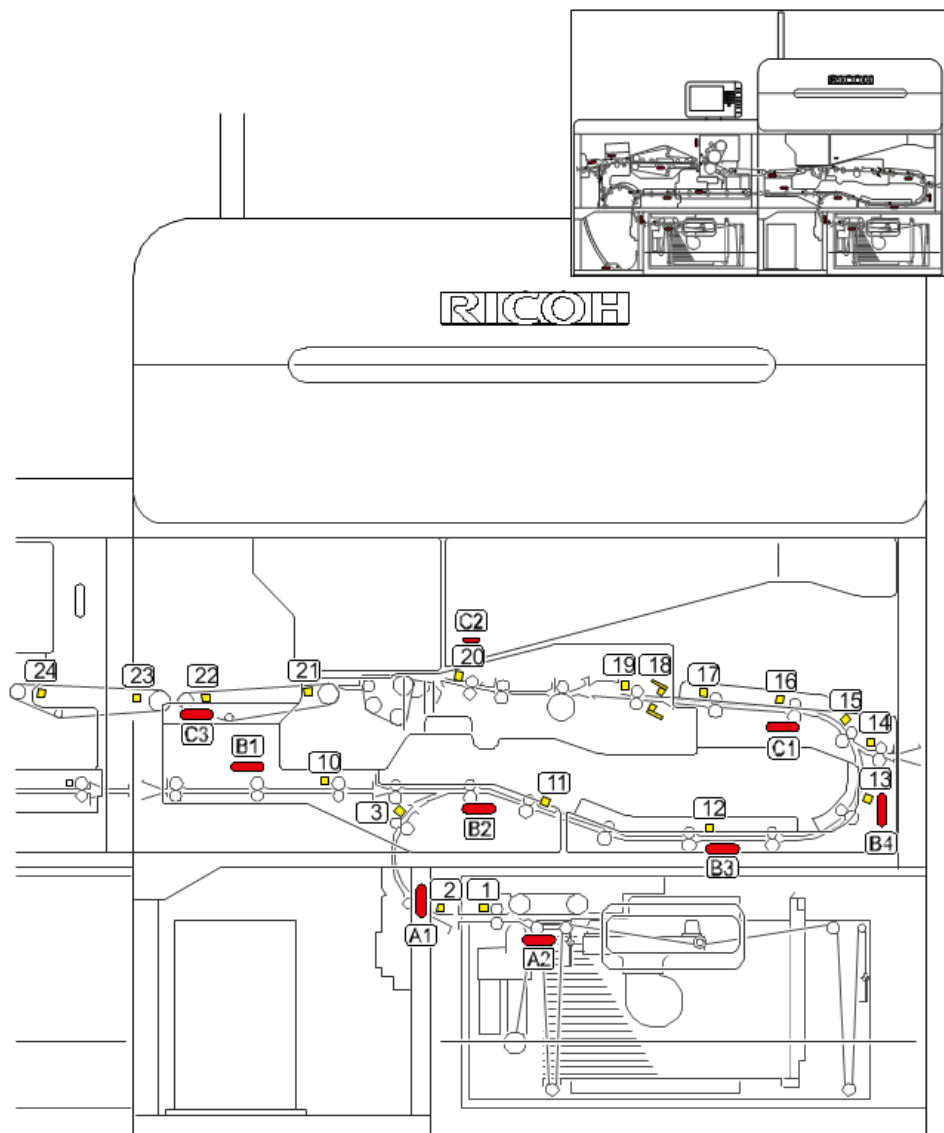
Others

Jam code	Jam description	Display code
510	Finisher: No paper exit response	-

Sensor/LED Locations

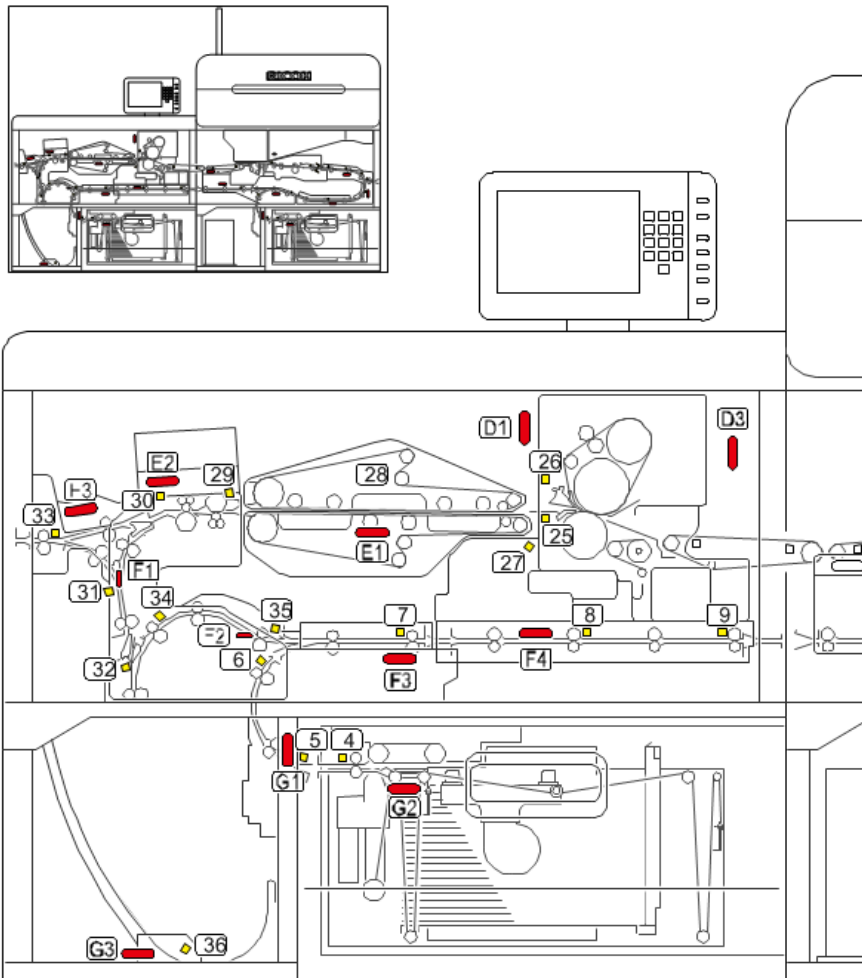
The following describes the relation between the sensors and LEDs.

Imaging Section



m205z5191

Fusing Section



m205z5192

No.	Sensor	Display code	LED
1	Paper Feed Sensor (Tray 1)	A1	Vertical Transport LED (Tray 1)
2	Vertical Transport Sensor 1 (Tray 1)		
3	Vertical Transport Sensor 2 (Tray 1)		

No.	Sensor	Display code	LED
4	Paper Feed Sensor (Tray 2)	G1	Vertical Transport LED (Tray 2)
5	Vertical Transport Sensor 1 (Tray 2)		
6	Vertical Transport Sensor 2 (Tray 2)		
7	Paper Transport Sensor 1	F3	Paper Transport LED 1
8	Paper Transport Sensor 2	F4	Paper Transport LED 2
9	Paper Transport Sensor 3		
10	Paper Transport Sensor 4	B1	Paper Transport LED 3
11	Paper Transport Sensor 5	B2	Paper Transport LED 4
12	Paper Transport Sensor 6	B3	Paper Transport LED 5
13	Paper Transport Sensor 7	B4	Paper Transport LED 6
14	LCT Relay Sensor	C1	Registration Entrance LED
15	Registration Entrance Sensor 1		
16	Registration Entrance Sensor 2		
17	Registration Entrance Sensor 3		
18	Registration Timing Sensor	C1, C2	Registration Unit LED, Registration Entrance LED
19	Registration Relay Sensor	C2	Registration Unit LED
20	PTR Timing Sensor		
21	PTB Transport Sensor 1	C3	PTB Unit LED
22	PTB Transport Sensor 2		
23	PTB Transport Sensor 3	C3, D3	PTB Unit LED, Fusing Entrance LED
24	PTB Transport Sensor 4		

No.	Sensor	Display code	LED
25	Fusing Exit Sensor	D1, E1	Fusing Unit LED, Paper Cooling Belt LED
26	Fusing Exit Sensor (Back)		
27	Accordion Jam Sensor		
28	Paper Cooling Unit (No sensor is installed.)	E1	Paper Cooling Belt LED
29	De-curler Entrance Sensor	E1, E2	De-curler Unit LED, Paper Cooling Belt LED
30	De-curler Exit Sensor	E2	De-curler Unit LED
31	Paper Exit Inverter Sensor	F1	Paper Exit Inverter LED
32	Duplex Inverter Sensor		
33	Paper Exit Sensor	E3	Paper Exit LED
34	Duplex Transport Sensor 1	F2	Duplex Inverter LED
35	Duplex Transport Sensor 2		
36	Purge Tray Paper Sensor	G3	Purge Tray LED

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
005(05H)	A4	LEF	2970	2100
006(06H)	A5	LEF	2100	1480
014(0EH)	B5	LEF	2570	1820
027(1BH)	SRA4	LEF	3200	2250
038(26H)	8 1/2"x11"(LT)	LEF	2794	2159
044(2CH)	5 1/2"x8 1/2"(HLT)	LEF	2159	1397

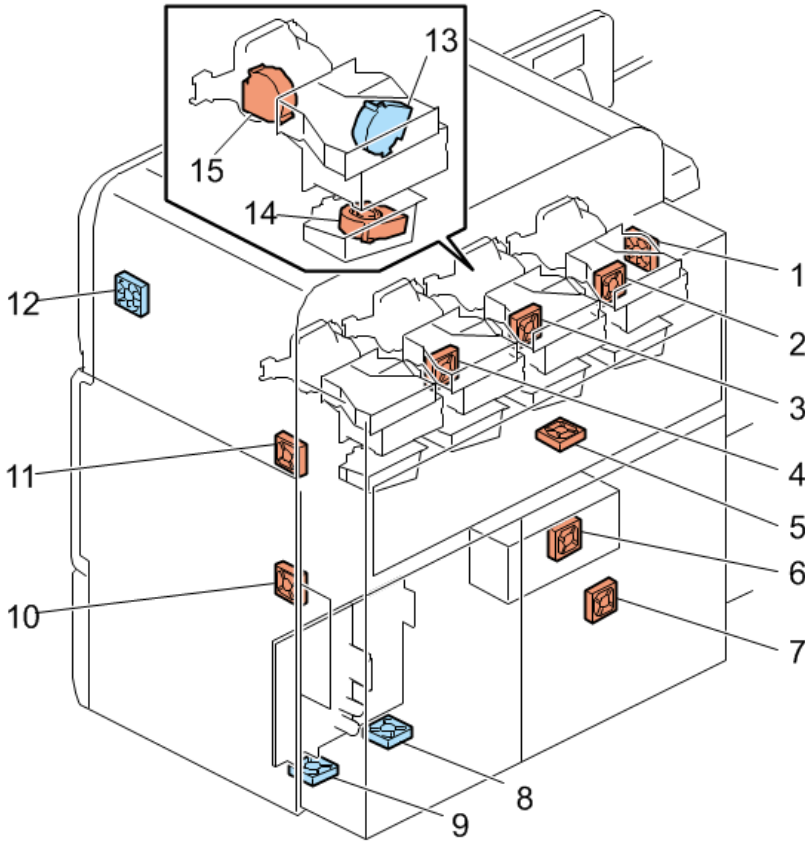
Size Code	Paper Size Name	Orientation	Main Scan Length	Sub Scan Length
045(2DH)	7 1/4"x10 1/2"(Executive)	LEF	2667	1842
067(43H)	16K	LEF	2670	1950
121(79H)	226x310	LEF	3100	2260
132(84H)	A3	SEF	2970	4200
133(85H)	A4	SEF	2100	2970
134(86H)	A5	SEF	1480	2100
135(87H)	A6	SEF	1050	1480
141(8DH)	B4	SEF	2570	3640
142(8EH)	B5	SEF	1820	2570
143(8FH)	B6	SEF	1280	1820
154(9AH)	SRA3	SEF	3200	4500
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"(Foolscap)	SEF	2159	3302
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
172(ACH)	5 1/2"x8 1/2"(HLT)	SEF	1397	2159
173(ADH)	7 1/4"x10 1/2"(Executive)	SEF	1842	2667

Size Code	Paper Size Name	Orientation	Main Scan Length	Sub Scan Length
175(AFH)	12"x18"	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
195(C3H)	16K	SEF	1950	2670
198(C6H)	12.6x18.5	SEF	3200	4699
199(C7H)	12.6x19.2	SEF	3200	4877
249(F9H)	226x310	SEF	2260	3100
250(FAH)	310x432	SEF	3100	4320
251(FBH)	PostCard:Standard	SEF	1067	1397

Fan Defect Detection

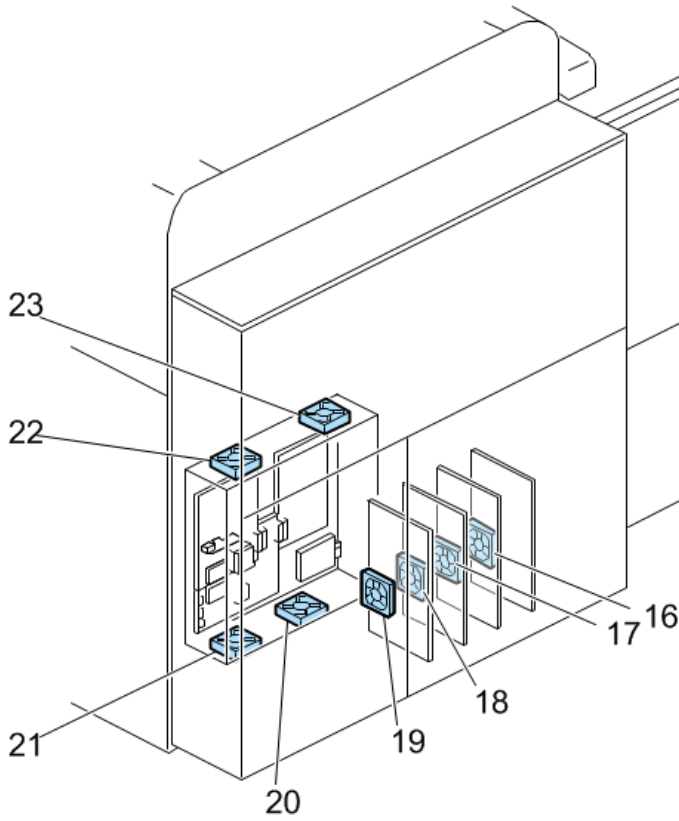
Fan Locations and Fan SC

Rear Side of the Imaging Section 1



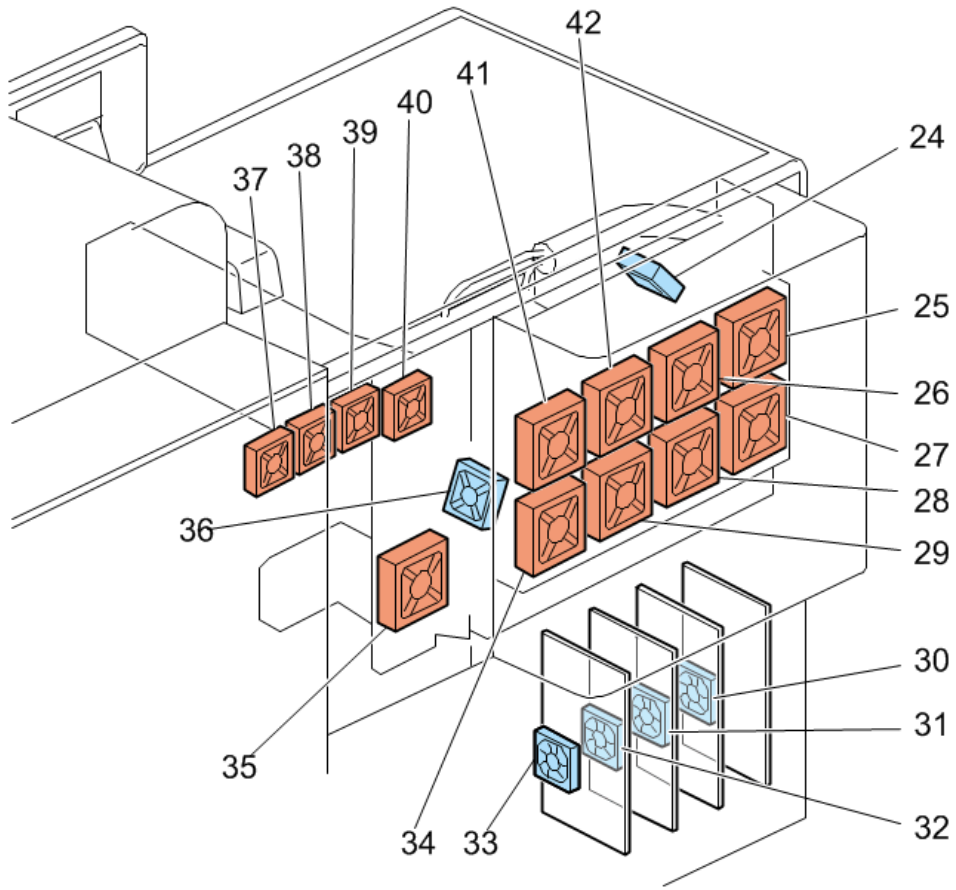
m205a9001

Rear Side of the Imaging Section 2



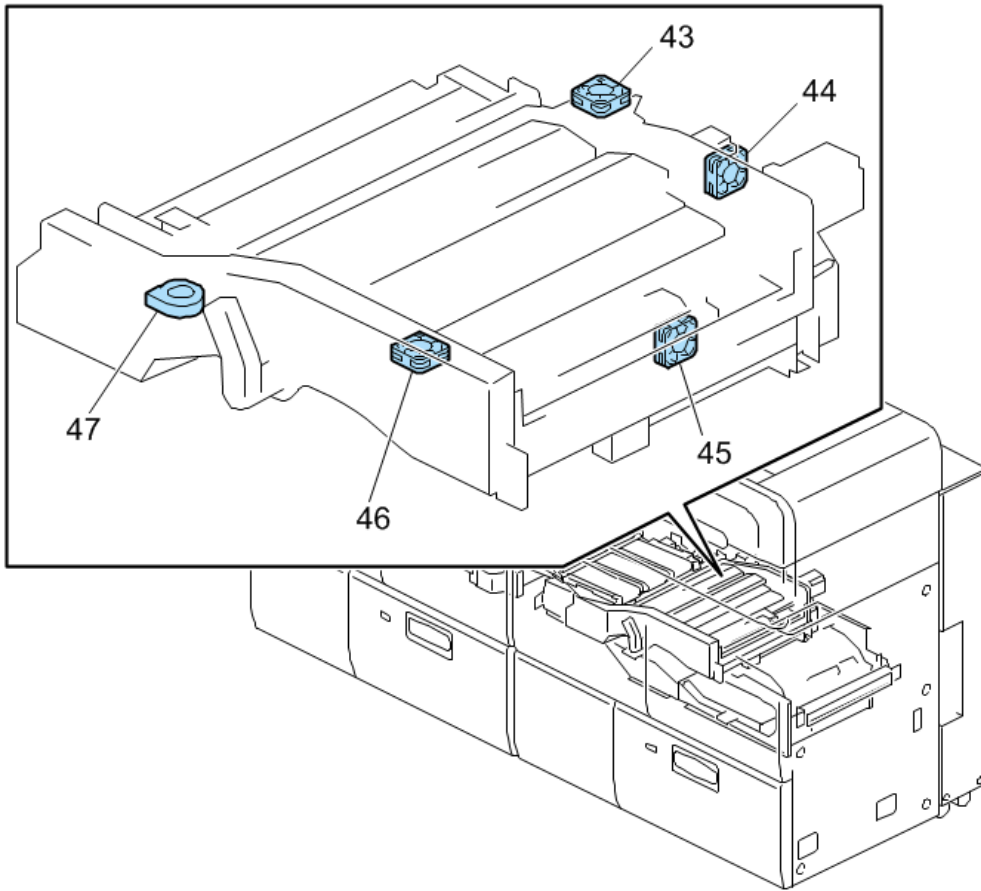
m205a9002

Rear Side of the Fusing Section



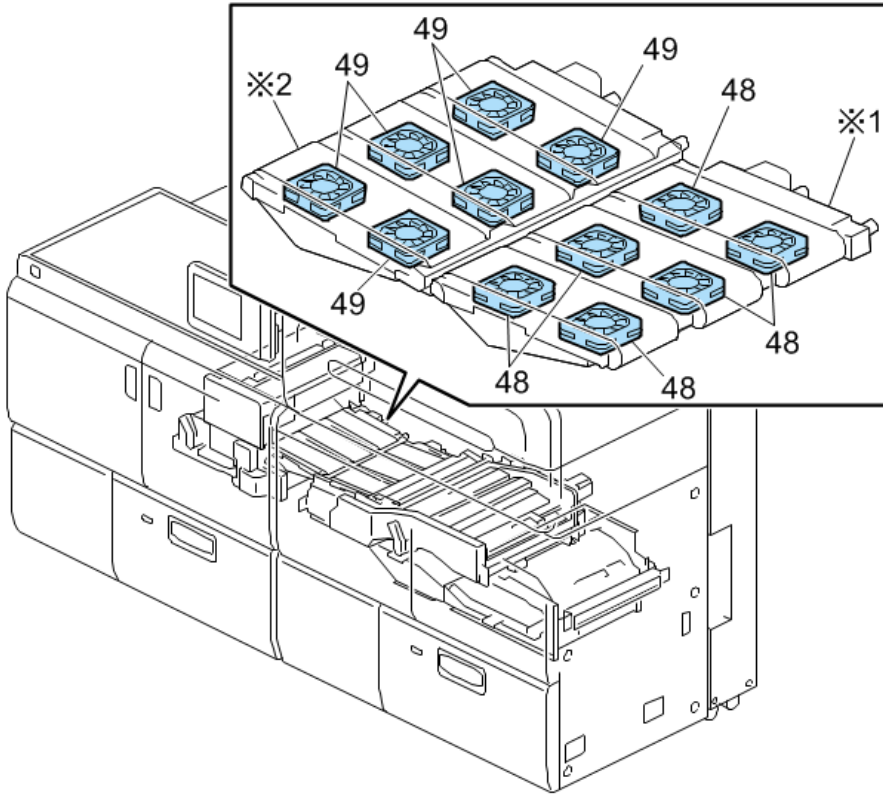
m205a9003

Registration Unit



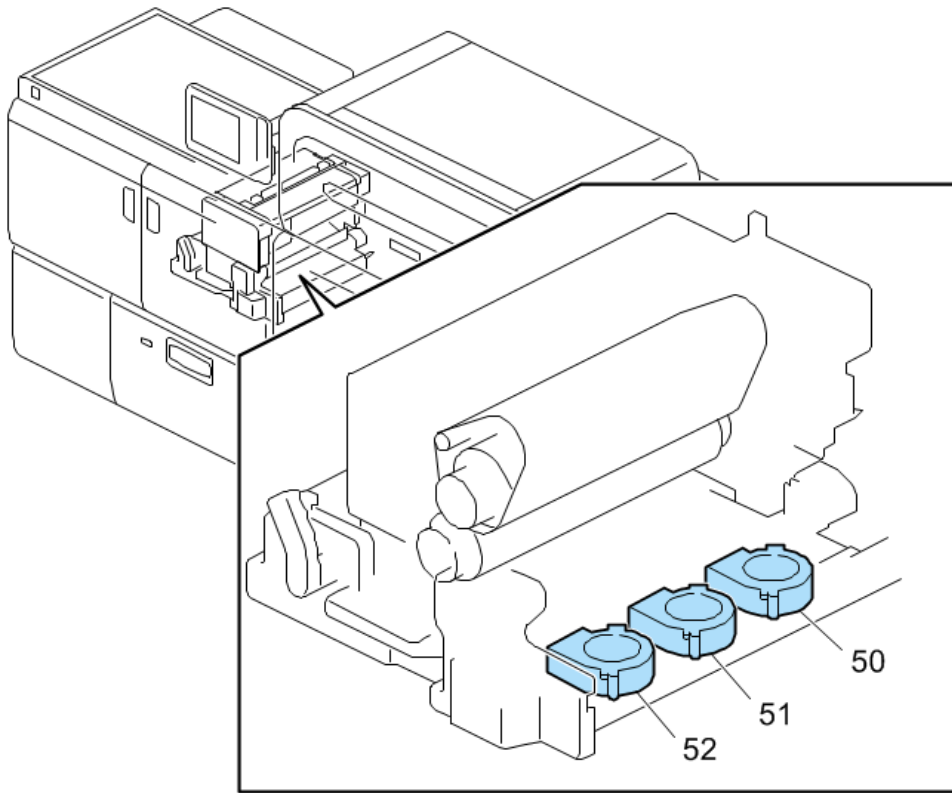
m205a9004

Paper Transport Belt (PTB) Unit



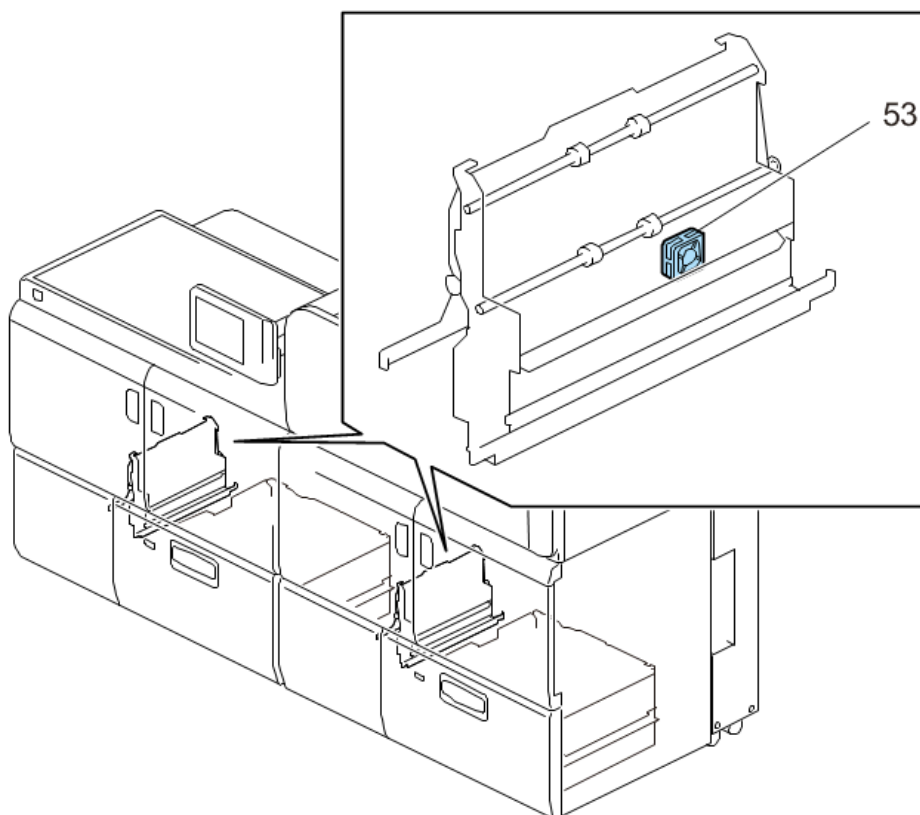
m205a9005

Fusing Unit

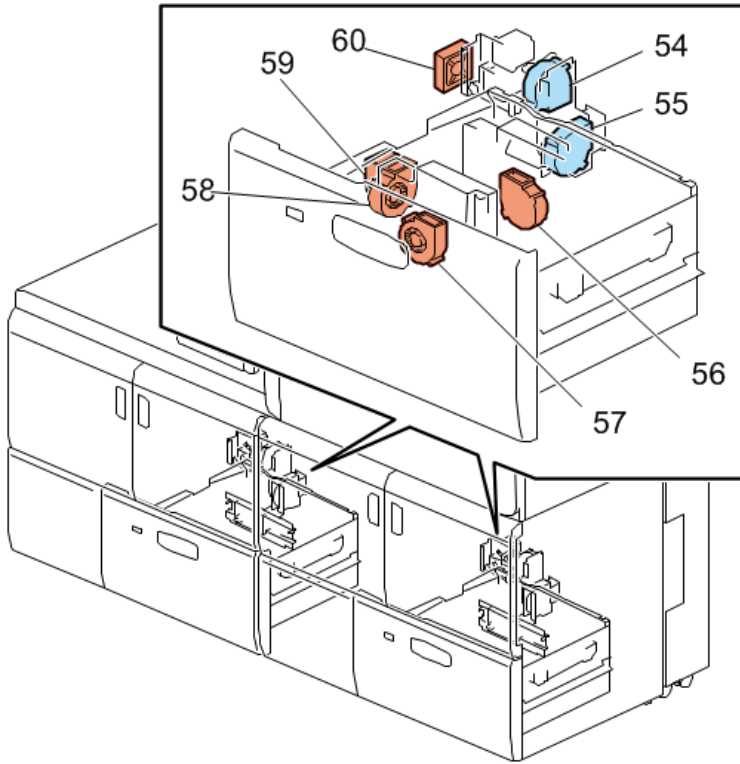


m205a9006

Vertical Transport Unit



Paper Tray



m205a9008

6

SC Code	SC Name	Fan of to be detected	Fan No.
SC501-06	1st Tray Error (Separation Front Fan error)	Separation Front Fan (Tray 1)	57
SC501-07	1st Tray Error (Separation Rear Fan error)	Separation Rear Fan (Tray 1)	56
SC501-08	1st Tray Error (Float Fan error)	Float Fan (Tray 1)	59
SC501-09	1st Tray Error (Separation Fan error)	Separation Fan (Tray 1)	58
SC501-10	1st Tray Error (Suction Fan 1 error)	Suction Fan 1 (Tray 1)	54
SC501-11	1st Tray Error (Suction Fan 2 error)	Suction Fan 2 (Tray 1)	55
SC502-06	2nd Tray Error (Separation Front Fan error)	Separation Front Fan (Tray 2)	57

SC Code	SC Name	Fan of to be detected	Fan No.
SC502-07	2nd Tray Error (Separation Rear Fan error)	Separation Rear Fan (Tray 2)	56
SC502-08	2nd Tray Error (Float Fan error)	Float Fan (Tray 2)	59
SC502-09	2nd Tray Error (Separation Fan error)	Separation Fan (Tray 2)	58
SC502-10	2nd Tray Error (Suction Fan 1 error)	Suction Fan 1 (Tray 2)	54
SC502-11	2nd Tray Error (Suction Fan 2 error)	Suction Fan 2 (Tray 2)	55
SC530-01	Anti-condensation Fan Error	Anti-condensation Fan	40
SC530-02	Registration Exhaust Fan Error	Registration Exhaust Fan	10
SC530-03	Development Unit Cooling Fan (Y) Error	Development Unit Cooling Fan (Y)	13
SC530-04	Development Unit Cooling Fan (M) Error	Development Unit Cooling Fan (M)	13
SC530-05	Development Unit Cooling Fan (C) Error	Development Unit Cooling Fan (C)	13
SC530-06	Development Unit Cooling Fan (K) Error	Development Unit Cooling Fan (K)	13
SC530-07	Laser Unit Cooling Fan Error	Laser Unit Cooling Fan	12
SC530-11	Paper Cooling Belt Fan 1 Error	Paper Cooling Belt Fan 1	41
SC530-12	Paper Cooling Belt Fan 2 Error	Paper Cooling Belt Fan 2	42
SC530-13	Paper Cooling Belt Fan 3 Error	Paper Cooling Belt Fan 3	26
SC530-14	Paper Cooling Belt Fan 4 Error	Paper Cooling Belt Fan 4	25
SC530-15	Paper Cooling Belt Fan 5 Error	Paper Cooling Belt Fan 5	34
SC530-16	Paper Cooling Belt Fan 6 Error	Paper Cooling Belt Fan 6	29
SC530-17	Paper Cooling Belt Fan 7 Error	Paper Cooling Belt Fan 7	28
SC530-18	Paper Cooling Belt Fan 8 Error	Paper Cooling Belt Fan 8	27
SC530-19	Charger Entrance Fan (Y) Error	Charger Entrance Fan (Y)	15
SC530-20	Charger Entrance Fan (M) Error	Charger Entrance Fan (M)	15

SC Code	SC Name	Fan of to be detected	Fan No.
SC530-21	Charger Entrance Fan (C) Error	Charger Entrance Fan (C)	15
SC530-22	Charger Entrance Fan (K) Error	Charger Entrance Fan (K)	15
SC530-23	Ozone Exhaust Fan (Y) Error	Ozone Exhaust Fan (Y)	14
SC530-24	Ozone Exhaust Fan (M) Error	Ozone Exhaust Fan (M)	14
SC530-25	Ozone Exhaust Fan (C) Error	Ozone Exhaust Fan (C)	14
SC530-26	Ozone Exhaust Fan (K) Error	Ozone Exhaust Fan (K)	14
SC530-27	Exhaust Fan 1 Error	Exhaust Fan 1	4
SC530-28	Exhaust Fan 2 Error	Exhaust Fan 2	11
SC530-29	Exhaust Fan 3 Error	Exhaust Fan 3	1
SC530-30	Exhaust Fan 5 Error	Exhaust Fan 5	37
SC530-31	PSU Fan 1 Error	PSU Fan 1	19
SC530-32	PSU Fan 2 Error	PSU Fan 2	18
SC530-33	PSU Fan 3 Error	PSU Fan 3	9
SC530-34	PSU Fan 4 Error	PSU Fan 4	8
SC530-35	PSU Fan 5 Error	PSU Fan 5	17
SC530-36	Controller Fan 1 Error	Controller Fan 1	22
SC530-37	Controller Fan 2 Error	Controller Fan 2	23
SC530-38	Controller Fan 3 Error	Controller Fan 3	21
SC530-39	Controller Fan 4 Error	Controller Fan 4	20
SC530-40	PSU Fan 6 Error	PSU Fan 6	16
SC530-41	PSU Fan 7 Error	PSU Fan 7	33
SC530-42	PSU Fan 8 Error	PSU Fan 8	32
SC530-43	PSU Fan 9 Error	PSU Fan 9	31
SC530-44	PSU Fan 10 Error	PSU Fan 10	30
SC530-45	CIS cleaning fan Error	CIS cleaning fan	46

SC Code	SC Name	Fan of to be detected	Fan No.
SC530-46	Registration Cooling Fan Error	Registration Cooling Fan	45
SC530-47	Pressure Roller Intake Fan 1 Error	Pressure Roller Intake Fan 1	52
SC530-48	Pressure Roller Intake Fan 2 Error	Pressure Roller Intake Fan 2	51
SC530-49	Pressure Roller Intake Fan 3 Error	Pressure Roller Intake Fan 3	50
SC530-50	Pressure Roller Exhaust Fan 1 Error	Pressure Roller Exhaust Fan 1	35
SC530-51	PTB Fan 1 Error	PTB Fan 1	48
SC530-52	PTB Fan 2 Error	PTB Fan 2	48
SC530-53	PTB Fan 3 Error	PTB Fan 3	48
SC530-54	PTB Fan 4 Error	PTB Fan 4	48
SC530-55	PTB Fan 5 Error	PTB Fan 5	49
SC530-56	PTB Fan 6 Error	PTB Fan 6	49
SC530-57	PTB Fan 7 Error	PTB Fan 7	49
SC530-58	PTB Fan 8 Error	PTB Fan 8	49
SC530-59	PTB Fan 9 Error	PTB Fan 9	48
SC530-60	PTB Fan 10 Error	PTB Fan 10	48
SC530-61	PTB Fan 11 Error	PTB Fan 11	49
SC530-62	PTB Fan 12 Error	PTB Fan 12	49
SC530-63	ID Sensor Cleaning Fan Error	ID Sensor Cleaning Fan	47
SC530-65	Paper Exit Inverter Motor Fan Error	Paper Exit Inverter Motor Fan	36
SC530-66	Exhaust Fan 4 Error	Exhaust Fan 4	7
SC530-67	Exhaust Fan 6 Error	Exhaust Fan 6	38
SC530-68	Exhaust Fan 7 Error	Exhaust Fan 7	39
SC530-69	Exhaust Fan 8 Error	Exhaust Fan 8	3
SC530-70	Exhaust Fan 9 Error	Exhaust Fan 9	2
SC530-71	De-curler motor cooling fan Error	De-curler motor cooling fan	24

SC Code	SC Name	Fan of to be detected	Fan No.
SC530-72	PTR Timing Motor Cooling Fan Error	PTR Timing Motor Cooling Fan	43
SC530-73	PSU exhaust fan Error	PSU exhaust fan	6
SC530-74	Vertical Transport Motor Fan (Tray 1) Error	Vertical Transport Motor Fan (Tray 1)	53
SC530-75	Vertical Transport Motor Fan (Tray 2) Error	Vertical Transport Motor Fan (Tray 2)	53
SC530-76	Registration Timing Motor Fan Error	Registration Timing Motor Fan	44
SC530-77	Waste Toner Collection Fan Error	Waste Toner Collection Fan	5
SC530-78	Paper Transport Motor Fan (Tray 1) Error	Paper Transport Motor Fan (Tray 1)	60
SC530-79	Paper Transport Motor Fan (Tray 2) Error	Paper Transport Motor Fan (Tray 2)	60

Adjustment

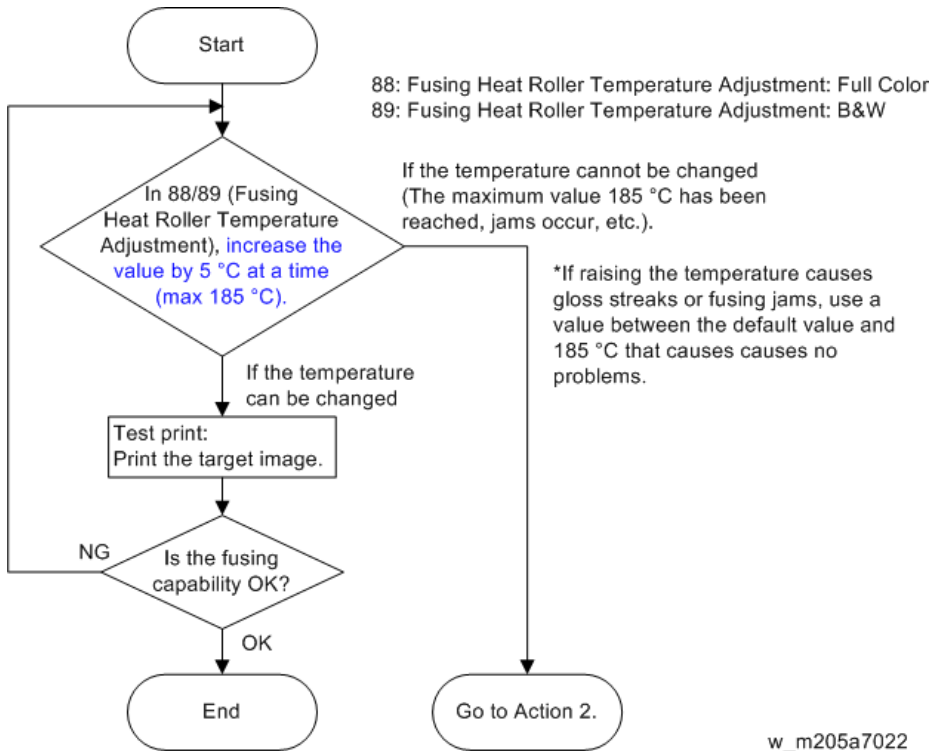
Adjustment 001: Increasing Fusing Capability

The procedure for improving fusing capability when it is unsatisfactory at the following recommended fusing temperature is described in this troubleshooting.

- The recommended fusing temperature for the specific paper products selected from paper library or the generic paper which is selected with paper type/weight from paper library.
- The recommended fusing temperature for the paper type/weight which is specified in paper tray settings.

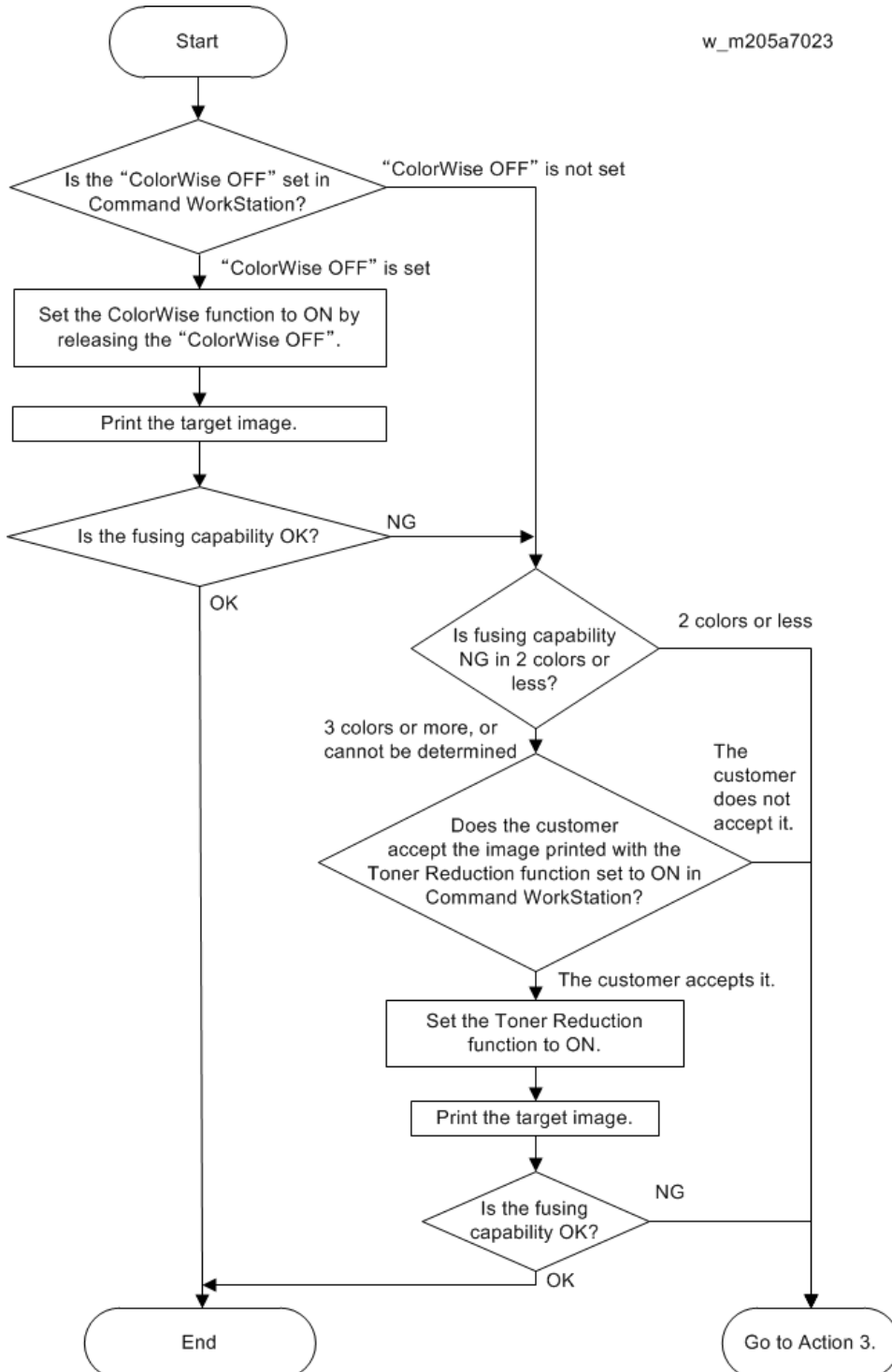
Use this procedure to determine if the type of paper is usable or not and, if it is usable, the best configuration for that type of paper.

Action 1: Adjustment made in the adjustment settings for Custom Paper: Fusing temperature

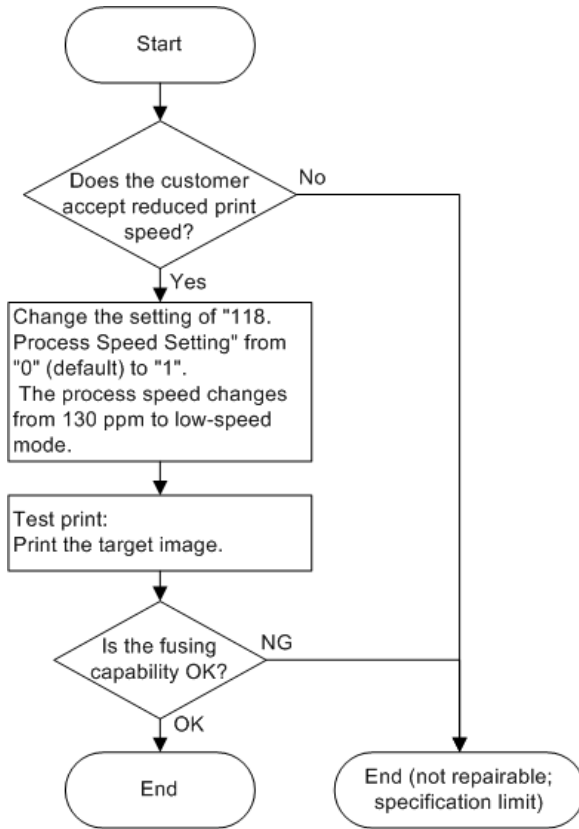


Action 2: Adjustment made in Fiery controller

w_m205a7023



Action 3: Adjustment made in the adjustment settings for Custom Paper: Process speed



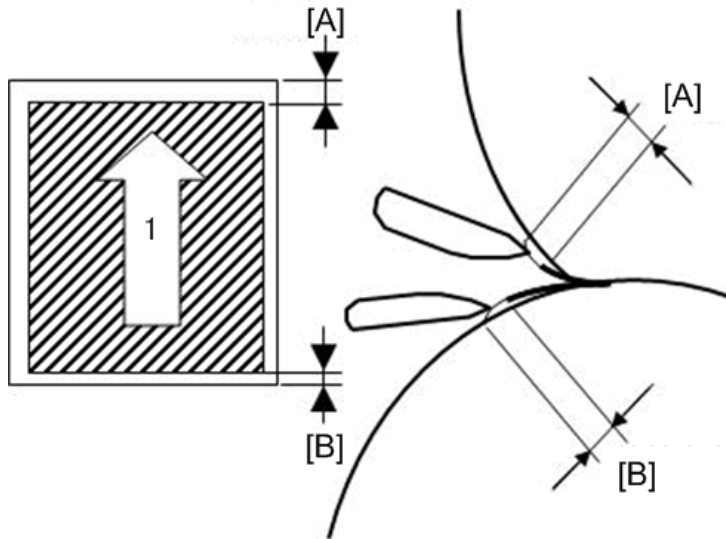
w_m205a7024

6

Adjustment 002: Margin Adjustment

Symptom

Leading edge/trailing edge margins are too large.



d135a3018

[A]: Leading edge margin

[B]: Trailing edge margin

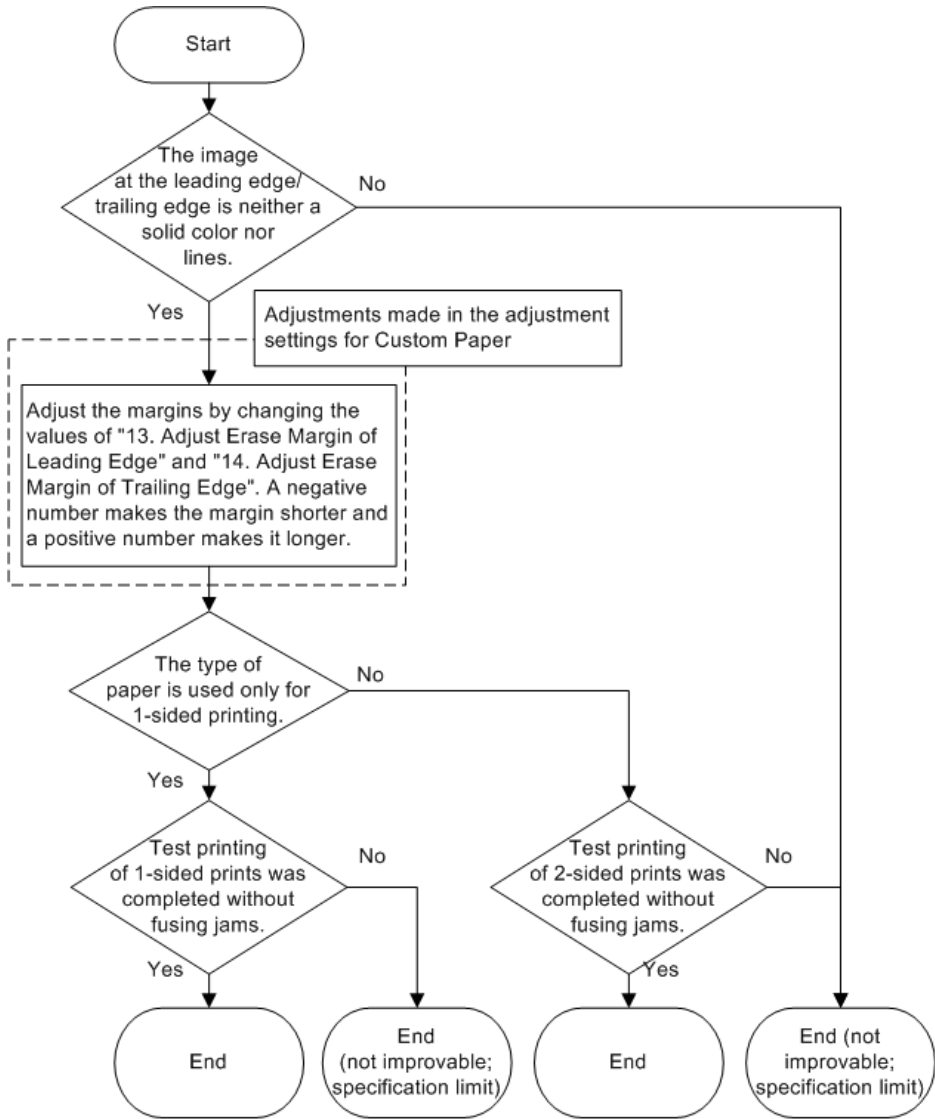
Cause

Additional image masking is applied because the paper type is registered as a type that has separation difficulties in the IMSS etc.

Notes

- The paper is Thin Paper.
- The paper is easily curled.
- This adjustment may cause dirtied paper edges.
- Make a test print after adjustment and, if paper jams occur in the fusing section, resume the previous configuration. Failure to do so may lead to fusing unit breakage in the worst case.

Action

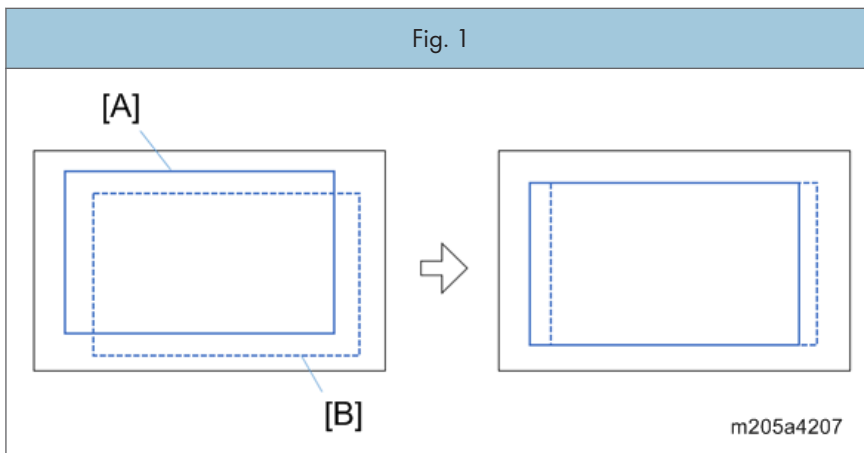


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Adjustment 003: Image Position Adjustment when Using the Template

Problem

Front and back image position misalignment with feed direction even after using the template



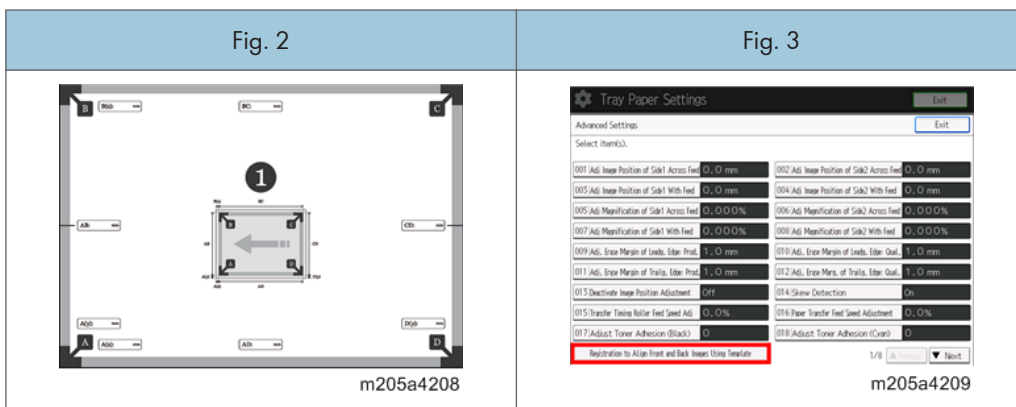
[A]: Side 1

[B]: Side 2

Details

In the Troubleshooting: TCRU/ORU manual;

11. Advanced Instructions > Adjusting the Image Position of the Either Side of the Paper > Aligning the Image Position on Side 2 to That on Side 1 (Using a Template to Align the Image Position on Side 1 and 2)



When inputting the measured length of the template (Fig. 2), which can be printed from the button circled in red (Fig. 3), appropriate settings about image position and magnification will be automatically reflected in that Custom Media.

However, we have to print this template image with the same margin settings at both the leading edge and the trailing edge, or the image position will be misaligned in the paper-feed direction by that difference as shown in Fig. 1.

Actions

1. Notice when printing the template

Whenever printing the template image, make sure that Advanced Setting “No.13 Adjust Erase Margin of Leading Edge” and “No.14 Adjust Erase Margin of Trailing Edge” have the same value. (If not, change the smaller one to the bigger).

2. Paper Library

Change the library file to version Rev.5 or later, because there are some media which have different values for Advanced Settings No.13 and No.14 in the old version.

3. SP Settings

Change the SP settings as follows. If not, when newly creating a custom media, some combinations of paper type and weight will have different margins in Advanced Settings No. 13 and No.14. This SP change has been applied in the factory after the mass production June, 2015.

SP No.	Setting	SP No.	Setting	SP No.	Setting
SP2-123-101	1.0	SP2-123-123	0	SP2-123-152	0
SP2-123-102	1.0	SP2-123-124	0	SP2-123-153	0
SP2-123-103	1.0	SP2-123-125	0	SP2-123-154	-0.5
SP2-123-104	0	SP2-123-126	-0.5	SP2-123-155	-0.5
SP2-123-105	0	SP2-123-127	-0.5	SP2-123-157	1.0
SP2-123-106	0	SP2-123-132	0	SP2-123-158	1.0
SP2-123-107	0	SP2-123-133	0	SP2-123-159	1.0
SP2-123-108	-1.5	SP2-123-134	0	SP2-123-160	0
SP2-123-109	-1.5	SP2-123-137	1.0	SP2-123-161	0
SP2-123-110	1.0	SP2-123-138	1.0	SP2-123-162	0
SP2-123-111	1.0	SP2-123-139	1.0	SP2-123-163	0
SP2-123-112	1.0	SP2-123-140	0	SP2-123-164	-1.5
SP2-123-113	1.0	SP2-123-141	0	SP2-123-165	-1.5
SP2-123-114	0	SP2-123-142	0	SP2-123-166	1.0
SP2-123-115	0	SP2-123-143	0	SP2-123-167	1.0
SP2-123-116	0	SP2-123-144	-1.5	SP2-123-168	1.0
SP2-123-117	-0.5	SP2-123-145	-1.5	SP2-123-169	0

SP No.	Setting	SP No.	Setting	SP No.	Setting
SP2-123-118	-0.5	SP2-123-147	1.0	SP2-123-170	0
SP2-123-119	1.0	SP2-123-148	1.0	SP2-123-171	0
SP2-123-120	1.0	SP2-123-149	1.0	SP2-123-172	0
SP2-123-121	1.0	SP2-123-150	1.0	SP2-123-173	-1.5
SP2-123-122	1.0	SP2-123-151	0	SP2-123-174	-1.5

Correspondence Table for Adjustment Settings

Correspondence Table for Adjustment Settings for Operators and SP Mode

The correspondence table for Adjustment Settings for Operators and SP settings is as follows.

01 Machine: Image Position

No.	Item	SP No.
0101	Adjust Image Position Across Feed Direction	Front side: SP1-003-001 to 009 Back side: SP1-004-001 to 009
0102	Adjust Image Position With Feed Direction	Front side: SP1-001-001 to 009 Back side: SP1-002-001 to 009
0104	Skew Detection	SP1-021-001 to 009

6

02 Machine: Image Quality

No.	Item	SP No.
0201	Adjust Image Density/ DEMS	Process control execution: SP3-011-002 DEMS execution: SP3-040-001
0204	Adjust Maximum Image Density	SP3-620-011 to 014
0206	Adjust Density Difference Across Feed Direction	Adjustment of density difference in main scan direction: SP2-113-001 to 004 Main scan shading correction: SP3-069-001 to 005, 011 to 015
0209	Adjust Image Density Before Auto Color Calibration	SP3-011-003
0210	Feedback Rate of Auto Img Dens Adj & Color Calib	SP3-662-001 to 004

03 Machine: Paper Feed/ Output

No.	Item	SP No.
0304	Adjust Paper Curl	Simplex: SP1-940-001 to 009 Duplex: SP1-941-001 to 009
0305	Illumination Mode for Color Paper Detection	SP1-910-001 to 009
0309	Double Feed Detect	SP1-302-001 to 009
0310	When Double Feed is Detected	SP1-303-001
0313	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.	SP1-911-001 to 009

05 Machine: Maintenance

No.	Item	SP No.
0507	Temperature / Humidity inside the Machine	SP3-260-001 to 002, SP3-260-101 to 102
0508	Temperature / Humidity outside the Machine	SP3-261-001 to 002
0513	Execute Developer Refreshing	SP3-062-001, 003 to 006
0515	Execute Photoconductor Refreshing	SP2-226-004
0516	Execute Charger Cleaning	SP2-222-001 to 005
0527	Imaging Unit Initial Settings on Replacement	SP2-927-008 to 009
0528	Reset Imaging Unit Initial Settings on Replacement	SP2-927-010

06 Finishing: Finisher

No.	Item	SP No.
0601	Adjust Staple Position Across Feed Direction 1	SP6-210-001 to 014
0602	Adjust Staple Position Across Feed Direction 2	SP6-212-001 to 014
0603	Adjust Staple Position With Feed Direction	SP6-214-001 to 014
0607	Adjust Punch Position Across Feed Direction	SP6-728-001 to 005

No.	Item	SP No.
0608	Adjust Punch Position With Feed Direction	SP6-727-001 to 005
0618	Adjust Staple Position for Booklet	SP6-721-001 to 018
0619	Adjust Folding Position for Booklet	SP6-722-001 to 018
0622	Set Number of Folds for Booklet	SP6-203-001

07 Finishing: Fold

No.	Item	SP No.
0701	Half Fold Position (Multi-sheet Fold)	SP6-752-101 to 119
0702	Letter Fold-out Position 1 (Multi-sheet Fold)	SP6-753-101 to 104, 107 to 108
0703	Letter Fold-out Position 2 (Multi-sheet Fold)	SP6-754-101 to 104, 107 to 108
0704	Letter Fold-in Position 1 (Multi-sheet Fold)	SP6-755-101 to 110
0705	Letter Fold-in Position 2 (Multi-sheet Fold)	SP6-756-101 to 110

08 Finishing: Perfect Binder

No.	Item	SP No.
0801	Cover Sheet Position for Perfect Binding With Feed Dir	SP6-780-001
0802	Cover Sheet Position for Perfect Binding Across Feed Dir	SP6-781-001
0803	Adjust Perfect Binding Finishing Angle	SP6-782-001 to 003
0804	Adjust Applying Binding Glue	SP6-783-001

09 Finishing: Stacker

No.	Item	SP No.
0907	Maximum Stack Quantity in Stacker Tray	SP6-746-001 to 002

Correspondence Table for Adjustment Settings for Skilled Operators and SP Mode

The correspondence table for Adjustment Settings for Skilled Operators and SP settings is as follows.

01 Machine: Image Position

No.	Item	SP No.
0101	Adjust Image Position Across Feed Direction	Front side: SP1-003-001 to 009 Back side: SP1-004-001 to 009
0102	Adjust Image Position With Feed Direction	Front side: SP1-001-001 to 009 Back side: SP1-002-001 to 009
0103	Deactivate Image Position Adjustment Across Feed Dir	SP1-917-001 to 009
0104	Skew Detection	SP1-021-001 to 009
0105	Skew Detection Level	SP1-022-001 to 009
0106	Adjust Erase Margin With Feed Direction	SP2-121-001 to 002
0107	Perpendicularity Adjustment	SP2-104-041

02 Machine: Image Quality

No.	Item	SP No.
0201	Adjust Image Density/ DEMS	Process control execution: SP3-011-002 DEMS execution: SP3-040-001
0202	Image Density Adjustment Execute Interval	SP3-533-011
0204	Adjust Maximum Image Density	SP3-620-011 to 014
0205	Adjust Line Width	SP3-623-061 to 064

No.	Item	SP No.
0206	Adjust Density Difference Across Feed Direction	Adjustment of density difference in main scan direction: SP2-113-001 to 004 Main scan shading correction: SP3-069-001 to 005, 011 to 015
0207	Adjust Fusing Temperature on Standby	SP1-107-001
0209	Adjust Image Density Before Auto Color Calibration	SP3-011-003
0210	Feedback Rate of Auto Img Dens Adj & Color Calib	SP3-662-001 to 004

03 Machine: Paper Feed/ Output

6

No.	Item	SP No.
0304	Adjust Paper Curl	Simplex: SP1-940-001 to 009 Duplex: SP1-941-001 to 009
0305	Illumination Mode for Color Paper Detection	SP1-910-001 to 009
0307	Adjust Registration Paper Buckle	SP1-005-001 to 009
0309	Double Feed Detect	SP1-302-001 to 009
0310	When Double Feed is Detected	SP1-303-001
0313	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.	SP1-911-001 to 009

04 Machine: Productivity

No.	Item	SP No.
0401	Auto Color Selection Setting	SP2-907-001, 010

05 Machine: Maintenance

No.	Item	SP No.
0501	Execute Cleaning Initial Setting for PCU	SP3-032-001 to 006, 021

No.	Item	SP No.
0504	Tighten Fuser Cleaning Unit at Replacement	SP1-161-003
0505	Reset Replaceable Parts Counter	SP7-622-004, 012, 020, 025, 033, 041, 046, 054, 062, 067, 075, 083, 091, 102, 106, 112, 118, 119, 121, 122, 123, 124, 125, 130, 136, 140, 168, 172, 176, 144, 148, 152, 156, 160, 164
0506	Estimated Life Already Used	SP7-960-004, 012, 020, 025, 033, 041, 046, 054, 062, 067, 075, 083, 091, 102, 106, 112, 118, 119, 121, 122, 123, 124, 125, 136, 140, 168, 172, 176, 144, 148, 152, 156, 160, 164
0507	Temperature / Humidity inside the Machine	SP3-260-001 to 002, SP3-260-101 to 102
0508	Temperature / Humidity outside the Machine	SP3-261-001 to 002
0511	Back Up Saved Paper Library	SP5-711-102
0512	Unscrew/Screw-on Cap to Replace Toner Bottle	SP3-162-001 to 008
0513	Execute Developer Refreshing	SP3-062-001, 003 to 006
0515	Execute Photoconductor Refreshing	SP2-226-004
0516	Execute Charger Cleaning	SP2-222-001 to 005
0517	Developer Fill	SP3-024-001 to 006
0518	Developer Fill: Result	SP3-025-001
0519	Developer Exhaust	Developer emission: SP3-022-001, 003 to 006 TC down before developer emission: SP3-028-001, 003 to 006
0520	Developer Exhaust: Result	Developer emission: SP3-023-001 TC down before developer emission: SP3-029-001

No.	Item	SP No.
0521	Developer Setup: Execute	SP3-030-001, 003 to 006
0522	Developer Setup: Result	SP3-031-001
0523	Execute Cleaning Initial Setting for Paper Transfer Unit	SP3-033-001
0524	Fusing Belt Smoothing Setting	SP1-133-001
0525	Smooth Fusing Belt	SP1-133-110 to 111
0526	01: Counter Settings for Fuser Unit Replacement	SP1-210-001
	02 to 09: Current Value: Distance Counter	SP7-944-112 to 119
	10 to 17: Current Value: Page Counter	SP7-621-112 to 119
	18: Current: Total Paper Feed Counter: Cleaning Web	SP1-903-001
	19: Current Value: Total No. of Rotation: Cleaning Web	SP1-903-004
	20 to 30: Current Value: Ttl Ppr Feed Distance Counter	SP1-133-201 to 211
	31: Current Value: Total Time of Fuser Belt Smoothing	SP1-133-130
	32 to 61: Unit 1	SP1-210-019 to 048
	62 to 91: Unit 2	SP1-210-069 to 098
	92 to 121: Unit 3	SP1-210-119 to 148
	122 to 151: Unit 4	SP1-169-119 to 198
0527	Imaging Unit Initial Settings on Replacement	SP2-927-008 to 009
0528	Reset Imaging Unit Initial Settings on Replacement	SP2-927-010

06 Finishing: Finisher

No.	Item	SP No.
0601	Adjust Staple Position Across Feed Direction 1	SP6-210-001 to 014
0602	Adjust Staple Position Across Feed Direction 2	SP6-212-001 to 014
0603	Adjust Staple Position With Feed Direction	SP6-214-001 to 014
0604	Paper Alignment for Stapling Across Feed Direction	SP6-725-001 to 014
0605	Paper Alignment for Stapling With Feed Direction	SP6-726-001 to 014
0606	Number of Sheet Align for Stapling	SP6-225-001 to 014
0607	Adjust Punch Position Across Feed Direction	SP6-728-001 to 005
0608	Adjust Punch Position With Feed Direction	SP6-727-001 to 005
0609	Punch Skew Correction	SP6-266-001
0610	Correct Punch Skew	SP6-729-001 to 008
0611	Paper Alignment in Shift Tray Setting	SP6-243-001
0612	Paper Alignment in Shift Tray Across Feed Direction	SP6-730-001 to 015
0613	Adjust Output Tray Descending Position	SP6-236-001
0614	Adjust Exit Guide Close Timing (Booklet Fin)	SP6-219-001
0615	Output Trail Edge Press Setting	SP6-244-001
0616	Output Fan Setting	SP6-245-001
0617	Adjust Output Fan Level	SP6-246-001
0618	Adjust Staple Position for Booklet	SP6-721-001 to 018
0619	Adjust Folding Position for Booklet	SP6-722-001 to 018
0620	Paper Alignment for Booklet Across Feed Dir.	SP6-723-001 to 018
0621	Paper Alignment for Booklet With Feed Dir.	SP6-724-001 to 018
0622	Set Number of Folds for Booklet	SP6-203-001

No.	Item	SP No.
0623	Z-fold Skew Correction	SP6-229-001
0624	Correct Z-fold Skew	SP6-230-001
0625	Correct Z-fold Skew (Reverse)	SP6-231-001

07 Finishing: Fold

No.	Item	SP No.
0701	Half Fold Position (Multi-sheet Fold)	SP6-752-101 to 119
0702	Letter Fold-out Position 1 (Multi-sheet Fold)	SP6-753-101 to 104, 107 to 108
0703	Letter Fold-out Position 2 (Multi-sheet Fold)	SP6-754-101 to 104, 107 to 108
0704	Letter Fold-in Position 1 (Multi-sheet Fold)	SP6-755-101 to 110
0705	Letter Fold-in Position 2 (Multi-sheet Fold)	SP6-756-101 to 110
0706	Folding Unit Tray Full Detection	SP6-762-001
0707	Number of Sheets Folded after Full Detection	SP6-763-001

08 Finishing: Perfect Binder

No.	Item	SP No.
0801	Cover Sheet Position for Perfect Binding With Feed Dir	SP6-780-001
0802	Cover Sheet Position for Perfect Binding Across Feed Dir	SP6-781-001
0803	Adjust Perfect Binding Finishing Angle	SP6-782-001 to 003
0804	Adjust Applying Binding Glue	SP6-783-001

09 Finishing: Stacker

No.	Item	SP No.
0901	Paper Alignment in Stacker Tray Across Feed Direction 1	SP6-740-001 to 015

No.	Item	SP No.
0902	Paper Alignment in Stacker Tray Across Feed Direction 2	SP6-742-001 to 002, 009 to 010, 015
0903	Paper Alignment in Stacker Tray With Feed Direction	SP6-741-001 to 015
0904	Paper Alignment in 2nd Stacker Tray Across Feed Dir. 1	SP6-743-001 to 015
0905	Paper Alignment in 2nd Stacker Tray Across Feed Dir. 2	SP6-745-001 to 002, 009 to 010, 015
0906	Paper Alignment in 2nd Stacker Tray With Feed Direction	SP6-744-001 to 015
0907	Maximum Stack Quantity in Stacker Tray	SP6-746-001 to 002

Menu Items in IMSS Settings

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When the paper being used is registered as Custom Paper by selecting the paper name from the paper library, settings configured in the IMSS Settings apply to the paper being used.

When the paper being used is registered as Custom Paper by selecting the paper's type (paper type and paper weight) from the paper library, settings configured in the IMSS Settings do not apply to the paper being used. The settings configured in SP mode apply to the paper being used.

Category	No.	IMSS setting
Machine: Image Position	1	Adj Image Position of Side1 Across Feed
	2	Adj Image Position of Side2 Across Feed
	3	Adj Image Position of Side1 With Feed
	4	Adj Image Position of Side2 With Feed
	5	Adj Magnification of Side1 Across Feed
	6	Adj Magnification of Side2 Across Feed
	7	Adj Magnification of Side1 With Feed
	8	Adj Magnification of Side2 With Feed
	9	Correct Trapzdl. Distrn.: Sd 1 Left Edg

Category	No.	IMSS setting
	10	Correct Trapzdl. Distrtn.: Sd 1 Rigt Edg
	11	Correct Trapzdl. Distrtn.: Sd 2 Left Edg
	12	Correct Trapzdl. Distrtn.: Sd 2 Rigt Edg
	13	Adjust Erase Margin of Leading Edge
	14	Adjust Erase Margin of Trailing Edge
	15	Skew Detection
Machine: Image Quality	16	Transfer Timing Roller Feed Speed Adj
	17	Paper Transfer Feed Speed Adjustment
	18	Adjust Toner Adhesion (Black)
	19	Adjust Toner Adhesion (Cyan)
	20	Adjust Toner Adhesion (Mgenta)
	21	Adjust Toner Adhesion (Yellow)
	22	Image Transfer Current: B&W
	23	Image Transfer Current: FC: Black
	24	Image Transfer Current: FC: Cyan
	25	Image Transfer Current: FC: Magenta
	26	Image Transfer Current: FC: Yellow
	27	Image Trnsf Current; Lead Edge: B&W
	28	Image Trnsf Currnt; Lead Edg Dist: B&W
	29	Image Trnsf Current; Lead Edge: FC: K
	30	Image Trnsf Currnt; Lead Edg Dist: FC: K
	31	Image Trnsf Current; Lead Edge: FC: C
	32	Image Trnsf Currnt; Lead Edg Dist: FC: C
	33	Image Trnsf Current; Lead Edge: FC: M
	34	Image Trnsf Curnt; Lead Edg Dist: FC: M

Category	No.	IMSS setting
	35	Image Trnsf Current; Lead Edge: FC: Y
	36	Image Trnsf Currnt; Lead Edg Dist: FC: Y
	37	Paper Transfer Current: B&W
	38	Paper Transfer Current Setting: B&W: Side 2
	39	Paper Transfer Current; Lead Edge: B&W
	40	Ppr Transfer Current Lead Edg Dist: BW
	41	Paper Transfer Current; Trail Edge: B&W
	42	Ppr Transfer Current Trail Edg Dist: BW
	43	Paper Transfer Current Setting: Full Color
	44	Paper Transfer Current; Side 2: Full Color
	45	Paper Transfer Current; Lead Edge: Full Color
	46	Paper Transfer Current; Lead Edge Dist: Full Color
	47	Paper Transfer Current; Trail Edge: Full Color
	48	Paper Transfer Current; Trail Edge Dist: Full Color
	49	Paper Transfer AC Mode
	50	Paper Transfer AC: AC Voltage: B&W: Side 1
	51	Paper Transfer AC: AC Voltage: B&W: Side 2
	52	Paper Transfer AC: AC Voltage: FC: Side 1
	53	Paper Transfer AC: AC Voltage: FC: Side 2
	54	Paper Transfer AC: AC Duty Cycle: B&W
	55	Paper Transfer AC: AC Duty Cycle: Full Color
	56	Paper Transfer AC: DC Current: B&W: Side 1
	57	Paper Transfer AC: DC Current: B&W: Side 2
	58	Paper Transfer AC: DC Current: FC: Side 1
	59	Paper Transfer AC: DC Current: FC: Side 2

Category	No.	IMSS setting
	60	Paper Transfer AC: Leading Edge AC: B&W
	61	Paper Transfer AC: Leading Edge DC: B&W
	62	Paper Transfer AC: Leading Edge Distance: B&W
	63	Paper Transfer AC: Leading Edge AC: FC
	64	Paper Transfer AC: Leading Edge DC: FC
	65	Paper Transfer AC: Leading Edge Distance: FC
	66	Paper Transfer AC: Trailing Edge AC: B&W
	67	Paper Transfer AC: Trailing Edge DC: B&W
	68	Paper Transfer AC: Trailing Edge Distance: B&W
	69	Paper Transfer AC: Trailing Edge AC: FC
	70	Paper Transfer AC: Trailing Edge DC: FC
	71	Paper Transfer AC: Trailing Edge Distance: FC
	72	Ppr Trns CV Start Timing: B&W: Side 1
	73	Ppr Trns CV Start Timing: B&W: Side 2
	74	Ppr Trns CV Cntrl Duratn: B&W: Side 1
	75	Ppr Trns CV Start Timing: B&W: Side 2
	76	Ppr Trnsf Cnstnt Voltage: B&W: Side 1
	77	Ppr Trnsf Cnstnt Voltage: B&W: Side 2
	78	Ppr Trns CV Start Timing: FC: Side 1
	79	Ppr Trns CV Start Timing: FC: Side 2
	80	Ppr Trns CV Cntrl Duratn: FC: Side 1
	81	Ppr Trns CV Cntrl Duratn: FC: Side 2
	82	Ppr Trnsf Constant Voltage: FC: Side 1
	83	Ppr Trnsf Constant Voltage: FC: Side 2
	84	Adjust Gap of Paper Transfer

Category	No.	IMSS setting
	85	Adjust Contact Timing of Ppr Trns
	86	Adjust Disengage Timing of Ppr Trns
	87	Paper Transfer High Pressure Mode
	88	Fusing Heat Roller Temp. Adjust.: FC
	89	Fusing Heat Roller Temp. Adjust.: B&W
	90	Fusing Pressr. Rllr. Temp. Adjust.: FC
	91	Fusing Pressr. Rllr. Temp. Adjust.: B&W
	92	Fusing Nip Width Setting
	93	Put Pressure before Fusing
	94	Adjust Adding Fusing Temperature 1
	95	Adjust Adding Fusing Temperature 2
	96	Adjust Cleaning Web Motor Interval
	97	Cleaning Web Contact and Disengage
	98	Pressure Roller Cooling Fan Setting
	99	Adj Cntct Frq of Fusng Blt Smthng Rllr
	100	Cleaning Web Contact & Diseng Position
	101	Fusing Nip Width Adjustment for Envelope
	102	Adjst Fusng Temprature to Transfr Papr: Heat Roller
	103	Adjst Fusng Temprature to Transfr Papr: Pressure Roller
	104	Updraft Fan
	105	Blower Fan
	106	Side Fan
	107	Vacuum Fan
	108	Updraft Fan Shutter
	109	Side Fan Shutter

Category	No.	IMSS setting
	110	Switch Paper Load Upper Limit
	111	Paper Feed Mode (Adjust Fan Level)
	112	Double Feed Detect
	113	Illumination Mode for Color Paper Detection
	114	Color Paper Edge Detection Adjustment
	115	Regist Jam Detection with Feed Dir
	116	Deactivate Image Position Adjustment Across Feed Dir
	117	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.
	118	Process Speed Setting
	119	Feed Speed Adj. of Tr.-Fusg. Tr. Belt 1
	120	Feed Speed Adj. of Tr.-Fusg. Tr. Belt 2
	121	Fusing Feed Speed Adjustment
	122	Decurlr 1 Trnsprt Motor Feed Speed Adj
	123	Decurlr 2 Trnsprt Motor Feed Speed Adj
	124	Cooling Transport Motor Feed Speed Adj
	125	Adjust Paper Curl
	126	Adjust Paper Curl: Temperature Adjustment 1
	127	Adjust Paper Curl: Temperature Adjustment 2
	128	Adjust Paper Curl: CPM Adjustment 1
	129	Adjust Paper Curl: CPM Adjustment 2
Machine: Productivity	130	Rdc. Init. CPM: 1 Sd.: Low Tmp. Envir.
	131	Rdc. Init. CPM: 1 Sd.: N/H Tmp. Envir.
	132	Rdc. Init. CPM: 2 Sd.: Low Tmp. Envir.
	133	Rdc. Init. CPM: 2 Sd.: N/H Tmp. Envir.
Finishing: Fold	134	Adjust Z-fold Position 1

Category	No.	IMSS setting
	135	Adjust Z-fold Position 2
	136	Adjust Half Fold Position
	137	Adjust Letter Fold-out Position 1
	138	Adjust Letter Fold-out Position 2
	139	Adjust Letter Fold-in Position 1
	140	Adjust Letter Fold-in Position 2
	141	Adjust Double Parallel Fold Position 1
	142	Adjust Double Parallel Fold Position 2
	143	Adjust Gate Fold Position 1
	144	Adjust Gate Fold Position 2
	145	Adjust Gate Fold Position 3

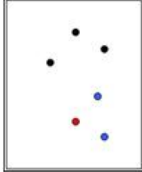
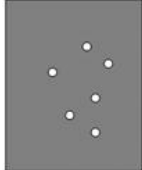

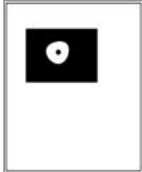
Image Quality

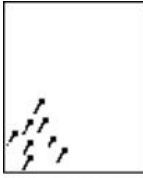
Definitions of Abnormal Images

Points

Spots

Definition: White spots seen in solid image areas or black/color spots seen where there should be nothing printed. The description "white spots" excludes those with toner cores.

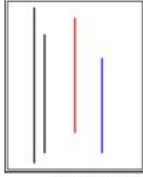
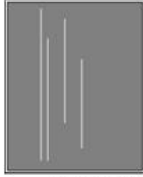
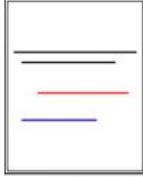

Type	Sample	Definition
Black (color) spots	 <p>d1352869</p>	Stains are visible as crisp black (color) spots.
White spots	 <p>d1352870</p>	White spots are visible inside solid image or halftone image areas because of missing toner.
Spots with toner	 <p>d1352871</p>	Toner aggregated inside the machine has been transferred to paper.
White spots with toner cores	 <p>d1352872</p>	White spots with pieces of aggregated toner in the center visible in solid color areas. Pieces of aggregated toner may not be removable.

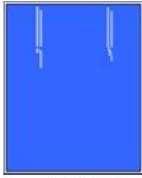


Type	Sample	Definition
Fish-shape stains	 <p>d1352873</p>	Stains in the shape of small fish which appear to be swimming in the paper feed direction.

Lines

Streaks



Definition: A smudge or a white area inside an image, in a linear shape with 1 mm or smaller width.

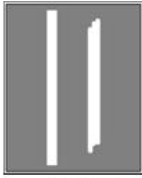

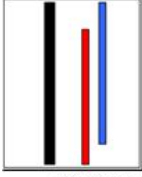
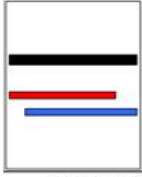

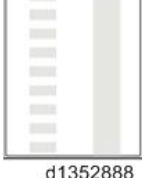
Type	Sample	Definition
Vertical black (color) streaks	 <p>d1352874</p>	Black (color) streaks appearing in the paper feed direction.
Vertical white streaks	 <p>d1352875</p>	Image missing in the shape of streaks in the paper feed direction.
Horizontal black (color) streaks	 <p>d1352876</p>	Black (color) streaks appearing perpendicular to the paper feed direction.
Horizontal white streaks	 <p>d1352877</p>	Image missing in the shape of streaks perpendicular to the paper feed direction.

Type	Sample	Definition
Horizontal glossy streaks	 <p>d1352878</p>	Glossy streaks appearing in the paper feed direction.
Horizontal white streaks	 <p>d1352879</p>	Glossy streaks appearing perpendicular to the paper feed direction.
Image scratches	 <p>d1352880</p>	Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.

Bands

Definition: A smudge or a white area inside an image, in a linear shape with 1 mm or larger width.

Type	Sample	Definition
Jitter	 <p>d1352881</p>	Blurred area visible as bands perpendicular to the paper feed direction.
Banding	 <p>d1352882</p>	Banding at regular intervals perpendicular to the paper feed direction. (Gear eyes: Color unevenness in the same interval as the pitch of the gear.)

Type	Sample	Definition
Vertical white bands	 <p>d1352883</p>	White bands in the paper feed direction.
Horizontal white bands	 <p>d1352884</p>	White bands perpendicular to the paper feed direction.
Vertical black (color) bands	 <p>d1352885</p>	Black (color) bands in the paper feed direction.
Horizontal black (color) bands	 <p>d1352886</p>	Black (color) bands perpendicular to the paper feed direction.
Fuzzy lines	 <p>d1352887</p>	Blurred images in the shape of slightly winding bands in the paper feed direction.
Roller tracks	 <p>d1352888</p>	Stains on the transport rollers transferred to paper.

Plane

Whole area

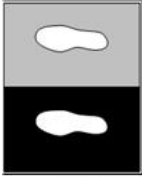

Definition: Images and text missing from the whole sheet.



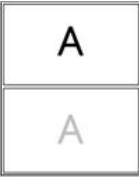

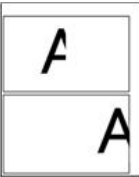
Type	Sample	Definition
All black	 d1352889	Copied paper is all black.
Blank	 d1352890	No image is reproduced.

6

Non-reproduction

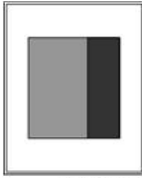
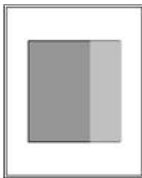



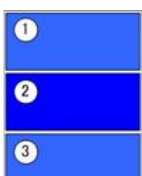
Definition: Parts of the developed images and letters are not reproduced.




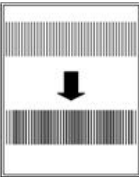

Type	Sample	Definition
White zone	 d1352891	Part of a solid image or halftone is missing.
Wormholes	 d1352892	The outline of a letter (or a line) is reproduced but the inside of it is missing.

Type	Sample	Definition
Halo	 <p>d1352893</p>	There is a white line around a solid object.
Negative residual image	 <p>d1352894</p>	Previously copied image is reproduced with its black and white reversed on the same page or the next page.
Positive residual image	 <p>d1352895</p>	Previously copied image is reproduced on the same page or the next page.
Offset	 <p>d1352896</p>	The same image is repeatedly transferred in the same interval.
Missing image	 <p>d1352897</p>	Developed image sliding in the subscan direction or missing.

Unevenness





Definition: The density of the developed image is uneven.

Type	Sample	Definition
High density	 <p>d1352898</p>	Image density higher than configured.
Low density	 <p>d1352899</p>	Image density lower than configured.
Uneven density	 <p>d1352900</p>	Image density is uneven within the same page.
Unevenness in indefinite shape	 <p>d1352901</p>	Image density unevenness in indefinite shapes.
Uneven glossiness	 <p>d1352902</p>	The glossiness is uneven inside a dark solid image. Check it by looking at the paper from different angles.
Color changing	 <p>d1352903</p>	During repeated printing, the color or the density changes from sheet to sheet.

Type	Sample	Definition
Color difference	 <p>d1352904</p>	The colors differ between the original and the output.
Rough image	 <p>d1352905</p>	Color is uneven and small white spots are visible inside a solid image. With color copiers, white spots may not appear when two colors are overlapped.
Earthworm shape	 <p>d1352906</p>	White area in a shape similar to an earthworm.
Moire	 <p>d1352907</p>	When superimposed on a regular pattern, a striped pattern at a regular interval may appear like an interference pattern. Halftones may become mosaics.
Blur	 <p>d1352908</p>	Image seemingly blurred in all directions.

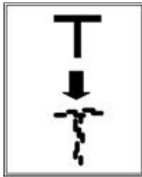
Stains

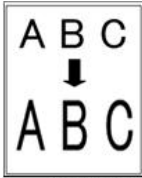
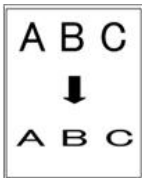
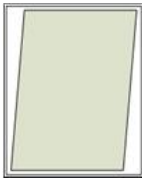
Definition: Areas outside letters or images are stained.

Type	Sample	Definition
Background stains	 <p>d1352909</p>	Granular stains are visible in unprinted areas of the paper.
Backside stains	 <p>d1352910</p>	Granular stains are visible on the backside of the paper.
Toner scattered	 <p>d1352911</p>	Toner scattered around a letter.
Edge stains	 <p>d1352912</p>	The side edges of paper are stained.

Irregularity

Definition: Image or text becoming irregular in comparison with the original.

Type	Sample	Definition
Irregularity	 <p>d1352913</p>	Image becoming irregular in comparison with the original.

Type	Sample	Definition
Image expansion	 <p>d1352914</p>	Image expanded abnormally in comparison with the original.
Image contraction	 <p>d1352915</p>	Image contracted abnormally in comparison with the original.
Skew	 <p>d1352916</p>	The corners of an image copied from a rectangle original are not square.

Scratches

Definition: Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.


Type classification2	Sample	Definition
Claw marks	 <p>d1352917</p>	Stains of toner that got on the paper when it came into contact with drum/fuser pawls.

Image shift

Definition: Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.

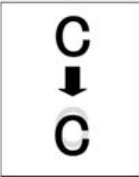
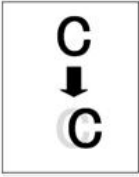


Type	Sample	Definition
Vertical image shift	 <p>d1352918</p>	Images and lines shifted in the paper feed direction.
Horizontal image shift	 <p>d1352919</p>	Images and lines shifted perpendicular to the paper feed direction.
Vertical color registration	 <p>d1352920</p>	Color shifted in the paper feed direction where colors should be overlaid.
Horizontal color registration	 <p>d1352921</p>	Color shifted perpendicular to the paper feed direction where colors should be overlaid.

Image Quality 001: Spots

Overview

White spots seen in solid colored areas or color spots seen in areas without images. The description "white spots" excludes those with toner cores.

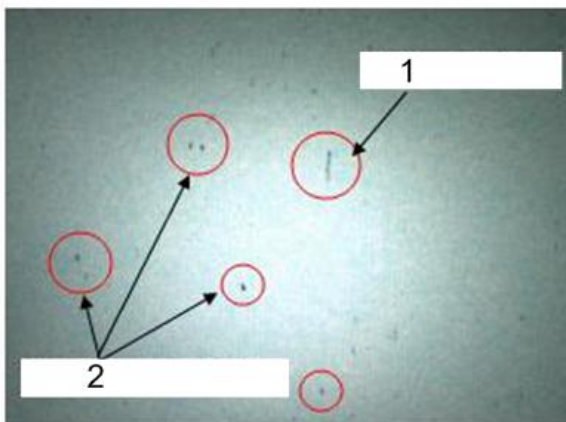
Item	Description
Small granular toner fixation	0.5-1 mm or trailing toner fixation may appear in halftone images.
Firefly	White spots with toner cores may appear inside solid images.

Item	Description
Color spots, toner droppings	Color spots: The background is dirtied with black (color) spots that appear clearly on the printouts. Toner droppings: Toner clumps formed in the machine are dropped onto the printed paper.
Color spots appeared on uneven paper	Color spots appeared on rugged surface when using uneven paper.

Small granular toner fixation

Symptom

Small clumps of toner are offset and appear as spots (0.5 to 1 mm in diameter) or short lines.



d135a3016

1. Short line
2. Spots (0.5 to 1 mm)

Conditions that increase the risk of this symptom

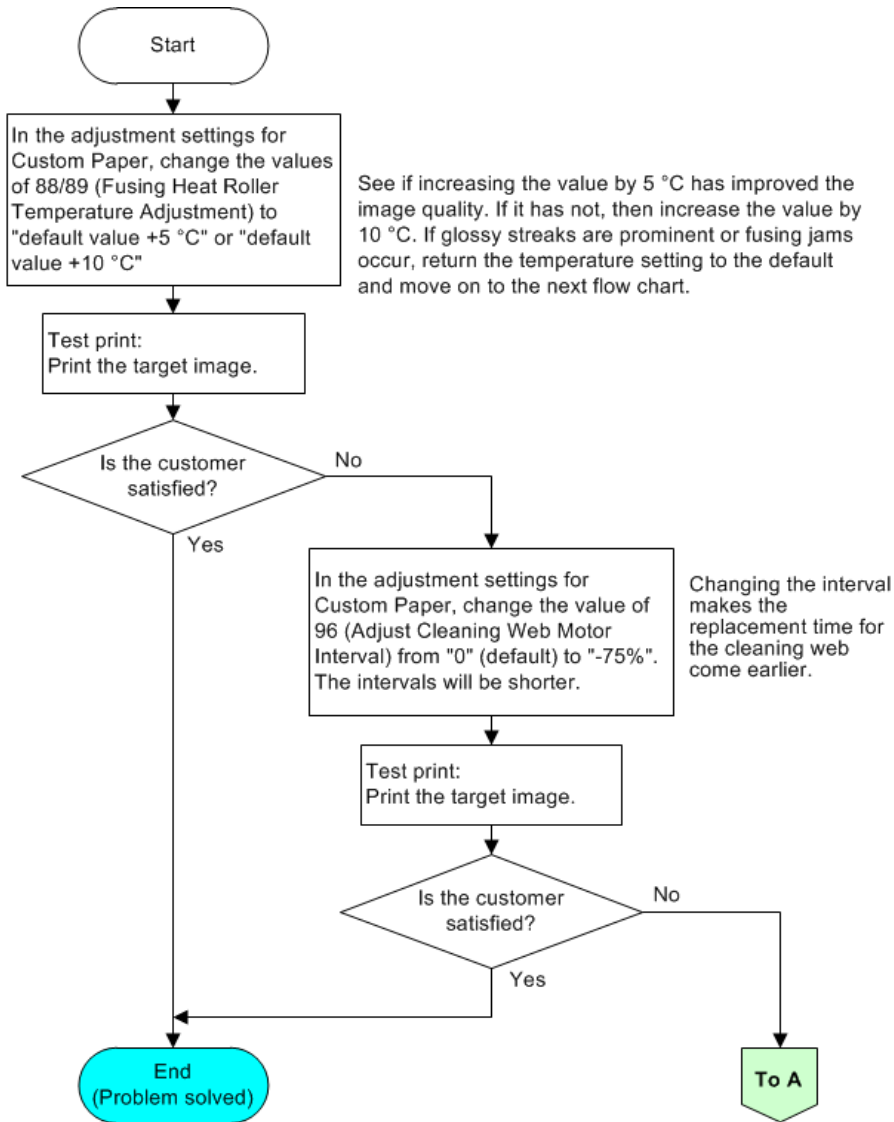
- Image pattern
Isolated dot halftone image
- Paper Type
Uncoated (especially rough surfaced) paper
- Paper feed mode
Duplex mode

Cause

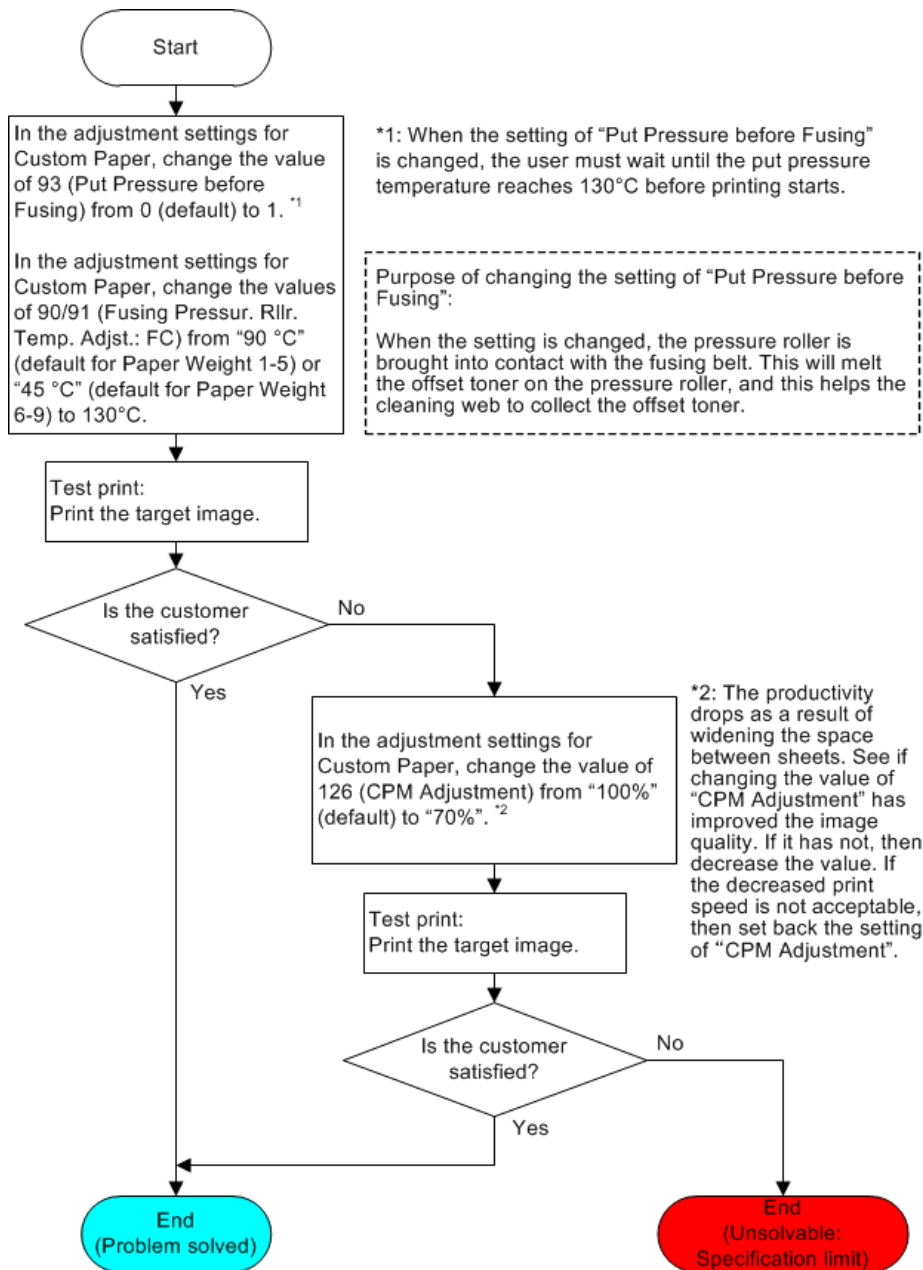
Toner clumps adhered to the pressure roller are not picked up by the cleaning web and offset to the printed paper.

The amount of toner that the cleaning web fails to pick up differs depending on the image data, paper feed mode and paper type so the symptoms also differ.

Action



w_m205a4166

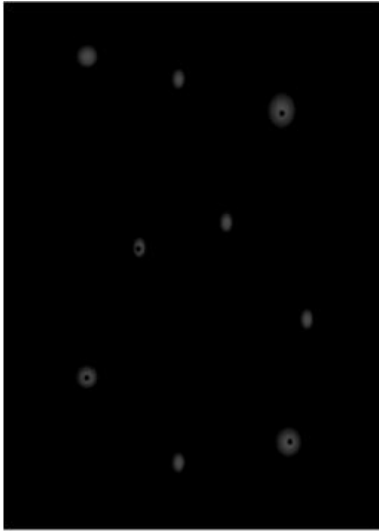


w_m205a4167

Firefly Spots

Symptom

White spots appear inside solid images/patches.



d1352842

Cause/Action (Overview)

6

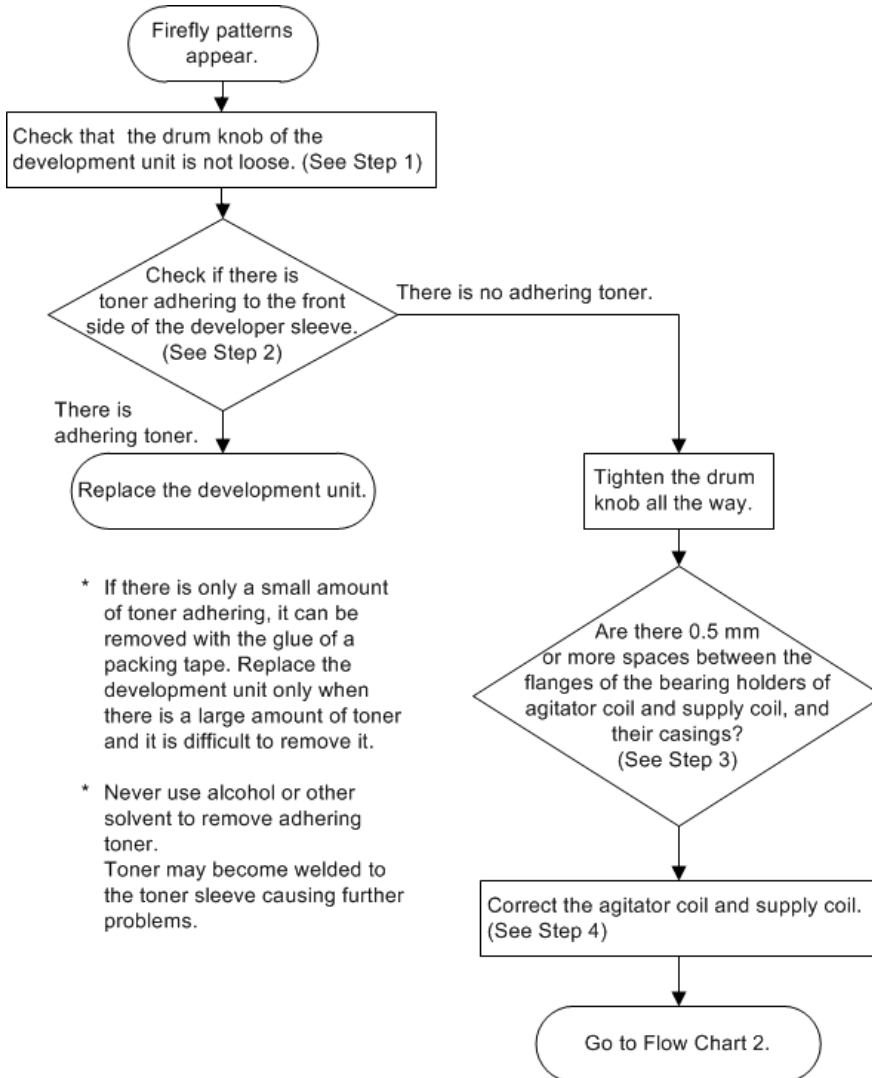
No.	Timing	Description	Cause/Action
1	Immediately after toner bottle replacement	Large number of firefly patterns (30 or more per A3 sheet)	<p>Toner cores have been generated because of transport/storage conditions.</p> <ul style="list-style-type: none"> • Replace the toner bottle with a new one. • Print about 200 to 400 A3 sheets of a full-page solid color image to put out the toner cores in the toner supply unit and the development unit.
2	Without relation to bottle replacement	A few to a large number of firefly patterns	<p>Toner cores have been generated inside the development unit.</p> <ul style="list-style-type: none"> • Check the positions of rear bearings of the triaxial screws and correct them if they are incorrect. Then print about 200 A3 sheets of solid color images. • If the positions of the bearings are correct and the frequency is within acceptable range, print about 200 A3 sheets of solid color images. • If the frequency is out of acceptable range, replace the development unit.

No.	Timing	Description	Cause/Action
3	Without relation to bottle replacement	A few to a large number of firefly patterns	<p>Toner cores have been generated because the space between the development sleeve and the OPC drum was narrow when removing or installing the OPC drum, which is caused by the drum knob being loose.</p> <ul style="list-style-type: none"> • Check if there is toner adhering to the surface of the developer sleeve (front side). Replace the development unit if there is. • If there is no adhering toner, tighten the drum knob all the way. • Print about 200 A3 sheets of solid color images to put out the toner inside the development unit.
4	Without relation to bottle replacement	-	<p>Toner cores have been generated in the toner bottle (resulting from the storage environment (temperature/humidity and the bottle being stored in a vertical position)).</p> <ul style="list-style-type: none"> • Replace the toner bottle. • Print about 200 to 400 A3 sheets of solid color images to put out the toner inside the toner supply section and the development unit.
5	Without relation to bottle replacement	-	<p>Toner cores have been generated in the sub hopper. (There have been no reports of the sub hopper being the cause.)</p> <ul style="list-style-type: none"> • If the frequency is within acceptable range, print about 200 A3 sheets of solid color images. • If the frequency is out of acceptable range, replace the sub hopper.

If there are a few firefly patterns per 10 A3 sheets, it is within specification.

Action (details)

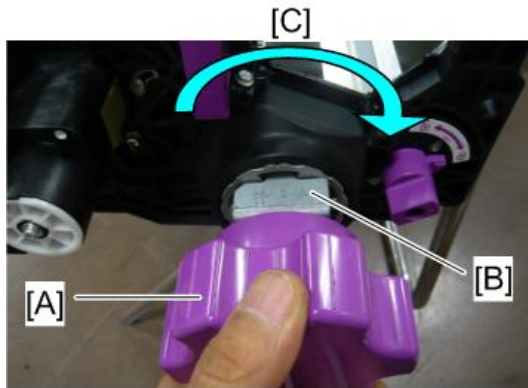
Flow Chart 1



w_m205a7001

1. Check that the drum knob of the development unit is not loose.

Perform the check using the drum knob tightener jig. If the drum knob rotates, the looseness of the drum knob is probably the cause of firefly patterns.



m205a6002

[A]: Drum knob tightener jig

[B]: Drum knob

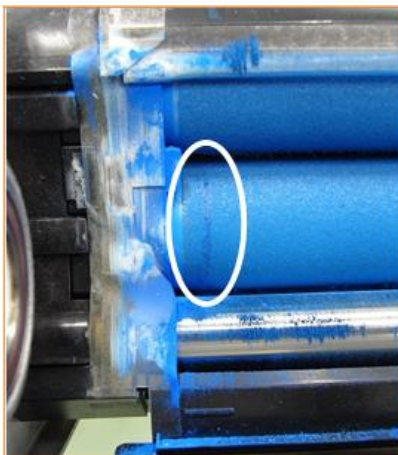
[C]: Tightening direction

★ Important

- When tightening the drum knob, be sure to withdraw the development unit and remove the drum cleaner beforehand, and use the drum knob tightener jig to tighten it. If you tighten it with the drum cleaner installed in the development unit, the OPC drum will be pushed by the drum cleaner and the position of the drum will be affected (the PG will be narrower).

2. Check the front side of the development sleeve to see if there is toner adhering.

Remove the developer in the front edge area (30 mm) of the upper/lower sleeve.

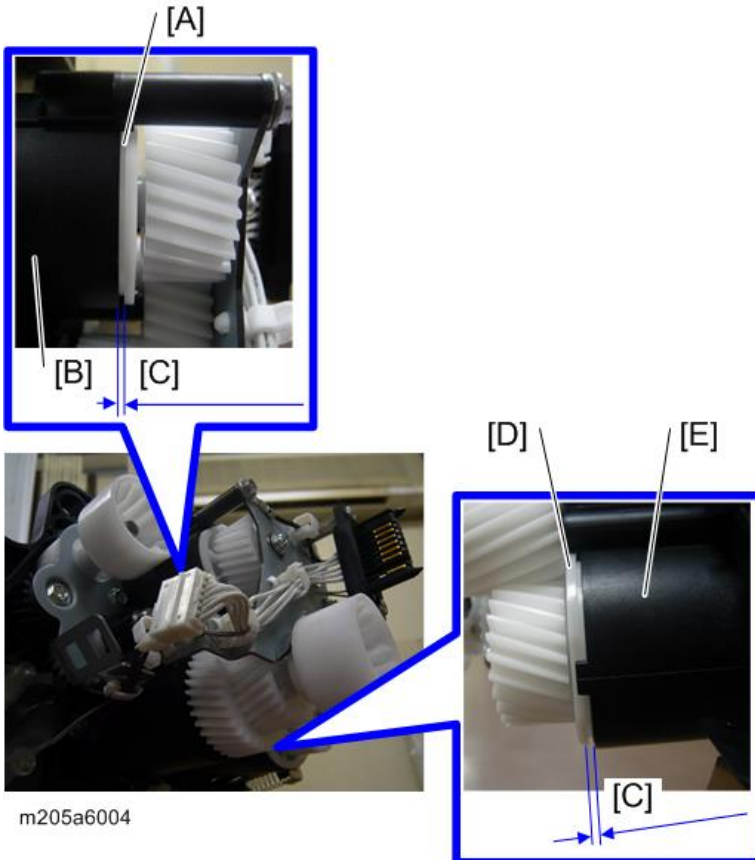


m205a6003

★ Important

- Check it regardless of the status of the knob because adhering toner may have appeared after the past event of development unit withdrawal (drum replacement, drum cleaner replacement, etc.).

3. Check the bearing holders of the agitator coil and supply coil.



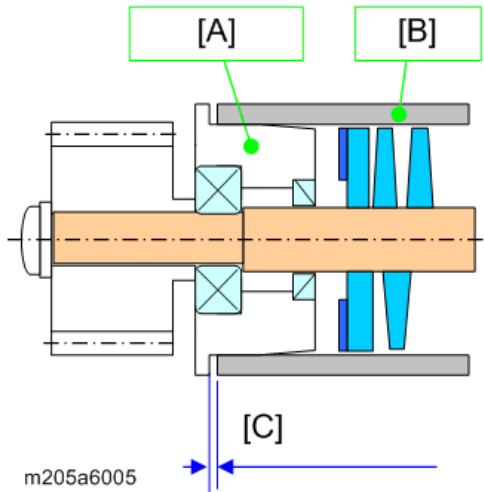
[A]: Flange of the bearing holder (rear side of supply coil)

[B]: Casing (rear side of supply coil)

[C]: Check that the space is 0.5mm or wider.

[D]: Flange of the bearing holder (rear side of agitator coil)

[E]: Casing (rear side of agitator coil)



[A]: Bearing holder

[B]: Casing

[C]: Check that the space is 0.5mm or wider.

Note

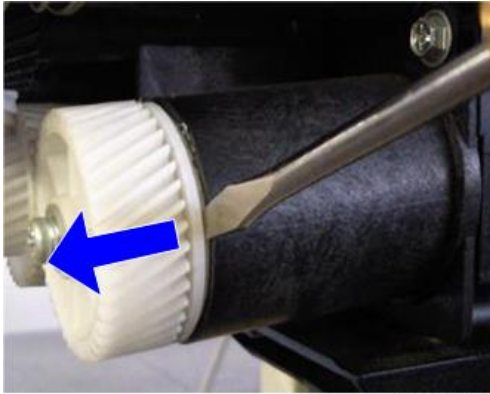
- No space is required between the flange and the casing of the bearing holder at the rear side of the collection coil.



m205a6006

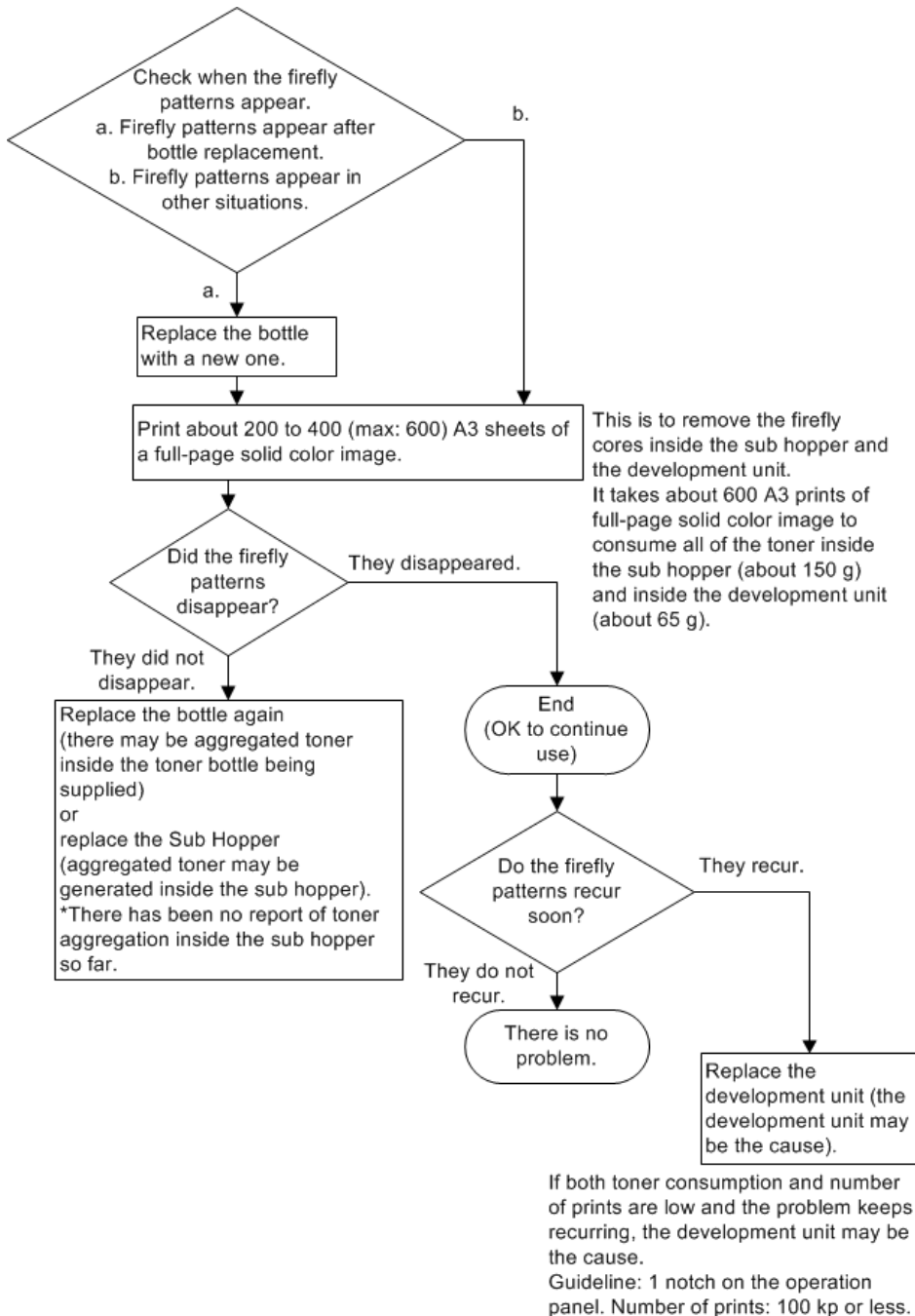
4. If the space is narrower than 0.5 mm, correct the agitator coil and/or the supply coil.

Pry the flange of the bearing holder with a flat-blade driver (preferably a jeweler's screwdriver) evenly all around.



m205a6007

Flow Chart 2



w_m205a7002

Color spots, dropped toner

Symptoms

Color spots: The background is dirtied with black (color) spots that appear clearly on the printouts.

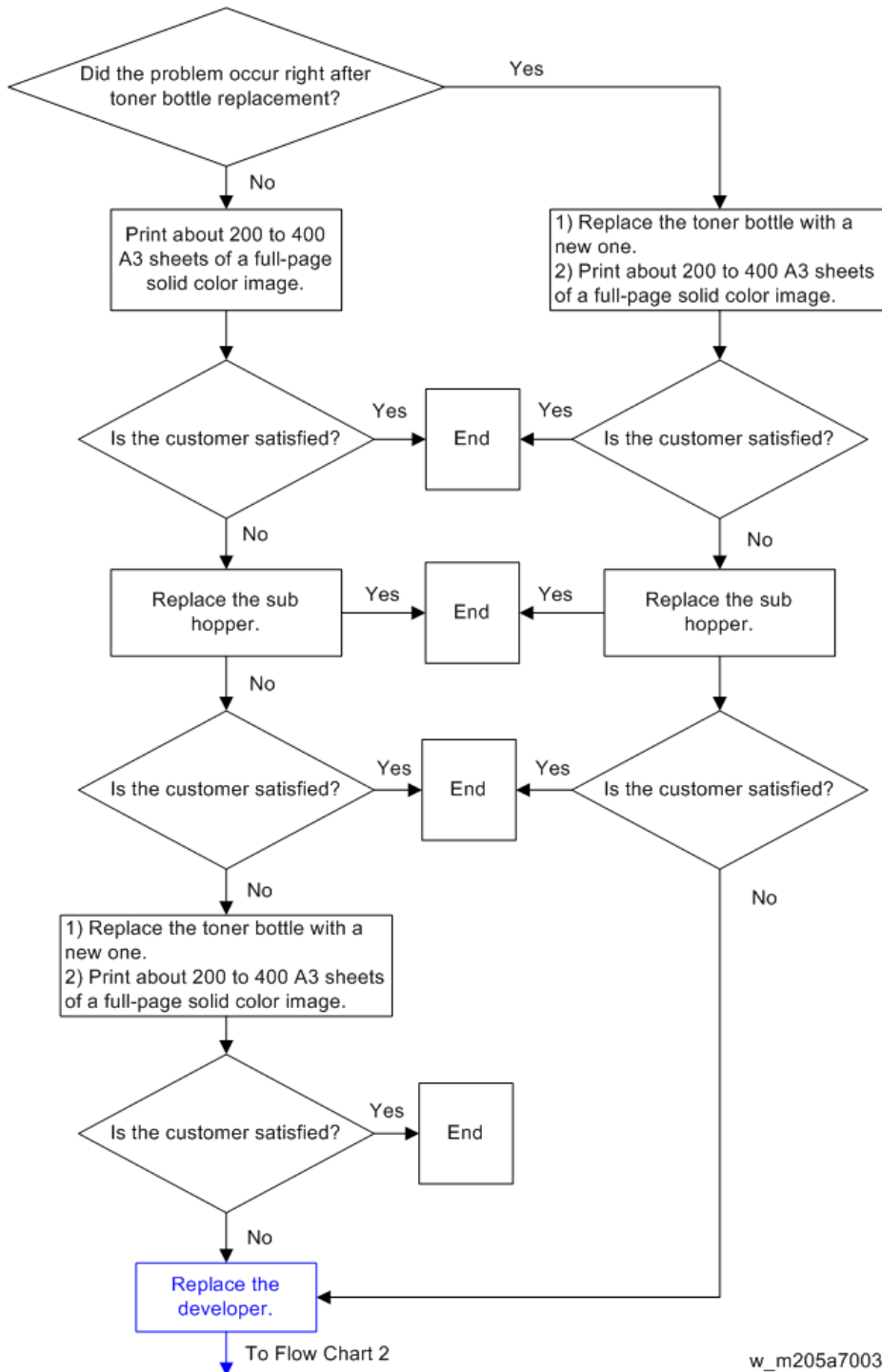
Dropped toner: Toner clumps formed in the machine are dropped onto the printed paper.

Cause

Toner aggregation caused by being left too long in a high-temperature, high-humidity environment

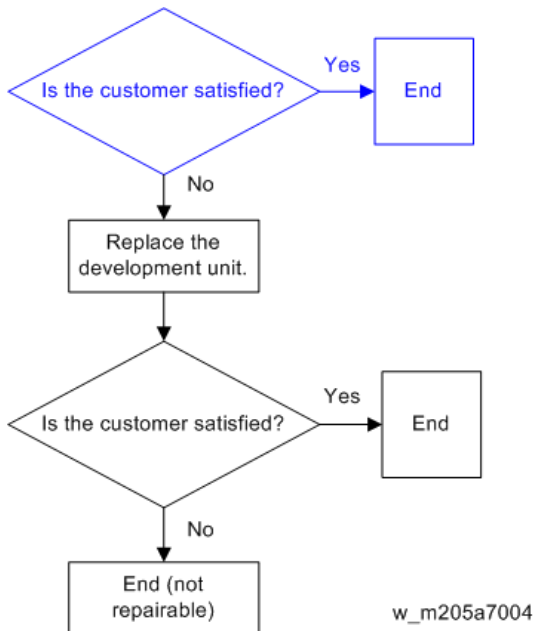
Action

Flow Chart 1



Flow Chart 2

w_m205a7003



Color spots appeared on uneven paper

Symptoms

Color spots appear on rugged surface when using uneven paper.

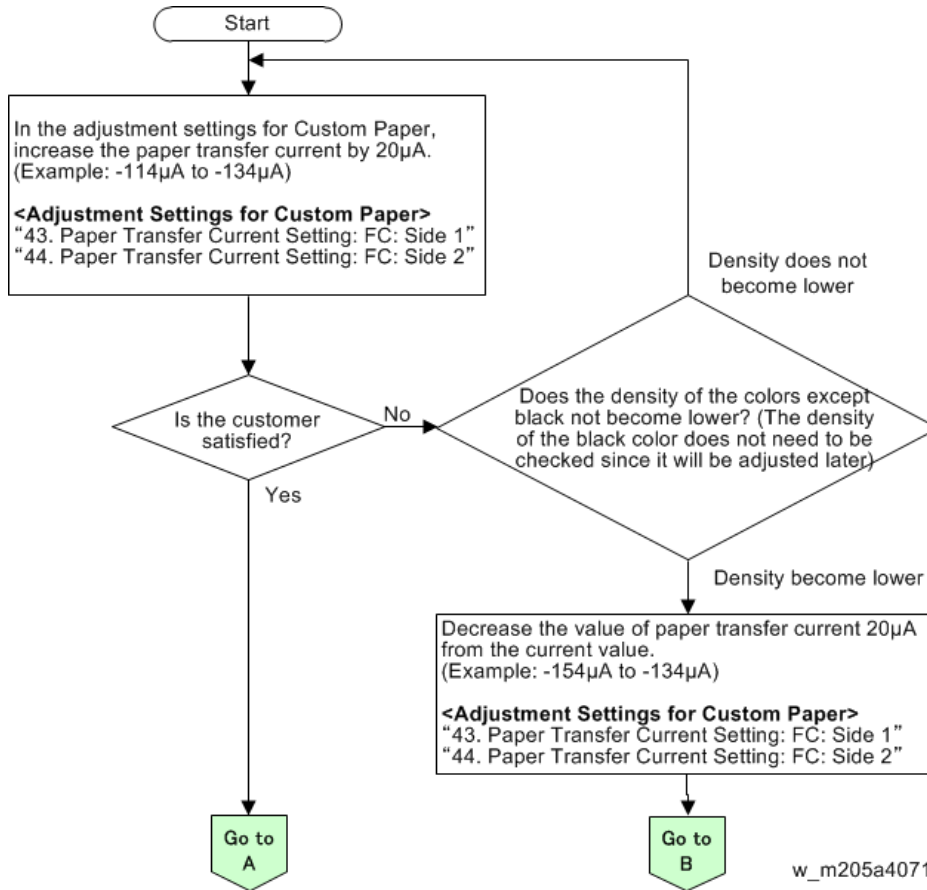


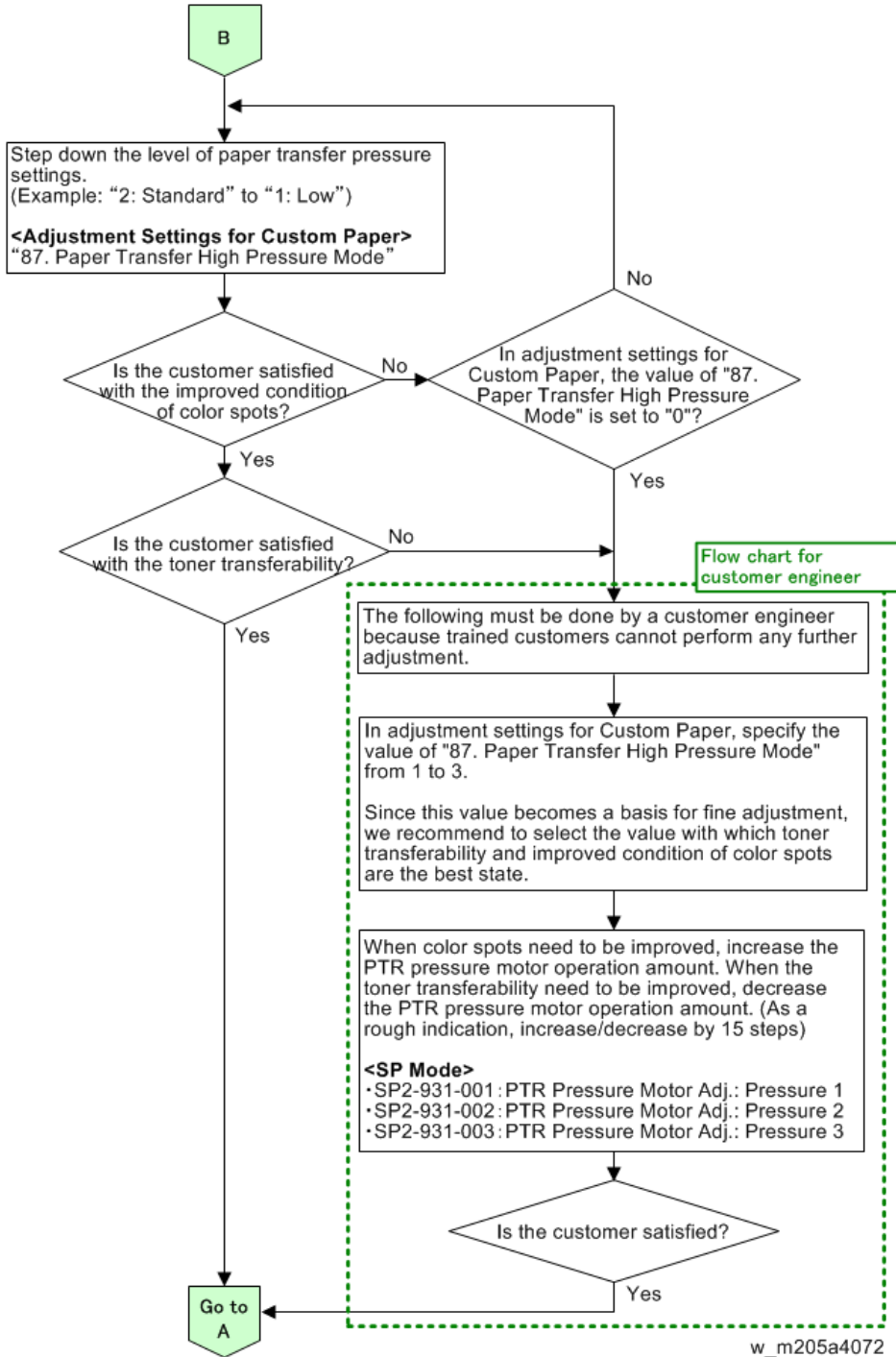
m205a0086

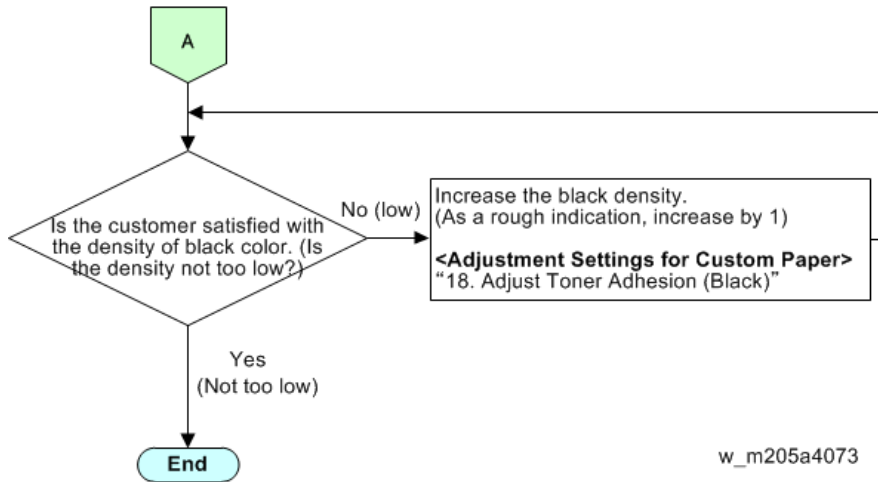
Cause

The air in the indentations was compressed and flowed to the upstream side of the paper feed direction when the Intermediate transfer belt contacts the indentations of uneven paper. And then the toner on the upstream side of the paper feed direction is pushed to the downstream side by the compressed air. When the force which pushes toner is larger than the electrostatic sticking force of the toner, toner is flipped and color spots appear.

Action







You can also avoid low density of black color by printing black text and graphics as a four-color black using C, M, Y, K with Command WorkStation.

1. Select [Properties].
2. Select [Color] tab.
3. Select [Expert Settings] in color mode.
4. Select [Gray & Black Processing Options].
5. Select [Normal] in [Black text and graphics] to print the black text and graphics as a four-color black using C, M, Y, and K toner.

If you select [Pure Black On] in [Black text and graphics], the machine prints black text and graphics as a one-color black, using black toner only.

Image Quality 002: Streaks

Overview

A smudge or a white area inside an image in a linear shape.

Item	Description
Vertical black or colored streaks, dim white streaks	Black or colored streaks 5 or 6 mm wide appear in halftone areas. Dim white streaks appear in halftone areas.
Vertical white streaks	Image missing in the shape of streaks in the paper feed direction.

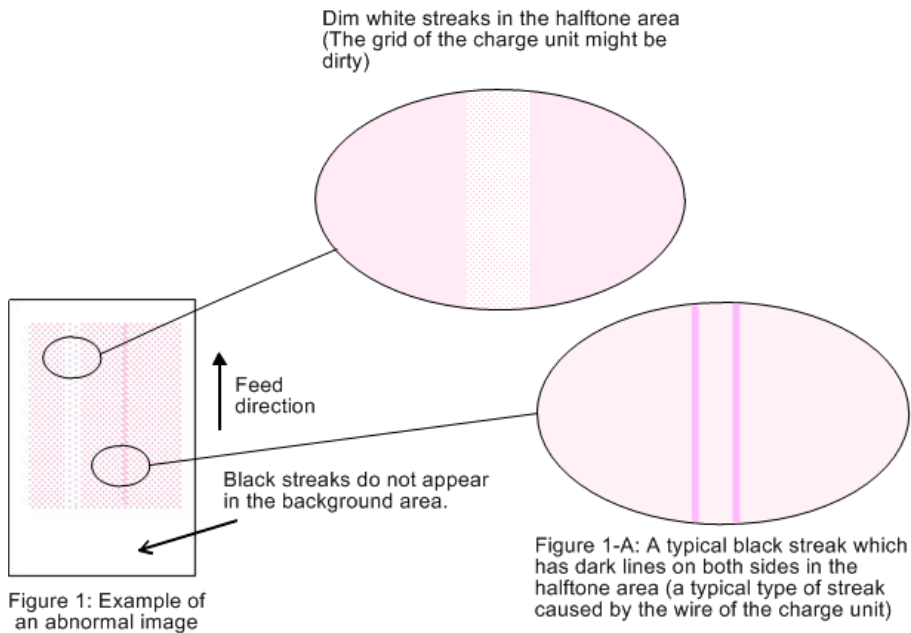
Item	Description
Vertical white streaks at the sides of paper when feeding large width paper after small width paper	Vertical white streaks appear at the sides of the paper (outside the width of the small width paper).
Mixture of vertical color streaks and white streaks	Both vertical black (color) streaks and vertical white streaks are seen.
Horizontal white streaks in the area 21 mm from the trailing edge	Horizontal white streaks appear in the area 21 mm (20 to 22mm) from the trailing edge.
Horizontal streaks on thick paper	Horizontal streaks (shock-jitter) appear on thick paper.
Horizontal streaks on the first side of a long sheet of thick paper	Horizontal streaks (shock-jitter) appear on the first side of a long sheet of thick paper.
Oblique wavy streaks	Oblique wavy streaks appear.
Image scratches at the trailing edge	Scratches appear at the trailing edge of the image when feeding paper which has a high degree of rigidity.
Flaws on the image	Flaws are generated in the image on the paper surface.

Vertical black or colored streaks, dim white streaks

Symptom

Black or colored streaks 5 or 6 mm wide appear in halftone areas.

Dim white streaks appear in halftone areas.



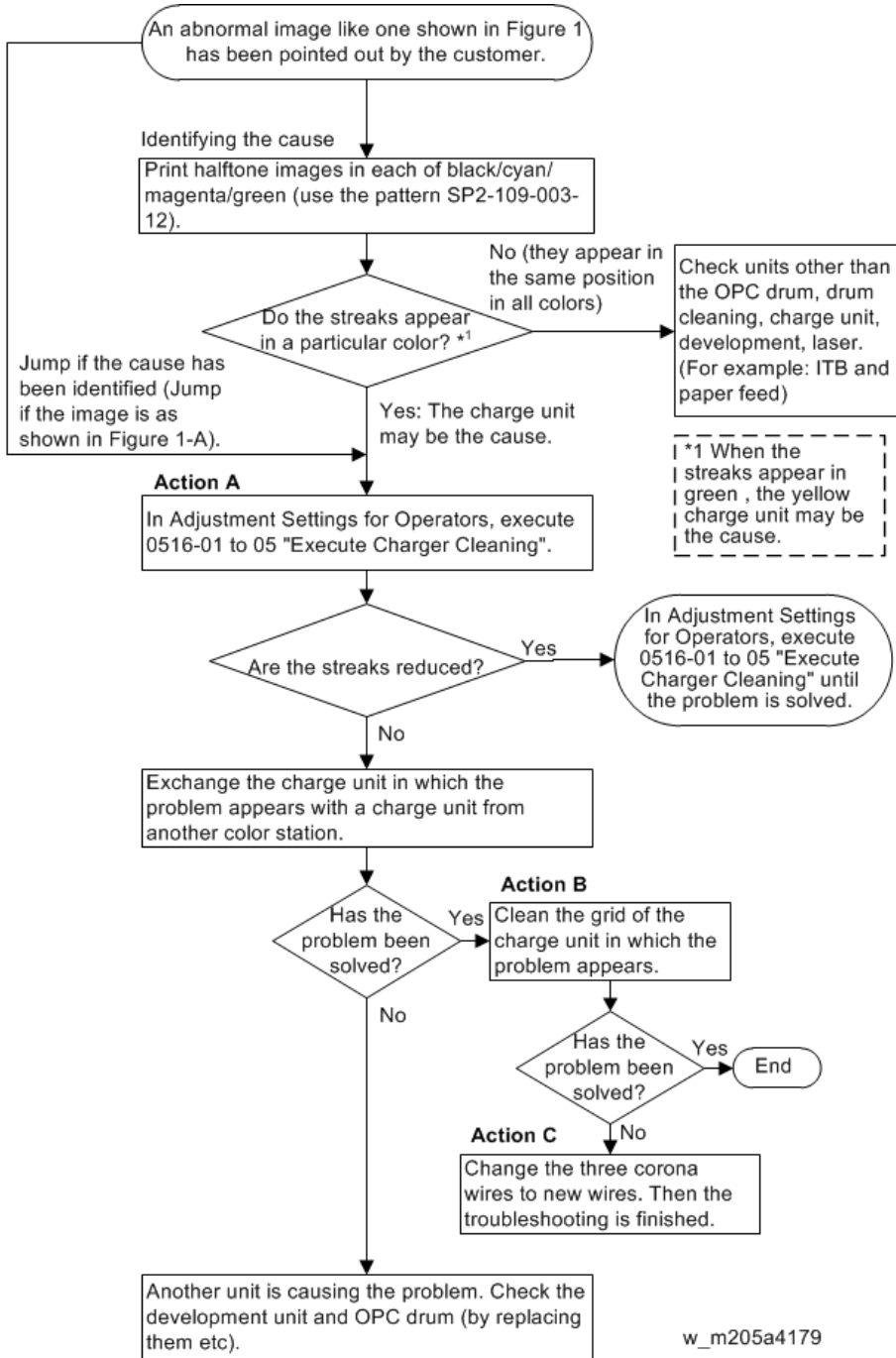
w_m205a4178

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Cause

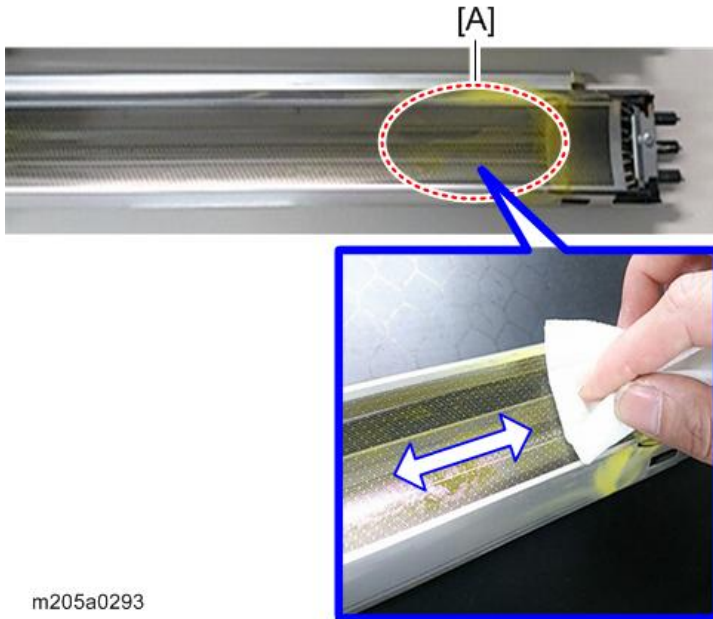
- Black or colored streaks and dim white streaks may appear occasionally, caused by foreign objects sticking to the corona wire or grid in the charge unit. Correct this by executing Actions A and B. The color of the streak shows the color of the charge unit that needs maintenance.
- Black or colored streaks may also appear at the end-of-life of the corona wire, when smudges accumulate on it. Correct this by executing Action C.

Action

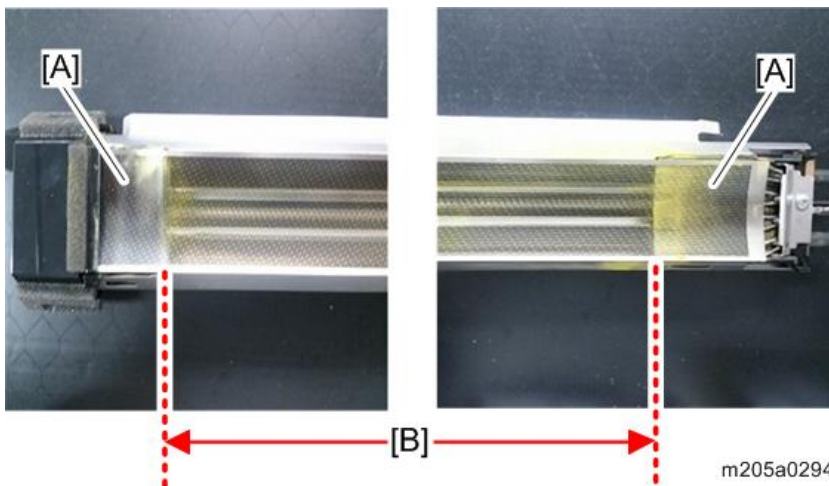


Cleaning procedure for the grid of the charge unit

- Carefully wipe off the toner from the stained area [A] with a dry cloth. To prevent damage to the grid, move the dry cloth in the direction of the arrow. (Do not press the dry cloth against the stained area. Wipe off the toner with a stroking action.)



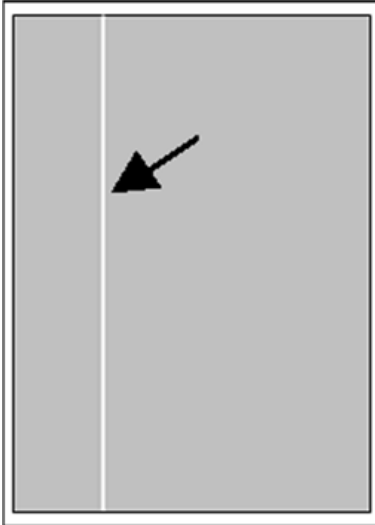
- Clean the area [B] between the two end blocks [A].



Vertical white streaks

Symptom

Part of the image is missing in the shape of a streak in the same direction as the paper feed direction.



m205a6012

6

Characteristics

- A constant straight line from the leading edge to the trailing edge of the page.
- The position is the same on all pages.
- Appears on a specific color.

Cause

1. The toner shield glass is dirty.

White streaks appear because the toner shield glass is dirty, which causes the radiated light to be uneven.

2. The charge unit is dirty or has reached the end of life.

White streaks appear because the charge unit is dirty or has reached the end of life, which causes the charging to be uneven.

3. Foreign object stuck in the development unit gap

White streaks appear because there is a foreign object stuck in the development unit gap, which causes the absence of toner on the development roller.

Action

1. The toner shield glass is dirty.

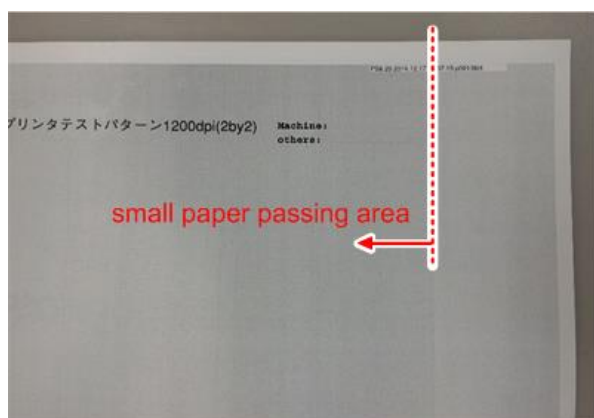
See Action 1 of "Mixture of black vertical streaks and white streaks".

2. The charge unit is dirty or has reached the end of life.
See Actions 2 and 3 of "Mixture of black vertical streaks and white streaks".
3. Foreign object stuck in the development unit gap
See Actions 4, 7 and 8 of "Mixture of black vertical streaks and white streaks".

Vertical white streaks at the sides of paper when feeding large width paper after small width paper

Symptom

Vertical white streaks appear at the sides of the paper (outside the width of the small width paper). It is more distinguishable on a halftone image.



w_m205a4153

Standards for judgment

- The white streaks appear after performing continuous printing of more than 500 sheets.
- The width of the inner high density area matches the width of the small width paper.

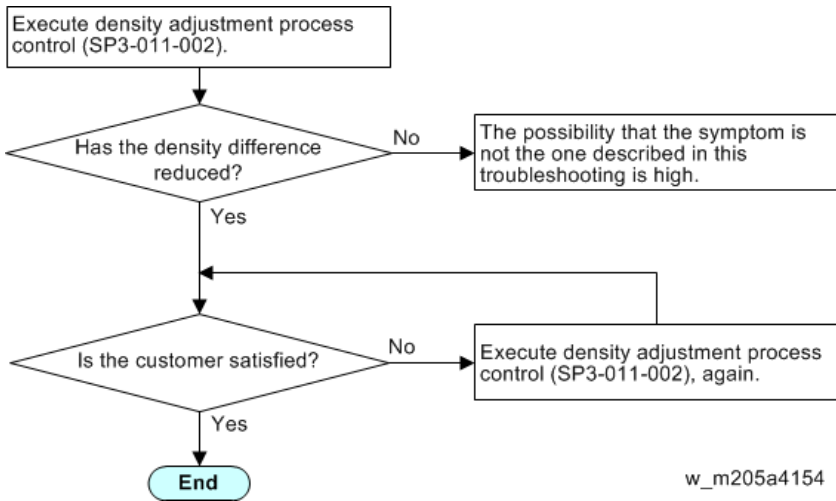
Occurrence Conditions

The above problems are likely to occur when the intermediate transfer belt is new.

Cause

When performing continuous printing on small width paper, lubricant is removed from the area of the intermediate transfer belt where the paper passes. The amount of lubricant on the area of belt where the paper passes differs from the amount outside this area. Therefore, when feeding large width paper after feeding small width paper, image density differs between inside and outside of this area.

Action



6

Mixture of vertical color streaks and white streaks

Symptom

Both vertical black (color) streaks and vertical white streaks are seen.

Cause

- The toner shield glass is dirty.
- The charge unit is dirty or has reached the end of life.
- Foreign object stuck in the development unit gap

Action (Overview)

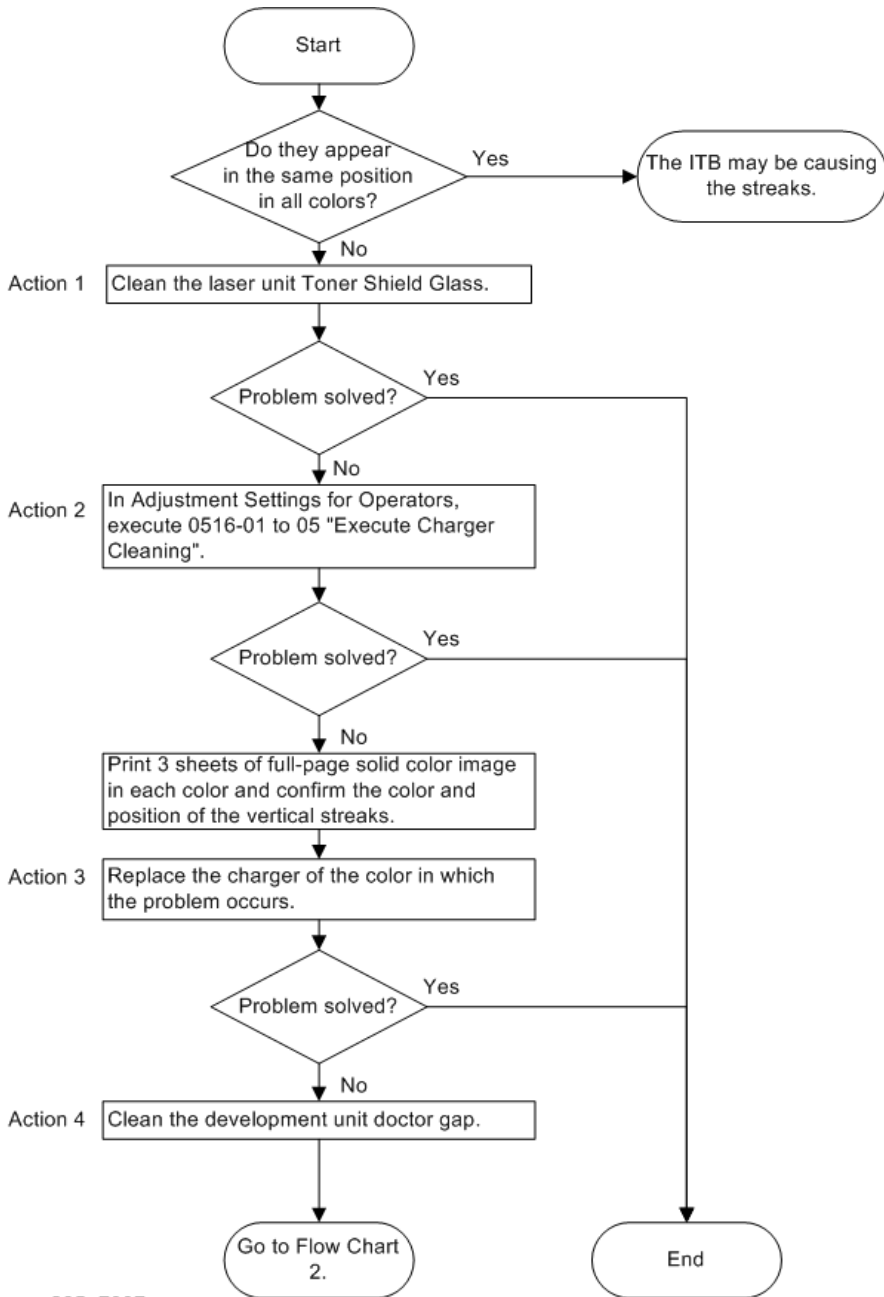
No.	Symptom	Action	Assumed cause	Position	Detail
1	Vertical white streaks	Cleaning	The toner shield glass is dirty.		
2	Vertical color streaks	Cleaning	Uneven charging caused by dirty charger		Adjustment Settings for Operators: Execute Charger Cleaning
Print a solid color image of the corresponding color (Internal pattern: Solid single color)					

No.	Symptom	Action	Assumed cause	Position	Detail
3	Vertical color streaks	Part replacement	Uneven charging caused by dirty charger		Charge unit replacement
4	Vertical white streaks	Cleaning	Foreign object stuck in the development unit doctor gap		Cleaning of development unit doctor gap
5	Vertical color streaks	Part replacement	Chipped blade		Drum cleaner replacement
6	Vertical color streaks		Damaged OPC drum		OPC drum replacement
7	Vertical white streaks	Part replacement			Developer replacement and cleaning of development unit doctor gap
8	Vertical white streaks	Part replacement			Development unit replacement

Action (Details)

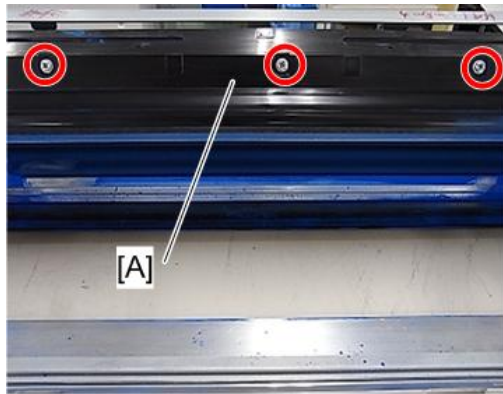
Use the customer's image at all times to judge the results.

Flow Chart 1



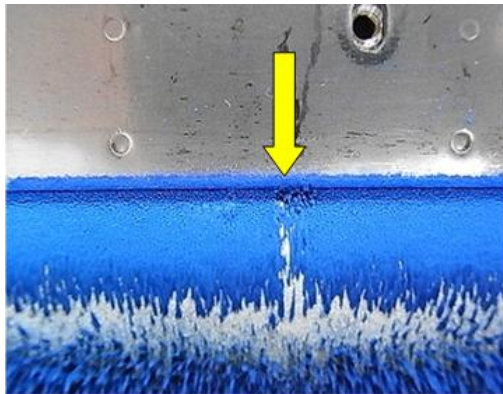
w_m205a7007

Details of Action 4: Cleaning of development unit doctor gap



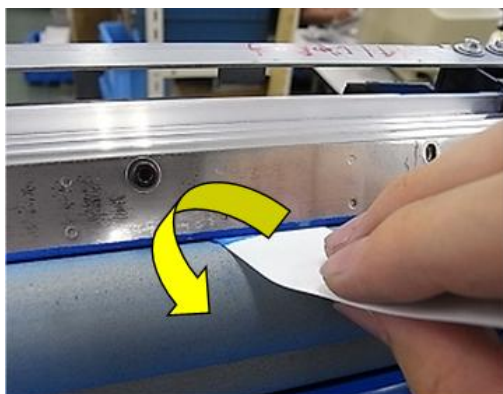
m205a6013

Withdraw the development unit from the main unit, remove the cleaner and OPC drum, and then remove the development unit upper cover [A] after removing 3 screws.



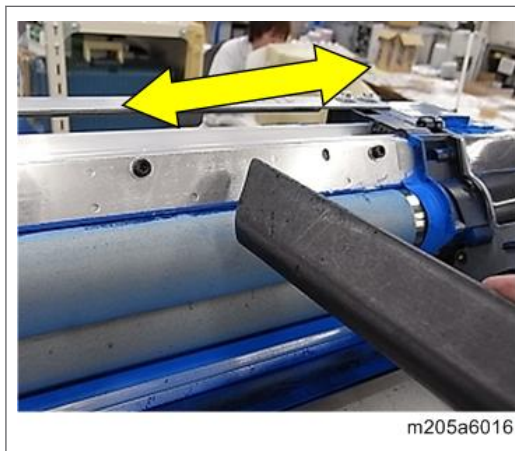
m205a6014

Remove the upper cover of the development unit of the color with which white streaks appear, rotate the development roller in the normal direction, and check if developer on the sleeve is missing in some areas.



m205a6015

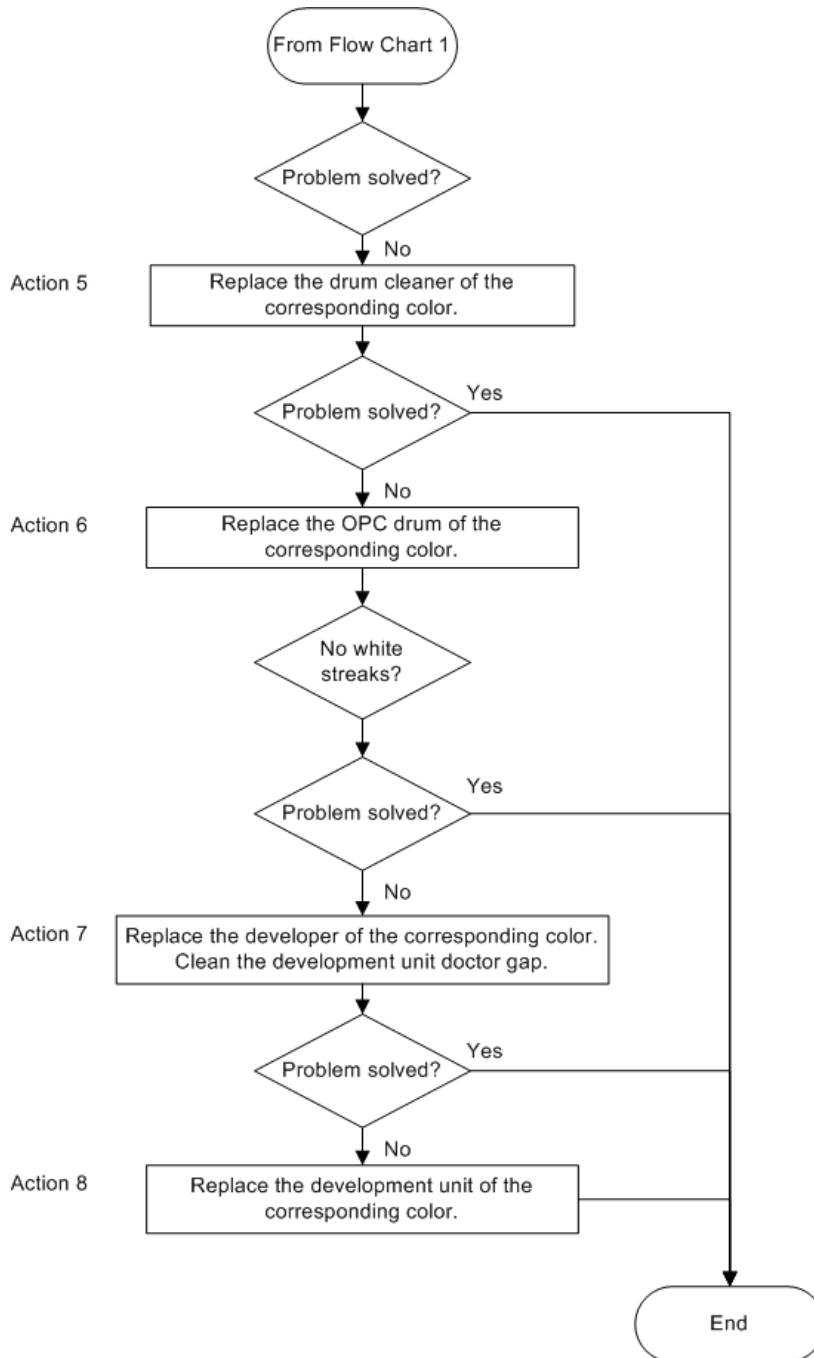
Rotate the development roller in the normal direction until the developer is all gone, and then use a piece of cut paper to rake out the developer in the doctor gap.



Clean the raked out developer using a vacuum cleaner for powders. Take care not to damage the sleeve.

When reattaching the upper cover, check that the cover is not floating and the seal is not folded, before screwing it.

Flow Chart 2

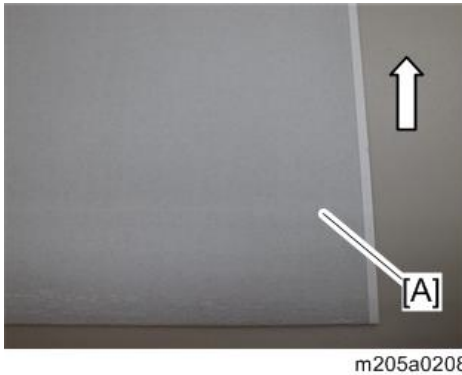


w_m205a7008

Horizontal white streaks in the area 21 mm from the trailing edge

Symptom

Horizontal white streaks [A] appear in the area 21 mm (20 to 22 mm) from the trailing edge.



The arrow indicates the paper feed direction.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

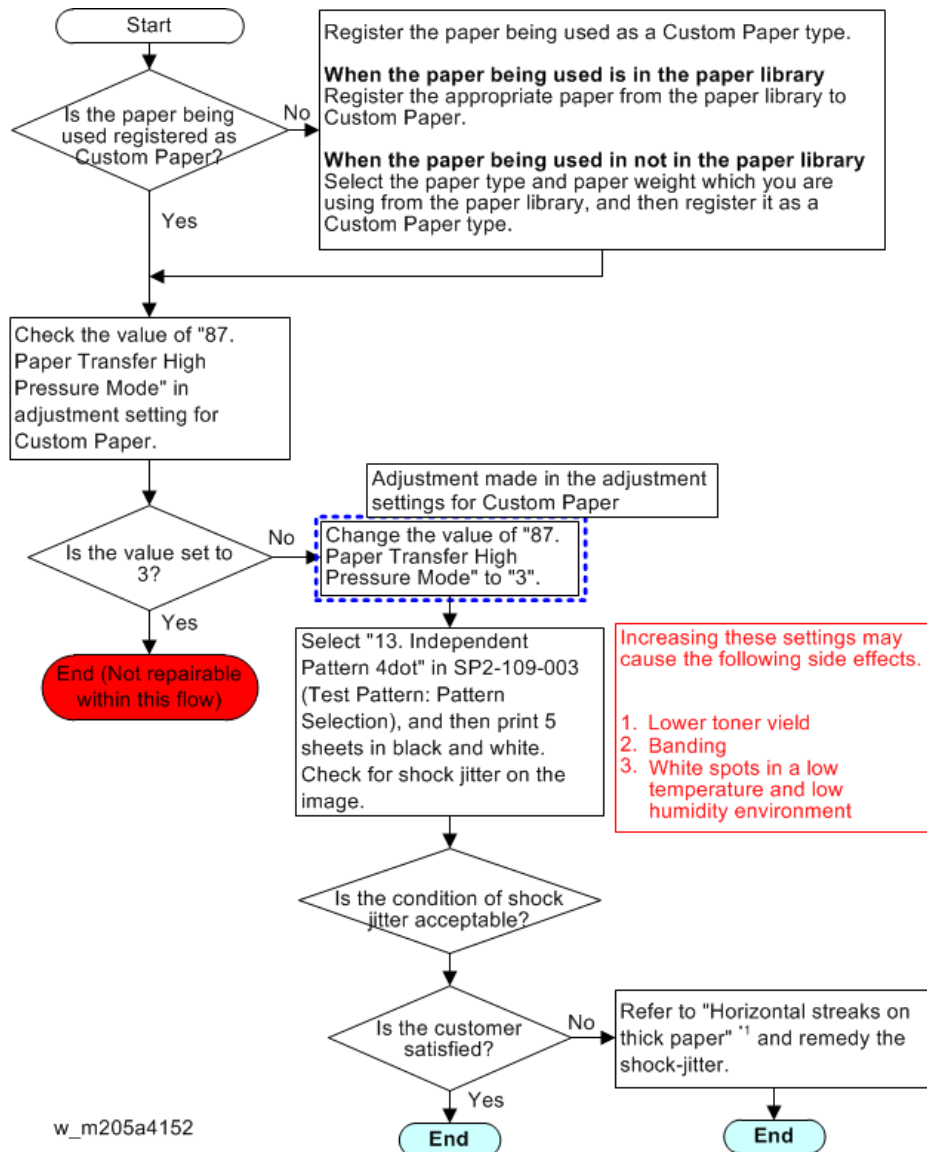
- Printing on thick paper or coated paper
- Creating a poster-size output in 1200 dpi by enlarging a single-page document to cover four sheets of paper using the poster function
- Creating a poster-size output in 1200 dpi by enlarging a single-page document to cover sixteen sheets of paper using the poster function

Cause

The machine transfers toner from the intermediate transfer belt to the paper by providing an electrical transfer field between the paper transfer bias roller and the paper transfer roller. There is a paper transfer entrance plate just before the transfer bias roller for adhering the intermediate transfer belt to the paper.

When the trailing edge reaches the paper transfer entrance plate, toner on the intermediate transfer belt scatters. Then the horizontal white streaks occur.

Action



* 1: See page 2253 "Horizontal streaks on thick paper".

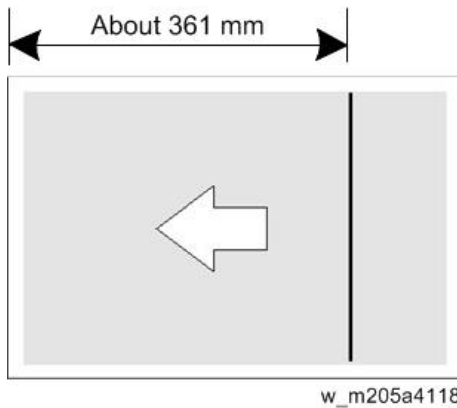
Horizontal streaks on thick paper

Symptom

Horizontal streaks (shock-jitter) appear on thick paper. It does not appear on the first sheet of the print. The area where horizontal streaks appear differs depending on the color and length of the paper.

- When using A3 paper, horizontal streaks appear at the following position from the leading edge.
Y: At about 238 mm from the leading edge
M: Horizontal streaks do not appear.
C: At about 188 mm from the leading edge
K: At about 412 mm from the leading edge
 - When using SRA3 paper, horizontal streaks appear at following position from the leading edge.
Y: At about 86 mm from the leading edge
M: At about 361 mm from the leading edge
C: At about 87 mm from the leading edge
K: At about 361 mm from the leading edge
- For example, when printing black color with SRA3 paper, horizontal streaks appear as shown below.

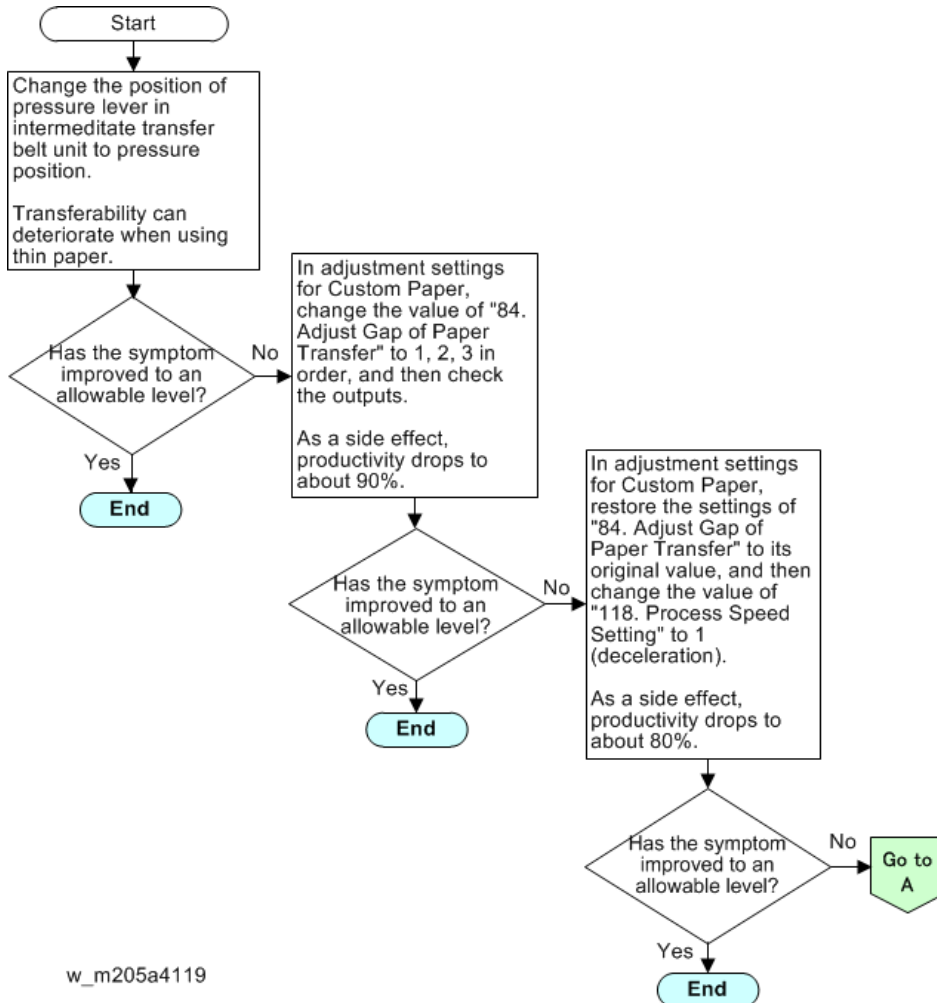
6

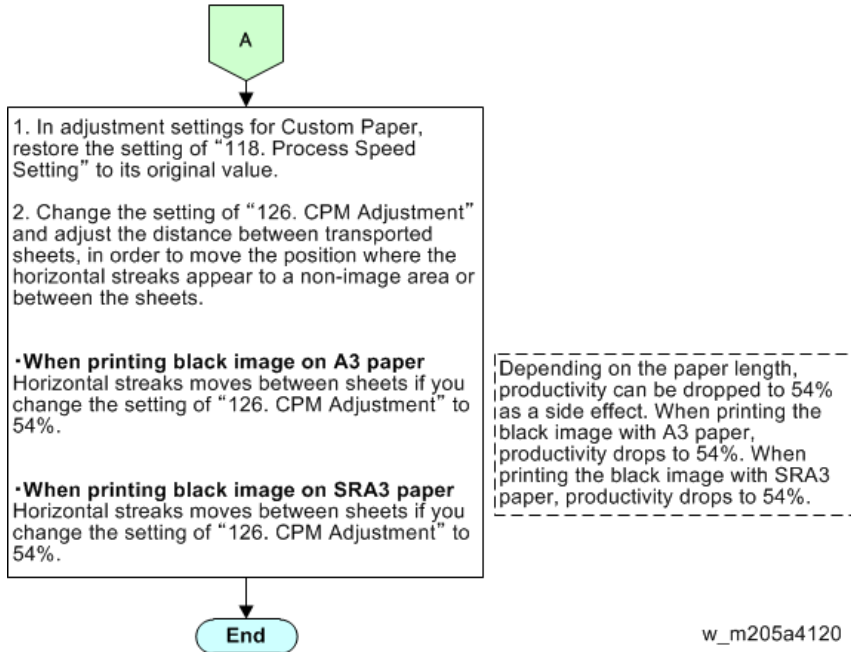


Cause

A shock occurred when the paper is transferred to the paper transfer section, and then the image is disturbed in the image transfer section.

Solution





Changing position of pressure lever in intermediate transfer belt unit

1. Open the front left door [A] and front right door [B] of the imaging section.



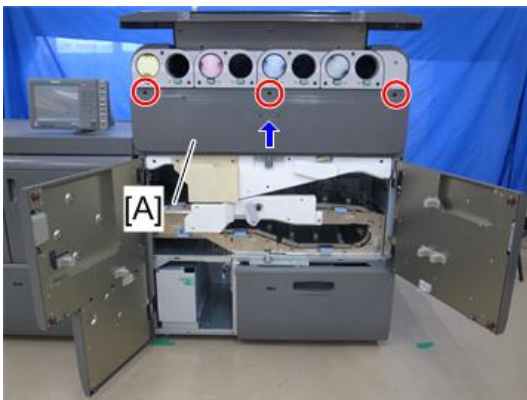
m205a2271

2. Open the toner supply unit cover [A].



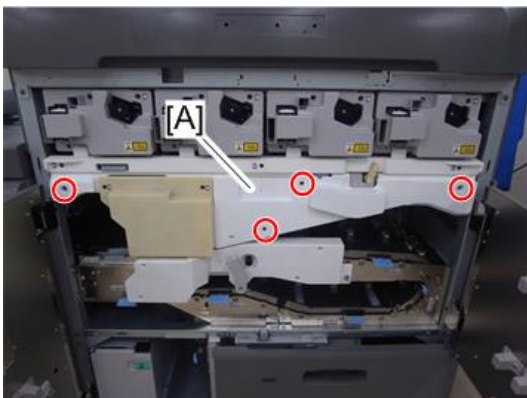
m205a1183

3. Lift the upper front cover [A] and remove it. (⚙️ x3)



m205a1184

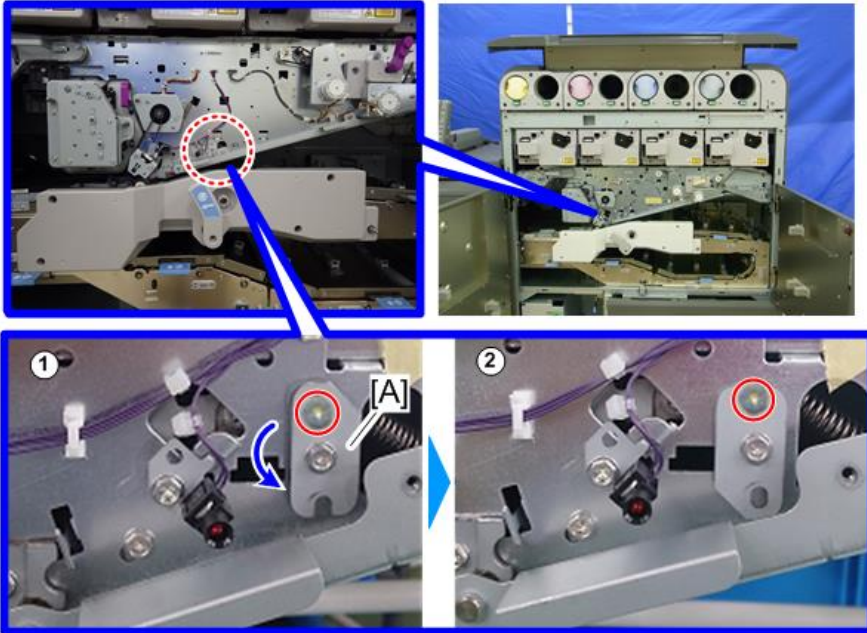
4. Remove the inner cover [A] of the ITB unit. (⚙️ x4)



m205a0095

5. Change the pressure lever position from the normal position to the pressure position.

1. Remove the shoulder screw of pressure lever [A], and then rotate it counter-clockwise by 180 degrees. (⚙️×1)
2. Tighten the pressure lever with shoulder screw. (⚙️×1)

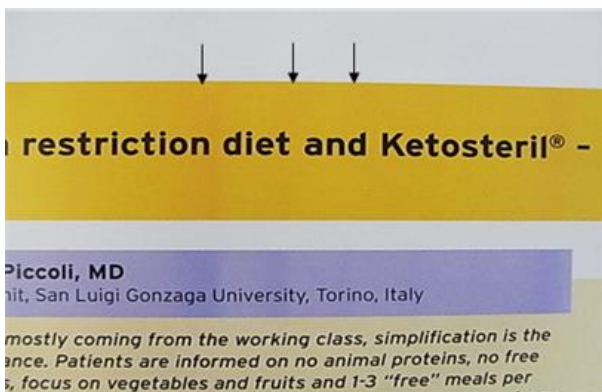


m205a0043

Horizontal streaks on the first side of a long sheet of thick paper

Symptom

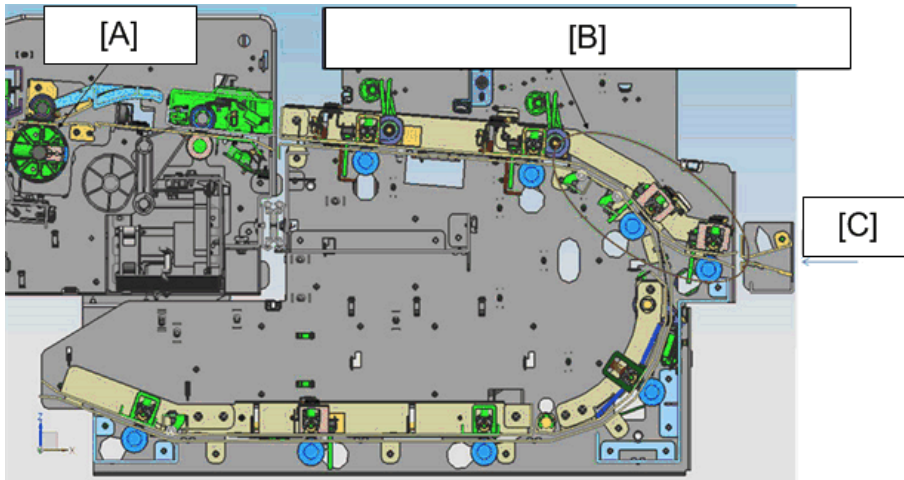
Horizontal streaks appear on the first side of a long sheet of thick paper. They only appear in the area between 370 mm and 440 mm from the leading edge on the first side of the sheet.



m205a4193

Conditions that increase the risk of this symptom

- Paper weight
350 gsm or heavier
- Paper length
630 mm or longer

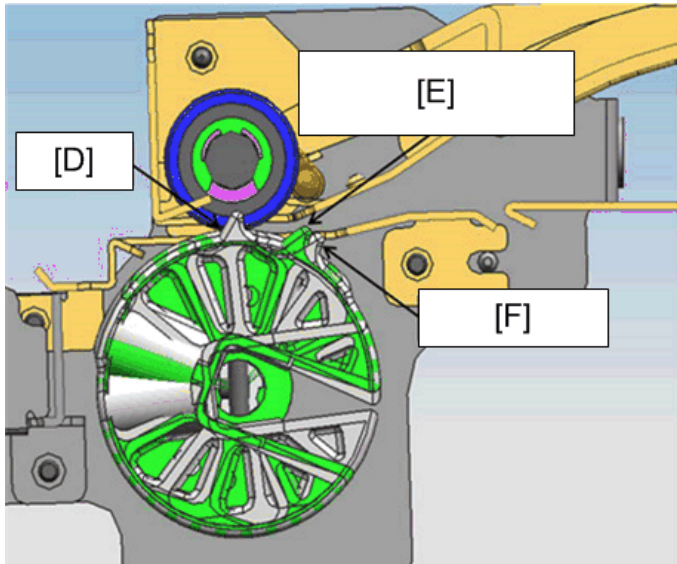
Cause

m205a4191

[A]: Rotary gate roller

[B]: S-shaped area of the paper path

[C]: Paper fed from the vacuum feed banner sheet tray



m205a4192

[D]: Rotary gate home position

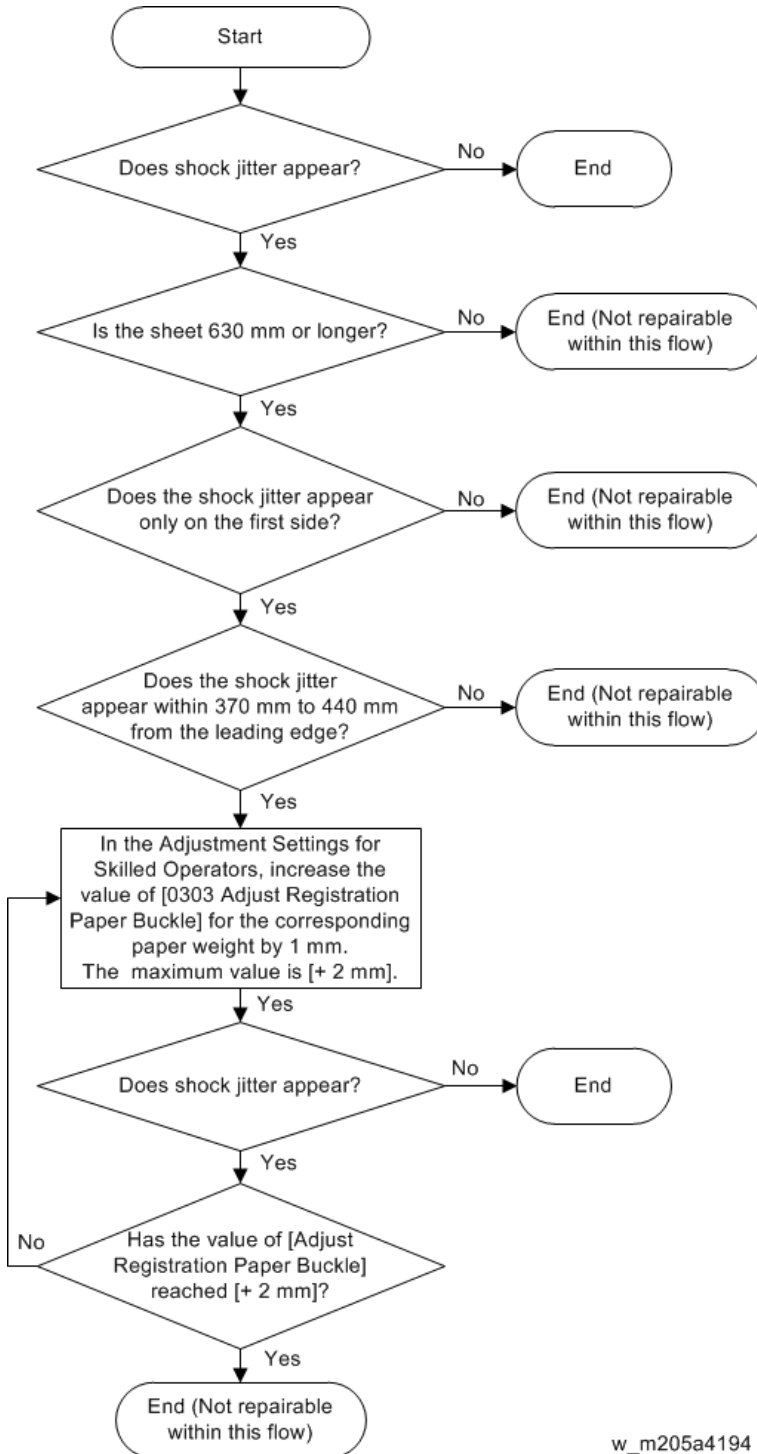
[E]: The gate position, which sticks out from the bottom of the paper path

[F]: The gate position, which is the correct waiting position

When printing on the first side of a long sheet, the rear of the sheet is in the S-shaped area of the paper path [B], causing the load to be 2 to 3 times higher than usual. The high load leads to rotation irregularities of the rotary gate roller [A].

The gate of the rotary gate roller [A] is supposed to be waiting at the bottom of the path at [F] until the trailing edge passes but when the sensor detects the position incorrectly because of too many rotation irregularities, the gate may stick out from the bottom of the paper path at [E] and hit the sheet, resulting in a shock jitter.

Action



w_m205a4194

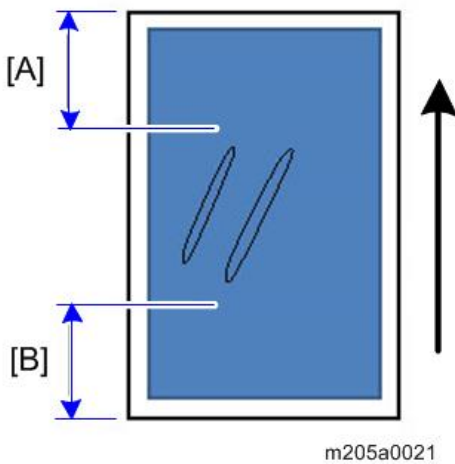
Note

- If [0303 Adjust Registration Paper Buckle] is set to 3 mm or a larger value and 350 gsm or heavier paper is fed, the Registration Timing Motor may become out of step and cause Jam 98.

Oblique wavy streaks

Symptom

Oblique wavy streaks appear. The inclination direction, length, and generation position of oblique streaks are not constant.



The arrow indicates the paper feed direction

- [A]: The oblique wavy streaks do not appear within 130 mm from the leading edge
- [B]: The oblique wavy streaks do not appear within 130 mm from the trailing edge

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Printing on the paper which paper weights is smaller than 105g/m².
- Printing on the paper which paper sizes is larger than A4 SEF (297mm).
- Printing the solid image.
- Duplex printing
- Printing on the paper which is left on the paper tray for a long period.

Cause

The leading edge of the paper which exits the fusing unit is curled. Since the leading edge is curled, the front side of the paper enters the paper cooling unit at a different time from when the rear side of the paper enters the paper cooling unit.

When the paper is nipped with the pressure roller of paper cooling unit in this state, a force aslant to the center axis is provided to the paper until the trailing edge exits the fusing unit, and then the oblique wavy streaks occur.

Action

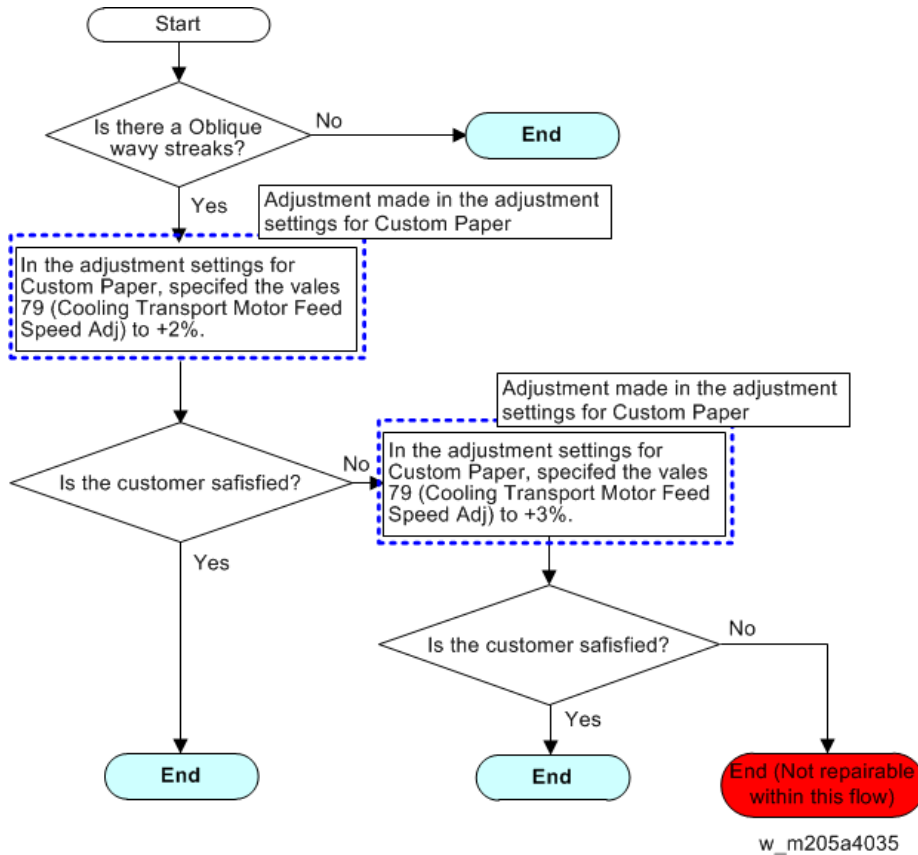


Image scratches at the trailing edge

Symptom

Scratches appear at the trailing edge of the image when feeding paper which has a high degree of rigidity.

Cause

The paper touches the ITB belt when the trailing edge of the paper exits the paper transfer entrance guide, and then image scratches appear.

Action

1. When storing the paper in a low humidity environment, make sure to wrap the paper with a packaging paper (the rear surface of the packaging paper must be coated) or with a plastic bag.

2. When loading the paper in the paper tray, make sure that the grain of the paper is fed at right angles to the paper feed direction.

Flaws on the image

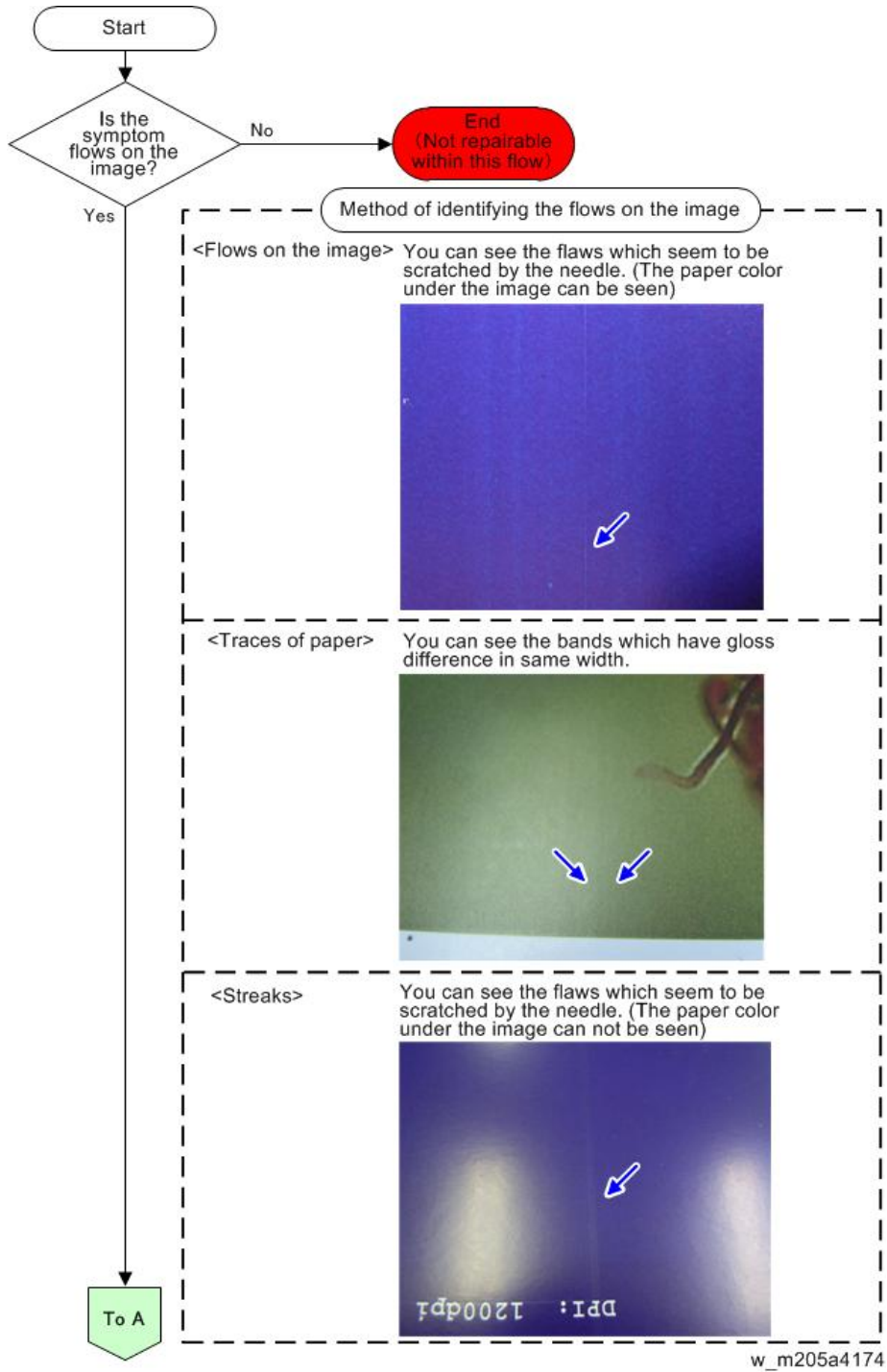
Symptom

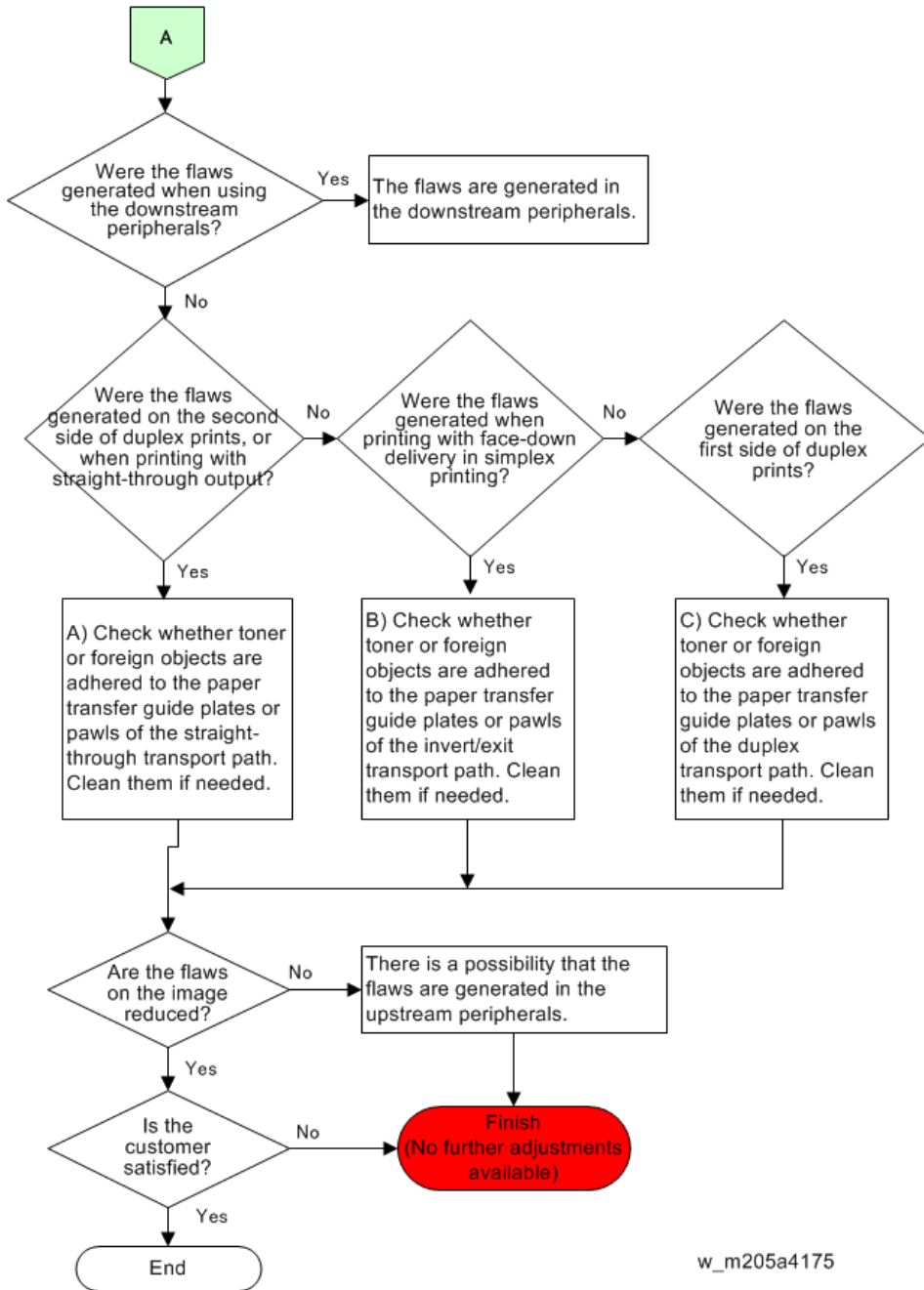
Flaws are generated on the image on the paper surface.

Cause

Flaws are generated when the paper surface is scratched by toner which is adhered to the metal plates/roller edges/ribs of the paper transfer guide plates inside the machine.

Action

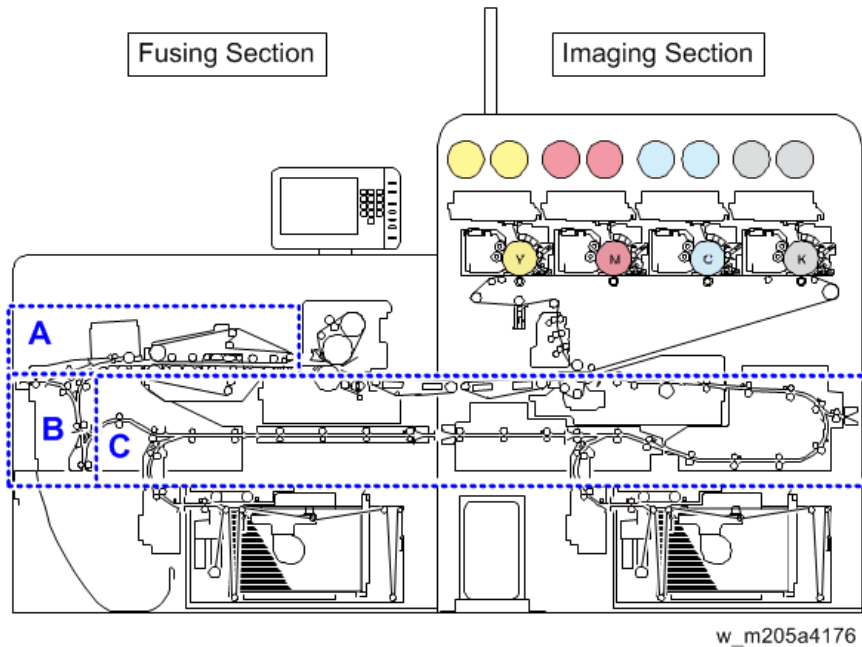




w_m205a4175

Checking and cleaning procedure when flaws are generated on the image

- When flaws are generated on the image, check whether toner or foreign objects are adhered in the fusing unit or to the paper transfer guide plates of the paper transport paths shown below. Then clean them if needed.

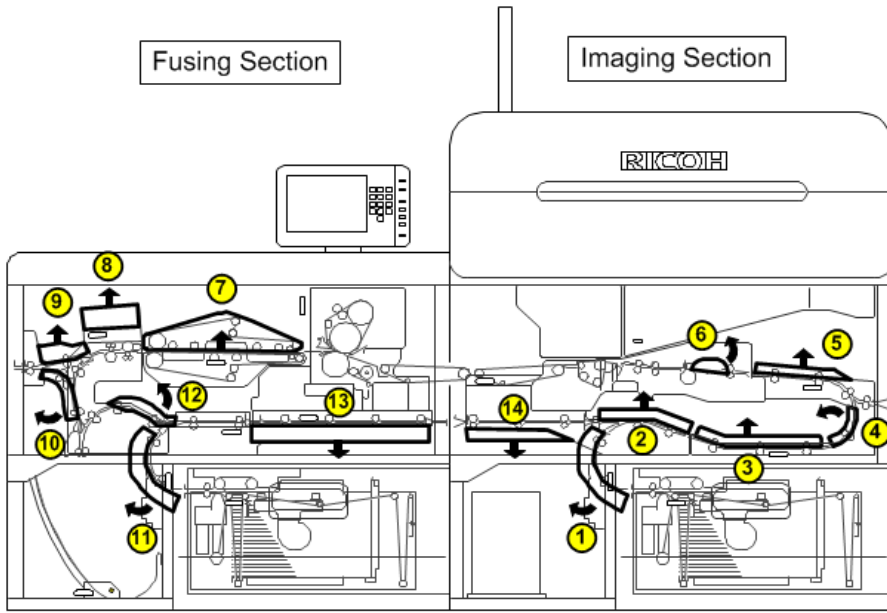


A) Straight-through Transport

B) Invert/Exit Transport

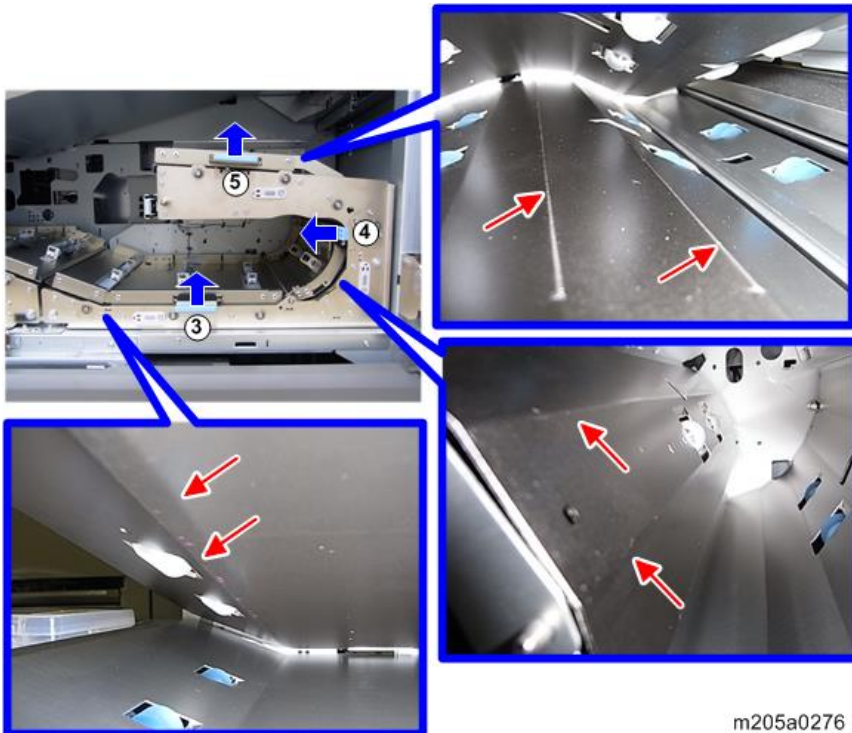
C) Duplex Transport

- When cleaning the rubber rollers/transfer belts/paper transfer guide plates/pawls of junction gates, clean with a dry cloth. When the foreign objects such as toner cannot be removed, clean them with a cloth made damp with ethanol.
- Check the fourteen paper transfer guide plates shown below. Make sure to clean the bending ridgelines of the paper guide plates (③, ④, ⑤, ⑩, ⑫) since flaws are likely to be caused by foreign objects adhered to those bending ridgelines.



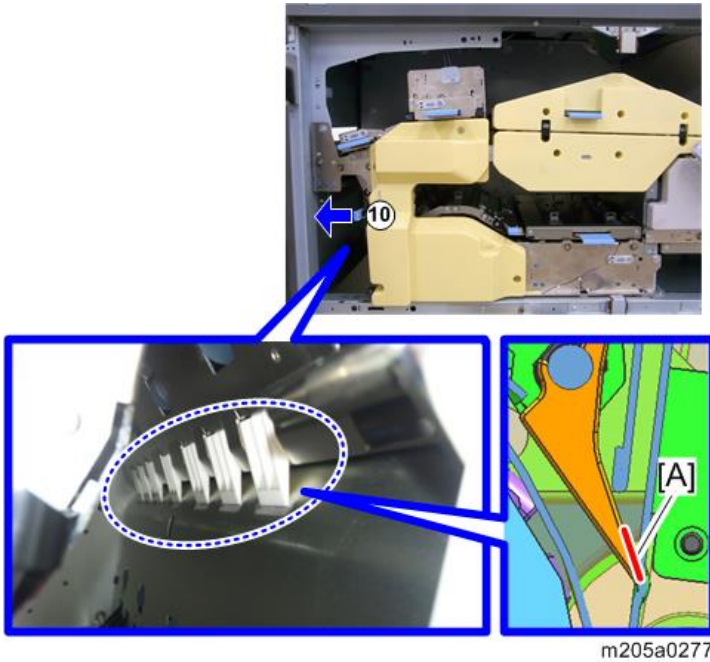
w_m205a4177

- When cleaning the paper transfer guide plates (③, ④, ⑤), check and clean the bending ridgelines indicated with red arrows below.

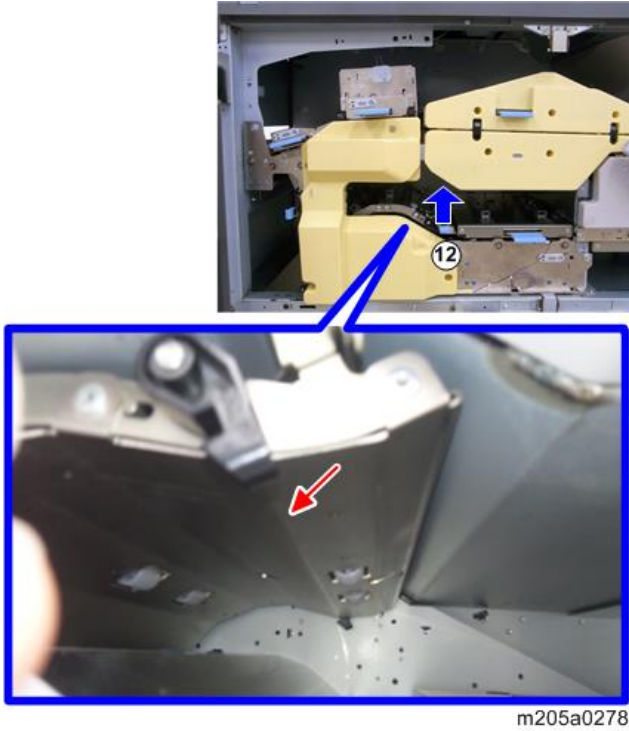


m205a0276

- When cleaning the paper transfer guide plate (10), check and clean the tip [A] of the gates shown below.



- When cleaning the paper transfer guide plate (12), check and clean the bending ridgeline indicated with a red arrow below.



m205a0278

Image Quality 003: Image Loss

Overview

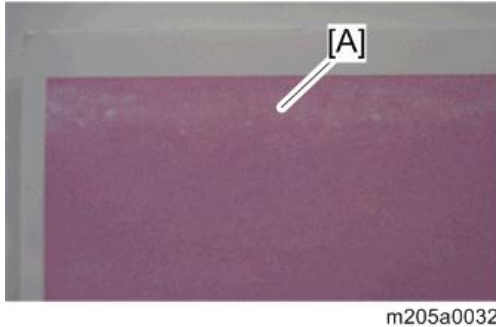
Parts of the developed images and letters are not reproduced.

Items	Description
White zone at leading edge of thick paper	White zones or black band appear at the leading edge, because the transfer current is too low or too high.
White zone at trailing edge of thick paper	White zones appear at the trailing edge of thick paper, because the transfer current is too low or too high.
White areas inside halftone images at 307-mm intervals	White areas appear inside halftone images at 307-mm intervals.
White strips at 307-mm intervals	White strips appear at 307-mm intervals inside solid color images.
Band of white spots	A band of white spots appears in the feed direction.

White zone at leading edge of thick paper

Symptom

White zones or black band appear at the leading edge of thick paper, because the transfer current is too low or too high.



[A]: The white zones appear here (leading edge of the paper)

Cause

The machine transfers toner from the intermediate transfer belt to the paper by providing an electric transfer field between the paper transfer bias roller and the paper transfer roller. There is a paper transfer entrance plate just before the transfer bias roller for adhering the intermediate transfer belt to the paper.

Since transfer failure occurs easily at the leading edge, higher transfer current is provided to the leading edge of the paper as an initial setting. But with some types of paper, the leading edge of the paper doesn't adhere to the intermediate transfer belt. And the transfer current may be too low, causing the density to be low. Or, excessive transfer may lead to electrical discharge causing white zones to appear. A black band may also appear, caused by dust.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Low temperature and low humidity environment
- Halftone image
- Printing on thick paper

Action

Adjust the leading edge correction coefficient of second transfer current using the following SPs.

- Leading edge correction coefficient of AC transfer

SP No.	SP Name	Value
SP2-854-001 to 081	PTR AC:L Edge Coeff:AC:FC (for each paper thickness/type)	5 to 255 (%)

SP No.	SP Name	Value
SP2-844-001 to 081	PTR AC:L Edge Coeff:AC:BW (for each paper thickness/type)	5 to 255 (%)
SP2-855-001 to 081	PTR AC:L Edge Coeff:DC:FC (for each paper thickness/type)	5 to 255 (%)
SP2-845-001 to 081	PTR AC:L Edge Coeff:DC:BW (for each paper thickness/type)	5 to 255 (%)

- Leading edge switching length of AC transfer

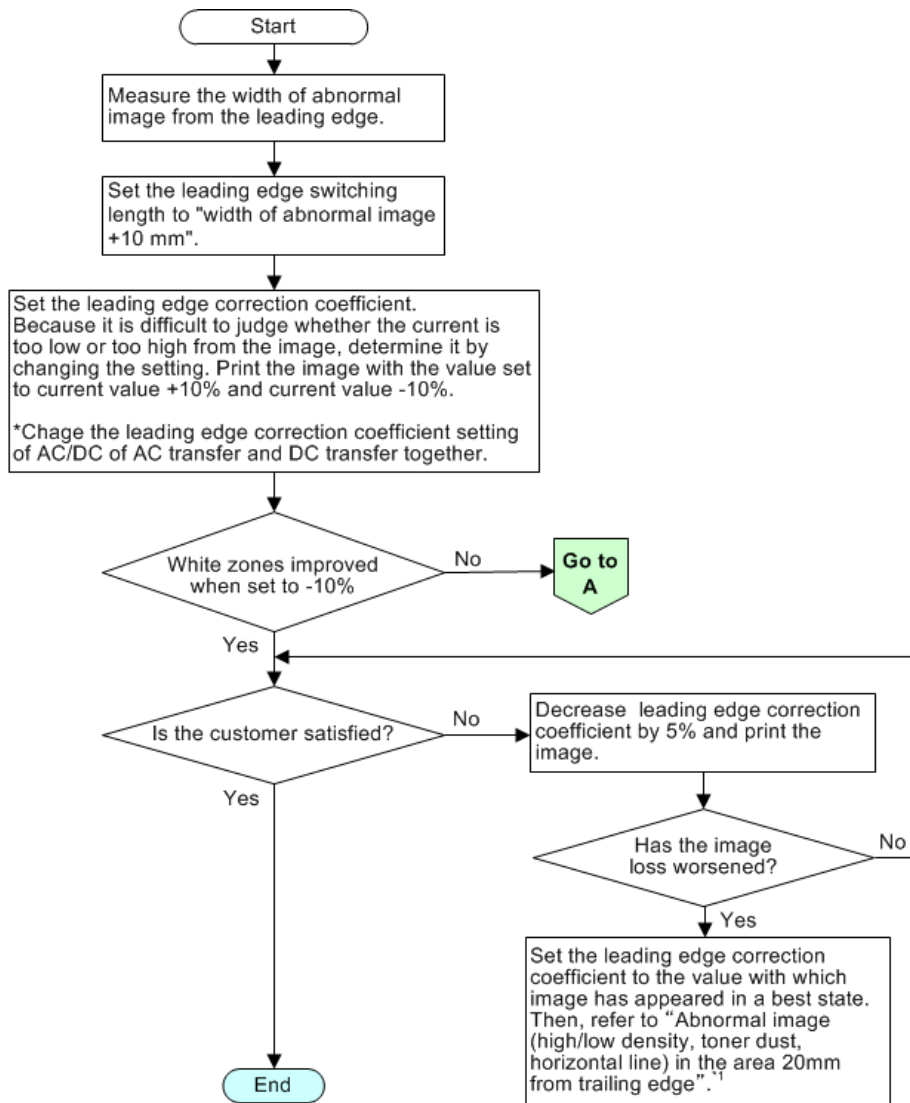
SP No.	SP Name	Value
SP2-856-001	PTR AC:L Edge Length:FC	0 to 30 (mm)
SP2-846-001	PTR AC:L Edge Length:BW	0 to 30 (mm)

- Leading edge correction coefficient of DC transfer

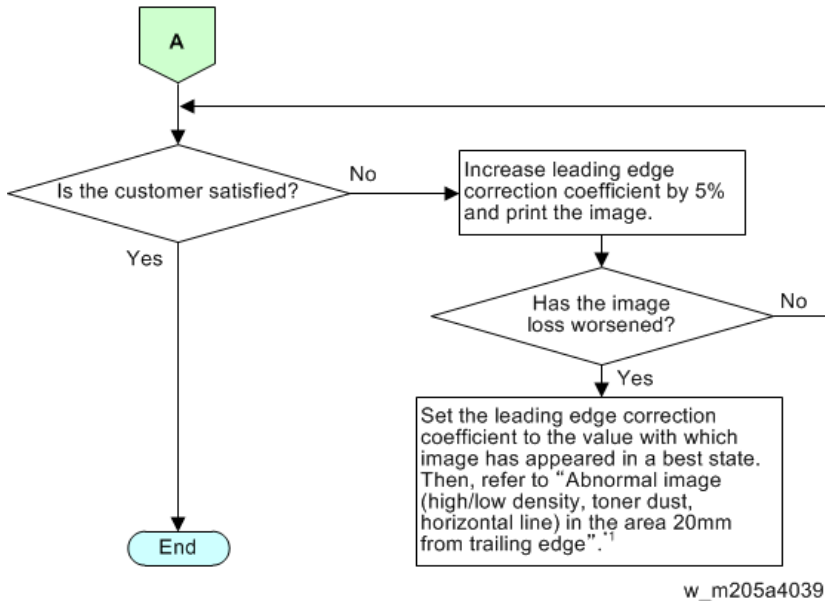
SP No.	SP Name	Value
SP2-653-001 to 081	L Edge Coeff:FC (for each paper thickness/type)	5 to 300 (%)
SP2-643-001 to 081	L Edge Coeff:BW (for each paper thickness/type)	5 to 300 (%)

- Leading edge switching length of AC transfer

SP No.	SP Name	Value
SP2-654-001 to 081	L Edge Length:FC (for each paper thickness/type)	0 to 30 (mm)
SP2-644-001 to 081	L Edge Length:BW (for each paper thickness/type)	0 to 30 (mm)



w_m205a4038

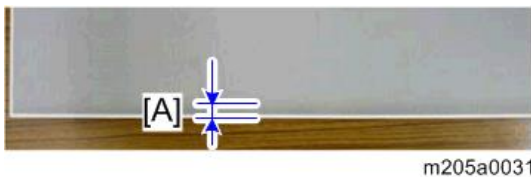


* 1: See page 2342 "Abnormal image (high/low density, toner dust, horizontal line) in the area 20mm from trailing edge".

White zone at trailing edge of thick paper

Symptom

White zones appear at the trailing edge of thick paper, because the transfer current is too low or too high.



[A]: The white zones appear here (trailing edge of the paper)

Cause

The machine transfers toner from the intermediate transfer belt to the paper by providing an electric transfer field between the paper transfer bias roller and the paper transfer roller. There is a paper transfer entrance plate just before the transfer bias roller for adhering the intermediate transfer belt to the paper.

After the trailing edge of the paper has passed through the paper transfer entrance plate, adhesion between paper and intermediate transfer belt becomes worse. And the transfer current may be too low, causing the density to be low. Or, excessive transfer may lead to electrical discharge causing white zones to appear.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Low temperature and low humidity environment
- Halftone image
- Printing on thick paper

Action

Adjust the trailing edge correction coefficient of second transfer current using the following SPs.

- Trailing edge correction coefficient of AC transfer

SP No.	SP Name	Value
SP2-857-001 to 081	PTR AC:T Edge Coeff:AC:FC (for each paper thickness/type)	5 to 255 (%)
SP2-847-001 to 081	PTR AC:T Edge Coeff:AC:BW (for each paper thickness/type)	5 to 255 (%)
SP2-848-001 to 081	PTR AC:T Edge Coeff:DC:FC (for each paper thickness/type)	5 to 255 (%)
SP2-858-001 to 081	PTR AC:T Edge Coeff:DC:BW (for each paper thickness/type)	5 to 255 (%)

- Trailing edge switching length of AC transfer

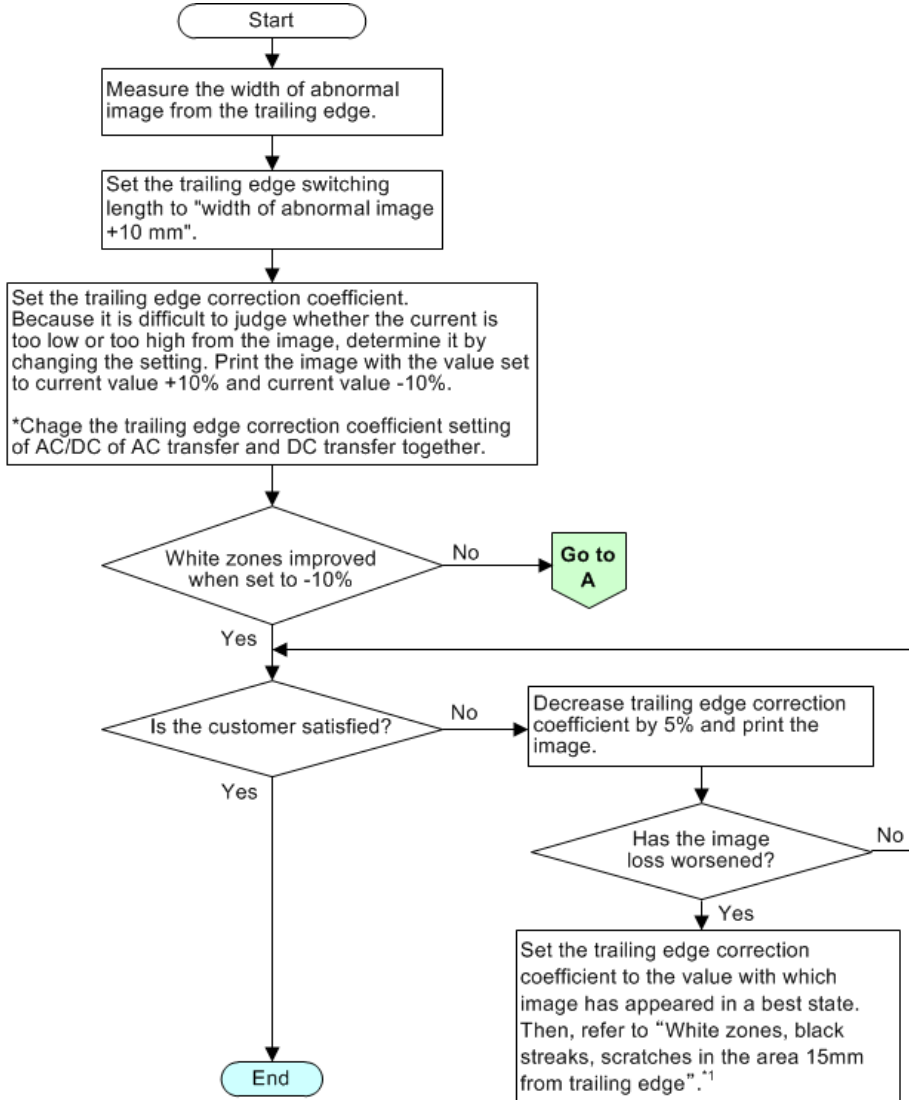
SP No.	SP Name	Value
SP2-859-001	PTR AC:T Edge Length:FC	0 to 100 (mm)
SP2-849-001	PTR AC:T Edge Length:BW	0 to 100 (mm)

- Trailing edge correction coefficient of DC transfer

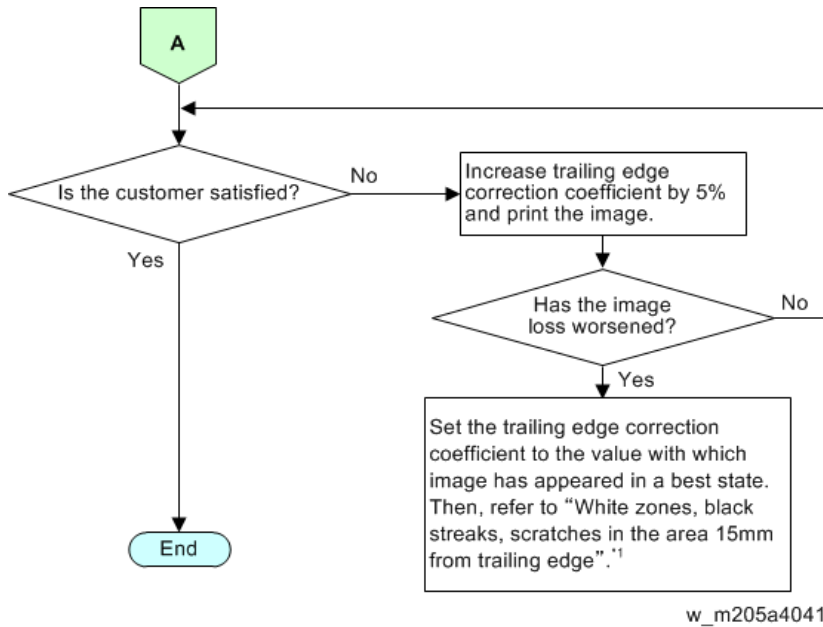
SP No.	SP Name	Value
SP2-655-001 to 081	T Edge Coeff:FC (for each paper thickness/type)	5 to 300 (%)
SP2-645-001 to 081	T Edge Coeff:BW (for each paper thickness/type)	5 to 300 (%)

- Trailing edge switching length of AC transfer

SP No.	SP Name	Value
SP2-656-001 to 081	T Edge Length:FC (for each paper thickness/ type)	0 to 100 (mm)
SP2-646-001 to 081	T Edge Length:BW (for each paper thickness/ type)	0 to 100 (mm)



w_m205a4040



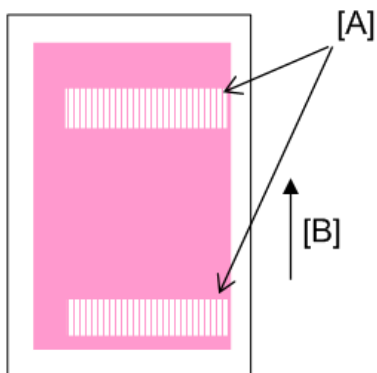
* 1: See page 2350 "White zones, black streaks, scratches in the area 15mm from trailing edge".

White areas inside halftone images at 307-mm intervals

Symptom

White areas appear inside halftone images at 307-mm intervals.

Figure 1. Example of abnormal image



m205a6028

[A]: White areas appear inside halftone images at 307-mm intervals.

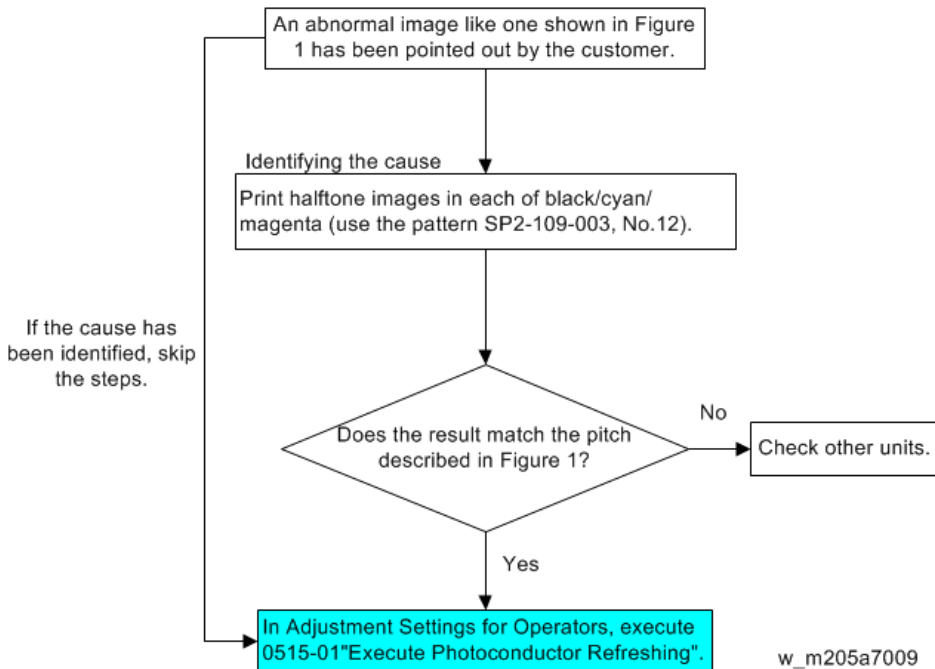
[B]: Feed direction

Cause

Corona products emitted from the charge unit react to the lubricant on the surface of the OPC drum and this causes abnormal electric potential, which leads to the appearance of white areas. Correct it by removing the objects on the OPC drum surface.

Action

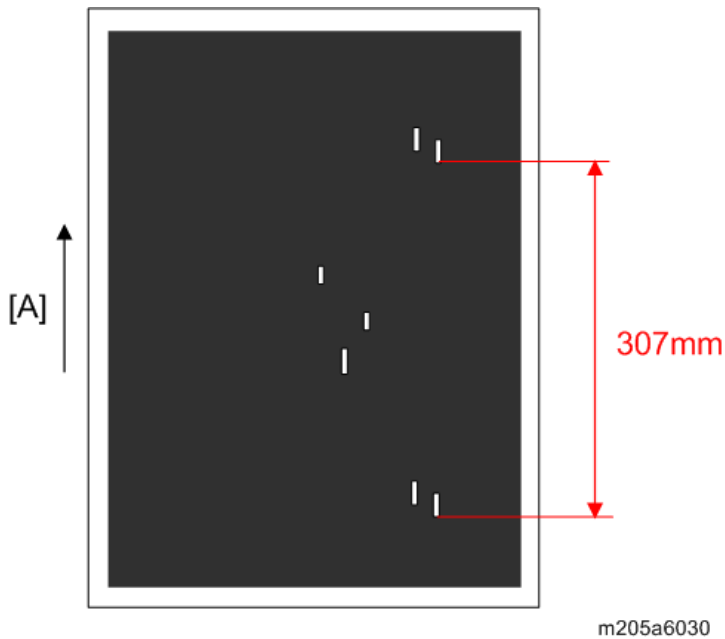
1. Print the pattern SP2-109-003-12 in each of Black/Cyan/Magenta/Yellow on A3 or DLT sheets of paper to identify which color the white areas appear on.
2. In [Adjustment Settings for Operators], execute 0515-01 [Execute Photoconductor Refreshing].
3. Check the image and, if the problem is not solved, replace the OPC drum of the corresponding color.



White strips at 307-mm intervals

Symptom

White strips appear at 307-mm intervals inside solid color images.



[A]: Print direction

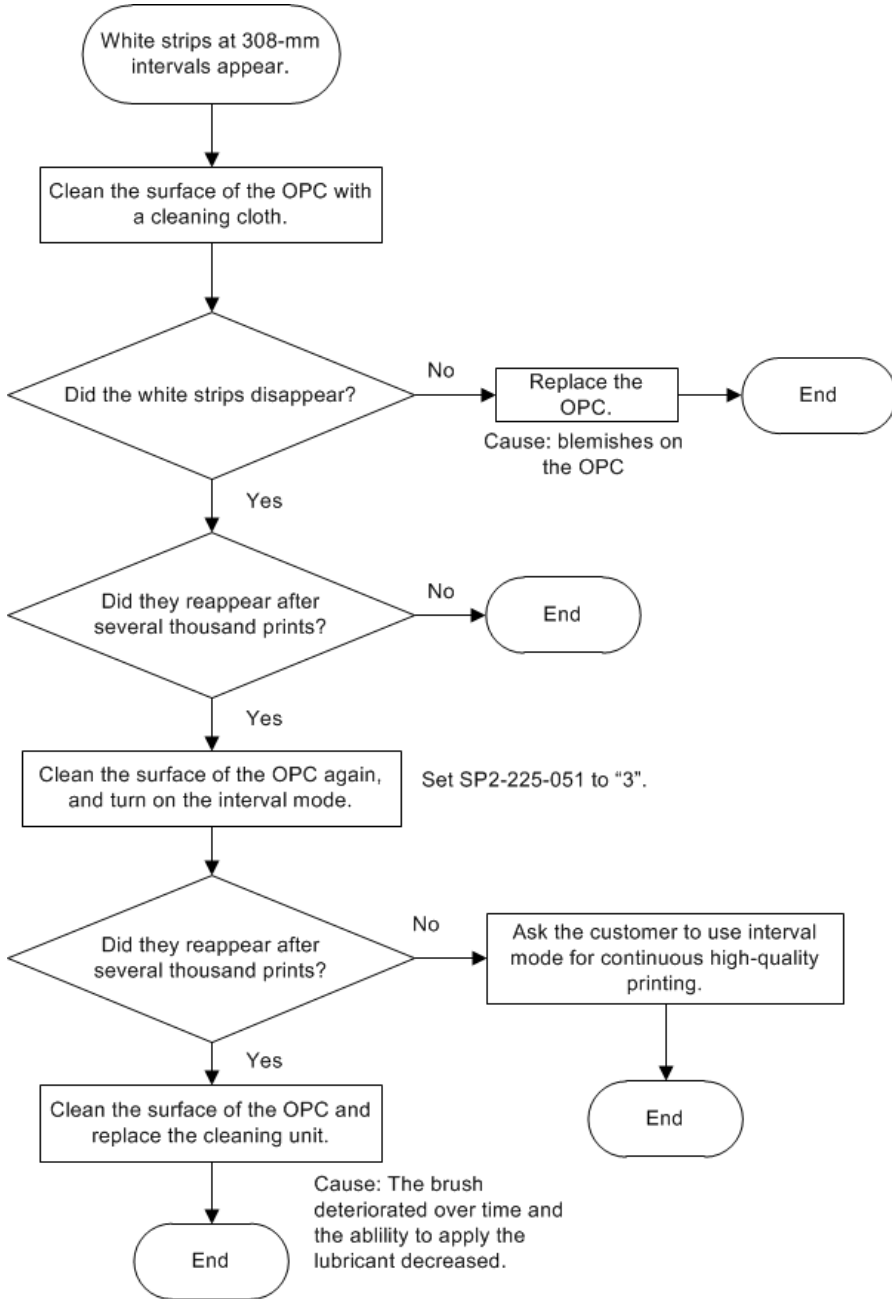
Cause

The lubricant powder designed to lubricate the surface of the drum can deteriorate over time, especially with continuous high quality printing. This can allow toner to stick to and collect on the drum surface, leading to parallel white strips.

Factors that may worsen the symptom

- Low-temperature environment
- Continuous high-quality printing

Action

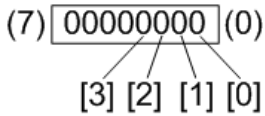


w_m205a7010

Follow the procedure below to check the images by printing the internal patterns.

1. Enter the SP mode.
2. Select Pattern 26 (Full Dot) of SP2-109-003.

3. Select the colors in SP2-109-004.
4. The last 4 digits of SP2-109-004 indicate the colors: [3] Bk, [2] C, [1] M, [0] Y
5. When the value of each of [0] to [3] is "1", the corresponding color will be printed. Switch between 0 and 1 using the [0] to [3] keys of the numerical keypad.

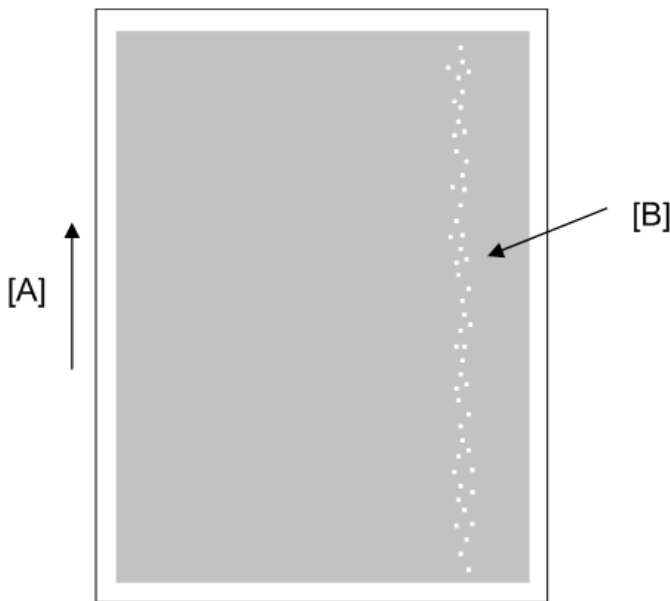


m205a6032

Band of white spots

Symptom

The developer, mainly accumulated on the CG case installed beneath the magnetic roller of the development unit, adheres to the drum surface or falls onto the ITB and causes a band of white spots at the image transfer nip section. (It is more distinguishable on a halftone image.)



m205a6033

[A]: Print direction

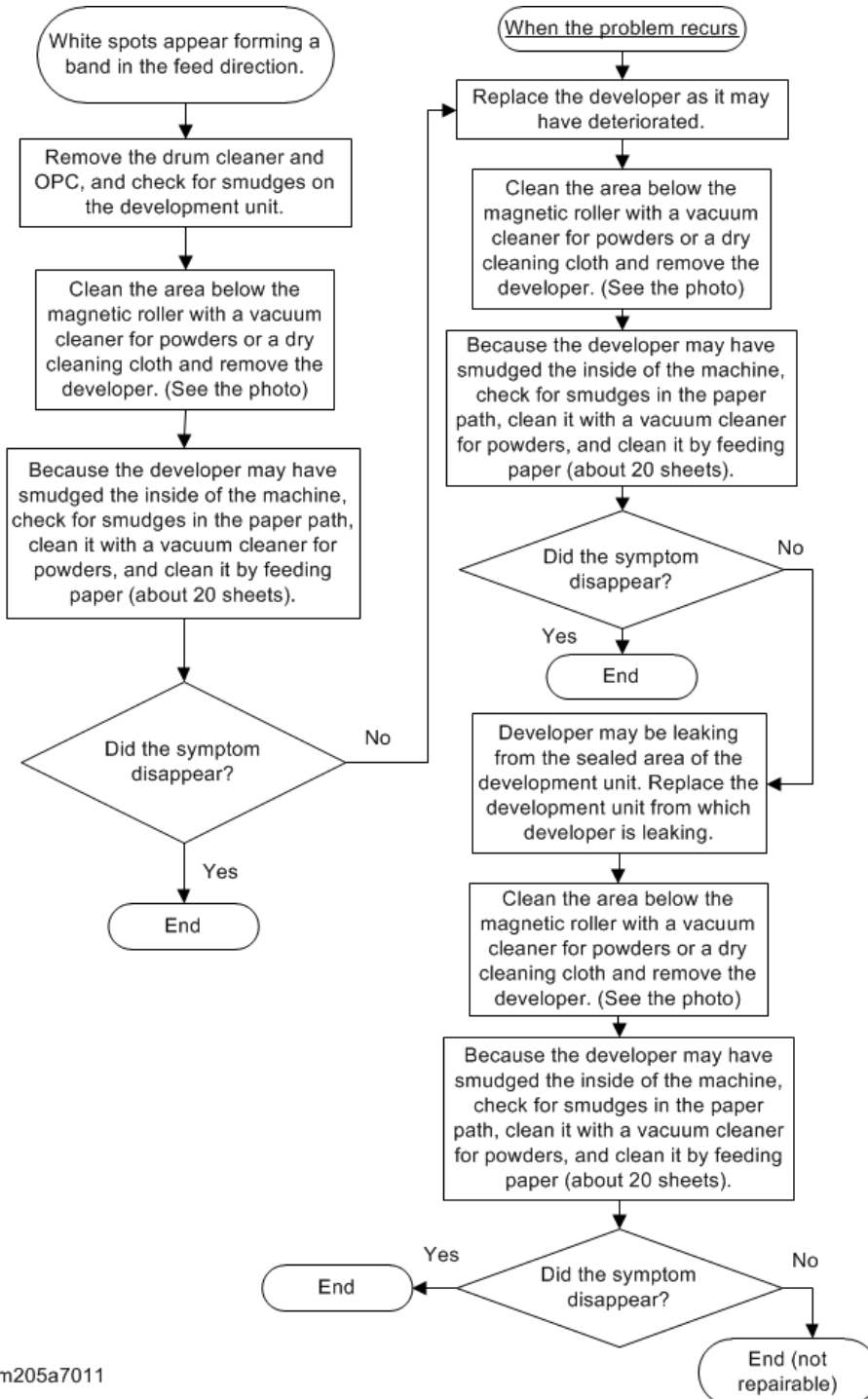
[B]: A band of white spots appears.

Cause

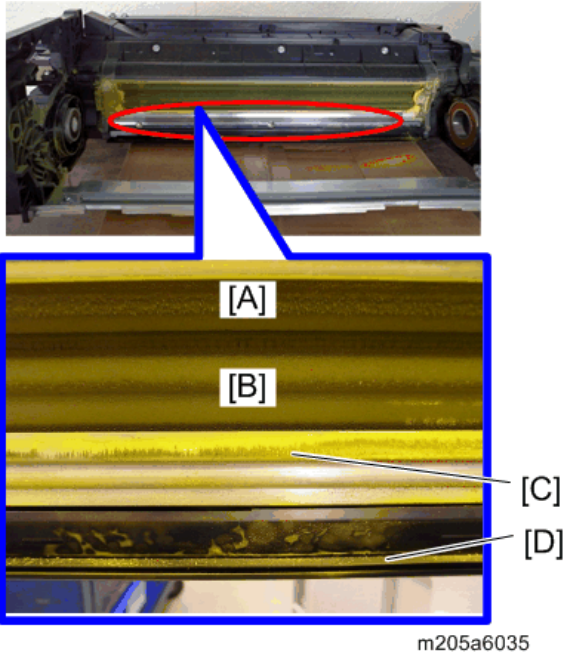
Most of the scattered developer is collected by the carrier collector of the lower magnetic roller and transported into the development unit, but the small amount that remains will gradually be

accumulated on the CG case. This will normally be removed during periodical cleaning at 800kp but in a rare case the amount will be too much before 800kp and appear on the printed image.

Action



w_m205a7011



m205a6035

- [A]: Upper Magnetic roller
- [B]: Upper Magnetic roller
- [C]: Developer sticking to the CG case
- [D]: Accumulated developer

Image Quality 004: Unevenness

Overview

The density of the developed image is uneven.

Item	Description
Low density of black	Density of black solid image is lower than normal.
Density unevenness of monochrome area	Uneven image density (corky pattern) appears on the area where only black color is used when printing in full-color mode.
Difference of density between left and right of an image	There is a difference of density between the left and right of an image.
Density difference after stopping the machine for a long period	Uneven image density appears when printing after stopping the machine for a long period.

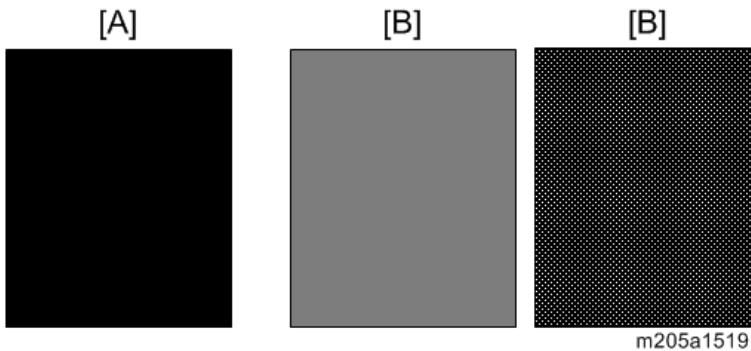
Item	Description
Density difference when printing high coverage images continuously	Uneven image density appears when printing high coverage images continuously.
Horizontal band of density unevenness caused by corona products	40-mm wide horizontal color bands appear at 307-mm intervals on solid color or halftone images, caused by corona products penetrating into the OPC drum while the machine is left unused.
Fuzzy lines	Blurred images in the shape of slightly winding bands in the paper feed direction.
Uneven density of the leading edge	Toner accumulates on the surface of the development roller for non-image areas. So, image density could become denser immediately after the non-image area until the development roller rotates one time.
Uneven density in the area 107 mm from the trailing edge	Uneven density of halftone image may appear 107 mm from the trailing edge, which corresponds to the point where the paper leaves the PTR Timing Roller.
Banding at regular intervals	Vertical stripes appear at 151mm intervals (Pro C9100) or at 164mm intervals (Pro C9110) in halftone areas.
Bands of uneven glossiness	Bands of different glossiness appear on the 1st side of full-page solid images.
Gloss afterimage	In a continuous print run, an afterimage of a white area on the 1st sheet appears on the 2nd sheet as a high-glossiness area.
Rippling gloss unevenness	Gloss unevenness in a rippling shape appears on the 2nd side during duplex printing.
Gloss unevenness occurred in paper cooling unit	Bands of different glossiness appear which is similar to the streaks on the solid images.
Uneven glossiness in patches	Part of a solid color image lacks glossiness and the surface is rough.
Orange peel images	<p>Orange peel image: Some part of a solid color image is glossy and some part is not.</p> <p>Difference of glossiness within a page: The glossiness of a part of a solid color image on a single page may be lower than the other parts.</p>

Item	Description
Grainy images	The image density is not uniform when the toner characteristics changes caused by the stress in agitation. The image density also cannot be uniform depending on the property of using paper.
Wrinkles, worm tracks, creasing	When printing on thin paper, wrinkles or worm tracks appear, or paper creasing is generated.

Low density of black

Symptom

Density of black solid image is lower than normal.



- [A]: Normal image
- [B]: Abnormal image

Cause

- Paper transfer efficiency of coated paper decreased in high-temperature/high-humidity environment.
- Mismatch between the calibration and measured ID.
- Toner deteriorated and the amount of adhered toner decreased because of the degradation or high-temperature/high-humidity environment.

↓ Note

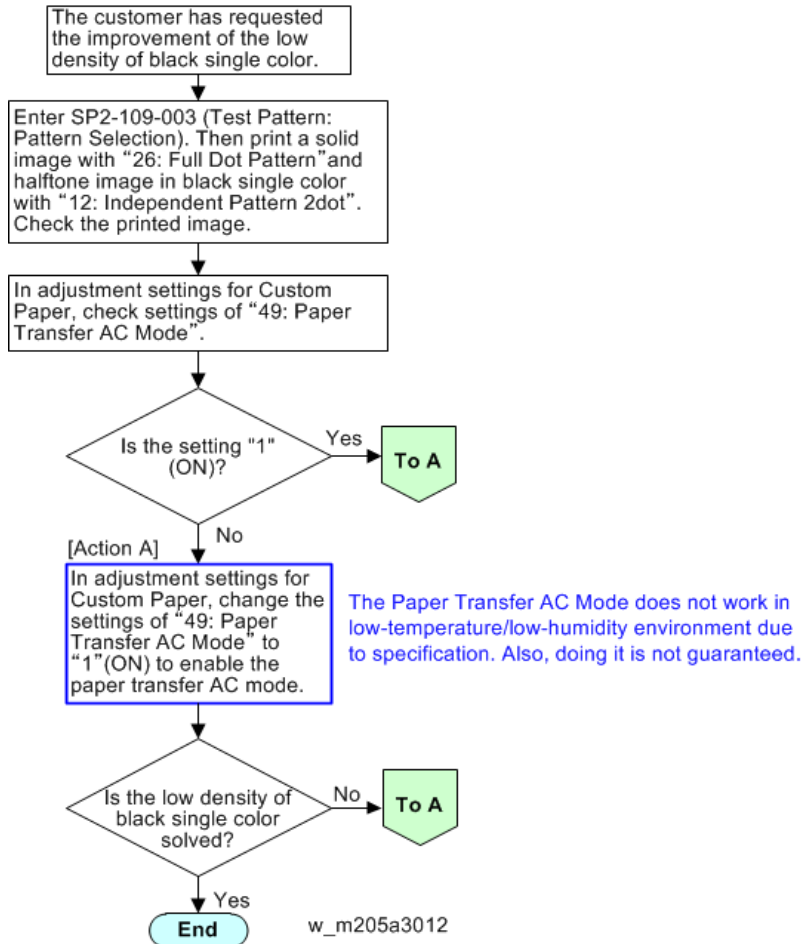
- The following conditions increase the risk of this symptom.
 - Environment: High temperature and high humidity
 - Paper type: Coated paper

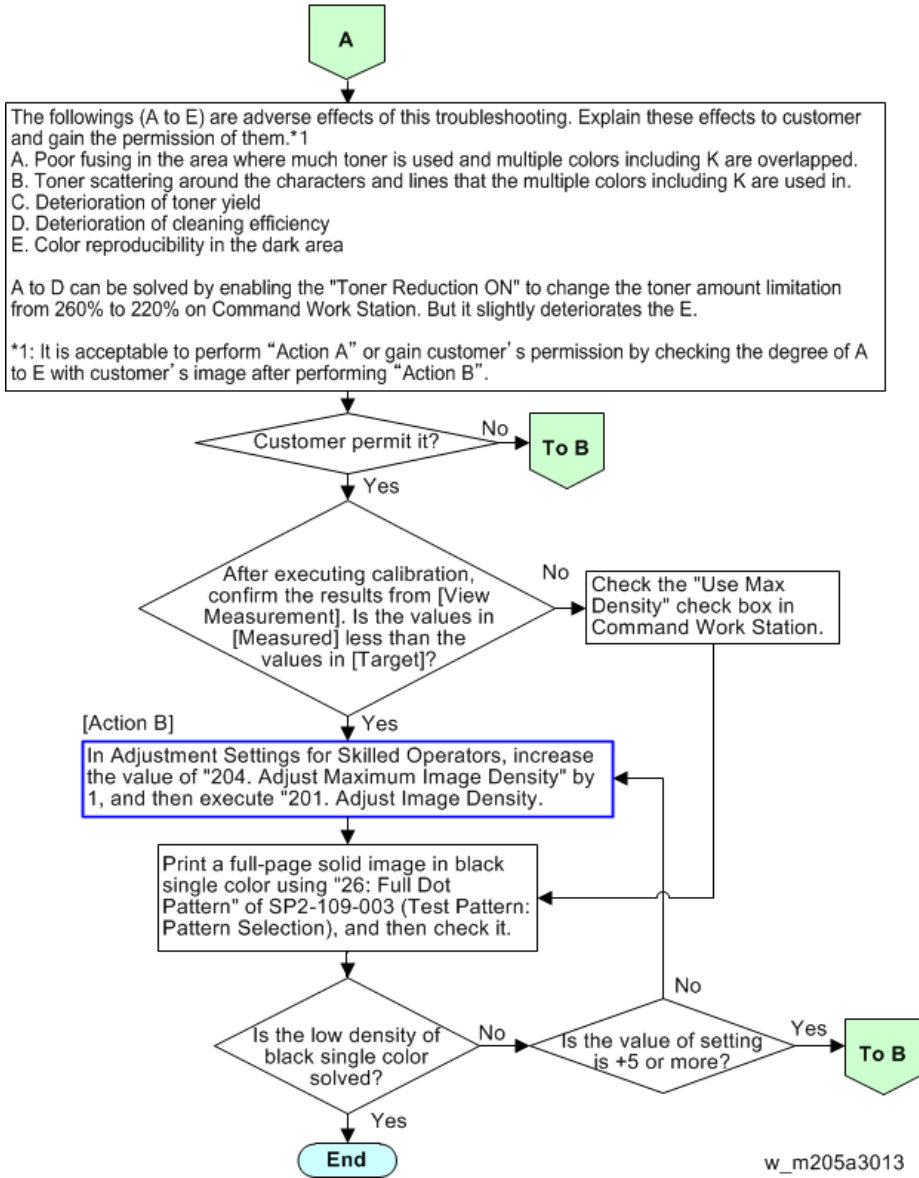
Causes and Actions

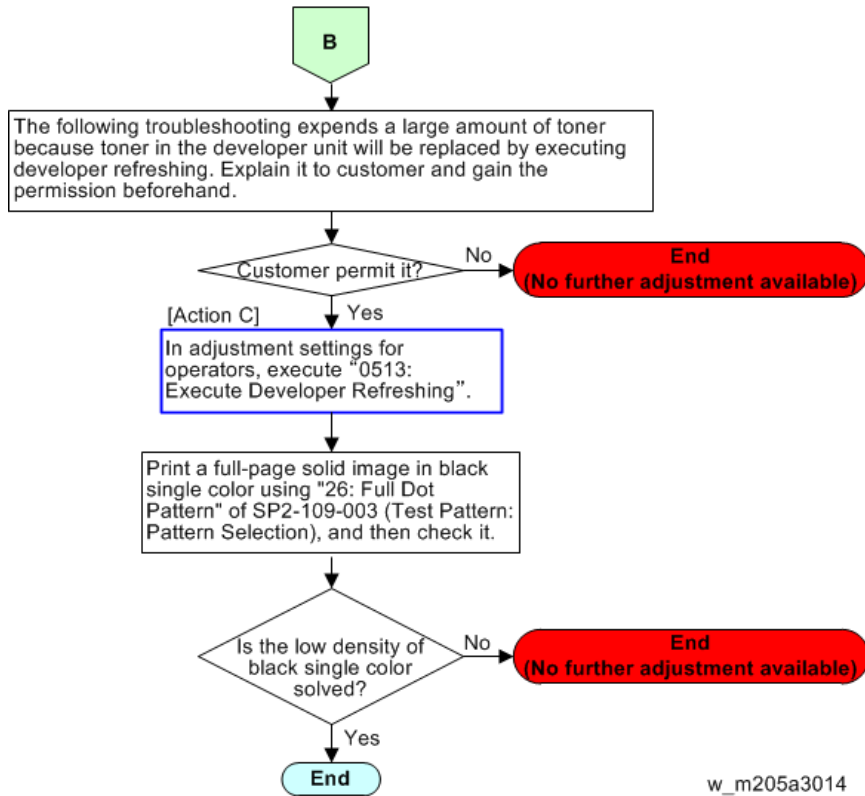
- Paper transfer defective: Action A
- Mismatch between the calibration and measured ID: Action B

- Decrease of an amount of the adhesion of toner: Action C

Action







Density unevenness of monochrome area

Symptom

Uneven image density (corky pattern) appears on the area where only black color is used when printing in full-color mode.



m205a0026

[A]: Monochrome area of K75

[B]: Monochrome area of K50

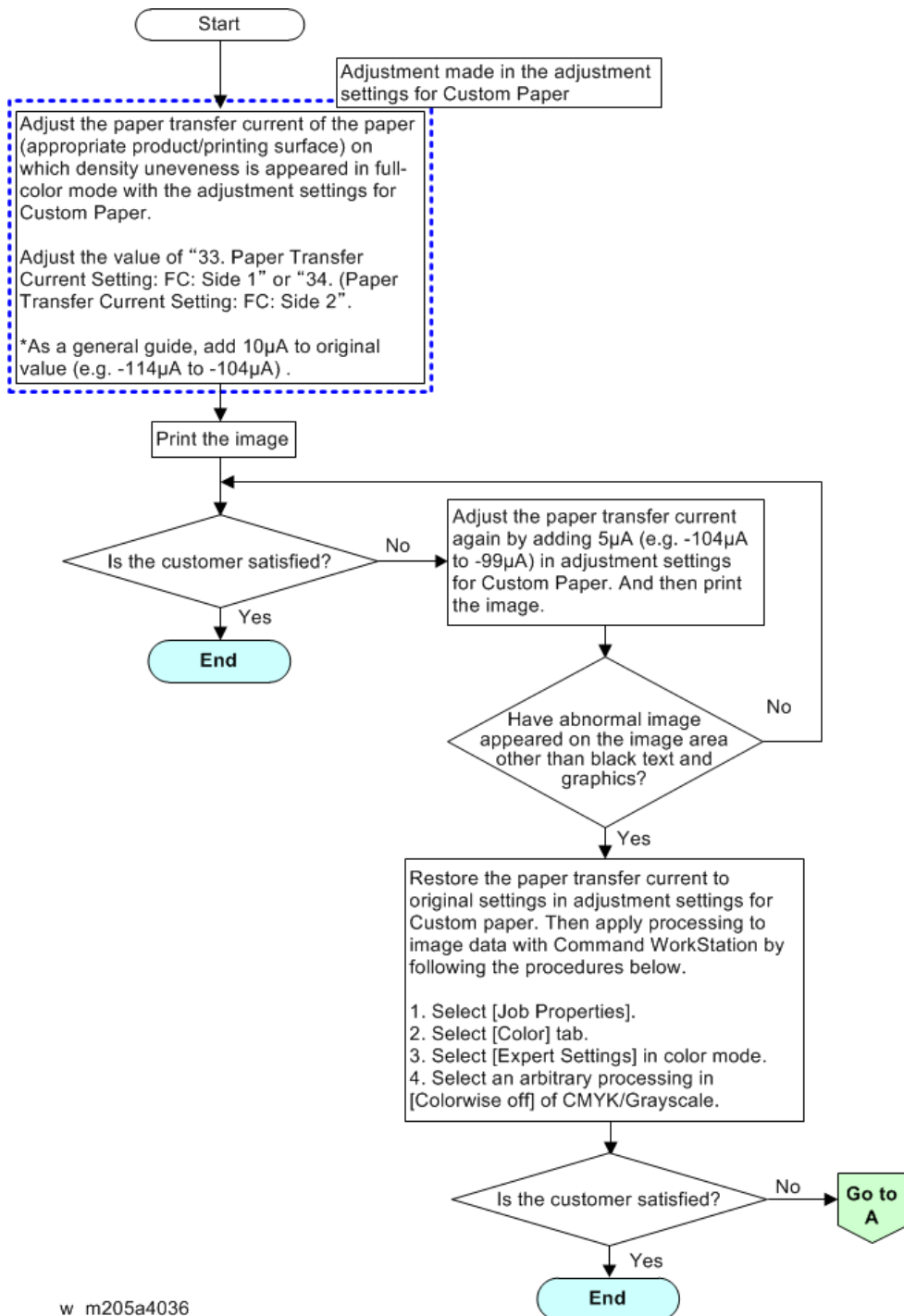
Cause

Since the black PCU station is the most downstream one, black toner which is transferred to the intermediate transfer belt is transferred to the paper transfer unit without passing under other color's stations. So the black toner is transferred to the paper transfer unit in a low-charged state when compared with other colors.

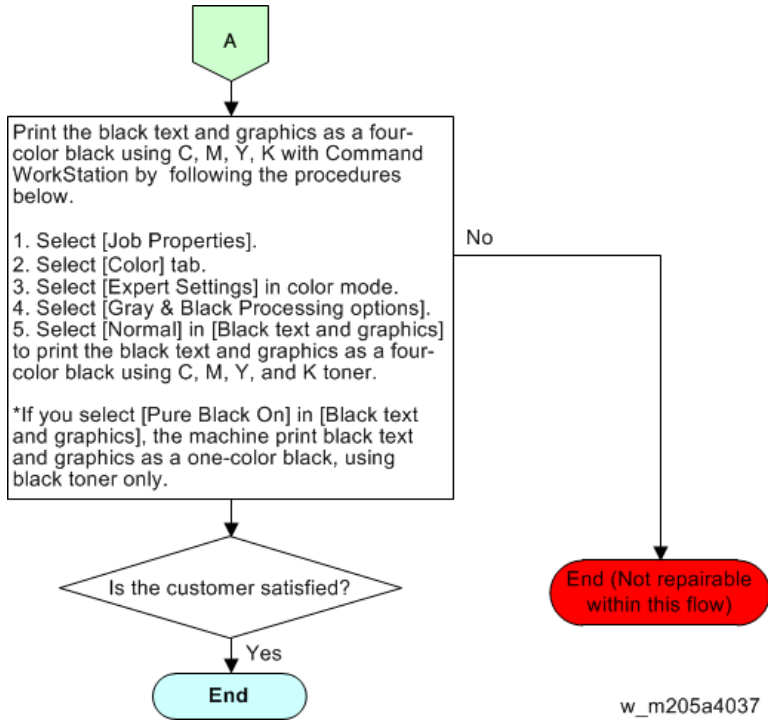
Also, the paper transfer bias provided for second transfer is set to higher in B/W mode when compared with full-color mode. The transfer efficiency of black toner at the secondary transfer area becomes worse since excessive current is provided to the transfer unit in black toner. This will cause the toner density unevenness.

Action

The density unevenness of black toner in full-color mode can be improved by lowering the paper transfer bias. It can be improved when you apply image processing to the print data with Command WorkStation with Fiery controller. You can also avoid density unevenness by printing black text and graphics as a four-color black using C, M, Y, K with Command WorkStation.



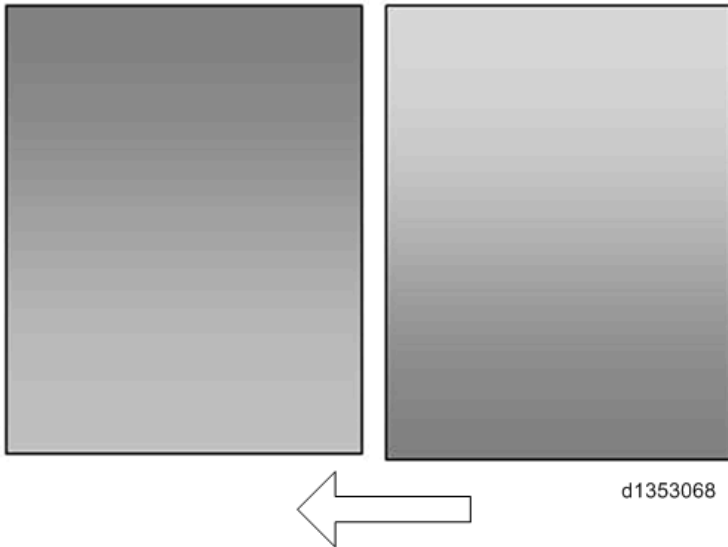
w_m205a4036



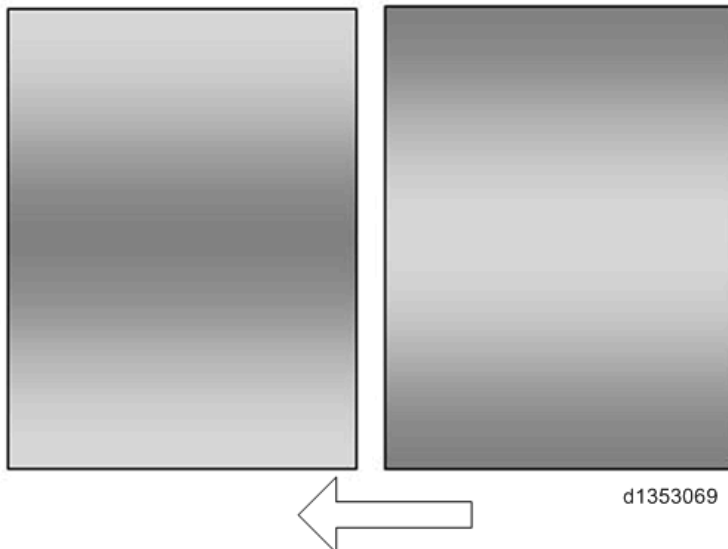
Difference of density between left and right of an image

Symptom

There is a difference of density between the left and right of an image.

Density difference between left and right

The arrow indicates the paper feed direction.

Density difference between middle and right/left

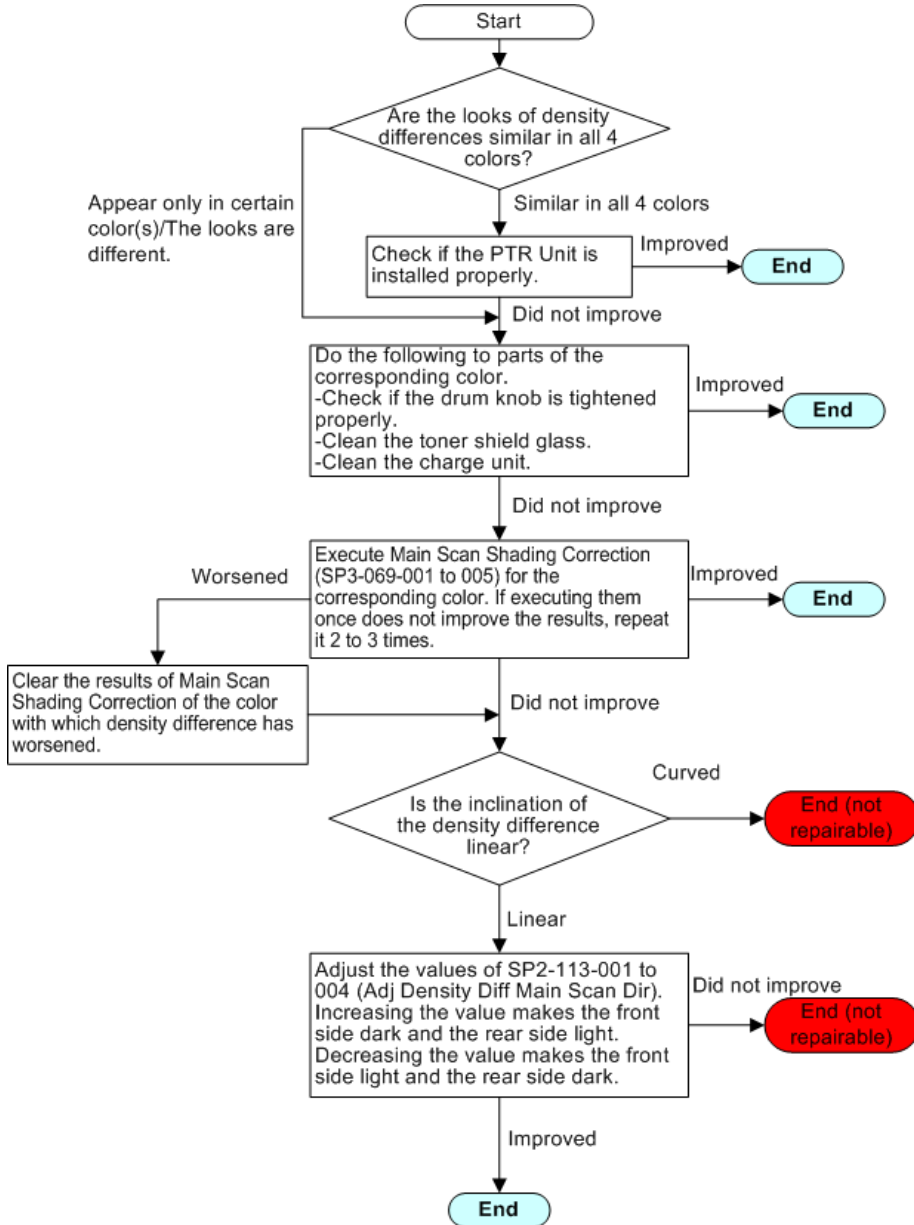
The arrow indicates the paper feed direction.

Determining the problem

Print each of the two patterns: "12: Independent Pattern 2dot" and "26: Full Dot" in SP2-109-003 (Test Pattern) once in each of K/C/MY. The color is selected in SP2-109-005. This makes 8 prints

in total. Observe the prints to determine the color and the image type (halftone or solid color) the density difference is noticeable in.

Action



w_m205a7032

Density difference after stopping the machine for a long period

Symptom

Uneven image density appears when printing after stopping the machine for a long period.

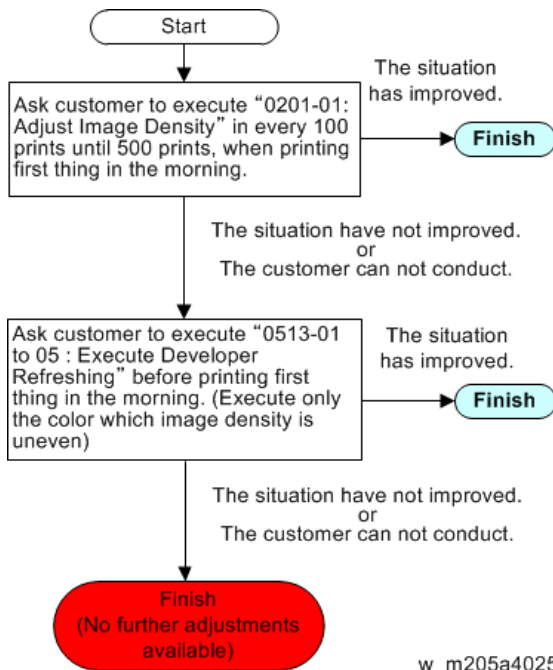
Occurrence Conditions

- When the machine's stopping period of time is long, such as after the weekend.
- The high temperature and high humidity environment
- When the developer deteriorates due to printing the image which area rate of the concentration part is excessively low (lower than 2.5%) for a long period of time (10 to 100kp)

Cause

The toner electrification amount fluctuates rapidly when printing after the machine stopped for a long period. This cause the image density fluctuates.

Action



Note

- If printing 500 to 1000 sheets of paper do not improve the situation, the cause of uneven image density is not toner electrification amount fluctuates.

Density difference when printing high coverage images continuously

Symptom

Uneven image density appears when printing high coverage images continuously.

Occurrence Conditions

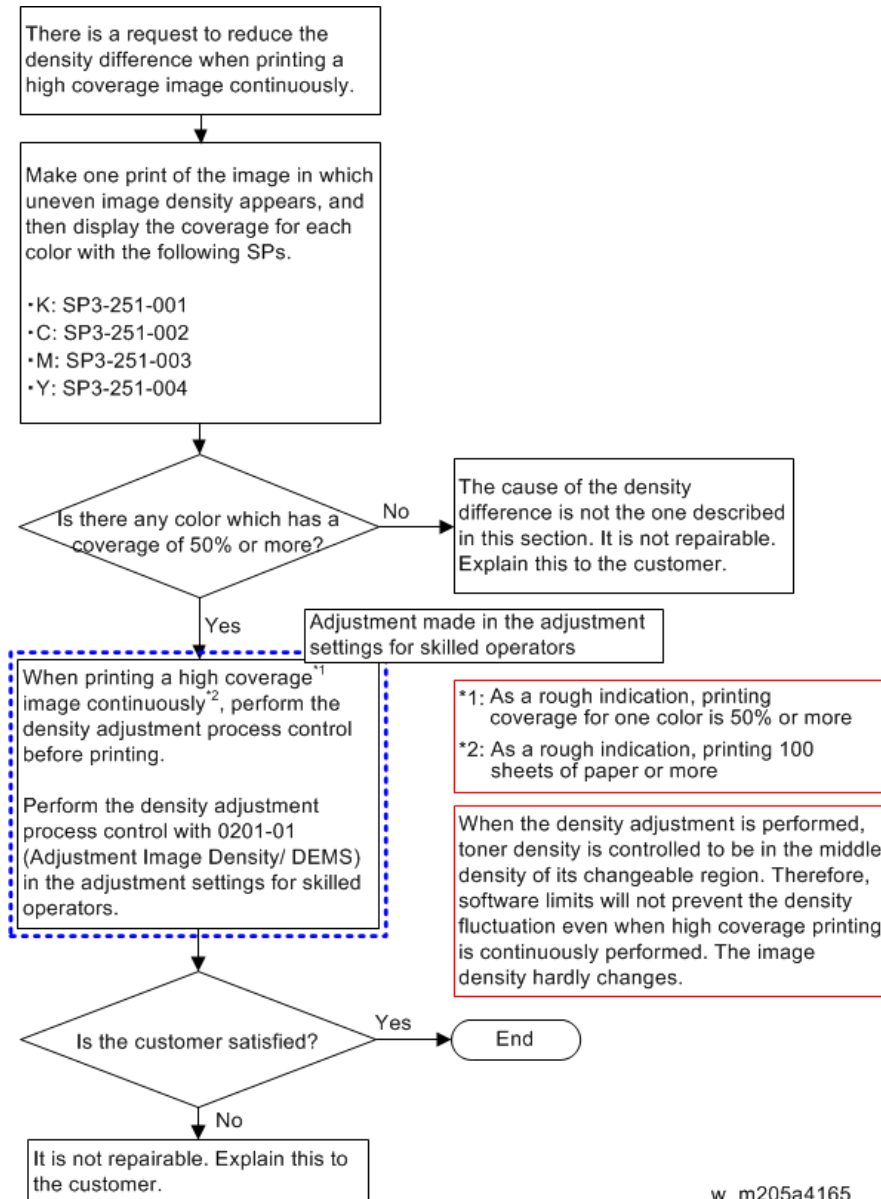
- Density difference can be large when the coverage ratio becomes high.
- Density difference becomes largest when printing a full solid image (coverage ratio is 100%).

Cause

When high coverage printing has been performed continuously, toner consumption per unit time is increased which causes a large fluctuation in charge. Therefore the machine changes the toner density to stabilize the image density.

When starting the high coverage printing, there are cases where the machine cannot stabilize the image density because there are built-in limits for the allowable toner density.

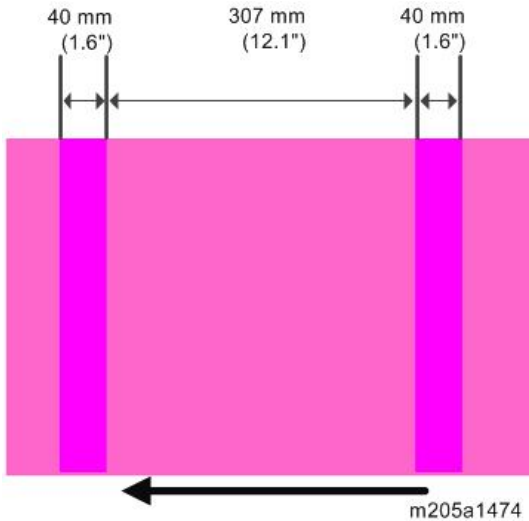
Action



Horizontal band of density unevenness caused by corona products

Symptom

40-mm wide horizontal color bands appear at 307-mm intervals on solid color or halftone images.



*The arrow indicates the paper feed direction.

Cause

6

Corona products generated in the charge unit penetrating into the OPC drum while the machine is left unused may cause bands in which the printed image is darker. Color bands will diminish with continued use as the corona products volatilize, but it may take several hours until they disappear completely.

↓ Note

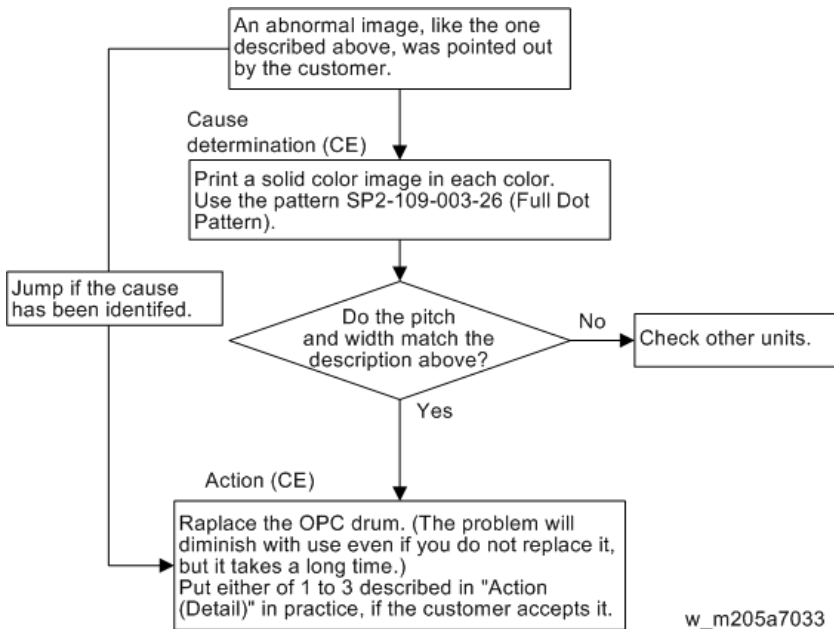
- This tends to occur in winter in a low-temperature environment.

Action (Overview)

- Countermeasures

Since keeping the fan on while the machine is unused helps prevent this problem, propose the following measures to the customer. See "Action (Detail)" for details.

- Configure the SP setting so that the fan keeps rotating even when the machine is not operating, and keep the machine power on.
- Install an external power source (option) to make the fan rotate even when the machine power is off.
- Pull out the charge unit at the end of operating time every day.
- Cause determination flow chart



Action (Detail)

6

Item/Requirement, Effects	1	2	3
	Keeping the fan rotating by leaving the machine turned on	Keeping the fan rotating by installing an external power source	Pull out the charge unit at the end of operating time every day
Operation	<p>Do the following.</p> <p>Change the fan operation time from "60 minutes" to "21 hours".</p> <p>(Change the value of SP1-944-001 from "1" to "1270".)</p> <p>At the end of operating time:</p> <p>Do not turn off the power. (Turn it off when leaving the machine unused for 2 days or more on weekends etc.)</p>	<p>Install and connect an external power source.</p> <p>At the end of operating time:</p> <p>Turn off the machine and keep the external power source on. (Turn the external power source off, too, when leaving the machine unused for 2 days or more on weekends etc.)</p>	<p>Pulling out and reinstalling the charge unit at the end and beginning of operating time.</p>

Item/Requirement, Effects	1 Keeping the fan rotating by leaving the machine turned on	2 Keeping the fan rotating by installing an external power source	3 Pull out the charge unit at the end of operating time every day
Time required for modification	1 to 2 minutes	About 30 minutes	None
Parts cost	Not required	Required	Not required
Power consumption while the machine is unused (Power consumption during power off is 110 W.)	430W	170W	110W (the same as the current value)
Customer work time	None	None	5 minutes every morning and evening
What to do for the seasons other than winter	None (just turn the machine off)	Modification to make the fan draw power from the main machine again: about 2 minutes	None (no need to pull out the charge unit)
Merits	<ul style="list-style-type: none"> • Free of cost • Reflected instantly 	Lower power consumption compared to 1	<ul style="list-style-type: none"> • Free of cost • No power consumption • Reflected instantly
Demerits	<ul style="list-style-type: none"> • Large power consumption • Time required for returning from low-power mode changes from 120 seconds to 420 seconds. 	<ul style="list-style-type: none"> • Power consumption • Large EM cost • Long time required for modification • Modification required for other seasons 	Requires customer operation

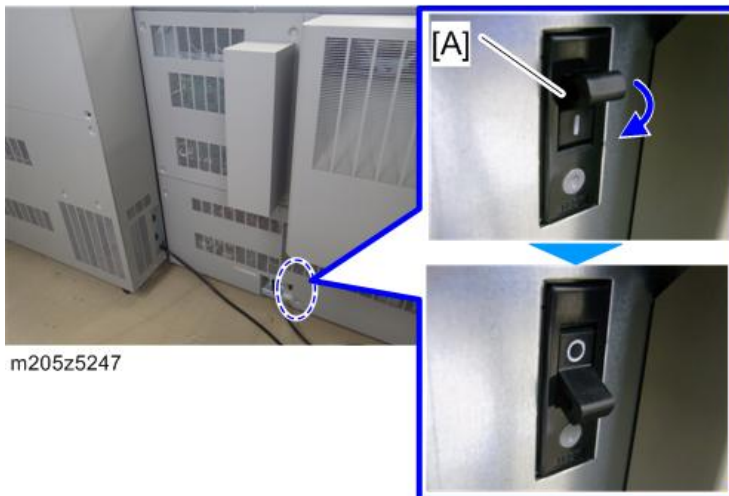
Action (Detail): Installing an External Power Source**⚠ CAUTION**

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energizing state constitutes an electric shock hazard and malfunction.

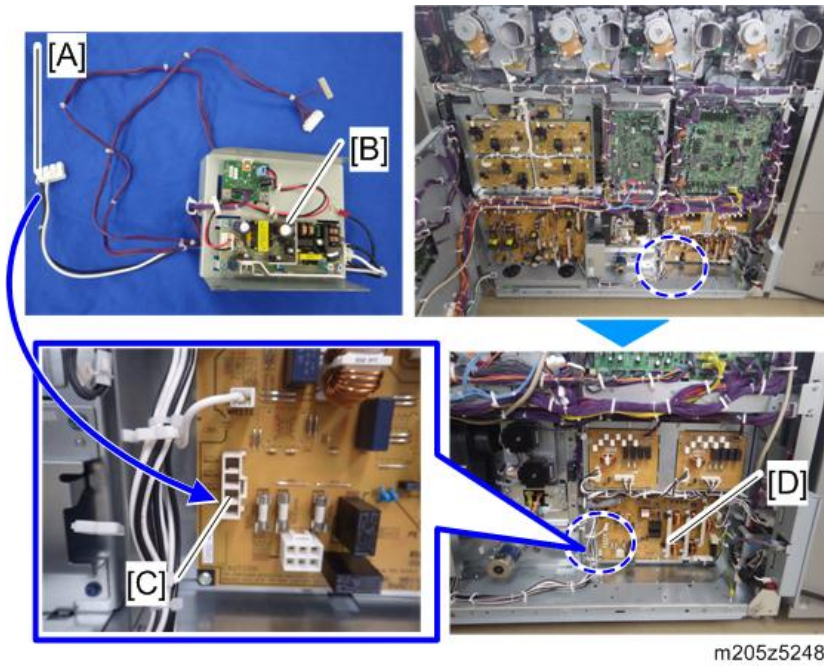
1. Turn off the breaker switch [A] of the imaging section.



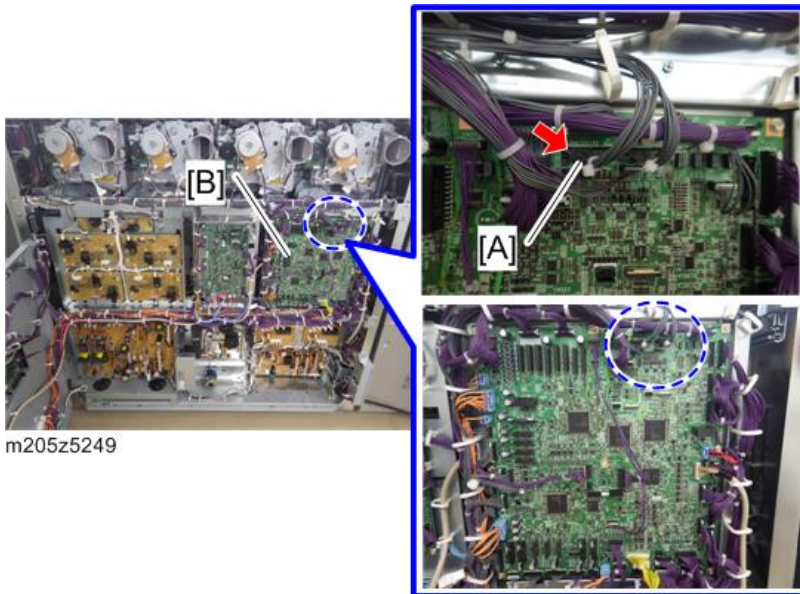
2. Turn off the breaker switch [A] of the fusing section.



3. Open the rear box. (page 691)
4. Connect the connector [A] of the external power source [B] to CN401 [C] of the AC Drive Board 1 [D].

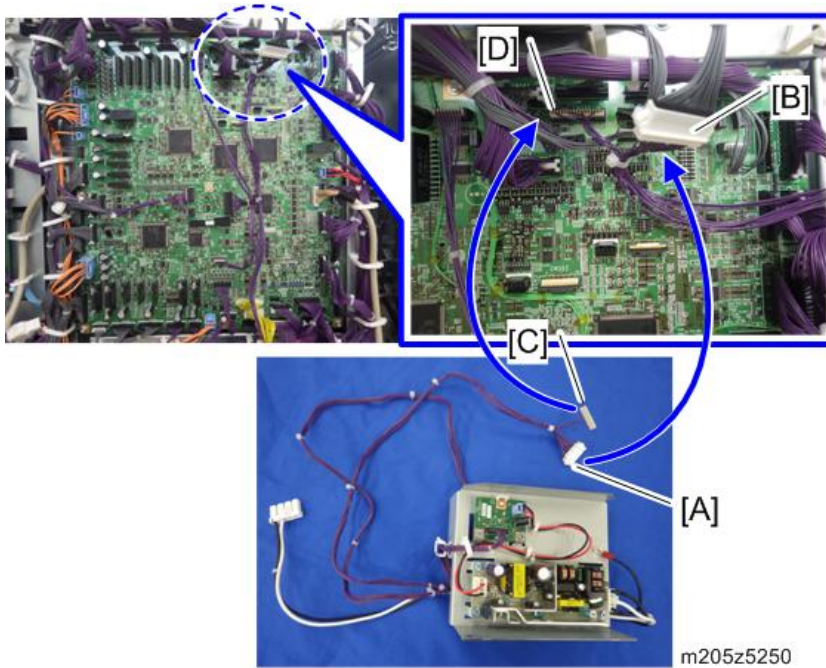


5. Disconnect the connector [A] at CN342 on the IOB 1 [B].

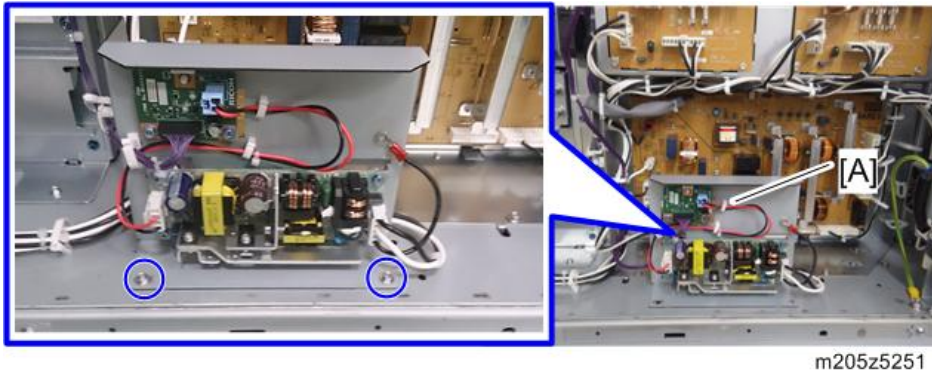


6. Connect the connector [A] of the external power source to the connector [B] that you removed in the previous procedure.

Connect the connector [C] of the external power source to CN342 [D] on the IOB 1.



7. Install the external power source. (Ⓜ×2: M3×6)



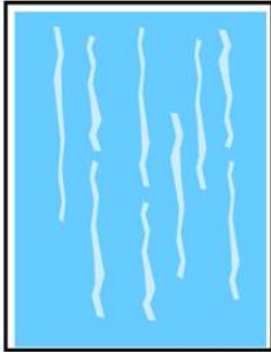
8. Clamp the connectors of the external power source.
 9. Turn on the breaker switches of the imaging and fusing section.

Fuzzy lines

Symptom

Blurred images in the shape of slightly winding bands in the paper feed direction.

This fuzzy lines stands out in halftone which area rate of the concentration part is 60 to 80%.



m205a2977

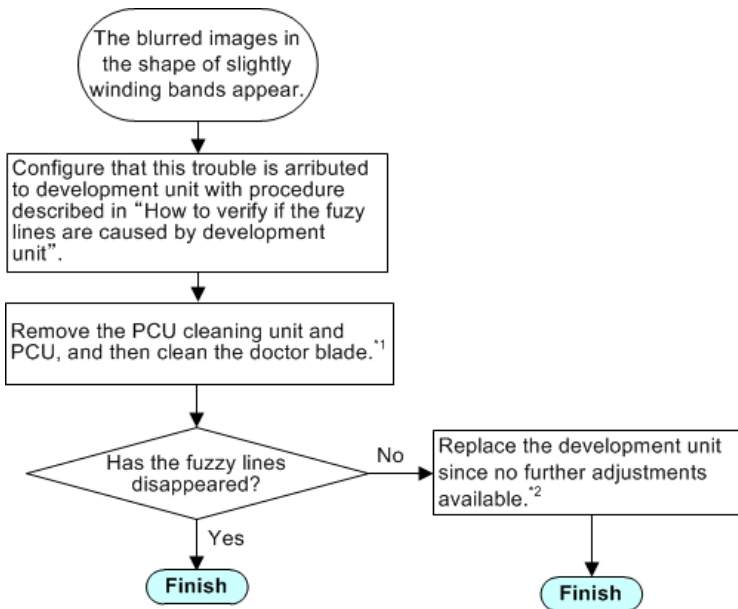
Cause

The developer which passes through the doctor blade of development unit is low. In this situation, the delivery amount of developer between two rollers becomes uneven, and then carrying nonuniformity occur in a longitudinal direction of developer roller.

How to verify if the fuzzy lines are caused by development unit

Replace the PCU/charge unit/PCU cleaning unit of the color station which generates the fuzzy lines to a new unit or to the unit of the color station which have no trouble. Then configure that the fuzzy lines are attributed to development unit.

Action



w_m205a4026

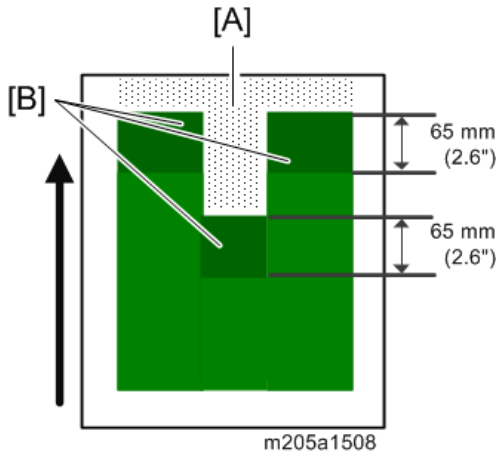
* 1: See page 589 "Doctor Blade, Development Roller".

* 2: See page 779 "Development Unit".

Uneven density of the leading edge

Symptom

Figure 1: Sample of high image density: leading edge



*The arrow indicates the paper feed direction.

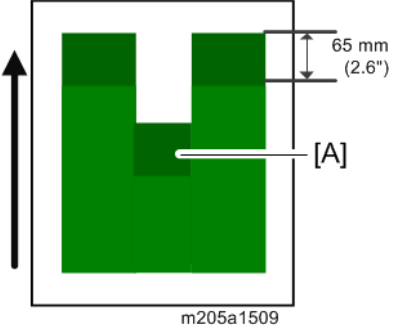
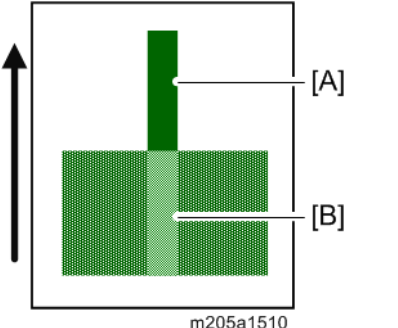
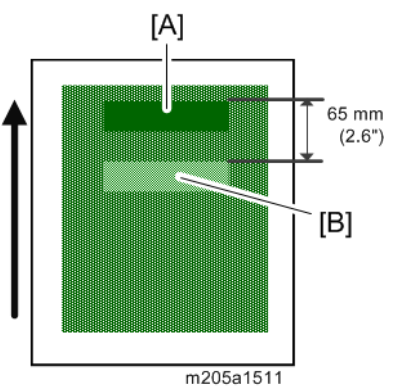
Cause

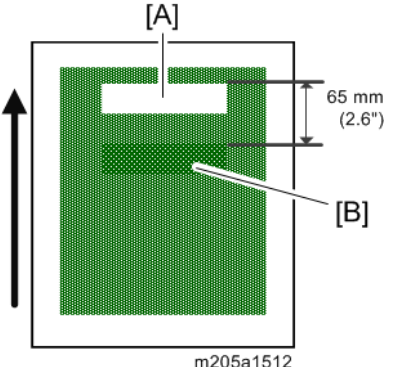
Toner accumulates on the surface of the development roller for non-imaged area ([A] area on figure 1). So, image density could become denser immediately after the non-imaged area until the development roller rotates one time ([B] area on the figure 1).

Note

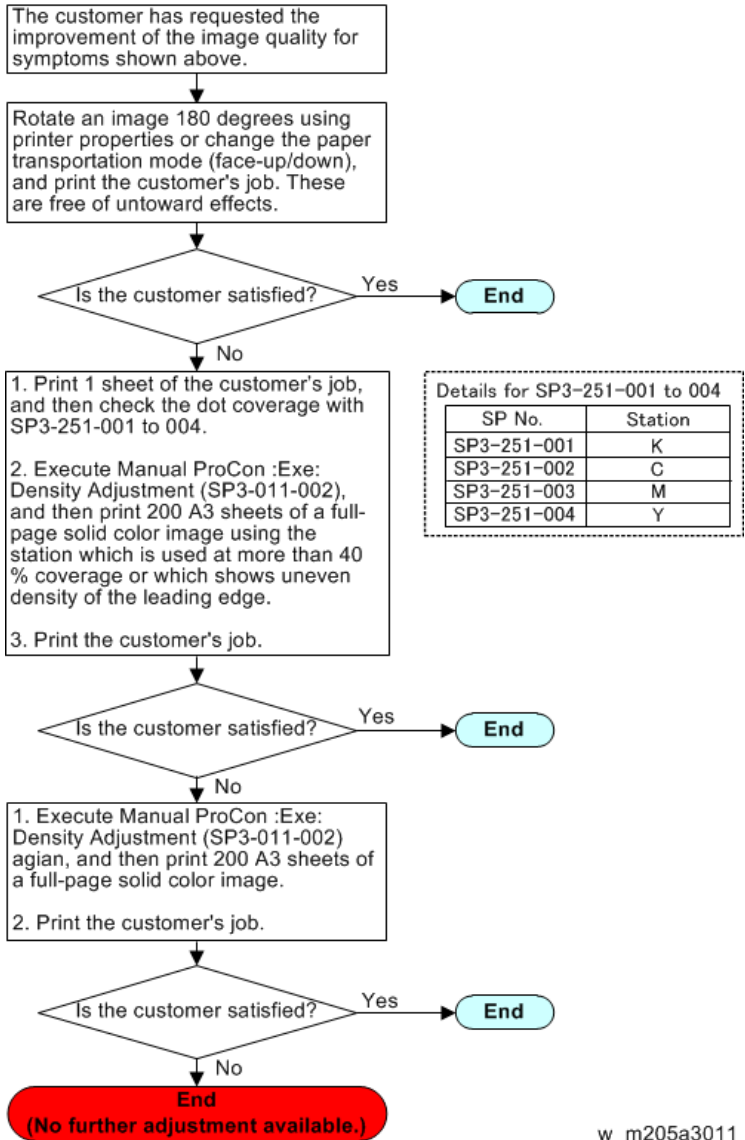
- An amount of the toner that accumulates on the development roller varies depending on the usage environment.
- The following conditions could worsen the symptom.
 - Print coverage: Low (especially in less than 5%)
 - Humidity: Low
 - Duty: High (When the machine continuously performs operation (printing, idling) for a long time after it is turned on.)

Other samples of symptoms

Sample	Description
 <p>m205a1509</p>	<p>Density becomes denser at the 65 mm (2.6 inches) of the leading edge especially in solid images.</p>
 <p>m205a1510</p>	<p>When the high density area [A] is on the leading edge of the image and the halftone area is on the trailing edge, halftone area located in the downstream of the high density area [B] becomes fainter.</p>
 <p>m205a1511</p>	<p>If there is a solid image area [A] on the halftone image, the area [B] located in the 65 mm (2.6 inches) of the downstream of solid image area becomes fainter.</p>

Sample	Description
 <p>The diagram shows a green halftone image with a white rectangular area labeled [A] at the top. A vertical arrow on the left points upwards. A horizontal line below [A] is labeled [B]. A dimension line to the right of [A] indicates a distance of 65 mm (2.6 inches) from the bottom of [A] to the top of [B]. The text 'm205a1512' is located at the bottom of the diagram.</p>	<p>If there is white area [A] in a solid image or half-tone image, the area [B] located in the 65 mm (2.6 inches) of the downstream of white area becomes denser.</p>

Action

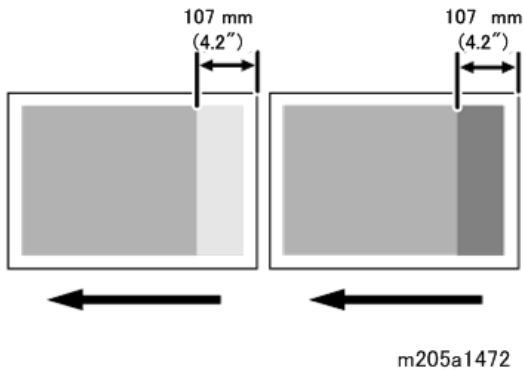


w_m205a3011

Uneven density within 107 mm (4.2 in.) of the trailing edge

Symptom

Printing in the area extending approximately 107 mm (4.2 inches) from the trailing edge is fainter or denser when printing a halftone image.



*The arrow indicates the paper feed direction.

Cause

When the paper passes the PTR Timing Roller, in the pre-nip area before the paper transfer unit (PTR), the sticking force and the distance between the ITB and paper differ, which causes density unevenness.

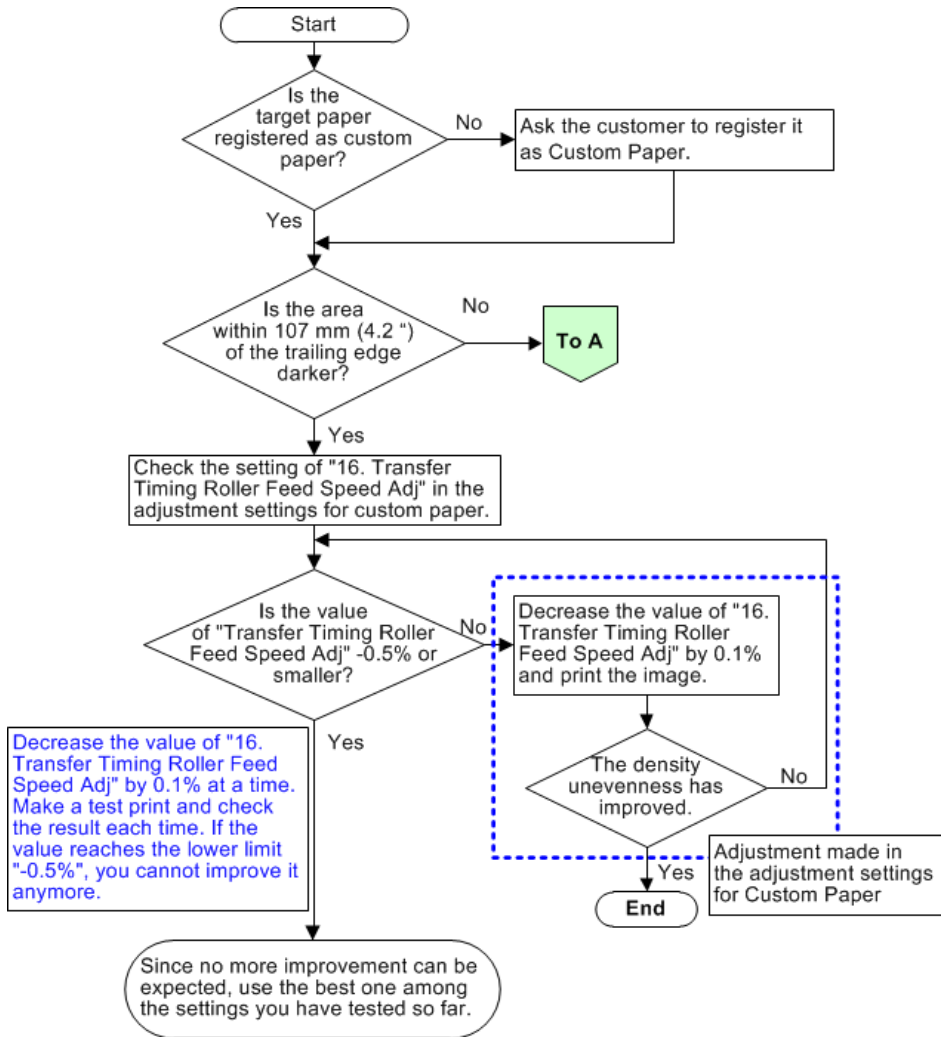
Either change of density or jitter may occur in the position 107 mm (4.2 inches) from the trailing edge.

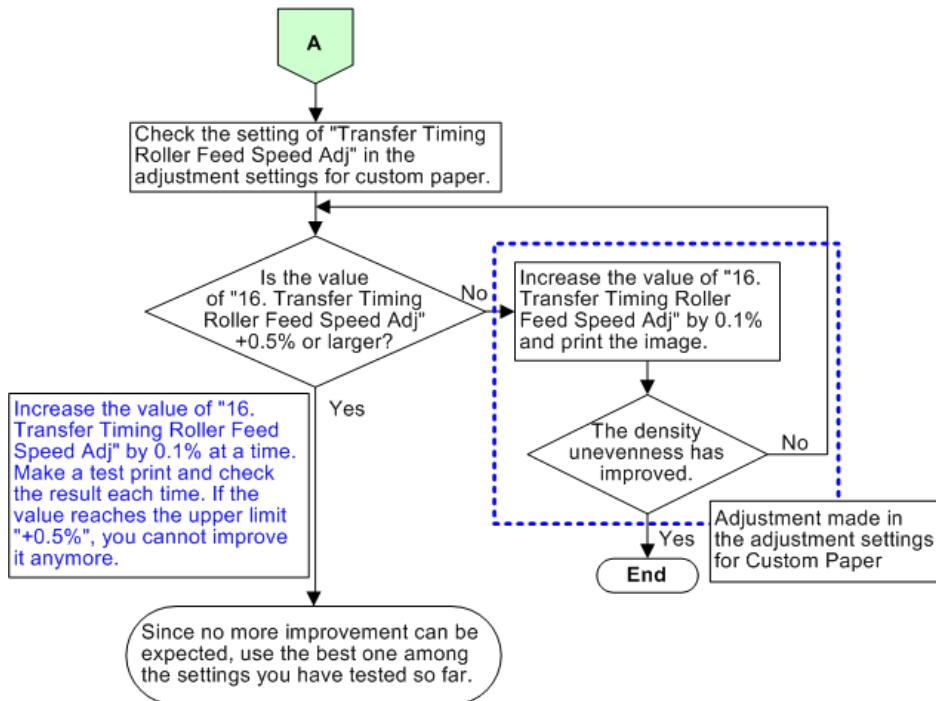
Note

- The following conditions increase the risk of this symptom.
 - Environment: Low temperature and low humidity
 - Image: Halftone image
 - Paper thickness: 2 to 4

Action

Adjust SP1-006-xxx (Transfer Timing Roller Feed Speed Adj).



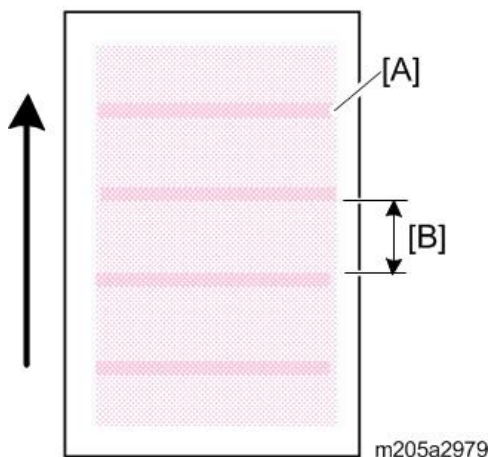


w_m205a7035

Banding at regular intervals

Symptom

Vertical stripes appear at 151 mm intervals (Pro C9100) or at 164 mm intervals (Pro C9110) in halftone areas.



*The arrow indicates the paper feed direction

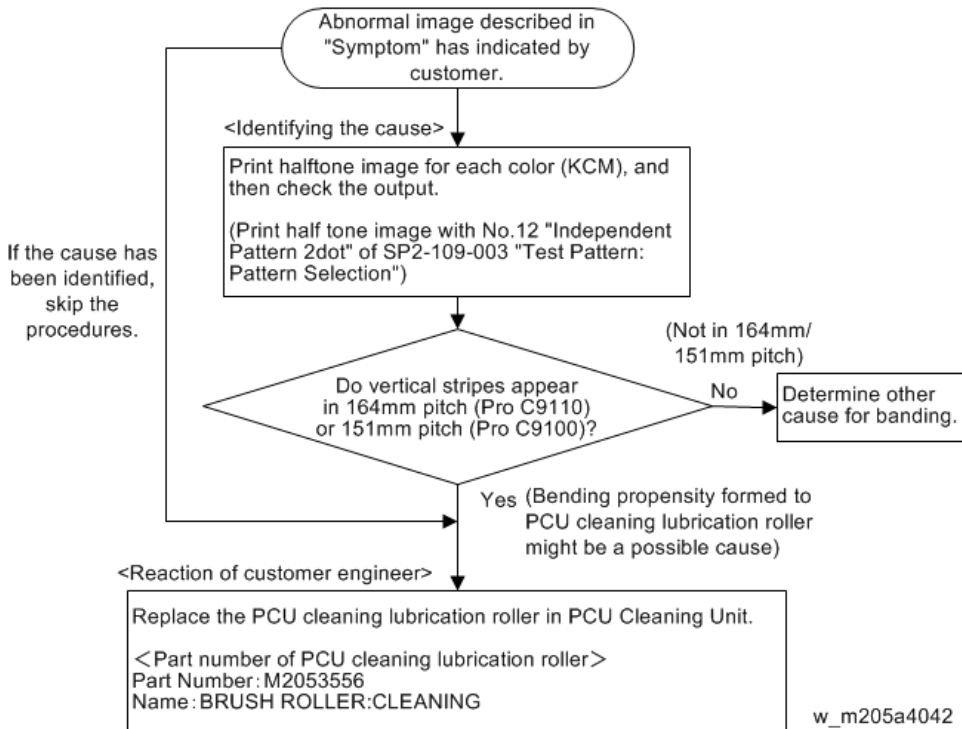
[A]: Vertical stripes

[B]: 151mm intervals (Pro C9100) or 164mm intervals (Pro C9110)

Cause

- The bending propensity is formed to the PCU cleaning lubrication roller which is contacting with PCU when the machine has been left for a long term (more than several month). The bending part of the PCU cleaning lubrication roller gives fluctuation of load torque to PCU, and then vertical stripes appears on the printouts.
- The vertical stripes appears likely when store the machine in warehouse in summer in a high-temperature and high-humidity environment.
- You need to replace the PCU cleaning lubrication roller since enormous amount of time is required to get rid of the bending propensity.

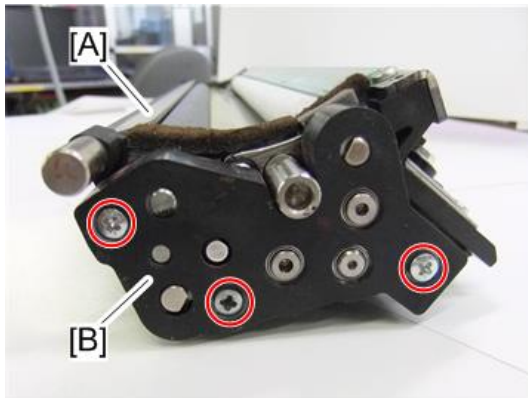
Action



PCU cleaning roller replacement procedure

1. Remove PCU cleaning unit. (page 756 "PCU Cleaning Unit Removal")

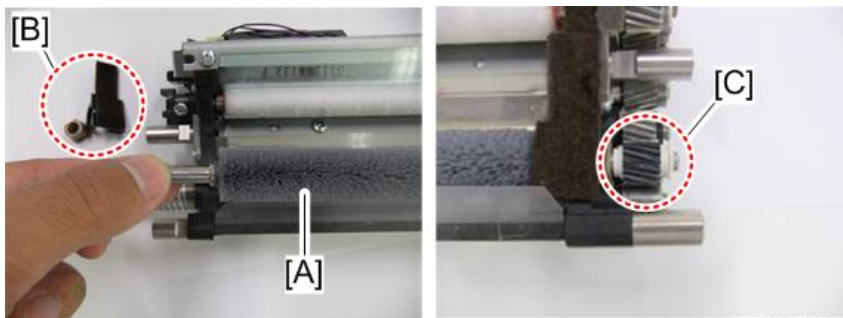
2. Remove the gear cover [B] from front side of PCU cleaning unit [A]. (⚙️×3)



m205a2981

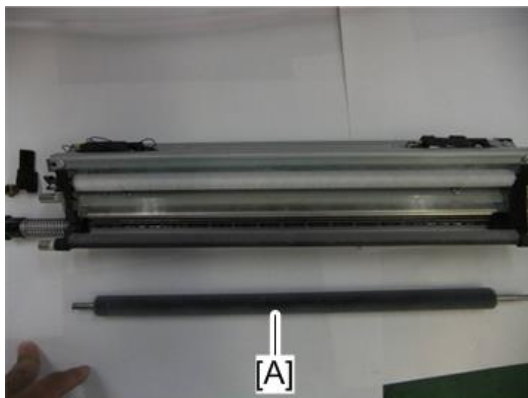
3. Remove E-ring, bearing, bearing holder [B] from rear side of PCU cleaning roller [A].

4. Remove E-ring and gear [C] from front side.



m205a2982

5. Remove PCU cleaning roller [A].

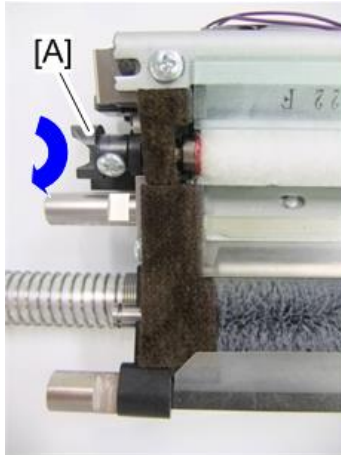


m205a2983

↓ **Note**

- Important points about replacing PCU cleaning roller;

- When installing PCU cleaning roller, install it slowly not to damage to PCU cleaning blade.
- After installing PCU cleaning blade, check that the joint [A] rotates counter-clockwise smoothly.



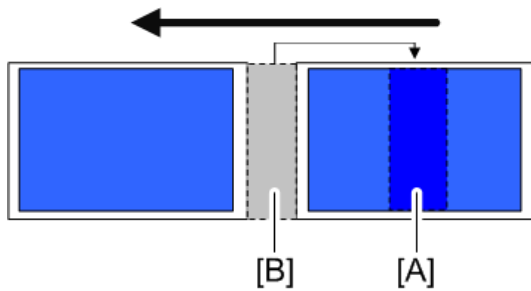
m205a2984

Bands of glossiness

Symptom

A gap of glossiness appears on the 1st sheet of full-page solid color images.

The width of the gap of glossiness [A] matches the interval [B] and the pressure roller diameter.



m205a1475

*The arrow indicates the paper feed direction.

Condition

The following conditions increase the risk of this symptom.

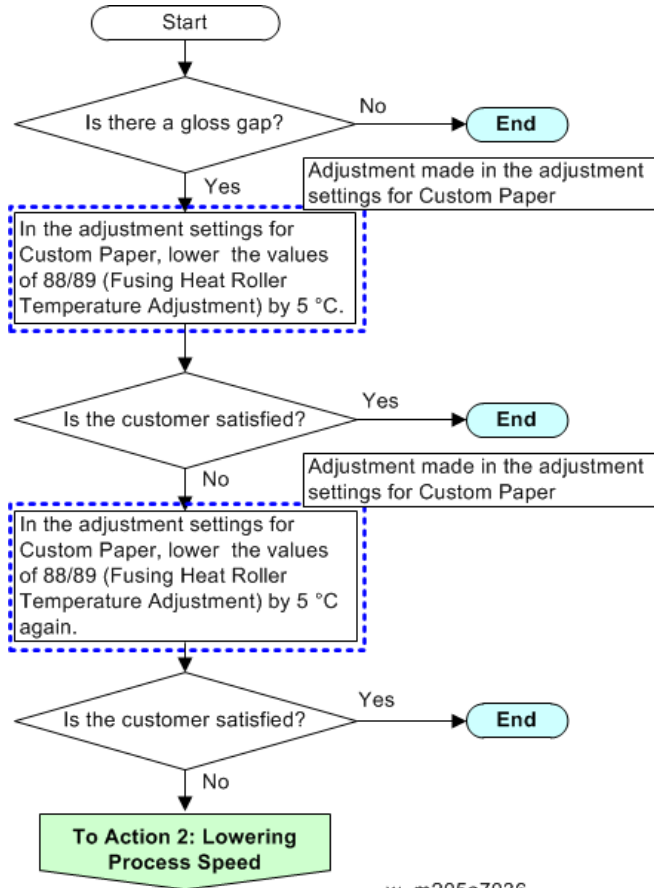
- Paper thickness: 6 or thicker
- Solid color image (uses 2 or more colors)
- The 1st sheet of a duplex print job.

- First few sheets or the latter part of the latter part of interleaving printing (3rd last sheet).

Action

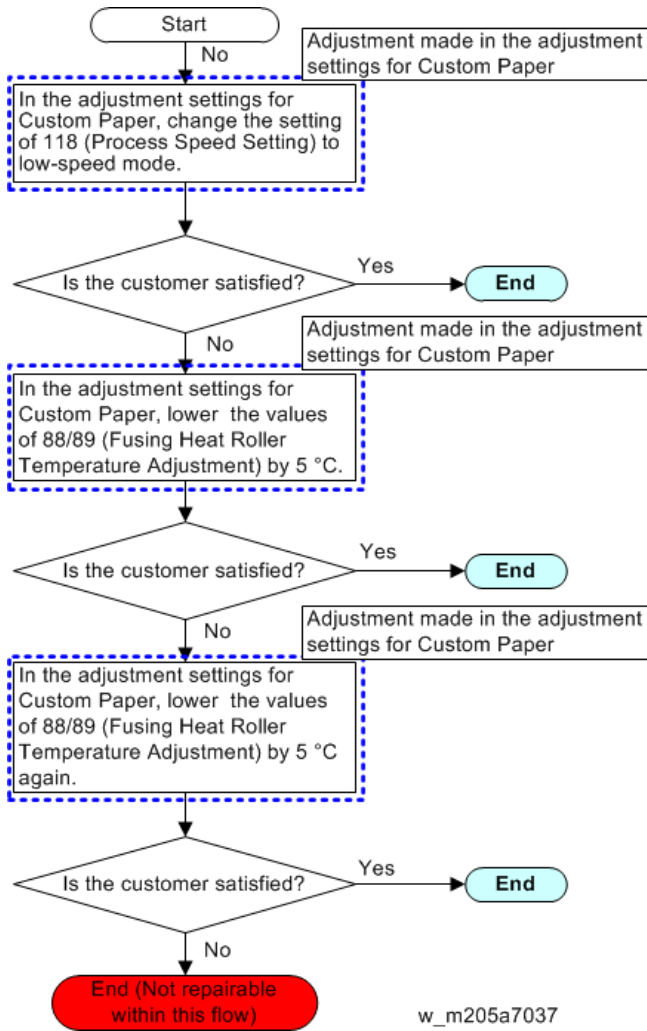
<Action 1: Lowering fusing temperature>

Lower the fusing temperature 5° at a time to reduce the gap of glossiness.



<Action 2: Lowering process speed>

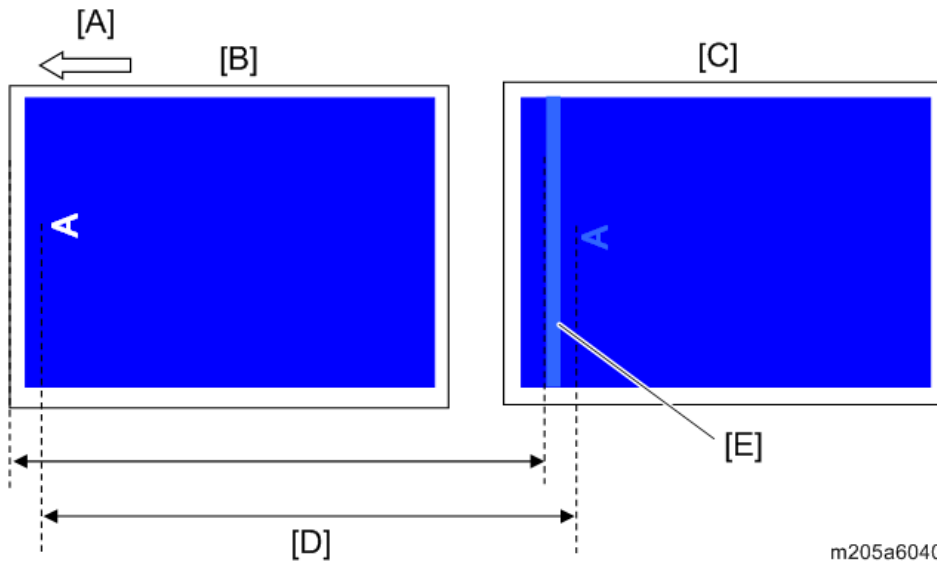
Lower the fusing temperature 5° at a time to reduce the gap of glossiness.



Gloss afterimage

Symptom

In a continuous print run, an afterimage of a white area on the 1st sheet appears on the 2nd sheet as a high-glossiness area.



[A]: Feed direction

[B]: 1st sheet

[C]: 2nd sheet

[D]: Fusing belt circumference = approximately 462 mm

[E]: The glossiness tends to be higher.

Conditions

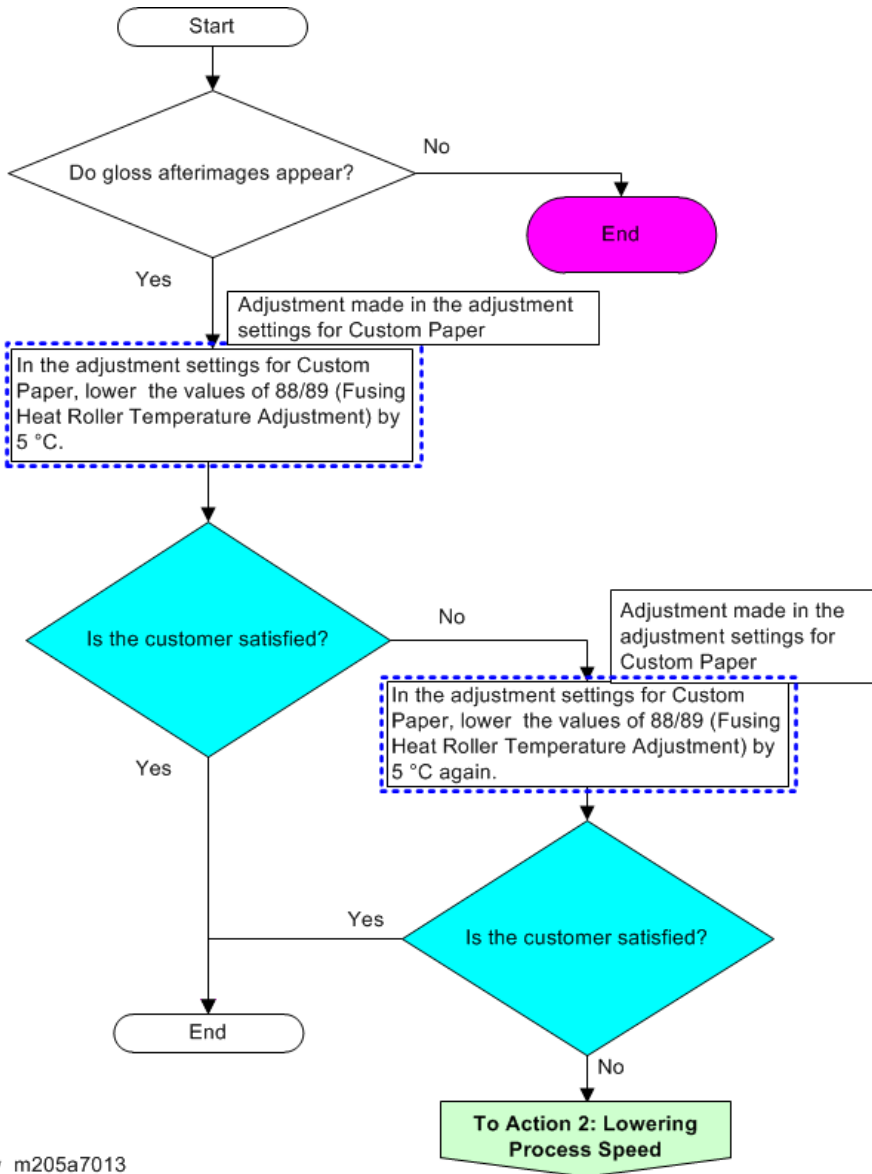
Appears on a solid image (with 2 or more colors) that has a white area.

Tends to appear on the first sheets of the print job.

Action

<Action 1: Lowering fusing temperature>

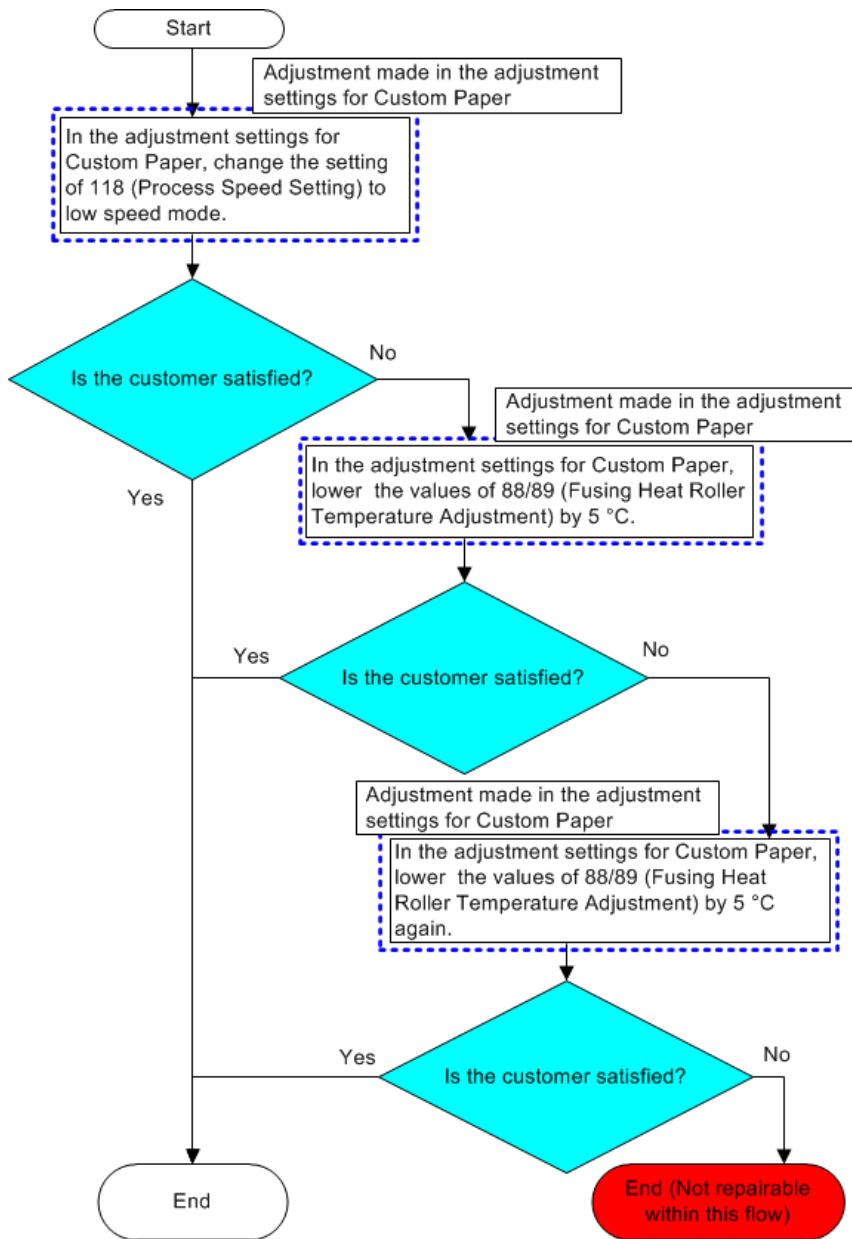
Lower the fusing temperature 5° at a time to reduce the gap of glossiness.



w_m205a7013

<Action 2: Lowering process speed>

Lower the fusing temperature 5° at a time to reduce the gap of glossiness.

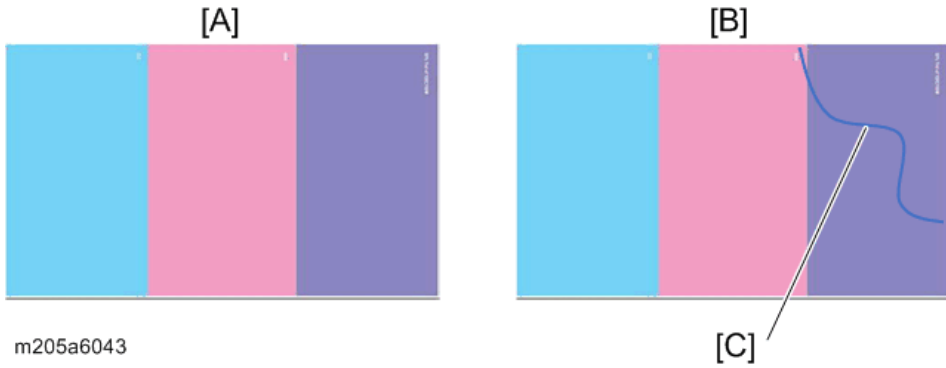


w_m205a7014

Rippling gloss unevenness

Symptom

Gloss unevenness in a rippling shape appears on the 2nd side during duplex printing.



[A]: 1st side

[B]: 2nd side

[C]: Gloss unevenness

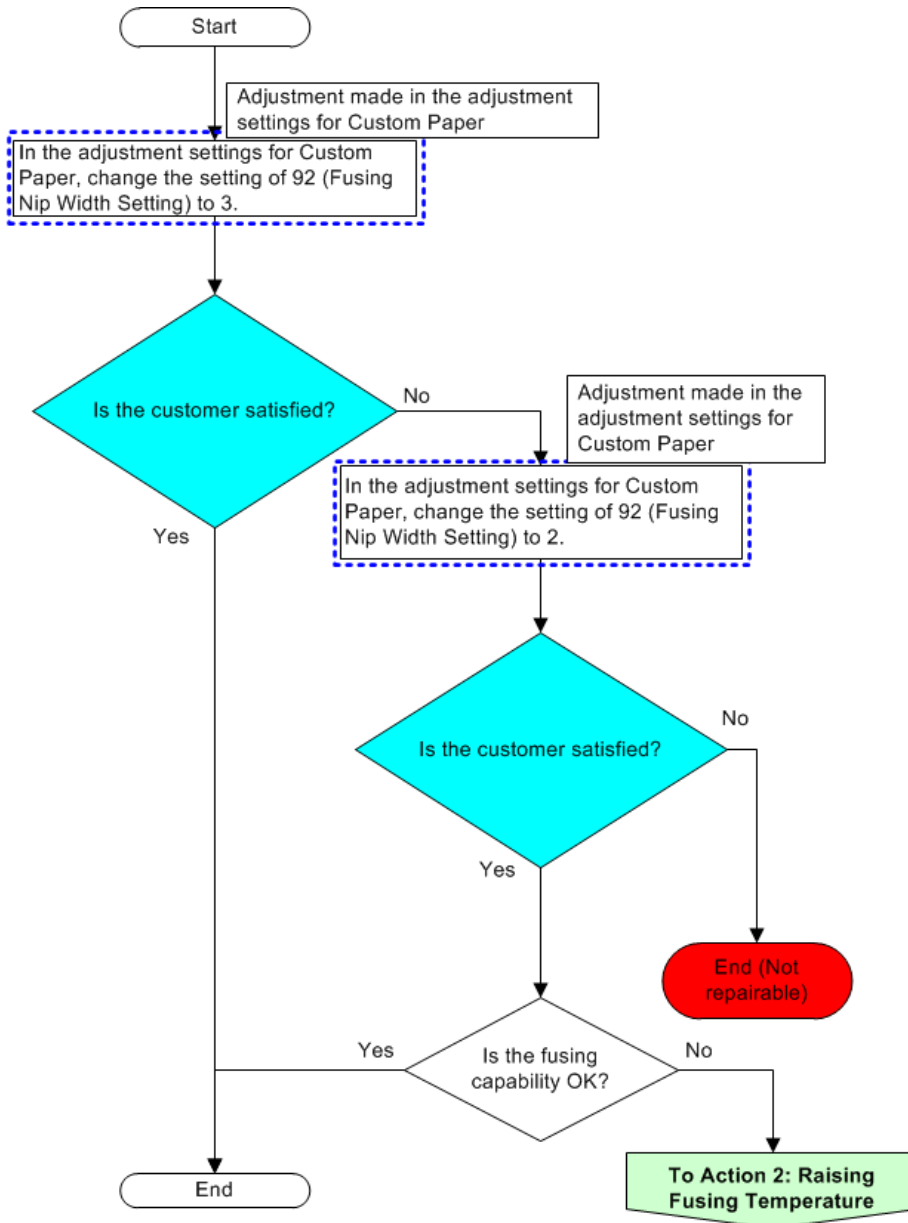
Conditions

- Paper thickness: 52.3gsm (Thick Paper 1) to 163gsm (Thick Paper 4)
- The image covers a large portion of the sheet.
- Low amount of toner (close to a solid color where only one kind of toner is used)
- Duplex printing

Action

<Action 1: Narrowing the nip width>

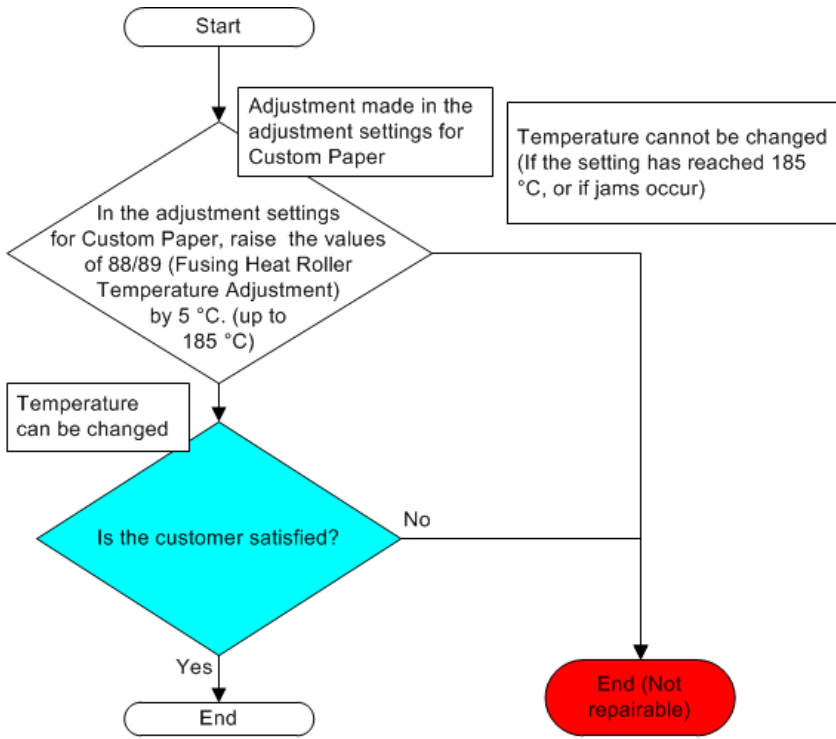
Narrow the nip width to reduce rippling gloss unevenness. Change the nip width setting 1 step at a time.



w_m205a7015

<Action 2: Raising fusing temperature>

Raise the fusing temperature 5° at a time to fix fusing problems caused by narrowed nip width.

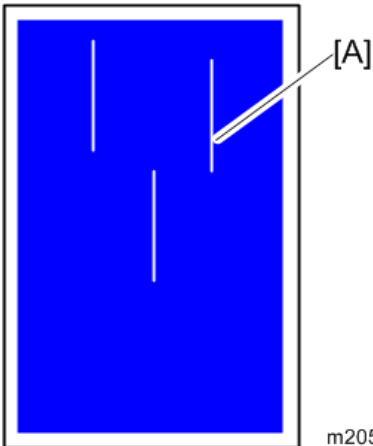


w_m205a7016

Gloss unevenness occurred in paper cooling unit

Symptom

Bands of different glossiness [A] appear which is similar to the streaks on the solid images.



m205a0103

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Paper thickness/paper type: Paper Weight 4 (105.1–163.0g/m²), Paper Weight 5 (163.1–220.0g/m²), Coated paper
- Temperature: HH, HM
- Image area: Solid image
- Others: 1st sheet of printing

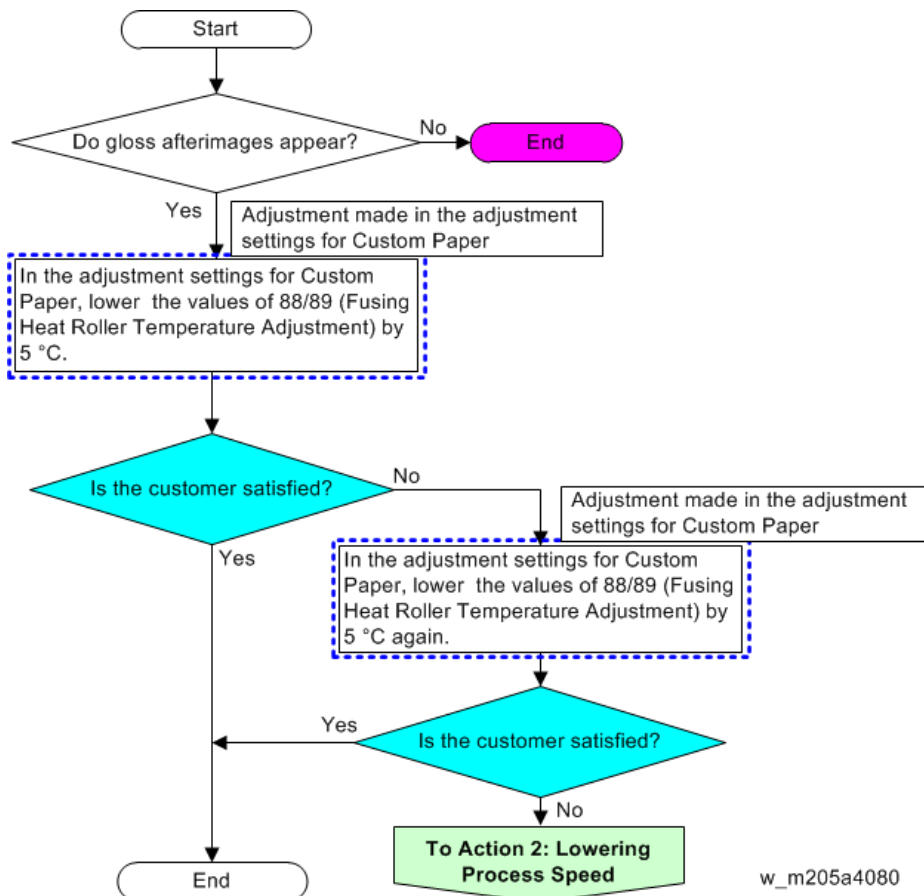
Cause

While the temperature of toner surface on the paper is over 95°C, surface of the toner become smooth and glossiness become high when the toner contacts with paper cooling belt of paper cooling unit. But, if the toner which contacts with paper cooling unit is peeled off from the paper, gloss unevenness occurred.

Action

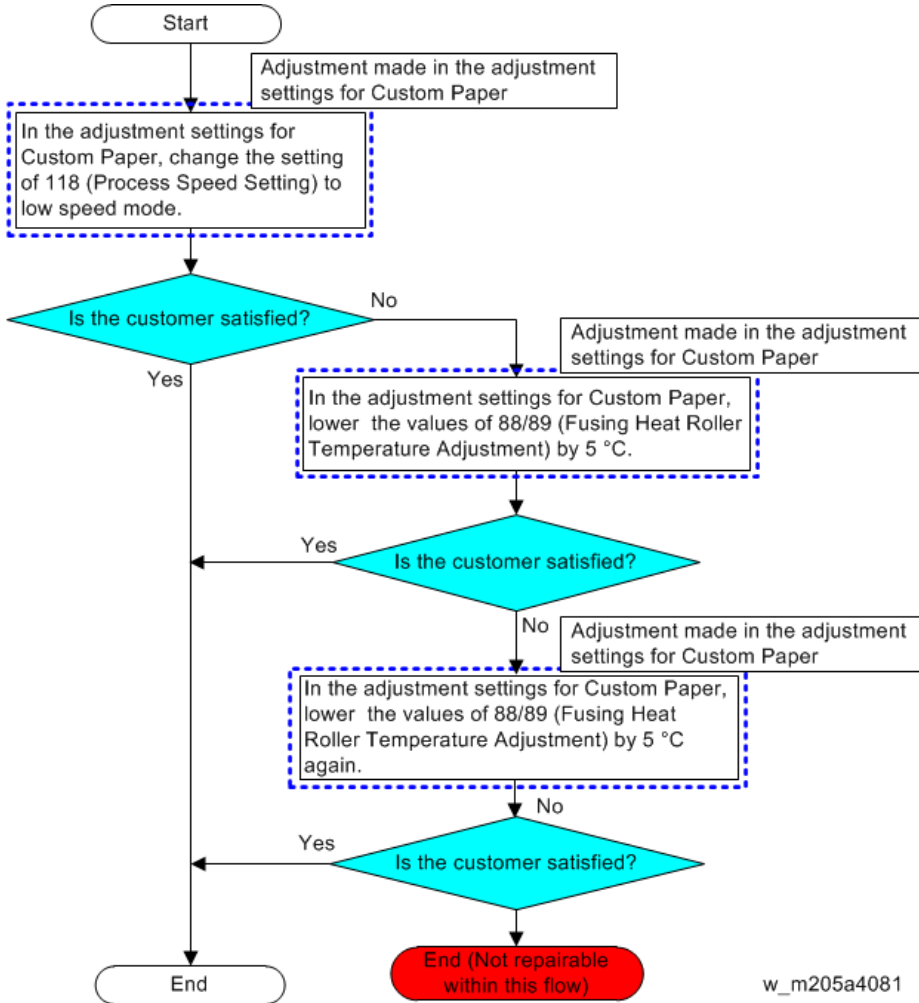
<Action 1: Lowering fusing temperature>

Lower the fusing temperature 5° at a time to reduce the gap of glossiness.



<Action 2: Lowering process speed>

Lower the fusing temperature 5° at a time to reduce the gap of glossiness.

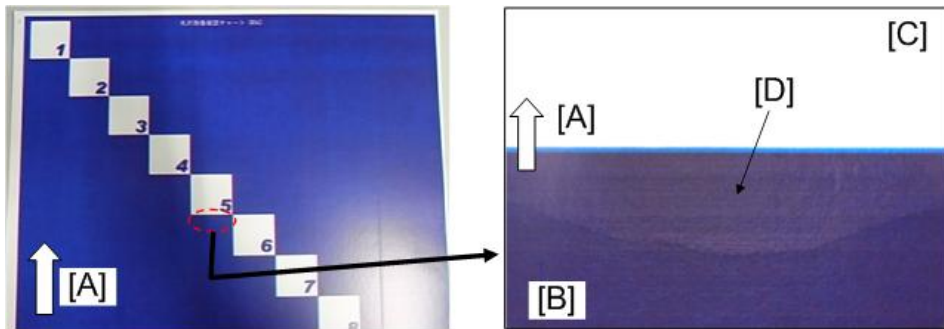


w_m205a4081

Uneven glossiness in patches

Symptom

Part of a solid color image lacks glossiness and the surface is rough.



m205a6049

[A]: Feed direction

[B]: Solid color image

[C]: White part

[D]: Lacks glossiness.

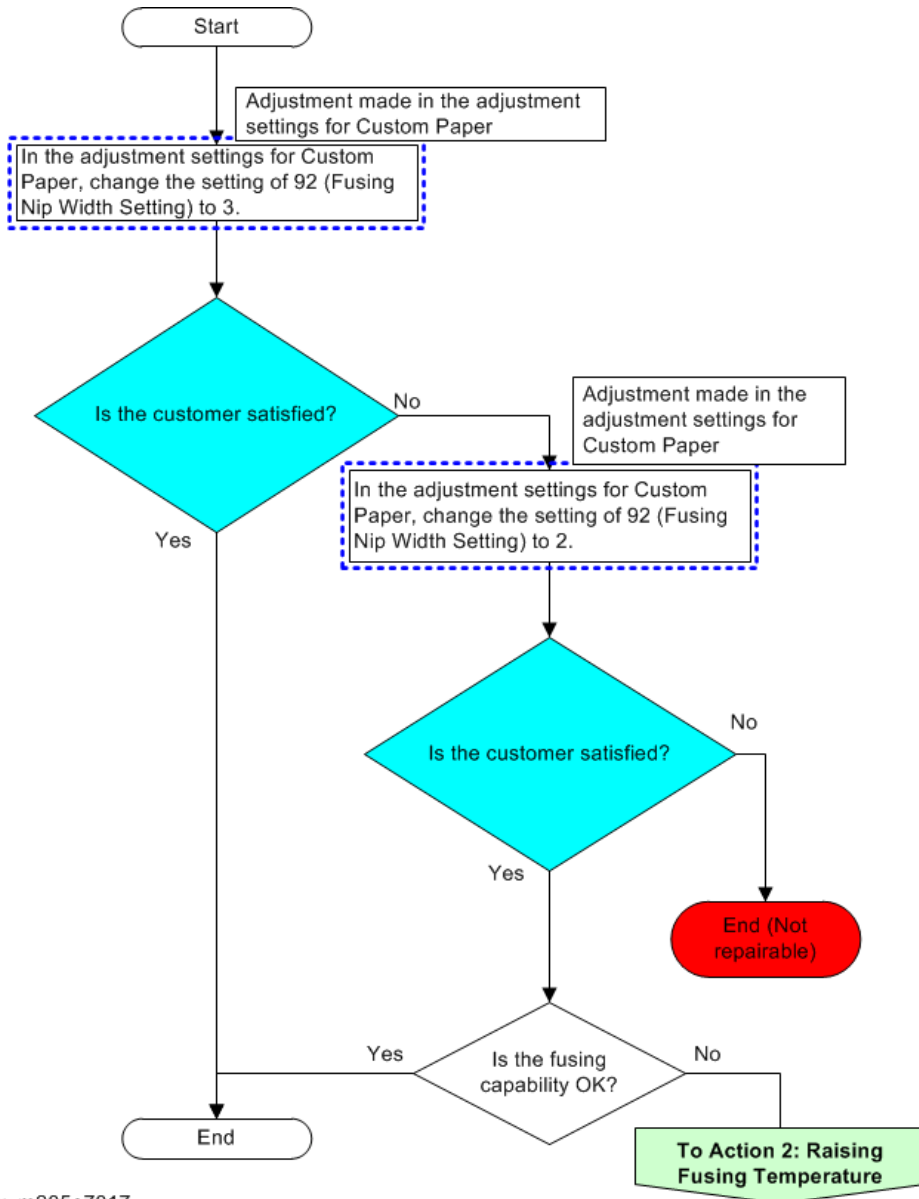
Condition

Appears on solid color image that follows a white part when fed.

Action

<Action 1: Narrowing the nip width>

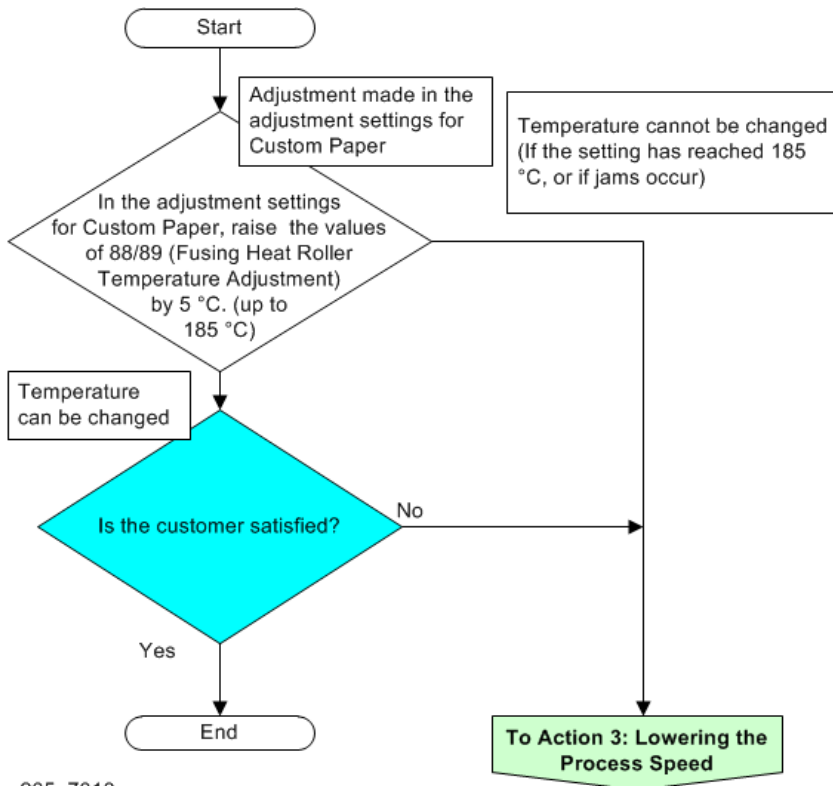
Narrow the nip width to reduce patches with reduced glossiness. Change the nip width setting 1 step at a time.



w_m205a7017

<Action 2: Raising the fusing temperature>

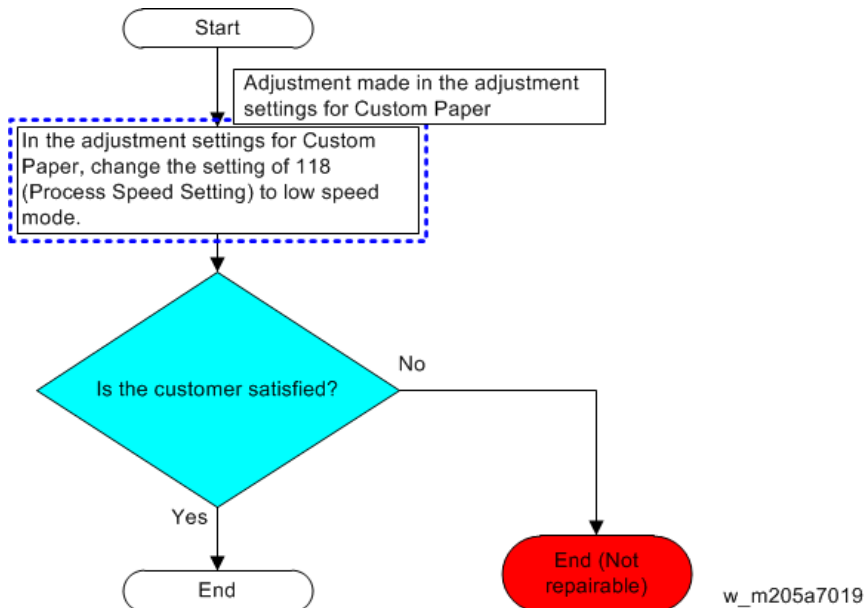
Raise the temperature to fix fusing problems caused by narrowed nip width.



w_m205a7018

<Action 3: Lowering the process speed>

Lower the process speed to fix fusing problems caused by narrowed nip width.



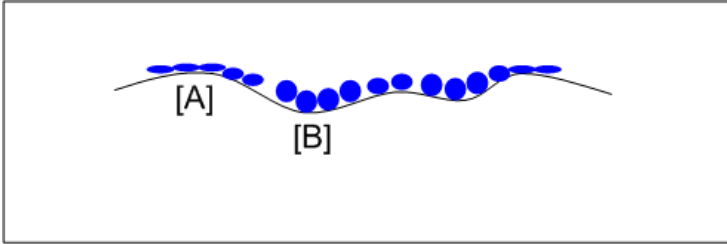
w_m205a7019

Orange peel images

Symptom 1: Orange peel image

Some part of a solid color image is glossy and some part is not.

Cross-section drawing of an orange peel image

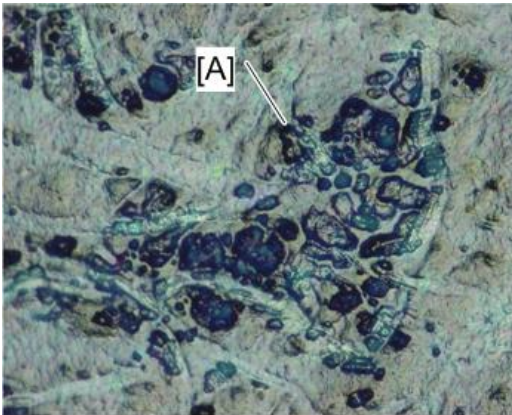


m205a6050

[A]: Convex portion (toner melts easily)

[B]: Concave portion (toner does not melt easily)

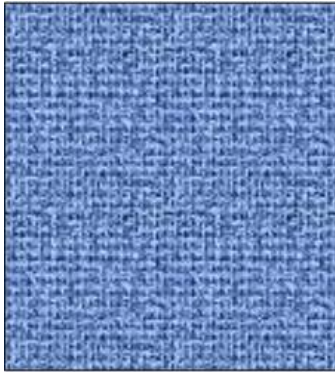
Micrograph of an orange peel image (x 500)



m205a6051

[A]: Toner has not melted completely.

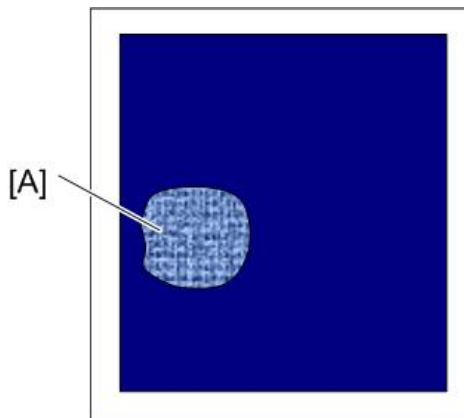
Illustration of an orange peel image: The glossiness is uneven.



m205a6052

Symptom 2: Difference of glossiness within a page

The glossiness of a part of a solid color image [A] on a single page may be lower than the other parts.



m205a6053

Condition

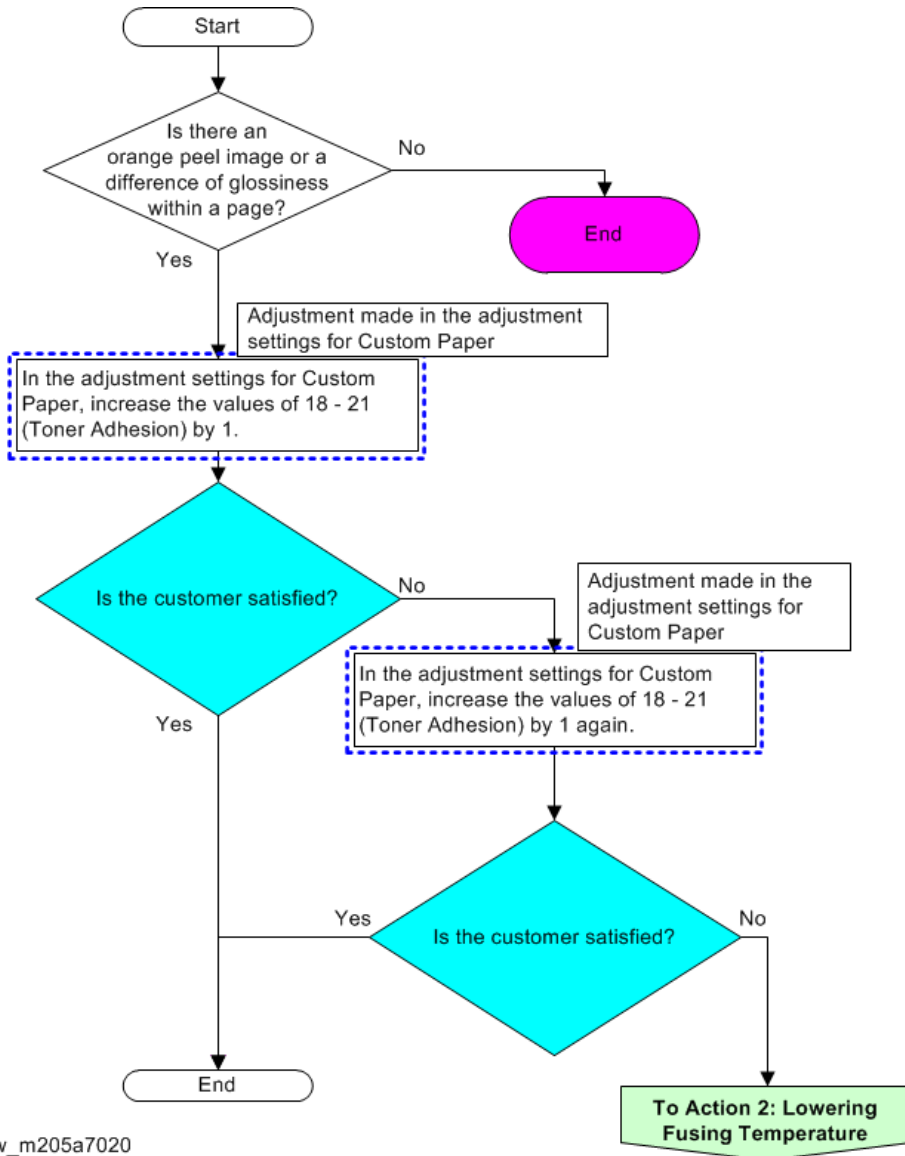
Orange peel image appears on paper with low smoothness. Ex.: Munken400gsm, Finch Fine, etc.

Difference of glossiness within a page appears on plain paper (70W).

Action

<Action 1: Increasing toner adhesion>

Increase toner adhesion to reduce orange peel images and differences of glossiness within a page. Change the setting 1 step at a time.



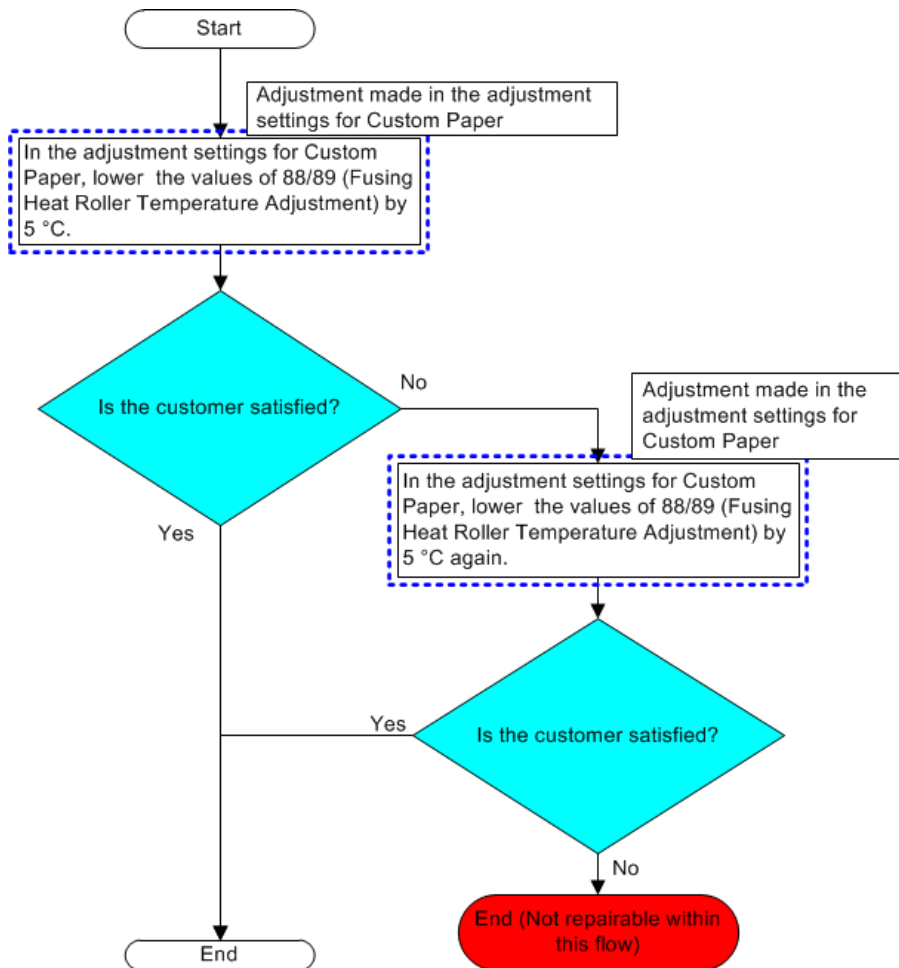
w_m205a7020

Note

- When proceeding to Action 2, check the fusing capability because you have increased toner adhesion in Action 1.

<Action 2: Lowering the fusing temperature>

Lower the fusing temperature to reduce the gap.

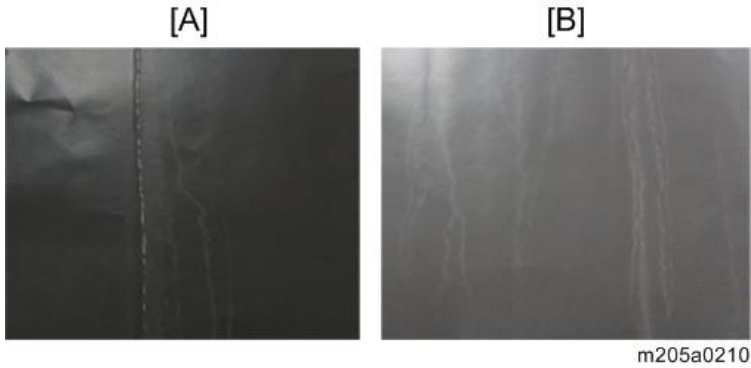


w_m205a7021

Wrinkles, worm tracks, creasing

Symptom

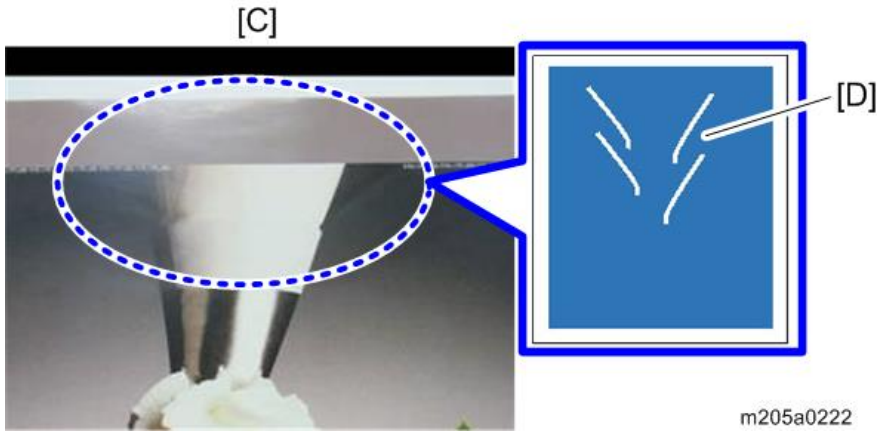
- When printing on thin paper, wrinkles or worm tracks appear.



[A]: Wrinkles

[B]: Worm tracks

- When printing on thin paper, paper creasing is generated.



[C]: Paper creasing

[D]: Paper creasing is generated on the first side of duplex printing

Occurrence Conditions

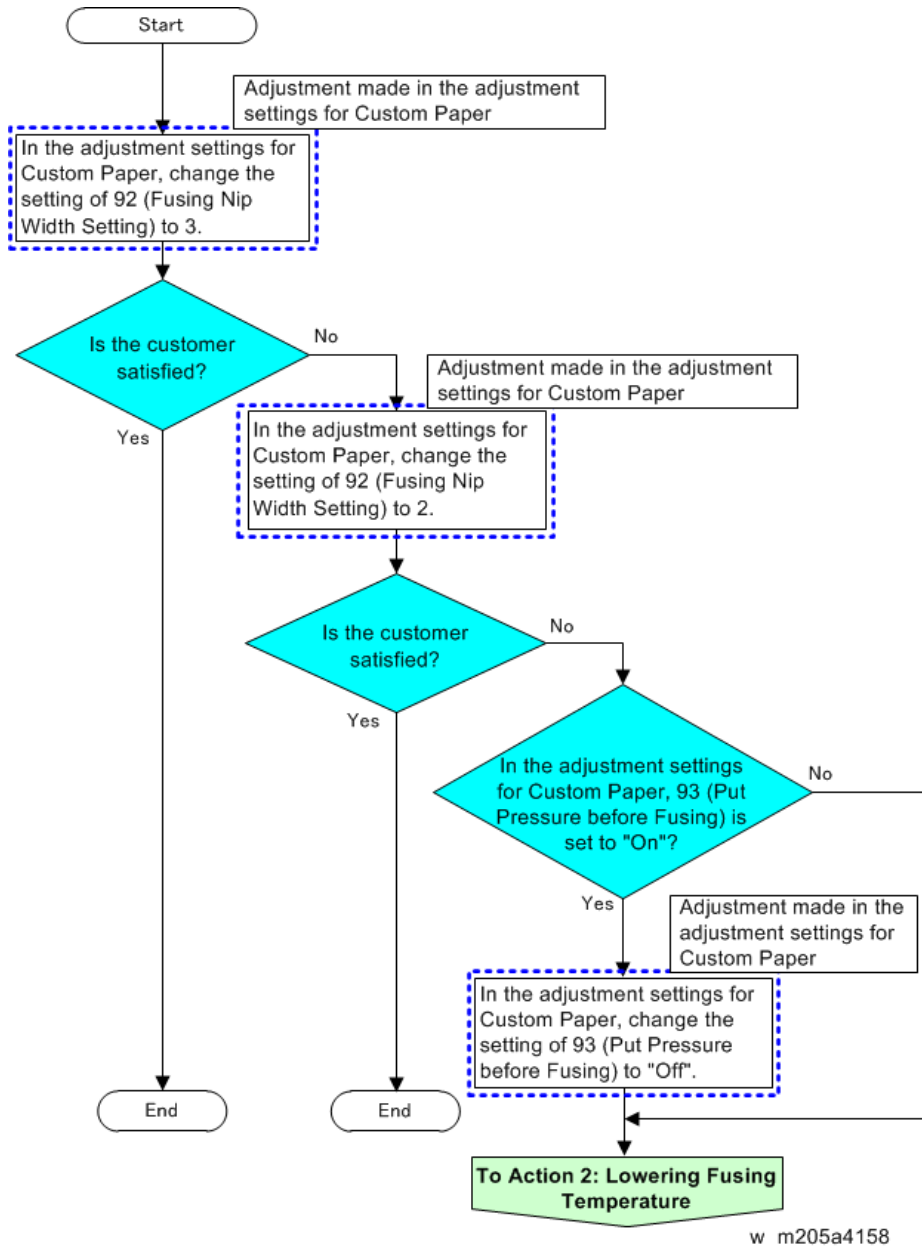
The above problems are likely to occur under the following conditions:

- Printing on thin paper (paper weight is less than 120 gsm)
- Printing an image which has a high solid image area
- Duplex printing
- Printing on a paper which is larger than A3 DLT

Action

Action 1: Narrowing the nip width

Change the nip width setting 1 step at a time.



Action 2: lowering the fusing temperature

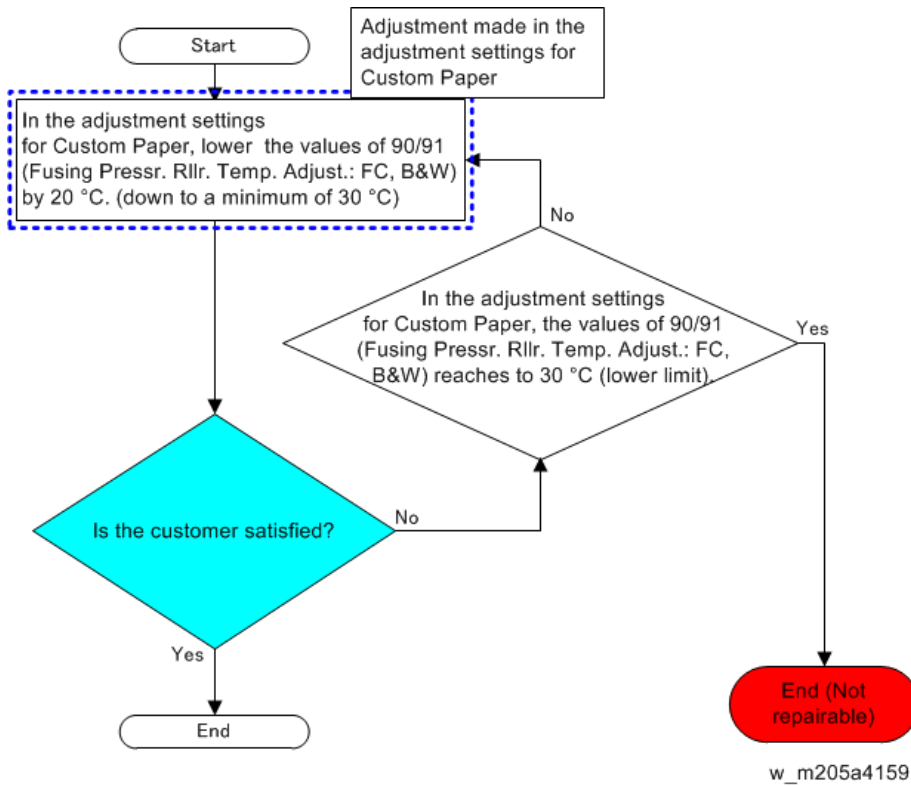


Image Quality 005: Stains

Overview

Areas outside letters or images are stained.

Item	Description
Paper Edges Are Dirty	Toner sticking to the paper feed path may cause stains on the paper edges.
Foreign objects on the printed paper	Foreign objects appear at the pressure roller separation pawls position on the printed paper (1st side).
Toner scattered	Abnormal image like scattered toner appear around letters and/or lines.
Stains at the trailing edge after changing the paper type	Stains are on the trailing edge of the paper after the paper type was changed.

Item	Description
Abnormal image (high/low density, toner dust, horizontal line) in the area 20mm from trailing edge	The abnormal image (high/low density, toner dust, horizontal line) appears at leading edge (within about 20mm).
Toner scattered in the area 15mm from trailing edge	Toner scattered occurred in the area 15mm from trailing edge at front side.
White zones, black streaks, scratches in the area 15mm from trailing edge	White zones, black streaks, scratches appeared in the area 15mm from trailing edge.

Paper edges are dirty

Symptom

Stains are on the paper edges.

Cause

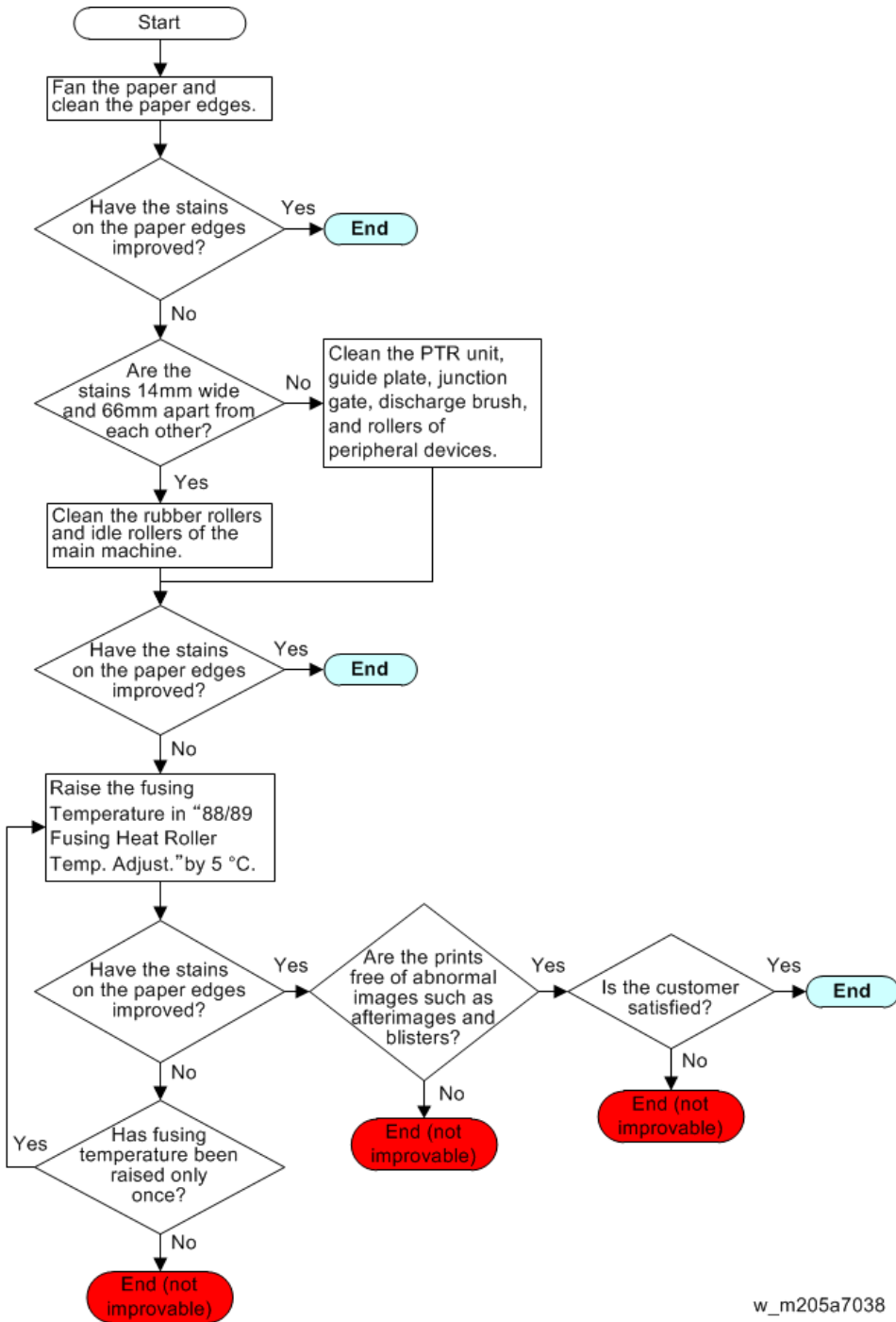
Toner sticking to the feed rollers

Action

Cleaning the paper path, fanning the paper, cleaning the paper edges, cleaning the feed rollers, improving fusing capability by raising the fusing temperature.

Note

- Raising the fusing temperature may cause abnormal images such as afterimages and blisters, depending on the paper type and image contents.



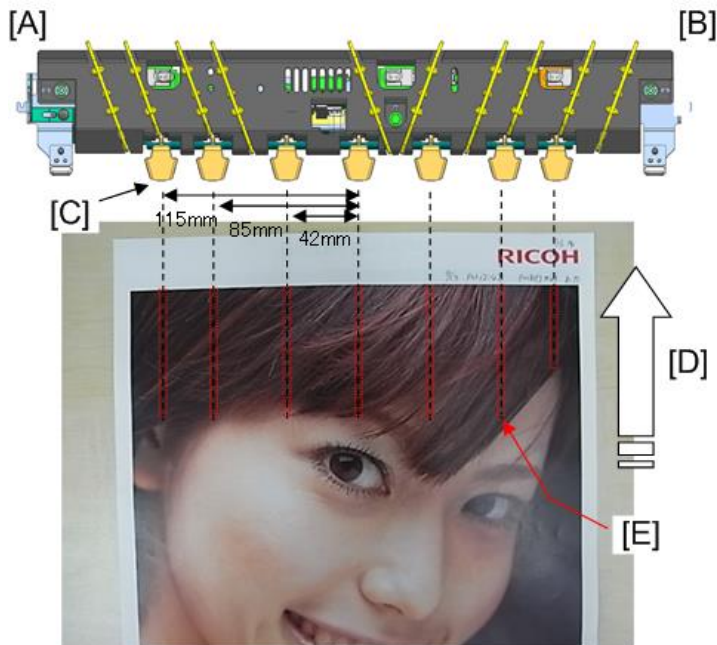
Foreign objects on the printed paper

Symptom

Foreign objects like shown in the picture below appear at the pressure roller separation pawls position on the printed paper (1st side).



m205a6036



m205a6037

[A]: Front side

[B]: Rear side

[C]: Pressure roller separation pawl (7)

[D]: Feed direction

[E]: The area where foreign objects are most likely to appear (corresponds to the positions of the pressure roller separation pawls).

Cause

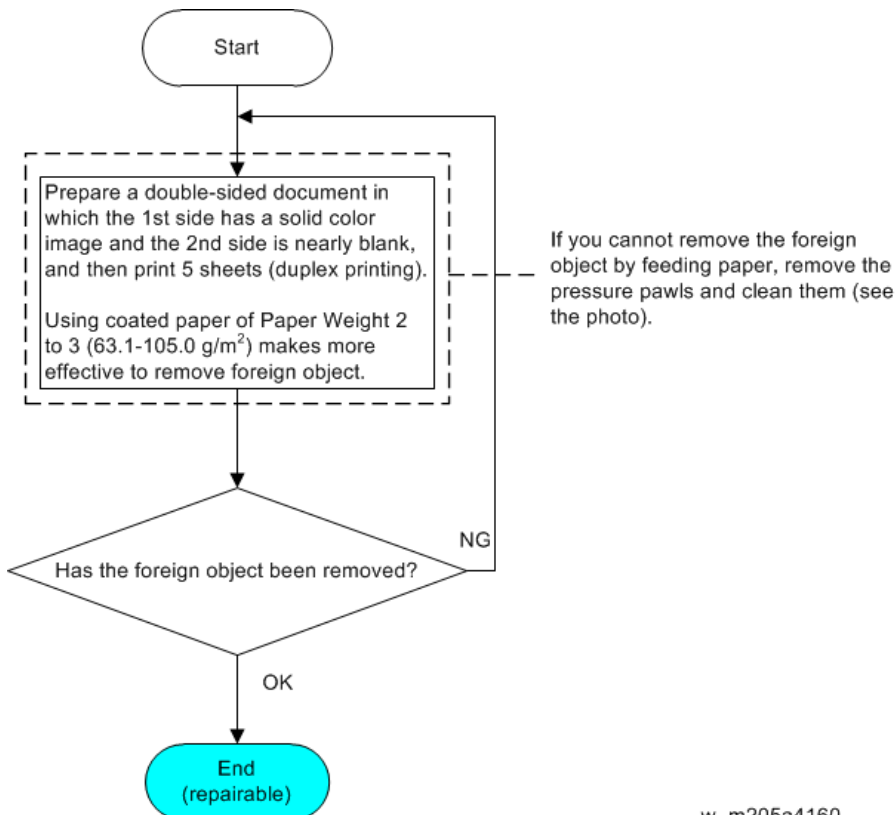
During duplex printing, the 1st side of fed paper catches the paper dust and toner on the pressure roller separation pawls.

Conditions

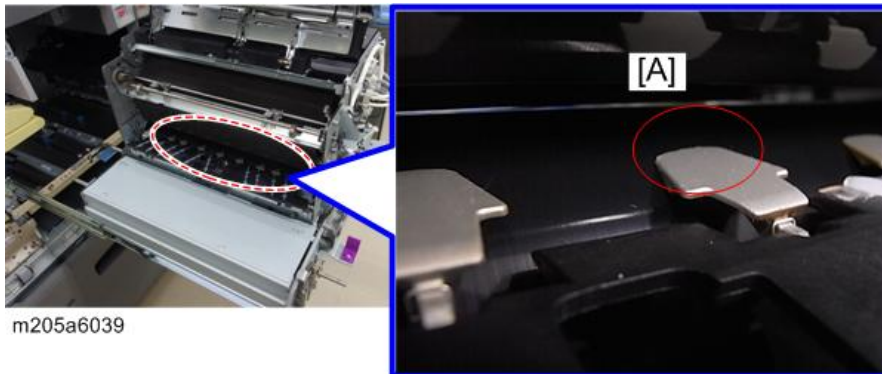
A large amount of paper with a lot of dust and offset toner has been fed first. And then images that cause paper to wind around the pressure roller are printed in duplex mode.

- Feed mode: Duplex mode (The 1st side consumes more toner than the 2nd side).
- Relatively thin paper. Weak paper tends to wind around the pressure roller.

Action



w_m205a4160



[A]: Remove the foreign material from the pressure roller separation pawls

Toner scattered

Symptom

Abnormal image like scattered toner appear around letters and/or lines.



d1352911

Cause

1. The edges are emphasized when the development roller sleeves become dirty when repeatedly printing low-density images in a low-humidity environment.
2. This may also be caused by the image processing of the EFI controller.

Condition

1. Appear around letters and lines which consist of two colors if the total amount of toner is 200 % when printing in a low-humidity environment.
2. Appear around black letters and lines if the total amount of toner exceeds 220 %.

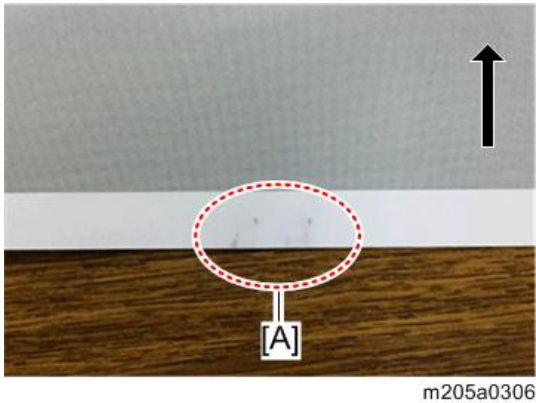
Action

Set the Toner Reduction function ON with printer settings in printer driver.

Stains at the trailing edge after changing the paper type

Symptom

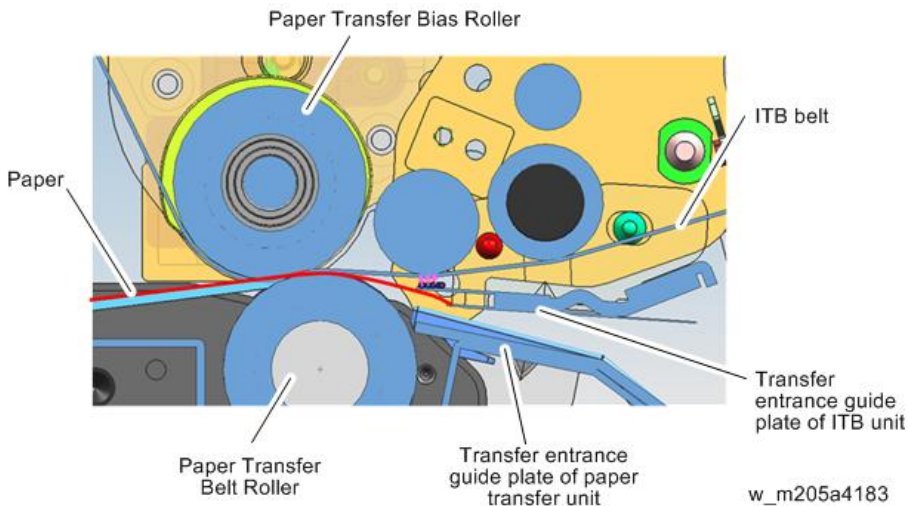
Stains on the trailing edge of the paper after the paper type was changed.



The arrow indicates the paper feed direction

Cause

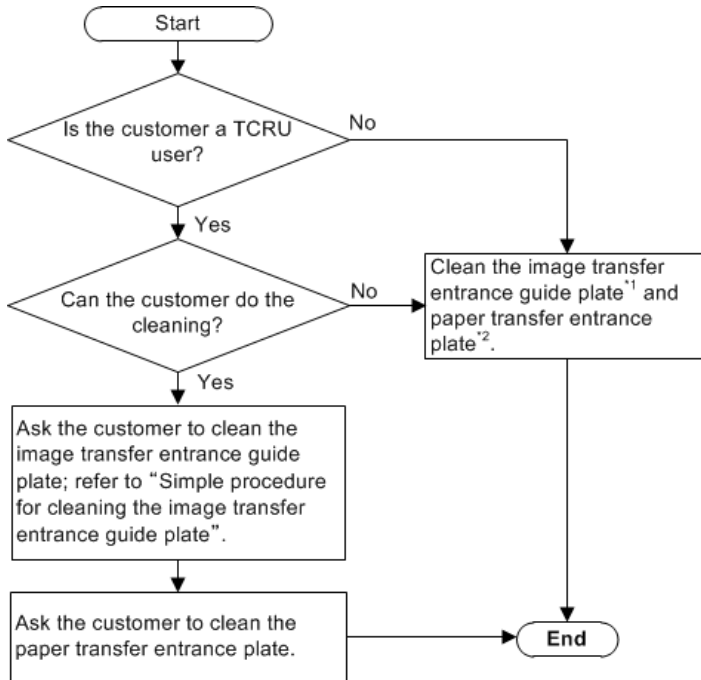
The toner on the ITB is scattered, and then is deposited on the image transfer entrance guide plate, because this plate is close to the ITB. When the paper type is changed from plain paper to thick paper, the trailing edge of the paper vibrates the image transfer entrance guide plate. Then a stained image is generated because the deposited toner is scattered on the paper or the ITB.



Occurrence Conditions

The above problems are likely to occur under the following conditions:

- When the paper type has been changed from plain paper to thick paper.
- When printing low-density images (which cause frequent toner refreshing) or two-color solid images.

Action

w_m205a4184

*1 page 607 "Image Transfer Entrance Guide Plate"

*2 page 641 "Paper Transfer Entrance Plate, Paper Transfer Exit Plate"

Simple procedure of cleaning the image transfer entrance guide plate

1. Remove the ITB cleaning unit. (page 853)
2. Withdraw the drawer unit. (page 1061 "Drawer Unit")
3. Fold the dry cloth provided with the main machine into four.
4. Insert 10mm of the dry cloth between the ITB belt and the image transfer entrance guide plate. Then clean the image transfer entrance guide plate from the front to the rear.



m205a0308

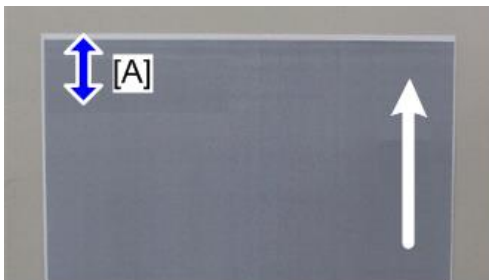
Note

- Be careful not to rub the ITB belt strongly when cleaning the image transfer entrance guide plate.
- Use the dry cloth which is provided with the main machine or its equivalent.

Abnormal image (high/low density, toner dust, horizontal line) in the area 20mm from trailing edge

Symptom

The abnormal image (high/low density, toner dust, horizontal line) appears at leading edge (within about 20mm).



m205a0035

*The arrow indicates the paper feed direction
 [A]: The abnormal image appearance area

Cause

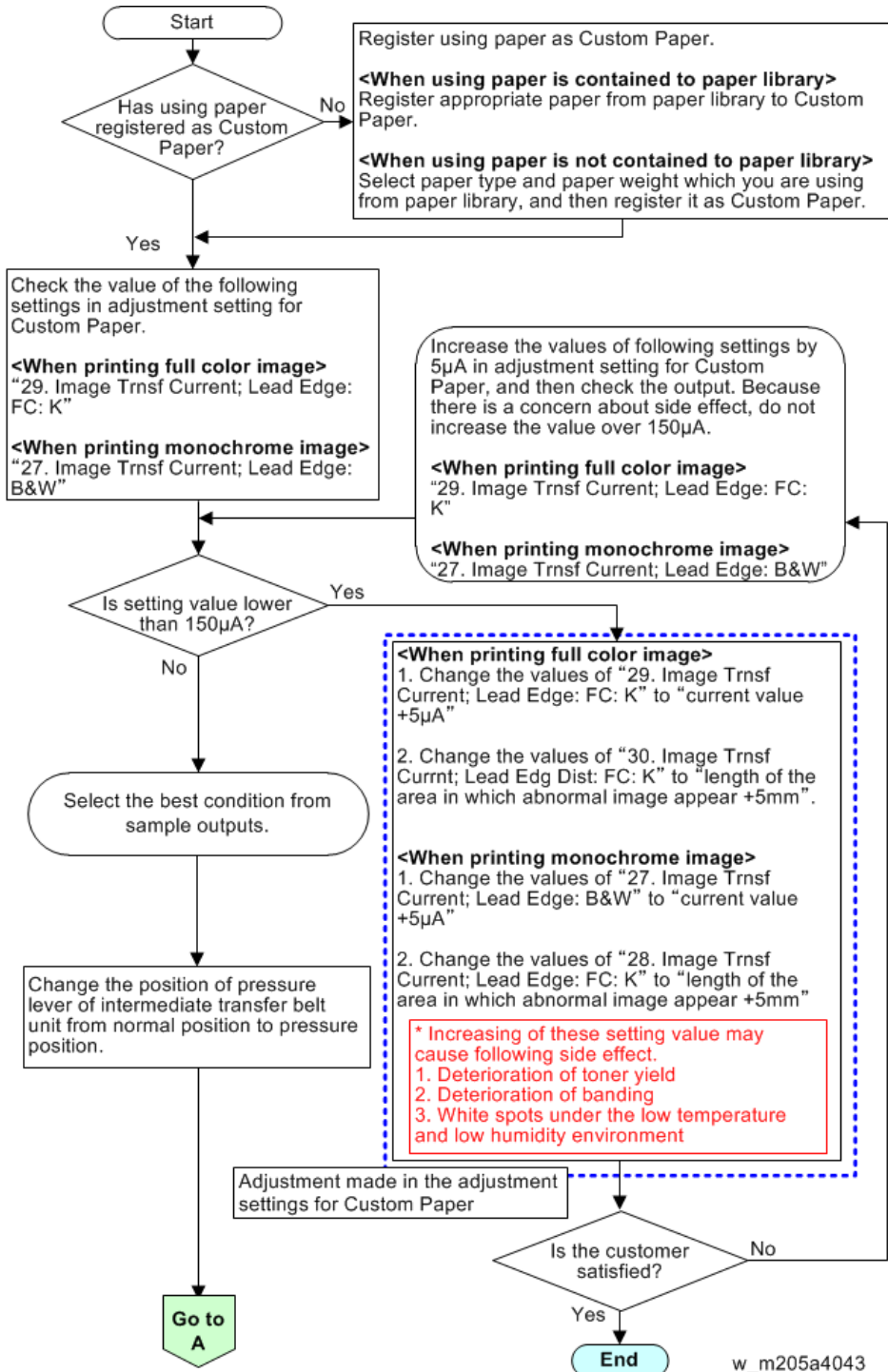
The machine transfers toner from intermediate transfer belt to paper by providing electric transfer field between paper transfer bias roller and paper transfer roller. When the paper enters between paper transfer bias roller and paper transfer roller, blurring of paper occurred and generate abnormal image.

Occurrence Conditions

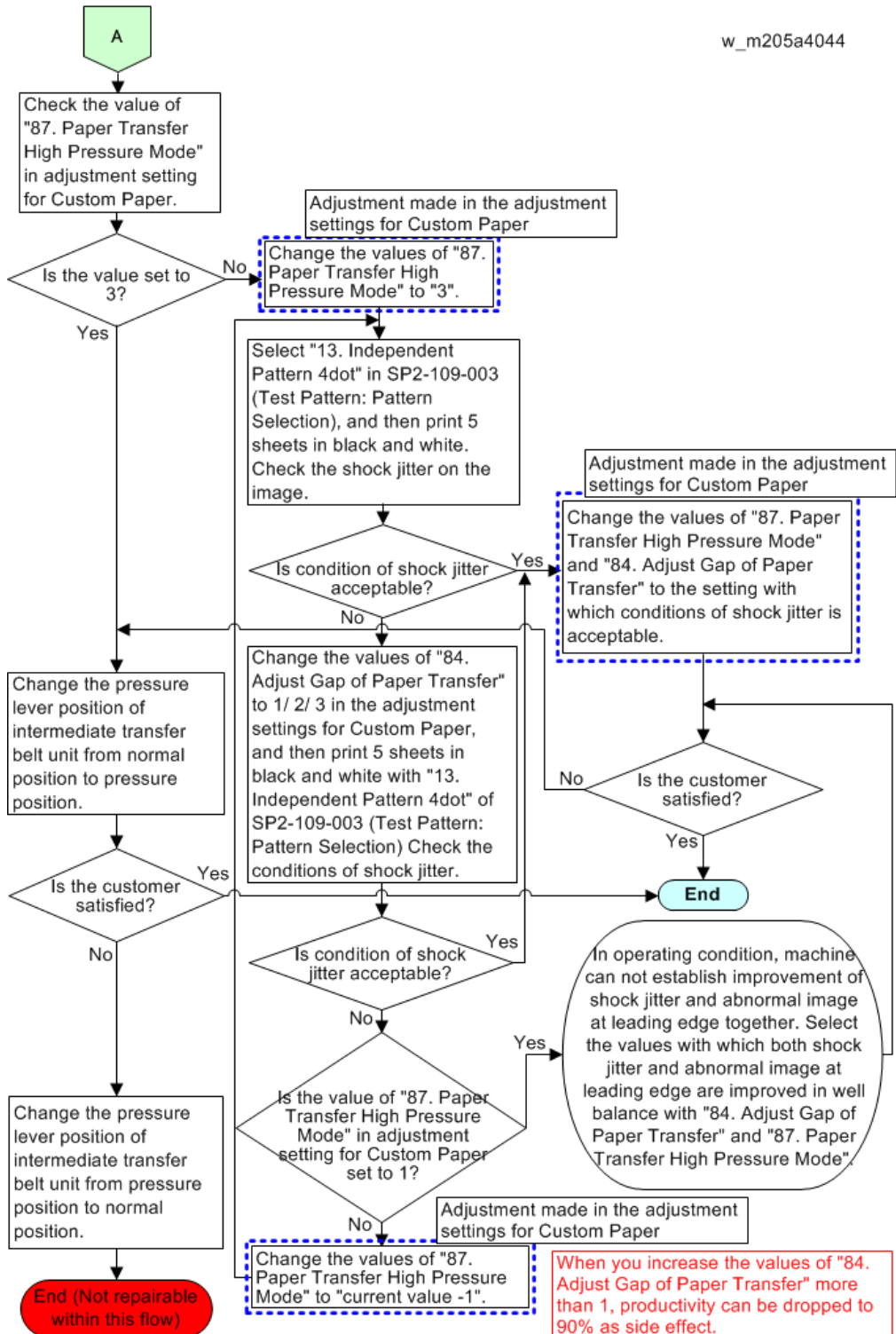
The above problems are likely to occur under the following conditions:

- Low temperature and low humidity environment
- Printing on thick paper
- Printing on coated paper

Action



w_m205a4044



Changing position of pressure lever in intermediate transfer belt unit

1. Open the front left door [A] and front right door [B] of the imaging section.



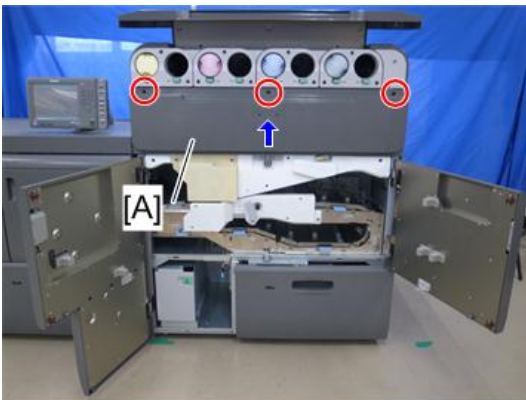
m205a2271

2. Open the toner supply unit cover [A].



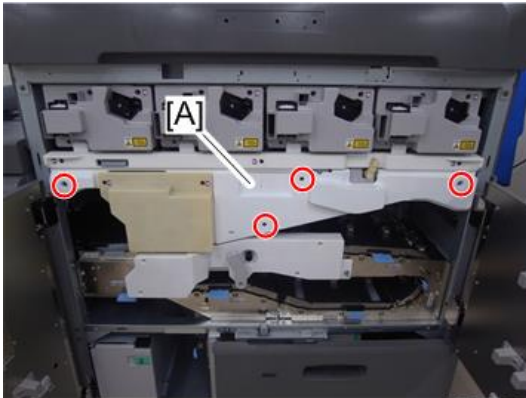
m205a1183

3. Lift the upper front cover [A] and remove it. (⚙️ x3)



m205a1184

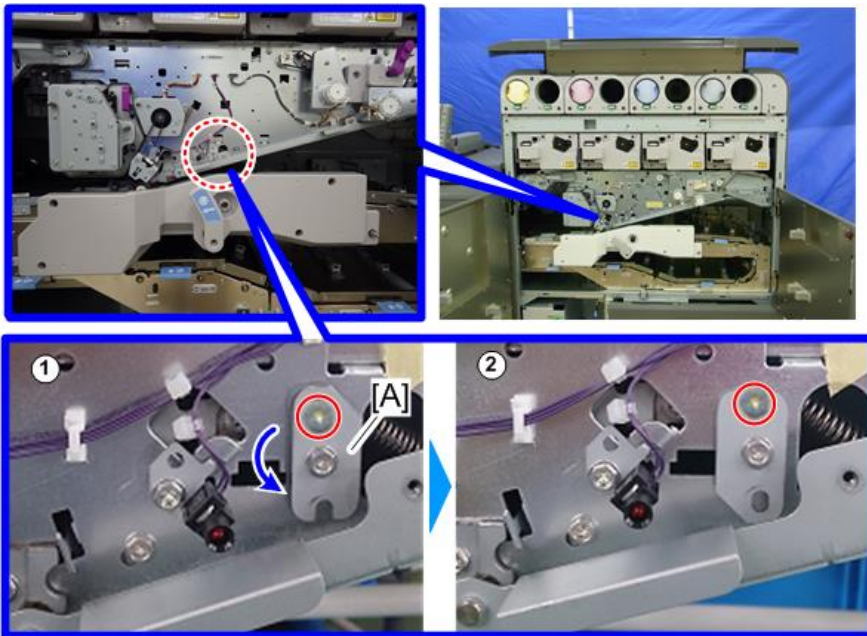
4. Remove the inner cover [A] of ITB unit. (⚙️×4)



m205a0095

5. Change the pressure lever position from normal position to pressure position.

1. Remove the shoulder screw of pressure lever [A], and then rotate it counter-clockwise by 180 degrees. (⚙️×1)
2. Tighten the pressure lever with shoulder screw. (⚙️×1)

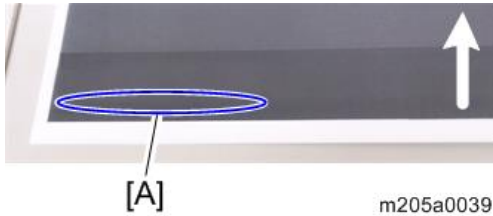


m205a0043

Toner scattered in the area 15mm from trailing edge

Symptom

Toner scattered occurred in the area 15mm from trailing edge at front side.



*The arrow indicates the paper feed direction

[A]: Where toner scattered occurred

Cause

The paper flicks the toner when the paper exits the paper transfer entrance guide. The toner image on intermediate transfer belt is scattered, and then toner scattered image appeared on outputs.

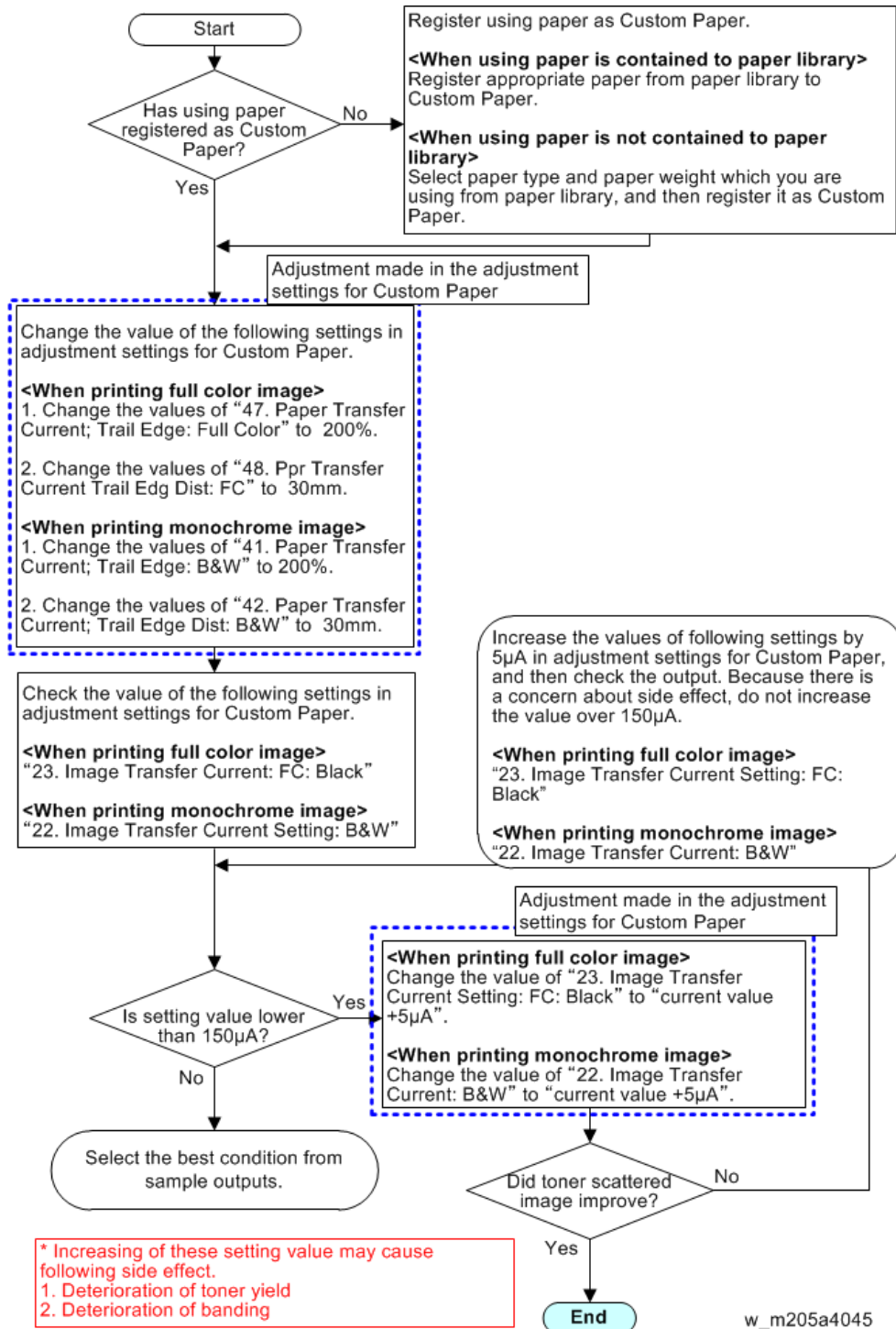
The paper transfer entrance guide is not parallel to transferred paper. The front side of the paper transfer entrance guide slightly sticks out when compared with rear side. So when the paper exits the paper transfer entrance guide, larger impact force is generated at the front side.

The toner scattered occurred within about 15mm which is the length between the leading edge of the paper transfer entrance guide and paper transfer roller.

Occurrence Conditions

- Printing the image which contains text and graphics in the area 8 to 13mm from trailing edge.
- Printing on the paper which paper weight is more than "Paper Weight 4 (105.1–163.0g/m²)"

Action

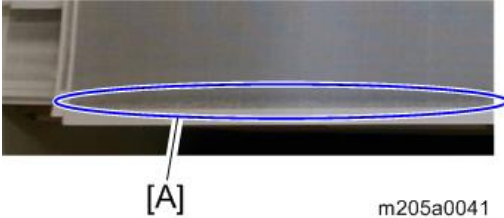


w_m205a4045

White zones, black streaks, scratches in the area 15mm from trailing edge

Symptom

White zones, black streaks, scratches appeared in the area 15mm from trailing edge.



[A]: Where white zones, black streaks, scratches appeared

Cause

The paper is pushed down with paper transfer bias roller after the trailing edge exits paper transfer entrance guide.

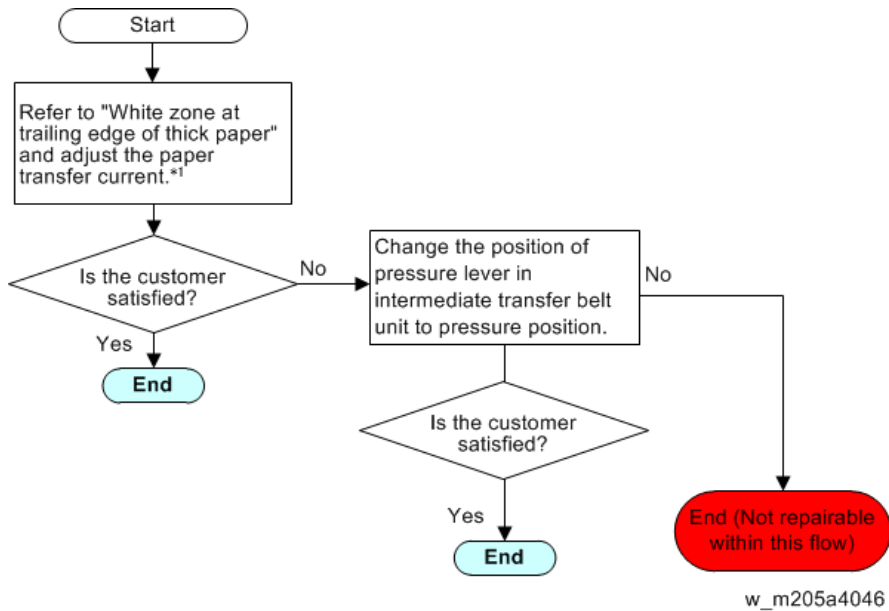
When the paper is pushed down with paper transfer bias roller after the trailing edge exits paper transfer entrance guide, the trailing edge is raised with strong stiffness of the paper. This makes a space between intermediate transfer belt and paper in 1 to 15mm from trailing edge, and then the electrical discharge occurs in the space. The electrical discharge leads toner scatters and white zones/black streaks/scratches appear.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Low temperature and low humidity environment
- Halftone image
- Printing on thick paper
- Printing on coated paper

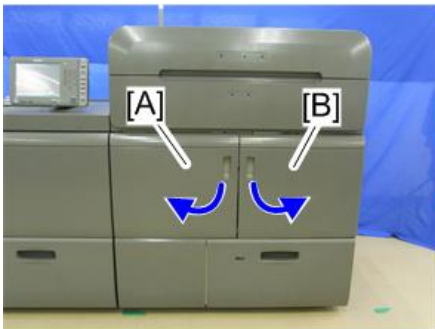
Action



* 1: See page 2271 "White zone at leading edge of thick paper".

Changing position of pressure lever in intermediate transfer belt unit

1. Open the front left door [A] and front right door [B] of the imaging section.



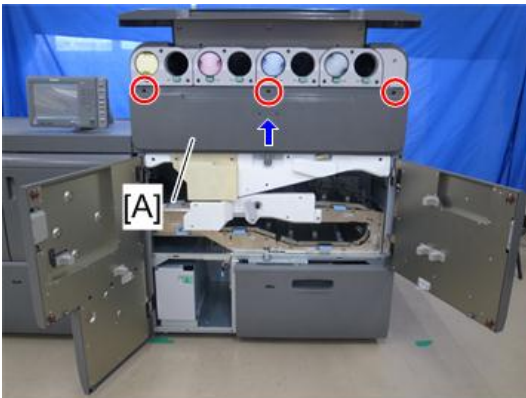
m205a2271

2. Open the toner supply unit cover [A].



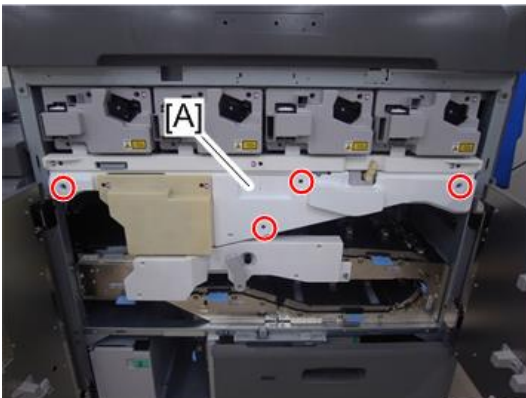
m205a1183

3. Lift the upper front cover [A] and remove it. (⚙️ x3)



m205a1184

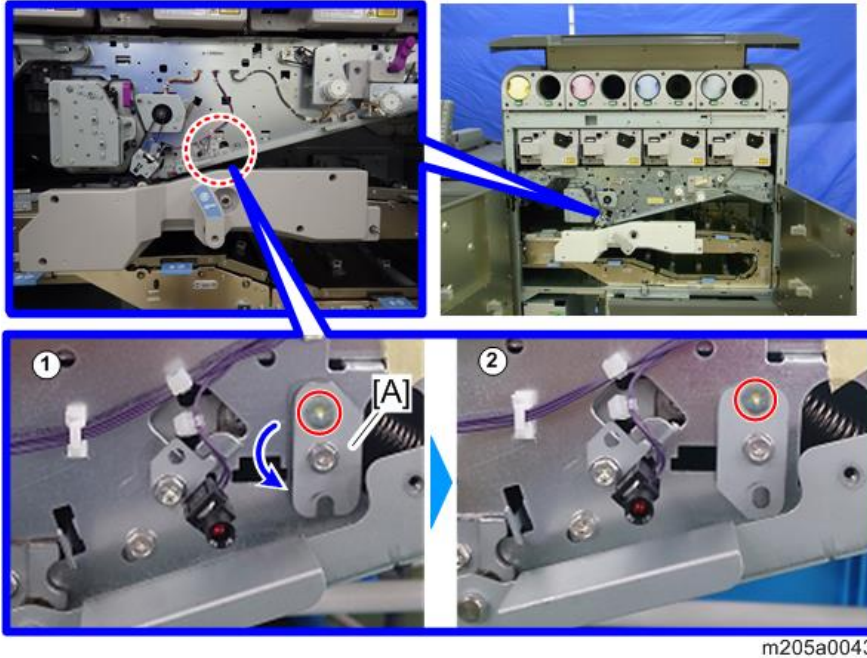
4. Remove the inner cover [A] of ITB unit. (⚙️ x4)



m205a0095

5. Change the pressure lever position from normal position to pressure position.

1. Remove the shoulder screw of pressure lever [A], and then rotate it counter-clockwise by 180 degrees. (⊖×1)
2. Tighten the pressure lever with shoulder screw. (⊕×1)



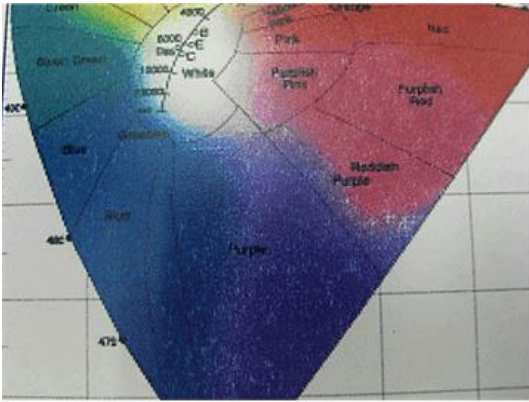
↓ Note

- When using the paper other than thick paper, rotate the pressure lever back to normal position.

Grainy images

Symptom

The image density is not uniform when the toner characteristics changes caused by the stress in agitation. The image density also cannot be uniform depending on the property of using paper.

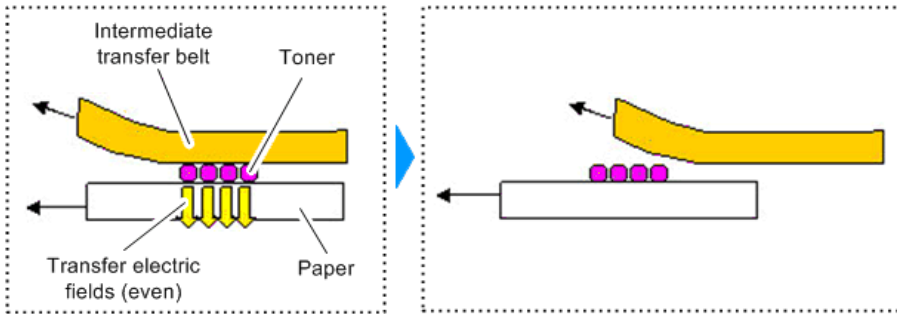


m205a0050

Cause

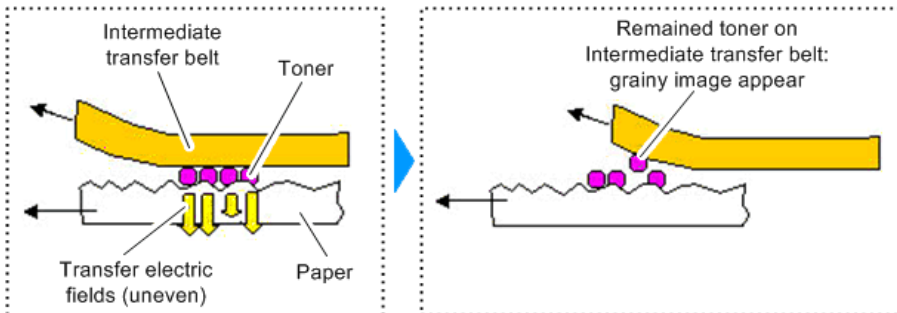
- Cause 1: Uneven transfer electric fields caused by smoothness and resistance of using paper
When using paper have low smoothness or small resistance, grainy image appear.

When using a paper which has high smoothness



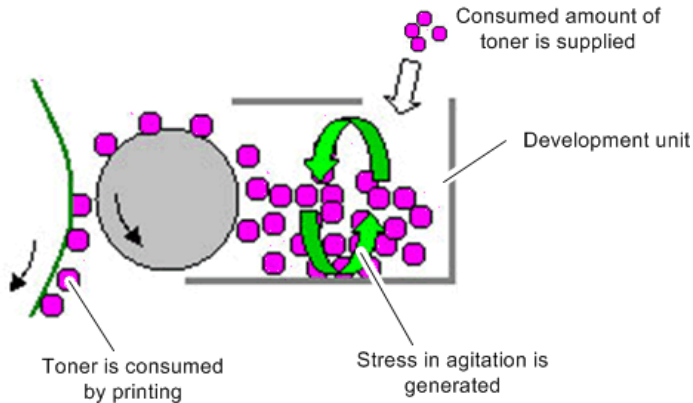
w_m205a4052

When using a paper which has low smoothnes and small resistance



w_m205a4053

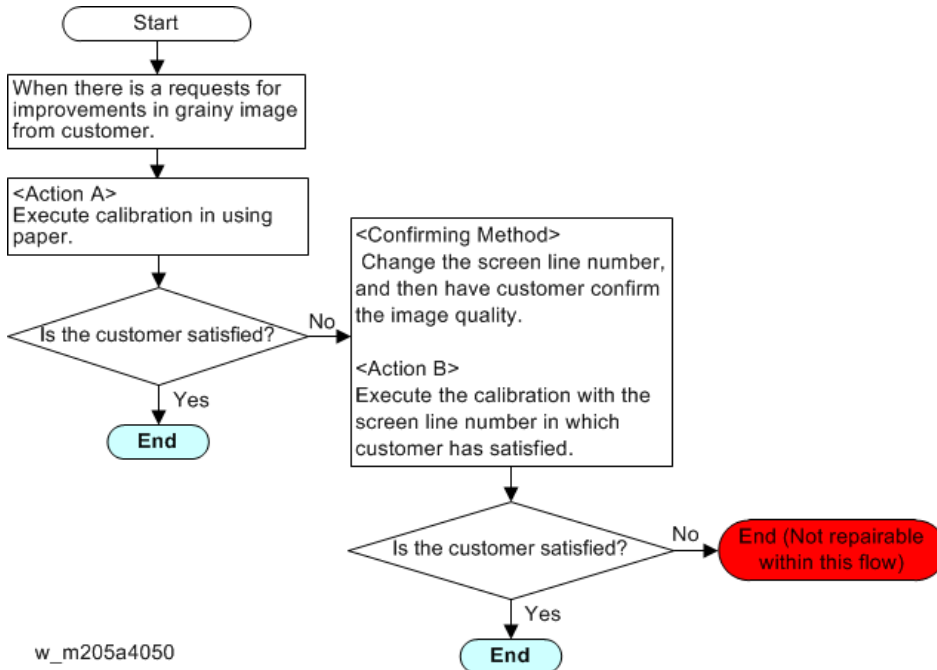
- Cause 2: Changes in toner characteristics caused by the stress in agitation.
When the low coverage printing has been performed continuously, toner density gets worse.



w_m205a4054

Action for each cause

Cause	Action		Side effects
Cause 1	Action A	Execute calibration in using paper.	None
Cause 1/2	Action B	Specify screen line number, or specify lower screen line number.	Image resolution become lower.
	Action C	Increase the amount of waste toner when executing toner refresh.	When the average of printing coverage is lower than 4%, toner yield deteriorates.
	Action D	Execute toner refresh manually. (temporary solution)	The toner yield deteriorates since large amount of toner is replaced. Image density is improved for a while after the execution of manual toner refresh. But, if low coverage printing is performed continuously, grainy image may appear again.

Action A/Action B (Using Fiery Controller)**About calibration executed by Command WorkStation**

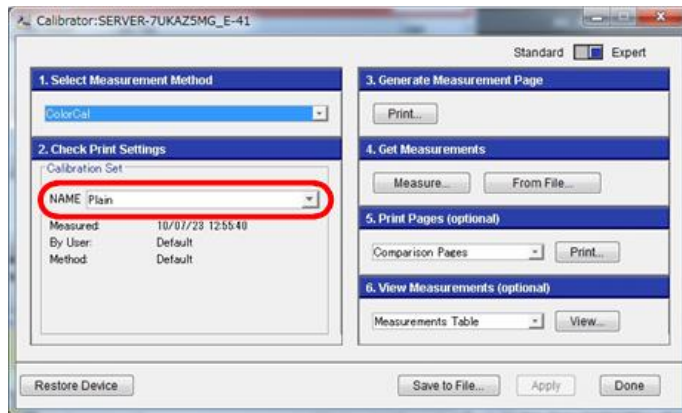
The machine detects gradation pattern created on paper transfer belt to know the engine status. Then perform gradation correction corresponding to the engine status. This process is called calibration. The calibration results reflect to the output profile in printer driver.

Calibration setting specified in [Calibrate] screen on CommandWorkStation is associated with output profile in printer driver as the table below.

Calibration settings	Output profiles
Plain	Plain
Coated-Glossy	Coated-Glossy
Coated-Matte	Coated-Matte

For examples, if you calibrate "Plain", the calibration result reflect to output profile "Plain" which associate with calibration settings "Plain". In this case, the calibration result does not reflect to output profile "Coated-Glossy" and "Coated-Matte". If you want to select "Coated-Glossy" as output profile, you need to select "Coated-Glossy" in calibration setting and execute calibration.

[Calibrate] screen on CommandWorkStation



m205a4094

You can confirm output profiles and their associated calibration settings in [Device Center] > [Resources] > [Profiles] > [Output Profiles].

[Output Profiles] screen on CommandWorkStation

Output Profiles			
Description	Calibration	Media type	
Fiery Pro C9100-C9110 Plain NOTFINAL	Plain	Any Uncoated Media	
Fiery Pro C9100-C9110 Coated-Glossy ...	Coated-Glossy	Coated-Glossy	
Fiery Pro C9100-C9110 Coated-Matte N...	Coated-Matte	Coated-Matte	

m205a4095

For examples, when you want to calibrate and print the image with gloss paper, follow the procedures below.

1. Select "Coated-Glossy" in [Calibrate Set] on [Calibrate] screen of CommandWorkStation.
2. When you print on CommandWorkStation, print the image on gloss paper.
3. When you print on printer driver, select "Coated-Glossy" as output profile, and then print the image on gloss paper.

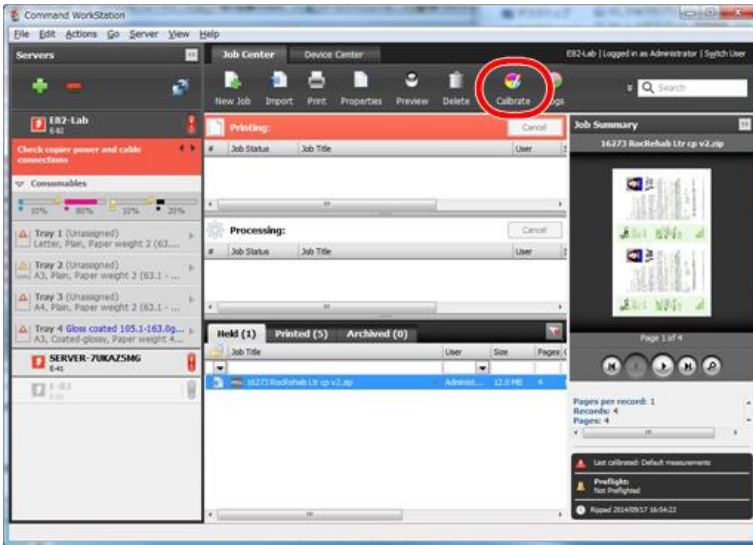
<Screen line number modification method>

The screen line number is a kind of scale for measuring the printing accuracy. Especially in the gradation area of the image, the printing accuracy is decided according to the screen line number (number of dots lined in 1 inch). When the number of screen lines is increased, dot size become smaller and detailed gradation expression can be performed. In the default settings of printer driver, screening method is set to 200 dots.

When changing the screen line number, we recommend to execute calibration for each screen line number. Executing calibration for each screen line numbers have good effects for improving image density since gradation correction is performed corresponds to the engine status.

When changing the screen line number, create a new calibration settings and output profile with procedures shown below.

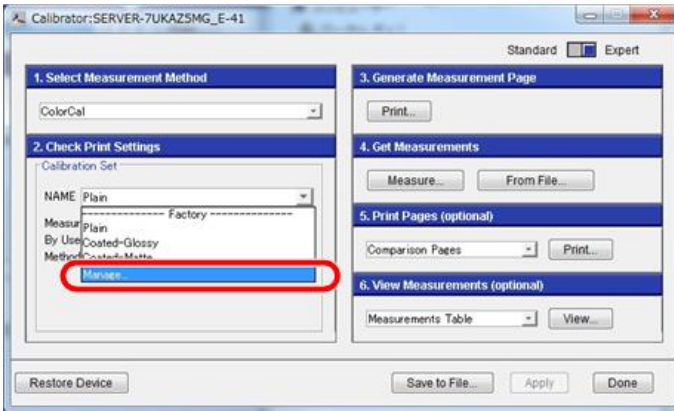
1. In CommandWorkStation, select [Calibrate] in [Job Center] to open the [Calibrate] screen.



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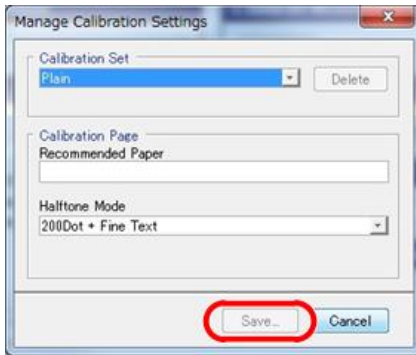
6

2. Select [Manage] from [NAME] in [Calibration Set].



m205a4096

3. Select paper type in [Calibration Set], and then select screen line number in [Halftone mode]. In [Recommended Paper], enter the required items (paper type, screen line number) and then press [Save].



m205a4097

4. Enter the paper type or screen line number in [Calibration set name]. In [Output Profile], select "Plain" or "Coated-Glossy" and then press [OK].

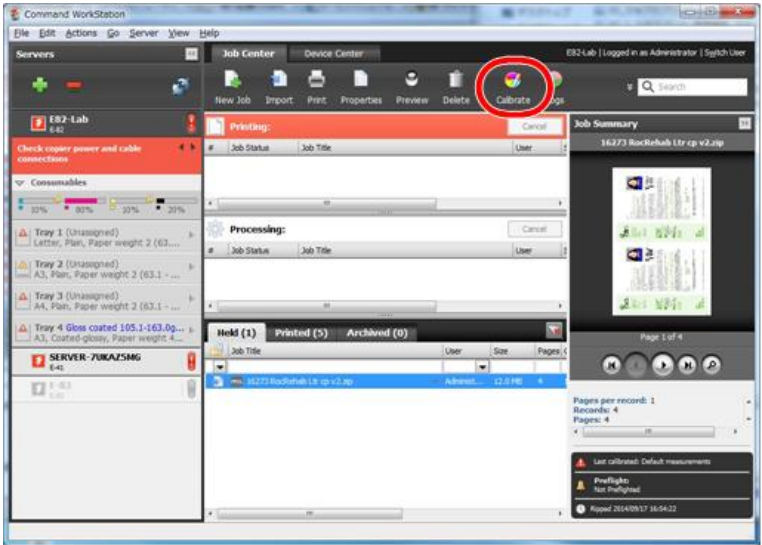


m205a4098

When you print the image, in [Color] > [Expert Settings] > [Output Profile] on printer driver, select the output profile which is created on Step 4. In [Image] > [Halftone mode] on printer driver, select the screen line number you selected in [Halftone mode] on Step 3, and then print the image.

<Action A>

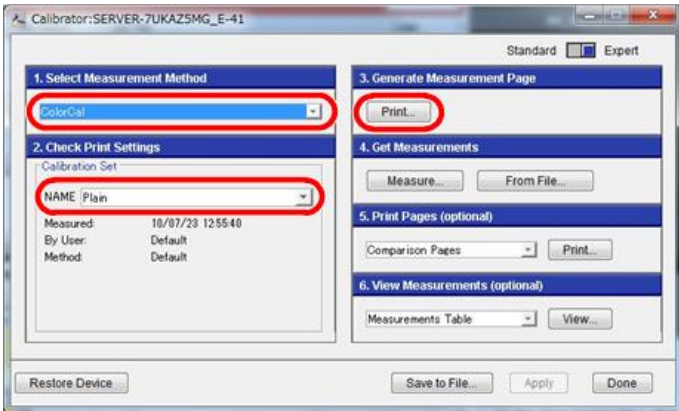
- Execute calibration
 1. In CommandWorkStation, select [Calibrate] in [Job Center] to open the [Calibrate] screen.



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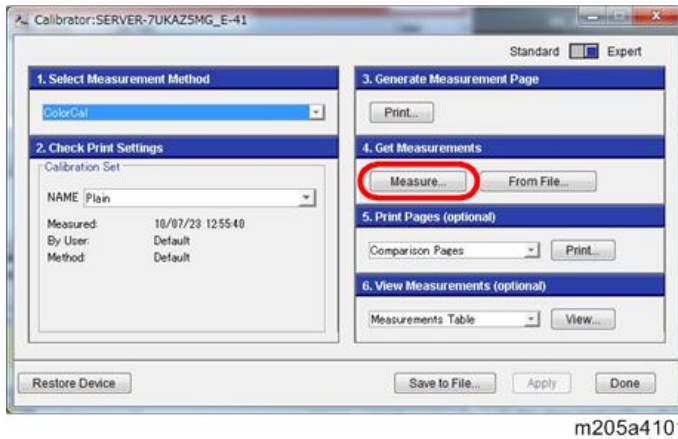
2. In [Calibrate] screen, select the measurement method, confirm the print setting, and then press [Print]. On the confirmation screen, press [Print] again.

6

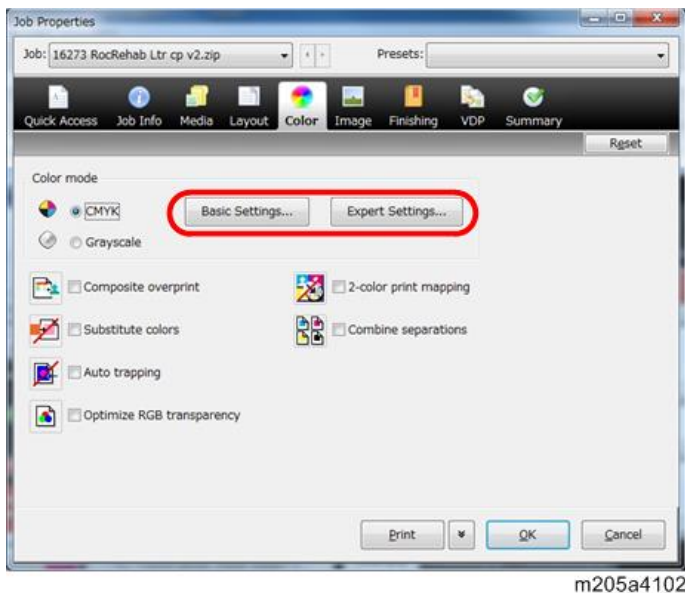


m205a4100

3. Press [Measure], and then measure the printed sample.

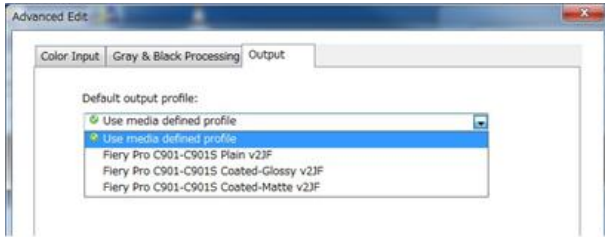


4. After the measurement is completed, press [Apply], and then press [Done].
- Configure the settings in printer driver
 1. Press [Properties] in printer driver.
 2. Select [Color] tab, and then select [Basic Settings] or [Expert Settings].



3. Select output profile in [Output] tab.



Select [Plain] when using plain paper, select [Coated-Glossy] when using glossy paper, and select [Coated-Matte] when using matted paper.



m205a4103

<Confirming Method>

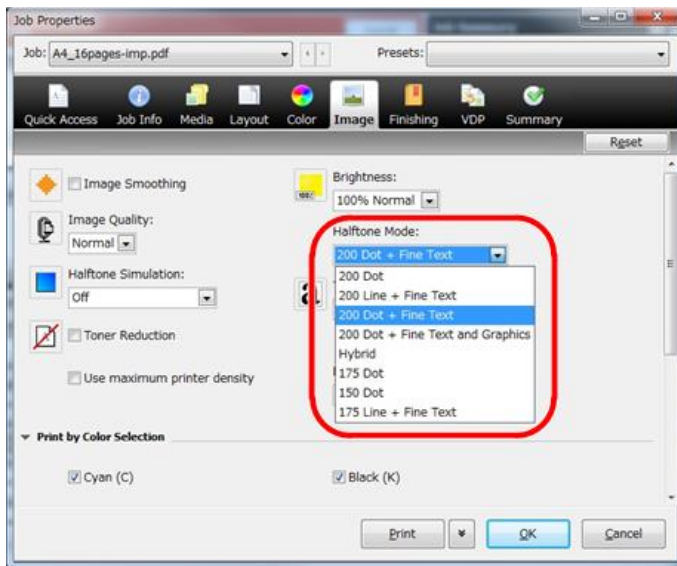
Refer to "Screen line number modification method" for details about changing the screen line number. The grainy image is improved by decreasing screen line number. On the other hand, smoothness of the image gets worse.

Grainy image	Screen line number	Smoothness of the image
Improved  Worse	150 dot	Worse  Better
	175 line	
	175 dot	
	200 line	
	200 dot	

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<Action B>

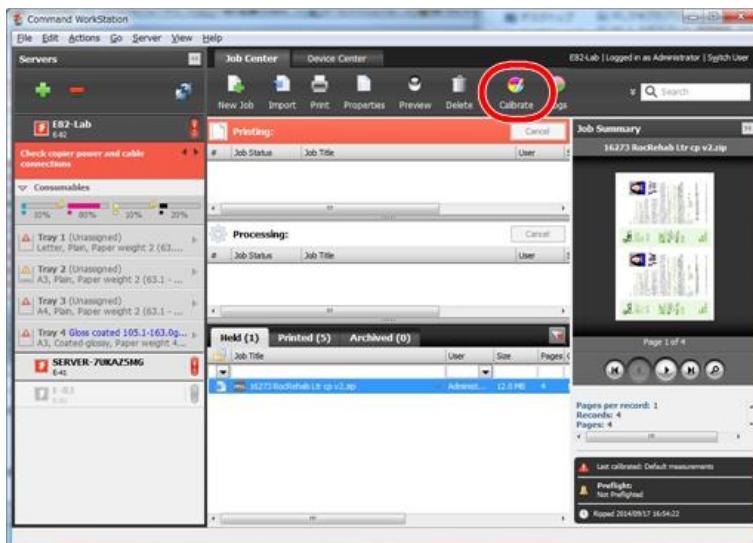
1. Press [Properties] in printer driver.
2. Select [Image] tab. Select the screen line number for image in [Halftone mode], and then print the image.



m205a4104

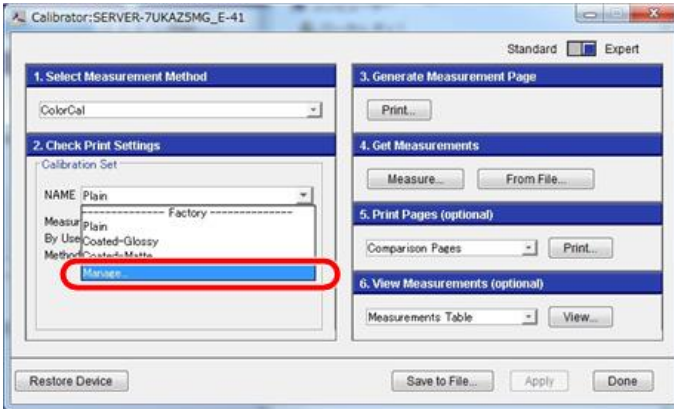
Since image density is most improved in 150 lines, confirm from the small screen line number.

3. Confirm the customer whether the roughness of the image is acceptable.
4. In CommandWorkStation, select [Calibrate] in [Job Center] to open the [Calibrate] screen.



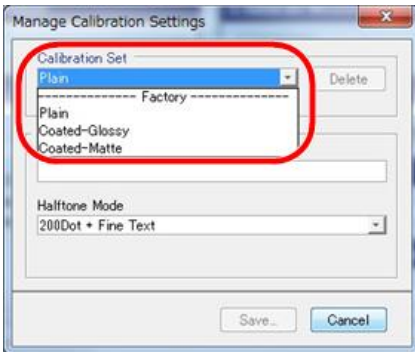
m205a4099

5. Select [Manage] from [NAME] in [Calibration Set].



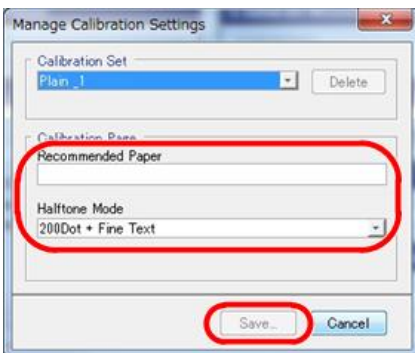
m205a4096

- In [Factory] of [Calibration Set], select the calibration setting which is similar to the paper type you want to use.



m205a4108

- Enter the required items (paper type, screen line number) in [Recommended Paper].
- In [Halftone mode], select the screen line number customer has satisfied in step 4.
- Settings displayed in [Calibration Set] is changed automatically, but ignore it and select [Save].



m205a4105

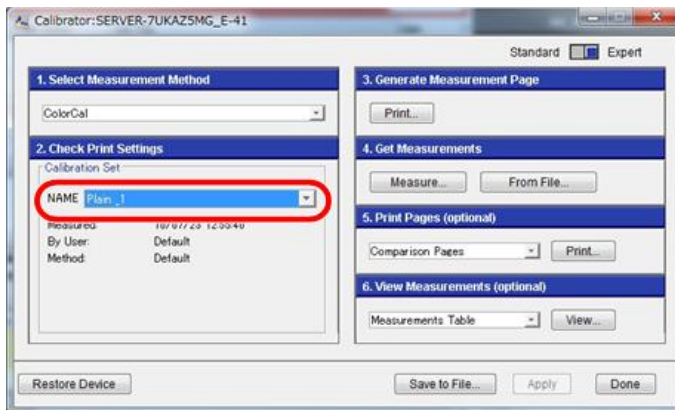
- In [Calibration set name], enter the same name you entered in Step 7.

11. Confirm that the paper type in [Output Profile] is same as the one you selected in Step6, and then press [OK].



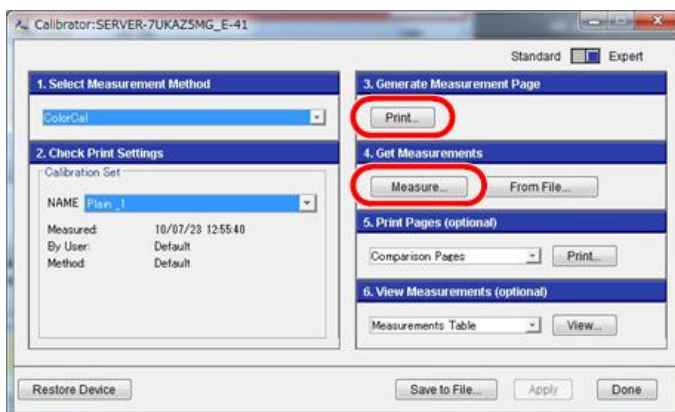
m205a4098

12. Confirm that [NAME] of [Calibration Set] in [Calibrate] screen is same as the one you created in Step 10 and 11.



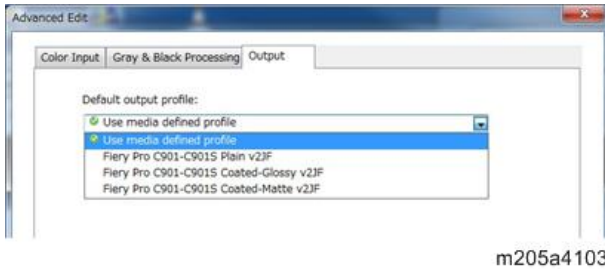
m205a4106

13. Press [Print] in [Calibrate] screen and print with the paper type which you want to use.
14. Press [Measure], and then measure the printed sample.



m205a4107

15. After the measurement is completed, press [Apply], and then press [Done].
16. Refer to “Configure the settings in printer driver” in <Action A> and select the output profile in printer driver. (Select the output profile calibrated in CommandWorkstaion)



17. When you print the image, in [Halftone mode] under [Image] tab, select screen line number customer has satisfied in step 3.
18. Pirnt the image.

Action C

Change the value in SP3-820-001 to 004 (Tnr Refresh Mode: Img Area Thresh) to the “Setting Value” in the table below.

SP No.	Name	Default Value	Setting Value
SP3-820-001	Tnr Refresh Mode: Img Area Thresh: K	2.5 (%)	4.0 (%)
SP3-820-002	Tnr Refresh Mode: Img Area Thresh: C	2.5 (%)	4.0 (%)
SP3-820-003	Tnr Refresh Mode: Img Area Thresh: M	2.5 (%)	4.0 (%)
SP3-820-004	Tnr Refresh Mode: Img Area Thresh: Y	2.5 (%)	4.0 (%)

* When the average of printing coverage is lower than 4%, toner yield deteriorates as a side effect.

Action D

Execute SP3-062-001 to 006 (Manual Tnr Ref:Exe).

SP No.	Name
SP3-062-001	Manual Tnr Ref:Exe: All
SP3-062-002	Manual Tnr Ref:Exe: Col
SP3-062-003	Manual Tnr Ref:Exe: K
SP3-062-004	Manual Tnr Ref:Exe: C

SP No.	Name
SP3-062-005	Manual Tnr Ref:Exe: M
SP3-062-006	Manual Tnr Ref:Exe: Y

When you execute SP3-062-001 to 006, the toner yield deteriorates since large amount of toner is replaced. Image density will be improved for a while after the execution of manual toner refresh. But, if low coverage printing is performed continuously, grany image may appear again. Therefore, we recommend to carries out "Action C" after the execution of manual toner refresh in order to stabilize the toner status.

Image Quality 006: Irregularity

Overview

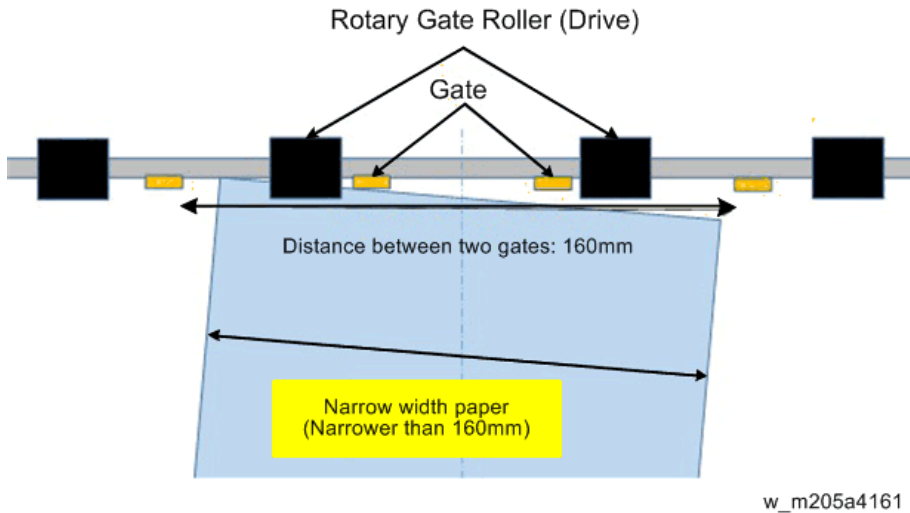
Image or text becoming irregular in comparison with the original.

Item	Description
Skewed image on small width paper	Skewed image is generated when using small width paper.

Skewed image on small width paper

Symptom

Skewed image is generated when using the small width paper.



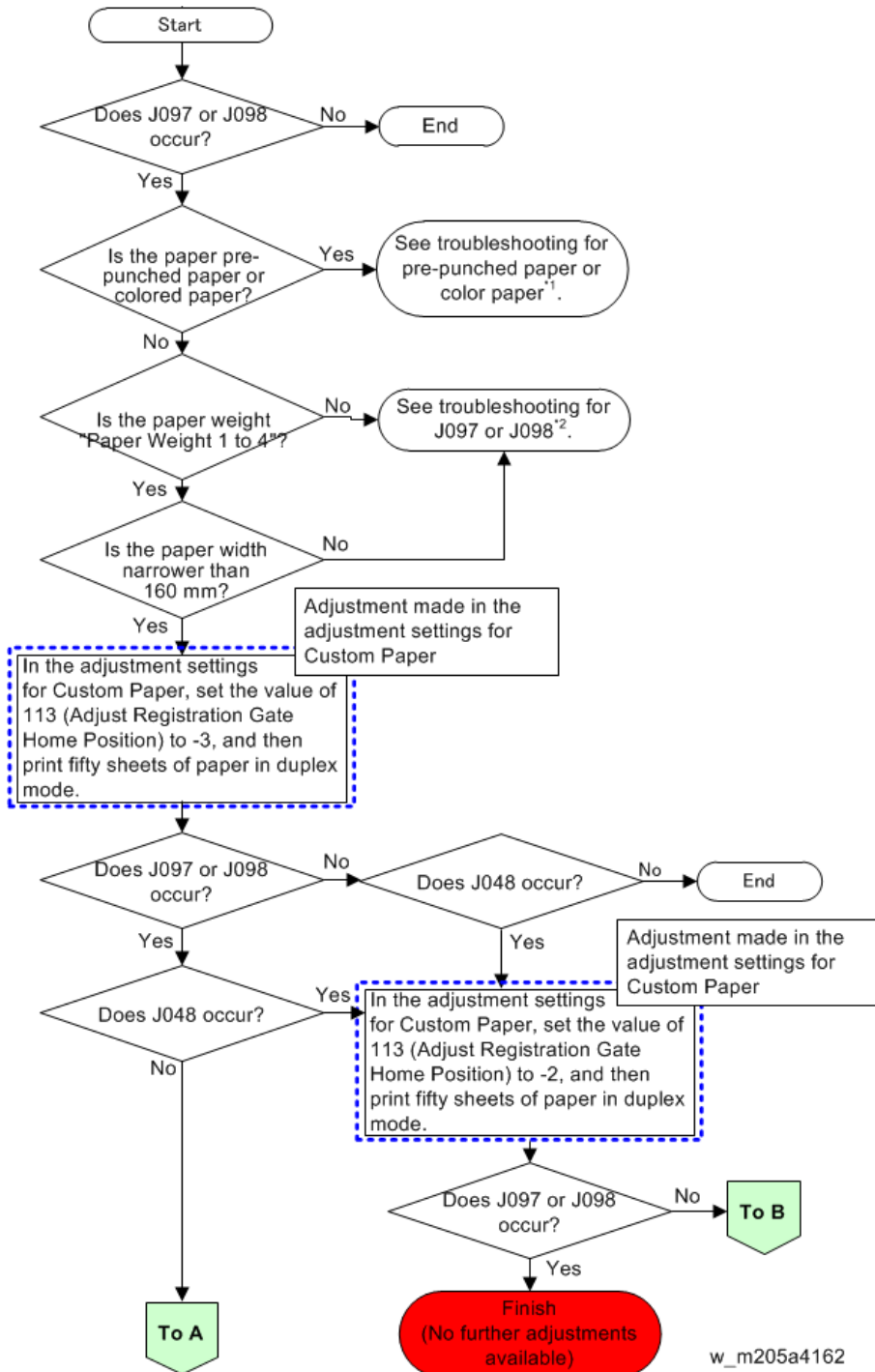
Cause

In the registration unit, paper skew is corrected by feeding the paper against the gates located between the rotary gate drive rollers. When the paper width is narrower than 160mm, the paper is fed against the two innermost gates. If the skew is large, the edge of the paper is nipped by the rotary gate roller before being fed against the gates. Therefore, the machine cannot correct the skew sufficiently. Then J097 (Over skew) or J098 (Over Shift) occurs.

Occurrence Conditions

- Printing on paper with a paper weight of "Paper Weight 1-4 (52.3–163.0g/m²)".
- Printing on A5 SEF, HLT SEF paper.

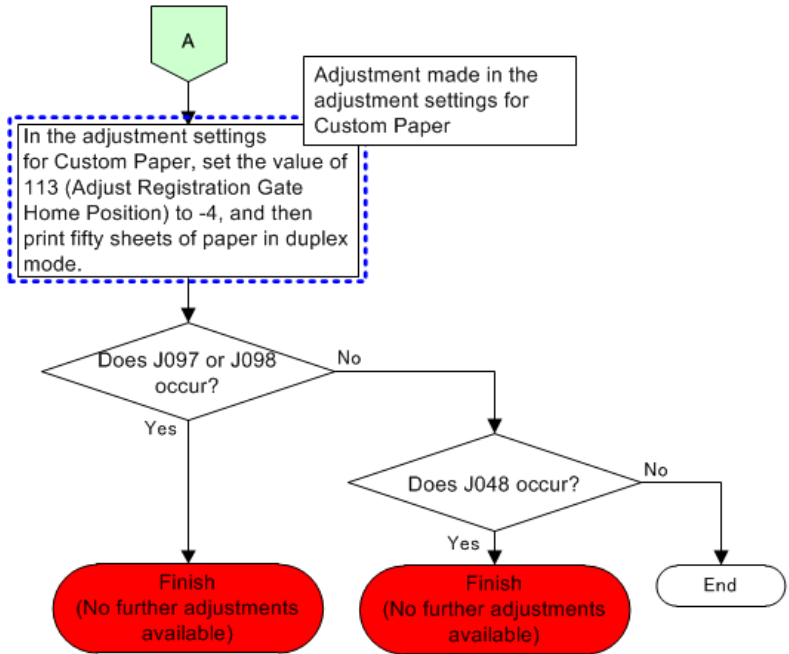
Action



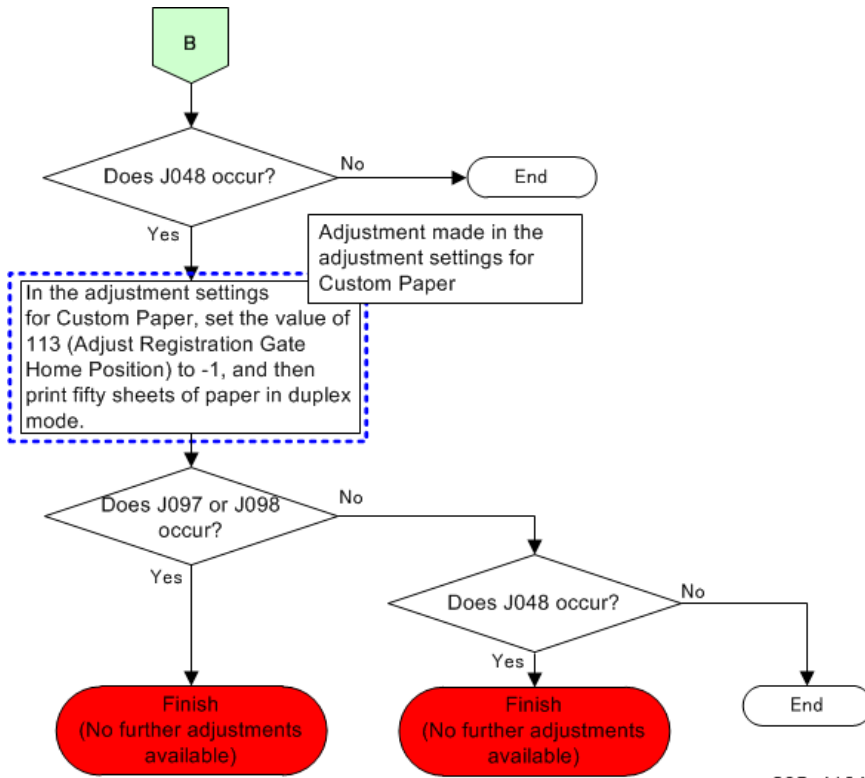
w_m205a4162

* 1: See page 2378 "Errors for pre-punched paper".

*2: See page 2435 "J098 occurs when printing on color paper or transparency".



w_m205a4163



w_m205a4164

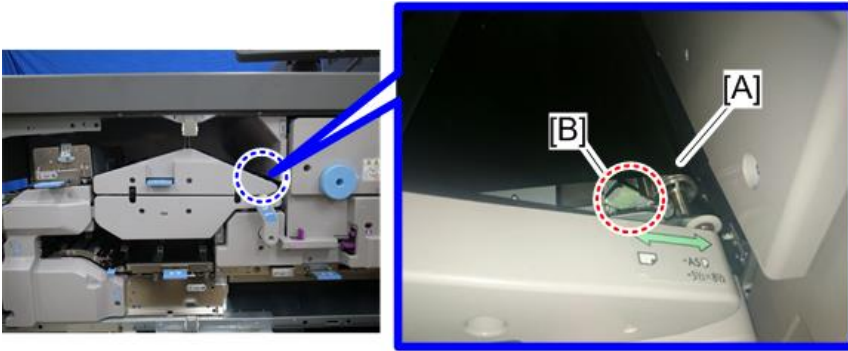
Paper Transport

Paper Transport 001: Plain Paper

Required operation when using A5 LEF/HLT LEF paper

Overview

- When using the following paper sizes, adjust the position of the entrance roller [A] at the paper cooling unit using the lever [B].
 - Fixed sizes: A5 LEF, HLT LEF
 - Custom sizes: Less than 164.0mm or over 139.7mm horizontally



m205a0287

- The entrance roller at the paper cooling unit can be moved 1 mm vertically.

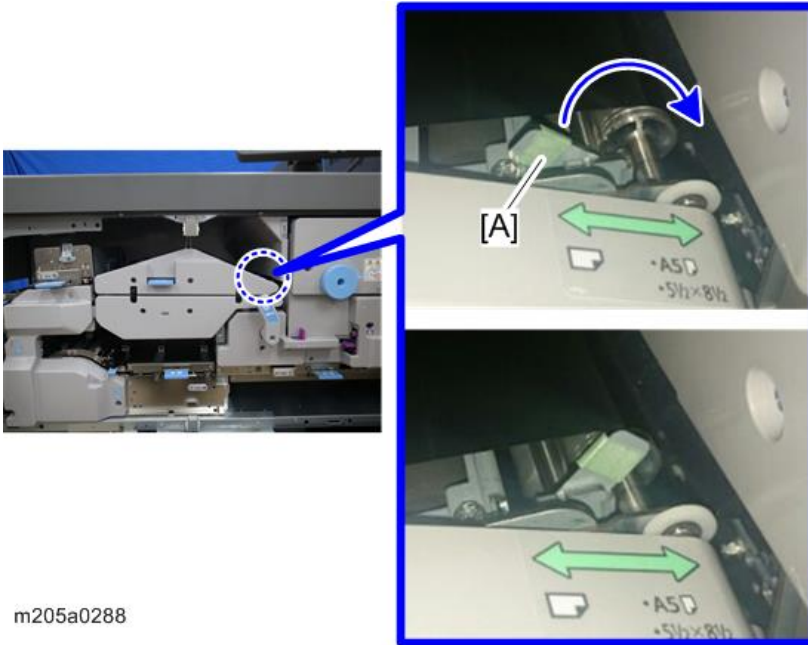
Operation

1. Open the left front door [A] and right front door [B] of the fusing section.



m205z5001

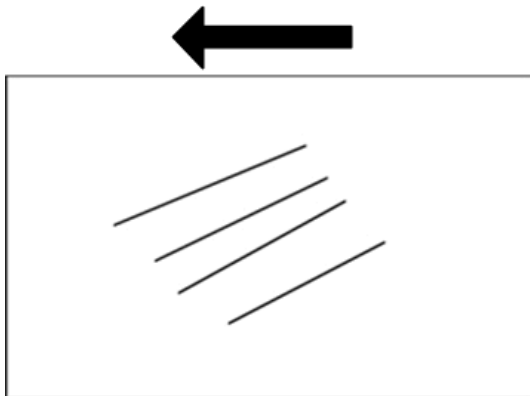
2. Rotate the lever [A] at the paper cooling unit clockwise.
The position of the entrance roller shifts to the lower position.



m205a0288

Side effect

Wrinkles as shown below can be generated diagonally across the page when printing with "Paper Weight 3" (105.0g/m²) while the entrance roller of the paper cooling unit is at the lower position. When diagonal wrinkles are generated, put the entrance roller back to the upper position.



m205a0289

The arrow indicates the paper feed direction.

Streaks when using Print Silk 130gsm paper

Symptom

Streaks appear in black halftone areas on the second side when printing on Print Silk 130gsm paper in full-color mode.

Action

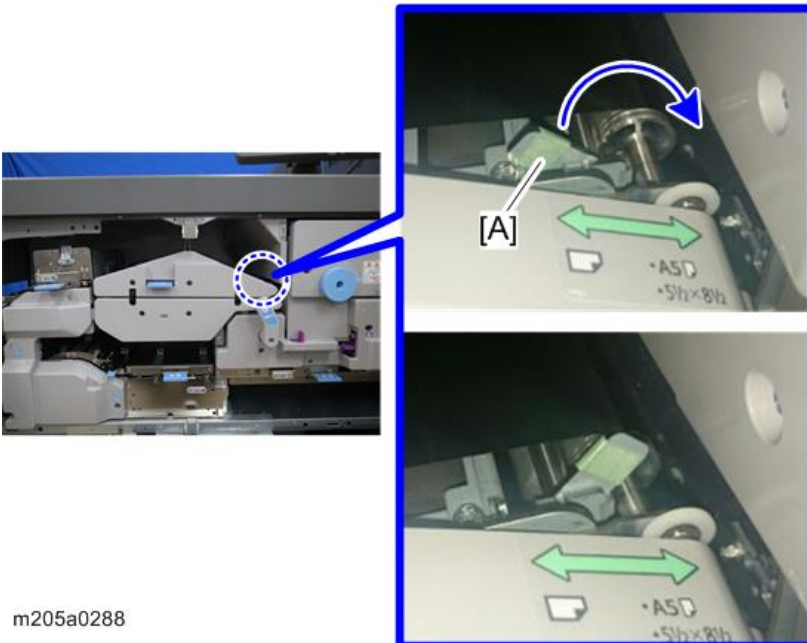
1. Open the left front door [A] and right front door [B] of the fusing section.



m205z5001

2. Rotate the lever [A] at the paper cooling unit clockwise.

The position of the entrance roller shifts to the lower position (the entrance roller lowers 1 mm). This brings the entrance roller into strong contact with the paper cooling belt.



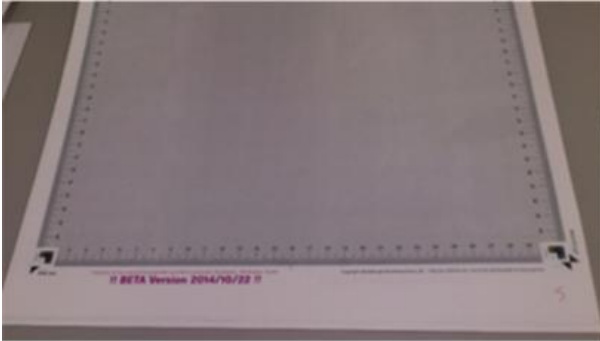
m205a0288

Note

- This is the same as the adjustment that is made by the user when feeding short paper (such as A5 LEF, HLT LEF).

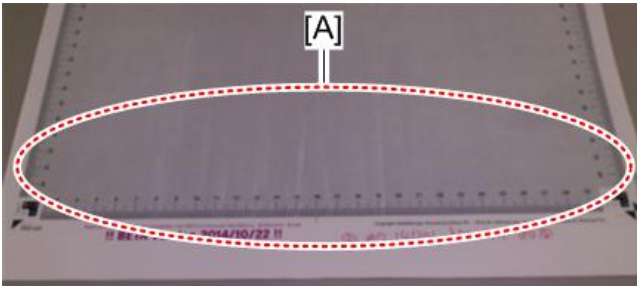
Effect

- The streaks on the second side of the paper disappear.



m205a0304

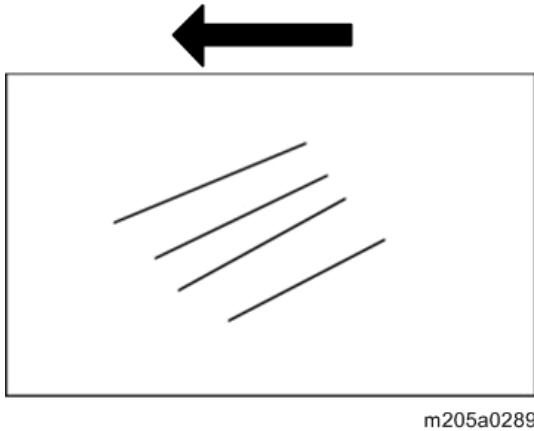
- The streaks [A] may appear at the trailing edge of the second side of the first printed sheet.



m205a0305

Side effect

Wrinkles as shown below can be generated diagonally across the page when printing with "Paper Weight 3" (105.0g/m²) while the entrance roller of the paper cooling unit is at the lower position. When diagonal wrinkles are generated, put the entrance roller back to the upper position.



The arrow indicates the paper feed direction.

Paper Transport 002: Special Paper

6

Configuring settings for using envelopes

Overview

This section describes necessary settings for using envelopes and how to load them into the paper tray.

1. Specifying paper size

Specify the paper length of envelopes including their flap sizes in [Paper Size] as custom paper size. If you do not specify the paper size correctly, J098 (Over Shift) occurs.

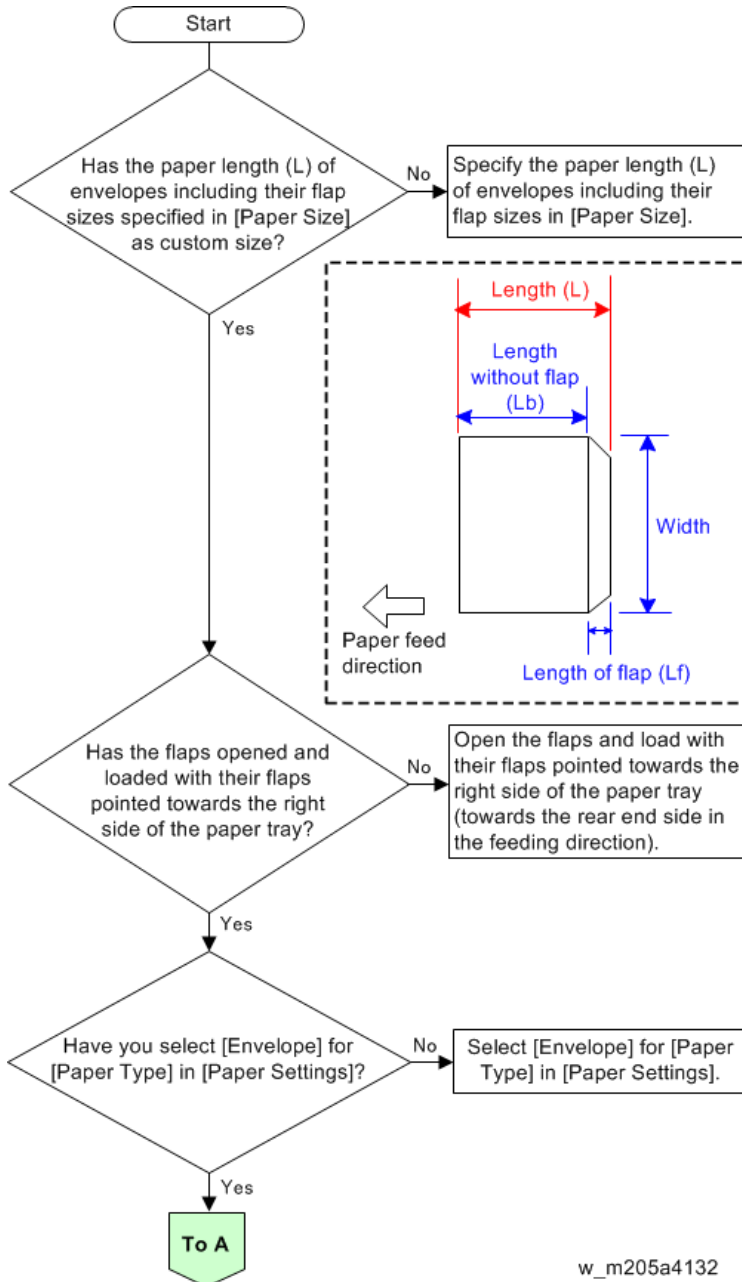
2. Loading envelopes into the paper tray

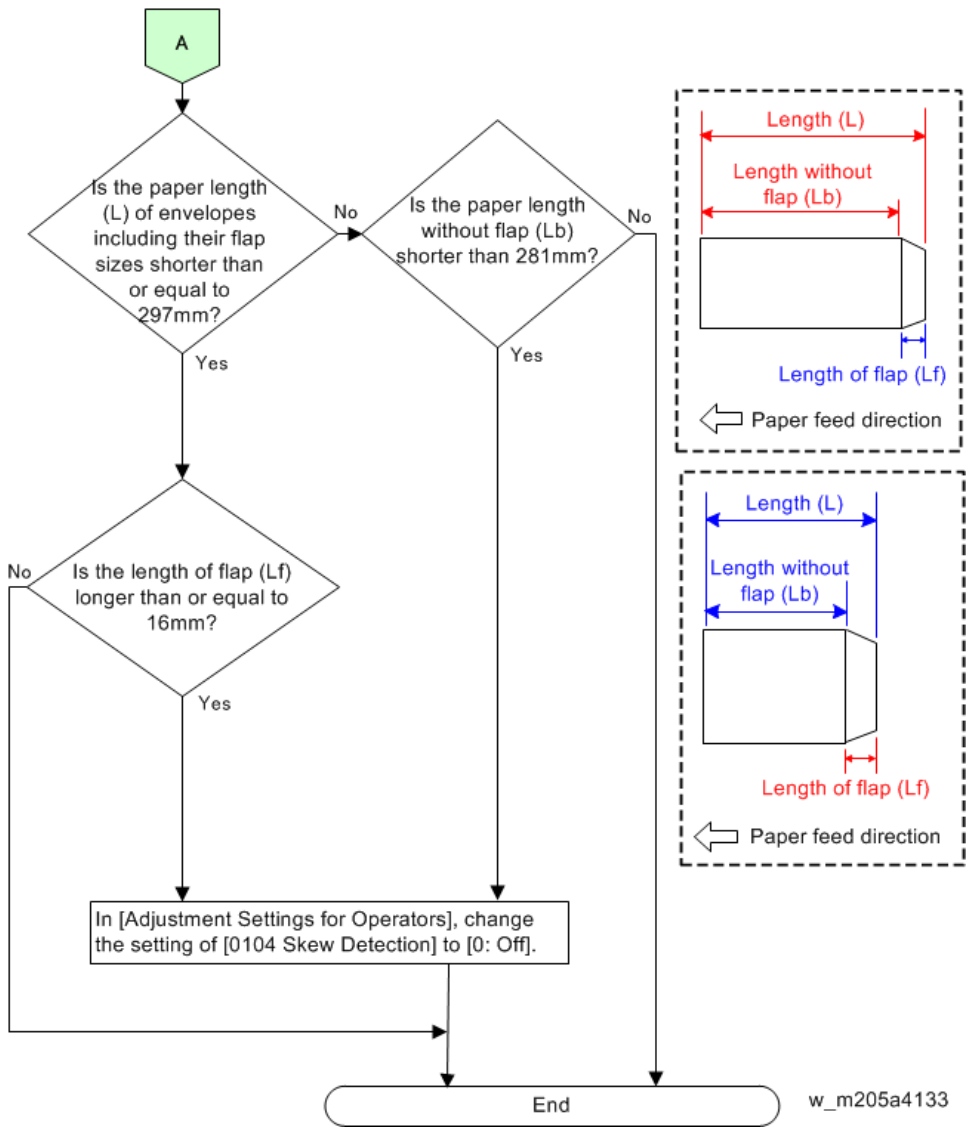
Open the flaps and load with their flaps pointed towards the right side of the paper tray (towards the rear end side in the feeding direction). If you do not load envelopes correctly, wrinkles or jams occur.

3. Print side

Only simplex printing (with print side face up) is available. If you print envelopes in duplex mode, jam occurs.

Configuration





w_m205a4133

Errors for pre-punched paper

Symptom

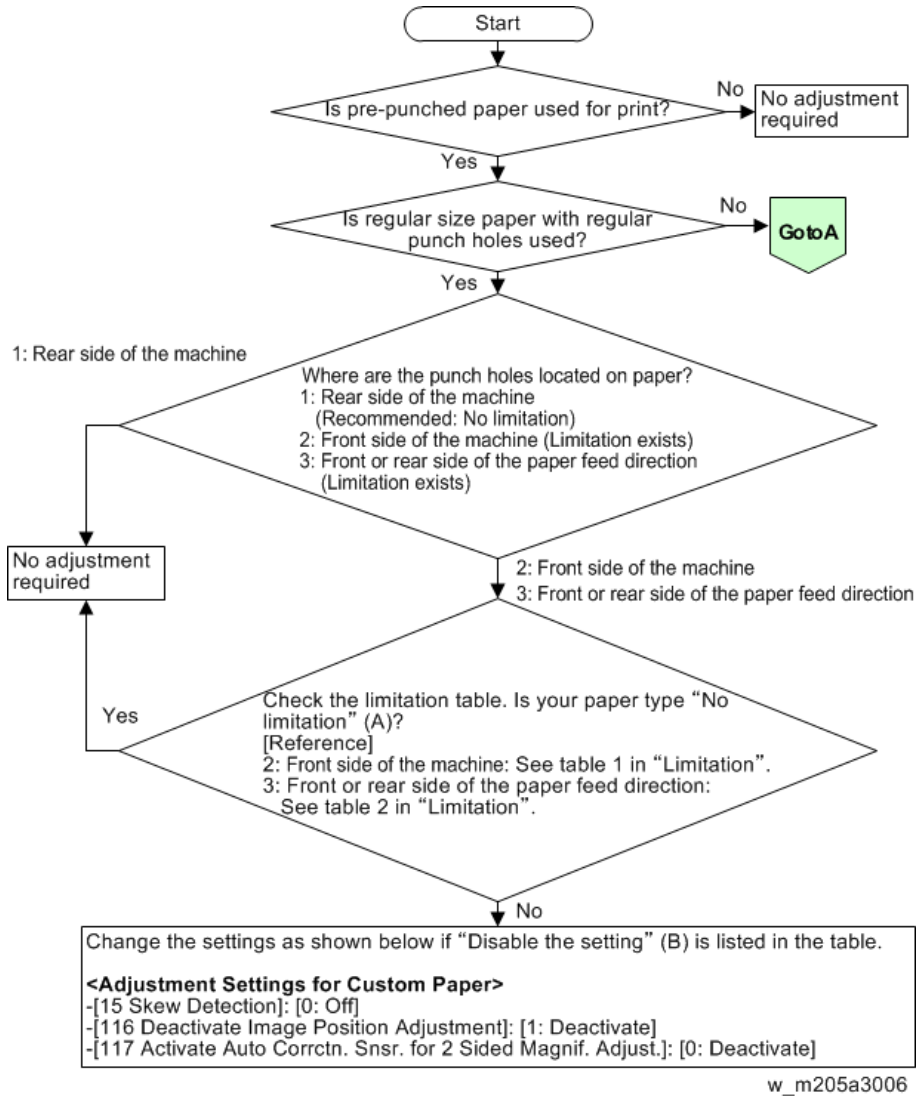
J098 (Over Shift), J097 (Over Skew) occurs for pre-punched paper.

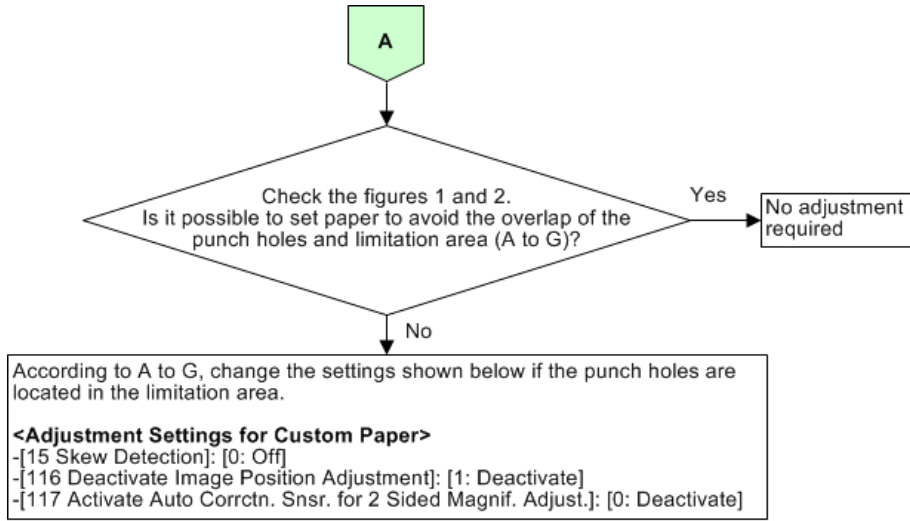
Cause

The CIS and Auto Media Size Feedback Sensor (T-ACT sensor) erroneously recognizes a punch hole as a paper edge.

Action

Set paper to avoid the overlap of the punch holes and limitation area described in this section. If paper cannot be set like that, check the limitation and change the machine settings.





w_m205a3007

Limitation for the regular paper sizes and punch holes

- If the punch holes are on the rear side of the machine, there is no limitation area.
- Table 1: If the punch holes are on the front side of the machine:

A: No limitation

B: Disable the setting

Paper size	Number of punch holes	Deactivate Image Position Adjustment	Skew Detection	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.
A5 LEF	2	A	A	A
B5 LEF	2	A	A	A
A5 SEF, A4LEF	2	A	A	A
B5 SEF	2	A	A	A
	4	B	A	B
A4 SEF	2	A	A	A
	4	A	B	B
B4	2	A	A	A
	4	A	A	A

Paper size	Number of punch holes	Deactivate Image Position Adjustment	Skew Detection	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.
A3	2	A	A	A
	4	A	A	A
SRA3	2	A	A	A
	4	A	A	A

- Table 2: If the punch holes are on the front or rear side of the paper feed direction:

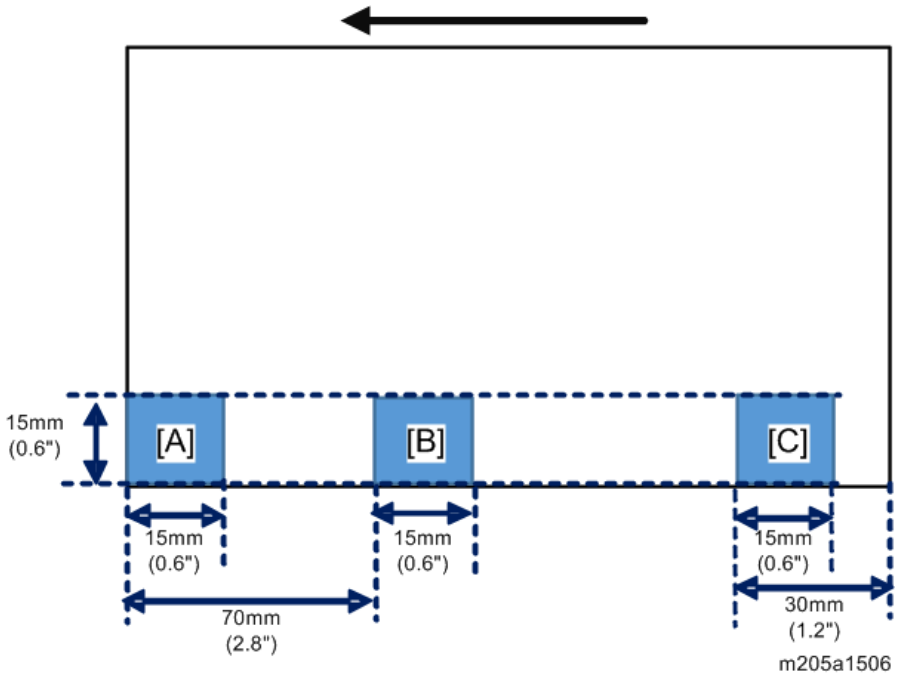
A: No limitation

B: Disable the setting

Paper size	Number of punch holes	Deactivate Image Position Adjustment	Skew Detection	Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.
A5 SEF	2	A	A	A
B5 SEF	2	A	A	A
A5 LEF, A4 SEF	2	A	A	A
B5 LEF, B4	2	A	A	A
	4	B	B	B
A4 LEF, A3	2	A	A	A
	4	A	A	A
SRA3	2	A	A	A
	4	A	A	A

Limitation for the custom paper sizes and non-standard punch holes

- Figure 1: If the paper length is shorter than A4 SEF (297mm):



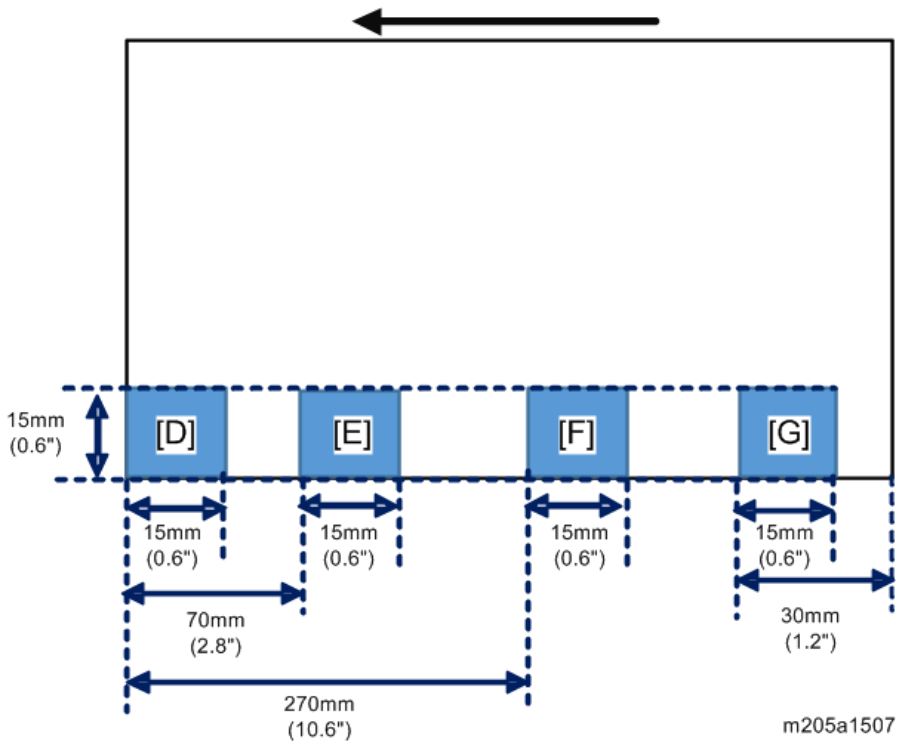
The arrow indicates the paper feed direction.

[A]: Deactivate Image Position Adjustment, Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust

[B]: Skew Detection

[C]: Skew Detection, Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.

- Figure 2: If the paper length is A4 SEF (297mm) or longer:



The arrow indicates the paper feed direction.

[D]: Deactivate Image Position Adjustment, Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust

[E]: Skew Detection

[F]: Skew Detection

[G]: Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.

Errors for pre-printed paper

Symptom

J098 (Over Shift), J097 (Over Skew) occurs for pre-printed paper.

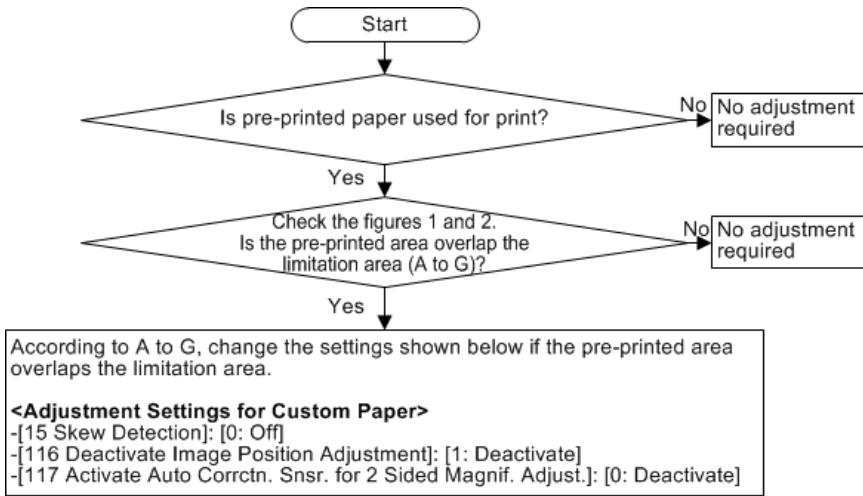
Cause

The CIS and Auto Media Size Feedback Sensor (T-ACT sensor) erroneously recognizes a pre-printed area as a paper edge.

Action

Set paper to avoid the overlap of the pre-printed area and limitation area described in this section. If paper cannot be set like that, check the limitation and change the machine settings, or print it as color paper.

- Changing the paper orientation or machine settings



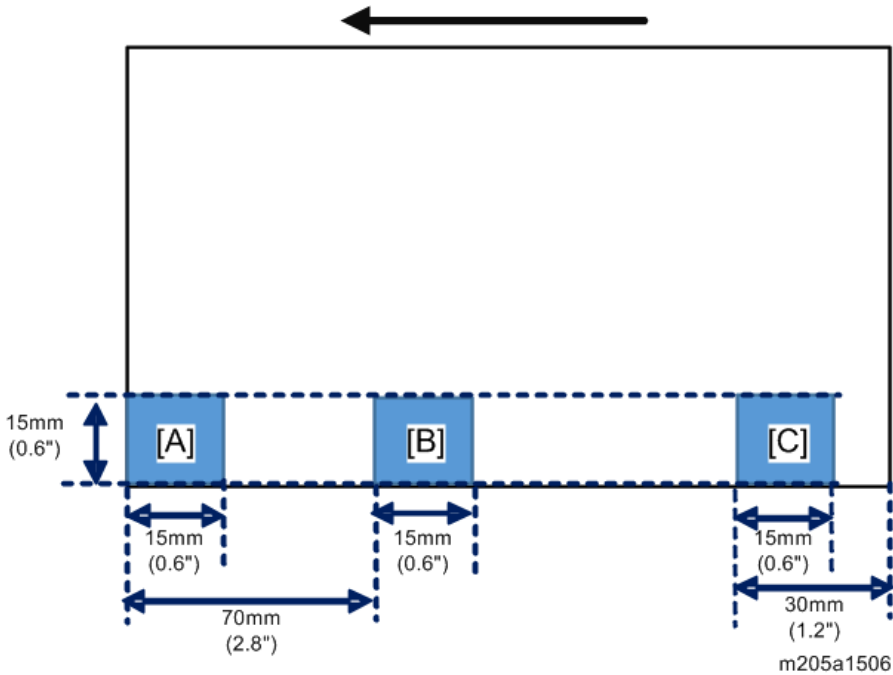
w_m205a3008

- Printing as color paper

If you cannot change the paper orientation or machine settings, the problem could be solved by the same procedure described in page 2435 "J098 occurs when printing on color paper or transparency".

Limitation

- Figure 1: If the paper length is shorter than A4 SEF (297mm):



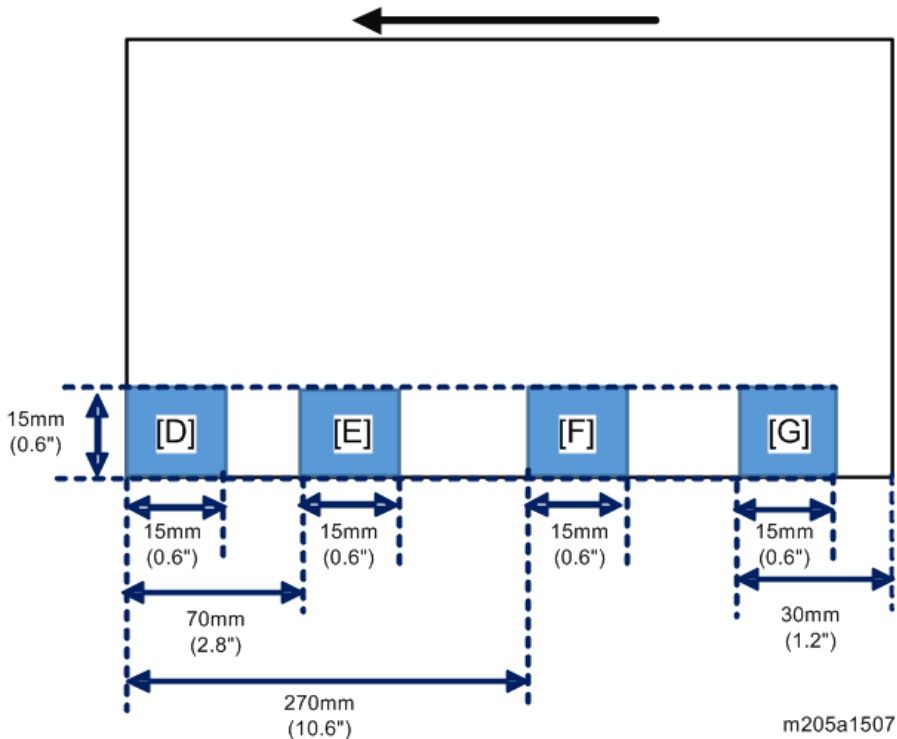
The arrow indicates the paper feed direction.

[A]: Deactivate Image Position Adjustment, Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust

[B]: Skew Detection

[C]: Skew Detection, Activate Auto Corrctn. Snsr. for 2 Sided Magnif.

- Figure 2: If the paper length is A4 SEF (297mm) or longer:



The arrow indicates the paper feed direction.

[D]: Deactivate Image Position Adjustment, Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust

[E]: Skew Detection

[F]: Skew Detection

[G]: Activate Auto Corrctn. Snsr. for 2 Sided Magnif. Adjust.

Problems Related to Peripheral Devices

Peripherals 001: Finisher SR5050/SR5060

Large paper not stacked properly

Cause

When using large-size or coated and paper-to-paper friction is very high, a sheet may push against another or paper deflection may occur.

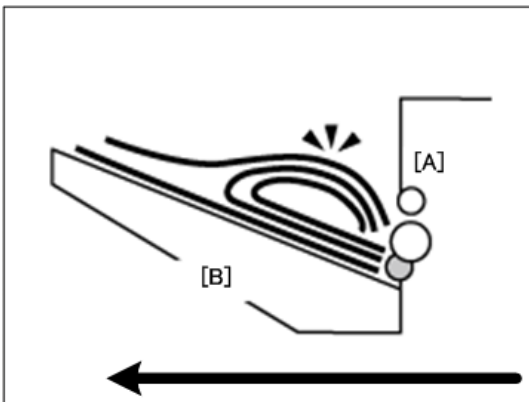
Occurrence Conditions

The above problems are likely to occur under the following conditions:

- B4 LEF, 8"x14" LEF, or larger size of paper is used.
- Paper that produces high paper-to-paper friction is used.
- The temperature or humidity is high.

<Sheet bending>

The leading edge of the delivered sheet bends upward and backward.

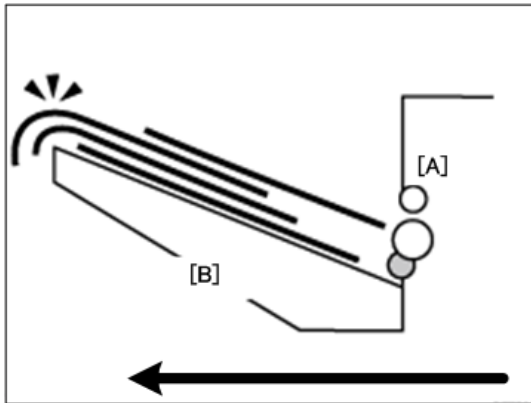


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[A]	Paper Exit
[B]	Output Tray

<One sheet pushing out another>

Because of high paper friction, the delivered sheet may get stuck and push out other sheets of paper.

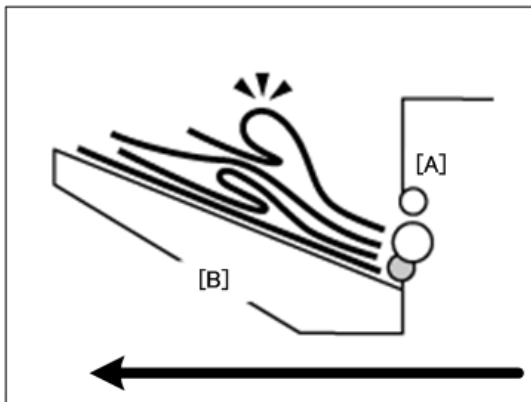


d1798113

[A]	Paper Exit
[B]	Output Tray

<Paper deflection>

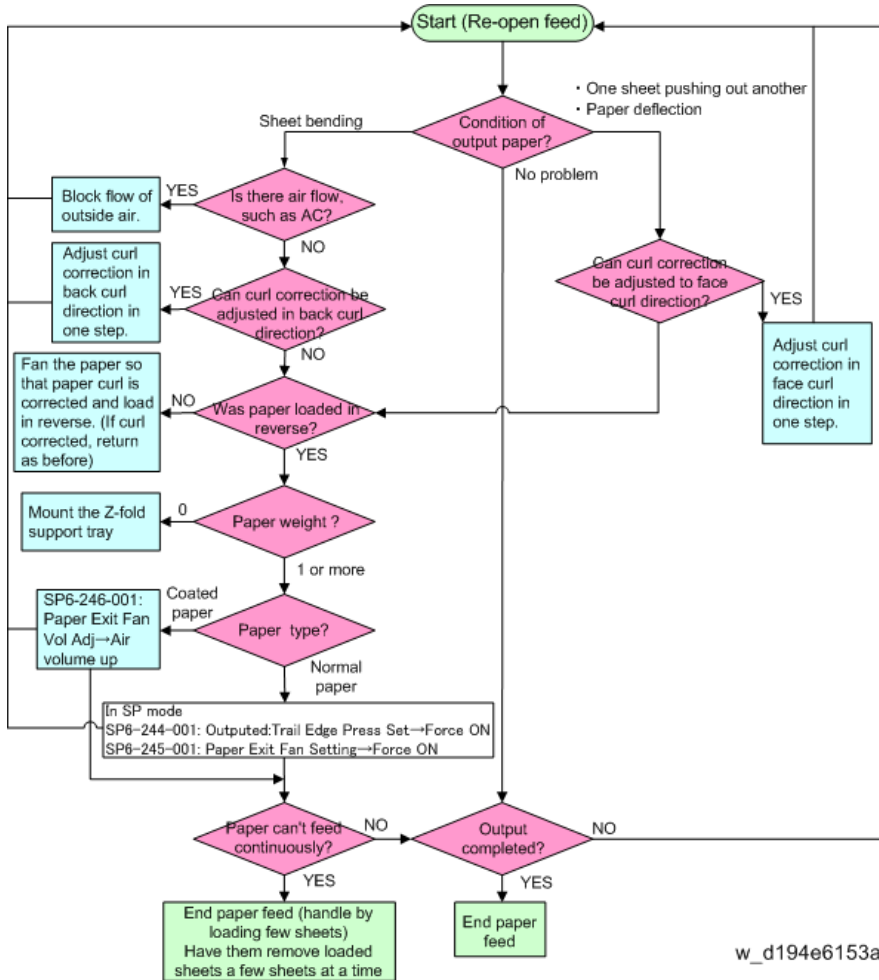
Because of high paper friction, the delivered sheet may arch up and become crimped.



d1798114

[A]	Paper Exit
[B]	Output Tray

Action



w_d194e6153a

Related SP

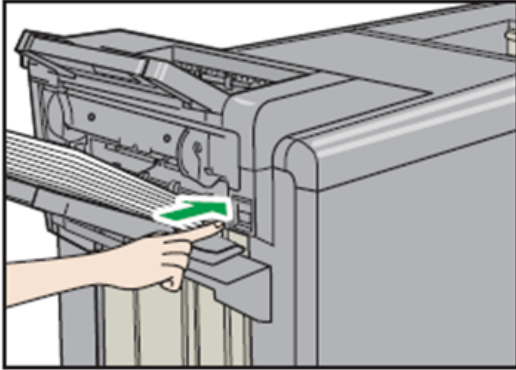
- SP6-244-001: Outputted: Trail Edge Press Set
- SP6-245-001: Paper Exit Fan Setting
- SP6-246-001: Paper Exit Fan Vol Adj
- SP1-906-001 to 12: De-curler Setting

Z-fold support tray Installation

Note

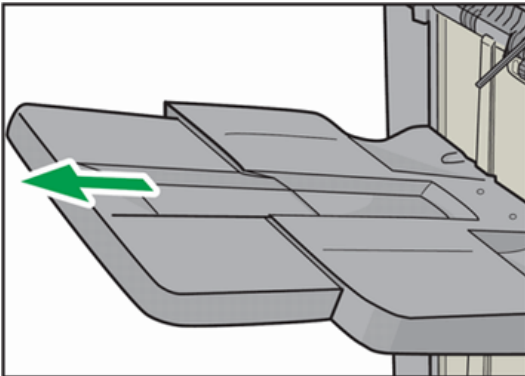
- If the Z-fold support tray for multi-folding unit is attached, the number of sheets that can be stacked is reduced.
- If the Z-fold support tray for multi-folding unit is attached, the range of misalignment of the last print may exceed 2 mm (0.08 inches) if the Shift Collate function is used.

1. Press the [Suspend] button on the left side of the finisher.



d194d6154

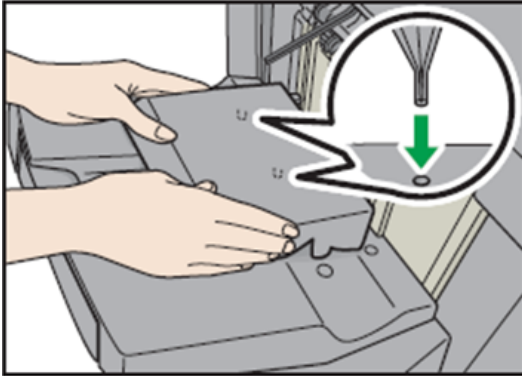
2. Remove the paper ejected from the finisher shift tray and pull out the extension tray.



d194d6155

3. Set in place so the embossed parts of the Z-fold support tray are aligned with the positioning holes of the shift tray.

Instruct users not to get the Z-fold support tray out of position when removing output paper.



d194d6156

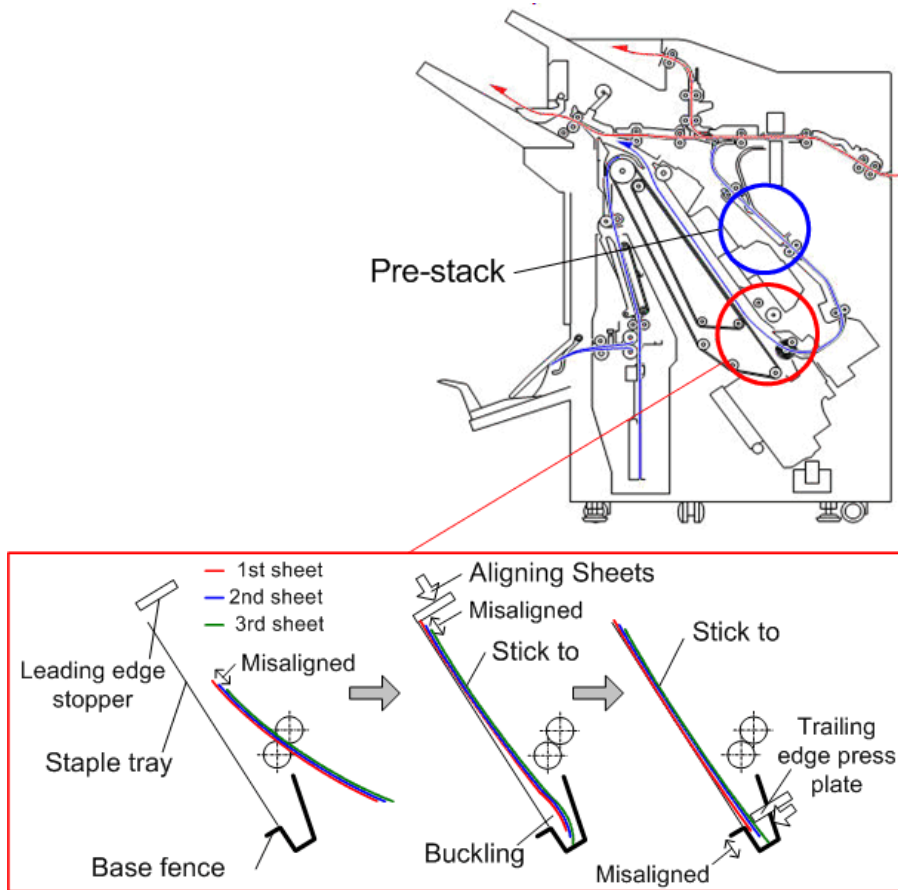
4. Press the [Suspend] button and restart printing.

When bundle to be bound is poorly aligned

6

Symptom

If there is a lot of friction between sheets of paper, as happens with coated paper, during pre-stacking, the alignment of leading edge stopper fails to correct the misalignment of paper, so it is not stapled neatly.



w_d194e6170a

Cause

When binding with staples, to save time in adjusting the bundle of paper in the staple tray, the paper is held temporarily (pre-stack) prior to release to the staple tray.

For that reason, paper is stacked on top of each other at the paper exit to the staple tray, and due to the structure of the pre-stack, the leading edge of paper is misaligned from the sheet transported before it by about 5mm when it is discharged to the staple tray.

The paper is discharged to the staple tray and its leading edge is pressed against the leading edge stopper, the paper is then aligned by the base fence pressing against the trailing edge; however, when there is a great deal of friction between sheets, as happens with coated paper, the aligning effect of the leading edge stopper fails to correct the misalignment.

Furthermore, when the paper is thin and weak-bodied, even the aligning effect of the leading edge stopper may cause the paper to buckle and prevent correction.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- When stapling paper with a great deal of friction between sheets, such as coated paper.
- When stapling paper weak-bodied paper, such as thin paper.

Action

Reduce the number of sheets in pre-stack. (Reduce the number of sheets sent at a time to the staple unit.)

Related SP

- SP6-225-001 to 14 Adj Pre Stack Number

Note

- Productivity may suffer from reducing the number of sheets in the pre-stack.

Trailing edge of stapled sheets close to the paper exit

Cause

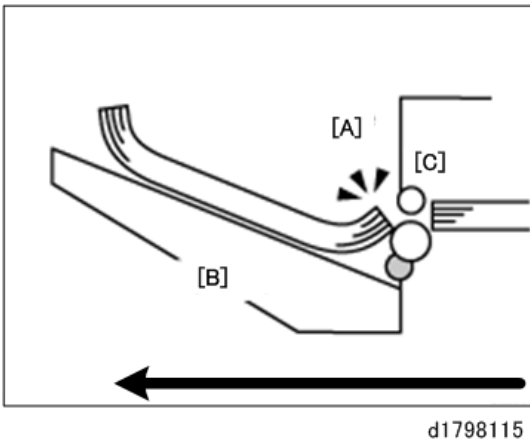
If the stapled sheets are curled strongly or become limp after delivery, the trailing edge of the sheets may be too close to the paper exit when the paper is stacked.

If this happens, stapled sheets, when delivered, may push the previously delivered sheet, resulting in paper bending or misfeeding.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- There is a tight curl on a delivered set of stapled sheets.
- Limp paper such as thin or recycled paper is used.



[A]	Trailing Edges
[B]	Output Tray

[C]	Paper Exit
-----	------------

In the illustration the trailing edges of the stack [A] on the output tray [B] are too close to the paper exit [C].

Action

1. Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Set to "Adjust Concave Curl". (SP 1-906-001 to 012: De-curler Setting Tray <number> :Paper Path Selection)
2. Select "Strong" or "Weak" to control the amount of curl correction as required.
3. Reduce the amount of curl by changing the direction of curl, such as by loading the paper into the tray the opposite way.
4. Attach the Z-fold support tray for multi-folding unit.
It isn't aligned as neatly, but it eliminates paper bending.

Note

- See page 390 "Z-fold Support Tray Installation" for how to install the Z-fold support tray.

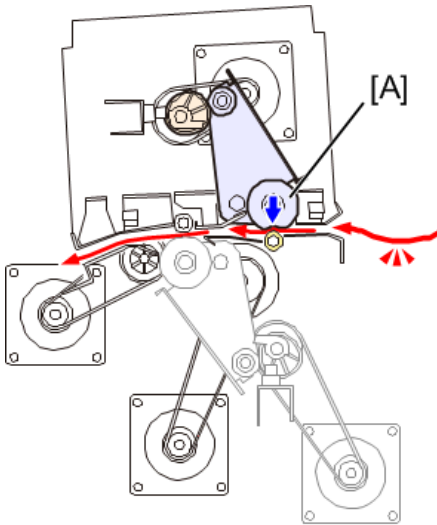
Leading edges of paper are dirty at 4-mm Intervals

Symptom

Toner on the anti-static brush on the upstream of the punch unit adheres to the leading edges of paper at 4-mm intervals.

Cause

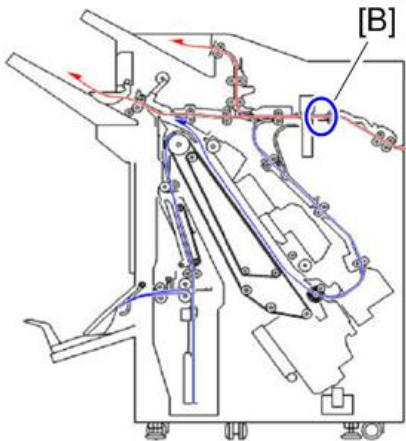
- Paper goes through between the rollers above and below in the de-curl unit. When the back curl correction (straightening paper which is curled face down) is enabled, sponge roller [A] presses the paper from above to correct the curl.



m205a2985

6

If printed side faces up, toner becomes easy to come off from paper because the printed side is pressed by the sponge roller to correct the curl. When this paper is transported to the finisher, the anti-static brush [B] on the upstream of the punch unit catches the toner, and then toner is transferred to the leading edges of paper.



m205a2986

Occurrence Conditions

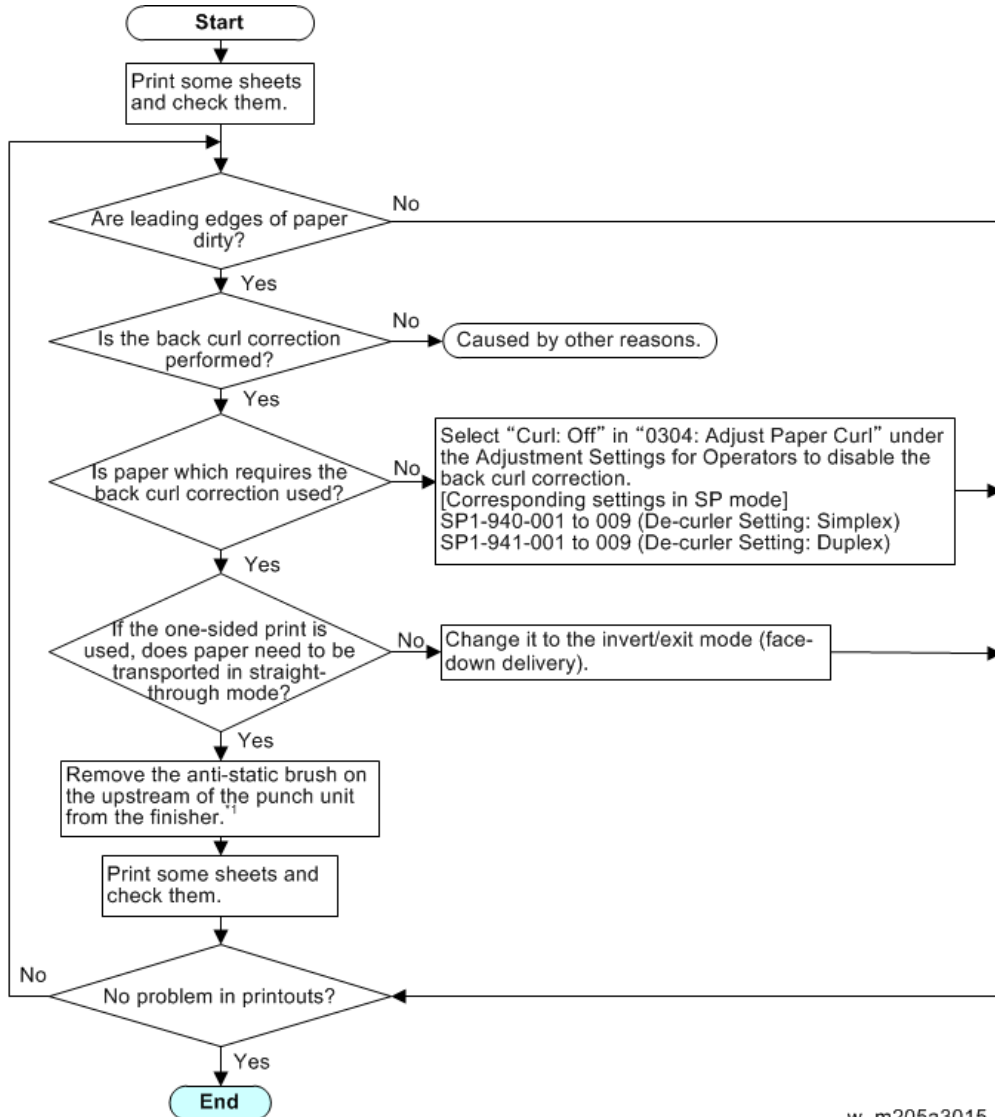
This symptom could occur if both of the following conditions are true.

- The back curl correction is required in de-curl unit to prevent defective stacking.
- Printed side faces up in the downstream peripherals.

Note

- If the following types of paper are used, the back curl correction is performed to prevent defective stacking.
 - Data Copy
 - HML Color Copy Digital 28lb

Action



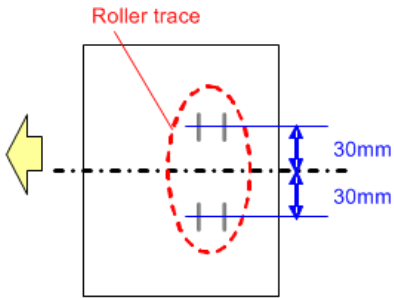
* 1 If you removed the anti-static brush on the upstream of the punch unit from the finisher, the alignment accuracy for stapling might worsen. So, when the center-folding function is used, reduce

the number of sheets of pre-stacking with "0606 Number of Sheet Align for Stapling" in the Adjustment Settings for Skilled Operators. (SP mode: SP6-225-001-014)

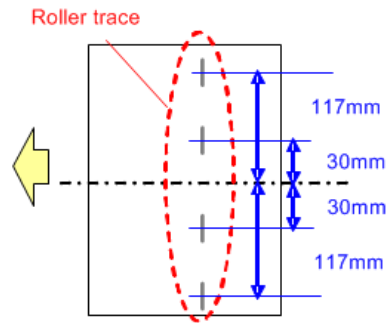
Paper edges get dirty caused by dirt of paper transfer rollers

Location Occurs

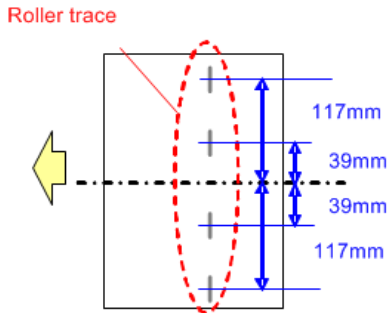
Entrance Rollers



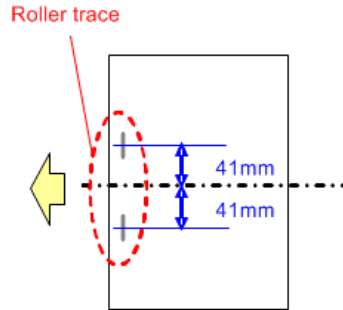
Post Punch Rollers, Straight Transport Rollers, Proof Path Rollers



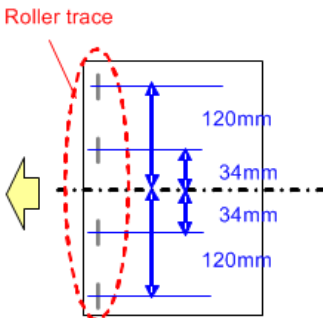
Paper Registration Rollers



Shift Tray Exit Rollers



Proof Tray Exit Rollers



w_d194z0754

Cause

When high coverage images are printing, the paper transfer roller gets dirt and this dirt adheres on the paper surface or paper edges.

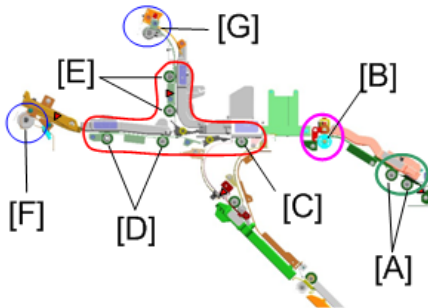
Occurrence Conditions

This may occur while or after high coverage printing.

Action

Clean the rollers with alcohol below:

- Entrance Rollers [A]
- Paper Registration Rollers [B]
- Post Punch Rollers [C], Straight Transport Rollers [D], Proof Path Rollers [E]
- Shift Tray Exit Rollers [F], Proof Tray Exit Rollers [G]



d194d6214

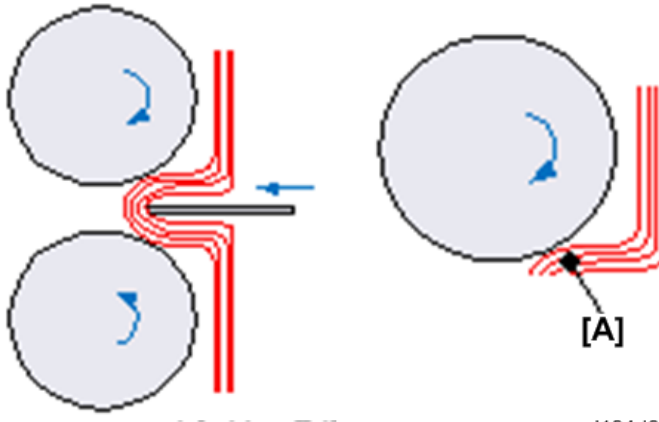
Only the cover is discharged during saddle stitching (JAM129)

Symptom

In the folding process of saddle stitching, the bundle of paper is folded in the middle by pinching it between paper folding rollers on the crease from top to bottom, and while folded in the middle by the paper folding rollers, it is transported.

During the folding process, the front cover is folded and transported due to the friction between the paper folding rollers and the paper; paper other than the cover is folded and transported due to the friction between sheets of paper.

However, if the print density of an image is high, such as with a solid image, it lowers the friction coefficient between sheets of paper [A], which can result in slipping during the folding process of paper other than the cover as the transport pressure drops; in such case, only the cover is discharged and other paper is left behind in the saddle stitch process tray, resulting in a paper remaining jam error (JAM129).



d194d6158

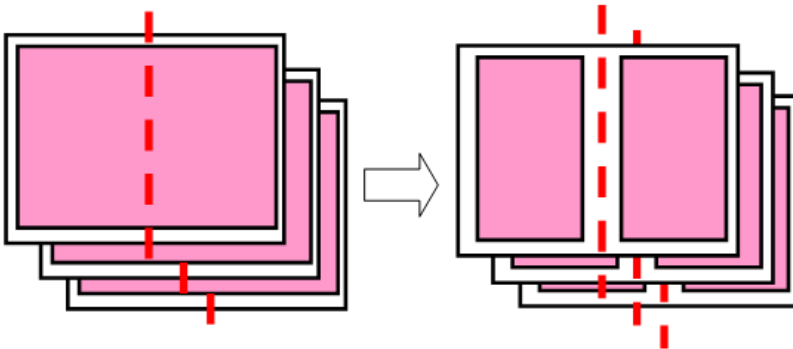
Occurrence Conditions

The above problems are likely to occur under the following conditions:

- A high density image is printed in the fold line.
- 15 or more sheets are bound.
- In a low humidity/temperature environment

Action

Select "Magazine" for the booklet printing method and set the binding margin to 5mm or greater.



d194d6159

Setting by Operation Panel

1. Press [Dup./ Combine/ Series] on Copier screen.
2. Select [Booklet] under "Magazine".
3. [Edit/Color] > [Margin Adj.], set as follows.
Front Side: Left 5mm
Back Side: Right 5mm

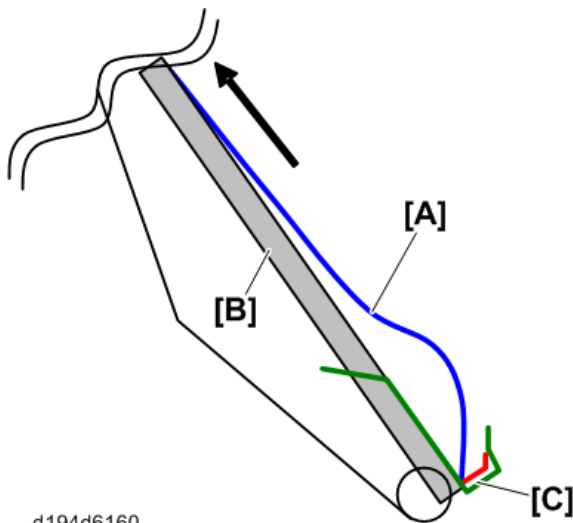
Related SP

- SP6-200-001 to 18: Adj Booklet Staple Position

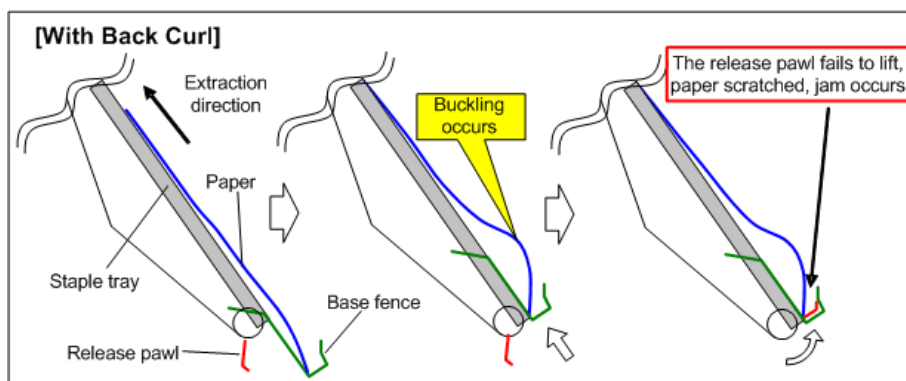
Thin, coated paper eject error (stapled sheets)

Symptom

In the binding process, when thin, coated paper [A] is discharged from the staple tray [B], as the staple tray that pushes and lifts up the trailing edge of the paper is at a steep angle (55°), it results in a difference in linear speed between the leading edge and trailing edge, making it buckle; the release pawl [C] is unable to lift it up, resulting in scratches on the paper and/or jams.



d194d6160



w_d194e6161a

Cause

During binding processes (edge stapling, saddle stitching), paper is transported to and assembled in a staple tray and then it is discharged by a release claw.

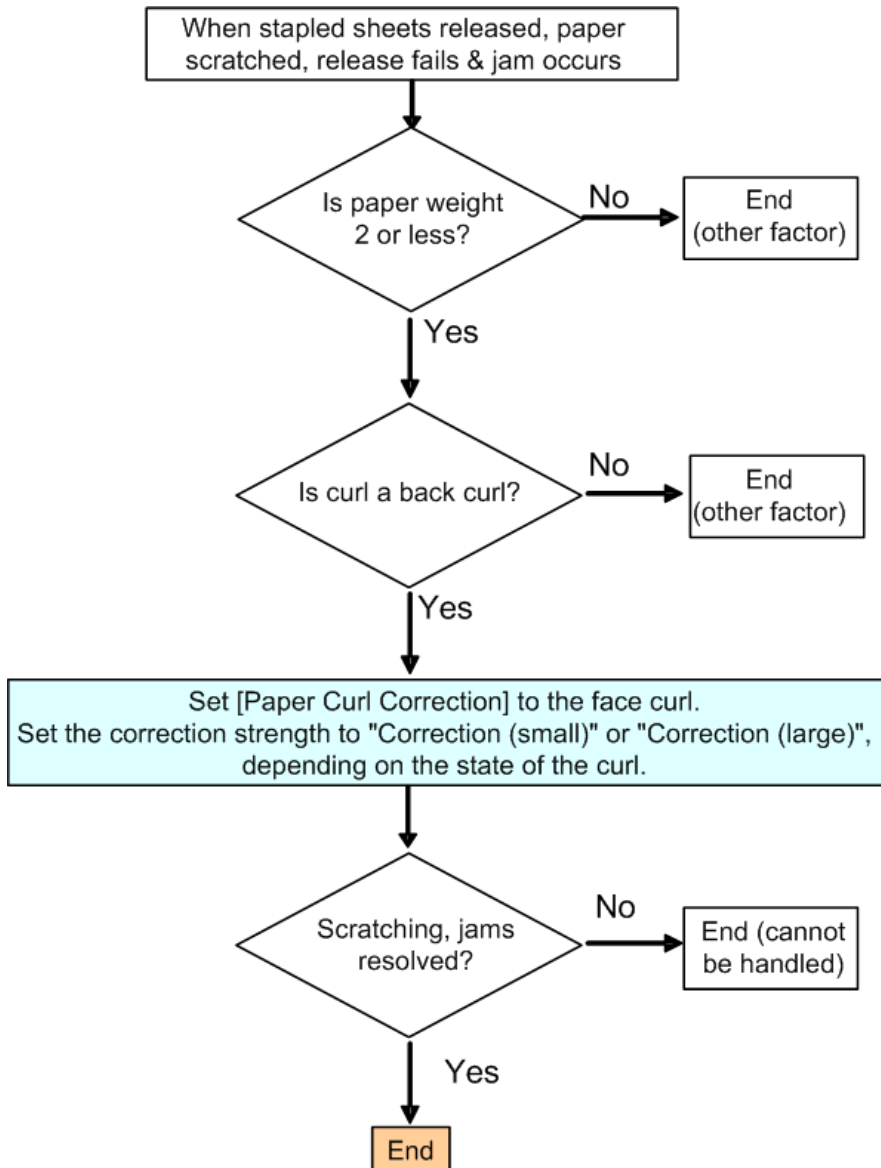
When discharging thin, coated paper, if the paper is weak-bodied, short-grained paper, as the mechanism tries to push and lift up the trailing edge of the paper, it makes it buckle, resulting in scratches on the paper and/or jams due to failure to release.

Occurrence Conditions

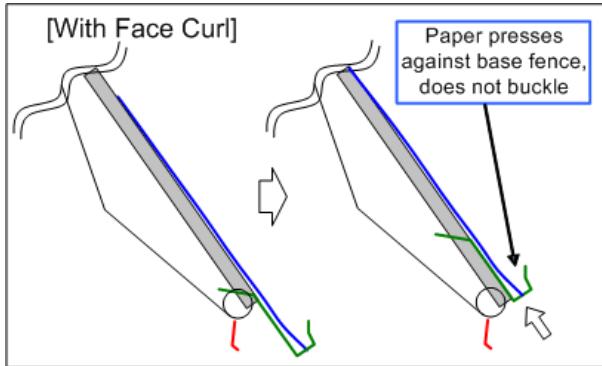
The above problems are likely to occur under the following conditions:

- Environment: The higher the humidity, the weaker the body of the paper becomes and the more prone to buckling.
- Paper body: If the paper is weak-bodied (short-grained), during discharge the efficiency drops in transmitting the transfer force to the leading edge of the paper, which is a factor in producing buckling.
- Paper length: The discharge distance increases in proportion to the paper length and the resistance due to friction between the paper and the tray has a strong influence as a factor in buckling occurring.
- Number of sheets: the fewer the sheets of paper, the weaker the body of the bundle of paper, and the more prone to buckling.

Action



w_d194e6163a



w_d194e6162a

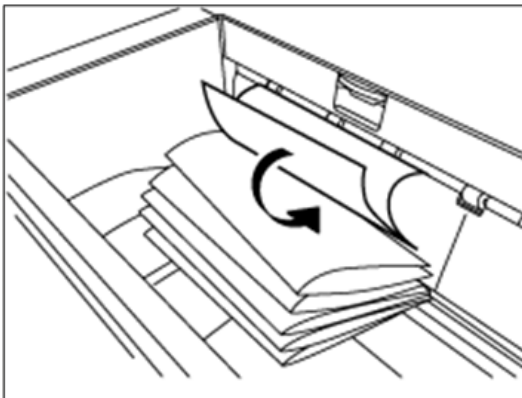
Peripherals 002: Multi-Folding Unit FD5020

Folded sheets are not stacked properly

6

Cause

If a large number of half-folded multi-sheet is delivered, the edge of the sheets may bulge and some part of the edge will be swollen. If this happens, other sheets loaded on the bulged paper may turn over in the output tray. This is likely to occur if thick, relatively stiff paper is used.



d1798134

As a bundle is delivered, its folded edge may droop and catch on the stacked bundles, causing the delivered bundle to flip over.

Action

Use the Z-fold support tray for multi-folding unit. This will reduce the angle of stacked bundles and prevent bundles flipping over as they are delivered.



d1798135

↓ Note

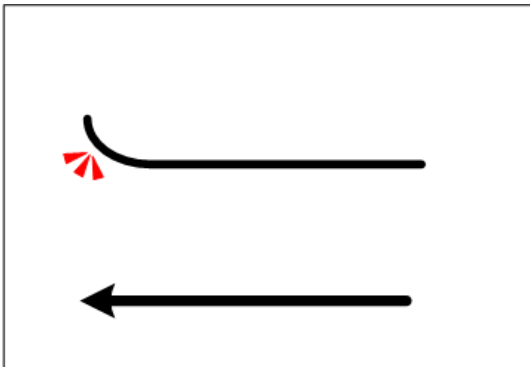
- See page 390 "Z-fold Support Tray Installation" for how to install the Z-fold support tray.

Z-folding is not performed correctly

6

Symptom

The delivered paper has an upward curl with a arc of 4 cm (1.6") or less at leading edge.



d1798133

Action

1. Is the decurl unit installed?

Yes	Go to the next step.
No	Go to Step 4.

2. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Set Adjust Paper Curl to Adjust Concave Curl: Weak. (SP 1-906-001 to 012: Decurler Setting Tray <number>:Paper Path Selection)

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

4. Load the paper the other way up.

5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult key operators.

Note

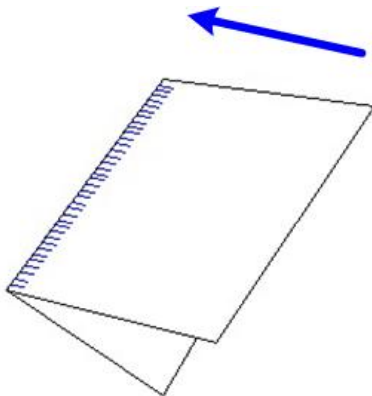
- This folding error will not occur if uncurled paper is used or sheets that curl downward.

Matte paper scratched during folding

6

Symptom

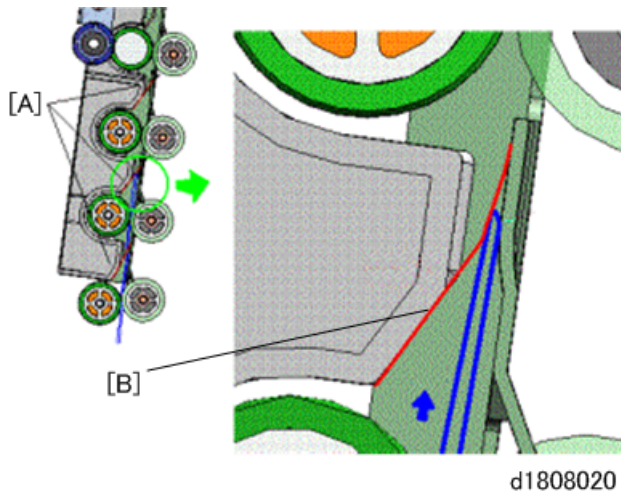
The surface of matte finish paper shows scratches after folding.



w_d194z0747

Cause

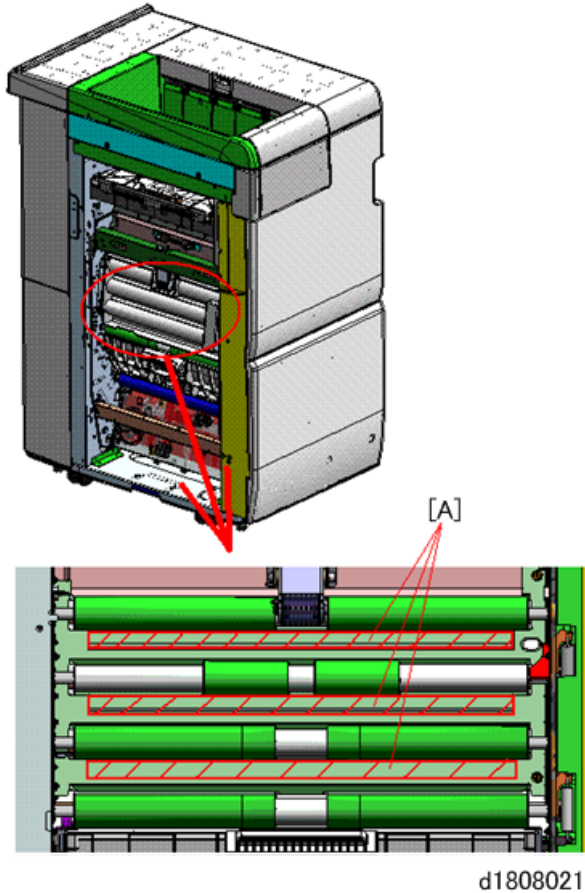
When the folded paper is transported to the fold crease unit, the leading edge (creased edge) enters the fold nip prepared level for the press guide[B], and then is pressed by the on the paper transport guide. The press guide is provided with three press rollers [A]. The friction between the press guide and press guide plate as the paper is fed can scratch or mark the matte finish of the paper.

**Note**

- The surface of the guide plate is rough and can cause marks on the surface of the paper. The surface of the plate becomes smoother after about 2,000 sheets have feed through the folding unit and these marks disappear.
- The surface of gloss coated paper is much smoother, so these marks do not appear on glossy paper.
- The surface of Normal paper is untreated, so these marks do not appear with Normal paper.

Action

1. Open the guide plate and clean the metal plate at [A] with an alcohol dampened cloth.



6

2. Print and fold a sample. Is the problem resolved?

Yes: Finished!

No: Go to the next step.

3. Take a piece of paper and gently rub the surface of the metal plate to smooth it, and then do another test. Is the problem solved?

Yes: Finished!

No: Repeat Steps 1 and 2. If the problem persists, consult key operators.

Note

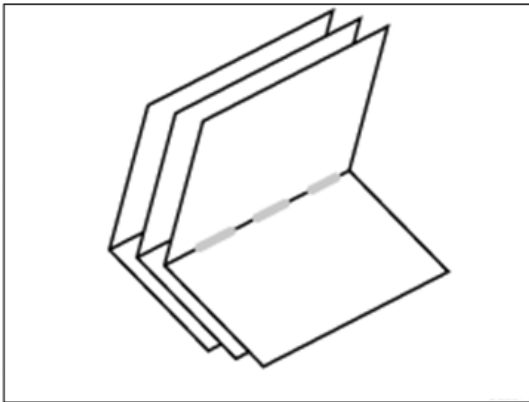
- Cleaning the surface of the metal guide plate and buffing it with a piece of paper reduces the occurrence of marks on the paper.
- The present condition of the guide plate at the affected area depends on the amount of usage of the folding unit, but buffing the surface of the plate with paper 20 to 50 times should reduce friction during paper feed.

★ Important

- After buffing the with paper, always clean the surface of the plate with a clean cloth dampened with alcohol to remove tiny bits of paper that could adhere to the plate after buffing.

Folds soiled by multi-sheet folding**Cause**

If multi-sheet folding is performed after a large number of Z-folds have been performed, the tip of the blade used for the multi-sheet folding may be soiled, resulting in soiled paper.



d1798128

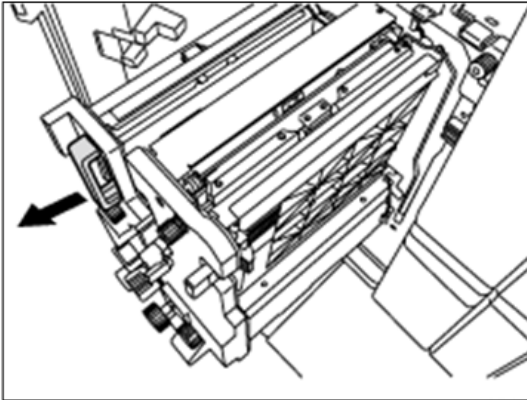
This will produce paper soil of 1-3 cm (0.4-1.2 inches) in width (equal to the width of the blade) in the fold in the center of paper.

Action

Clean the blade.

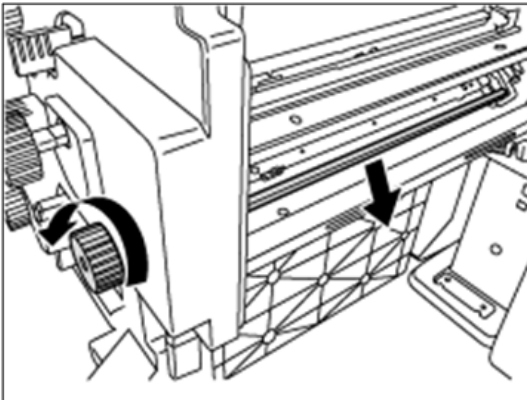
1. Open the front cover of the multi-folding unit.

2. Pull the multi-folding unit out.



d1798129

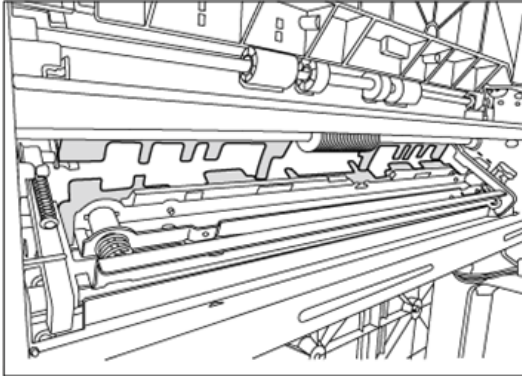
3. Turn the N11 dial counterclockwise until the blade appears.
4. The blade is located in the right part of the multi-folding unit.



d1798130

5. Wipe the tip and top of the blade with a soft dry cloth.

6. Be careful not to damage the blade.



d1798131

7. After cleaning, restore the machine so that it resumes operation.

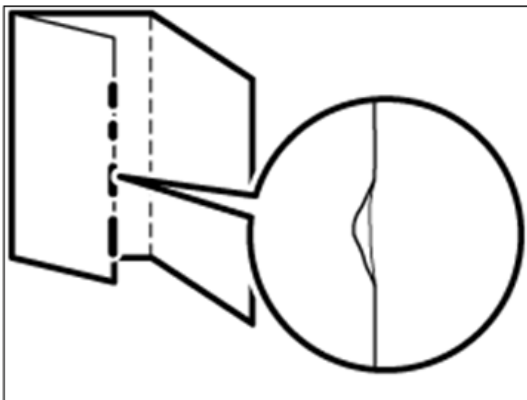
8. Apply multi-sheet folding and print 3-5 sheets. The paper soil will disappear.

Edges of letter fold bent

6

Symptom

When letter folding is applied, the edge of the inner flap may become bent.



d1798132

Action

The solution depends on whether letter folding is applied to multiple sheets or a single sheet.

When letter folding is applied to multiple sheets

1. Load the paper the other side up.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

- On the machine operation panel: [User Tools] > System Settings > General Features > Set Letter Fold-in Position for multiple sheets to "4.0 mm". (SP 6-755-101 to 110: FM4 3rds 1 Flap:Fine Adj 1st (size) SEF (Multi Sheet))
- Print the image. Is the problem resolved?

Yes	Finished!
No	Consult key operators.

When letter folding is applied to a single sheet

↓ Note

- This procedure is applied especially to coated paper.
 - To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".
- In General Features in System Settings, set Letter Fold-in Position for a single sheet to "7 mm".
 - In Advanced Settings for the custom paper in use, select Letter Fold-in Posn 1: Single-sheet Fold. (SP 6-755-001 to 100: FM4 3rds 1 Flap:Fine Adj 1st Custom Paper 001 to 100)
 - Increase the value by 0.2 mm.
 - Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Step 2 to 4. If the problem persists even though the setting value is 4 mm larger than the maximum value, consult key operators.

Poor folding

Cause

Depending on paper hardness, inaccurate folds may result. This is referred to as folding deviation.

Action

Change the folding position by adjusting the position of the paper edge stopper for folding.

- For multi-sheet folding, change the folding position using the following settings:
 - Half Fold Position (Multi-sheet Fold) (SP 6-752-101 to 119: FM2 Equal 1/2:FineAdjFld(D615) (size) SEF (Multi Sheet))

- Letter Fold-out Position 1 (Multi-sheet Fold) (SP 6-753-101 to 108: FM3 Equal 3rds:Fine Adj 1st (size) SEF (Multi Sheet))
 - Letter Fold-out Position 2 (Multi-sheet Fold) (SP 6-754-101 to 108: FM3 Equal 3rds:Fine Adj 2nd (size) SEF (Multi Sheet))
 - Letter Fold-in Position 1 (Multi-sheet Fold) (SP 6-755-101 to 110: FM4 3rds 1 Flap:Fine Adj 1st (size) SEF (Multi Sheet))
 - Letter Fold-in Position 2 (Multi-sheet Fold) (SP 6-756-101 to 110: FM4 3rds 1 Flap:Fine Adj 2nd (size) SEF (Multi Sheet))
2. For single-sheet folding, change the folding position using the following settings:
- Adjust Z-fold Position 1 (SP 6-750-001 to 100: FM1 Z-Fld: Fine Adj 1st Fld Custom Paper 001 to 100)
 - Adjust Z-fold Position 2 (SP 6-751-001 to 100: FM1 Z-Fld: Fine Adj 2nd Fld Custom Paper 001 to 100)
 - Half Fold Position: Single-sheet Fold (SP 6-752-001 to 100: FM2 Equal 1/2:FineAdjFld(D615) Custom Paper 001 to 100)
 - Letter Fold-out Posn 1: Single-sheet Fld (SP 6-753-001 to 100: FM3 Equal 3rds:Fine Adj 1st Custom Paper 001 to 100)
 - Letter Fold-out Posn 2: Single-sheet Fld (SP 6-754-001 to 100: FM3 Equal 3rds:Fine Adj 2nd Custom Paper 001 to 100)
 - Letter Fold-in Posn 1: Single-sheet Fold (SP 6-755-001 to 100: FM4 3rds 1 Flap:Fine Adj 1st Custom Paper 001 to 100)
 - Letter Fold-in Posn 2: Single-sheet Fold (SP 6-756-001 to 100: FM4 3rds 1 Flap:Fine Adj 2nd Custom Paper 001 to 100)
 - Double Parallel Fold Position 1 (SP 6-757-001 to 100: FM5 4ths "V": Fine Adjust 1st Custom Paper 001 to 100)
 - Double Parallel Fold Position 2 (SP 6-758-001 to 100: FM5 4ths "V": Fine Adjust 2nd Custom Paper 001 to 100)
 - Adjust Gate Fold Position 1 (SP 6-759-001 to 100: FM6 4ths 2 Flap:Fine Adj 1st Custom Paper 001 to 100)
 - Adjust Gate Fold Position 2 (SP 6-760-001 to 100: FM6 4ths 2 Flap:Fine Adj 2nd Custom Paper 001 to 100)
 - Adjust Gate Fold Position 3 (SP 6-761-001 to 100: FM6 4ths 2 Flap:Fine Adj 3rd Custom Paper 001 to 100)

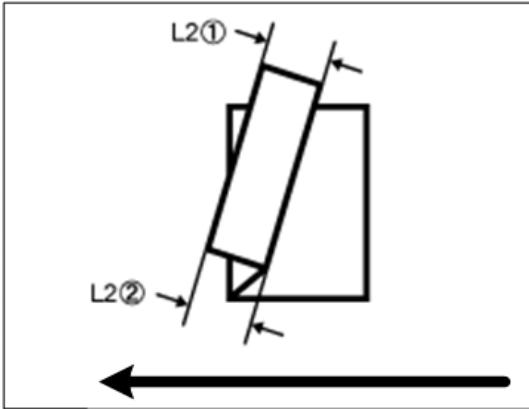
Folding deviation

Cause

Depending on paper hardness, folding deviations (skewed folding) may appear.

- A deviation may appear if the edge dimensions of the parts between folds are different.
- For example, in the following illustration, the dimensional difference between the top (L2[2]) and bottom (L2[1]) edges is a deviation.

<Folding deviation sample of L2 for Z-fold>



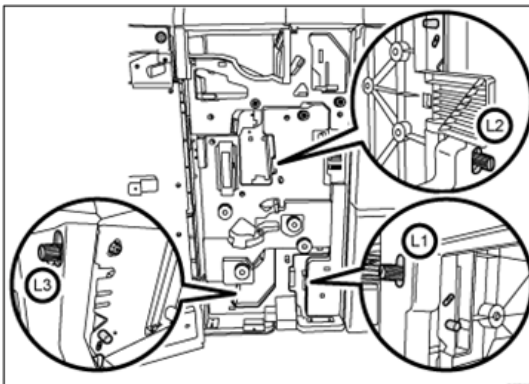
d1798116

6

Action

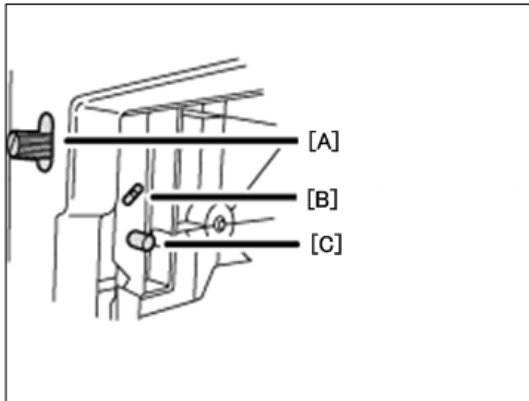
Adjust the deviation.

The multi-folding unit has three adjusting screws (L1, L2, and L3) to adjust deviation.



d1798117

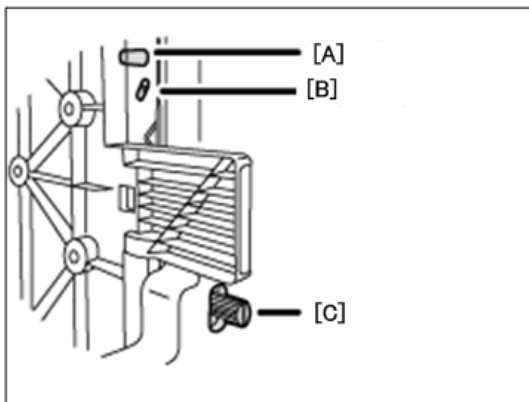
L1



d1798118

[A]	Adjusting Screw
[B]	Adjusting Screw Hole
[C]	Mounting Screw

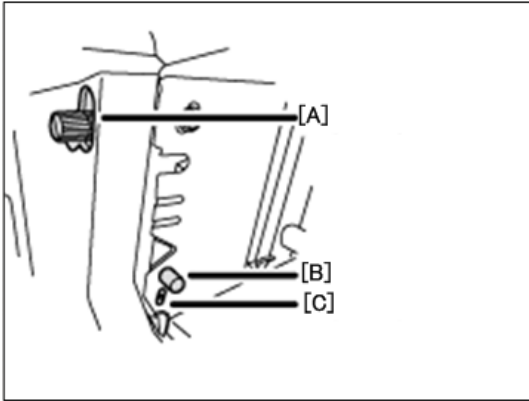
L2



d1798119

[A]	Mounting Screw
[B]	Adjusting Screw Hole
[C]	Adjusting Screw

L3

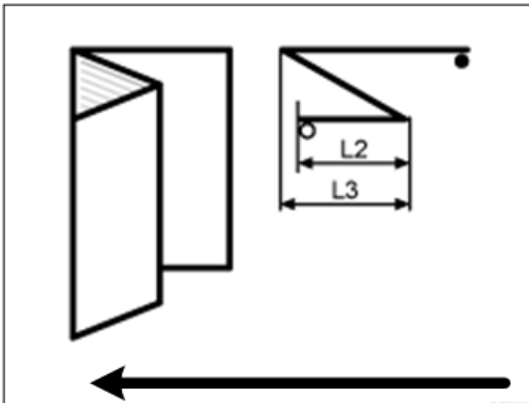


d1798120

[A]	Adjusting Screw
[B]	Mounting Screw
[C]	Adjusting Screw Hole

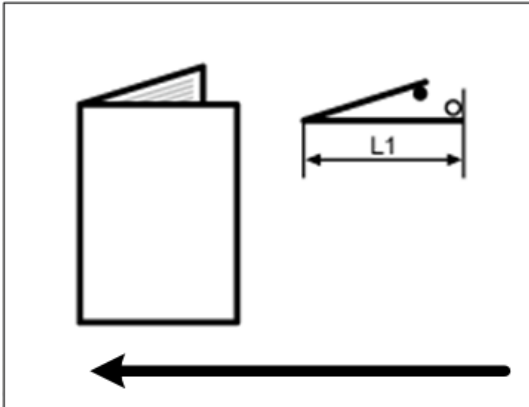
The screws can be used to do adjustments for the following fold methods:

- Z-fold



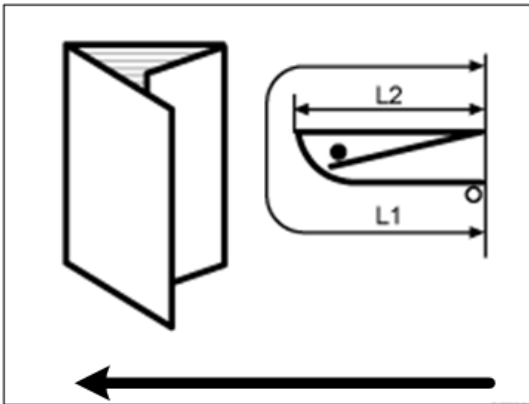
d1798121

- Half Fold



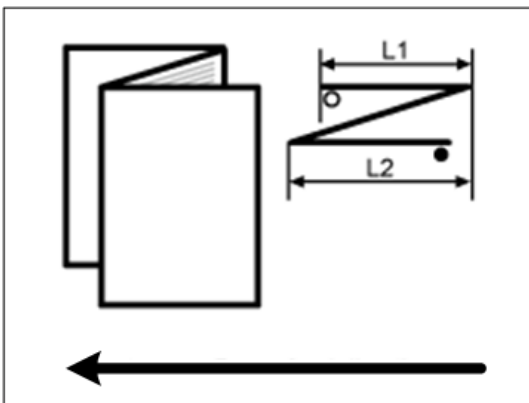
d1798122

- Letter Fold-in



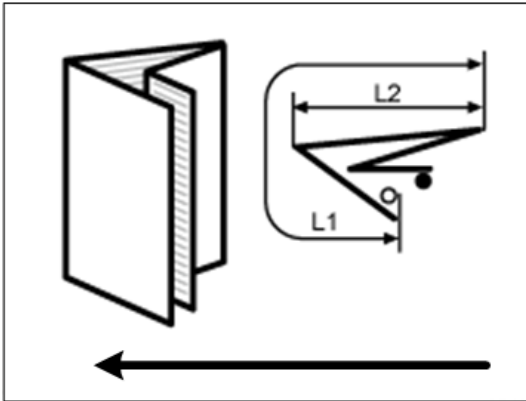
d1798123

- Letter Fold-out



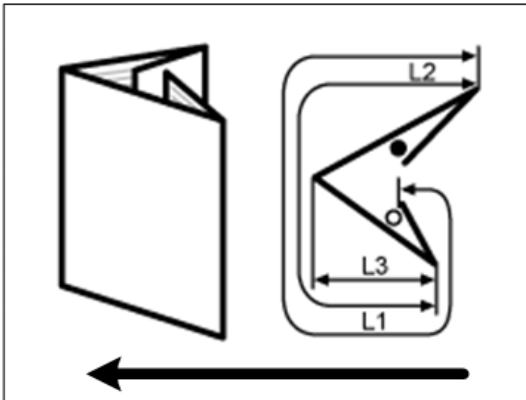
d1798124

- Double Parallel



d1798125

- Gate Fold



d1798126

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.

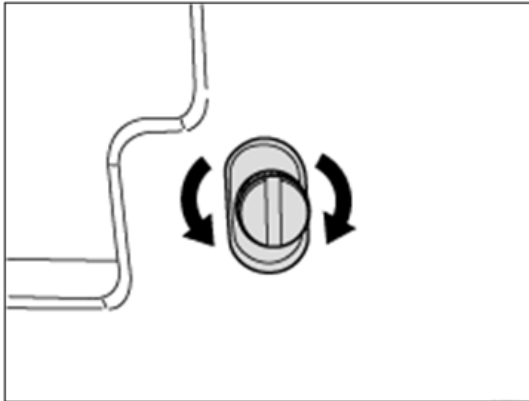
How to adjust the folding deviation

This procedure is the same for L1, L2, and L3.

1. Open the front cover of the multi-folding unit.
2. Remove the mounting screw.

If the mounting screw is attached to the adjusting screw hole, unfasten it.

3. Turn the adjusting screw to adjust the deviation.
 - To increase the length at the bottom part of paper, turn the screw clockwise.
 - To decrease the length at the bottom part of paper, turn the screw counterclockwise.



d1798127

4. Attach the mounting screw to fasten the adjusting screw.
If the mounting screw is attached to the adjusting screw hole, fasten it.
5. Close the front cover of the multi-folding unit.

Note

- For multi-sheet folding, the folding deviation that appears in the center of paper will be adjusted.
- If the deviation is large, the paper may be skewed. For further information, see page 550 "Skew and Side-to-Side Registration for Peripherals".

6

Peripherals 003: High Capacity Stacker SK5030

Delivered sheets are severely curled

Cause

Sheets with downward curls cause strong friction at their leading edges. This may result in paper misfeeds. Sheets will not be ejected completely and the trailing edges will be left inside the paper exit.

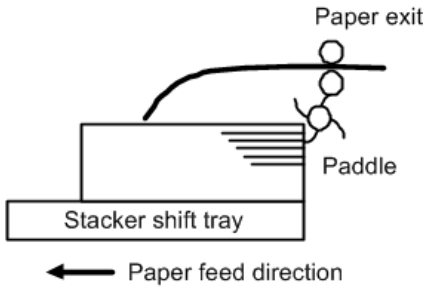
If this happens, other sheets may slip under the delivered sheets, so that the delivered sheets may be curled when loaded.

Occurrence Conditions

A4 or larger coated paper weighing up to 135 g/m² (50 lb. Cover) is used.

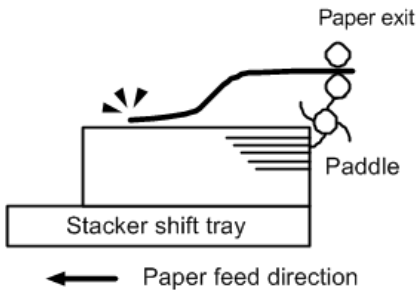
Action

1. An uncurled sheet is delivered to the stacker shift tray.



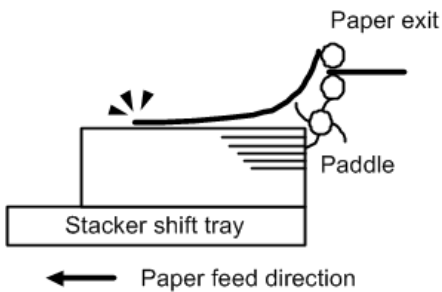
w_m205a4123

2. Strong friction occurs at the trailing edge so that the paddle cannot pull the sheet back and align the edges of the sheet with those of the stack.



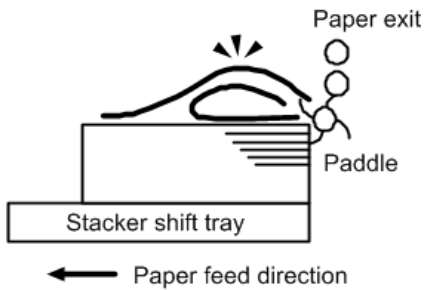
w_m205a4124

3. The paper edge stopper fails to push back the protruding leading edge and align the sheet as required.






w_m205a4125

4. Stacked sheets are not aligned properly.



w_m205a4126

Action

1. Load the sheets the other way up.
2. Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
3. Separate the stacker for the main unit and correct the registration by adjusting the positioning of the bracket where they come together.
4. Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
5. In the [Adjustment Settings for Skilled Operators] menu, set [Adjust Paper Curl] to [Adjust  Curl: Weak].
6. Set [Adjust Paper Curl] to [Adjust  Curl: Weak]
7. Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
8. Set [Adjust Paper Curl] to [Adjust  Curl: Strong].
9. Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
10. Is the face curled?
Yes: Contact your supervisor.
No: Load the sheets the other way up again and go to step 8.

Delivered sheets are not aligned

Cause

When sheets are delivered to the stacker tray, because of paper-to-paper friction, the paddle fails to pull the trailing edge back into the front guide, resulting in misalignment.

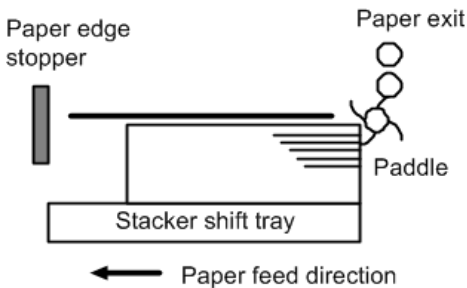
The paper edge stopper also fails to push back the protruding leading edge.

Occurrence Conditions

Thick (280 g/m² [105 lb. Cover] or heavier), uncurled A3 or larger paper is used.

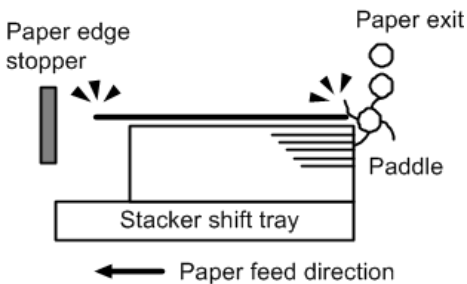
How the problem occurs

1. An uncurled sheet is delivered to the stacker shift tray.



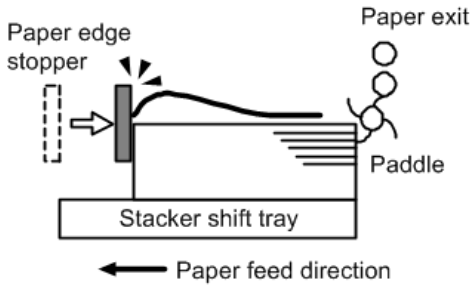
w_m205a4127

2. Strong friction occurs at the trailing edge so that the paddle cannot pull the sheet back and align the edges of the sheet with those of the stack.



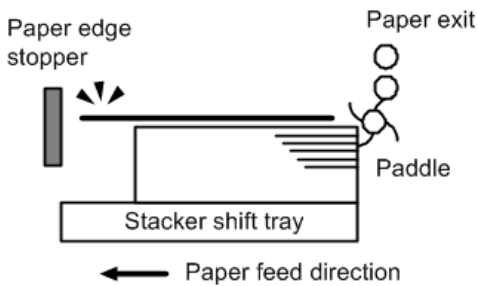
w_m205a4128

3. The paper edge stopper fails to push back the protruding leading edge and align the sheet as required.





w_m205a4129

- Stacked sheets are not aligned properly.



w_m205a4130

Action

- Load the sheets the other way up.
- Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
- In the [Adjustment Settings for Skilled Operators] menu, set [Adjust Paper Curl] to [Adjust  Curl: Weak].
- Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
- Set [Adjust Paper Curl] to [Adjust  Curl: Strong].
- Print the image. Was the problem resolved?
Yes: Finish
No: Go to next step.
- Is just the first sheet misaligned?
Yes: Finish
No: Go to next step.

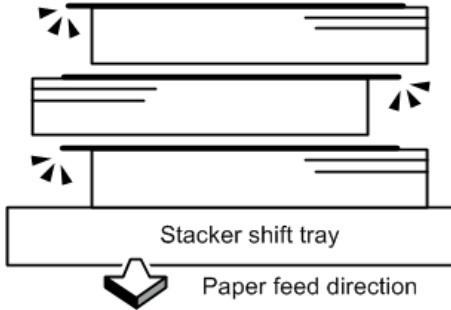
8. Is it just some of the last sheets?

Yes: Finish

No: Contact your supervisor.

Note

- The top sheet of each offset bundle of delivered sheets may protrude above the rest of the bundle by about 7 mm.

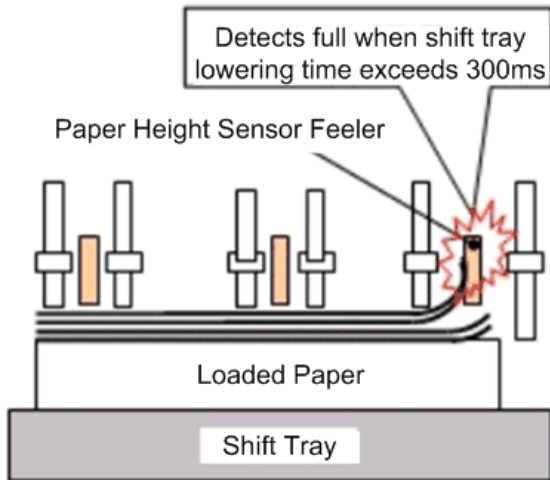


w_m205a4122

Premature detection of full when paper discharged to shift tray

Cause

When paper that is about as wide as the paper height sensor feeler is discharged to the shift tray, if it has side face curl, the edge of the paper may fail to go under the paper height sensor feeler and ride up on the feeler; alternatively, by coming in contact with the paper height sensor feeler, it may ride up and press against the feeler and the load from this may hinder the movement of the feeler. In this case, even if the shift tray lowers down, the paper height sensor feeler fails to turn OFF, and the lowering time of the shift tray ends up exceeding 300ms, and the unit ends up sensing it is full.



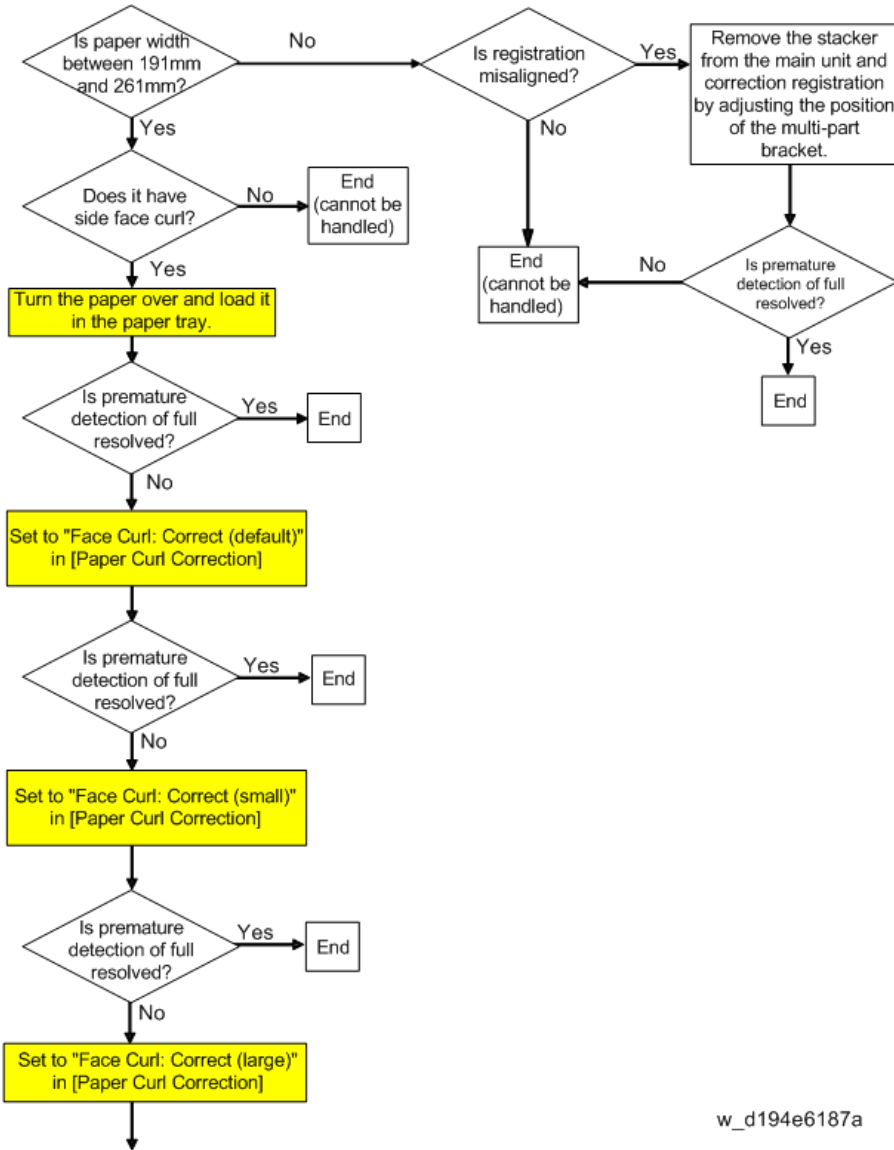
w_d194e6186a

Occurrence Conditions

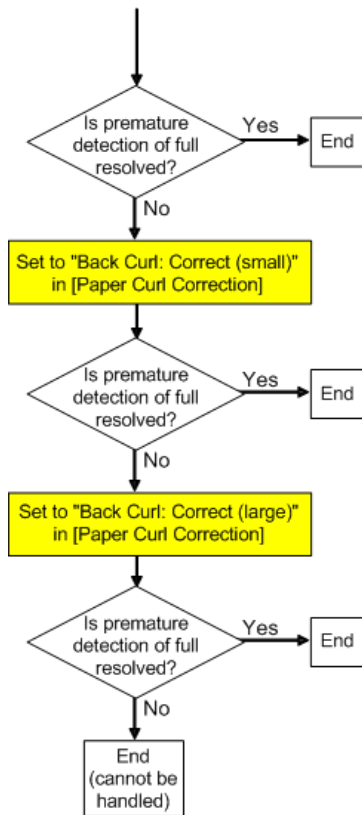
When paper of a certain width is discharged to the shift tray, the unit may detect being full prematurely.

(Paper between roughly 191 mm to 261 mm wide)

Action



w_d194e6187a

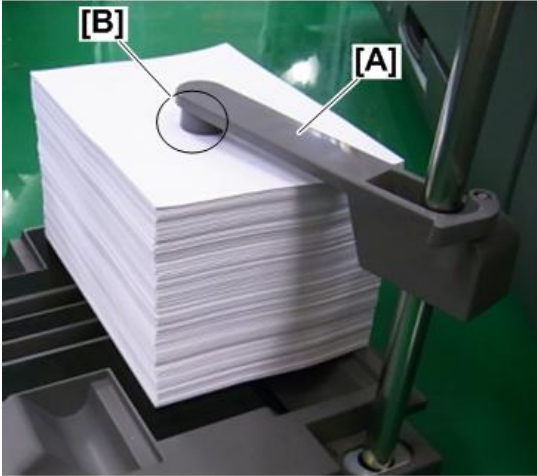


w_d194e6187b

Marks left by the paper holder

Symptom

Pressure from the paper holder [A] on the cart may leave marks where the holder pressed down [B].



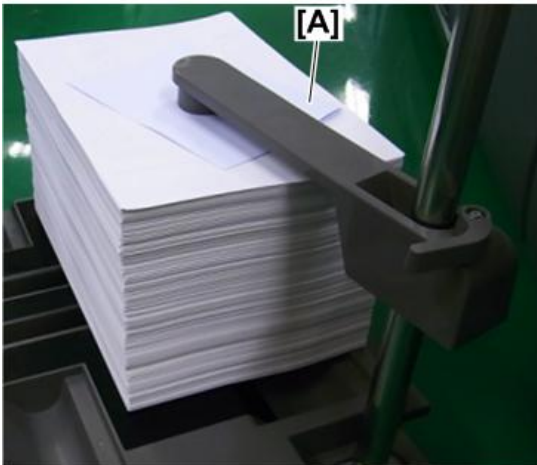
d194d6188

Cause

The paper holder exerts more pressure than the previous model of cart, which creates the potential for leaving marks on the stack of paper when it is holding it. The top pages of the stack are prone to having marks left.

Action

Marks can be prevented by putting scrap paper in between [A].

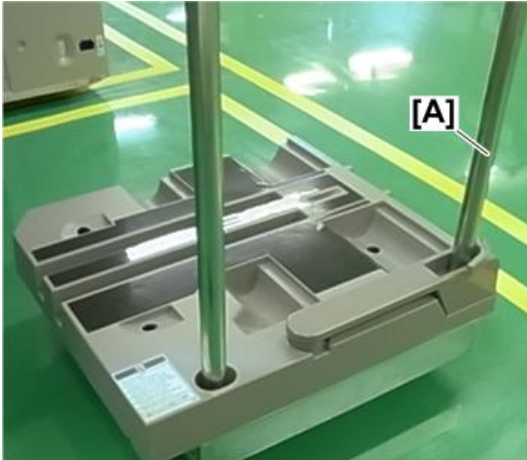


d194d6189

Prevent loosening of screws to the cart's handle

Symptom

There have been cases of screws [A] to the handle of the cart loosening.



d194d6190

Cause

The torque on the mounting bolt of the handle on the bottom of the cart is too low, so when the cart is loaded with paper and it is pushed/pulled repeatedly, the mounting bolt may get loose.

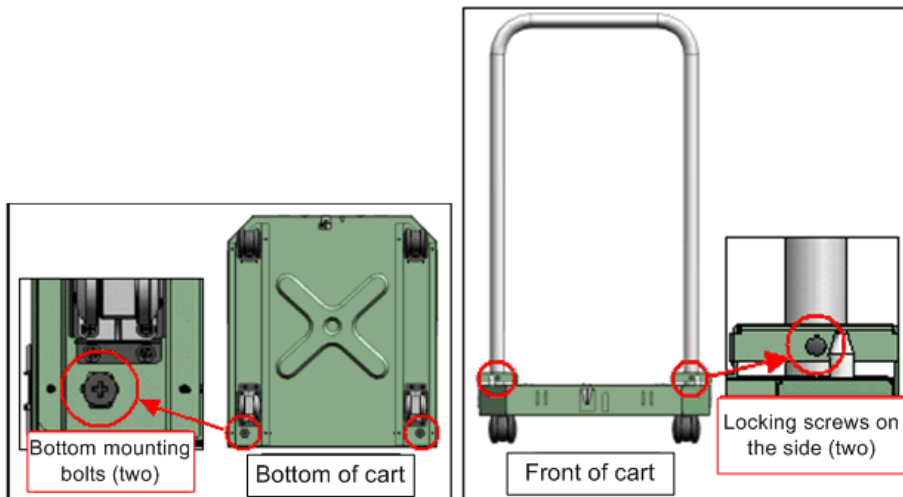
Occurrence Conditions

This is prone to happening if the torque on the mounting bolt of the handle is less than 18Nm.

Action

If the cart's handle starts to rattle, or if the paper holder fails to be effective because of loosening, re-tighten the mounting bolt on the bottom of the handle.

Also, if the locking screws on the side of the handle get loose, re-tighten them.



w_d194e6191a

Peripherals 004: Ring Binder RB5020

Troubleshooting for SC756-48

Cause

- In a system where the Ring Binder is installed, there may be cases when the main machine issues SC756-48 (Ring Binder: Ring Binder Not Detected) when the Ring Binder door is opened, the ring binder unit is pulled out of the machine, upon recovery from low energy mode, or when the main machine is turned on.
- Occasionally, closing the door will not release SC756-48.

Note

- If the system is powered on with the ring binder unit pulled out, the ring binding system may not start up normally.

Action

Important

- **Be sure not to exit from Energy Saver mode or to switch the machine on when the ring binder door is open and the binding unit is disconnected. Doing so will affect initialization, causing the ring binder function to become unavailable (although other functions will be unaffected).**
 - **If you inadvertently do this, connect the ring binder's binding unit again, close the door, and then turn the power off and back on to restore normal operation.**
1. The system recovers from low energy mode, or is powered on, with the ring binder unit pulled out of the machine.
 2. The machine issues SC756-48 on the operation panel.
 3. The ring binder reset and the door was closed.
 4. When the ring binder function is selected for use, SC756-48 pops up on the operation panel.
 5. Wait for the current print job to end, and then cycle the main machine off/on.
 6. Does SC756-48 display again, even after cycling the machine off/on?

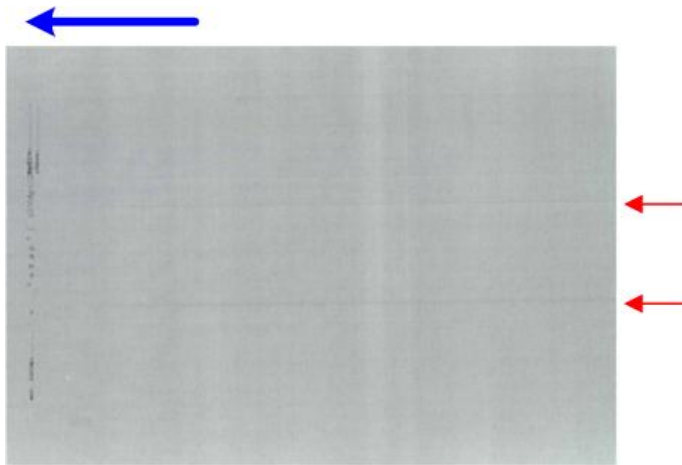
Yes	The Ring Binder is malfunctioning. The problem requires further investigation, so consult key operators.
No	Finished!

Peripherals 005: Vacuum Feed LCIT RT5100

Vertical Streaks when feeding thick (360g/m²) paper

Symptom

When feeding thick (360g/m²) paper from the Vacuum Feed LCIT, vertical streaks may appear 30mm to the left and right of the paper center in the case of halftone images.



w_d194z0738

Cause

Glossy streaks appear due to rubbing between 360gsm paper and the paper feed belt of the Vacuum Feed LCIT. When printing a halftone image on the glossy streaks, the image may appear abnormally dark.

Occurrence Conditions

The above problems are likely to occur under the following conditions:

- Printing in a high temperature, high humidity environment
- Printing halftone images

Action

1. Increase the amount of toner deposit.
2. Increase the value in SP3-620-202 and SP3-620-203 by one step at a time until vertical streaks are eliminated (Do not increase too high).
3. Execute SP3-011-002 (Manual ProCon: Exe: Density Adjustment).
4. Execute the toner refresh with the following SP.
 - SP3-062-001 (Manual Tnr Ref:Exe : KCMY)
 - SP3-062-002 (Manual Tnr Ref:Exe : CMY)

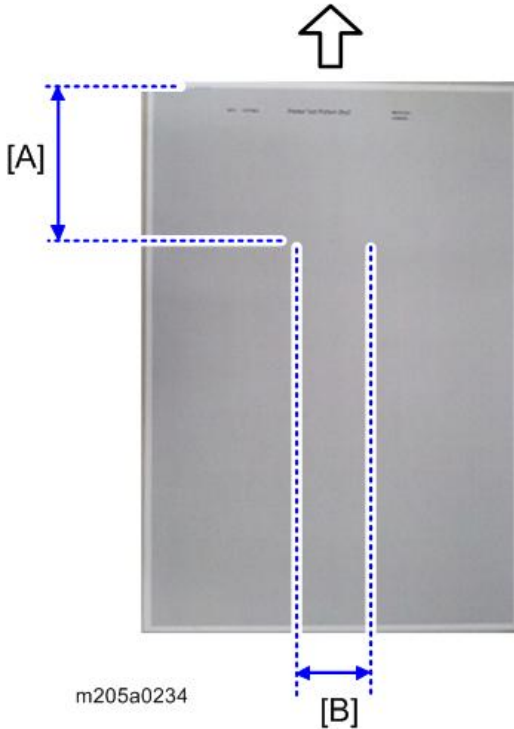
- SP3-062-003 (Manual Tnr Ref:Exe : K)
- SP3-062-004 (Manual Tnr Ref:Exe : C)
- SP3-062-005 (Manual Tnr Ref:Exe : M)
- SP3-062-006 (Manual Tnr Ref:Exe : Y)
- SP3-062-007 (Manual Tnr Ref:Exe : S)

Contact your supervisor if problems cannot be solved using the above measures.

Vertical Black Streaks

Symptom

- The vertical black streaks appear within the area [B] shown below.



[A]: The vertical black streaks do not appear within 110 mm from the leading edge of the paper.

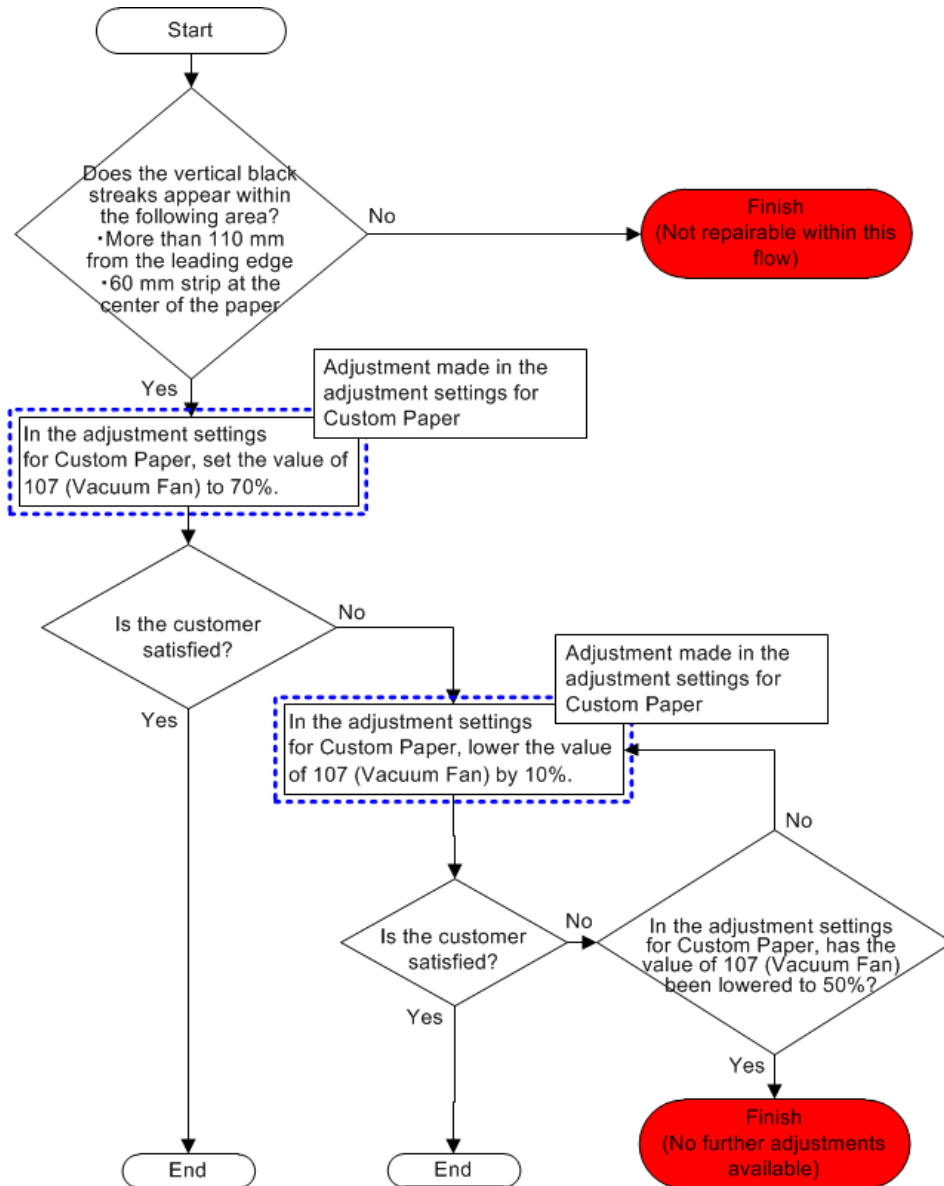
[B]: The vertical black streaks appear in a 60-mm wide strip at the center of the paper.

- The vertical black streaks appear on the first side of the printed paper.
- The vertical black streaks appear when creating a poster-size output by enlarging a single-page document to cover four sheets of paper using the poster function.
- The vertical black streaks stand out on the first printed paper.

Cause

The paper surface is scratched by the paper feed belt which is caused by the variation in the air volume of the suction fans and differences in quality between different lots of the paper. The black vertical streaks are formed at the scratched part of the paper surface.

Action

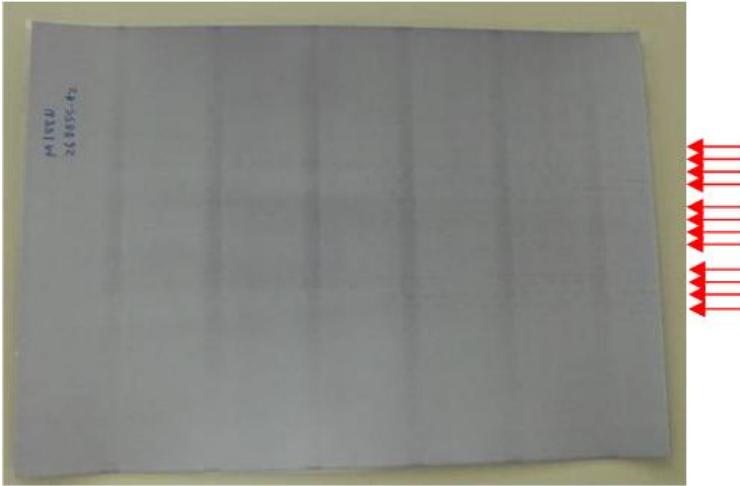


w_m205a4173

Vertical streaks when feeding transparent film

Symptom

When feeding 88gsm transparent film from the Vacuum Feed LCIT, vertical streaks may occur for solid images.



w_d194z0739

Cause

When feeding transparent film, the transparent film is charged with static electricity when it is pulled from the LCIT paper feed belt. Toner does not adhere to the charged area and vertical streaks appear at the **feed belt** position.

Occurrence Conditions

The second side of duplex printing is a halftone + solid image.

Action

Increase the paper transfer current value by 20 uA in SP2-651-055 (PTR Bias:FC: Transpar:Weight 5:Side1) and SP652-055 (PTR Bias:FC: Transpar:Weight 5:Side2).

Contact your supervisor if problems cannot be solved using the above measures.

Other Problems

Other 001: The waiting time is too long

Symptom

The waiting time is too long.

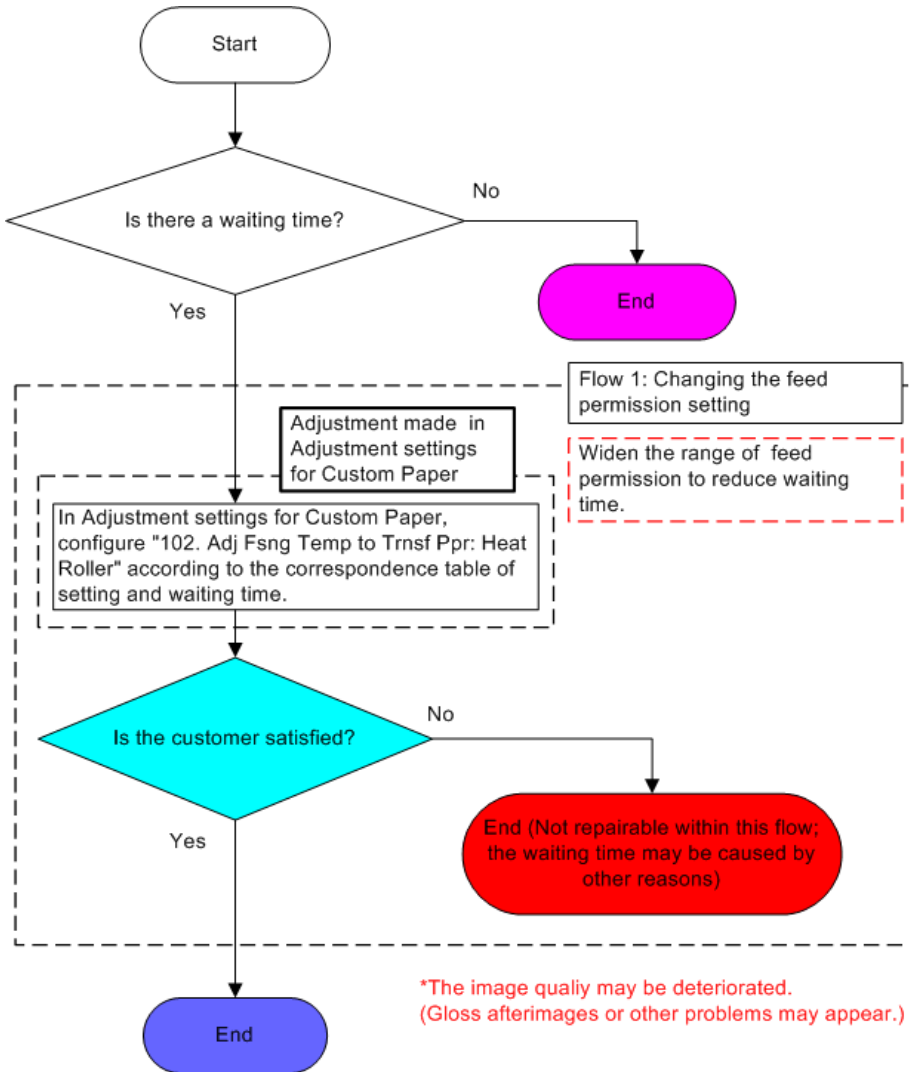
Cause

When the image quality setting is set to high-quality mode, the fusing temperature range for paper feed permission is narrowed with some types of paper. Because of this, the waiting time may become longer even if the same type of paper is fed.

Note

- The image quality may be lower (gloss afterimages etc).
- Especially when applied on thin paper, the paper may be easily curled, leading to feeding problems.

Action



w_m205a7026

Waiting time patterns

Permission pattern	Upper limit *1 (°C)	Lower limit *1 (°C)	Note
1	10	3	For customers who lay weight on image quality than waiting tim. (For using EP paper and printing high image quality)

Permission pattern	Upper limit *1 (°C)	Lower limit *1 (°C)	Note
2	5	5	For customers who lay weight on image quality than waiting tim. (For avoiding afterimages/ abnormal images/thin paper jams)
3	14	5	Default
4	20	5	For customers who lay weight on waiting time than image quality.
5	5	5	For customers who lay weight on image quality than waiting tim. (For avoiding afterimages/ abnormal images/thin paper jams)
6	30	5	For customers who lay weight on waiting time than image quality. (For printing text and line art images)
7	60	5	For customers who lay weight on waiting time than image quality. (For printing text and line art images)

*1: Upper limit temperature and lower limit temperature

When changing the paper type, machine needs to raise/lower the fusing temperature to the temperature which is defined for newly selected paper type (target temperature). If the machine needs to lower the fusing temperature, machine starts printing when the temperature reaches to target temperature+upper limit in order to reduce the waiting time. If the machine needs to raise the fusing temperature, machine starts printing when the temperature reaches to target temperature-lower limit in order to reduce the waiting time.

For example, when you change the paper type from thick paper which fusing temperature is 180°C to thin paper which fusing temperature is 150°C, the machine needs to lower the fusing temperature by 30°C. If the permission pattern is set to "1", upper limit is 10°C as shown on the table above. Therefore, the machine starts printing when the fusing temperature reaches to 160°C (150°C+10°C).

Other 002: SC

J098 occurs when printing on color paper or transparency

Symptom

J098 (over skew) occurs when using color paper or transparent/translucent media.

Cause

- The CIS failed to detect the edges in the main scan direction.
- The detection capability changes depending on the duration of CIS illumination.

About CIS illumination duration

CIS illumination duration can be changed with SP/Adjustment Settings for Custom Paper.

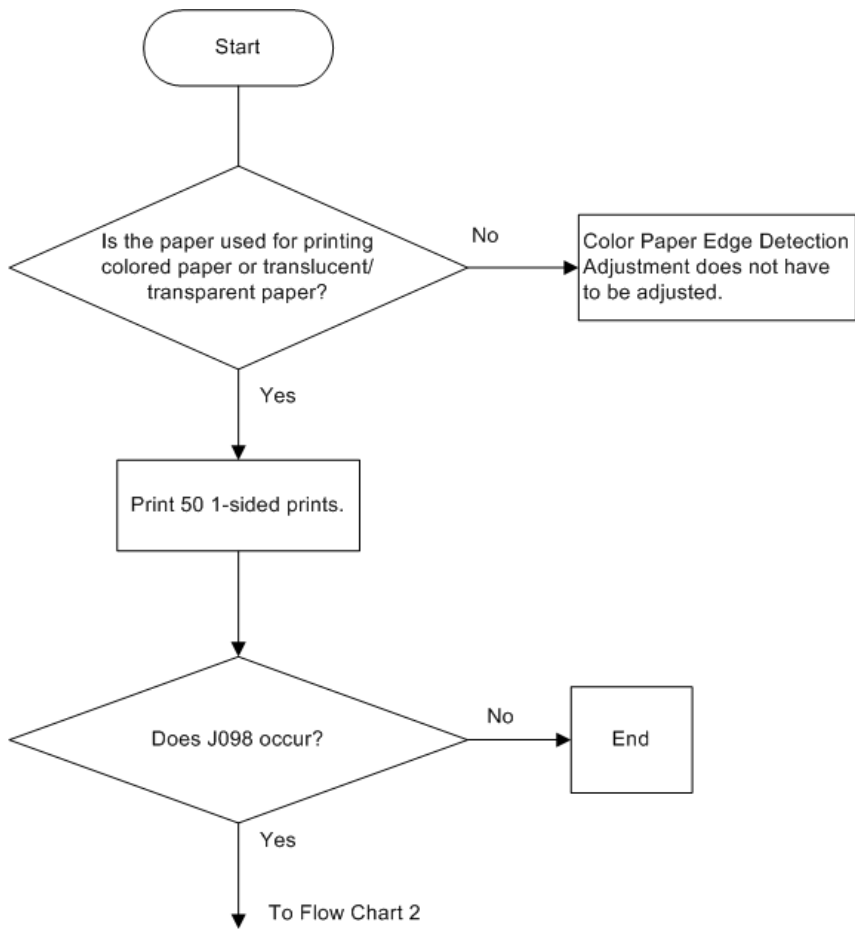
SP No.	SP Name	Value
SP1-910-001 to 009	Cis Mode Setting	0: Short Time 1: Long Time
SP1-916-001 to 003	CIS LED Power Magnification	1 to 25 (magnification)

Adjustment Settings for Custom Paper	Value
1 13. Illumination Mode for Color Paper Detection	0: Short Time 1: Long Time
1 14. Color Paper Edge Detection Adjustment	1 to 25 (magnification)

* The illumination duration in "Short Time" is 4ms, illumination duration in "Long Time" is 12ms.

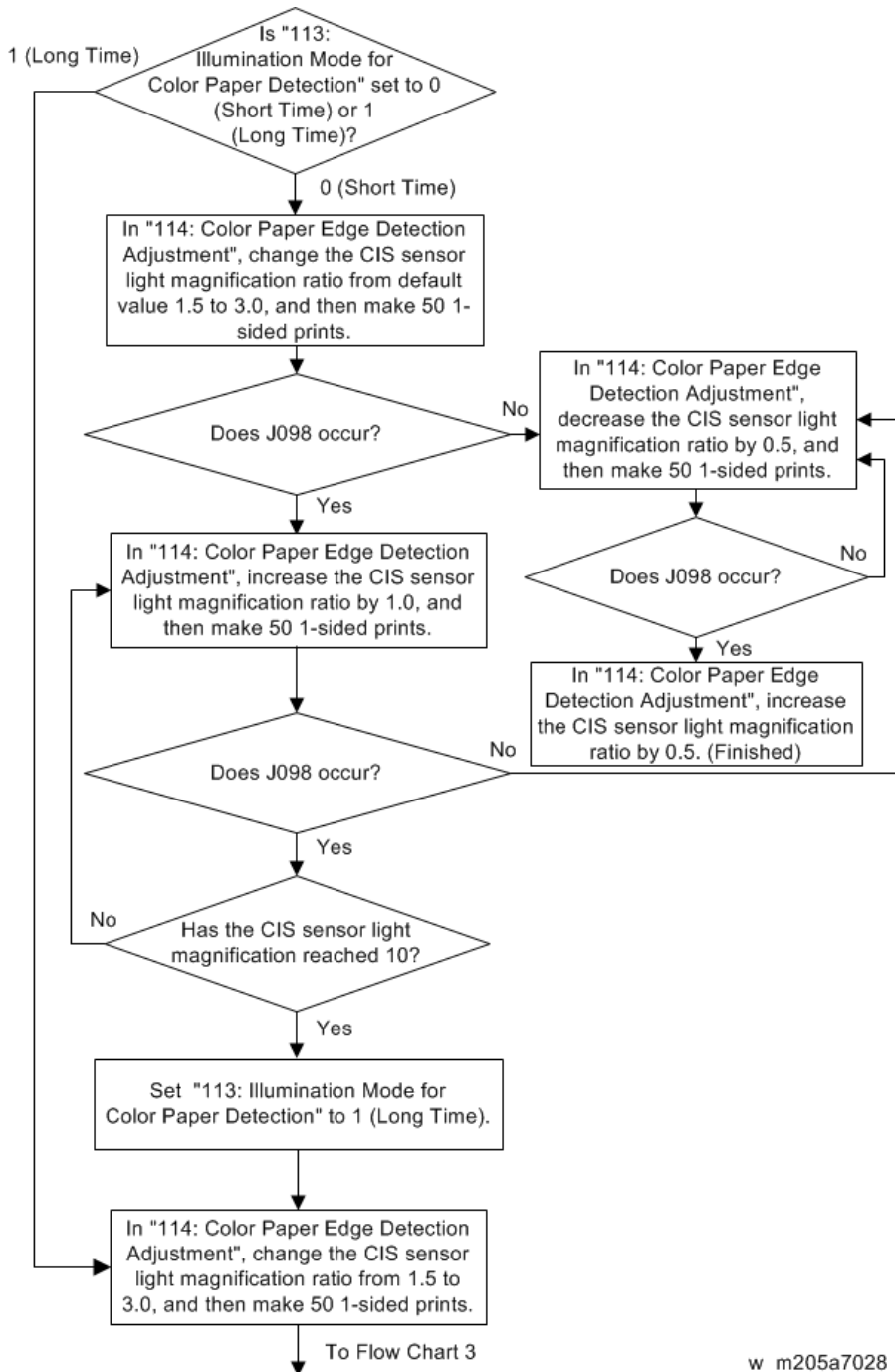
Adjustment flow charts

Flow Chart 1



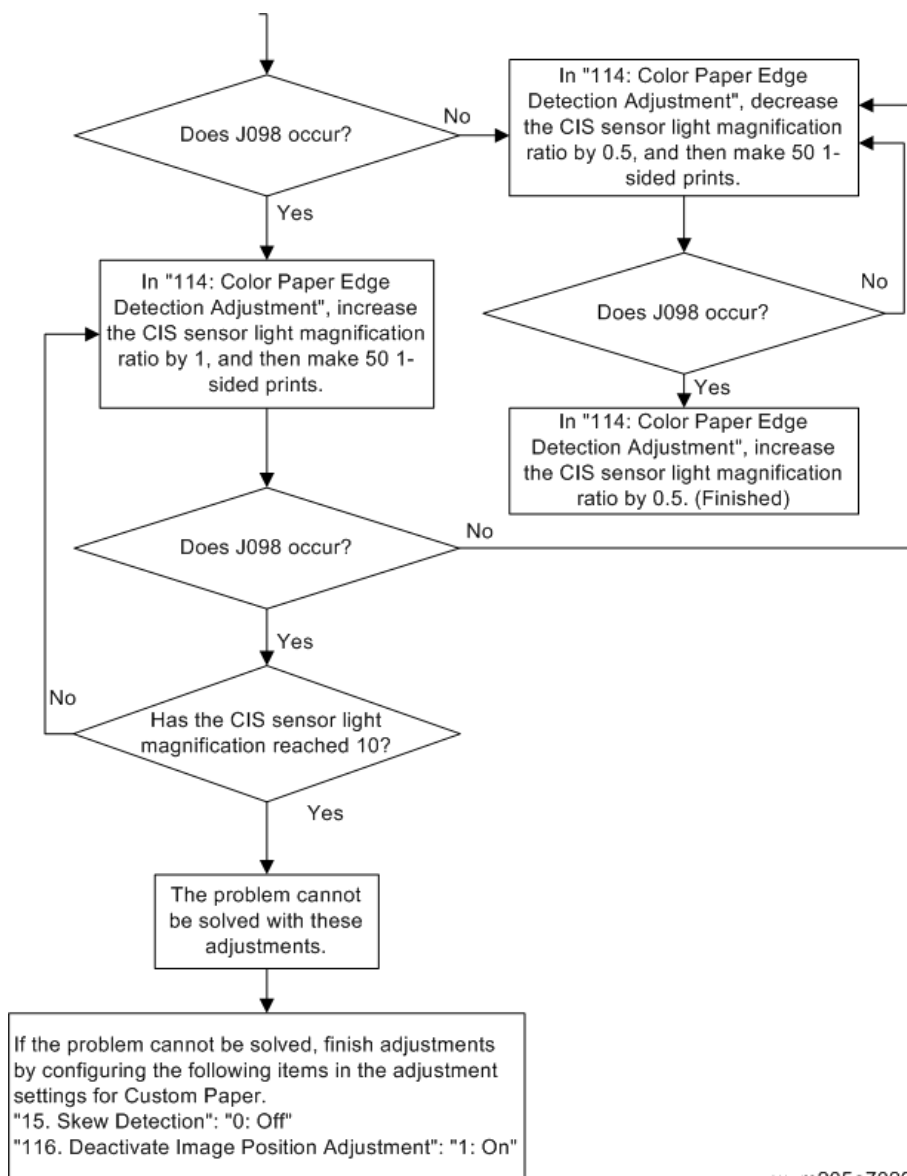
w_m205a7027

Flow Chart 2



w_m205a7028

Flow chart 3



w_m205a7029

Troubleshooting for J042/J090/J040

Symptom

Paper jam (J042/J090/J040) frequently occurs around the exit junction gate.

- Even when paper should be transported in straight-through mode (face-up delivery), the exit junction gate is upturned to transport paper to invert exit (face-down delivery).

- Even when paper should be transported in invert/exit mode (face-down delivery) or duplex mode, the exit junction gate is downturned to transport paper in straight-through mode (face-up delivery).

Main jam codes

Paper transportation mode	Jam code
Straight-through mode	J042 (Paper Exit Sensor Late Jam)
Invert/exit mode	J090 (Paper Exit Inverter Sensor Lag Jam)
Duplex mode	J040 (Paper Exit Inverter Sensor Late Jam)

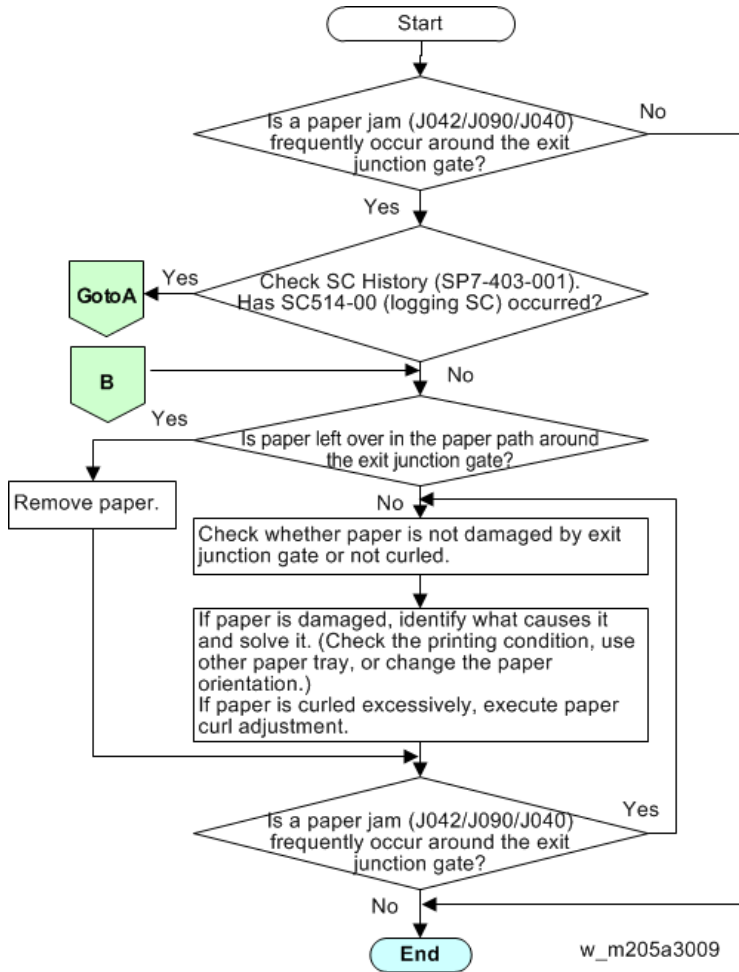
Cause

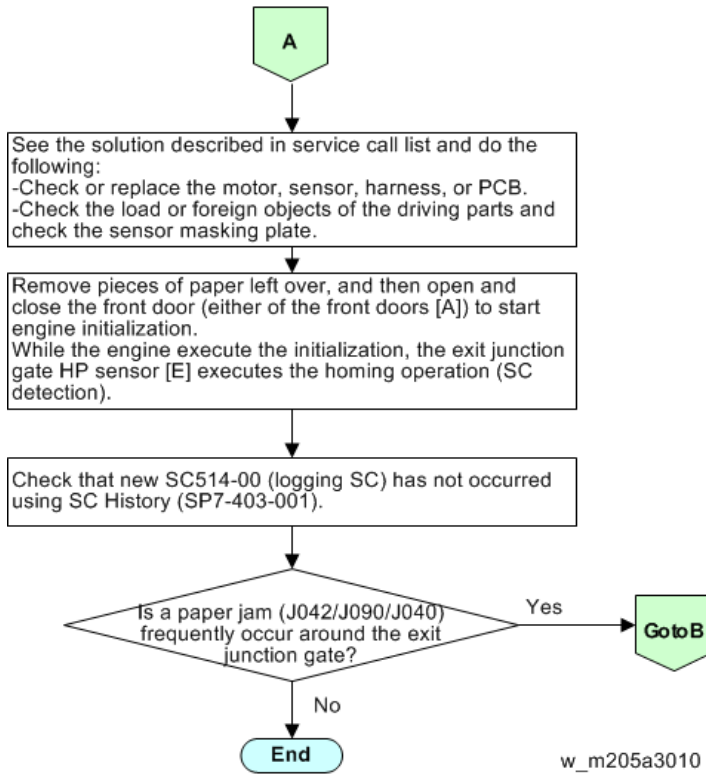
- Exit Junction Gate HP Error (SC514-00: logging SC) occurs.
 - Error condition of SC514-00
HP Sensor does not become ON after the STM is driven for 400 msec (in which it passes the HP twice).
 - Major cause of SC514-00
Contact Motor defective or disconnected.
HP sensor defective or disconnected.
Feeler damaged.
Overload caused by pieces of paper left over (narrowed stroke).
 - Paper is left over in the paper path around the exit junction gate.
 - Paper is damaged or gotten stuck in the exit junction gate due to excessive curl.

Action (Overview)

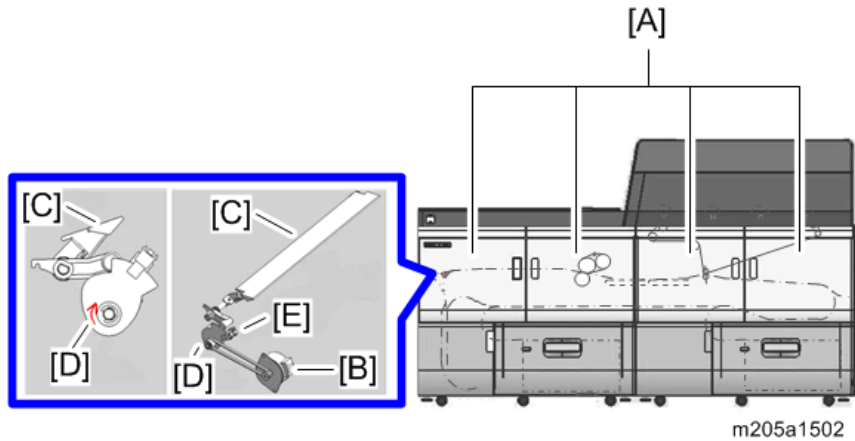
1. Check whether the Exit Junction Gate HP Error (SC514-00: logging SC) occurs and clear it.
2. Check the paper left over in the paper path around the exit junction gate and remove it.
3. Check whether paper is not damaged or curled.
 - If paper is damaged, identify what causes it and solve it. (Check the printing condition, use other paper tray, or change the paper orientation.)
 - If paper is curled excessively, execute paper curl adjustment.

Action (Detail)





Overview of front doors and around exit junction gate



- [A]: Front doors
- [B]: Exit junction gate motor
- [C]: Exit junction gate
- [D]: Cam
- [E]: Exit junction gate HP sensor

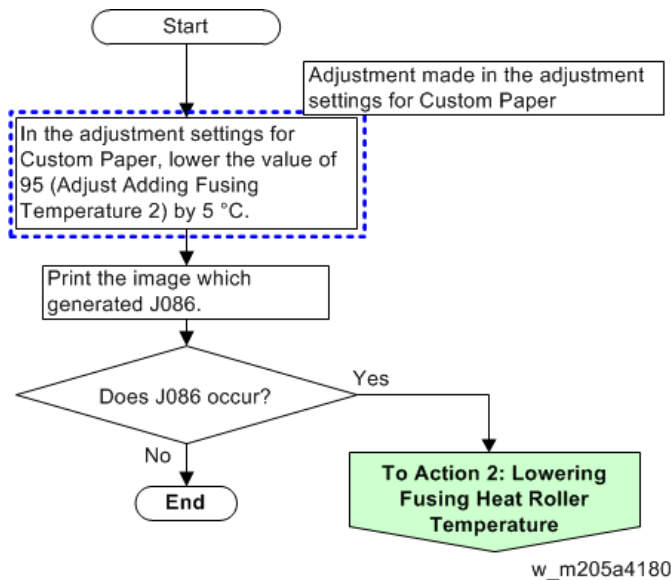
Troubleshooting for J086

Symptom

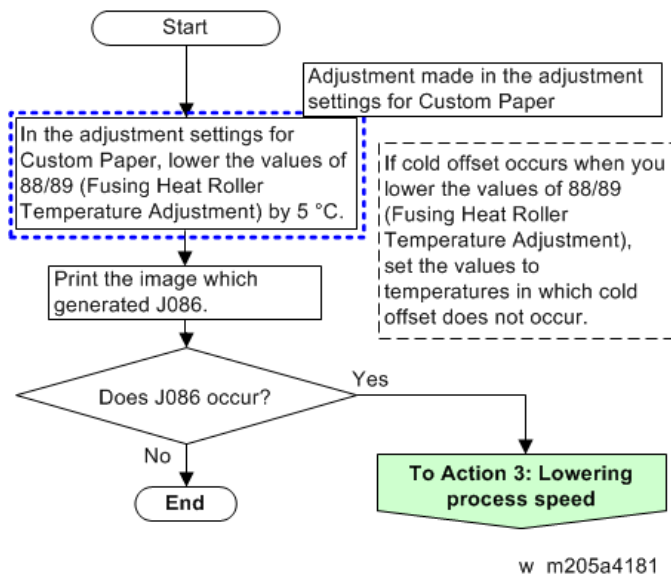
J086 (fusing exit stagnation) occurs when the fusing temperature is at the IMSS default value, which is specified for each paper brand, or at the machine default value, which is determined according to the paper thickness.

Action

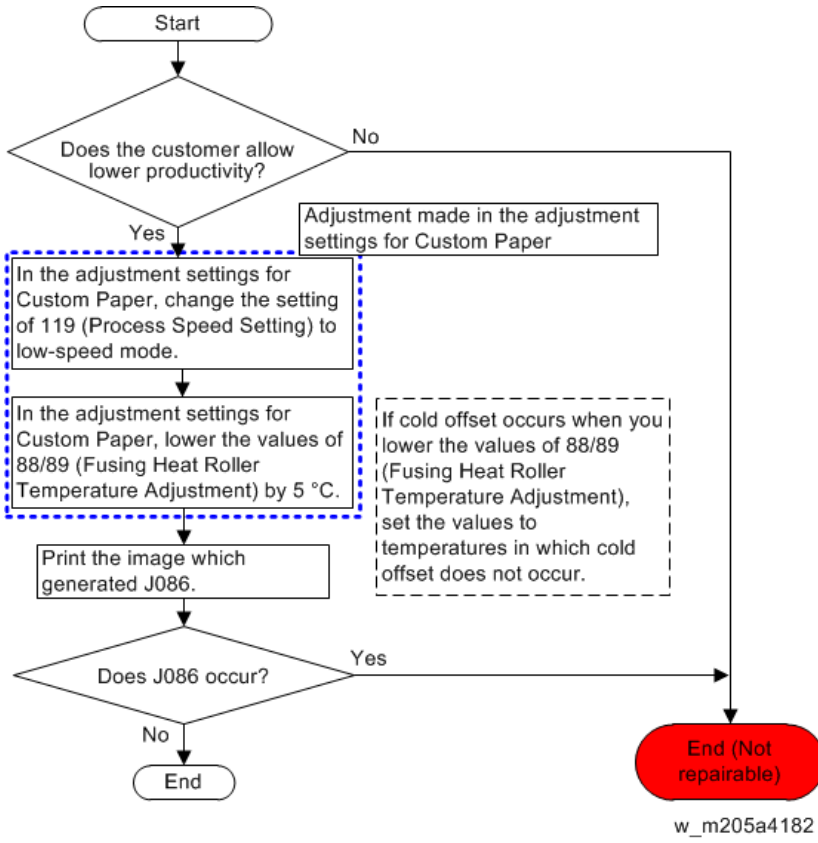
Action 1: Lowering the adding fusing temperature



Action 2: Lowering the fusing heat roller temperature



Action 3: Lowering the process speed

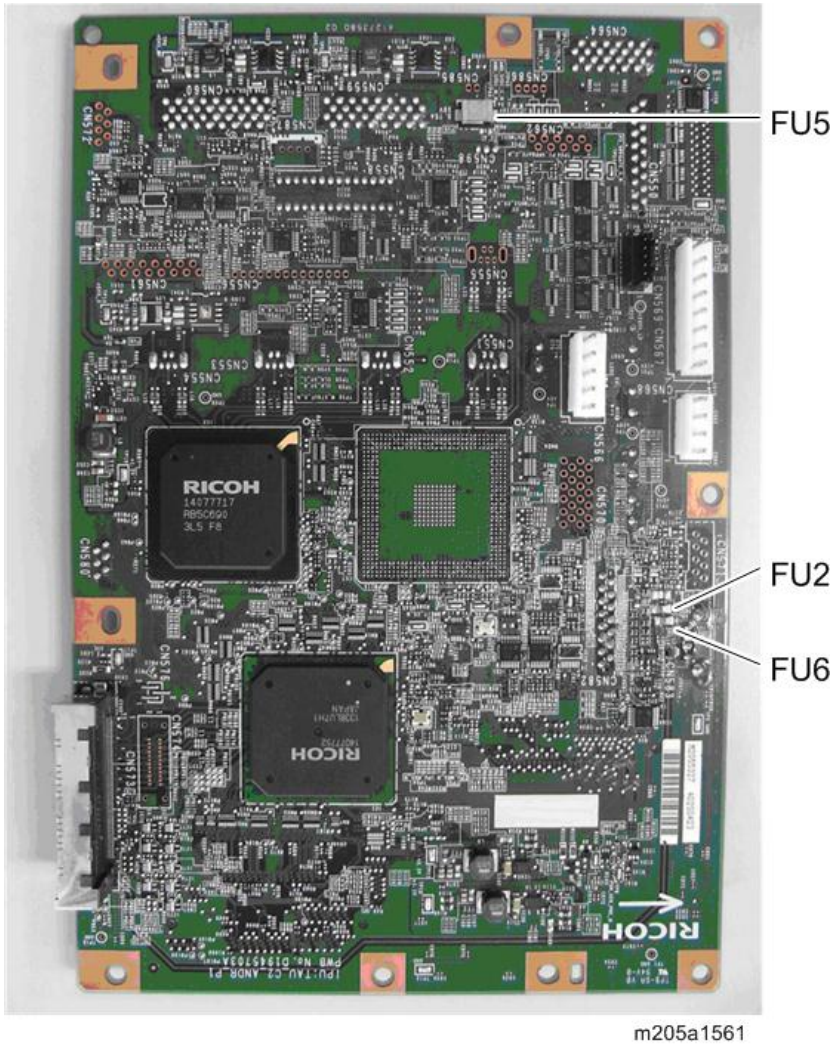


Blown Fuse Conditions

IPU (M2055327)

Front side

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU2	11071302	5V	Operation unit	Replace the board.
FU5	11090016	24	Operation call light	Turn the main power off and on.
FU6	11071118	5V	USB (on the operation unit)	Replace the board.



Back side

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU3	11071127	5V	PEACE	Replace the board.



FU3

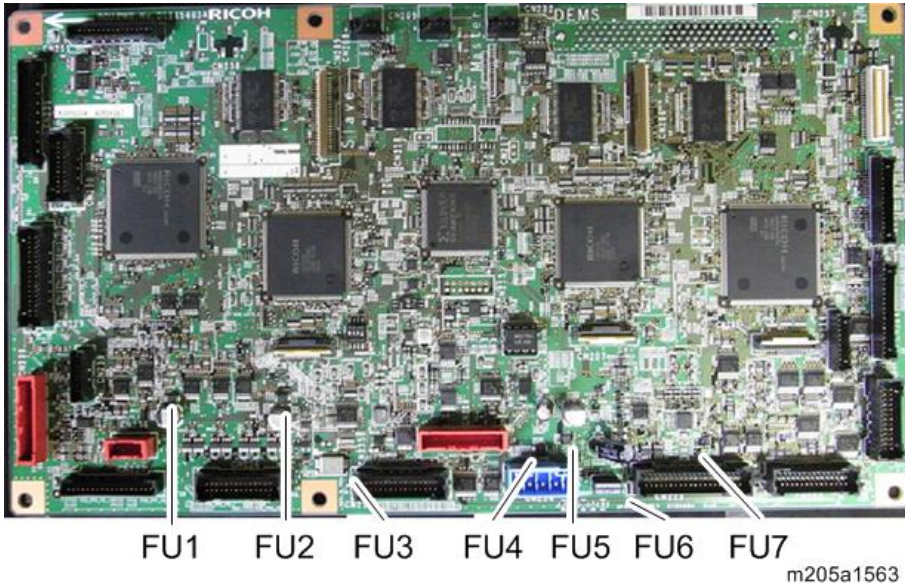
6

m205a1562

BCU (M2055334)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071233	24V	Skew Motor (K/C)	<ol style="list-style-type: none"> 1. Check and reconnect the harnesses between the laser unit and the IOB. 2. Replace the laser unit. 3. Replace the IOB. 4. Replace the harnesses. 5. Replace the BCU.
FU2	11071233	24V	Skew Motor (M/Y)	<ol style="list-style-type: none"> 1. Check and reconnect the harnesses between the laser unit and the IOB. 2. Replace the laser unit. 3. Replace the IOB. 4. Replace the harnesses. 5. Replace the BCU.
FU3	11090016	24V	Not used	-
FU4	11071107	5V	BCU	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the BCU. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU5	11071234	24V	PCL_YMCK	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the 24V power supply connectors between PSU3 and the BCU. 3. Check and fix harness grounding fault. 4. Replace the BCU. 5. Replace the defective component.
FU6	11071110	5V	HVPP_CGB (K/C/M/Y)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Reconnect the 24VS connector on the BCU board. 3. Check and fix harness grounding fault. 4. Replace the BCU. 5. Replace the defective component. 6. Replace the PSU 3 power supply.
FU7	11090007	24V	HST sensor	<ul style="list-style-type: none"> • Re-install the PCU. • Replace the HST sensor. • Fix the harnesses. • Replace the BCU. • Replace the IOB.



6

IOB 1 (M2055329)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071110	24V	Separation Fan (Tray 1) Float Fan (Tray1) Suction Fan 1 (Tray 1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU2	11071110	24V	Separation Front/Rear Fan (Tray 1) Suction Fan 2 (Tray 1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU3	11071228	24V	Paper Feed Motor (Tray 1) Paper Transport Motor (Tray 1) Tray Lift Motor (Tray 1)	<ol style="list-style-type: none"> 1. Reconnect the "CN362" connector on the IOB 1. 2. Check and fix harness grounding fault. 3. Replace the IOB 1. 4. Replace the defective component.
FU4	11071228	24V	PTR Timing Motor Registration Timing Motor Shift Roller Motor	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU5	11071228	24V	Rotary Gate Motor PTR Motor Registration Cooling Fan CIS Cleaning Fan ID Sensor Cleaning Fan CIS1/CIS2 URTB/URRB (Double-Feed Sensor)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU6	11071229	24V	Vertical Transport Motor (Tray 1) Paper Transport Motor 4-7	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU7	11071262	24V	Separate Solenoid Front/Rear (Tray 1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

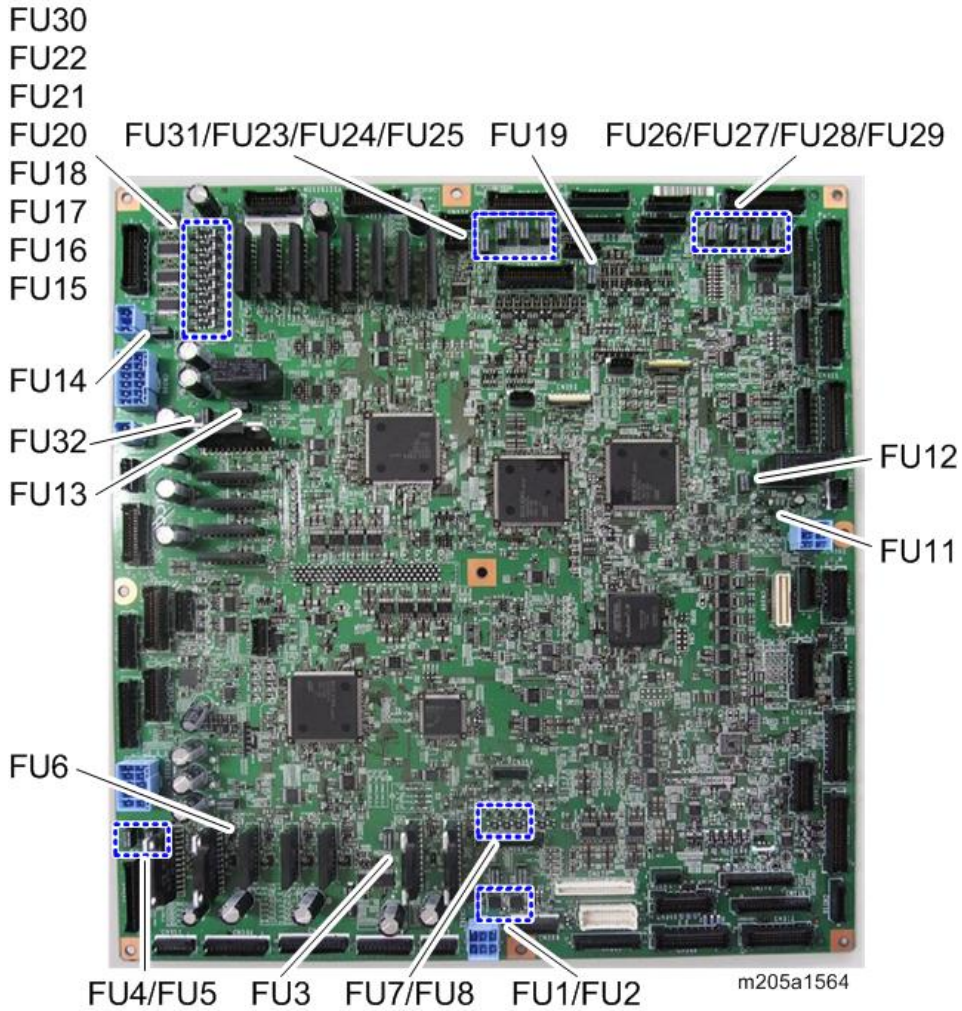
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU8	11071262	24V	Float Solenoid (Tray 1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU11	11090042	5V	DRB, Sensors	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1 or DRB.
FU12	11071228	5V	IOB 1	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU13	11071229	24V	ITB Cleaning HVP 1-6 Drum Cleaning HVP (K/ CMY) Charger Cleaning Motor (K/C/M/Y) ITB Cleaning Motor PTB Motor 1 PTB Fan 1-4, 9-10 PTR Timing Motor Cooling Fan Registration Timing Motor Fan Waste Toner Collection Fan	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU14	11071228	24V	Toner Supply Motor (K/C/M/Y) Toner Agitator Motor (K/C/M/Y) Toner Bottle Open Motor (K1/K2/C1/C2/M1/M2/Y1/Y2) Toner Bottle Motor (K1/K2/C1/C2/M1/M2/Y1/Y2) PSU Fan 1-6 Controller Fan 1-4	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU15	11071233	24V	Toner Bottle Motor (C2)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU16	11071233	24V	Toner Bottle Motor (C1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU17	11071233	24V	Toner Bottle Motor (M2)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU18	11071233	24V	Toner Bottle Motor (M1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU19	11071229	24V	Waste Toner Transport Motor (Upper/Lower) Charger Entrance Fan (K/C/M/Y) Laser Unit Cooling Fan Registration Exhaust Fan PSU Exhaust Fan	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU20	11071233	24V	Toner Bottle Motor (Y2)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU21	11071233	24V	Toner Bottle Motor (Y1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU22	11071233	24V	Toner Bottle Motor (K2)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU23	11071229	24V	Development Unit Cooling Fan (M/Y)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU24	11071229	24V	Ozone Exhaust Fan (M/Y)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU25	11071229	24V	Development Unit Cooling Fan (K/C)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU26	11071228	24V	Development Motor (C)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU27	11071228	24V	Development Motor (M)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU28	11071228	24V	Development Motor (Y)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU29	11071228	24V	Development Motor (K)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU30	11071233	24V	Toner Bottle Motor (K1)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU31	11071229	24V	Ozone Exhaust Fan (K/C)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.
FU32	11071228	24V	Potential Sensor PTR Pressure Motor Paper Transport Motor Fan (Tray 1) Vertical Transport Motor Fan (Tray 1) Paper Transfer HVP (AC) Paper Transfer HVP	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 1. 3. Replace the defective component.



IOB 2 (M2055335)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071262	24V	Not used	-

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU2	11071229	24V	Pressure Roller Intake Fan 1-2	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 8.
FU3	11071229	24V	Press Roller Lift Motor Fusing Refresh Roller Motor Fusing Refresh Roller Contact Motor Paper Cooling Belt Motor Belt Centering Roller Motor	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 8.
FU4	11071229	24V	PTB Motor 2 PTB Fan 5-8, 11, 12 Cleaning Web Contact Motor Pressure Roller Intake Fan 3	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 8.
FU5	11071262	24V	Fusing Web Motor	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 8.

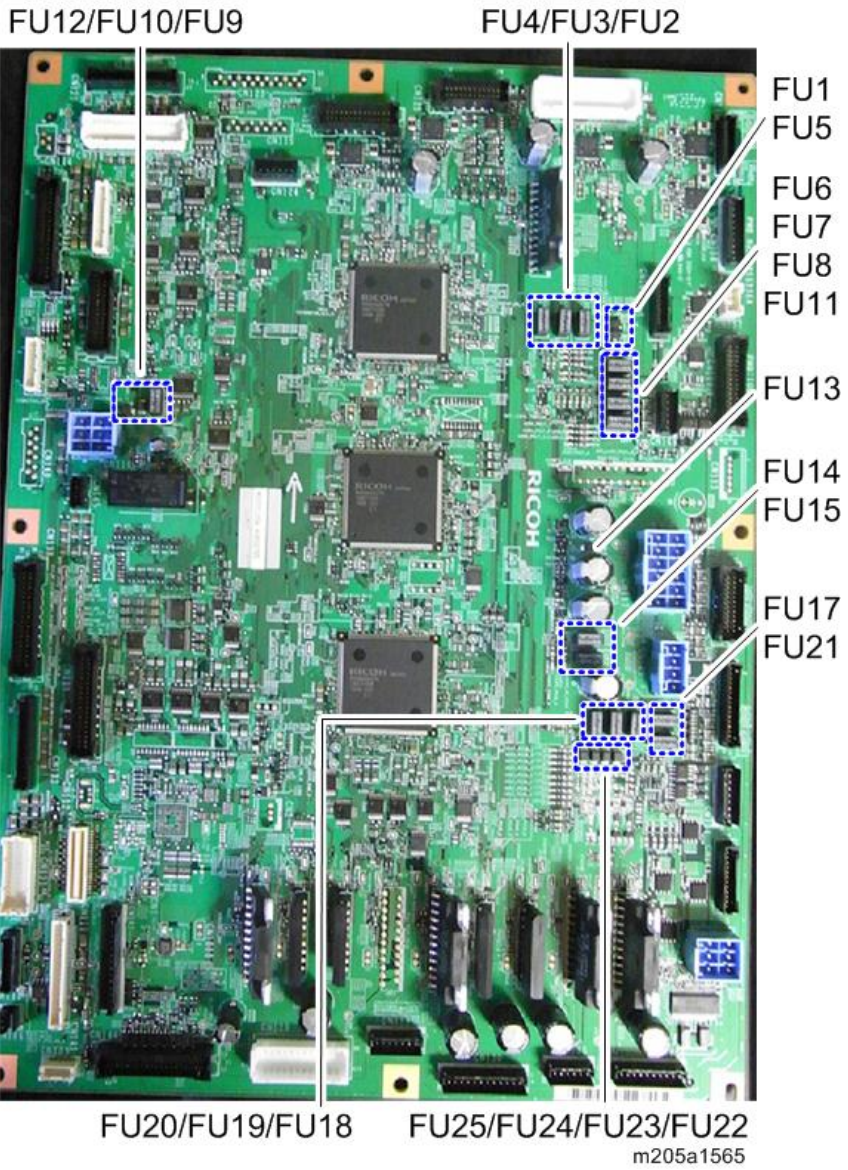
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU6	11071229	24V	Paper Cooling Belt Fan 1-6	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 7.
FU7	11071229	24V	Paper Coolant Pump	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 7.
FU8	11071229	24V	Paper Cooling Belt Fan 7-8	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 7.
FU9	11071228	5V	IOB 2	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. 2. Replace the IOB 2. 3. Replace the defective component.
FU10	11071234	5V	Pressure Roller Thermopile (Center) Pressure Roller Thermopile (Edge)	-

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU11	11071229	24V	Fan (spare)	-
FU12	11071234	5V	AC Drive Board	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix the defective grounding of harnesses between the IOB2 and AC drive board. 3. Replace the IOB 2 or AC drive board. 4. Replace the PSU 2 power supply.
FU13	11071233	24V	AC Drive Board	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the AC drive board. 5. Replace the PSU 8.
FU14	11071229	24V	Vertical Transport Motor Fan (Tray 2) Duplex Transport Motor 1-2 Paper Transport Motor 1	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 6.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU15	11071229	24V	Paper Transport Motor 2 Vertical Transport Motor (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 6.
FU17	11071229	24V	Anti-condensation Fan Exhaust Fan 5-7 PSU Fan 7-10 Paper Exit Inverter Motor Fan Pressure Roller Exhaust Fan De-curler Motor Cooling Fan	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.
FU18	11071229	24V	Float Fan (Tray 2) Separation Fan (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU19	11071229	24V	Separation Front/Rear Fan (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.
FU20	11071229	24V	Paper Feed Motor (Tray 2) Tray Lift Motor (Tray 2) Paper Transport Motor (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.
FU21	11071229	24V	Suction Fan 1-2 (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.

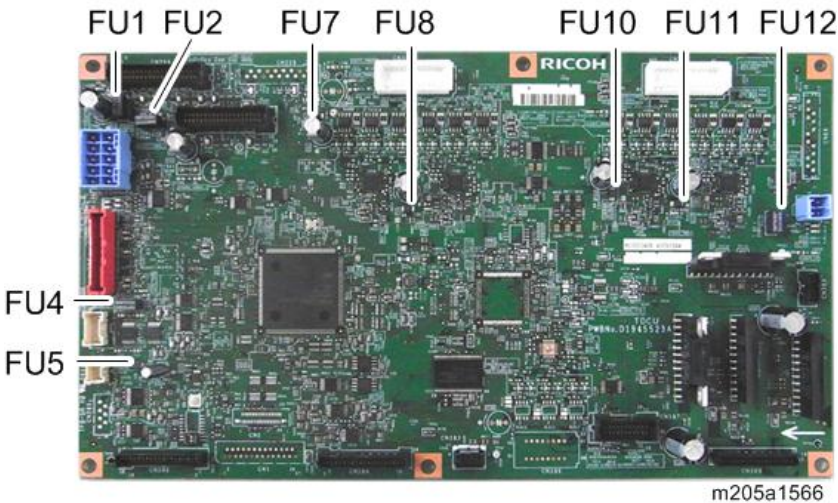
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU22	11071262	24V	Separate Solenoid Front/Rear (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.
FU23	11071262	24V	Float Solenoid (Tray 2)	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Check and fix harness grounding fault. 3. Replace the IOB 2. 4. Replace the defective component. 5. Replace the PSU 9 power supply.
FU24	11071262	24V	Not used	-
FU25	11071262	24V	Not used	-



TDCU (M2055340)

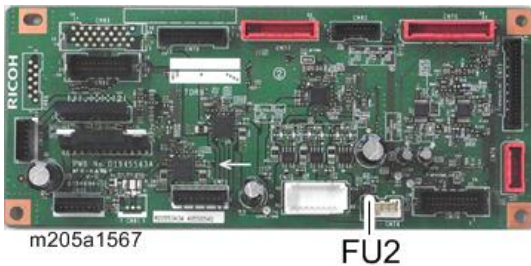
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU5	11071107	5V	TDRB Power source of each IC	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU or the TDRB.
FU4	11071229	24VS	TDRB (ITB Color Lift Motor) (ITB Black Lift Motor) (PTR Lift Motor) (ITB Belt Centering Sensor) (Image Transfer/Paper Transfer Power Pack)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU or the TDRB.
FU12	11071229	24VS	Registration Roller Lift Motor 1-2 Registration Entrance Motor 1-2	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.
FU1	11071229	24VS	Drum Cleaning Motor (M/Y)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.
FU2	11071229	24VS	Drum Cleaning Motor (K/C)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU11	11071107	24VS	Drum Motor (Y)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.
FU10	11071107	24VS	Drum Motor (M)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.
FU8	11071107	24VS	Drum Motor (C)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.
FU7	11071107	24VS	Drum Motor (K)	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDCU. • Replace the defective component.



TDRB (M2055343)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU2	11071107	24VS	ITB Motor	<ul style="list-style-type: none"> • Check and fix harness grounding fault. • Replace the TDRB. • Replace the defective component.



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DRB (M2055325)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11090092	24V	URTB (Double-Feed Sensor)	<ol style="list-style-type: none"> 1. Check and fix harness grounding fault. (The polyswitch recovers automatically when you turn the power off/on.)

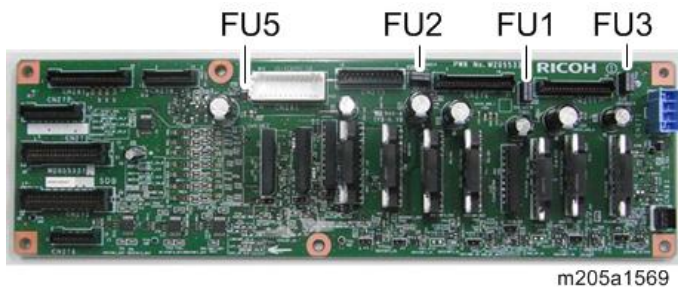
FU1



SDB (M2055337)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071229	24V	De-curler Transport Motor 2 Inverter Entrance Motor Duplex Inverter Motor	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Replace the SDB. 3. Check and fix harness grounding fault. 4. Replace the defective component. 5. Replace the PSU 6 power supply.
FU2	11071229	24V	De-curler Unit Motor 1-2 Paper Exit Inverter Roller Contact Motor Duplex Inverter Roller Contact Motor Exit Junction Gate Motor Switchback Junction Gate Solenoid	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Replace the SDB. 3. Check and fix harness grounding fault. 4. Replace the defective component. 5. Replace the PSU 6 power supply.
FU3	11071229	24V	De-curler Transport Motor 1 Paper Exit Motor Paper Exit Inverter Motor	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Replace the SDB. 3. Check and fix harness grounding fault. 4. Replace the defective component. 5. Replace the PSU 6 power supply.

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU5	11071262	24V	Switchback Junction Gate Solenoid	<ol style="list-style-type: none"> 1. Turn the main power off and on. 2. Replace the SDB. 3. Check and fix harness grounding fault. 4. Replace the defective component. 5. Replace the PSU 6 power supply.

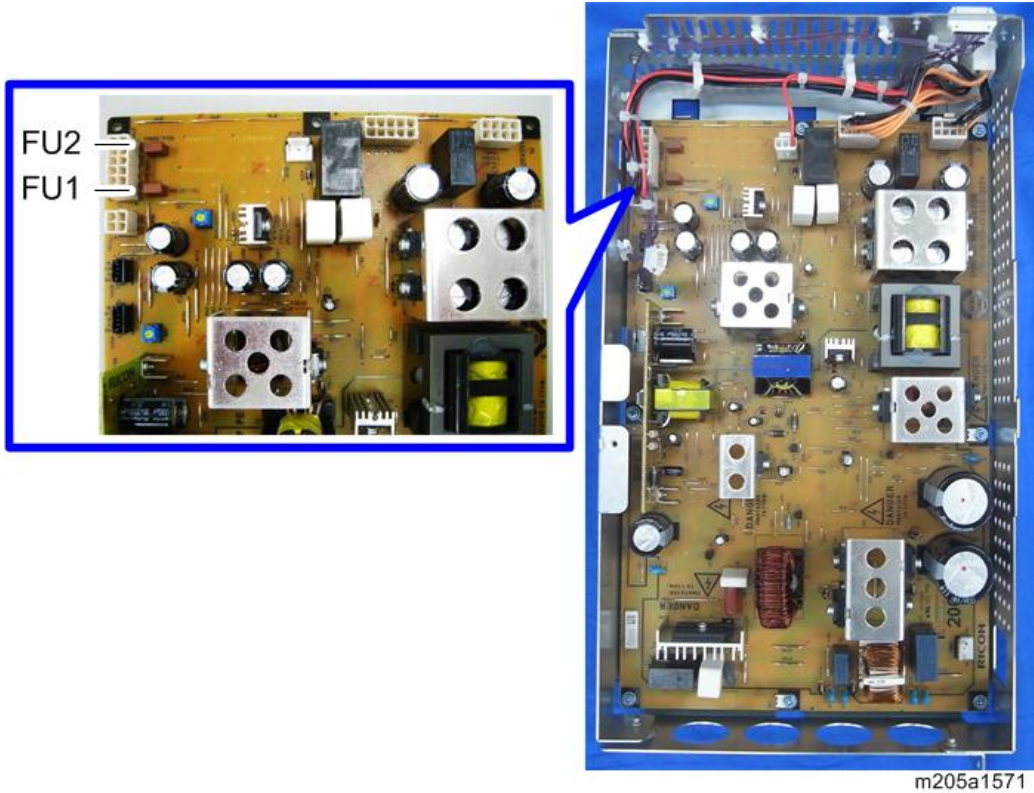


PSU

PSU 1/PSU 4/PSU 6/PSU 8 (AZ240265)

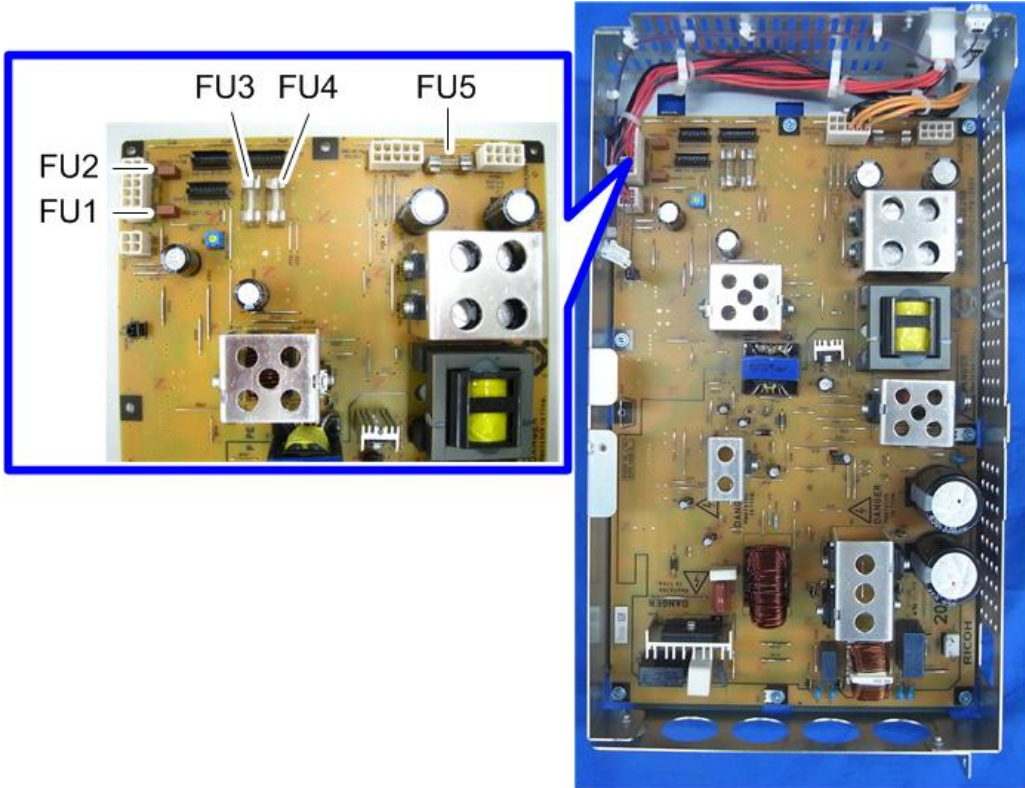
PSU name	FUSE	Fuse part number	Output	Reason for Overcurrent	Action
PSU 1	FU1	11071351	5V	Nothing	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	
PSU 4	FU1	11071351	5V	NRYF 1	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	
PSU 6	FU1	11071351	5V	NRFY 3	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	

PSU name	FUSE	Fuse part number	Output	Reason for Overcurrent	Action
PSU 8	FU1	11071351	5V	NRFY 4	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	



PSU 2/PSU 5/PSU 7/PSU 9 (AZ240263)

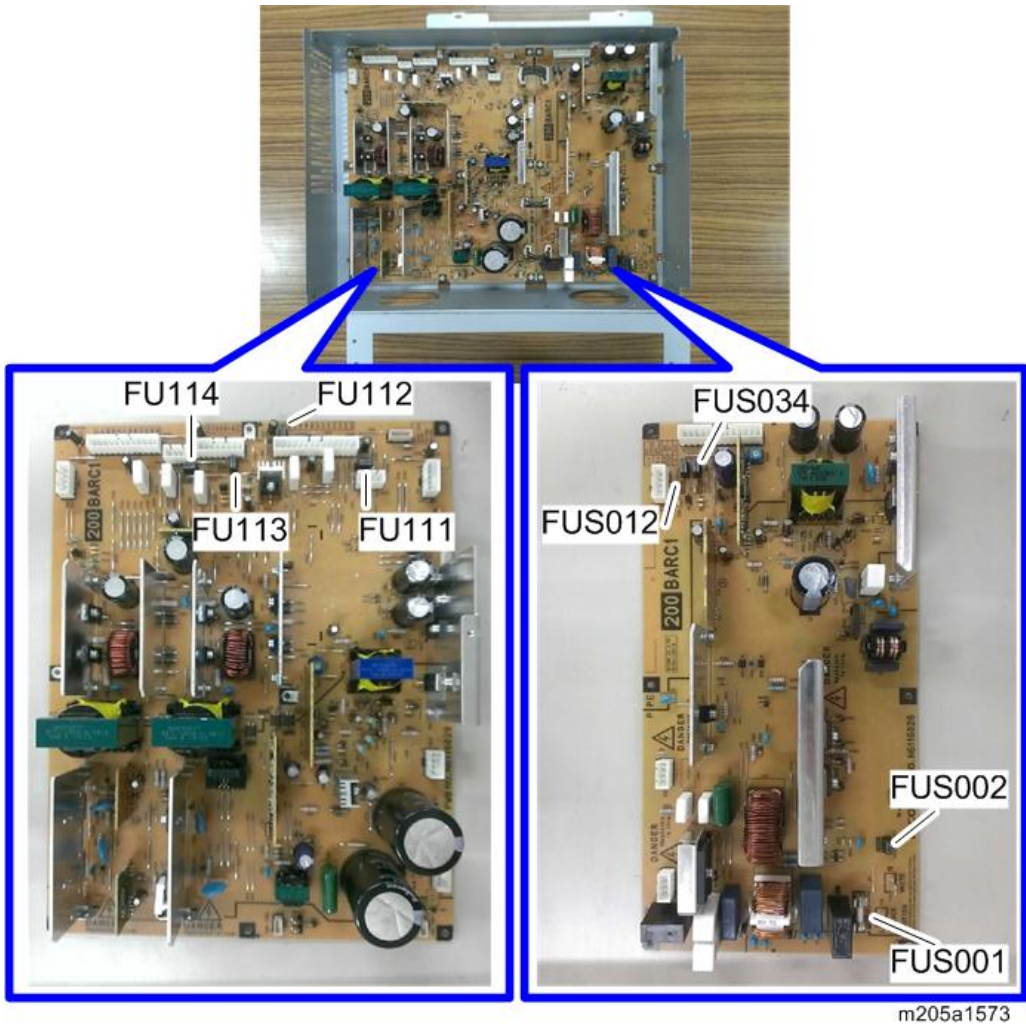
PSU name	FUSE	Fuse part number	Output	Reason for Overcurrent	Action
PSU 2	FU1	11071351	5V	IOB2 Interlock switches (right/left front doors on the fusing section)	Replace the PSU or harnesses.
	FU2	11071351	5V	BCU TDCU Interlock switches (upper front cover, right/left front doors on the imaging section)	
	FU3/4/5	11071216	24V	Nothing	
PSU 5	FU1	11071351	5V	NRYF 1	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	
	FU3/4/5	11071216	24V	Nothing	
PSU 7	FU1	11071351	5V	NRFY 3	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	
	FU3/4/5	11071216	24V	Nothing	
PSU 9	FU1	11071351	5V	NRFY 4	Replace the PSU or harnesses.
	FU2	11071351	5V	Nothing	
	FU3/4/5	11071216	24V	Nothing	



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PSU3 (AZ250061)

PSU name	FUSE	Fuse part number	Output	Reason for Overcurrent	Action
PSU3	FUS001	11071166	200V	IC	Replace the PSU or harnesses.
	FUS002	11071226	200V	IC	
	FUS012	11071351	5V	5V supply on the IPU	
	FUS034	11071351	5V	Nothing	
	FU111	11071351	5V	Nothing	
	FU112	11071351	5V	Nothing	
	FU113	11071351	5V	Nothing	
	FU114	11071351	5V	NRYF2	



7. Energy Saving

Energy Save

Energy Save

If the Energy Saver button is pressed during machine operation

Previous models:

The job in progress is cancelled and the machine switches to Energy Saver mode immediately.

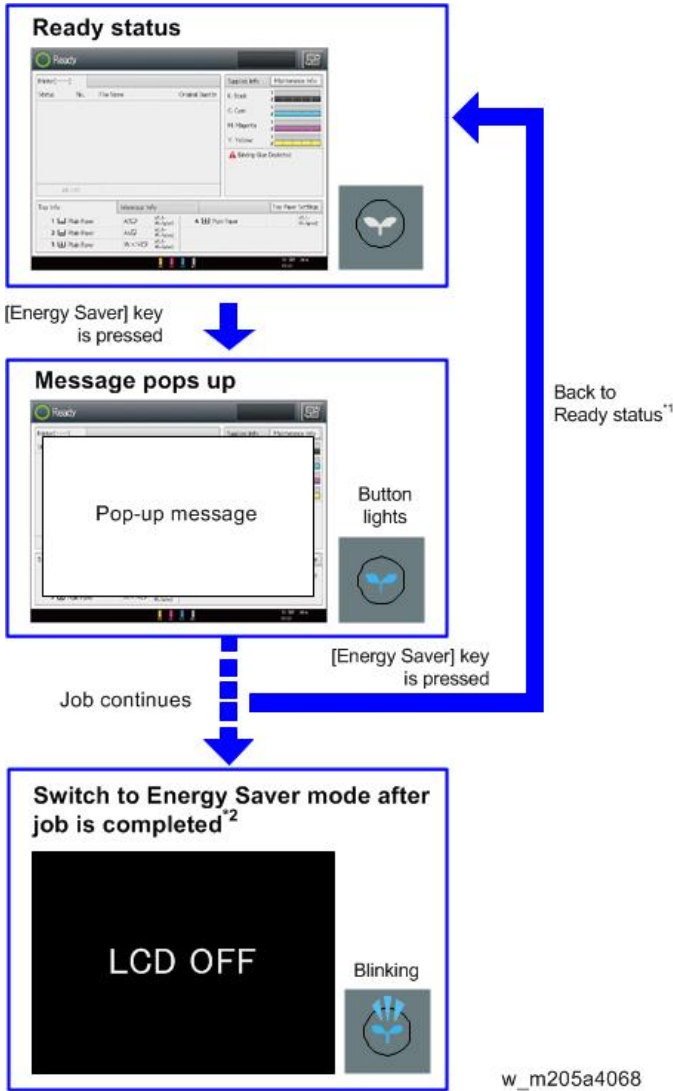
This model:

The following sequence is followed.

1. The [Energy Saver] key lights up and a pop-up message is displayed informing the user that the machine will switch to Energy Saver mode as soon as the current job is completed. The job continues until the end.
2. When the job has been completed, the machine enters Energy Saver mode.

Note

- If the [Energy Saver] key is pressed again during the job, the machine returns to the Ready condition.



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* 1: The machine return to ready status by doing one of the following,

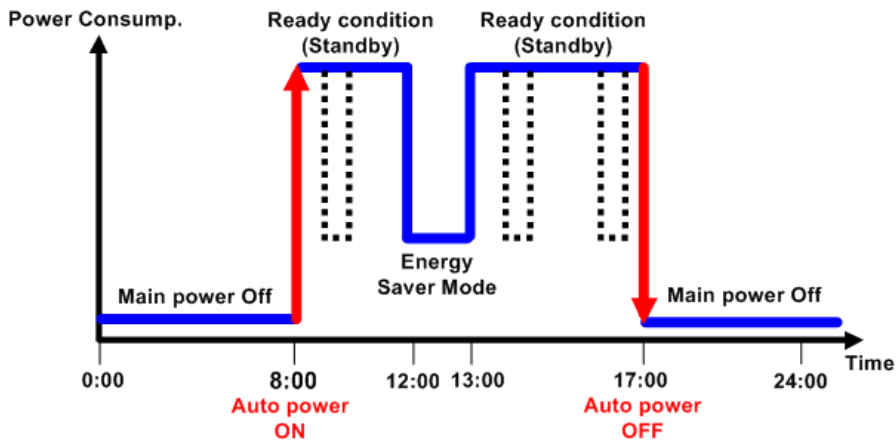
- Pull out the paper trays
- Touch the display panel or press one of the keys on the control panel

* 2: Recovering from the Energy Saver mode is the same. Do one of the following.

- Press the [Energy Saver] key
- Press the [Check Status] key

Energy Saver 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

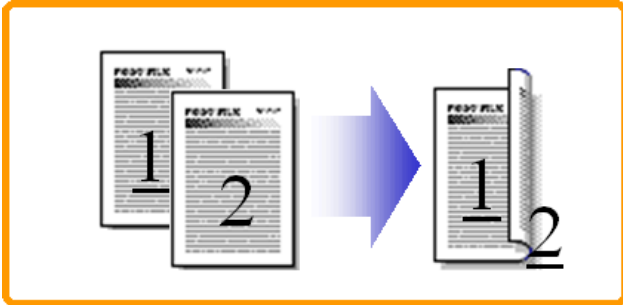
- You can set the energy saver timer setting on "Weekly Timer" in "Timer Settings" menu under "System Settings".

Paper Save

Effectiveness of Duplex/Combine Function

Duplexing and the combine functions reduce the amount of paper used. This means that less energy overall is used for paper production, which improves the environment.

1. Duplex:

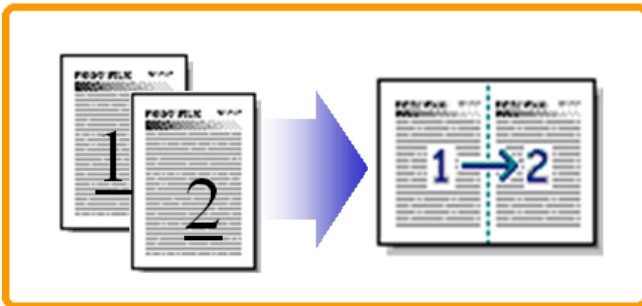


d1351966

Reduce paper volume in half!

7

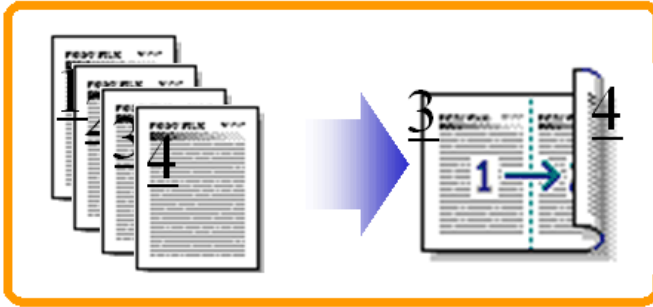
2. Combine mode:



d1351967

Reduce paper volume in half!

3. Duplex + Combine:



d1351968

Using both features together can further reduce paper volume by 3/4!

To check the paper consumption, look at the total counter and the duplex counter.

The total counter counts all pages printed.

- For one duplex page, the total counter goes up by 2.
- For a duplex job of a three-page original, the total counter goes up by 3.
- The duplex counter counts pages that have images on both sides.
- For one duplex page, the duplex counter goes up by 1.
- For a duplex job of a three-page original, the duplex counter will only increase by 1, even though two sheets are used.

7

Paper Savings and Counter

- Total counter: SP 8581-001
- Duplex counter: SP 8411-001
- Single-sided with combine mode: SP 8421-004
- Duplex with combine mode: SP 8421-005

The following table shows paper savings and how the counters increase for some simple examples of single-sided and duplex jobs.

Duplex mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	0	1	0
2	2	1	1	2	1

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
3	3	2	1	3	1
4	4	2	2	4	2
5	5	3	2	5	2
10	10	5	5	10	5
20	20	10	10	20	10

If combine mode is used, the total and duplex counters work in the same way as explained previously. The following table shows paper savings and how the counters increase for some simple examples of duplex/combine jobs.

2 in 1 mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	0	1	1
2	2	1	1	1	1
3	3	2	1	2	2
4	4	2	2	2	2
5	5	3	2	3	2
10	10	5	5	5	5
20	20	10	10	10	10

Duplex + 2 in 1 mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	0	1	1
2	2	1	1	1	1

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
3	3	1	2	2	2
4	4	1	3	2	2
5	5	2	3	3	3
6	6	2	4	3	3
7	7	2	5	4	4
8	8	2	6	4	4
9	9	3	6	5	5
10	10	3	7	5	5
11	11	3	8	6	6
12	12	3	9	6	6

MEMO

MEMO

MEMO

**Model Andromeda-P1
Machine Code: M205/M238
Appendices**

June, 2015
(V2.00)

Revision Lists (V2.00)

Revision Date: 26.06.2015

Appendices: Specifications

Section	Item	Note
General Specifications	General Specifications	Machine weight has been corrected.
Optional Equipment	Booklet Finisher SR5060	Paper weight for Shift Tray has been corrected.
	Finisher SR5050	Paper weight for Shift Tray has been corrected.
	High Capacity Stacker SK5030	Notes about Paper weight for Shift Tray, Proof Tray, and Relay path have been corrected.

Appendices: Preventive Maintenance Tables

Section	Item	Note
Maintenance Tables	Preventive Maintenance Items > Mainframe (Replacement)	Explanation about the following parts have been corrected: <ul style="list-style-type: none">• PCU Cleaning Unit• Intermediate Transfer Belt Unit (ITB)• ITB Cleaning Unit• Fuser Unit
	Preventive Maintenance Items > Mainframe (Cleaning)	Explanation about the following parts have been corrected: <ul style="list-style-type: none">• PCU Cleaning Unit• Filters
	Preventive Maintenance Items > About the PM Check Sheet Decal for the PCU Cleaning Unit	This item has been added.

Appendices: SP Mode Tables

Section	Item	Note
Group 5000 (1/2)	SP5-009 to -725 (Mode)	Explanation for SP5-104-001 has been modified.

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1. Appendices: Specifications

Specifications

General Specifications

Item	Spec.
Configuration	Console
CPU	Intel(R) Celeron(R) Processor U3405 1.07GHz
RAM	1.0GB (Standard)
Hard disk	320GB
Color Support	Full Color
Photoreceptor Type	OPC Drum
Print Process	Dry Electrostatic Transfer System
Development System	Dry Two-component Magnetic Brush Development System
Fusing System	Oil-less Belt Fusing System
Warm-up time	540 Sec. or less (23C/73.4F, rated voltage)
First Print Time	<ul style="list-style-type: none">• M205: 14.9 Sec. or less• M238: 13.1 Sec. or less
Print Speed	<ul style="list-style-type: none">• M205: 110 Pages/Min. (A4/LT LEF), 61 Pages/Min. (A3/DLT SEF)• M238: 130 Pages/Min. (A4/LT LEF), 75 Pages/Min. (A3/DLT SEF)

Item	Spec.
Recommended Paper Size	<p>Main Unit Tray 1, 2, LCT (Trays 3 to 8):</p> <p>A3 SEF, A4 SEF/LEF, A5 SEF/LEF, B4 SEF, B5 SEF/LEF, 11"×17"(DLT) SEF, 8.5"×14"(LG) SEF, 8.5"×13"(Foolscap) SEF, 8.5"×11"(LT) SEF/LEF, 8.25"×14"(Government LG) SEF, 8.25"×13"(Folio) SEF, 8"×13"(F/GI) SEF, 8"×10"(Eng Quatro) SEF, 7.25"×10.5"(Executive) SEF/LEF, 5.5"×8.5"(Half Letter) SEF/LEF, 8K SEF, 16K SEF/LEF, 12"×18" SEF, 11"×15" SEF, 11"×14" SEF, 10"×15" SEF, 10"×14" SEF, 13"×19.2" SEF, 13"×19" SEF, 12.6"×19.2" SEF, 12.6"×18.5" SEF, 13"×18" SEF, SRA3 SEF, SRA4 SEF/LEF, 226×310mm SEF/LEF, 310×432mm SEF, 4.2"×5.5" SEF, Envelopes (240×332mm, 235×120mm, 120×235mm, 105×241mm, 110×220mm)</p>
	<p>Multi Bypass Tray:</p> <p>A3 SEF, A4 SEF/LEF, A5 SEF/LEF, A6 SEF, B4 SEF, B5 SEF/LEF, B6 SEF, 11"×17"(DLT) SEF, 8.5"×14"(LG) SEF, 8.5"×13"(Foolscap) SEF, 8.5"×11"(LT) SEF/LEF, 8.25"×14"(Government LG) SEF, 8.25"×13"(Folio) SEF, 8"×13"(F/GI) SEF, 8"×10"(Eng Quatro) SEF, 7.25"×10.5"(Executive) SEF/LEF, 5.5"×8.5"(Half Letter) SEF/LEF, 8K SEF, 16K SEF/LEF, 12"×18" SEF, 11"×15" SEF, 11"×14" SEF, 10"×15" SEF, 10"×14" SEF, 13"×19.2" SEF, 13"×19" SEF, 12.6"×19.2" SEF, 12.6"×18.5" SEF, 13"×18" SEF, SRA3 SEF, SRA4 SEF/LEF, 226×310mm SEF/LEF, 310×432mm SEF, 4.2"×5.5" SEF, Envelopes (Horizontal: 100mm to 330.2mm/3.9"×13", Vertical: 139.7mm to 487.7mm/5.5"×19.2")</p>
	<p>Custom Paper:</p> <ul style="list-style-type: none"> • Horizontal: 100mm to 330.2mm/3.9"×13" • Vertical: 139.7mm to 487.7mm/5.5"×19.2"
Paper Thickness	<ul style="list-style-type: none"> • Main Unit Tray 1, 2, LCT (Trays 3 to 8): 52.3 to 400.0 g/m² • Multi bypass tray: 52.3 to 216.0 g/m²
Resolution	1200dpi (Main Scan)×4800dpi (Sub Scan)
Tone	256

Item	Spec.
Feeding System / Paper Capacity	Standard: <ul style="list-style-type: none"> • 2500 Sheets×2 Optional: <ul style="list-style-type: none"> • Vacuum Feed LCIT RT5100: 2500 Sheets×2 • Multi Bypass Tray BY5010: 500 Sheets
Power Source	NA: 220-240V/60A (30A×2), 50/60Hz EU/AP: 208-240V/60A (30A×2), 50/60Hz
Max. Watts	9000W or less (full system) *Optional Power Source not included
Dimensions (W×D×H)	2520×990×1500 mm (99.3"×39.0"×59.1") * Up to the top of the toner cartridge compartment (excluding the control panel and the attention light)
Unit Occupation Dimensions (W×D) for Main Unit	2,520×990 mm (99.3"×39.0")
Weight	1013.4kg (Imaging section: 617.4kg, Fusing section: 396.0kg)

Printer Controller (EFI Server)

Item	Spec.
Interface	Gigabit Ethernet×2 (100BASE-TX/10BASE-T/1000BASE-T), USB2.0 Type-A×2, USB3.0 Type-A×6
Printer languages	CPSI (Resolution: 1200/600 dpi), APPE (Resolution: 1200/600 dpi), PCL5c (Resolution: 600/300 dpi), PCL6 (Resolution: 1200/600 dpi)
Resident Fonts	PCL5/6: 80 Roman Fonts PostScript3: 136 Roman Fonts
Network Protocols	TCP/IP (DHCP, FTP, HTTP, IMAP, IPP, IPv4, IPv6, LDAP, LPD, LPR, NBT, POP3, Port9100, SMB, SMTP, SNMP, SNTP, SSL/TLS), AppleTalk (for downloading fonts), Bonjour

Supported Paper Sizes

1

Paper Feed

Tray, LCT, Multi Bypass Tray

Size (W x L) [mm]	Tray 1 to 2		LCT (Tray 3 to 8)		Multi Bypass Tray	
	NA	EU/ Asia/TW	NA	EU/ Asia/TW	NA	EU/ Asia/TW
A3 SEF (297 x 420)	A	A	A	A	A	A
A4 SEF (210 x 297)	S	A	S	A	S	A
A4 LEF (297 x 210)	A	A	A	A	A	A
A5 SEF (148 x 210)	A	A	A	A	A	A
A5 LEF (210 x 148)	S	A	S	A	S	A
A6 SEF (105 x 148)	M	M	M	M	A	A
B4 SEF (257 x 364)	A	A	A	A	A	A
B5 SEF (182 x 257)	S	S	S	S	S	S
B5 LEF (257 x 182)	S	S	S	S	A	A
B6 SEF (128 x 182)	M	M	M	M	M	M
DLT SEF (11" x 17")	A	A	A	A	A	A
Legal SEF (8 ¹ / ₂ " x 14")	A	A	A	A	M	M
Foolscap SEF (8 ¹ / ₂ " x 13")	M	M	M	M	M	M
LT SEF (8 ¹ / ₂ " x 11")	A	S	A	S	A	S
LT LEF (11" x 8 ¹ / ₂ ")	A	A	A	A	A	A
Gov. LG SEF (8 ¹ / ₄ " x 14")	M	M	M	M	M	M
Folio SEF (8 ¹ / ₄ " x 13")	M	M	M	M	M	M

Size (W x L) [mm]	Tray 1 to 2		LCT (Tray 3 to 8)		Multi Bypass Tray	
	NA	EU/ Asia/TW	NA	EU/ Asia/TW	NA	EU/ Asia/TW
F/GL (8" x 13")	A	A	A	A	A	A
GLT SEF (8" x 10 ¹ / ₂ ")	M	M	M	M	M	M
GLT LEF (10 ¹ / ₂ " x 8")	M	M	M	M	M	M
Eng Quatro SEF (8" x 10")	M	M	M	M	M	M
Eng Quatro LEF (10" x 8")	M	M	M	M	M	M
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ ")	M	M	M	M	M	M
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ ")	A	A	A	A	M	M
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ ")	A	A	A	A	A	A
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ ")	A	S	A	S	A	S
Line slider 1 SEF	M	M	M	M	M	M
Line slider 1 LEF	M	M	M	M	M	M
Line slider 2 SEF	M	M	M	M	M	M
Com10 (104.8 x 241.3)	-	-	-	-	-	-
Monarch (98.4 x 190.5)	-	-	-	-	-	-
C5 (162 x 229)	-	-	-	-	-	-
DL (110 x 220)	M	M	M	M	M	M
8K SEF (267 x 390)	M	M	M	M	M	M
16K SEF (195 x 267)	M	M	M	M	M	M
16K LEF (267 x 195)	M	M	M	M	M	M
12" x 18" SEF	A	A	A	A	A	A
11" x 15" SEF	M	M	M	M	M	M

Size (W x L) [mm]	Tray 1 to 2		LCT (Tray 3 to 8)		Multi Bypass Tray	
	NA	EU/ Asia/TW	NA	EU/ Asia/TW	NA	EU/ Asia/TW
11" x 14" SEF	M	M	M	M	M	M
10" x 15" SEF	M	M	M	M	M	M
10" x 14" SEF	M	M	M	M	M	M
13" x 19.2" SEF	A	A	A	A	M	M
13" x 19" SEF	M	M	M	M	M	M
12.6" x 19.2" SEF	M	M	M	M	M	M
12.6" x 18.5" SEF	M	M	M	M	M	M
13" x 18" SEF	M	M	M	M	M	M
SRA3 SEF (420 x 320)	A	A	A	A	M	M
SRA4 SEF	A	A	A	A	M	M
SRA4 LEF	M	M	M	M	M	M
226 x 310 mm SEF	M	M	M	M	M	M
226 x 310 mm LEF	M	M	M	M	M	M
310 x 432 mm LEF	M	M	M	M	M	M

Remarks:

A	Supported: the sensor detects the paper size.
M	Supported: the user specifies the paper size.
S	Supported: depends on a technician adjustment.
-	Not supported.

Paper Exit

Finisher SR5050/Booklet Finisher SR5060

1

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch	Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es	NA 4 Hol es
A3 SEF (297 x 420)	A	A	A	A	A* ¹	A	50	A	20	A	A	A	A
A4 SEF (210 x 297)	A	A	A	A	A* ¹	A	100	A	20	A	-	-	A
A4 LEF (297 x 210)	A	A	A	-	-	A	100	-	-	A	A	A	A
A5 SEF (148 x 210)	A	A	A	-	-	-	-	-	-	A	-	-	A
A5 LEF (210 x 148)	A	A	A	-	-	-	-	-	-	A	-	-	A
A6 SEF (105 x 148)	A	-	-	-	-	-	-	-	-	B	-	-	-
B4 SEF (257 x 364)	A	A	A	A	A* ¹	A	50	A	20	A	A	A	A

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch	Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es	NA 4 Hol es
B5 SEF (182 x 257)	A	A	A	A	A* ¹	A	100	A	20	A	-	-	A
B5 LEF (257 x 182)	A	A	A	-	-	A	100	-	-	A	A	A	
B6 SEF (128 x 182)	A	-	-	-	-	-	-	-	-	A	-	-	A
DLT SEF (11" x 17")	A	A	A	A	A* ¹	A	50	A	20	A	A	A	A
Legal SEF (8 ¹ / ₂ " x 14")	A	A	A	A	A* ¹	A	100	A	20	A	-	-	A
Foolscap SEF (8 ¹ / ₂ " x 13")	A	A	A	A	A* ¹	A	100	A	20	A	-	-	A
LT SEF (8 ¹ / ₂ " x 11")	A	A	A	A	A* ¹	A	100	A	20	A	-	-	A
LT LEF (11" x 8 ¹ / ₂ ")	A	A	A	-	-	A	100	-	-	A	A	A	A

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch		Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es
Gov. LG SEF (8 ¹ / ₄ " x 14")	A	A	A	A	A ^{*1}	A	50	A	20	A	-	-	A
Folio SEF (8 ¹ / ₄ " x 13")	A	A	A	A	A ^{*1}	A	50	A	20	A	-	-	A
F/GL (8" x 13")	A	A	A	A	A ^{*1}	A	50	A	20	A	-	-	A
GLT SEF (8" x 10 ¹ / ₂ ")	A	A	A	A	A ^{*1}	-	-	A	20	A	-	-	A
GLT LEF (10 ¹ / ₂ " x 8")	A	A	A	-	-	-	-	-	-	A	A	A	A
Eng Quatro SEF (8" x 10")	A	A	A	-	-	A	100	-	-	A	-	-	A
Eng Quatro LEF (10" x 8")	A	A	A	-	-	-	-	-	-	A	A	-	A
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ ")	A	A	A	A	A ^{*1}	A	100	A	20	A	-	-	A

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch	Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es	NA 4 Hol es
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ "	A	A	A	-	-	A	100	-	-	A	A	A	A
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ "	A	A	A	-	-	-	-	-	-	A	-	-	A
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ "	A	A	A	-	-	-	-	-	-	A	-	-	A
Line slider 1 SEF	A	A	A	-	-	-	-	-	-	A	-	-	A
Line slider 1 LEF	A	A	A	-	-	-	-	-	-	A	-	-	A
Line slider 2 SEF	A	A	A	A	A ^{*1}	-	-	A	20	A	-	-	A
Com10 (104.8 x 241.3)	A	A	A	A	-	-	-	-	-	-	-	-	-
Monarch (98.4 x 190.5)	-	-	-	-	-	-	-	-	-	-	-	-	-
C5 (162 x 229)	-	-	-	-	-	-	-	-	-	-	-	-	-

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch	Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es	NA 4 Hol es
DL (110 x 220)	-	-	-	-	-	-	-	-	-	-	-	-	-
8K SEF (267 x 390)	A	A	A	A	A ^{*1}	A	50	A	20	A	A	A	A
16K SEF (195 x 267)	A	A	A	A	A ^{*1}	A	100	A	20	A	-	-	A
16K LEF (267 x 195)	A	A	A	-	-	A	100	-	-	A	A	A	A
12" x 18" SEF	A	A	A	A	A ^{*1}	-	-	A	20	B	B	B	B
11" x 15" SEF	A	A	A	A	A ^{*1}	A	50	A	20	A	A	A	A
11" x 14" SEF	A	A	A	A	A ^{*1}	A	50	A	20	A	A	A	A
10" x 15" SEF	A	A	A	A	A ^{*1}	A	50	A	20	A	A	-	A
10" x 14" SEF	A	A	A	A	A ^{*1}	A	50	A	20	A	A	-	A
13" x 19.2" SEF	A	A	A	A	A ^{*1}	-	-	A	20	B	B	B	B
13" x 19" SEF	A	A	A	A	A ^{*1}	-	-	A	20	B	B	B	B

Size (W x L) [mm]	Paper exit				Half fold	Staple				Punch			
	Pro of	Sh ift	Shif ting	Sad dle stitch	Mid dle fold	Single/ Double stitch	Stap le amo unt	Sad dle stitch	Sad dle stitch amo unt	EU 2 NA 2 Hol es	NA 3 Hol es	EU 4 Hol es	NA 4 Hol es
12.6" x 19.2" SEF	A	A	A	A	A* ¹	-	-	A	20	B	B	B	B
12.6" x 18.5" SEF	A	A	A	A	A* ¹	-	-	A	20	B	B	B	B
13" x 18" SEF	A	A	A	A	A* ¹	-	-	A	20	B	B	B	B
SRA3 SEF (420 x 320)	A	A	A	A	A* ¹	-	-	A	20	B	B	B	B
SRA4 SEF	A	A	A	A	A* ¹	-	-	A	20	B	-	-	B
SRA4 LEF	A	A	A	-	-	-	-	-	-	B	B	B	B
226 x 310 mm SEF	A	A	A	A	A* ¹	-	-	A	20	B	-	-	B
226 x 310 mm LEF	A	A	A	-	-	-	-	-	-	B	B	B	B
310 x 432 mm LEF	A	A	A	A	A* ¹	-	-	A	20	B	B	B	B

* 1: Half folding can be done up to 6 sheets.

Remarks:

A	Paper through, paper exit available.
B	Will not guarantee, but paper can go through or exit.
-	Not available.

Multi-Folding Unit FD5020

Size (W x L) [mm]	Paper Exit	Paper Through	Z-Fold	Half Fold	Letter Fold- in	Letter Fold- out	Gate Fold	Double Parallel Fold
A3 SEF (297 x 420)	-	A	A	A	A	A	A	A
A4 SEF (210 x 297)	-	A	A	A	A	A	A	A
A4 LEF (297 x 210)	A	A	-	-	-	-	-	-
A5 SEF (148 x 210)	A	A	-	-	-	-	-	-
A5 LEF (210 x 148)	A	A	-	-	-	-	-	-
A6 SEF (105 x 148)	A	A	-	-	-	-	-	-
B4 SEF (257 x 364)	-	A	A	A	A	A	A	A
B5 SEF (182 x 257)	A	A	-	A	A	A	A	A
B5 LEF (257 x 182)	A	A	-	-	-	-	-	-
B6 SEF (128 x 182)	A	A	-	-	-	-	-	-
DLT SEF (11" x 17")	-	A	A	A	A	A	A	A

Size (W x L) [mm]	Paper Exit	Paper Through	Z-Fold	Half Fold	Letter Fold- in	Letter Fold- out	Gate Fold	Double Parallel Fold
Legal SEF (8 ¹ / ₂ " x 14")	-	A	A	A	A	A	A	A
Foolscap SEF (8 ¹ / ₂ " x 13")	-	A	-	-	-	-	-	-
LT SEF (8 ¹ / ₂ " x 11")	-	A	A	A	-	A	A	A
LT LEF (11" x 8 ¹ / ₂ ")	A	A	-	-	A	-	-	-
Gov. LG SEF (8 ¹ / ₄ " x 14")	-	A	-	-	A	-	-	-
Folio SEF (8 ¹ / ₄ " x 13")	-	A	-	-	-	-	-	-
F/GL (8" x 13")	-	A	-	-	A	-	-	-
GLT SEF (8" x 10 ¹ / ₂ ")	-	A	-	-	-	-	-	-
GLT LEF (10 ¹ / ₂ " x 8")	A	A	-	-	-	-	-	-
Eng Quatro SEF (8" x 10")	A	A	-	-	-	-	-	-
Eng Quatro LEF (10" x 8")	A	A	-	-	-	-	-	-
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ ")	-	A	-	-	-	-	-	-
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ ")	A	A	-	-	-	-	-	-

Size (W x L) [mm]	Paper Exit	Paper Through	Z-Fold	Half Fold	Letter Fold- in	Letter Fold- out	Gate Fold	Double Parallel Fold
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ ")	A	A	-	-	-	-	-	-
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ ")	A	A	-	-	-	-	-	-
Line slider 1 SEF	A	A	-	-	-	-	-	-
Line slider 1 LEF	A	A	-	-	-	-	-	-
Line slider 2 SEF	A	A	-	-	-	-	-	-
Com10 (104.8 x 241.3)	-	A	-	-	-	-	-	-
Monarch (98.4 x 190.5)	-	-	-	-	-	-	-	-
C5 (162 x 229)	-	A	-	-	-	-	-	-
DL (110 x 220)	-	A	-	-	-	-	-	-
8K SEF (267 x 390)	-	A	A	A	A	A	A	A
16K SEF (195 x 267)	-	A	-	-	-	-	-	-
16K LEF (267 x 195)	A	A	-	-	-	-	-	-
12" x 18" SEF	-	A	A	A	A	A	A	A
11" x 15" SEF	-	A	-	-	-	-	-	-

Size (W x L) [mm]	Paper Exit	Paper Through	Z-Fold	Half Fold	Letter Fold- in	Letter Fold- out	Gate Fold	Double Parallel Fold
11" x 14" SEF	-	A	-	-	-	-	-	-
10" x 15" SEF	-	A	-	-	-	-	-	-
10" x 14" SEF	-	A	-	-	-	-	-	-
13" x 19.2" SEF	-	A	-	A	-	-	-	-
13" x 19" SEF	-	A	-	A	-	-	-	-
12.6" x 19.2" SEF	-	A	-	A	-	-	-	-
12.6" x 18.5" SEF	-	A	-	A	-	-	-	-
13" x 18" SEF	-	A	-	A	-	-	-	-
SRA3 SEF (420 x 320)	-	A	-	A	-	-	-	-
SRA4 SEF	-	A	-	A	-	-	-	-
SRA4 LEF	A	A	-	-	-	-	-	-
226 x 310 mm SEF	-	A	-	A	-	-	-	-
226 x 310 mm LEF	A	A	-	-	-	-	-	-
310 x 432 mm LEF	-	A	-	A	-	-	-	-

Remarks:

A	Paper through, paper exit available.
-	Not available.

Ring Binder RB5020

Size (W x L) [mm]	Paper Exit	Paper Through	Binding		Binding amount	Punching Only	
			NA	EU		NA	EU
A3 SEF (297 x 420)	-	A	-	-	-	-	-
A4 SEF (210 x 297)	-	A	-	-	-	-	-
A4 LEF (297 x 210)	A	A	-	A	50/100	-	A
A5 SEF (148 x 210)	-	A	-	-	-	-	-
A5 LEF (210 x 148)	-	A	-	-	-	-	-
A6 SEF (105 x 148)	-	A	-	-	-	-	-
B4 SEF (257 x 364)	-	A	-	-	-	-	-
B5 SEF (182 x 257)	-	A	-	-	-	-	-
B5 LEF (257 x 182)	-	A	-	-	-	-	-
B6 SEF (128 x 182)	-	A	-	-	-	-	-
DLT SEF (11" x 17")	-	A	-	-	-	-	-
Legal SEF (8 ¹ / ₂ " x 14")	-	A	-	-	-	-	-
Foolscap SEF (8 ¹ / ₂ " x 13")	-	A	-	-	-	-	-
LT SEF (8 ¹ / ₂ " x 11")	-	A	-	-	-	-	-
LT LEF (11" x 8 ¹ / ₂ ")	A	A	A	-	50/100	A	-
Gov. LG SEF (8 ¹ / ₄ " x 14")	-	A	-	-	-	-	-
Folio SEF (8 ¹ / ₄ " x 13")	-	A	-	-	-	-	-
F/GL (8" x 13")	-	A	-	-	-	-	-
GLT SEF (8" x 10 ¹ / ₂ ")	-	A	-	-	-	-	-
GLT LEF (10 ¹ / ₂ " x 8")	-	A	-	-	-	-	-
Eng Quatro SEF (8" x 10")	-	A	-	-	-	-	-

Size (W x L) [mm]	Paper Exit	Paper Through	Binding		Binding amount	Punching Only	
			NA	EU		NA	EU
Eng Quatro LEF (10" x 8")	-	A	-	-	-	-	-
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ ")	-	A	-	-	-	-	-
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ ")	-	A	-	-	-	-	-
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ ")	-	A	-	-	-	-	-
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ ")	-	A	-	-	-	-	-
Line slider 1 SEF	-	A	-	-	-	-	-
Line slider 1 LEF	-	A	-	-	-	-	-
Line slider 2 SEF	-	A	-	-	-	-	-
Com10 (104.8 x 241.3)	-	A	-	-	-	-	-
Monarch (98.4 x 190.5)	-	-	-	-	-	-	-
C5 (162 x 229)	-	A	-	-	-	-	-
DL (110 x 220)	-	A	-	-	-	-	-
8K SEF (267 x 390)	-	A	-	-	-	-	-
16K SEF (195 x 267)	-	A	-	-	-	-	-
16K LEF (267 x 195)	-	A	-	-	-	-	-
12" x 18" SEF	-	A	-	-	-	-	-
11" x 15" SEF	-	A	-	-	-	-	-
11" x 14" SEF	-	A	-	-	-	-	-
10" x 15" SEF	-	A	-	-	-	-	-
10" x 14" SEF	-	A	-	-	-	-	-
13" x 19.2" SEF	-	A	-	-	-	-	-
13" x 19" SEF	-	A	-	-	-	-	-

Size (W x L) [mm]	Paper Exit	Paper Through	Binding		Binding amount	Punching Only	
			NA	EU		NA	EU
12.6" x 19.2" SEF	-	A	-	-	-	-	-
12.6" x 18.5" SEF	-	A	-	-	-	-	-
13" x 18" SEF	-	A	-	-	-	-	-
SRA3 SEF (420 x 320)	-	A	-	-	-	-	-
SRA4 SEF	-	A	-	-	-	-	-
SRA4 LEF	-	A	-	-	-	-	-
226 x 310 mm SEF	-	A	-	-	-	-	-
226 x 310 mm LEF	-	A	-	-	-	-	-
310 x 432 mm LEF	-	A	-	-	-	-	-

Remarks:

A	Paper through, paper exit available.
-	Not available.

High Capacity Stacker SK5030

Size (W x L) [mm]	Paper Exit			Paper Through
	Stack	Proof	Shifting	
A3 SEF (297 x 420)	A	A	A	A
A4 SEF (210 x 297)	A	A	A	A
A4 LEF (297 x 210)	A	A	A	A
A5 SEF (148 x 210)	A	A	A	A
A5 LEF (210 x 148)	A	A	A	A
A6 SEF (105 x 148)	-	A	-	A
B4 SEF (257 x 364)	A	A	A	A

Size (W x L) [mm]	Paper Exit			Paper Through
	Stack	Proof	Shifting	
B5 SEF (182 x 257)	A	A	A	A
B5 LEF (257 x 182)	A	A	A	A
B6 SEF (128 x 182)	-	A	-	A
DLT SEF (11" x 17")	A	A	A	A
Legal SEF (8 ¹ / ₂ " x 14")	A	A	A	A
Foolscap SEF (8 ¹ / ₂ " x 13")	A	A	A	A
LT SEF (8 ¹ / ₂ " x 11")	A	A	A	A
LT LEF (11" x 8 ¹ / ₂ ")	A	A	A	A
Gov. LG SEF (8 ¹ / ₄ " x 14")	A	A	A	A
Folio SEF (8 ¹ / ₄ " x 13")	A	A	A	A
F/GL (8" x 13")	A	A	A	A
GLT SEF (8" x 10 ¹ / ₂ ")	A	A	A	A
GLT LEF (10 ¹ / ₂ " x 8")	A	A	A	A
Eng Quatro SEF (8" x 10")	A	A	A	A
Eng Quatro LEF (10" x 8")	A	A	A	A
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ ")	A	A	A	A
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ ")	A	A	A	A
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ ")	A	A	A	A
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ ")	A	A	A	A
Line slider 1 SEF	A	A	A	A
Line slider 1 LEF	A	A	A	A
Line slider 2 SEF	A	A	A	A

Size (W x L) [mm]	Paper Exit			Paper Through
	Stack	Proof	Shifting	
Com10 (104.8 x 241.3)	-	A	-	A
Monarch (98.4 x 190.5)	-	-	-	-
C5 (162 x 229)	-	A	-	A
DL (110 x 220)	-	A	-	A
8K SEF (267 x 390)	A	A	A	A
16K SEF (195 x 267)	A	A	A	A
16K LEF (267 x 195)	A	A	A	A
12" x 18" SEF	A	A	A	A
11" x 15" SEF	A	A	A	A
11" x 14" SEF	A	A	A	A
10" x 15" SEF	A	A	A	A
10" x 14" SEF	A	A	A	A
13" x 19.2" SEF	A	A	A	A
13" x 19" SEF	A	A	A	A
12.6" x 19.2" SEF	A	A	A	A
12.6" x 18.5" SEF	A	A	A	A
13" x 18" SEF	A	A	A	A
SRA3 SEF (420 x 320)	A	A	A	A
SRA4 SEF	A	A	A	A
SRA4 LEF	A	A	A	A
226 x 310 mm SEF	A	A	A	A
226 x 310 mm LEF	A	A	A	A
310 x 432 mm LEF	A	A	A	A

Remarks:

A	Paper through, paper exit available.
-	Not available.

Trimmer Unit TR5040

Size (W x L) [mm]	Paper Exit (Trimming)
A3 SEF (297 x 420)	A
A4 SEF (210 x 297)	A
A4 LEF (297 x 210)	-
A5 SEF (148 x 210)	-
A5 LEF (210 x 148)	-
A6 SEF (105 x 148)	-
B4 SEF (257 x 364)	A
B5 SEF (182 x 257)	A
B5 LEF (257 x 182)	-
B6 SEF (128 x 182)	-
DLT SEF (11" x 17")	A
Legal SEF (8 ¹ / ₂ " x 14")	A
Foolscap SEF (8 ¹ / ₂ " x 13")	A
LT SEF (8 ¹ / ₂ " x 11")	A
LT LEF (11" x 8 ¹ / ₂ ")	-
Gov. LG SEF (8 ¹ / ₄ " x 14")	A
Folio SEF (8 ¹ / ₄ " x 13")	A
F/GL (8" x 13")	A
GLT SEF (8" x 10 ¹ / ₂ ")	A

Size (W x L) [mm]	Paper Exit (Trimming)
GLT LEF (10 ¹ / ₂ " x 8")	-
Eng Quatro SEF (8" x 10")	-
Eng Quatro LEF (10" x 8")	-
Executive SEF (7 ¹ / ₄ " x 10 ¹ / ₂ "	A
Executive LEF (10 ¹ / ₂ " x 7 ¹ / ₄ "	-
HLT SEF (5 ¹ / ₂ " x 8 ¹ / ₂ "	A
HLT LEF (8 ¹ / ₂ " x 5 ¹ / ₂ "	A
Line slider 1 SEF	A
Line slider 1 LEF	A
Line slider 2 SEF	-
Com10 (104.8 x 241.3)	-
Monarch (98.4 x 190.5)	-
C5 (162 x 229)	-
DL (110 x 220)	-
8K SEF (267 x 390)	A
16K SEF (195 x 267)	A
16K LEF (267 x 195)	-
12" x 18" SEF	A
11" x 15" SEF	A
11" x 14" SEF	A
10" x 15" SEF	A
10" x 14" SEF	A
13" x 19.2" SEF	A
13" x 19" SEF	A

Size (W x L) [mm]	Paper Exit (Trimming)
12.6" x 19.2" SEF	A
12.6" x 18.5" SEF	A
13" x 18" SEF	A
SRA3 SEF (420 x 320)	A
SRA4 SEF	A
SRA4 LEF	-
226 x 310 mm SEF	A
226 x 310 mm LEF	-
310 x 432 mm LEF	A

Remarks:

A	Paper through, paper exit available.
-	Not available.

Optional Equipment

Vacuum Feed LCIT RT5100

1

Item	Specifications
Configuration	Console, attached to right side of main machine
Paper Weight	Tray1: 52.3 to 400.0g/m ² Tray2: 52.3 to 400.0g/m ²
Paper Size	13" x 19.2" SEF, 13" x 19"SEF, 12.6" x 19.2"SEF, 12.6" x 18.5" ,13" x 18" SEF, SRA3 SEF, 12" x 18" SEF, SRA4 SEF/LEF, A3 SEF, A4 SEF/LEF, A5 SEF/LEF, A6 SEF, B4 SEF, B5 SEF/LEF, B6 SEF, DLT SEF, LG SEF, 8.5" x 13" SEF, LT SEF/LEF, 8.25" x 14" SEF, 8.25" x 13" SEF, 8" x 13" SEF, 8" x 10.5" LT SEF/LEF, 8" x 10" SEF/LEF, Executive SEF/LEF, HLT SEF/LEF, Line slider1 SEF/LEF, Line slider2 SEF, 8K SEF, 16K SEF/LEF, 11" x 15" SEF, 11" x 14" SEF, 10" x 15" SEF, 10" x 14" SEF, Postcard SEF <ul style="list-style-type: none"> Custom size: <ul style="list-style-type: none"> Width: 100mm to 330.2mm Length: 139.7mm to 487.7mm
Paper Tray Capacity (In 0.11mm paper)	Tray1: 2200 sheets Tray2: 2200 sheets
Power Source	NA: AC100-127V, 8.6A, 50/60Hz EU/AP: AC220-240V, 4.4A, 50/60Hz
Power Consumption	Less than 860W
Dimensions (W x D x H)	1,054mm x 730mm x 1,000mm (Excluding protrude)
Weight	Less than 220kg (Excluding accessories)

Bridge Unit BU5010

Item	Specifications
Configuration	Horizontal transport unit, Bridge unit
Paper Thickness	40.0 to 400.0g/m ²
Paper Size	Postcard (Width: 100mm): up to 13×19.2 Length: 139.7mm to 487.7mm Width: 100.0mm to 330.2mm
Power Source	DC: 24V±10%, DC: 5V±5% (Draw from vacuum feed LCIT RT5100)
Dimensions (W x D x H)	330×730×1,000mm (Bridge unit excluding protrude)
Weight	60kg or less (Excluding accessories)

Vacuum Feed Banner Sheet Tray Type S3

Item	Specifications	Notes
Paper Capacity	800 sheets (80 g/m ² , 20 lb. Bond)	
Paper Thickness	52.3 to 400.0 g /m ²	
Paper Size	Length: 420mm to 700mm Width: 210mm to 330.2mm	Require the installation of vacuum feed banner sheet tray type S3 to the exit tray side.
Tray	1 * Connects to the paper feed unit (Tray1) of the vacuum feed LCIT RT5100.	When linked, it connects to the most upstream of the vacuum feed LCIT RT5100.
Output Paper Capacity (80 g/m ² , 20 lb. Bond)	200 sheets	Install the sheet tray to the shift tray of the finisher.

Item	Specifications	Notes
Dimensions (W×D×H)	1,310mm x 730mm x 1,000mm This option only: 286mm x 540mm x 294mm	
Weight	Less than 7kg	

Cover Interposer Tray CI5030

Item	Specification	Notes
Dimension (W x D x H)	540 x 730 x 1290mm	
Weight	Less than 45kg	
Power Source	From mainframe	
Paper Size	A5/HLT – 13" x 19.2" <Custom Size Paper> Width: 139.7 to 330.2mm (5.50 to 13.00 inch) Length: 139.7 to 487.7mm (5.50 to 19.20 inch)	
Paper weight	64.0 – 216.0g/m ² 17 –58lb Bond /110 lb index	
Paper capacity (80 g/m ² , 20 lb. Bond)	200 sheets x 2 trays	
Original set position	Center position	
Original Set	Face Up, First sheet on top	
Size change	Touch screen	User changeable

Multi Bypass Tray BY5010

Item	Specification
Paper Capacity	550 sheets (80g/m ² , 20lb Bond)

Item	Specification
Paper Size	A5 (LEF)/5.5"x8.5" (LEF) – 13" x 19.2" <Custom Size Paper> Width: 100.0 to 330.2mm (3.94 to 13.00 inch) Length: 139.7 to 487.7mm (5.50 to 19.20 inch)
Paper Weight	52.3 to 216.0 g/m ² , 14lb Bond to 80lb Cover
Power Source	From LCT (From Mainframe -->LCT)
Paper Volume Sensors	In 4 steps: Near end, 0%, 50%, 100%
Dimension (W x D x H)	690 mm x 561 mm x 210mm
Weight	Less than 20kg

Multi Bypass Banner Sheet Tray Type S3

Item	Specification	Notes
Paper Capacity (80 g/m ² , 20 lb. Bond)	500 sheets	
Paper Weight	52.3 to 216 gsm	
Paper Size	Length: 139.7mm to 700mm Width: 210mm to 330.2mm	Require the installation of multi bypass banner sheet tray type S3 to the exit tray side.
Tray	1 * Connects to Multi Bypass Tray BY5010	
Output Paper Capacity (80 g/m ² , 20 lb. Bond)	200 sheets	Install the sheet tray to the shift tray of the finisher.
Dimension (W x D x H)	553 x 364 x 142mm	
Weight	Less than 3.5kg	

Booklet Finisher SR5060

Basic Specifications

Item		Specification
Dimensions (W x D x H)		996 x 730 x 1126mm *Not includes projections. When all extendable trays are closed.
Weight		Less than 130kg
Configuration		Console type
Power Source		NA: 120V, 2.0A, 60Hz EU/AP: 220-240V, 1.2A, 50/60Hz
Power Consumption		Less than 150W (Excluding peak consumption)
Output Jogger		Standard
Staple Position Adjustment		Yes (Two position staple only)
Proof Tray	Stack capacity	<ul style="list-style-type: none"> • 250 sheets: Without folding (A4, 8.5" x 11" or smaller) • 50 sheets: Without folding (B4, 8.5" x 14" or larger) • 30 sheets Z folding (B4 or larger) • 20 sheets: Z folding (A4 SEF, LT SEF)
	Paper size	A5-13" x 19.2"
	Paper weight	<Without Z-folding> 52 g/m ² -216g/m ² 16-40 lb. Bond, 50-80 lb. Cover, 90-110 lb. Index <Z-folding> 64-105 g/m ² , 20lb Bond

Item		Specification
Shift Tray	Stack capacity	<ul style="list-style-type: none"> • 2,500 sheets: A4 LEF, B5 LEF, 8.5" x 11" LEF • 1,500 sheets: A3, A4 SEF, B4, B5 SEF, 11" x 17" SEF, 8.5" x 11" SEF, SRA4, 226 x 310mm • 1,000 sheets: 12" x 18", SRA3, 13"x18", 12.6"x18.5", 12.6"x19.2", 13"x19", 13" x 19.2", 310 x 432mm • 500 sheets: A5 LEF, 5.5" x 8.5" LEF • 100 sheet: A5 SEF, 5.5" x 8.5" SEF • 30 sheets: Z-folding paper
	Paper size	<Without Z-folding> Max Up to 330.2 x 487.7 mm (13" x 19.2") <Z-folding> Up to 12" x 18"
	Paper weight	<Without Z-folding> 52-400 g/m ² , 14.0 lb. Bond – 221.0 lb. Index (350 to 400 g/m ² : paper type is limited.) <Z-folding> 64-105 g/m ² , 18-28lb Bond

Note

- The capacity to be calculated with 80g/m², 20lb Bond paper.

Staple specifications

Item	Specification
Paper Size	B5-A3 8.5" x 11" – 11" x 17"
Paper Weight	<Without Z-folding> 63.1–200.0 g/m ² (17.0 lb. Bond–110.7 lb. Cover) <Z-folding> 64.0–105.0 g/m ² (17.1–28.0 lb. Bond)

Item		Specification
Staple Position		8 positions (Top, Top Slant, Bottom, Top 2, Left 2, Right 1, Right 2, Center)
Staples Capacity*	A4, B5, 8.5" x 11"	2-100 sheets
	A3, B4 11"x17", 8.5"x14"	2-50 sheets
	Z-folding	10 sheets
Staple Replenishment		Cartridge exchange / 5,000 pins per cartridge

Note

- The capacity to be calculated with 80g/m², 20 lb Bond paper.

Saddle stitch specifications

Item	Specification
Paper Size	B5-SRA3 8.5"x11"-13"x19.2" <Custom Size> Length: 257 to 487.7mm Width: 182 to 330.2mm
Paper Weight	64.0-163g/m ² (17.1 lb. Bond-60.0 lb. Cover)
Staple Position	Center 2 position

Item		Specification
Staples Capacity*	64-80g/m ² (18-20lb Bond)	20 sheets
	80-90g/m ² (20-24lb Bond)	15 sheets
	Cover Sheet	One cover sheet (up to 163g/m ²) can be included in the above stapling capacity.
Staple Replenishment		Cartridge exchange / 5,000 pins per cartridge

Punch specifications (Option)

Item	Specification	Remarks
Number of Punch	NA: 2 or 3 holes EU: 2 or 4 holes Scandinavian: 4 holes	Punch option is required.
Punch Registration	Yes (Resist Roller and Side Registration Sensor)	
Max. Thickness	2 or 3 holes: 52 - 209g/m ² 4 holes: 52 - 163g/m ²	
Supported model	M205 (110ppm) M238 (130ppm)	
Performance	Same as engine speed (110/130ppm)	

Stack Capacity after Finishing

Item	Paper size	Number of Pages per set	Number of Sets
Without Z-folding	A4 LEF, B5 LEF 8.5" x 11" LEF	20-100	125-25
		10-19	200-105
		2-9	150
	A4 SEF, B5 SEF 8.5" x 11" SEF	10-100	150-15
		2-9	150
	A3, B4 11" x 17", 8.5" x 14"	10-50	150-30
	2-9	150	
When mix-sized	A3 & A4, B4 & B5 11" x 17" & 11" x 8.5"	2-50	30
With Z-folding (One size or mix-sized)	One size A3 Z-folding & A4 B4 Z-folding & B5 11" x 17" Z-folding + 11" x 8.5"	1-10	30-3
When Saddle Stitch	All size	2-5	45
		6-10	23
		11-15	15
		16-20	10
	Limitless stack mode	Supported	

Finisher SR5050

Basic Specifications

Item		Specification
Dimensions (W x D x H)		996 x 730 x 1126mm *Not includes projections. When all extendable trays are closed.
Weight		Less than 112kg
Configuration		Console type
Power Source		NA: 120V, 2.0A, 60Hz EU/AP: 220-240 V, 1.2 A, 50/60Hz
Power Consumption		Less than 150W (Excluding peak consumption)
Output Jogger		Standard
Staple Position Adjustment		Yes (Two position staple only)
Proof Tray	Stack Capacity	<ul style="list-style-type: none"> • 250 sheets: Without folding (A4, 8.5" x 11 or smaller) • 50 sheets: Without folding (B4, 8.5" x 14" or larger) • 30 sheets: Z folding (B4 or larger) • 20 sheets: Z folding (A4 SEF, LT SEF)
	Paper Size	A5 - 13" x 19.2"
	Paper Weight	<Without Z-folding> 52.3–216.0 g/m ² (14.0 lb. Bond–79.9 lb. Cover) <Z-folding> 64.0–105.0 g/m ² (17.1–28.0 lb. Bond)

Item		Specification
Shift Tray	Stack Capacity	<ul style="list-style-type: none"> • 3,000 sheets: A4 LEF, B5 LEF, 8.5" x 11 LEF • 1,500 sheets: A3, A4 SEF, B4, B5 SEF, 11" x 17" SEF, 8.5" x 11" SEF, SRA4, 226 x 310mm • 1,000 sheets: 12" x 18", SRA3, 13"x18", 12.6"x18.5", 12.6"x19.2", 13"x19", 13" x 19.2", 310 x 432mm • 500 sheets: A5 LEF, 5.5" x 8.5" LEF • 100 sheet: A5 SEF, 5.5" x 8.5" SEF • 30 sheets: Z-folding paper
	Paper Size	<Without Z-folding> Max Up to 330.2 x 487.7 mm (13" x 19.2") <Z-folding> Up to 12" x 18"
	Paper Weight	<Without Z-folding> 52.3–400.0 g/m ² (14.0 lb. Bond – 221.0 lb. Index) (350 to 400 g/m ² : paper type is limited.) <Z-folding> 64.0–105.0 g/m ² (17.1–28.0 lb. Bond)

Note

- The capacity to be calculated with 80g/m², 20lb Bond paper.

Staple specifications

Item	Specification
Paper size	B5-A3 8.5" x 11" – 11" x 17"
Paper weight	<Without Z-folding> 63.1 - 200.0 g/m ² (17.0 lb. Bond–110.7 lb. Cover) <Z-folding> 64.0 - 105.0 g/m ² (17.1–28.0 lb. Bond)
Staple position	7 positions (Top, Top Slant, Bottom, Top 2, Left 2, Right 1, Right 2)

Item		Specification
Staples Capacity*	A4, B5, 8.5" x 11"	2-100 sheets
	A3, B4 11"x17", 8.5"x14"	2-50 sheets
	Z-folding	10 sheets
Staple Replenishment		Cartridge exchange / 5,000 pins per cartridge

Note

- The capacity to be calculated with 80g/m², 20lb Bond paper.

Punch Specifications (Option)

Item	Specification
Number of Punch	NA: 2 or 3 holes EU: 2 or 4 holes Scandinavian: 4 holes
Punch Registration	Yes (Resist Roller and Side Registration Sensor)
Max. Thickness	2 or 3 holes: 52 -209g/m ² 4 holes: 52 - 163g/m ²
Supported model	M205 (110ppm) M238 (130ppm)
Performance	Same as engine speed (110/130ppm)

Stack Capacity after Finishing

Item	Paper size	Number of Pages per set	Number of Sets
Without Z-folding	A4 LEF, B5 LEF 8.5" x 11" LEF	20-100	150-30
		10-19	200-105
		2-9	150
	A4 SEF, B5 SEF 8.5" x 11" SEF	10-100	150-15
		2-9	150
	A3, B4 11" x 17", 8.5" x 14"	10-50	150-30
	2-9	150	
When mix-sized	A3 & A4, B4 & B5 11" x 17 & 11" x 8.5"	2-50	30
With Z-folding (One size or mix-sized)	One size A3 Z-folding & A4 B4 Z-folding & B5 11" x 17" Z-folding + 11" x 8.5"	1-10	30-3

Trimmer Unit TR5040

Item	Specification	Notes
Dimension (W x D x H)	1,115 x 591 x 555mm	
Weight	75kg	
Configuration	Console type / Optional unit for Finisher	Finisher SR5060 is necessary
Power Consumption	Universal Power Supply 100V - 240V NA: 60Hz EU: 50Hz Ave. 75W, Max. 250W	Plug
Trimming Type	One side edge	

Item	Specification	Notes
Trimming Capacity	1-20 sheets (2-40 pages after folding)	20lb, 80g/m ²
Paper Size	13" x 19.2", 13" x 19", 12.6" x 19.2", 12.6" x 18.5" 13" x 18", SRA3 (320 x 450mm), 12" x 18", A3, B4 SRA4 (320 x 225mm), 226 x 310mm, 310 x 432mm, A4, B5, DLT, LG, LT <Custom Size> Width: 182 to 330mm Length: 257 to 488mm	* sizes before folding
Stack Capacity	1 sheet: 60 sets * ¹ 2 - 5 sheets: 60 sets 6 - 10 sheets: 35 - 40 sets * ¹ 11 - 20 sheets: 20 - 25 sets * ¹	
Stacker Full Detection	Yes	
Limitless Stack	Yes * ²	

* 1: The stack capacity varies according to the size of the sheets.

* 2: The limitless stack is enabled by removing the end stopper.

High Capacity Stacker SK5030

Item	Specification	Notes
Configuration	Console type	
Speed	169 to 758mm/s	
Dimension (W x D x H)	900×730×1,000mm	
Weight	Stacker: Less than 120kg	Cart: Less than 15kg

Item		Specification	Notes
Power Supply		NA: 100-127V, 50/60Hz, 2.0A EU: 220-240V, 50/60Hz, 0.8A	DC power supply from the main machine: 5V AC power supply: no supply from the main machine
Power Consumption		NA: 91.6 W EU: 105 W	
Shift Tray			
Stack Capacity	5,000 sheets	A3 (max. 13"×19.2"), A3 SEF, B4 SEF, A4 SEF, A4 LEF, DLT SEF, LG SEF, T SEF, LT LEF	In 0.1 mm paper More than 80 g/m ² : provisions in weight
	2,500 sheets	B5 SEF, B5 LEF, A5 SEF, A5 LEF, HLT SEF, HLT LEF	
Paper Size		331×488mm (13"×19.2") to A5	
Paper Weight		40 to 400g/m ²	350 to 400 g/m ² : paper type is limited.
Proof Tray			
Stack Capacity		250 sheets (more than A4,LT)	In 0.1 mm paper More than 80 g/m ² : provisions in weight
Paper Size		331×488mm (13"×19.2") to A6 SEF / postcard	
Paper Weight		40 to 400g/m ²	350 to 400 g/m ² : paper type is limited.
Relay path			
Paper Size		331×488mm (13"×19.2") to A6SEF/ postcard	
Stack Capacity		40 to 400g/m ²	350 to 400 g/m ² : paper type is limited.

Ring Binder RB5020

Item	Specification	
Configuration	Console	
Paper Transport	Centered in paper path	
Operation Modes	Punching + ring binding Punching only Straight-through (downstream delivery)	
Signature Thickness	2 to 100 sheets	
Paper Size	Punching, binding	A4 LEF, LT LEF, Tab Sheets for each size
	Straight-through (no punching)	
	Unfolded	A6 to A3 SEF, DLT, HLT, 12"x18", 13"x19", 12.6"x19.2", 13"x19.2", Tab sheets (A4, LT, LG)
	Z-Folded	A3, B4, A4 SEF, DLT, LG, LT SEF 12"x18" (from upstream Z-Folder unit).
Paper Weight	64.0–216.0 g/m ² (17.1 lb. Bond–79.9 lb. Cover)	
Ring Sizes	2 (50-sheet, 100-sheet)	
Punching	EU: A4 LEF: 23 holes NA: LT LEF: 21 holes	
Ring Supply	Cartridge feed: capacity: 80 rings max.	
Output Tray Capacity	51 to 100 leaf binding: 11 sets In comb binding punch mode: 100 sheets	
Punching Only	Up to 100 sheets	
Size	870 x 730 x 1010mm (34.3 x 28.7 x 38.8 in.)	
Weight	140 kg (308 lb)	
Power Supply	NA: 120V, 2.8A, 50/60Hz EU: 220–240V, 1.9–1.7A, 50/60Hz	
Power Consumption	Less than 400 W	

Item	Specification
DIP SW Settings	All OFF

Perfect Binder GB5010

Cover Interposer (Inserter)

Item	Specification
Feed System	Automatic Paper Feed
Trays	Two. Tray A (upper), Tray B (lower)
Cover Setting	Face-up stacking
Feed	Top to bottom
Transport Mode	Simplex
Cover Paper Type	Standard PPC, Color Paper, Coated Paper
	Paper type mixing not recommended
Cover Size	Standard: A4 SEF, A4 LEF, B5 SEF, B5 LEF, LT SEF, LT LEF, EXE SEF
	Width: 257 to 330.2 mm
	Length: 364 to 487.7 mm
	Recommended: 13"x19.2", 13"x19", 13"x18", A3, B4
Stack Capacity	200 sheets (or up to 24 mm in height) × 2
Paper Weight	90 g/m ² to 300 g/m ²
Paper Positioning	Center aligned
Paper Size Detection	Width: Adjustable slide-fence contact sensors
	Tray A, Tray B: 1 sensor each
	Length: Pulse count photo-sensors
Size (w x d x h)	621 x 679 x 213 mm (24.5 x 26.7 x 8.4 in.)
Weight	Approximately 17 kg (37.4 lb)

Item	Specification
Power Supply	DC 24V (supplied from host machine via Perfect Binder)
Power Consumption	Less than 103 W (maximum at operation)

Perfect Binder

Item	Specification	
Paper Positioning	Center aligned	
Delivery	Face-down	
Signature Thickness	10 to 200 sheets (64 to 80 g/m ²) 10 to 150 sheets (81 to 105 g/m ²) Max. thickness: Up to 23 mm (0.9 in.)	
Paper Size	Signature	Width: 182 to 228.6 mm Length: 257 to 320 mm
	Cover	Width: 257 to 330.2 mm Length: 364 to 487.7 mm
Paper Thickness	Signature	64 to 163 g/m ² * 106 to 163 g/m ² :Up to 10 slip sheets
	Cover	90 to 300 g/m ²
Finished Size	Width	139.7 mm to 216 mm
	Length	201 to 297 mm
Trimming Range	Top	6 to 28 mm
	Bottom	6 to 28 mm
	Fore Edge	6 to 50 mm

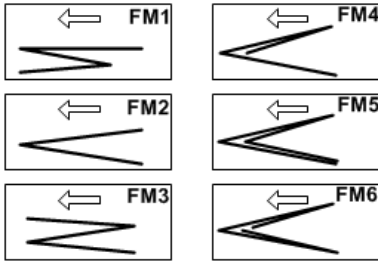
Item	Specification		
	Target	Signature	Cover
Recommended Cover/ Signature Size Ratios	A4	SRA4	13"x19.2" 13"x19" 13"x18" SRA3
	B5	A4	A3
	A5	B5	B4
	LT	9"x12"	13"x19.2" 13"x19"
Trimming Modes	3 cuts: Bottom, top, fore edge 1 cut: Fore edge (Limit: 297 mm) No cuts		
Downstream Delivery	Straight-through, no binding		
	Size	Width: 98.4 to 330.2 mm Length: 139.7 to 487.7 mm	
	Paper Weight	52 to 300 g/m ²	
Book Output Tray	Max.: 23 mm (80g/m ²) Book door locked during operation		
Warm-up Time	Less than 440 sec. (6.3 min.)		
Glue Capacity	Glue vat 380 g (continuous pellet supply) Approximately A4 to B5 100 books		
Trimming Box Capacity	More than 15 books Approx. A4 to B5 of 100 sheets each, 80 g/m ²		
Dimension (W x D x H)	1090 x 791 x 1387 mm (43 x 31 x 53.5 in.)		
Weight	350 kg (770 lb)		
Power Supply	EU: 220 to 240V 50/60 Hz NA: 208V 50/60 Hz		

Item	Specification
Power Consumption	Less than 623 W (with inserter)

Multi-Folding Unit FD5020

General

Operating Environment	Temperature and humidity ranges: Same as main machine.	
Service Life	Expected: 5 years or 60,000 K (A4 LEF)	
Paper Weight	<ul style="list-style-type: none"> With Z-fold, Half Fold, Letter Fold-out, Letter Fold-in, Double Parallel Fold, and Gate Fold: 64.0–105.0 g/m² (17.1–28.0 lb. Bond) With Multi-sheet Fold: 64.0–80.0 g/m² (17.1–21.0 lb. Bond) 	
Speed	Straight-Through	100 to 758 mm/s
	Folding	169 to 758 mm/s
Straight-Through Feed	Size	Postcard to 13"x19.2"
	Type	Used paper: A3, A4, B4, B5 OHP: A4, B5 Tap paper: A4 LEF, LT LEF
Folding Methods	6 methods (FM1 to FM6)	



FM1: Z-Folding
 FM2: Half Fold
 FM3: Letter Fold-out
 FM4: Letter Fold-in
 FM5: Double Parallel Fold
 FM6: Gate Fold

d454v900

Paper Sizes (Straight Through)	---	Postcard to 13 x 19.2 in.
Paper Sizes & Weight (Folding)	FM1	A3, B4, DLT, LG, A4, LT, 12"x18", 8K
	FM2	A3, B4, DLT, LG, A4, B5, LT 12"x18", 12.6"x18.5", 12.6"x19.2", 13"x18", 13"x19", 13"x19.2", 226x310 mm, 310x432 mm, SRA3, SRA4, 8K (64 to 105 g/m²)
	FM3	(64 to 80 g/m²) A3, B4, DLT, LG, A4, LT, B5, 12"x18", 8K
	FM4	
	FM5	
	FM6	
Multiple Folding	FM1	Not allowed
	FM2	Max. 3 (64 to 80 g/m ² only)
	FM3	Max. 3 (64 to 80 g/m ² only)
	FM4	Max. 3 (64 to 80 g/m ² , B4, A4, LT, B5 only)
	FM5	Not allowed
	FM6	
Line Speed (Only FM1 Z-Folded paper can exit downstream)		

No Fold	350 mm/sec. to top tray To downstream: Same as main machine.		
FM1	758 mm/sec. to top tray (paper < 355.6 mm long) 450 mm/sec. to top tray (paper < 355.6 mm long) To downstream: Same as main machine.		
FM2	1 Sheet: Same as main machine 2-3 Sheets: 454 mm/sec. 758 mm/sec. to top tray (paper <355.6 mm long) 350 mm/sec. to top tray (paper < 279.4 <355.6 mm long) 250 mm/sec. to top tray (paper < 279.4 mm long)		
FM3 FM4	1 Sheet: Same as main machine 2-3 Sheets: 454 mm/sec. to top tray 350 mm/sec. to top tray (paper < 420 mm long) 250 mm/sec. to top tray (paper < 420 mm long)		
FM5	1 Sheet: Same as main machine 350 mm/sec. to top tray (paper < 420 mm long) 250 mm/sec. to top tray (paper < 420 mm long)		
FM6	1 Sheet: Same as main machine as far as 3rd Stopper. At 3rd stopper feeds 50 mm at 100 mm/sec. 350 mm/sec. to top tray (paper < 420 mm long) 250 mm/sec. to top tray (paper < 420 mm long)		
Power Supply	NA	AC 120V 60 Hz, 2.0A	
	EU	AC 220-240V, 50/60 Hz 1.2A	
Power Consumption	240 W		
Dimension (W x D x H)	470 x 730 x 1000 mm (18.5 x 28.7 x 39.4 in.)		
Level	Less than 5 mm deviation at front/back, left/right		
Weight	92 kg (203 lb)		
Noise Level (dB A)	Mode	Alone	System
	No Folding	< 72 dB	---

	Folding	< 72 dB	< 76 dB
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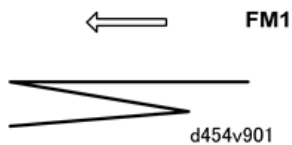
Tray Capacity

1

The capacity of the tray on top of the unit for folded paper is determined by these variables:

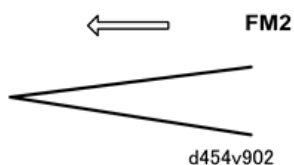
- Folding Methods (FM1 to FM6)
- Paper size
- Paper weight

Folding Mode FM1



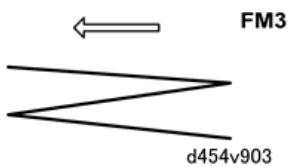
Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
8K	35	20
12"x18"	35	20
A3 SEF	35	20
DLT	35	20
B4 SEF	35	20
LG SEF	35	20
A4 SEF	30	20
LT SEF	30	20

Folding Mode FM2



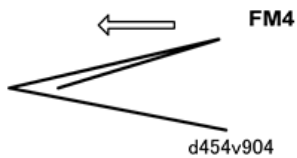
Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
13"x19.2"	40	25
13"x19"	40	25
12.6"x19.2"	40	25
12.6"x18.5"	40	25
13"x18"	40	25
SRA3 (320x450 mm)	40	25
SRA4 (225x320 mm)	40	25
226x310 mm	40	25
310x432 mm	40	25
8K	40	25
12"x18"	40	25
A3 SEF	40	25
DLT	40	25
B4 SEF	40	25
LG SEF	40	25
A4 SEF	50	50
LT SEF	50	50
B5 SEF	50	50

Folding Mode FM3



Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
8K	30	20
12"x18"	30	20
A3 SEF	30	20
DLT	30	20
B4 SEF	30	20
LG SEF	30	20
A4 SEF	40	30
LT SEF	40	30
B5 SEF	40	30

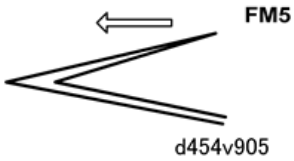
Folding Mode FM4



Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
8K	40	20
12"x18"	40	20
A3 SEF	40	20
DLT	40	20
B4 SEF	40	20
LG SEF	40	20
A4 SEF	50	40
LT SEF	50	40

Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
B5 SEF	50	40

Folding Mode FM5



Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
8K	30	20
12"x18"	30	20
A3 SEF	30	20
DLT	30	20
B4 SEF	30	20
LG SEF	30	20
A4 SEF	30	30
LT SEF	30	30
B5 SEF	30	30

Folding Mode FM6



Size	Weight (Standard) 64 to 80 g/m ²	Weight (Heavy) 64 to 80 g/m ²
8K	50	20
12"x18"	50	20
A3 SEF	50	20
DLT	50	20
B4 SEF	50	20
LG SEF	50	20
A4 SEF	30	30
LT SEF	30	30
B5 SEF	30	30

RPI Interface Box Type S3

Item	Specification	Notes
Number of Connection	1	
I/F (to the main machine)	RPPI	
I/F (to the peripheral)	RPPI2 Serial RS232 port.	
Power Source	Draw from the main machine	Supplied via RPPI cable
Dimensions (W x D x H)	150.2mm x 156.7mm x 53.9mm	
Weight	554.5 g	

2. Appendices: Preventive Maintenance Tables

Maintenance Tables

Note

- The amounts mentioned as the PM interval indicate the number of prints.
- After carrying out PM, clear the maintenance counter (SP7-622).

Preventive Maintenance Items

PM Parts

The parts mentioned in these tables have a target yield. However, the total copy/print volume made by the machine will not reach the target yield within the machine's targeted lifetime if the machine is used under the target usage conditions (ACV, color ratio, P/J, and C/O). So, these parts are categorized not as PM parts but as EM parts. The parts with "(R)" in this table are PM parts.

Chart: A4 (LT)/5%

Mode: 4 copies / original (prints/job)

Ratio 30%

Environment: Normal temperature and humidity

Yield may change depending on circumstances and print conditions.

Symbol keys: C: Clean, R: Replace, L: Lubricant, I: Inspect

Mainframe (Replacement)

PCDU

Items	450K	600K	900K	1800 K	EM	Remarks
PCU (OPC DRUM)			R			

Charge Unit

Items	450K	600K	900K	1800 K	EM	Remarks
Grid			R			
Corona Wire			R			
Grid Cleaner			R			
Wire Cleaner			R			
Wire Tension Spring			R			
Corona Wire Cushion			R			

PCU Cleaning Unit

Items	450K	600K	900K	1800 K	EM	Remarks
PCU Cleaning Roller				R		
PCU Cleaning Blade			R			
PCU Cleaning Lubrication Roller				R		
PCU Cleaning Lubrication Blade			R			
Lubricant Bar				R		
PCU Cleaning Collection Blade				R		

Remarks: Apply the grease (Barrierta S552R) to gears and seven bearings at optimum timing (standard timing for applying the grease: 900K).

For procedure, see the following sections in Main Chapters.

- 4. Replacement and Adjustment > Around the Drum > Applying the Grease to the Gears of PCU Cleaning Unit
- 4. Replacement and Adjustment > Around the Drum > Applying the Grease to the Bearings of the PCU Cleaning Unit



[A]:

- PCU Cleaning Blade: 900K
- PCU Cleaning Roller: 1800K
- PCU Cleaning Collection Blade: 1800K

[B]:

- PCU Cleaning Lubricant Blade: 900K
- PCU Cleaning Lubrication Roller: 1800K
- Lubricant Bar: 1800K

Intermediate Transfer Belt Unit (ITB)

Items	450K	900K	1800K	2800K	EM	Remarks
Intermediate Transfer Belt				R		
Image Transfer Roller (KCMY)			R			
Paper Transfer Bias Roller			R			
ITB Belt Speed Sensor Cover (Upper)		R				Description in parts catalog: PLATE:UPPER:POSITIONING SENSOR
ITB Belt Speed Sensor Cover (Lower)		R				Description in parts catalog: PLATE:LOWER:POSITIONING SENSOR

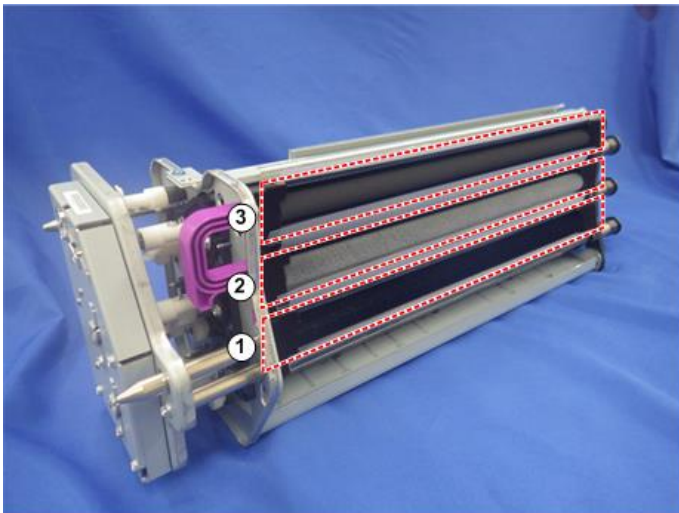
Remarks: You need to apply the grease (Molykote EM-50L (Dow Corning Toray Co.,Ltd.)) at 1600K to ITB motor drive gears. Make sure to apply the grease.

For procedure, see the following section in Main Chapters.

- 3. Preventive Maintenance > Lubrication Points > Intermediate Transfer Belt (ITB) Unit > ITB Motor Drive Gears

ITB Cleaning Unit (Consists of three different sub units ①, ②, and ③.)

Items	450K	900K	1800 K	2400 K	EM	Remarks
ITB Cleaning Roller		R				Each sub unit has a different P/No. See the parts catalog.
ITB Cleaning Blade		R				Commonly used in each sub unit.
ITB Cleaning Collection Roller		R				Each sub unit has a different P/No. See the parts catalog.
ITB Cleaning Vibrating Plate		R				Commonly used in each sub unit.



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ITB Lubrication Unit

Items	450K	900K	1800 K	2400 K	EM	Remarks
ITB Lubrication Roller		R				

Items	450K	900K	1800 K	2400 K	EM	Remarks
ITB Lubricant Bar		R				

Paper Transfer Unit (PTR)

Items	450K	900K	1800 K	2400 K	EM	Remarks
Paper Transfer Belt		R				
Paper Transfer Cleaning Blade		R				
Paper Transfer Lubrication Roller		R				
Paper Transfer Lubricant Bar		R				

Fuser Unit

Items	450K	900K	1200 K	1800 K	EM	Remarks
Fuser Belt			R			
Fusing Roller				R		
Pressure Roller			R			
Cleaning Web	R					
Thermistor				R ^{*1}		
Fusing Separation Subunit			R			
Smoothing Roller			R			

* 1: The following thermistors need replacement.

- Hot Roller Core Thermistor
- Heating Roller Thermistor (Edge)
- Fusing Belt Thermistor (Edge)

Remarks: You need to apply the grease at 1800K to fusing roller drive gears and relating parts.

For procedure, see the following section in Main Chapters.

- 3. Preventive Maintenance > Lubrication Points > Fuser Unit

Filters

Items	220K	900K	1200 K	1800 K	EM	Remarks
Dust Filter		R				
Ozone Filter			R			

Paper Tray

Items	450K	900K	1200 K	7000 K	EM	Remarks
Paper Feed Belt (Tray 1/2)				R		

Waste Toner Bottle

Items	220K	900K	1200 K	1800 K	EM	Remarks
Waste Toner Bottle	R					

Mainframe (Cleaning)

Optics

Items	450K	600K	900K	1800 K	EM	Remarks
Toner Shield Glass			C			Dry optical cloth

PCDU

Items	450K	600K	900K	1800 K	EM	Remarks
Quenching Lamp			C			Blower brush Dry cloth
Potential Sensor			C			Blower brush
Development Unit (Gears)			C			Dry cloth

Items	450K	600K	900K	1800 K	EM	Remarks
Development Unit			C			Dry cloth
Doctor Blade			C			
Toner Supply Unit			C			Blower brush Dry cloth
Vent Filter			C			

PCU Cleaning Unit

Items	450K	600K	900K	1800 K	EM	Remarks
PCU Cleaning Gears			L			Lubricate with the grease (Barrierta S552R) after replacing the PCU cleaning gears.
PCU Cleaning Bearings				L		Lubricate with the grease (Barrierta S552R).
Lubricant End Detection Switch				C		Clean with vacuum cleaner.



[A]:

- PCU Cleaning Gears: Lubricate at 900K
- PCU Cleaning Bearings: Lubricate at 1800K
- Lubricant End Detection Switch: Clean at 1800K

Intermediate Transfer Belt Unit (ITB)

Items	450K	900K	1800 K	2400 K	EM	Remarks
ITB Unit Internal Rollers			C*1			Dry cloth
ID/MUSIC Sensor (TM/P Sensor)		C				Damp cloth
ITB Motor Drive Gears			L			Lubricate with the grease (Molykote EM-50L (Dow Corning Toray Co.,Ltd.)).
ITB Belt Centering Sensor		C				Blower brush
ITB Belt Speed Sensor		C				Blower brush
Paper Transport Belt (PTB)		C				Dry cloth
Paper Transfer Entrance Plate		C				Dry cloth
Paper Transfer Exit Plate		C				Dry cloth
Developer Holder		C				Dry cloth

* 1: The following rollers need cleaning.

- Tension Roller
- ITB Lubrication Opposing Roller, ITB Cleaning Opposing Roller, Paper Transfer Bias Roller
- Press Roller, Transfer Sub Roller
- Drive Roller, Idle Roller 1-4, ITB Belt Centering Roller

Fuser Unit

Items	450K	900K	1200K	1800K	EM	Remarks
Heating Roller Thermopile		C				Blower brush
Separation plate		I/C*1				
Pressure Roller Pick-off Pawls					I/C	Dry cloth
Fusing Unit Entrance Guide		I/C				Dry cloth

Items	450K	900K	1200K	1800K	EM	Remarks
Fusing Roller Drive Gears (Upper and Lower)				L		Lubricate with the grease (FLUOTRIBO MG Grease).
Pressure Roller Drive Gears				L		Lubricate with the grease (FLUOTRIBO MG Grease).
Heating Roller Slip Ring				L		Lubricate with the grease (Barrierta S552R).
Sliding Parts of the Pressure Roller Bearing				L		Lubricate with the grease (Barrierta S552R).

* 1: The following plates need cleaning with a dry cloth.

- Pressure Roller Exit Plate (Lower)
- Fusing Unit Separation Plate

Filters

Items	220K	900K	1200K	1800K	EM	Remarks
Development Filter		C				Clean with a vacuum cleaner.
PSU Filter		C				Clean with a vacuum cleaner.
Controller Filter		C				Clean with a vacuum cleaner.
Ozone Filter		C				Clean with a vacuum cleaner.
VOC Filters		C				Clean with a vacuum cleaner.

Paper Transport

Items	450K	900K	1200K	7000K	EM	Remarks
Registration Timing Roller (Drive/Idle)		I/C				Clean with dry cloth for drive roller. Clean with alcohol for idle roller.
Registration Unit Internal Rollers		I/C*1				Clean with dry cloth for drive roller. Clean with alcohol for idle roller.
Transport Guide Plate		I/C				Dry cloth
Registration Timing Sensor		I/C				Blower brush
Paper Transport Sensors		I/C*1				Blower brush
Dust Collection Tray		C				
URRB (Double-Feed Sensor: Receptor), URTB (Double-Feed Sensor: Emitter)		I/C				Blower brush
CIS		C				Dry cloth
PTB Transport Sensor 1-4		I/C				Blower brush

* 1: The following rollers and sensors need cleaning.

- Rotary Gate Roller (Drive/Idle)
- Registration Relay Roller, PTR Timing Roller (Drive/Idle)
- LCT Relay Sensor, Registration Entrance Sensor 1-3
- Paper Transport Sensor 6, Paper Transport Roller 13-15 (Drive/Idle)
- Paper Transport Sensor 5, Paper Transport Roller 10-12 (Drive/Idle)
- Paper Transport Roller 7-9 (Drive/Idle)
- LCT Relay Roller, Registration Entrance Roller 1-3 (Drive/Idle)
- Paper Transport Sensor 7, Paper Transport Roller 16 (Drive/Idle)

Paper Trays

Items	450K	900K	1200K	1800K	EM	Remarks
Vertical Transport Sensor (Tray 1/2)		I/C				Blower brush
Paper Feed Sensor (Tray 1/2)		I/C				Blower brush

Duplex Unit

Items	450K	900K	1200K	1800K	EM	Remarks
Paper Transport Rollers (Drive/Idle)		C*1				Dry Cloth
Paper Transport Sensors		I/C*1				Dry Cloth

* 1: The following rollers and sensors need cleaning.

- Paper Transport Sensor 2-3, Paper Transport Roller 3-6 (Drive/Idle)
- Paper Transport Sensor 1, Paper Transport Roller 1-2 (Drive/Idle)
- Duplex Transport Sensor 1-2, Duplex Transport Roller 1-3

Paper Exit

Items	450K	900K	1200K	1800K	EM	Remarks
Paper Exit Rollers (Drive)		C*1				Dry Cloth
Paper Exit Rollers (Idle)		C*1				Dry Cloth
Paper Cooling Belt		I/C				Damp cloth
Discharge Brush (3 brushes)		C				Blower brush
Paper Exit Sensors (Drive/Idle)		I/C*1				Dry Cloth

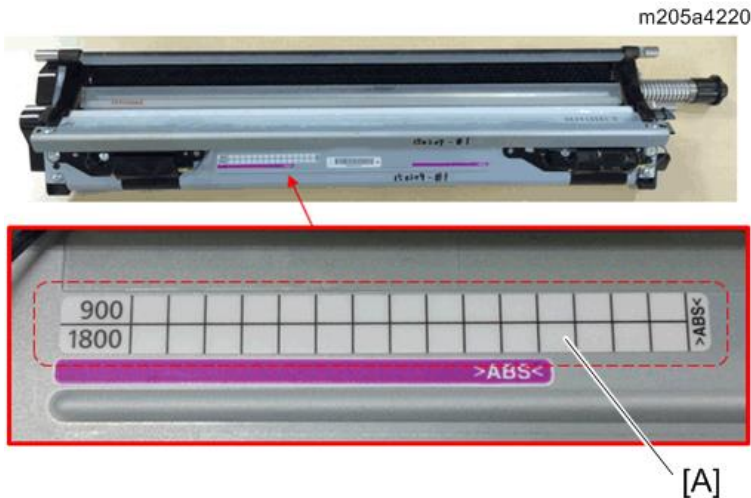
* 1: The following rollers and sensors need cleaning.

- Paper Exit Inverter Sensor, Paper Exit Inverter Roller (Drive/Idle), Inverter Exit Roller (Drive/Idle)
- Paper Exit Sensor, Paper Exit Roller (Drive/Idle), Paper Exit Relay Roller (Drive/Idle)

About the PM Check Sheet Decal for the PCU Cleaning Unit

As shown in the above tables, the PCU cleaning unit contains 900K PM items and 1800K PM items. In order to make it clear which PM items have been maintained for the PCU cleaning unit inside the machine, the PM check sheet decal [A] is available. This decal should be pasted on the PCU cleaning unit as shown below.

2



Note

- The PM check sheet decal [A] is available as a service part P/No. M2053627.
- From May 2015 production, this decal is attached to the PCU cleaning unit at the factory.

How to use the PM check sheet decal

1. When the PCU cleaning unit is brand new (OKP), there are no check marks on the decal.

900						
1,800						

m205a4221

2. When the 900K PM is applied, check the 1st 900K column as shown.

900	✓					
1,800						

m205a4222

3. When the 1800K PM is applied, check the 1st 1800K column as shown.

900	✓					
1,800	✓					

m205a4223

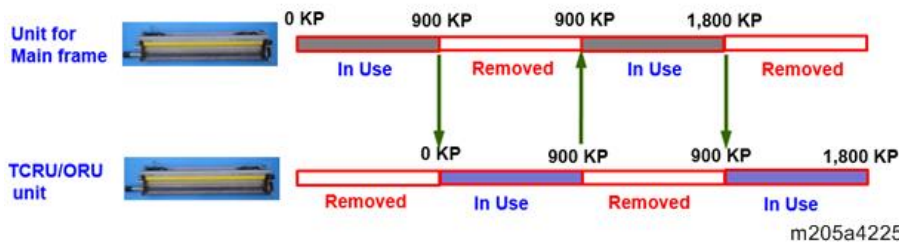
Note

- Keep making the check mark at every PM. For example, when the 6300KP PM is performed, the check marks should be as shown.

900	✓	✓	✓	✓		
1,800	✓	✓	✓			

m205a4224

In the Case of TCRU/ORU Service



m205a4225

Using the PM check sheet decal, technicians can recognize which maintenance items should be performed for the PCU cleaning units, which are used alternatively as shown in above diagram.

The customers should not make marks on the decals, or this system will not work.

In the above example, at the customer's site, there are two cleaning units; one is in the machine ('In Use') and one is standing by ('Removed'). At the start of the machine's life, neither of the units have any check marks on the decal.

The customer exchanges the units at 900k. The unit that was previously 'in use' is now 'removed', and vice versa. When the technician visits, the customer says that a unit needs servicing. The technician looks at the decal and sees no check marks. From that, the technician deduces that PM has not been done yet on this unit, so 900k PM must be performed. After servicing, the technician puts a check mark on the decal and tells the customer it can be used again.

The customer exchanges the units again at 1800k. The unit serviced by the technician, with one check mark on the decal, is now back in the machine 'in use'. When the technician visits, the customer says that a unit needs servicing. The technician looks at the decal and sees no check

marks (this unit has not been serviced yet). From that, the technician deduces that 900k PM must be performed on this unit. After servicing, the technician puts a check mark on the decal.

The customer exchanges the units again at 2700k. When the technician visits, the decal has one check mark (this is the cleaning unit that was serviced at 900 k). From that, the technician deduces that 1800k PM must be performed on this unit. After servicing, the technician puts the second check mark on the decal.

And so on.

Vacuum Feed LCIT RT5100

Item	7000K	EM	Note
Feed Belt (Tray 1, 2)	R		Replace 3belts at the same time.

Multi Bypass Tray BY5010

Item	1000K	EM	Note
Pickup Roller	R	I/C	<ul style="list-style-type: none"> • Clean as occasion demands • Water or Alcohol damp cloth
Feed Roller	R	I/C	
Separation Roller	R	I/C	

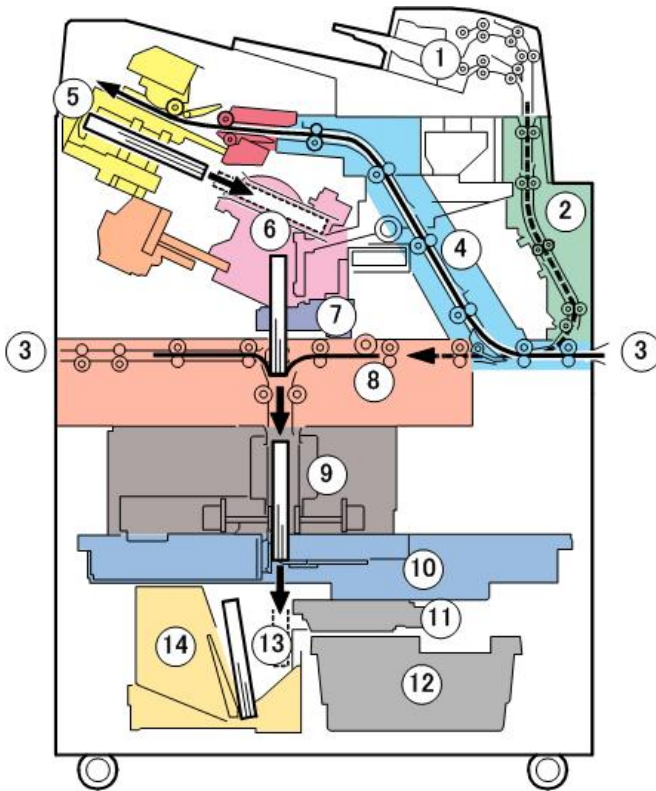
Trimmer Unit TR5040

Item	400K	EM	Note
Rollers (drive, idle rollers)		I/C	<ul style="list-style-type: none"> • As occasion demands • Water, clean cloth
Belts		I/C	
Brush		I/C	<ul style="list-style-type: none"> • As occasion demands • blower brush
Roller shafts		I/C	<ul style="list-style-type: none"> • As occasion demands • Lubricate with silicone oil if noisy
Sensors		I/C	<ul style="list-style-type: none"> • As occasion demands • Blower brush

Item	400K	EM	Note
Paper trimmings hopper		I/C	<ul style="list-style-type: none"> As occasion demands Empty, make sure the operator knows how to empty the hopper
Trimming Blade	R* ¹		

*1 Replace when the condition of blade becomes dull. Check the total count with SP7989-001 (Trim Count).

Perfect Binder GB5010



d7360001

No.	Area
1	Cover Interposer Tray for Perfect Binder Type S1
2	Vertical Path (Covers from Inserter)
3	Horizontal Paper Path

No.	Area
4	Signature Path
5	Stacking Tray
6	Main Grip Unit
7	Gluing Unit
8	Cover Registration Unit
9	Signature Rotation Unit
10	Trimming Unit
11	Trimming Buffer Unit
12	Trimming Box
13	Book Buffer
14	Book Output

Item	500K	1000 K	3000 K	4000 K	14300 K	28600 OK	2000 hr.	Note
Paper Transport	I							Paper wrinkled, creased, torn?
Operation	I							Operation correct?
Display Check	I							Correct messages displayed when door opened, etc.?
Covers	I/C							Damp cloth, check for damage
Safety	I							Spurious noise during operation?
Other	I							Used within specifications?

Item	500K	1000 K	3000 K	4000 K	14300 K	28600 OK	2000 hr.	Note
Drive Rollers	I/C							Alcohol damp cloth
Idle Rollers	I/C							
Anti-static Brushes	I/C							
Bearings	I/C/L							Silicone oil if noisy
Sensors	I/C							Blower brush
Blade				R ^{*1}				See Note 1
Trimming Buffer Unit				R ^{*2}				See Note 2
Blade Cradle		R ^{*1}						See Note 1
Cover Unit Switchback Roller Torque Limiter			R ^{*3}					See Note 3
Signature Thickness Sensor					R ^{*3}			See Note 3
Gluing Unit							R	2000 hours
Book Rotation Unit Diode					R ^{*3}			See Note 3
Trimming Buffer Motor					R ^{*3}			See Note 3
Main Grip Unit Gears					R ^{*3}			See Note 3
Torque Limiter (Signature Rotation Unit for Trimming)					R ^{*3}			See Note 3

Item	500K	1000 K	3000 K	4000 K	14300 K	28600 OK	2000 hr.	Note
Spine Fold Unit Harness (Left)					R*3			See Note 3
Spine Fold Unit Harness (Right)					R*3			See Note 3
Pickup Roller						R*3		See Note 3
Separation Roller						R*3		See Note 3
Feed Roller						R*3		See Note 3
Magnetic Clutch						R*3		See Note 3
Separation Roller Torque Limiter						R*3		See Note 3

*1 A message on the operation panel alerts the operator when it is time to replace this item.

*2 This item should always be replaced with the blade.

*3 Separate counts are logged for the operation of these items because they will not be the same as the sheet counts for the main machine (the finisher will not be used for every job so the counts will be different). Be sure to replace these items after their individual counts have been exceeded.

Ring Binder RB5020

Item	1000K	PM	Note
Paper Transport		I	Paper wrinkled, creased, torn?
Operation		I	Operation correct?
Display Check		I	Correct messages displayed when door opened, etc.?
Covers		I/C	Damp cloth, check for damage
Safety		I	Spurious noise during operation?

Item	1000K	PM	Note
Other		I	Used within specifications?
Drive Rollers		I/C	Dry cloth
Idle Rollers		I/C	
Anti-static Brushes		I/C	
Paddle Roller		I/C	
Bearings		I/C/L	Launa oil
Sensors		I/C	Blower brush
Punch	R	I/C	Replace at 1000K
Punch-outs *1	-	-	-

*1 Punch-outs need to be removed by the user. Make sure the user knows how to empty the hopper.

Booklet Finisher SR5060/Finisher SR5050

Item	500K	2000 K	2500 K	3000 K	5000 K	20000 K	EM	Note
Paper Transport	I/C						I/C	Paper wrinkled, creased, torn?
Operation	I/C						I/C	Operation correct?
Display Check	I/C						I/C	Correct messages displayed when door opened, etc.?
Covers	I/C						I/C	Damp cloth, check for damage
Safety	I/C						I/C	Spurious noise during operation?
Other	I/C						I/C	Used within specifications?

Item	500K	2000 K	2500 K	3000 K	5000 K	20000 K	EM	Note
Drive Rollers	I/C						I/C	Alcohol damp cloth
Idle Rollers	I/C						I/C	
Anti-static Brushes	I/C						I/C	
Brush Roller			R					
Bearings	I/C/L						I/C/L	Silicone oil if noisy
Sensors	I/C						I/C	Blower brush
Jog Fences	I/C						I/C	Make sure screws are tight
Corner Stapler					R			Empty hopper
Punch Unit		R						
Trimmings Hopper	I/C						I/C	Empty hopper
Positioning Roller			R					
Shift Sponge Roller				R				
Booklet Stapler						R		
Shift Tray Worm Gear							I/C	
Booklet Output Tray Belt	I/C						I/C	Alcohol damp cloth

★ Important

- As it is not limited to the counter of the main machine and the number of sheets fed through each function of the finisher being the same, when the counter of the main machine reaches the threshold, perform the inspection and replace if a problem is found.

Cover Interposer Tray CI5030

Item	60K	EM	Note
Drive, Idle rollers		I/C	<ul style="list-style-type: none"> • Clean as occasion demands • Damp cloth
Feed belt	R	I/C	
Separation Roller	R	I/C	
Pickup Roller	R	I/C	
Sensors		I/C	Blower brush
Transport Guide Plate		I/C	Damp cloth

Multi-Folding Unit FD5020

Item	20000K	60000K	EM	Note
Paper Transport			I	Paper wrinkled, creased, torn?
Operation			I	Operation correct?
Display Check			I	Correct messages displayed when door opened, etc.?
Covers			I/C	Damp cloth, check for damage
Safety			I	Spurious noise during operation?
Other			I	Used within specifications?
Drive Rollers			I/C	Alcohol damp cloth
Idle Rollers			I/C	
Anti-static Brushes			I/C	
Bearings			I/C/L	Silicone oil if noisy
Sensors			I/C	Blower brush

Item	20000K	60000K	EM	Note
Fold Rollers (1st, 2nd, 3rd)			I/C	Alcohol dampened cloth
Crease Rollers (drive, idle roller)			I/C	
Fold Roller Drive Gears			I/C/L	If lubrication insufficient, apply G501
Horizontal Transport Motor		R*1		See notes below
Horizontal Exit Motor		R*2		
Solenoid	R*3			

*1 Replace when the horizontal transport motor malfunctions after 51000K.

*2 Replace when the horizontal exit motor malfunctions after 51000K.

*3 Replace when the solenoid causes malfunctions after 20000K.

High Capacity Stacker SK5030

Item	500K	EM	Note
Drive Rollers	I/C	I/C	As occasion demands, clean with an alcohol.
Idle Rollers	I/C	I/C	
Anti-Static Brush	I/C	I/C	
Bearings	I/C	I/C	Lubricate with the grease when error occurs. Apply silicone oil for resin bearings. Apply launa oil for metallic bearings.
Sensors	I/C	I/C	Blower brush
Jogger Fences	I/C	I/C	
Tray Lift Motor	I/C	I/C	Lubricate with the grease (Mobiltemp 78).
Paddles	I/C	I/C	As occasion demands, clean with damp cloth.
Exit Roller Shaft	I/C	I/C	

3. Appendices: SP Mode Tables

Group 1000 (1/4)

SP1-001 to -121 (Feed)

1001	[Lead Edge Reg Front Side]		
	Adjust the image position against the transfer paper by adjusting timing of start registration. Reflects adjustment values with no change. "+" is the direction from which images come out. (Makes the registration start fast.) "-" is the direction which images disappear. (Makes the registration start slow.)		
1-001-001	Tray1	ENG	[-3.0 to 3.0 / 0.0 / 0.1 mm/step]
1-001-002	Tray2	ENG	
1-001-003	LCT1: Tray3	ENG	
1-001-004	LCT1: Tray4	ENG	
1-001-005	LCT2: Tray5	ENG	
1-001-006	LCT2: Tray6	ENG	
1-001-007	LCT3: Tray7	ENG	
1-001-008	LCT3: Tray8	ENG	
1-001-009	By-Pass Tray	ENG	

1002	[Lead Edge Reg Back Side]		
	Adjust the image position against the transfer paper by adjusting timing of start registration. Reflects adjustment values with no change. "+" is the direction from which images come out. (Makes the registration start fast.) "-" is the direction which images disappear. (Makes the registration start slow.)		

1-002-001	Tray1	ENG	[-3.0 to 3.0 / 0.0 / 0.1 mm/step]
1-002-002	Tray2	ENG	
1-002-003	LCT1: Tray3	ENG	
1-002-004	LCT1: Tray4	ENG	
1-002-005	LCT2: Tray5	ENG	
1-002-006	LCT2: Tray6	ENG	
1-002-007	LCT3: Tray7	ENG	
1-002-008	LCT3: Tray8	ENG	
1-002-009	By-Pass Tray	ENG	

1003	[Side-to-Side Reg Front Side]		
	Adjust image position against the transfer paper by adjusting start position for writing. Reflects adjustment values with no change. "+" is the direction to which images shift. (Trimming area in the left increases.) "-" is the direction to which images shift. (Trimming area in the left decreases.)		
1-003-001	Tray1	ENG	[-3.0 to 3.0 / 0.0 / 0.1 mm/step]
1-003-002	Tray2	ENG	
1-003-003	LCT1: Tray3	ENG	
1-003-004	LCT1: Tray4	ENG	
1-003-005	LCT2: Tray5	ENG	
1-003-006	LCT2: Tray6	ENG	
1-003-007	LCT3: Tray7	ENG	
1-003-008	LCT3: Tray8	ENG	
1-003-009	By-Pass Tray	ENG	

1004	[Side-to-Side Reg Back Side]		
	Adjust image position against the transfer paper by adjusting start position for writing. Reflects adjustment values with no change. "+" is the direction to which images shift. (Trimming area in the left increases.) "-" is the direction to which images shift. (Trimming area in the left decreases.)		
1-004-001	Tray1	ENG	[-3.0 to 3.0 / 0.0 / 0.1 mm/step]
1-004-002	Tray2	ENG	
1-004-003	LCT1: Tray3	ENG	
1-004-004	LCT1: Tray4	ENG	
1-004-005	LCT2: Tray5	ENG	
1-004-006	LCT2: Tray6	ENG	
1-004-007	LCT3: Tray7	ENG	
1-004-008	LCT3: Tray8	ENG	
1-004-009	By-Pass Tray	ENG	

1005	[Reg Buckle Adj]		
	The movement to drive the main unit relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. "+" makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. "-" makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
1-005-001	Paper Weight 1	ENG	[-3.0 to 5.0 / 1 / 1 mm/step]
1-005-002	Paper Weight 2	ENG	[-3.0 to 5.0 / 1 / 1 mm/step]
1-005-003	Paper Weight 3	ENG	[-3.0 to 5.0 / 0 / 1 mm/step]
1-005-004	Paper Weight 4	ENG	[-3.0 to 5.0 / 0 / 1 mm/step]
1-005-005	Paper Weight 5	ENG	[-3.0 to 5.0 / -1 / 1 mm/step]
1-005-006	Paper Weight 6	ENG	[-3.0 to 5.0 / -1 / 1 mm/step]
1-005-007	Paper Weight 7	ENG	[-3.0 to 5.0 / -1 / 1 mm/step]

1-005-008	Paper Weight 8	ENG	[-3.0 to 5.0 / -1 / 1 mm/step]
1-005-009	Paper Weight 9	ENG	[-3.0 to 5.0 / -2 / 1 mm/step]

1006	[Fine Adj Trans Tmg Roll Spd]		
	The movement to drive the duplex Inverter roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the duplex transfer roller 1. + makes paper buckles bigger and the pressure of the top edge of the paper against the duplex Inverter roller 1 increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper.		
1-006-001	Plain:Weight 1	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-002	Plain:Weight 2	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-003	Plain:Weight 3	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-004	Plain:Weight 4	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-005	Plain:Weight 5	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-006	Plain:Weight 6	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-007	Plain:Weight 7	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-008	Plain:Weight 8	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-009	Plain:Weight 9	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-011	Matte:Weight 1	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-012	Matte:Weight 2	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-013	Matte:Weight 3	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-014	Matte:Weight 4	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-015	Matte:Weight 5	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-016	Matte:Weight 6	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-017	Matte:Weight 7	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-018	Matte:Weight 8	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-019	Matte:Weight 9	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]

1-006-021	Glossy:Weight 1	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-022	Glossy:Weight 2	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-023	Glossy:Weight 3	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-024	Glossy:Weight 4	ENG	[-3.0 to 3.0 / 0.2 / 0.1%/step]
1-006-025	Glossy:Weight 5	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-026	Glossy:Weight 6	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-027	Glossy:Weight 7	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-028	Glossy:Weight 8	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-029	Glossy:Weight 9	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-031	Envelope:Weight 5	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-032	Envelope:Weight 6	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]
1-006-033	Envelope:Weight 7	ENG	[-3.0 to 3.0 / -0.3 / 0.1%/step]
1-006-041	OHP	ENG	[-3.0 to 3.0 / 0.0 / 0.1%/step]

1007	[Side-to-Side Reg(Shift:Off)F]
	Fine-tunes the line speed of the 1st feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.

1-007-001	Tray1	ENG	[-13.0 to 13.0 / 0.0 / 0.1 mm/step]
1-007-002	Tray2	ENG	
1-007-003	LCT1: Tray3	ENG	
1-007-004	LCT1: Tray4	ENG	
1-007-005	LCT2: Tray5	ENG	
1-007-006	LCT2: Tray6	ENG	
1-007-007	LCT3: Tray7	ENG	
1-007-008	LCT3: Tray8	ENG	
1-007-009	By-Pass Tray	ENG	

1008	[Side-to-Side Reg(Shift:Off)B]		
1-008-001	Tray1	ENG	[-13.0 to 13.0 / 0.0 / 0.1 mm/step]
1-008-002	Tray2	ENG	
1-008-003	LCT1: Tray3	ENG	
1-008-004	LCT1: Tray4	ENG	
1-008-005	LCT2: Tray5	ENG	
1-008-006	LCT2: Tray6	ENG	
1-008-007	LCT3: Tray7	ENG	
1-008-008	LCT3: Tray8	ENG	
1-008-009	By-Pass Tray	ENG	

1009	[Trans Tmg Roll Spd: Env Crrct]		
	Fine-tunes the line speed of the 1st feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
1-009-001	LLL	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]

1-009-002	LL	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
1-009-003	ML	ENG	[-1.0 to 1.0 / 0.1 / 0.1%/step]
1-009-004	MM	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
1-009-005	MH	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
1-009-006	HH	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]

1010	[Motor Adj:630mm/s]		
	Fine-tunes the line speed of the 2nd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
1-010-001	Drum Motor:K	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-010-002	Drum Motor:C	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-010-003	Drum Motor:M	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-010-004	Drum Motor:Y	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-010-011	K Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-010-012	C Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-010-013	M Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-010-014	Y Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-010-016	ITB Motor	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-010-017	PTR Motor	ENG	[-5.0 to 5.0 / 0.0 / 0.01%/step]
1-010-029	Fusing Motor	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]

1011	[Motor Adj:504mm/s]		
	Fine-tunes the line speed of the 2nd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
1-011-001	Drum Motor:K	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-011-002	Drum Motor:C	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-011-003	Drum Motor:M	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]

1-011-004	Drum Motor:Y	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-011-011	K Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-011-012	C Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-011-013	M Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-011-014	Y Drum CL Mtr	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-011-016	ITB Motor	ENG	[-3.0 to 3.0 / 0.0 / 0.01%/step]
1-011-017	PTR Motor	ENG	[-5.0 to 5.0 / 0.0 / 0.01%/step]
1-011-029	Fusing Motor	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]

1012	[Paper Cool Belt Motor Spd Adj]		
	The movement to drive the duplex Inverter roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the duplex transfer roller 1. + makes paper buckles bigger and the pressure of the top edge of the paper against the duplex Inverter roller 1 increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper.		
	1-012-001	Plain: Weight 1	ENG
	1-012-002	Plain: Weight 2	ENG
	1-012-003	Plain: Weight 3	ENG
	1-012-004	Plain: Weight 4	ENG
	1-012-005	Plain: Weight 5	ENG
	1-012-006	Plain: Weight 6	ENG
	1-012-007	Plain: Weight 7	ENG
	1-012-008	Plain: Weight 8	ENG
1-012-009	Plain: Weight 9	ENG	

1-012-011	Matte: Weight 1	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-012-012	Matte: Weight 2	ENG	
1-012-013	Matte: Weight 3	ENG	
1-012-014	Matte: Weight 4	ENG	
1-012-015	Matte: Weight 5	ENG	
1-012-016	Matte: Weight 6	ENG	
1-012-017	Matte: Weight 7	ENG	
1-012-018	Matte: Weight 8	ENG	
1-012-019	Matte: Weight 9	ENG	
1-012-021	Glossy: Weight 1	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-012-022	Glossy: Weight 2	ENG	
1-012-023	Glossy: Weight 3	ENG	
1-012-024	Glossy: Weight 4	ENG	
1-012-025	Glossy: Weight 5	ENG	
1-012-026	Glossy: Weight 6	ENG	
1-012-027	Glossy: Weight 7	ENG	
1-012-028	Glossy: Weight 8	ENG	
1-012-029	Glossy: Weight 9	ENG	
1-012-031	Envelope: Weight 5	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-012-032	Envelope: Weight 6	ENG	
1-012-033	Envelope: Weight 7	ENG	
1-012-041	OHP	ENG	

1013	[Fine Adj Standard Speed]
	Sets fine adjustments of standard speed for rollers /motors to prevent abnormal images such as glossy streaks, rippling gloss unevenness and image scratches.

1-013-001	Inverter Entrance Motor Spd	ENG	[-5.0 to 5.0 / 0.5 / 0.1%/step]
1-013-002	Paper Exit Inverter Motor Spd	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-013-003	Duplex Inverter Motor Spd	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-013-004	Paper Exit Motor Spd	ENG	[-5.0 to 5.0 / 0.0 / 0.1%/step]
1-013-006	Decurl Transport Motor 1 Spd	ENG	[-3 to 10 / 0.0 / 0.5%/step]
1-013-007	Decurl Transport Motor 2 Spd	ENG	[-3 to 10 / 0.0 / 0.5%/step]
1-013-008	Paper Cooling Belt Mtr Spd	ENG	[-1078 to 1987 / Def* / 0.1 rpm/step] *: 1907.5 for M238, 1526.0 for M205
1-013-009	Paper Cooling Belt Mtr Spd: Low	ENG	[-1078 to 1987 / 1144.5 / 0.1 rpm/step]

1015	[Develop Motor Speed adj]		
	Sets the develop motor speed adjustment for each color.		
1-015-001	K: Standard Speed	ENG	[343 to 719 / Def* / 1 rpm/step]
1-015-002	C: Standard Speed	ENG	*: 584 for M238, 467 for M205
1-015-003	M: Standard Speed	ENG	
1-015-004	Y: Standard Speed	ENG	
1-015-005	K: Low Speed	ENG	
1-015-006	C: Low Speed	ENG	
1-015-007	M: Low Speed	ENG	
1-015-008	Y: Low Speed	ENG	
1-015-010	Gradual Speed Up: Drive Time	ENG	

1016	[Motor Adj:378mm/s]		
	Sets motor speed adjustments to prevent abnormal images such as glossy streaks, rippling gloss unevenness and image scratches.		

1-016-001	Drum Motor:K	ENG	[-3 to 3 / 0.0 / 0.01 %/step]
1-016-002	Drum Motor:C	ENG	
1-016-003	Drum Motor:M	ENG	
1-016-004	Drum Motor:Y	ENG	
1-016-011	K Drum CL Mtr	ENG	[-5 to 5 / 0.0 / 0.1 %/step]
1-016-012	C Drum CL Mtr	ENG	
1-016-013	M Drum CL Mtr	ENG	
1-016-014	Y Drum CL Mtr	ENG	
1-016-016	ITB Motor	ENG	[-3 to 3 / 0.0 / 0.01 %/step]
1-016-017	PTR Motor	ENG	[-5 to 5 / 0.0 / 0.01 %/step]
1-016-029	Fusing Motor	ENG	[-5 to 5 / 0.0 / 0.1 %/step]

1021	[Skew Detect]		
	Sets the skew detection for each tray.		
1-021-001	Tray1	ENG	[0 or 1 / 1 / 1/step] 0: Off 1: On
1-021-002	Tray2	ENG	
1-021-003	LCT1: Tray3	ENG	
1-021-004	LCT1: Tray4	ENG	
1-021-005	LCT2: Tray5	ENG	
1-021-006	LCT2: Tray6	ENG	
1-021-007	LCT3: Tray7	ENG	
1-021-008	LCT3: Tray8	ENG	
1-021-009	By-Pass Tray	ENG	

1022	[Skew Correction Level Setting]		
	Sets the skew correction level for each tray.		

1-022-001	Tray1	ENG	[1.6 to 7.5 / 3.0 / 0.1 mm/step]
1-022-002	Tray2	ENG	
1-022-003	LCT1: Tray3	ENG	
1-022-004	LCT1: Tray4	ENG	
1-022-005	LCT2: Tray5	ENG	
1-022-006	LCT2: Tray6	ENG	
1-022-007	LCT3: Tray7	ENG	
1-022-008	LCT3: Tray8	ENG	
1-022-009	By-Pass Tray	ENG	

1023	[PT Gap Adjustment]		
	0: OFF 1: ON: Small Gap 2: ON: Medium Gap 3: ON: Large Gap		
1-023-001	Plain:Weight 1	ENG	[0 to 3 / 0 / 1/step]
1-023-002	Plain:Weight 2	ENG	
1-023-003	Plain:Weight 3	ENG	
1-023-004	Plain:Weight 4	ENG	
1-023-005	Plain:Weight 5	ENG	
1-023-006	Plain:Weight 6	ENG	
1-023-007	Plain:Weight 7	ENG	
1-023-008	Plain:Weight 8	ENG	
1-023-009	Plain:Weight 9	ENG	

1-023-011	Glossy:Weight 1	ENG	[0 to 3 / 0 / 1/step]
1-023-012	Glossy:Weight 2	ENG	
1-023-013	Glossy:Weight 3	ENG	
1-023-014	Glossy:Weight 4	ENG	
1-023-015	Glossy:Weight 5	ENG	
1-023-016	Glossy:Weight 6	ENG	
1-023-017	Glossy:Weight 7	ENG	
1-023-018	Glossy:Weight 8	ENG	
1-023-019	Glossy:Weight 9	ENG	
1-023-021	Matte:Weight 1	ENG	[0 to 3 / 0 / 1/step]
1-023-022	Matte:Weight 2	ENG	
1-023-023	Matte:Weight 3	ENG	
1-023-024	Matte:Weight 4	ENG	
1-023-025	Matte:Weight 5	ENG	
1-023-026	Matte:Weight 6	ENG	
1-023-027	Matte:Weight 7	ENG	
1-023-028	Matte:Weight 8	ENG	
1-023-029	Matte:Weight 9	ENG	

1-023-031	Embossed:Weight 1	ENG	[0 to 3 / 0 / 1/step]
1-023-032	Embossed:Weight 2	ENG	
1-023-033	Embossed:Weight 3	ENG	
1-023-034	Embossed:Weight 4	ENG	
1-023-035	Embossed:Weight 5	ENG	
1-023-036	Embossed:Weight 6	ENG	
1-023-037	Embossed:Weight 7	ENG	
1-023-038	Embossed:Weight 8	ENG	
1-023-039	Embossed:Weight 9	ENG	
1-023-055	OHP:Weight 5	ENG	[0 to 3 / 0 / 1/step]
1-023-061	Tracing:Weight 1	ENG	[0 to 3 / 0 / 1/step]
1-023-075	Envelope:Weight 5	ENG	[0 to 3 / 0 / 1/step]
1-023-076	Envelope:Weight 6	ENG	
1-023-077	Envelope:Weight 7	ENG	
1-023-081	Magnet	ENG	[0 to 3 / 0 / 1/step]

1025	[PTR Trans Lift Timing]
	<p>Sets the detaching timing for Shock Jitter Canceling.</p> <p>Detaching timing gets faster when the value gets smaller.</p> <p>Detaching timing gets slower when the value gets larger.</p>

1-025-001	Contact:Weight 1	ENG	[-50 to 50 / 10 / 1 mm/step]
1-025-002	Contact:Weight 2	ENG	
1-025-003	Contact:Weight 3	ENG	
1-025-004	Contact:Weight 4	ENG	
1-025-005	Contact:Weight 5	ENG	
1-025-006	Contact:Weight 6	ENG	
1-025-007	Contact:Weight 7	ENG	
1-025-008	Contact:Weight 8	ENG	
1-025-009	Contact:Weight 9	ENG	
1-025-011	Separate:Weight 1	ENG	[-50 to 50 / -5 / 1 mm/step]
1-025-012	Separate:Weight 2	ENG	
1-025-013	Separate:Weight 3	ENG	
1-025-014	Separate:Weight 4	ENG	
1-025-015	Separate:Weight 5	ENG	
1-025-016	Separate:Weight 6	ENG	
1-025-017	Separate:Weight 7	ENG	
1-025-018	Separate:Weight 8	ENG	
1-025-019	Separate:Weight 9	ENG	

1031	[Rotary Gate Adjustment]		
	Sets the rotary gate (home position) adjustment.		
1-031-001	Home Position	ENG	[-10 to 10 / 0 / 1 pulse/step]

1032	[Rotary Gate HP Adjustment]		
	Sets the rotary gate (home position) adjustment for each paper weight.		
1-032-001	Paper Weight 1	ENG	[-15 to 15 / 2 / 1 pulse/step]
1-032-002	Paper Weight 2	ENG	

1-032-003	Paper Weight 3	ENG	[-15 to 15 / 0 / 1 pulse/step]
1-032-004	Paper Weight 4	ENG	
1-032-005	Paper Weight 5	ENG	[-15 to 15 / -4 / 1 pulse/step]
1-032-006	Paper Weight 6	ENG	
1-032-007	Paper Weight 7	ENG	
1-032-008	Paper Weight 8	ENG	
1-032-009	Paper Weight 9	ENG	

1101	[Reload Permit Setting]		
1-101-00 2	Reload Target Temp.:Center	ENG	[0 to 200 / Def* / 1 deg/step] *: 163 for M238, 158 for M205
	Reload Permit Temp: Center		
1-101-00 3	Reload Target Temp.:Press	ENG	[0 to 200 / 90 / 1 deg/step]
	Reload Permit Temp: Press		
1-101-00 4	Temp.:Delta:Cold:Center	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center		
1-101-00 5	Temp.:Delta:Cold:End	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Set: Temp: Delta: Cold: End		
1-101-00 6	Temp.:Delta:Cold:Press:Center	ENG	[0 to 200 / 30 / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press		
1-101-00 7	Rotation Time:Cold	ENG	[0 to 500 / 350 / 1 sec/step]
	Reload Rotation Time for Cold		
1-101-00 8	Temp.:Delta:Warm:Center	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center		
1-101-00 9	Temp.:Delta:Warm:End	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Set: Temp: Delta: Cold: End		

1-101-01 0	Temp.:Delta:Warm:Press:Center	ENG	[0 to 200 / 30 / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press End		
1-101-01 1	Rotation Time:Warm	ENG	[0 to 100 / 30 / 1 sec/step]
	Reload Rotation Time for Warm		
1-101-01 2	Temp.:Delta:Hot:Center	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Temp Delta: Hot: Center		
1-101-01 3	Temp.:Delta:Hot:End	ENG	[0 to 200 / 0 / 1 deg/step]
	Reload Permit Set: Temp: Delta: Hot: End		
1-101-01 4	Temp.:Delta:Hot:Press:Center	ENG	[0 to 200 / 30 / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press		
1-101-01 5	Rotation Time:Hot	ENG	[0 to 100 / 0 / 1 sec/step]
	Reload Rotation Time for Hot		
1-101-02 0	Roll Core Temp Judgment	ENG	[0 or 1 / 1 / 1/step] 0: Roll Core Detection:OFF 1:Roll Core Detection: ON
	Cored bar Reload Permit Temp detection ON/OFF settings		
1-101-02 1	Roll Core Temp	ENG	[0 to 120 / 30 / 1 deg/step]
	Cored bar Reload Permit Temp		

1102	[Feed Permit Setting]		
1-102-019	Feed Permit time	ENG	[0 to 500 / 300 / 1 sec/step]
	Set time for starting operation before feeding through to feeding permission		
1-102-020	Press Upper Temp	ENG	[0 to 60 / 30 / 1 sec/step]
1-102-021	Press Down Temp	ENG	[0 to 60 / 30 / 1 sec/step]

1-102-101	Temp Diff Heating Roller: Lower 1	ENG	[0 to 60 / 3 / 1 deg/step]
	Pattern 1 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
1-102-102	Temp Diff Heating Roller: Upper 1	ENG	[0 to 60 / 10 / 1 deg/step]
	Pattern 1 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
1-102-103	Temp Diff Press Roller: Lower 1	ENG	[0 to 60 / 0 / 1 deg/step]
	Pattern 1 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
1-102-104	Temp Diff Press Roller: Upper 1	ENG	[0 to 60 / 20 / 1 deg/step]
	Pattern 1 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
1-102-106	Temp Diff Heating Roller: Lower 2	ENG	[0 to 60 / 5 / 1 deg/step]
	Pattern 2 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
1-102-107	Temp Diff Heating Roller: Upper 2	ENG	[0 to 60 / 5 / 1 deg/step]
	Pattern 2 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
1-102-108	Temp Diff Press Roller: Lower 2	ENG	[0 to 60 / 0 / 1 deg/step]
	Pattern 2 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
1-102-109	Temp Diff Press Roller: Upper 2	ENG	[0 to 60 / 20 / 1 deg/step]
	Pattern 2 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
1-102-111	Temp Diff Heating Roller: Lower 3	ENG	[0 to 60 / 5 / 1 deg/step]
1-102-112	Temp Diff Heating Roller: Upper 3	ENG	[0 to 60 / 14 / 1 deg/step]
1-102-113	Temp Diff Press Roller: Lower 3	ENG	[0 to 60 / 0 / 1 deg/step]
1-102-114	Temp Diff Press Roller: Upper 3	ENG	[0 to 60 / 20 / 1 deg/step]
1-102-116	Temp Diff Heating Roller: Lower 4	ENG	[0 to 60 / 5 / 1 deg/step]

1-102-117	Temp Diff Heating Roller: Upper 4	ENG	[0 to 60 / 20 / 1 deg/step]
1-102-118	Temp Diff Press Roller: Lower 4	ENG	[0 to 60 / 0 / 1 deg/step]
1-102-119	Temp Diff Press Roller: Upper 4	ENG	[0 to 60 / 55 / 1 deg/step]
1-102-121	Temp Diff Heating Roller: Lower 5	ENG	[0 to 60 / 5 / 1 deg/step]
1-102-122	Temp Diff Heating Roller: Upper 5	ENG	[0 to 60 / 5 / 1 deg/step]
1-102-123	Temp Diff Press Roller: Lower 5	ENG	[0 to 60 / 0 / 1 deg/step]
1-102-124	Temp Diff Press Roller: Upper 5	ENG	[0 to 60 / 10 / 1 deg/step]
1-102-126	Temp Diff Heating Roller: Lower 6	ENG	[0 to 60 / 5 / 1 deg/step]
1-102-127	Temp Diff Heating Roller: Upper 6	ENG	[0 to 60 / 30 / 1 deg/step]
1-102-128	Temp Diff Press Roller: Lower 6	ENG	[0 to 60 / 0 / 1 deg/step]
1-102-129	Temp Diff Press Roller: Upper 6	ENG	[0 to 60 / 60 / 1 deg/step]
1-102-131	Temp Diff Heating Roller: Lower 7	ENG	[0 to 60 / 5 / 1 deg/step]
1-102-132	Temp Diff Heating Roller: Upper 7	ENG	[0 to 60 / 60 / 1 deg/step]
1-102-133	Temp Diff Press Roller: Lower 7	ENG	[0 to 60 / 0 / 1 deg/step]
1-102-134	Temp Diff Press Roller: Upper 7	ENG	[0 to 60 / 60 / 1 deg/step]
1102	[Feed Permit Setting]		
	1: Feed Permit Set Htg Pat1 2: Feed Permit Set Htg Pat2 3: Feed Permit Set Htg Pat3 4: Feed Permit Set Htg Pat4 5: Feed Permit Set Htg Pat5 6: Feed Permit Set Htg Pat6 7: Feed Permit Set Htg Pat7		
1-102-201	Normal: Uncoated Thick 1	ENG	[1 to 7 / 3 / 1/step]
1-102-202	Normal: Uncoated Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-102-203	Normal: Uncoated Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-102-204	Normal: Uncoated Thick 4	ENG	[1 to 7 / 3 / 1/step]

1-102-205	Normal: Uncoated Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-102-206	Normal: Uncoated Thick 6	ENG	[1 to 7 / 3 / 1/step]
1-102-207	Normal: Uncoated Thick 7	ENG	[1 to 7 / 3 / 1/step]
1-102-208	Normal: Uncoated Thick 8	ENG	[1 to 7 / 3 / 1/step]
1-102-209	Normal: Uncoated Thick 9	ENG	[1 to 7 / 3 / 1/step]
1-102-210	Normal: Matte Thick 1	ENG	[1 to 7 / 3 / 1/step]
1-102-211	Normal: Matte Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-102-212	Normal: Matte Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-102-213	Normal: Matte Thick 4	ENG	[1 to 7 / 3 / 1/step]
1-102-214	Normal: Matte Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-102-215	Normal: Matte Thick 6	ENG	[1 to 7 / 3 / 1/step]
1-102-216	Normal: Matte Thick 7	ENG	[1 to 7 / 3 / 1/step]
1-102-217	Normal: Matte Thick 8	ENG	[1 to 7 / 3 / 1/step]
1-102-218	Normal: Matte Thick 9	ENG	[1 to 7 / 3 / 1/step]
1-102-219	Normal: Glossy Thick 1	ENG	[1 to 7 / 3 / 1/step]
1-102-220	Normal: Glossy Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-102-221	Normal: Glossy Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-102-222	Normal: Glossy Thick 4	ENG	[1 to 7 / 3 / 1/step]
1-102-223	Normal: Glossy Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-102-224	Normal: Glossy Thick 6	ENG	[1 to 7 / 3 / 1/step]
1-102-225	Normal: Glossy Thick 7	ENG	[1 to 7 / 3 / 1/step]
1-102-226	Normal: Glossy Thick 8	ENG	[1 to 7 / 3 / 1/step]
1-102-227	Normal: Glossy Thick 9	ENG	[1 to 7 / 3 / 1/step]
1-102-228	Output Priority: Uncoated Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-102-229	Output Priority: Uncoated Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-102-230	Output Priority: Uncoated Thick 3	ENG	[1 to 7 / 7 / 1/step]

1-102-231	Output Priority: Uncoated Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-102-232	Output Priority: Uncoated Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-102-233	Output Priority: Uncoated Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-102-234	Output Priority: Uncoated Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-102-235	Output Priority: Uncoated Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-102-236	Output Priority: Uncoated Thick 9	ENG	[1 to 7 / 7 / 1/step]
1-102-237	Output Priority: Matte Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-102-238	Output Priority: Matte Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-102-239	Output Priority: Matte Thick 3	ENG	[1 to 7 / 7 / 1/step]
1-102-240	Output Priority: Matte Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-102-241	Output Priority: Matte Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-102-242	Output Priority: Matte Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-102-243	Output Priority: Matte Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-102-244	Output Priority: Matte Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-102-245	Output Priority: Matte Thick 9	ENG	[1 to 7 / 7 / 1/step]
1-102-246	Output Priority: Glossy Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-102-247	Output Priority: Glossy Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-102-248	Output Priority: Glossy Thick 3	ENG	[1 to 7 / 7 / 1/step]
1-102-249	Output Priority: Glossy Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-102-250	Output Priority: Glossy Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-102-251	Output Priority: Glossy Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-102-252	Output Priority: Glossy Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-102-253	Output Priority: Glossy Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-102-254	Output Priority: Glossy Thick 9	ENG	[1 to 7 / 7 / 1/step]

1103	[Feed Permit Setting2]		
	1: Feed Permit Set Pres Pat1		
	2: Feed Permit Set Pres Pat2		
	3: Feed Permit Set Pres Pat3		
	4: Feed Permit Set Pres Pat4		
	5: Feed Permit Set Pres Pat5		
	6: Feed Permit Set Pres Pat6		
	7: Feed Permit Set Pres Pat7		
1-103-201	Normal: Uncoated Thick 1	ENG	[1 to 7 / 3 / 1/step]
1-103-202	Normal: Uncoated Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-103-203	Normal: Uncoated Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-103-204	Normal: Uncoated Thick 4	ENG	[1 to 7 / 3 / 1/step]
1-103-205	Normal: Uncoated Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-103-206	Normal: Uncoated Thick 6	ENG	[1 to 7 / 4 / 1/step]
1-103-207	Normal: Uncoated Thick 7	ENG	[1 to 7 / 4 / 1/step]
1-103-208	Normal: Uncoated Thick 8	ENG	[1 to 7 / 4 / 1/step]
1-103-209	Normal: Uncoated Thick 9	ENG	[1 to 7 / 4 / 1/step]
1-103-210	Normal: Matte Thick 1	ENG	[1 to 7 / 3 / 1/step]
1-103-211	Normal: Matte Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-103-212	Normal: Matte Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-103-213	Normal: Matte Thick 4	ENG	[1 to 7 / 3 / 1/step]
1-103-214	Normal: Matte Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-103-215	Normal: Matte Thick 6	ENG	[1 to 7 / 4 / 1/step]
1-103-216	Normal: Matte Thick 7	ENG	[1 to 7 / 4 / 1/step]
1-103-217	Normal: Matte Thick 8	ENG	[1 to 7 / 4 / 1/step]
1-103-218	Normal: Matte Thick 9	ENG	[1 to 7 / 4 / 1/step]
1-103-219	Normal: Glossy Thick 1	ENG	[1 to 7 / 3 / 1/step]

1-103-220	Normal: Glossy Thick 2	ENG	[1 to 7 / 3 / 1/step]
1-103-221	Normal: Glossy Thick 3	ENG	[1 to 7 / 3 / 1/step]
1-103-222	Normal: Glossy Thick 4	ENG	[1 to 7 / 3 / 1/step]
1-103-223	Normal: Glossy Thick 5	ENG	[1 to 7 / 3 / 1/step]
1-103-224	Normal: Glossy Thick 6	ENG	[1 to 7 / 4 / 1/step]
1-103-225	Normal: Glossy Thick 7	ENG	[1 to 7 / 4 / 1/step]
1-103-226	Normal: Glossy Thick 8	ENG	[1 to 7 / 4 / 1/step]
1-103-227	Normal: Glossy Thick 9	ENG	[1 to 7 / 4 / 1/step]
1-103-228	Output Priority: Uncoated Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-103-229	Output Priority: Uncoated Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-103-230	Output Priority: Uncoated Thick 3	ENG	[1 to 7 / 7 / 1/step]
1-103-231	Output Priority: Uncoated Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-103-232	Output Priority: Uncoated Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-103-233	Output Priority: Uncoated Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-103-234	Output Priority: Uncoated Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-103-235	Output Priority: Uncoated Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-103-236	Output Priority: Uncoated Thick 9	ENG	[1 to 7 / 7 / 1/step]
1-103-237	Output Priority: Matte Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-103-238	Output Priority: Matte Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-103-239	Output Priority: Matte Thick 3	ENG	[1 to 7 / 7 / 1/step]
1-103-240	Output Priority: Matte Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-103-241	Output Priority: Matte Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-103-242	Output Priority: Matte Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-103-243	Output Priority: Matte Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-103-244	Output Priority: Matte Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-103-245	Output Priority: Matte Thick 9	ENG	[1 to 7 / 7 / 1/step]

1-103-246	Output Priority: Glossy Thick 1	ENG	[1 to 7 / 7 / 1/step]
1-103-247	Output Priority: Glossy Thick 2	ENG	[1 to 7 / 7 / 1/step]
1-103-248	Output Priority: Glossy Thick 3	ENG	[1 to 7 / 7 / 1/step]
1-103-249	Output Priority: Glossy Thick 4	ENG	[1 to 7 / 7 / 1/step]
1-103-250	Output Priority: Glossy Thick 5	ENG	[1 to 7 / 7 / 1/step]
1-103-251	Output Priority: Glossy Thick 6	ENG	[1 to 7 / 7 / 1/step]
1-103-252	Output Priority: Glossy Thick 7	ENG	[1 to 7 / 7 / 1/step]
1-103-253	Output Priority: Glossy Thick 8	ENG	[1 to 7 / 7 / 1/step]
1-103-254	Output Priority: Glossy Thick 9	ENG	[1 to 7 / 7 / 1/step]

1107	[Standby Target Temp. Setting]		
1-107-001	Stanby:Center	ENG	[0 to 200 / Def* / 1 deg/step] *: 163 for M238, 158 for M205
	Target temperature for Standby/EnergySaver 1: Sets Fusing.		
1-107-002	Stanby:Press	ENG	[0 to 200 / 50 / 1 deg/step]
	Target temperature for Standby/EnergySaver 1: Sets Press.		
1-107-005	Low Power:Center	ENG	[0 to 200 / 80 / 1 deg/step]
	Target temperature for Low Power: Sets Fusing.		

1108	[After Reload/Job Target Temp.]		
1-108-001	Center	ENG	[0 to 200 / Def* / 1deg/step] *: 163 for M238, 158 for M205
	Target temperature for After Reload/Job: Sets Heat: Center.		
1-108-002	Press	ENG	[0 to 200 / 50 / 1deg/step]
	Target temperature for After Reload/Job: Sets Press: Center.		

1111	[Environment Correction:Fusing]		
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1-111-001	Temp.: Threshold: Low	ENG	[0 to 100 / 17 / 1 deg/step]
	Environment Correction Threshold on Low		
1-111-002	Temp.:Threshold: High	ENG	[0 to 100 / 30 / 1 deg/step]
	Environment Correction Threshold on High		
1-111-003	Low Temp. Correction	ENG	[0 to 100 / 5 / 1 deg/step]
	Sets the target temperature correction on Low Temp. environment.		
1-111-004	High Temp. Correction	ENG	[0 to 100 / 0 / 1 deg/step]
	Sets the target temperature correction on Low Temp. environment.		
1-111-005	Job Low Temp. Correction	ENG	[0 to 100 / 22 / 0.1 deg/step]
	Environment Correction for Job on Low Temp.		
1-111-006	Job High Temp. Correction	ENG	[0 to 100 / 4 / 0.1 deg/step]
	Environment Correction for Job on High Temp.		
1-111-007	Job Low Temp. Correction:Spe1	ENG	[0 to 100 / 20 / 0.1 deg/step]
	Environment Correction for Job of special paper on Low Temp.		
1-111-008	Job High Temp. Correction:Spe1	ENG	[0 to 100 / 4 / 0.1 deg/step]
1-111-009	Job Low Temp. Correction:Spe2	ENG	[0 to 100 / 20 / 0.1 deg/step]
1-111-010	Job High Temp. Correction:Spe2	ENG	[0 to 100 / 4 / 0.1 deg/step]
1-111-011	Job Low Temp. Correction:Coated	ENG	[0 to 100 / 22 / 0.1 deg/step]
1-111-012	Job High Temp. Correction:Coated	ENG	[0 to 100 / 4 / 0.1 deg/step]
1-111-013	Job Low Temp. Correction:Spe1:Coated	ENG	[0 to 100 / 20 / 0.1 deg/step]
1-111-014	Job High Temp. Correction:Spe1:Coated	ENG	[0 to 100 / 4 / 0.1 deg/step]

1-111-015	Job Low Temp. Correction:Spe2:Coated	ENG	[0 to 100 / 20 / 0.1 deg/step]
1-111-016	Job High Temp. Correction:Spe2:Coated	ENG	[0 to 100 / 4 / 0.1 deg/step]

1112	[Energy Saving PprFeed Judgment]		
1-112-001	Judging Method Change	ENG	[0 or 1 / 0 / 1/step]
	0: Energy Saving Off 1: Energy Saving On		
1-112-002	Temp.: Threshold: Press	ENG	[0 to 200 / 80 / 1 deg/step]
1-112-003	Temp.: Threshold: Htg	ENG	[0 to 200 / 60 / 1 deg/step]
1-112-004	Judgment Time-Out	ENG	[0 to 1,800 / 10 / 1 sec/step]
1-112-005	Thick2 Temp	ENG	[0 to 50 / 5 / 1 deg/step]

1112	[Energy Saving PprFeed Control]		
1-112-006	Temp Diff Heating Roller: Eco	ENG	[0 to 60 / 20 / 1 deg/step]
1-112-007	Temp Diff Heating Roller: Eco	ENG	[0 to 60 / 40 / 1 deg/step]
1-112-008	Temp Diff Press Roller: Eco	ENG	[0 to 60 / 30 / 1 deg/step]
1-112-009	Rotation Time Before Judgment:Eco	ENG	[0 to 1,000 / 1 / 1 sec/step]

1113	[Curl Correction]		
1-113-002	Humidity:Threshold:M-humid	ENG	[0 to 100 / 65 / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated: Thin/Thick1 is applied.		
1-113-003	Humidity:Threshold:H-humid	ENG	[0 to 100 / 85 / 1%/step]

1114	[Heat Storage Status]		
1-114-001	Temp.:Threshold:Press	ENG	[0 to 200 / 40 / 1 deg/step]
	Sets Press Temp. Threshold judging Heat Storage Status.		
1-114-002	Temp.:Threshold:Htg	ENG	[0 to 200 / 60 / 1 deg/step]
	Sets Fusing Atmosphere Temp. Threshold judging Heat Storage Status.		

1115	[Heat Storage Status:Low Power]		
1-115-001	Temp.:Threshold:Press	ENG	[0 to 200 / 25 / 1 deg/step]
	Sets Press Temp. Threshold judging Heat Storage Status.		
1-115-002	Temp.:Threshold:Htg	ENG	[0 to 200 / 60 / 1 deg/step]
	Sets Fusing Atmosphere Temp. Threshold judging Heat Storage Status.		

1117	[Time Control]		
If the paper width is narrow, since the end portion temperature of the fixing roller is a problem, such as increasing. So after a certain time after paper feeding starts, this SP controls to lower the target fixing temperature at SP.			
1-117-003	Control TimeA1	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-004	Control TimeA2	ENG	[0 to 1000 / 400 / 1 sec/step]
1-117-005	Temp:A:Center1	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-008	Temp:A:Center2	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-011	Control TimeB1	ENG	[0 to 1000 / 0 / 1 sec/step]
1-117-012	Control TimeB2	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-013	Temp:B:Center1	ENG	[-20 to 20 / 2 / 1 deg/step]
1-117-016	Temp:B:Center2	ENG	[-20 to 20 / -5 / 1 deg/step]
1-117-019	Control TimeC1	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-020	Control TimeC2	ENG	[0 to 1000 / 400 / 1 sec/step]
1-117-021	Temp:C:Center1	ENG	[-20 to 20 / 0 / 1 deg/step]

1-117-024	Temp:C:Center2	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-027	Control TimeD1	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-028	Control TimeD2	ENG	[0 to 1000 / 400 / 1 sec/step]
1-117-029	Temp:D:Center1	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-032	Temp:D:Center2	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-035	Control TimeE1	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-036	Control TimeE2	ENG	[0 to 1000 / 400 / 1 sec/step]
1-117-037	Temp:E:Center1	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-040	Temp:E:Center2	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-043	Control TimeF1	ENG	[0 to 1000 / 100 / 1 sec/step]
1-117-044	Control TimeF2	ENG	[0 to 1000 / 400 / 1 sec/step]
1-117-045	Temp:F:Center1	ENG	[-20 to 20 / 0 / 1 deg/step]
1-117-048	Temp:F:Center2	ENG	[-20 to 20 / 0 / 1 deg/step]
1117	[Time Control]		
	1: A, 2: B, 3: C, 4: D, 5: E, 6: F		
1-117-101	Category1:Weight1	ENG	[1 to 6 / 1 / 1 /step]
1-117-102	Category1:Thick 2	ENG	[1 to 6 / 1 / 1 /step]
1-117-103	Category1:Thick 2	ENG	[1 to 6 / 1 / 1 /step]
1-117-104	Category1:Thick 4	ENG	[1 to 6 / 1 / 1 /step]
1-117-105	Category1:Thick 5	ENG	[1 to 6 / 1 / 1 /step]
1-117-106	Category1:Thick 6	ENG	[1 to 6 / 1 / 1 /step]
1-117-107	Category1:Thick 7	ENG	[1 to 6 / 1 / 1 /step]
1-117-108	Category1:Thick 8	ENG	[1 to 6 / 1 / 1 /step]
1-117-109	Category1:Weight9	ENG	[1 to 6 / 1 / 1 /step]
1-117-111	Category2:Weight1	ENG	[1 to 6 / 1 / 1 /step]
1-117-112	Category2:Thick 2	ENG	[1 to 6 / 1 / 1 /step]

1-117-113	Category2:Thick 3	ENG	[1 to 6 / 1 / 1 /step]
1-117-114	Category2:Thick 4	ENG	[1 to 6 / 1 / 1 /step]
1-117-115	Category2:Thick 5	ENG	[1 to 6 / 1 / 1 /step]
1-117-116	Category2:Thick 6	ENG	[1 to 6 / 1 / 1 /step]
1-117-117	Category2:Thick 7	ENG	[1 to 6 / 1 / 1 /step]
1-117-118	Category2:Thick 8	ENG	[1 to 6 / 1 / 1 /step]
1-117-119	Category2:Weight9	ENG	[1 to 6 / 1 / 1 /step]
1-117-121	Category3:Weight1	ENG	[1 to 6 / 1 / 1 /step]
1-117-122	Category3:Thick 2	ENG	[1 to 6 / 1 / 1 /step]
1-117-123	Category3:Thick 3	ENG	[1 to 6 / 1 / 1 /step]
1-117-124	Category3:Thick 4	ENG	[1 to 6 / 1 / 1 /step]
1-117-125	Category3:Thick 5	ENG	[1 to 6 / 1 / 1 /step]
1-117-126	Category3:Thick 6	ENG	[1 to 6 / 1 / 1 /step]
1-117-127	Category3:Thick 7	ENG	[1 to 6 / 1 / 1 /step]
1-117-128	Category3:Thick 8	ENG	[1 to 6 / 1 / 1 /step]
1-117-129	Category3:Weight9	ENG	[1 to 6 / 1 / 1 /step]
1-117-131	Category4:Weight1	ENG	[1 to 6 / 1 / 1 /step]
1-117-132	Category4:Thick 2	ENG	[1 to 6 / 1 / 1 /step]
1-117-133	Category4:Thick 3	ENG	[1 to 6 / 1 / 1 /step]
1-117-134	Category4:Thick 4	ENG	[1 to 6 / 1 / 1 /step]
1-117-135	Category4:Thick 5	ENG	[1 to 6 / 1 / 1 /step]
1-117-136	Category4:Thick 6	ENG	[1 to 6 / 1 / 1 /step]
1-117-137	Category4:Thick 7	ENG	[1 to 6 / 1 / 1 /step]
1-117-138	Category4:Thick 8	ENG	[1 to 6 / 1 / 1 /step]
1-117-139	Category4:Weight9	ENG	[1 to 6 / 1 / 1 /step]
1-117-141	Category5:Weight1	ENG	[1 to 6 / 1 / 1 /step]

1-117-142	Category5:Thick 2	ENG	[1 to 6 / 1 / 1 /step]
1-117-143	Category5:Thick 3	ENG	[1 to 6 / 1 / 1 /step]
1-117-144	Category5:Thick 4	ENG	[1 to 6 / 1 / 1 /step]
1-117-145	Category5:Thick 5	ENG	[1 to 6 / 1 / 1 /step]
1-117-146	Category5:Thick 6	ENG	[1 to 6 / 1 / 1 /step]
1-117-147	Category5:Thick 7	ENG	[1 to 6 / 1 / 1 /step]
1-117-148	Category5:Thick 8	ENG	[1 to 6 / 1 / 1 /step]
1-117-149	Category5:Weight9	ENG	[1 to 6 / 1 / 1 /step]
1-117-151	Category1:Weight1:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-152	Category1:Weight2:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-153	Category1:Weight3:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-154	Category1:Weight4:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-155	Category1:Weight5:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-156	Category1:Weight6:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-157	Category1:Weight7:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-158	Category1:Weight8:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-159	Category1:Weight9:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-161	Category2:Weight1:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-162	Category2:Weight2:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-163	Category2:Weight3:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-164	Category2:Weight4:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-165	Category2:Weight5:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-166	Category2:Weight6:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-167	Category2:Weight7:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-168	Category2:Weight8:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-169	Category2:Weight9:Cold	ENG	[1 to 6 / 2 / 1 /step]

1-117-171	Category3:Weight1:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-172	Category3:Weight2:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-173	Category3:Weight3:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-174	Category3:Weight4:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-175	Category3:Weight5:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-176	Category3:Weight6:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-177	Category3:Weight7:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-178	Category3:Weight8:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-179	Category3:Weight9:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-181	Category4:Weight1:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-182	Category4:Weight2:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-183	Category4:Weight3:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-184	Category4:Weight4:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-185	Category4:Weight5:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-186	Category4:Weight6:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-187	Category4:Weight7:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-188	Category4:Weight8:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-189	Category4:Weight9:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-191	Category5:Weight1:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-192	Category5:Weight2:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-193	Category5:Weight3:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-194	Category5:Weight4:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-195	Category5:Weight5:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-196	Category5:Weight6:Cold	ENG	[1 to 6 / 1 / 1 /step]
1-117-197	Category5:Weight7:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-198	Category5:Weight8:Cold	ENG	[1 to 6 / 2 / 1 /step]

1-117-199	Category5:Weight9:Cold	ENG	[1 to 6 / 2 / 1 /step]
1-117-201	Category1:Weight1:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-202	Category1:Weight2:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-203	Category1:Weight3:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-204	Category1:Weight4:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-205	Category1:Weight5:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-206	Category1:Weight6:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-207	Category1:Weight7:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-208	Category1:Weight8:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-209	Category1:Weight9:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-211	Category2:Weight1:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-212	Category2:Weight2:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-213	Category2:Weight3:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-214	Category2:Weight4:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-215	Category2:Weight5:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-216	Category2:Weight6:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-217	Category2:Weight7:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-218	Category2:Weight8:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-219	Category2:Weight9:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-221	Category3:Weight1:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-222	Category3:Weight2:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-223	Category3:Weight3:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-224	Category3:Weight4:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-225	Category3:Weight5:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-226	Category3:Weight6:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-227	Category3:Weight7:Hot	ENG	[1 to 6 / 1 / 1 /step]

1-117-228	Category3:Weight8:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-229	Category3:Weight9:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-231	Category4:Weight1:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-232	Category4:Weight2:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-233	Category4:Weight3:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-234	Category4:Weight4:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-235	Category4:Weight5:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-236	Category4:Weight6:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-237	Category4:Weight7:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-238	Category4:Weight8:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-239	Category4:Weight9:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-241	Category5:Weight1:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-242	Category5:Weight2:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-243	Category5:Weight3:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-244	Category5:Weight4:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-245	Category5:Weight5:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-246	Category5:Weight6:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-247	Category5:Weight7:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-248	Category5:Weight8:Hot	ENG	[1 to 6 / 1 / 1 /step]
1-117-249	Category5:Weight9:Hot	ENG	[1 to 6 / 1 / 1 /step]

1118	[Norm Paper:Init Temp Calc]
	<p>First, sets the start time from the paper feeding at SP1-118-001 and SP1-118-002.</p> <p>Second, sets the additional temperature of the fixing belt for each paper type at SP1-118-011 to 037.</p> <p>Mainly it prevents to drop down the initial temperature of the fusing belt due to enter of paper.</p>

1-118-001	Start Time:Normal Speed	ENG	[0 to 5.0 / 0 / 0.1 sec/step]
1-118-002	Start Time:Low Speed	ENG	[0 to 5.0 / 0 / 0.1 sec/step]
1-118-006	Continuous Time:Normal Spd	ENG	[0 to 50.0 / 12 / 0.1 sec/step]
1-118-007	Continuous Time:Low Spd	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-118-011	Added Temp: Uncoated Thick 1	ENG	[0 to 30 / 5 / 1 deg/step]
1-118-012	Added Temp: Uncoated Thick 2	ENG	[0 to 30 / 8 / 1 deg/step]
1-118-013	Added Temp: Uncoated Thick 3	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-014	Added Temp: Uncoated Thick 4	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-015	Added Temp: Uncoated Thick 5	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-016	Added Temp: Uncoated Thick 6	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-017	Added Temp: Uncoated Thick 7	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-018	Added Temp: Uncoated Thick 8	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-019	Added Temp: Uncoated Thick 9	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-020	Added Temp: Matte Thick 1	ENG	[0 to 30 / 5 / 1 deg/step]
1-118-021	Added Temp: Matte Thick 2	ENG	[0 to 30 / 8 / 1 deg/step]
1-118-022	Added Temp: Matte Thick 3	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-023	Added Temp: Matte Thick 4	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-024	Added Temp: Matte Thick 5	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-025	Added Temp: Matte Thick 6	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-026	Added Temp: Matte Thick 7	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-027	Added Temp: Matte Thick 8	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-028	Added Temp: Matte Thick 9	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-029	Added Temp: Glossy Thick 1	ENG	[0 to 30 / 5 / 1 deg/step]
1-118-030	Added Temp: Glossy Thick 2	ENG	[0 to 30 / 8 / 1 deg/step]
1-118-031	Added Temp: Glossy Thick 3	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-032	Added Temp: Glossy Thick 4	ENG	[0 to 30 / 10 / 1 deg/step]

1-118-033	Added Temp: Glossy Thick 5	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-034	Added Temp: Glossy Thick 6	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-035	Added Temp: Glossy Thick 7	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-036	Added Temp: Glossy Thick 8	ENG	[0 to 30 / 10 / 1 deg/step]
1-118-037	Added Temp: Glossy Thick 9	ENG	[0 to 30 / 10 / 1 deg/step]

1119	[Norm Paper:Init Temp Calc2]		
	Mainly it prevents to drop down the initial temperature of the fusing belt due to the pressure of the pressure roller.		
1-119-011	Added Temp: Uncoated Thick 1	ENG	[0 to 30 / 10 / 1 deg/step]
1-119-012	Added Temp: Uncoated Thick 2	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-013	Added Temp: Uncoated Thick 3	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-014	Added Temp: Uncoated Thick 4	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-015	Added Temp: Uncoated Thick 5	ENG	[0 to 30 / 15 / 1 deg/step]
1-119-016	Added Temp: Uncoated Thick 6	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-017	Added Temp: Uncoated Thick 7	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-018	Added Temp: Uncoated Thick 8	ENG	[0 to 30 / 25 / 1 deg/step]
1-119-019	Added Temp: Uncoated Thick 9	ENG	[0 to 30 / 25 / 1 deg/step]
1-119-020	Added Temp: Matte Thick 1	ENG	[0 to 30 / 10 / 1 deg/step]
1-119-021	Added Temp: Matte Thick 2	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-022	Added Temp: Matte Thick 3	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-023	Added Temp: Matte Thick 4	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-024	Added Temp: Matte Thick 5	ENG	[0 to 30 / 15 / 1 deg/step]
1-119-025	Added Temp: Matte Thick 6	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-026	Added Temp: Matte Thick 7	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-027	Added Temp: Matte Thick 8	ENG	[0 to 30 / 25 / 1 deg/step]

1-119-028	Added Temp: Matte Thick 9	ENG	[0 to 30 / 30 / 1 deg/step]
1-119-029	Added Temp: Glossy Thick 1	ENG	[0 to 30 / 10 / 1 deg/step]
1-119-030	Added Temp: Glossy Thick 2	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-031	Added Temp: Glossy Thick 3	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-032	Added Temp: Glossy Thick 4	ENG	[0 to 30 / 14 / 1 deg/step]
1-119-033	Added Temp: Glossy Thick 5	ENG	[0 to 30 / 15 / 1 deg/step]
1-119-034	Added Temp: Glossy Thick 6	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-035	Added Temp: Glossy Thick 7	ENG	[0 to 30 / 20 / 1 deg/step]
1-119-036	Added Temp: Glossy Thick 8	ENG	[0 to 30 / 25 / 1 deg/step]
1-119-037	Added Temp: Glossy Thick 9	ENG	[0 to 30 / 30 / 1 deg/step]
1-119-050	Continuous Time:Normal Spd:Weigt1	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-051	Continuous Time:Normal Spd:Weigt2	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-052	Continuous Time:Normal Spd:Weigt3	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-053	Continuous Time:Normal Spd:Weigt4	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-054	Continuous Time:Normal Spd:Weigt5	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-055	Continuous Time:Normal Spd:Weigt6	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-056	Continuous Time:Normal Spd:Weigt7	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-057	Continuous Time:Normal Spd:Weigt8	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-058	Continuous Time:Normal Spd:Weigt9	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-060	Continuous Time:Low Spd:Weigt1	ENG	[0 to 50.0 / 10 / 0.1 sec/step]

1-119-061	Continuous Time:Low Spd:Weigt2	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-062	Continuous Time:Low Spd:Weigt3	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-063	Continuous Time:Low Spd:Weigt4	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-064	Continuous Time:Low Spd:Weigt5	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-065	Continuous Time:Low Spd:Weigt6	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-066	Continuous Time:Low Spd:Weigt7	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-067	Continuous Time:Low Spd:Weigt8	ENG	[0 to 50.0 / 10 / 0.1 sec/step]
1-119-068	Continuous Time:Low Spd:Weigt9	ENG	[0 to 50.0 / 10 / 0.1 sec/step]

1121	[Switch:Rotation Start/Stop]		
1-121-001	Time:After Reload	ENG	[0 to 4,000 / 600 / 1 sec/step]
	Time between Reload and standby		
1-121-003	Time:After Job	ENG	[0 to 100 / 30 / 1 sec/step]
	Time between Feed and standby		
1-121-004	Press Temp.:After Reload	ENG	[0 to 160 / 160 / 1 deg/step]
	Press Threshold for applying time to switch from reload to stanby.		
1-121-005	End Uniform Start Temp.:B4	ENG	[0 to 250 / 200 / 1 deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (LTT < Feed Width ≤ B4T)		
1-121-006	End Uniform Start Temp.:LT	ENG	[0 to 250 / 200 / 1 deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (A5T < Feed Width ≤ LTT)		
1-121-007	End Uniform Start Temp.:A5	ENG	[0 to 250 / 200 / 1 deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (Feed Width ≤ A5T)		
1-121-008	Overshoot Prevent Temp.	ENG	[0 to 250 / 200 / 1 deg/step]
	Temperature which starts rotation for preventing Overshoot Temp		
1-121-009	Overshoot Prevent Time	ENG	[0 to 100 / 20 / 1 sec/step]
	Time which continues rotation for preventing Overshoot Temp		

Group 1000 (2/4)

SP1-122 to -805 (Feed)

1122	[Standby Rotation Setting]		
1-122-001	Rotation Interval	ENG	[0 to 240 / 0 / 1min/step]
	-		
1-122-002	Rotation Time	ENG	[0 to 60 / 0 / 0.1 sec/step]
	-		

1123	[Rotation Speed Setting]		
1-123-001	Rotation Speed	ENG	[0 or 1 / 1 / 1/step]
	Sets WarmupHeat/Rotate After Reload. 0: Rotation Speed Def 1: Rotation Speed Job Info		

1124	[CPM Down Setting]		
Set tempture to deside CPM is down.			
1-124-001	Low:Down Temp.	ENG	[-50 to 0 / -20 / 1deg/step]
	Difference value of CPM Down Setting and Target Temp.		
1-124-002	Low:Up Temp.	ENG	[-50 to 0 / -15 / 1deg/step]
	Difference value of CPM Up Setting and Target Temp.		
1-124-003	Low : 1st CPM:simplex	ENG	[10 to 100 / 60 / 5%/step]
	Settings for temperature decrease CPM Down Setting percentage1		
1-124-004	Low :2nd CPM:simplex	ENG	[10 to 100 / 40 / 5%/step]
	Settings for temperature decrease CPM Down Setting percentage2		
1-124-005	Low :3rd CPM:simplex	ENG	[10 to 100 / 20 / 5%/step]
	Settings for temperature decrease CPM Down Setting percentage3		

1-124-006	High:1st CPM	ENG	[10 to 100 / 80 / 5%/step]
	Settings for temperature increase CPM Down Setting percentage1		
1-124-007	High:2nd CPM	ENG	[10 to 100 / 50 / 5%/step]
	Settings for temperature increase CPM Down Setting percentage2		
1-124-008	High:3rd CPM	ENG	[10 to 100 / 25 / 5%/step]
	Settings for temperature increase CPM Down Setting percentage3		
1-124-009	Low :1st CPM:duplex	ENG	[10 to 100 / 60 / 5%/step]
1-124-010	Low :2nd CPM:duplex	ENG	[10 to 100 / 40 / 5%/step]
1-124-011	Low :3rd CPM:duplex	ENG	[10 to 100 / 20 / 5%/step]
1-124-012	High:1st CPM Down Temp.:A5	ENG	[100 to 250 / 235 / 1deg/step]
	High:1st CPM Down Temp.: A5		
1-124-013	High:2nd CPM Down Temp.:A5	ENG	[100 to 250 / 240 / 1deg/step]
	High:2nd CPM Down Temp.: A5		
1-124-014	High:3rd CPM Down Temp.:A5	ENG	[100 to 250 / 245 / 1deg/step]
	High:3rd CPM Down Temp.:A5		
1-124-015	High:1st CPM Down Temp.:A4	ENG	[100 to 250 / 235 / 1deg/step]
	High:1st CPM Down Temp.:A4		
1-124-016	High:2nd CPM Down Temp.:A4	ENG	[100 to 250 / 240 / 1deg/step]
	High:2nd CPM Down Temp.: A4		
1-124-017	High:3rd CPM Down Temp.:A4	ENG	[100 to 250 / 245 / 1deg/step]
	High:3rd CPM Down Temp.: A4		
1-124-018	Judging Interval	ENG	[1 to 250 / 15 / 1 sec/step]
	Sets the waiting time for switching CPM.		
1-124-020	Judging Interval Normal Speed	ENG	[0 to 200 / 15 / 1 sec/step]
	Sets the valid time for Init CPM Down: Std Spd.		

1-124-021	Judging Interval Low Speed	ENG	[0 to 200 / 15 / 1 sec/step]
	Sets the valid time for Init CPM Down: Mid Spd.		
1-124-101	High:1st CPM Down Temp.:Category 1	ENG	[100 to 250 / 235 / 1 deg/step]
	High:1st CPM Down Temp.: 216mm < Feed Width ≤ 252mm		
1-124-102	High:2nd CPM Down Temp.:Category 1	ENG	[100 to 250 / 240 / 1 deg/step]
	High:2nd CPM Down Temp.: 216mm < Feed Width ≤ 252mm		
1-124-103	High:3rd CPM Down Temp.:Category 1	ENG	[100 to 250 / 245 / 1 deg/step]
	High:3rd CPM Down Temp.: 216mm < Feed Width ≤ 252mm		
1-124-111	High:1st CPM Down Temp.: Category2	ENG	[100 to 250 / 235 / 1 deg/step]
	High:1st CPM Down Temp.: 252mm < Feed Width ≤ 292mm		
1-124-112	High:2nd CPM Down Temp.: Category2	ENG	[100 to 250 / 240 / 1 deg/step]
	High:2nd CPM Down Temp.: 252mm < Feed Width ≤ 292mm		
1-124-113	High:3rd CPM Down Temp.: Category2	ENG	[100 to 250 / 245 / 1 deg/step]
	High:3rd CPM Down Temp.: 252mm < Feed Width ≤ 292mm		
1-124-121	High:1st CPM Down Temp.: Category3	ENG	[100 to 250 / 235 / 1 deg/step]
	High:1st CPM Down Temp.: 292mm < Feed Width ≤ 311mm		
1-124-122	High:2nd CPM Down Temp.: Category3	ENG	[100 to 250 / 240 / 1 deg/step]
	High:2nd CPM Down Temp.: 292mm < Feed Width ≤ 311mm		
1-124-123	High:3rd CPM Down Temp.: Category3	ENG	[100 to 250 / 245 / 1 deg/step]
	High:3rd CPM Down Temp.: 292mm < Feed Width ≤ 311mm		

1-124-131	High:1st CPM Down Temp.: Category4	ENG	[100 to 250 / 235 / 1 deg/step]
	High:1st CPM Down Temp.: 311mm < Feed Width ≤ 324mm		
1-124-132	High:2nd CPM Down Temp.: Category4	ENG	[100 to 250 / 240 / 1 deg/step]
	High:2nd CPM Down Temp.: 311mm < Feed Width ≤ 324mm		
1-124-133	High:3rd CPM Down Temp.: Category4	ENG	[100 to 250 / 245 / 1 deg/step]
	High:3rd CPM Down Temp.: 311mm < Feed Width ≤ 324mm		
1-124-141	High:1st CPM Down Temp.: Category5	ENG	[100 to 250 / 235 / 1 deg/step]
	High:1st CPM Down Temp.: 324mm < Feed Width		
1-124-142	High:2nd CPM Down Temp.: Category5	ENG	[100 to 250 / 240 / 1 deg/step]
	High:2nd CPM Down Temp.: 324mm < Feed Width		
1-124-143	High:3rd CPM Down Temp.: Category5	ENG	[100 to 250 / 245 / 1 deg/step]
	High:3rd CPM Down Temp.: 324mm < Feed Width		

1131	[Continuous Print Mode Switch]		
	Sets condition for to allow paper feed when printing continuously		
1-131-001	Feed Permit Condition	ENG	[0 or 1 / 0 / 1/step] 0: Fusing Priority 1: Productivity Priority
	0(default): When paper size changes; wait till fusing temperature becomes stable. 1: Productivity priority. Picture quality will be good as product specification.		
1-131-002	Low:Up Temp.	ENG	[-50 to 0 / -20 / 1 deg/step]
	Difference value between the CPM down determination temperature during production Priority		

1133	[Fusing Refresh Roller Setting]		
1-133-001	Auto Control Method Switch	ENG	[0 to 2 / 1 / 1/step]
	Selects operating conditions in Auto execution mode for Fusing Refresh Roller Setting. 0: Fusing Refresh Off 1: Fusing Refresh On/Main 2: Fusing Refresh On/Sub		
1-133-002	Total Page Cnt:Before 1	ENG	[0 to 126,000,000 / 594,000 / 10 mm/step]
1-133-003	Total Page Cnt:Before 2	ENG	[0 to 126,000,000 / 1,485,000 / 10 mm/step]
1-133-004	Total Page Cnt:Before 3	ENG	[0 to 126,000,000 / 2,301,750 / 10 mm/step]
1-133-005	Total Page Cnt:Before 4	ENG	[0 to 126,000,000 / 2,970,000 / 10 mm/step]
1-133-006	Total Page Cnt:After 1	ENG	[0 to 126,000,000 / 594,000 / 10 mm/step]
1-133-007	Total Page Cnt:After 2	ENG	[0 to 126,000,000 / 1,485,000 / 10 mm/step]
1-133-008	Total Page Cnt:After 3	ENG	[0 to 126,000,000 / 2,301,750 / 10 mm/step]
1-133-009	Total Page Cnt:After 4	ENG	[0 to 126,000,000 / 2,970,000 / 10 mm/step]
1-133-030	Refresh Operation Time:Before 1	ENG	[0 to 60,000 / 45 / 10 sec/step]
1-133-031	Refresh Operation Time:Before 2	ENG	[0 to 60,000 / 60 / 10 sec/step]
1-133-032	Refresh Operation Time:Before 3	ENG	[0 to 60,000 / 75 / 10 sec/step]
1-133-033	Refresh Operation Time:Before 4	ENG	[0 to 60,000 / 90 / 10 sec/step]
1-133-034	Refresh Operation Time:After 1	ENG	[0 to 60,000 / 45 / 10 sec/step]
1-133-035	Refresh Operation Time:After 2	ENG	[0 to 60,000 / 60 / 10 sec/step]
1-133-036	Refresh Operation Time:After 3	ENG	[0 to 60,000 / 75 / 10 sec/step]

1-133-037	Refresh Operation Time:After 4	ENG	[0 to 60,000 / 95 / 10 sec/step]
1-133-101	Fusing Speed	ENG	[0 to 4 / 4 / 1/step]
	Sets Fusing Speed when operating Fusing Refresh Roller. 0: Ref Speed 1: Middle Speed 2: Low Speed 3: Low Speed 2 4: Low Speed 3		
1-133-102	Htg Roller Temp Setting	ENG	[0 to 200 / 90 / 1deg/step]
	Sets Fusing Temp. (Heat Center Sensor) when operating Fusing Refresh Roller.		
1-133-104	Fusing Pressure Position	ENG	[0 to 4 / 2 / 1/step]
	Sets Fusing Press level when operating Fusing Refresh Roller. 0: Separate Position 1: Press 1 2: Press 2 3: Press 3 4: Press 4		
1-133-105	Refresh Roller:Prs Position	ENG	[0 to 2 / 2 / 1/step]
	Sets Refresh Roller Press level when operating Fusing Refresh Roller. 0: Press 1 1: Press 2 2: Press 3		
1-133-106	Refresh Roller:Speed	ENG	[0 to 2 / 0 / 1/step]
	Sets Refresh Roller Speed when operating Fusing Refresh Roller. 0: Rotation Speed A 1: Rotation Speed B 2: Rotation Speed C		
1-133-110	Manual Refresh:Exe	ENG	[0 or 1 / 0 / 1/step]
	Executes forcibly Fusing Refresh Roller operation.		

1-133-111	Manual Refresh:Exe 2	ENG	[0 or 1 / 0 / 1/step]
	Executes forcibly Fusing Refresh Roller operation 2.		
1-133-120	Fixed Operation Time:Manual	ENG	[0 to 60,000 / 270 / 1 sec/step]
	Sets Fixed Operation Time values in Forced execution mode for Fusing Refresh Roller Setting.		
1-133-121	Fixed Operation Time:Manual	ENG	[0 to 60 / 3 / 1 sec/step]
	Sets Fixed Operation Time values in Forced execution mode for Fusing Refresh Roller Setting 2.		
1-133-130	Total Operation Time	ENG	[0 to 6,000,000 / 0 / 1 sec/step]
	Counts Total Operation Time for Fusing Refresh Roller operation.		
1-133-131	Refresh Near End Setting	ENG	[0 to 6,000,000 / 29,160 / 1 sec/step]
	Sets Refresh Near End Setting time.		
1-133-132	Refresh End Setting	ENG	[0 to 6,000,000 / 32,400 / 1 sec/step]
	Sets Refresh End Setting time.		
1-133-150	Operation time After interruption	ENG	[0 to 60,000 / 0 / 1sec/step]
	Stores the remaining time when the refresh operation is suspended. Remaining time of the refresh operation is performed during reboot.		
1-133-160	Pressure Time 1	ENG	[0 to 5000 / 1374 / 1 msec/step]
	Sets time for [High Detection->Pressure1] for Fusing Refresh Roller.		
1-133-161	Pressure Time2	ENG	[0 to 5000 / 1485 / 1 msec/step]
	Sets time for [High Detection->Pressure2] for Fusing Refresh Roller.		
1-133-162	Pressure Time3	ENG	[0 to 5000 / 1200 / 1 msec/step]
	Sets time for [High Detection->Pressure3] for Fusing Refresh Roller.		
1-133-170	Depressure Time	ENG	[0 to 5000 / 12 / 1 msec/step]
	Sets time for [Low Detection->Depressure3] for Fusing Refresh Roller.		

1-133-201	Page Cnt Category1	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category1 (Print Width ≤ 15mm)		
1-133-202	Page Cnt Category2	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category2 (15mm < Print Width ≤ 140mm)		
1-133-203	Page Cnt Category3	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category3 (140mm < Print Width ≤ 170mm)		
1-133-204	Page Cnt Category4	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category4 (170mm < Print Width ≤ 209.9mm)		
1-133-205	Page Cnt Category5	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category5 (209.9mm < Print Width ≤ 224.9mm)		
1-133-206	Page Cnt Category6	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category6 (224.9mm < Print Width ≤ 254mm)		
1-133-207	Page Cnt Category7	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category7 (254mm < Print Width ≤ 270mm)		
1-133-208	Page Cnt Category8	ENG	[0 to 126,000,000 / 0 / 1 mm/ step]
	Counts Total Paper Counter for Paper Width Category8 (270mm < Print Width ≤ 296.9mm)		

1-133-209	Page Cnt Category9	ENG	[0 to 126,000,000 / 0 / 1 mm/step]
	Counts Total Paper Counter for Paper Width Category9 (296.9mm < Print Width ≤ 300mm)		
1-133-210	Page Cnt Category10	ENG	[0 to 126,000,000 / 0 / 1 mm/step]
	Counts Total Paper Counter for Paper Width Category1 (300mm < Print Width ≤ 305mm)		
1-133-211	Page Cnt Category11	ENG	[0 to 126,000,000 / 0 / 1 mm/step]
	Counts Total Paper Counter for Paper Width Category11 (305mm < Print Width ≤ 324mm)		

1134	[Fuser speed FB Control]		
	<p>Adjusts the rotation speed of the fixing roller at startup. (At startup the linear speed is low because the roller is not inflated.)</p> <p>Adjusts the the rotation speed by considering the total page counter. (Because the linear speed is increased with time.)</p>		
1-134-001	Heat Storage Status Temp.:Threshold:Press	ENG	[0 to 200 / 40 / 1 deg/step]
1-134-002	Heat Storage Status Temp.:Threshold:Htg	ENG	[0 to 200 / 60 / 1 deg/step]
1-134-004	Heat Storage Status Time 1	ENG	[0 to 2000 / 600 / 1 sec/step]
1-134-005	Heat Storage Status Time 2	ENG	[0 to 2000 / 1200 / 1 sec/step]
1-134-006	Heat Storage Status Time 3	ENG	[0 to 2000 / 1800 / 1 sec/step]
1-134-007	Correction factor:Cold 1	ENG	[-10 to 10 / 1.5 / 0.1%/step]
1-134-008	Correction factor:Cold 2	ENG	[-10 to 10 / 0.9 / 0.1%/step]
1-134-009	Correction factor:Cold 3	ENG	[-10 to 10 / 0.4 / 0.1%/step]
1-134-010	Correction factor;Hot	ENG	[-10 to 10 / 0 / 0.1%/step]

1-134-014	Age Judgment 1	ENG	[0 to 255 / 0 / 1%/step]
1-134-015	Age Judgment 2	ENG	[0 to 255 / 0 / 1%/step]
1-134-016	Age Judgment 3	ENG	[0 to 255 / 0 / 1%/step]
1-134-017	Correction factor :Used Fuser Unit 1	ENG	[-10 to 10 / 0 / 0.1%/step]
1-134-018	Correction factor :Used Fuser Unit 2	ENG	[-10 to 10 / 0 / 0.1%/step]
1-134-019	Correction factor :Used Fuser Unit 3	ENG	[-10 to 10 / 0 / 0.1%/step]
1-134-020	Correction factor :Unused Fuser Unit	ENG	[-10 to 10 / 0 / 0.1%/step]

1135	[Temp Control:Cold Start]		
	Corrects the temperature to get proper setting temperature. (Because heat storage to the fixing roller, such as during startup is insufficient.)		
1-135-001	Heat Storage Status Temp.:Threshold:Press	ENG	[0 to 200 / 1 / 45 / 1 deg/step]
1-135-002	Heat Storage Status Temp.:Threshold:Htg	ENG	[0 to 200 / 1 / 60 / 1 deg/step]
1-135-001	Heat Storage Status Time 1	ENG	[0 to 2000 / 1 / 200 / 1 sec / step]
1-135-005	Heat Storage Status Time 2	ENG	[0 to 2000 / 1 / 450 / 1 sec / step]
1-135-006	Heat Storage Status Time 3	ENG	[0 to 2000 / 1 / 650 / 1 sec / step]
1-135-007	Temp:A:Cold 1	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-008	Temp:A:Cold 2	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-009	Temp:A:Cold 3	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-010	Temp:A:Hot	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-017	Temp:B:Cold 1	ENG	[-20 to 20 / 5 / 1 deg /step]

1-135-018	Temp:B:Cold 2	ENG	[-20 to 20 / 3 / 1 deg /step]
1-135-019	Temp:B:Cold 3	ENG	[-20 to 20 / 1 / 1 deg /step]
1-135-020	Temp:B:Hot	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-027	Temp:C:Cold 1	ENG	[-20 to 20 / 4 / 1 deg /step]
1-135-028	Temp:C:Cold 2	ENG	[-20 to 20 / 3 / 1 deg /step]
1-135-029	Temp:C:Cold 3	ENG	[-20 to 20 / 1 / 1 deg /step]
1-135-030	Temp:C:Hot	ENG	[-20 to 20 / 0 / 1 deg /step]
1-135-037	Temp:D:Cold 1	ENG	[-20 to 20 / 3 / 1 deg /step]
1-135-038	Temp:D:Cold 2	ENG	[-20 to 20 / 2 / 1 deg /step]
1-135-039	Temp:D:Cold 3	ENG	[-20 to 20 / 1 / 1 deg /step]
1-135-040	Temp:D:Hot	ENG	[-20 to 20 / 0 / 1 deg /step]

1135	[Temp Control:Cold Start]		
	1: Correction pattern A 2: Correction pattern B 3: Correction pattern C 4: Correction pattern D		
1-135-101	Plain:Thick 1	ENG	[1 to 4 / 3 / 1/step]
1-135-102	Plain:Thick 2	ENG	
1-135-103	Plain:Thick 3	ENG	
1-135-104	Plain:Thick 4	ENG	[1 to 4 / 1 / 1/step]
1-135-105	Plain:Thick 5	ENG	
1-135-106	Plain:Thick 6	ENG	
1-135-107	Plain:Thick 7	ENG	
1-135-108	Plain:Thick 8	ENG	
1-135-109	Plain:Thick 9	ENG	

1-135-110	Glossy:Thick 1	ENG	[1 to 4 / 3 / 1/step]
1-135-111	Glossy:Thick 2	ENG	
1-135-112	Glossy:Thick 3	ENG	
1-135-113	Glossy:Thick 4	ENG	[1 to 4 / 1 / 1/step]
1-135-114	Glossy:Thick 5	ENG	
1-135-115	Glossy:Thick 6	ENG	
1-135-116	Glossy:Thick 7	ENG	
1-135-117	Glossy:Thick 8	ENG	
1-135-118	Glossy:Thick 9	ENG	
1-135-119	Matte:Thick 1	ENG	[1 to 4 / 3 / 1/step]
1-135-120	Matte:Thick 2	ENG	
1-135-121	Matte:Thick 3	ENG	
1-135-122	Matte:Thick 4	ENG	[1 to 4 / 1 / 1/step]
1-135-123	Matte:Thick 5	ENG	
1-135-124	Matte:Thick 6	ENG	
1-135-125	Matte:Thick 7	ENG	
1-135-126	Matte:Thick 8	ENG	
1-135-127	Matte:Thick 9	ENG	
1-135-132	Envelope:Thick 5	ENG	[1 to 4 / 1 / 1/step]
1-135-133	Envelope:Thick 6	ENG	
1-135-134	Envelope:Thick 7	ENG	

1-135-137	Embossed:Thick 1	ENG	[1 to 4 / 1 / 1/step]
1-135-138	Embossed:Thick 2	ENG	
1-135-139	Embossed:Thick 3	ENG	
1-135-140	Embossed:Thick 4	ENG	
1-135-141	Embossed:Thick 5	ENG	
1-135-142	Embossed:Thick 6	ENG	
1-135-143	Embossed:Thick 7	ENG	
1-135-144	Embossed:Thick 8	ENG	
1-135-145	Embossed:Thick 9	ENG	
1-135-146	Magnet	ENG	[1 to 4 / 1 / 1/step]
1-135-147	Metallic/pearl:Thick 1	ENG	[1 to 4 / 1 / 1/step]
1-135-148	Metallic/pearl:Thick 2	ENG	
1-135-149	Metallic/pearl:Thick 3	ENG	
1-135-150	Metallic/pearl:Thick 4	ENG	
1-135-151	Metallic/pearl:Thick 5	ENG	
1-135-152	Metallic/pearl:Thick 6	ENG	
1-135-153	Metallic/pearl:Thick 7	ENG	
1-135-154	Metallic/pearl:Thick 8	ENG	
1-135-155	Metallic/pearl:Thick 9	ENG	
1-135-156	Clear File	ENG	[1 to 4 / 1 / 1/step]

1-135-157	Synthetic:Thick 1	ENG	[1 to 4 / 1 / 1/step]
1-135-158	Synthetic:Thick 2	ENG	
1-135-159	Synthetic:Thick 3	ENG	
1-135-160	Synthetic:Thick 4	ENG	
1-135-161	Synthetic:Thick 5	ENG	
1-135-162	Synthetic:Thick 6	ENG	
1-135-163	Synthetic:Thick 7	ENG	
1-135-164	Synthetic:Thick 8	ENG	
1-135-165	Synthetic:Thick 9	ENG	
1-135-166	NCR:Thick 1	ENG	[1 to 4 / 1 / 1/step]
1-135-167	NCR:Thick 2	ENG	
1-135-168	NCR:Thick 3	ENG	
1-135-169	NCR:Thick 4	ENG	
1-135-170	NCR:Thick 5	ENG	
1-135-171	NCR:Thick 6	ENG	
1-135-172	NCR:Thick 7	ENG	
1-135-173	NCR:Thick 8	ENG	
1-135-174	NCR:Thick 9	ENG	
1-135-175	Transparent Sheet	ENG	[1 to 4 / 1 / 1/step]
1-135-176	Tracing paper	ENG	[1 to 4 / 1 / 1/step]

1141	[Fusing SC Issue Time Info]		
1-141-001	SC Number	ENG	[0 to 999 / 0 / 1/step]
	Displays SC Error Number.		
1-141-002	SC Cause	ENG	[0 to 9 / 0 / 1/step]
	Displays branch numbers for Error Cause		

1-141-101	Htg Roller: Center Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Htg Roller: Center Temp. 0) when SC Error occurs.		
1-141-102	Htg Roller: Ends Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Htg Roller: Ends Temp. 0) when SC Error occurs.		
1-141-103	Press Roller: Ctr Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Press Roller: Ctr Temp. 0) when SC Error occurs.		
1-141-104	Press Roller: Ends Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Press Roller: Ends Temp. 0) when SC Error occurs.		
1-141-105	Hot Roller: Surface Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Hot Roller: Surface Temp. 0) when SC Error occurs.		
1-141-106	Hot Roller: Roll Core Temp. 0	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Hot Roller: Roll Core Temp. 0) when SC Error occurs.		
1-141-151	Htg Roller: Center Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Htg Roller: Center Temp. 1) when SC Error occurs.		
1-141-152	Htg Roller: Ends Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Htg Roller: Ends Temp. 1) when SC Error occurs.		
1-141-153	Press Roller: Ctr Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Press Roller: Ctr Temp. 1) when SC Error occurs.		
1-141-154	Press Roller: Ends Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Press Roller: Ends Temp. 1) when SC Error occurs.		
1-141-155	Hot Roller: Surface Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Hot Roller: Surface Temp. 1) when SC Error occurs.		
1-141-156	Hot Roller: Roll Core Temp. 1	ENG	[-5 to 280 / 0 / 1 deg/step]
	Displays calculation temperature (Hot Roller: Roll Core Temp. 1) when SC Error occurs.		

1-141-201	Htg Roller: Center Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Htg Roller: Center Temp. 2) when SC Error occurs.		
1-141-202	Htg Roller: Ends Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Htg Roller: Ends Temp. 2) when SC Error occurs.		
1-141-203	Press Roller: Ctr Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Press Roller: Ctr Temp. 2) when SC Error occurs.		
1-141-204	Press Roller: Ends Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Press Roller: Ends Temp. 2) when SC Error occurs.		
1-141-205	Hot Roller: Surface Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Hot Roller: Surface Temp. 2) when SC Error occurs.		
1-141-206	Hot Roller: Roll Core Temp. 2	ENG	[-5 to 280 / 0 / 1deg/step]
	Displays calculation temperature (Hot Roller: Roll Core Temp. 2) when SC Error occurs.		

1142	[Fusing Jam Detection]		
1-142-001	SC Display	ENG	[0 or 1 / 0 / 1/step]
	Display SC for Fusing Jam 3 Times Continuous Detection		

1151	[Pressure Setting]		
1-151-010	Pressure Position1	ENG	[0 to 10,000 / 638 / 1 msec/step]
	Sets stopping timing for Press1 Position.		
1-151-011	Pressure Position2	ENG	[0 to 10,000 / 638 / 1 msec/step]
	Sets stopping timing for Press2 Position.		
1-151-012	Pressure Position3	ENG	[0 to 10,000 / 2200 / 1 msec/step]
	Sets stopping timing for Press3 Position.		

1-151-013	Pressure Position4	ENG	[0 to 10,000 / 2802 / 1 msec/step]
	Sets stopping timing for Press4 Position.		
1-151-021	WarmUp:Press	ENG	[1 to 4 / 3 / 1/step]
	Sets Press Position for WarmUp. 1: Press 1, 2: Press 2, 3: Press 3, 4 :Press 4		
1-151-022	Reload:Press	ENG	[1 to 4 / 3 / 1/step]
	Sets Press Position for Reload. 1: Press 1, 2: Press 2, 3: Press 3, 4 :Press 4		
1-151-023	PreJob:Press	ENG	[1 to 4 / 3 / 1/step]
	Sets Press Position for PreJob. 1: Press 1, 2: Press 2, 3: Press 3, 4 :Press 4		
1-151-024	Standby:Press	ENG	[1 to 4 / 3 / 1/step]
	Sets Press Position for Standby. 1: Press 1, 2: Press 2, 3: Press 3, 4 :Press 4		
1-151-025	PrePress Timing	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets Press Position for PrePress Timing.		

1153	[Press Roller Cooling Fan]		
1-153-001	W-up:Comp Temp:Cen	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-002	W-up:Comp Temp:End	ENG	
1-153-003	Standby:Comp Temp:Cen	ENG	
1-153-004	Standby:Comp Temp:End	ENG	
1-153-005	Job:Comp Temp:Cen	ENG	
1-153-006	Job:Comp Temp:End	ENG	
1-153-007	After:Co-Temp:Cen	ENG	
1-153-008	After:Co-Temp:End	ENG	

1-153-009	PreReload:Duty:Cen	ENG	[0 to 100 / 100 / 1%/step]
1-153-010	PreReload:Duty:End	ENG	
1-153-011	PreJob:Duty:Cen	ENG	
1-153-012	PreJob:Duty:End	ENG	
1-153-013	Job:Duty:Cen	ENG	
1-153-014	Job:Duty:End	ENG	
1-153-015	After:Duty:Cen	ENG	
1-153-016	After:Duty:End	ENG	
1-153-017	Standby:Duty:Cen	ENG	
1-153-018	Standby:Duty:End	ENG	
1-153-019	Temp.:Threshold:Low	ENG	[0 to 100 / 17 / 1 deg/step]
1-153-020	Temp.:Threshold:High	ENG	[0 to 100 / 30 / 1 deg/step]
1-153-021	Job End Fan Time	ENG	[0 to 500 / 30 / 1 deg/step]
1-153-023	Job: Change Time	ENG	[0 to 500 / 60 / 1 deg/step]
1-153-024	PreJob:Co-temp:Press	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-025	Change:Co-Temp:Cen	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-026	Change:Co-Temp:End	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-027	Change:Duty:Cen	ENG	[0 to 100 / 100 / 1%/step]
1-153-028	Change:Duty:End	ENG	
1-153-029	Refresh:Co-Temp:Cen	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-030	Refresh:Co-Temp:End	ENG	

1-153-041	Chan:Co-Temp:Cen:1	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-042	Chan:Co-Temp:Cen:2	ENG	
1-153-043	Chan:Co-Temp:Cen:3	ENG	
1-153-044	Chan:Co-Temp:Cen:4	ENG	
1-153-045	Chan:Co-Temp:Cen:5	ENG	
1-153-046	Chan:Co-Temp:Cen:6	ENG	
1-153-047	Chan:Co-Temp:Cen:7	ENG	
1-153-048	Chan:Co-Temp:Cen:8	ENG	
1-153-049	Chan:Co-Temp:Cen:9	ENG	
1-153-051	Chan:Co-Temp:End:1	ENG	[0 to 100 / 0 / 1 deg/step]
1-153-052	Chan:Co-Temp:End:2	ENG	
1-153-053	Chan:Co-Temp:End:3	ENG	
1-153-054	Chan:Co-Temp:End:4	ENG	
1-153-055	Chan:Co-Temp:End:5	ENG	
1-153-056	Chan:Co-Temp:End:6	ENG	
1-153-057	Chan:Co-Temp:End:7	ENG	
1-153-058	Chan:Co-Temp:End:8	ENG	
1-153-059	Chan:Co-Temp:End:9	ENG	

1-153-061	Chan:Duty:Cen:1	ENG	[0 to 100 / 100 / 1%/step]
1-153-062	Chan:Duty:Cen:2	ENG	
1-153-063	Chan:Duty:Cen:3	ENG	
1-153-064	Chan:Duty:Cen:4	ENG	
1-153-065	Chan:Duty:Cen:5	ENG	
1-153-066	Chan:Duty:Cen:6	ENG	
1-153-067	Chan:Duty:Cen:7	ENG	
1-153-068	Chan:Duty:Cen:8	ENG	
1-153-069	Chan:Duty:Cen:9	ENG	
1-153-071	Chan:Duty:End:1	ENG	[0 to 100 / 100 / 1%/step]
1-153-072	Chan:Duty:End:2	ENG	
1-153-073	Chan:Duty:End:3	ENG	
1-153-074	Chan:Duty:End:4	ENG	
1-153-075	Chan:Duty:End:5	ENG	
1-153-076	Chan:Duty:End:6	ENG	
1-153-077	Chan:Duty:End:7	ENG	
1-153-078	Chan:Duty:End:8	ENG	
1-153-079	Chan:Duty:End:9	ENG	
1-153-101	Low Temp. Correction	ENG	[-30 to 30 / 0 / 1 deg/step]
1-153-102	High Temp. Correction	ENG	
1-153-103	Low Duty. Correction	ENG	[-50 to 50 / 0 / 1%/step]
1-153-104	High Duty. Correction	ENG	
1-153-105	Exh:Duty:1	ENG	[0 to 100 / 15 / 1%/step]
1-153-106	Exh:Duty:2	ENG	[0 to 100 / 30 / 1%/step]
1-153-107	Exh:Duty:3	ENG	[0 to 100 / 45 / 1%/step]
1-153-108	Exh:Duty:4	ENG	[0 to 100 / 60 / 1%/step]

1-153-109	Exh:Duty:5	ENG	[0 to 100 / 75 / 1%/step]
1-153-110	Exh:Duty:6	ENG	[0 to 100 / 90 / 1%/step]
1-153-111	Duty:Cen:End:1	ENG	[0 to 300 / 50 / 1%/step]
1-153-112	Duty:Cen:End:2	ENG	[0 to 300 / 100 / 1%/step]
1-153-113	Duty:Cen:End:3	ENG	[0 to 300 / 150 / 1%/step]
1-153-114	Duty:Cen:End:4	ENG	[0 to 300 / 200 / 1%/step]
1-153-115	Duty:Cen:End:5	ENG	[0 to 300 / 250 / 1%/step]
1-153-120	Job Htg R Temp.:Threshold:A5	ENG	[150 to 300 / 220 / 1 deg/step]
1-153-121	Job Htg R Temp.:Threshold:A4	ENG	
1-153-122	Job Htg R Temp.:Threshold:Category1	ENG	[150 to 300 / 220 / 1 deg/step]
1-153-123	Job Htg R Temp.:Threshold:Category2	ENG	
1-153-124	Job Htg R Temp.:Threshold:Category3	ENG	
1-153-125	Job Htg R Temp.:Threshold:Category4	ENG	
1-153-126	Job Htg R Temp.:Threshold:Category5	ENG	
1-153-130	Job Htg R Fan Duty.:Threshold:A5	ENG	[0 to 100 / 100 / 1%/step]
1-153-131	Job Htg R Fan Duty.:Threshold:A4	ENG	

1-153-132	Job Htg R Fan Duty.:Threshold:Category1	ENG	[0 to 100 / 100 / 1%/step]
1-153-133	Job Htg R Fan Duty.:Threshold:Category2	ENG	
1-153-134	Job Htg R Fan Duty.:Threshold:Category3	ENG	
1-153-135	Job Htg R Fan Duty.:Threshold:Category4	ENG	
1-153-136	Job Htg R Fan Duty.:Threshold:Category5	ENG	

1154	[Standby Rotation]		
1-154-001	Hot Roller Temp	ENG	[0 to 200 / 80 / 1 deg/step]
	Hot Roller Temp. for Idle Rotation operation		
1-154-002	Press Roller Temp	ENG	[0 to 200 / 30 / 1 deg/step]
	Press Roller Temp. for Idle Rotation operation		
1-154-004	Rotation Time	ENG	[1 to 255 / 30 / 1 sec/step]
	Standby Rotaion Time		

1161	[Fusing Cleaning Web]		
1-161-003	Execute Takeup After Replacement	ENG	[0 or 1 / 0 / 1/step]
	Executes Takeup After Web Replacement.		
1-161-004	Duplex Takeup Cycle Adj	ENG	[-75 to 0 / 0 / 5%/step]
	Cleaning Web Takeup Cycle Change UP		

1206	[Paper Shift Setting]		
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1-206-001	Shift Mode Selection	ENG	[0 to 2 / 1 / 1/step]
	0: Shift 1: Shift: Off(Folding Mode) 2: Shift: Off		

1210	[Fusing Unit Setting]		
1-210-001	Fusing Unit Number	ENG	[1 to 4 / 1 / 1/step] 1: UNI1 2: UNI2 3: UNI3 4: UNI4
1-210-002	Fusing Unit Number:Present Value	ENG	[1 to 4 / 1 / 1/step] 1: UNI1 2: UNI2 3: UNI3 4: UNI4
1-210-011	UNI1:#Fuser Unit:Distance Cnt (cm)	ENG	[0 to 0x7FFFFFFF / 0 / 1 cm/step]
1-210-012	UNI1:Belt:Distance Cnt (cm)	ENG	
1-210-013	UNI1:Fusing Roller:Distance Cnt (cm)	ENG	
1-210-014	UNI1:Pressure Roller:Distance Cnt (cm)	ENG	
1-210-015	UNI1:Thermistor:Distance Cnt (cm)	ENG	
1-210-016	UNI1:Separation Pad:Distance Cnt (cm)	ENG	
1-210-017	UNI1:Smoothing Roll:Distance Cnt (cm)	ENG	
1-210-018	UNI1:#Fuser Cleaning Unit:Distance Cnt (cm)	ENG	

1-210-019	UNI1:#Fuser Unit:Distance Cnt	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-210-020	UNI1:Fuser Unit:Belt:Distance Cnt	ENG	
1-210-021	UNI1:Fuser Unit:Fusing Roller:Distance Cnt	ENG	
1-210-022	UNI1:Fuser Unit:Pressure Roller:Distance Cnt	ENG	
1-210-023	UNI1:Fuser Unit:Thermistor:Distance Cnt	ENG	
1-210-024	UNI1:Fuser Unit:Separation Pad:Distance Cnt	ENG	
1-210-025	UNI1:Fuser Belt:Smoothing Roll:Distance Cnt	ENG	
1-210-026	UNI1:#Fuser Cleaning Unit:Distance Cnt	ENG	
1-210-027	UNI1:#Fuser Unit:PM Cnt	ENG	[0 to 99999999 / 0 / 1/step]
1-210-028	UNI1:Fuser Unit:Belt:PM Cnt	ENG	
1-210-029	UNI1:Fuser Unit:Fusing Roller:PM Counter	ENG	
1-210-030	UNI1:Fuser Unit:Pressure Roller:PM Counter	ENG	
1-210-031	UNI1:Fuser Unit:Thermistor:PM Counter	ENG	
1-210-032	UNI1:Fuser Unit:Separation Pad:PM Counter	ENG	
1-210-033	UNI1:Fuser Belt:Smoothing Roller:PM Counter	ENG	
1-210-034	UNI1:#Fuser Cleaning Unit:PM Counter	ENG	
1-210-035	UNI1:Web: Total Page Counter	ENG	

1-210-036	UNI1:Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1 cycle/step]
1-210-037	UNI1:Refresh Page Cnt Category1	ENG	[0 to 126000000 / 0 / 1 mm/step]
1-210-038	UNI1:Refresh Page Cnt Category2	ENG	
1-210-039	UNI1:Refresh Page Cnt Category3	ENG	
1-210-040	UNI1:Refresh Page Cnt Category4	ENG	
1-210-041	UNI1:Refresh Page Cnt Category5	ENG	
1-210-042	UNI1:Refresh Page Cnt Category6	ENG	[0 to 126000000 / 0 / 1 mm/step]
1-210-043	UNI1:Refresh Page Cnt Category7	ENG	
1-210-044	UNI1:Refresh Page Cnt Category8	ENG	
1-210-045	UNI1:Refresh Page Cnt Category9	ENG	
1-210-046	UNI1:Refresh Page Cnt Category10	ENG	
1-210-047	UNI1:Refresh Page Cnt Category11	ENG	
1-210-048	UNI1:Total Operation Time	ENG	[0 to 6000000 / 0 / 1 sec/step]
1-210-049	UNI1:Web End Recording	ENG	[0 or 1 / 0 / 1/step] 0: Not web end 1: Web end

1-210-061	UNI2:#Fuser Unit:Distance Cnt (cm)	ENG	[0 to 0x7FFFFFFF / 0 / 1 cm/step]
1-210-062	UNI2:Belt:Distance Cnt (cm)	ENG	
1-210-063	UNI2:Fusing Roller:Distance Cnt (cm)	ENG	
1-210-064	UNI2:Pressure Roller:Distance Cnt (cm)	ENG	
1-210-065	UNI2:Thermistor:Distance Cnt (cm)	ENG	
1-210-066	UNI2:Separation Pad:Distance Cnt (cm)	ENG	
1-210-067	UNI2Smoothing Roll:Distance Cnt (cm)	ENG	
1-210-068	UNI2:#Fuser Cleaning Unit:Distance Cnt (cm)	ENG	
1-210-069	UNI2:#Fuser Unit:Distance Cnt	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-210-070	UNI2:Fuser Unit:Belt:Distance Cnt	ENG	
1-210-071	UNI2:Fuser Unit:Fusing Roller:Distance Cnt	ENG	
1-210-072	UNI2:Fuser Unit:Pressure Roller:Distance Cnt	ENG	
1-210-073	UNI2:Fuser Unit:Thermistor:Distance Cnt	ENG	
1-210-074	UNI2:Fuser Unit:Separation Pad:Distance Cnt	ENG	
1-210-075	UNI2:Fuser Belt:Smoothing Roll:Distance Cnt	ENG	
1-210-076	UNI2:#Fuser Cleaning Unit:Distance Cnt	ENG	

1-210-077	UNI2:#Fuser Unit:PM Counter	ENG		
1-210-078	UNI2:Fuser Unit:Belt:PM Counter	ENG		
1-210-079	UNI2:Fuser Unit:Fusing Roller:PM Counter	ENG		
1-210-080	UNI2:Fuser Unit:Pressure Roller:PM Counter	ENG		
1-210-081	UNI2:Fuser Unit:Thermistor:PM Counter	ENG		[0 to 99999999 / 0 / 1/step]
1-210-082	UNI2:Fuser Unit:Separation Pad:PM Counter	ENG		
1-210-083	UNI2:Fuser Belt:Smoothing Roller:PM Counter	ENG		
1-210-084	UNI2:#Fuser Cleaning Unit:PM Counter	ENG		
1-210-085	UNI2:Web: Total Page Counter	ENG	[0 to 999999999 / 0 / 1 sec/step]	
1-210-086	UNI2:Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1 cycle/step]	
1-210-087	UNI2:Refresh Page Cnt Category1	ENG		
1-210-088	UNI2:Refresh Page Cnt Category2	ENG		
1-210-089	UNI2:Refresh Page Cnt Category3	ENG		[0 to 126000000 / 0 / 1 mm/step]
1-210-090	UNI2:Refresh Page Cnt Category4	ENG		
1-210-091	UNI2:Refresh Page Cnt Category5	ENG		

1-210-092	UNI2:Refresh Page Cnt Category6	ENG	[0 to 126000000 / 0 / 1 mm/ step]
1-210-093	UNI2:Refresh Page Cnt Category7	ENG	
1-210-094	UNI2:Refresh Page Cnt Category8	ENG	
1-210-095	UNI2:Refresh Page Cnt Category9	ENG	
1-210-096	UNI2:Refresh Page Cnt Category10	ENG	
1-210-097	UNI2:Refresh Page Cnt Category11	ENG	
1-210-098	UNI2:Total Operation Time	ENG	[0 to 6000000 / 0 / 1 sec/step]
1-210-099	UNI2:Web End Recording	ENG	[0 or 1 / 0 / 1/step]
1-210-111	UNI3:#Fuser Unit:Distance Cnt (cm)	ENG	[0 to 0x7FFFFFFF / 0 / 1 cm/step]
1-210-112	UNI3:Belt:Distance Cnt (cm)	ENG	
1-210-113	UNI3:Fusing Roller:Distance Cnt (cm)	ENG	
1-210-114	UNI3:Pressure Roller:Distance Cnt (cm)	ENG	
1-210-115	UNI3:Thermistor:Distance Cnt (cm)	ENG	
1-210-116	UNI3:Separation Pad:Distance Cnt (cm)	ENG	
1-210-117	UNI3:Smoothing Roll:Distance Cnt (cm)	ENG	
1-210-118	UNI3:#Fuser Cleaning Unit:Distance Cnt (cm)	ENG	

1-210-119	UNI3:#Fuser Unit:Distance Cnt	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-210-120	UNI3:Fuser Unit:Belt:Distance Cnt	ENG	
1-210-121	UNI3:Fuser Unit:Fusing Roller:Distance Cnt	ENG	
1-210-122	UNI3:Fuser Unit:Pressure Roller:Distance Cnt	ENG	
1-210-123	UNI3:Fuser Unit:Thermistor:Distance Cnt	ENG	
1-210-124	UNI3:Fuser Unit:Separation Pad:Distance Cnt	ENG	
1-210-125	UNI3:Fuser Belt:Smoothing Roll:Distance Cnt	ENG	
1-210-126	UNI3:#Fuser Cleaning Unit:Distance Cnt	ENG	
1-210-127	UNI3:#Fuser Unit:PM Counter	ENG	[0 to 99999999 / 0 / 1/step]
1-210-128	UNI3:Fuser Unit:Belt:PM Counter	ENG	
1-210-129	UNI3:Fuser Unit:Fusing Roller:PM Counter	ENG	
1-210-130	UNI3:Fuser Unit:Pressure Roller:PM Counter	ENG	
1-210-131	UNI3:Fuser Unit:Thermistor:PM Counter	ENG	
1-210-132	UNI3:Fuser Unit:Separation Pad:PM Counter	ENG	
1-210-133	UNI3:Fuser Belt:Smoothing Roller:PM Counter	ENG	
1-210-134	UNI3:#Fuser Cleaning Unit:PM Counter	ENG	
1-210-135	UNI3:Web: Total Page Counter	ENG	

1-210-136	UNI3:Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1 cycle/ step]	
1-210-137	UNI3:Refresh Page Cnt Category1	ENG		
1-210-138	UNI3:Refresh Page Cnt Category2	ENG		
1-210-139	UNI3:Refresh Page Cnt Category3	ENG		[0 to 126000000 / 0 / 1 mm/ step]
1-210-140	UNI3:Refresh Page Cnt Category4	ENG		
1-210-141	UNI3:Refresh Page Cnt Category5	ENG		
1-210-142	UNI3:Refresh Page Cnt Category6	ENG		
1-210-143	UNI3:Refresh Page Cnt Category7	ENG		
1-210-144	UNI3:Refresh Page Cnt Category8	ENG	[0 to 126000000 / 0 / 1 mm/ step]	
1-210-145	UNI3:Refresh Page Cnt Category9	ENG		
1-210-146	UNI3:Refresh Page Cnt Category10	ENG		
1-210-147	UNI3:Refresh Page Cnt Category11	ENG		
1-210-148	UNI3:Total Operation Time	ENG	[0 to 6000000 / 0 / 1 sec/step]	
1-210-149	UNI3:Web End Recording	ENG	[0 or 1 / 0 / 1/step]	

1-210-161	UNI4:#Fuser Unit:Distance Cnt (cm)	ENG	[0 to 0x7FFFFFFF / 0 / 1 cm/step]
1-210-162	UNI4:Belt:Distance Cnt (cm)	ENG	
1-210-163	UNI4:Fusing Roller:Distance Cnt (cm)	ENG	
1-210-164	UNI4:Pressure Roller:Distance Cnt (cm)	ENG	
1-210-165	UNI4:Thermistor:Distance Cnt (cm)	ENG	
1-210-166	UNI4:Separation Pad:Distance Cnt (cm)	ENG	
1-210-167	UNI4:Smoothing Roll:Distance Cnt (cm)	ENG	
1-210-168	UNI4:#Fuser Cleaning Unit:Distance Cnt (cm)	ENG	
1-210-169	UNI4:#Fuser Unit:Distance Cnt	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-210-170	UNI4:Fuser Unit:Belt:Distance Cnt	ENG	
1-210-171	UNI4:Fuser Unit:Fusing Roller:Distance Cnt	ENG	
1-210-172	UNI4:Fuser Unit:Pressure Roller:Distance Cnt	ENG	
1-210-173	UNI4:Fuser Unit:Thermistor:Distance Cnt	ENG	
1-210-174	UNI4:Fuser Unit:Separation Pad:Distance Cnt	ENG	
1-210-175	UNI4:Fuser Belt:Smoothing Roll:Distance Cnt	ENG	
1-210-176	UNI4:#Fuser Cleaning Unit:Distance Cnt	ENG	

1-210-177	UNI4:#Fuser Unit:PM Counter	ENG		
1-210-178	UNI4:Fuser Unit:Belt:PM Counter	ENG		
1-210-179	UNI4:Fuser Unit:Fusing Roller:PM Counter	ENG		
1-210-180	UNI4:Fuser Unit:Pressure Roller:PM Counter	ENG		
1-210-181	UNI4:Fuser Unit:Thermistor:PM Counter	ENG		[0 to 99999999 / 0 / 1/step]
1-210-182	UNI4:Fuser Unit:Separation Pad:PM Counter	ENG		
1-210-183	UNI4:Fuser Belt:Smoothing Roller:PM Counter	ENG		
1-210-184	UNI4:#Fuser Cleaning Unit:PM Counter	ENG		
1-210-185	UNI4:Web: Total Page Counter	ENG	[0 to 999999999 / 0 / 1 sec/step]	
1-210-186	UNI4:Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1 cycle/step]	
1-210-187	UNI4:Refresh Page Cnt Category1	ENG		
1-210-188	UNI4:Refresh Page Cnt Category2	ENG		
1-210-189	UNI4:Refresh Page Cnt Category3	ENG		[0 to 126000000 / 0 / 1 mm/step]
1-210-190	UNI4:Refresh Page Cnt Category4	ENG		
1-210-191	UNI4:Refresh Page Cnt Category5	ENG		

1-210-192	UNI4:Refresh Page Cnt Category6	ENG	[0 to 126000000 / 0 / 1 mm/step]
1-210-193	UNI4:Refresh Page Cnt Category7	ENG	
1-210-194	UNI4:Refresh Page Cnt Category8	ENG	
1-210-195	UNI4:Refresh Page Cnt Category9	ENG	
1-210-196	UNI4:Refresh Page Cnt Category10	ENG	
1-210-197	UNI4:Refresh Page Cnt Category11	ENG	
1-210-198	UNI4:Total Operation Time	ENG	[0 to 6000000 / 0 / 1 sec/step]
1-210-199	UNI4:Web End Recording	ENG	[0 or 1 / 0 / 1/step]

1211	[Pg Count History:Latest 1]		
1-211-001	UNI1:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-211-002	UNI1:Fuser Unit:Belt	ENG	
1-211-003	UNI1:Fuser Unit:Fusing Roller	ENG	
1-211-004	UNI1:Fuser Unit:Pressure Roller	ENG	
1-211-005	UNI1:Fuser Unit:Thermistor	ENG	
1-211-006	UNI1:Fuser Unit:Separation Pad	ENG	
1-211-007	UNI1:Fuser Belt:Smoothing Roller	ENG	
1-211-008	UNI1:#Fuser Cleaning Unit	ENG	

1-211-009	UNI2:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-211-010	UNI2:Fuser Unit:Belt	ENG	
1-211-011	UNI2:Fuser Unit:Fusing Roller	ENG	
1-211-012	UNI2:Fuser Unit:Pressure Roller	ENG	
1-211-013	UNI2:Fuser Unit:Thermistor	ENG	
1-211-014	UNI2:Fuser Unit:Separation Pad	ENG	
1-211-015	UNI2:Fuser Belt:Smoothing Roller	ENG	
1-211-016	UNI2:#Fuser Cleaning Unit	ENG	
1-211-017	UNI3:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-211-018	UNI3:Fuser Unit:Belt	ENG	
1-211-019	UNI3:Fuser Unit:Fusing Roller	ENG	
1-211-020	UNI3:Fuser Unit:Pressure Roller	ENG	
1-211-021	UNI3:Fuser Unit:Thermistor	ENG	
1-211-022	UNI3:Fuser Unit:Separation Pad	ENG	
1-211-023	UNI3:Fuser Belt:Smoothing Roller	ENG	
1-211-024	UNI3:#Fuser Cleaning Unit	ENG	
1-211-025	UNI4:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-211-026	UNI4:Fuser Unit:Belt	ENG	
1-211-027	UNI4:Fuser Unit:Fusing Roller	ENG	
1-211-028	UNI4:Fuser Unit:Pressure Roller	ENG	
1-211-029	UNI4:Fuser Unit:Thermistor	ENG	
1-211-030	UNI4:Fuser Unit:Separation Pad	ENG	
1-211-031	UNI4:Fuser Belt:Smoothing Roller	ENG	
1-211-032	UNI4:#Fuser Cleaning Unit	ENG	

1212

[Pg Count History:Latest 2]

1-212-001	UNI1:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-212-002	UNI1:Fuser Unit:Belt	ENG	
1-212-003	UNI1:Fuser Unit:Fusing Roller	ENG	
1-212-004	UNI1:Fuser Unit:Pressure Roller	ENG	
1-212-005	UNI1:Fuser Unit:Thermistor	ENG	
1-212-006	UNI1:Fuser Unit:Separation Pad	ENG	
1-212-007	UNI1:Fuser Belt:Smoothing Roller	ENG	
1-212-008	UNI1:#Fuser Cleaning Unit	ENG	
1-212-009	UNI2:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-212-010	UNI2:Fuser Unit:Belt	ENG	
1-212-011	UNI2:Fuser Unit:Fusing Roller	ENG	
1-212-012	UNI2:Fuser Unit:Pressure Roller	ENG	
1-212-013	UNI2:Fuser Unit:Thermistor	ENG	
1-212-014	UNI2:Fuser Unit:Separation Pad	ENG	
1-212-015	UNI2:Fuser Belt:Smoothing Roller	ENG	
1-212-016	UNI2:#Fuser Cleaning Unit	ENG	
1-212-017	UNI3:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-212-018	UNI3:Fuser Unit:Belt	ENG	
1-212-019	UNI3:Fuser Unit:Fusing Roller	ENG	
1-212-020	UNI3:Fuser Unit:Pressure Roller	ENG	
1-212-021	UNI3:Fuser Unit:Thermistor	ENG	
1-212-022	UNI3:Fuser Unit:Separation Pad	ENG	
1-212-023	UNI3:Fuser Belt:Smoothing Roller	ENG	
1-212-024	UNI3:#Fuser Cleaning Unit	ENG	

1-212-025	UNI4:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
1-212-026	UNI4:Fuser Unit:Belt	ENG	
1-212-027	UNI4:Fuser Unit:Fusing Roller	ENG	
1-212-028	UNI4:Fuser Unit:Pressure Roller	ENG	
1-212-029	UNI4:Fuser Unit:Thermistor	ENG	
1-212-030	UNI4:Fuser Unit:Separation Pad	ENG	
1-212-031	UNI4:Fuser Belt:Smoothing Roller	ENG	
1-212-032	UNI4:#Fuser Cleaning Unit	ENG	

1213	[Drive Dist History:Latest 1]		
1-213-001	UNI1:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-213-002	UNI1:Fuser Unit:Belt	ENG	
1-213-003	UNI1:Fuser Unit:Fusing Roller	ENG	
1-213-004	UNI1:Fuser Unit:Pressure Roller	ENG	
1-213-005	UNI1:Fuser Unit:Thermistor	ENG	
1-213-006	UNI1:Fuser Unit:Separation Pad	ENG	
1-213-007	UNI1:Fuser Belt:Smoothing Roller	ENG	
1-213-008	UNI1:#Fuser Cleaning Unit	ENG	
1-213-009	UNI2:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-213-010	UNI2:Fuser Unit:Belt	ENG	
1-213-011	UNI2:Fuser Unit:Fusing Roller	ENG	
1-213-012	UNI2:Fuser Unit:Pressure Roller	ENG	
1-213-013	UNI2:Fuser Unit:Thermistor	ENG	
1-213-014	UNI2:Fuser Unit:Separation Pad	ENG	
1-213-015	UNI2:Fuser Belt:Smoothing Roller	ENG	
1-213-016	UNI2:#Fuser Cleaning Unit	ENG	

1-213-017	UNI3:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-213-018	UNI3:Fuser Unit:Belt	ENG	
1-213-019	UNI3:Fuser Unit:Fusing Roller	ENG	
1-213-020	UNI3:Fuser Unit:Pressure Roller	ENG	
1-213-021	UNI3:Fuser Unit:Thermistor	ENG	
1-213-022	UNI3:Fuser Unit:Separation Pad	ENG	
1-213-023	UNI3:Fuser Belt:Smoothing Roller	ENG	
1-213-024	UNI3:#Fuser Cleaning Unit	ENG	
1-213-025	UNI4:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-213-026	UNI4:Fuser Unit:Belt	ENG	
1-213-027	UNI4:Fuser Unit:Fusing Roller	ENG	
1-213-028	UNI4:Fuser Unit:Pressure Roller	ENG	
1-213-029	UNI4:Fuser Unit:Thermistor	ENG	
1-213-030	UNI4:Fuser Unit:Separation Pad	ENG	
1-213-031	UNI4:Fuser Belt:Smoothing Roller	ENG	
1-213-032	UNI4:#Fuser Cleaning Unit	ENG	

1214	[Drive Dist History:Latest 2]		
1-214-001	UNI1:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-214-002	UNI1:Fuser Unit:Belt	ENG	
1-214-003	UNI1:Fuser Unit:Fusing Roller	ENG	
1-214-004	UNI1:Fuser Unit:Pressure Roller	ENG	
1-214-005	UNI1:Fuser Unit:Thermistor	ENG	
1-214-006	UNI1:Fuser Unit:Separation Pad	ENG	
1-214-007	UNI1:Fuser Belt:Smoothing Roller	ENG	
1-214-008	UNI1:#Fuser Cleaning Unit	ENG	

1-214-009	UNI2:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-214-010	UNI2:Fuser Unit:Belt	ENG	
1-214-011	UNI2:Fuser Unit:Fusing Roller	ENG	
1-214-012	UNI2:Fuser Unit:Pressure Roller	ENG	
1-214-013	UNI2:Fuser Unit:Thermistor	ENG	
1-214-014	UNI2:Fuser Unit:Separation Pad	ENG	
1-214-015	UNI2:Fuser Belt:Smoothing Roller	ENG	
1-214-016	UNI2:#Fuser Cleaning Unit	ENG	
1-214-017	UNI3:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-214-018	UNI3:Fuser Unit:Belt	ENG	
1-214-019	UNI3:Fuser Unit:Fusing Roller	ENG	
1-214-020	UNI3:Fuser Unit:Pressure Roller	ENG	
1-214-021	UNI3:Fuser Unit:Thermistor	ENG	
1-214-022	UNI3:Fuser Unit:Separation Pad	ENG	
1-214-023	UNI3:Fuser Belt:Smoothing Roller	ENG	
1-214-024	UNI3:#Fuser Cleaning Unit	ENG	
1-214-025	UNI4:#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 mm/step]
1-214-026	UNI4:Fuser Unit:Belt	ENG	
1-214-027	UNI4:Fuser Unit:Fusing Roller	ENG	
1-214-028	UNI4:Fuser Unit:Pressure Roller	ENG	
1-214-029	UNI4:Fuser Unit:Thermistor	ENG	
1-214-030	UNI4:Fuser Unit:Separation Pad	ENG	
1-214-031	UNI4:Fuser Belt:Smoothing Roller	ENG	
1-214-032	UNI4:#Fuser Cleaning Unit	ENG	

1302

[Dbl-Feed Detect]

1-302-001	Tray1	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray1.		
1-302-002	Tray2	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray2.		
1-302-003	LCT1: Tray3	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-004	LCT1: Tray4	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-005	LCT2: Tray5	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-006	LCT2: Tray6	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-007	LCT3: Tray7	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-008	LCT3: Tray8	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
1-302-009	By-Pass Tray	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Bypass Tray.		

1303	[After Dbl-Feed Det Op Set]		
1-303-001	Operation (0: Jam, 1: Purge1, 2: Purge2)	ENG	[0 to 2 / 2 / 1/step] 0: Jam 1: Purge 1 (Inverter) 2: Purge 2 (PTB)
Selects the operation type after the machine has detected double-feed.			

1304	[Double Feed Detect Setup]		
1-304-001	Detection Group	ENG	[1 to 10 / 1 / 1/step]
1-304-002	Burst Drive Cycle	ENG	[1.5 to 5.0 / 2 / 0.1 msec/step]
1-304-003	Detect distance	ENG	[10 to 200 / 100 / 1 mm/step]
1-304-004	Burst number	ENG	[1 to 10 / 5 / 1/step]
1-304-005	Detect number	ENG	[1 to 8 / 5 / 1/step]
1-304-006	Detect Adjustment	ENG	[0 to 1 / 0 / 1/step]
1-304-007	Detect Mode	ENG	[0 to 1 / 0 / 1/step]

1501	[Lead Edge Reg Standard Value]		
1-501-001	Front Side	ENG	[-3.0 to 3.0 / 0 / 0.1 mm/step]
1-501-002	Back Side	ENG	[-3.0 to 3.0 / 0 / 0.1 mm/step]

1502	[Side-to-SideReg StandardValue]		
1-502-001	Front Side	ENG	[-3.0 to 3.0 / 0 / 0.1 mm/step]
1-502-002	Back Side	ENG	[-3.0 to 3.0 / 0 / 0.1 mm/step]

1803	[Curl Correction]		
0: Curl Correction Off 1: Curl Correction On			

1-803-101	Curl Pattern Plain:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-102	Curl Pattern Plain:Thick 2	ENG	
1-803-103	Curl Pattern Plain:Thick 3	ENG	
1-803-104	Curl Pattern Plain:Thick 4	ENG	
1-803-105	Curl Pattern Plain:Thick 5	ENG	
1-803-106	Curl Pattern Plain:Thick 6	ENG	
1-803-107	Curl Pattern Plain:Thick 7	ENG	
1-803-108	Curl Pattern Plain:Thick 8	ENG	
1-803-109	Curl Pattern Plain:Thick 9	ENG	
1-803-110	Curl Pattern Glossy:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-111	Curl Pattern Glossy:Thick 2	ENG	
1-803-112	Curl Pattern Glossy:Thick 3	ENG	
1-803-113	Curl Pattern Glossy:Thick 4	ENG	
1-803-114	Curl Pattern Glossy:Thick 5	ENG	
1-803-115	Curl Pattern Glossy:Thick 6	ENG	
1-803-116	Curl Pattern Glossy:Thick 7	ENG	
1-803-117	Curl Pattern Glossy:Thick 8	ENG	
1-803-118	Curl Pattern Glossy:Thick 9	ENG	

1-803-119	Curl Pattern Matte:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-120	Curl Pattern Matte:Thick 2	ENG	
1-803-121	Curl Pattern Matte:Thick 3	ENG	
1-803-122	Curl Pattern Matte:Thick 4	ENG	
1-803-123	Curl Pattern Matte:Thick 5	ENG	
1-803-124	Curl Pattern Matte:Thick 6	ENG	
1-803-125	Curl Pattern Matte:Thick 7	ENG	
1-803-126	Curl Pattern Matte:Thick 8	ENG	
1-803-127	Curl Pattern Matte:Thick 9	ENG	
1-803-132	Curl Pattern Envelope:Thick 5	ENG	[0 or 1 / 0 / 1/step]
1-803-133	Curl Pattern Envelope:Thick 6	ENG	
1-803-134	Curl Pattern Envelope:Thick 7	ENG	
1-803-137	Curl Pattern Embossed:Thick 1	ENG	
1-803-138	Curl Pattern Embossed:Thick 2	ENG	
1-803-139	Curl Pattern Embossed:Thick 3	ENG	
1-803-140	Curl Pattern Embossed:Thick 4	ENG	
1-803-141	Curl Pattern Embossed:Thick 5	ENG	
1-803-142	Curl Pattern Embossed:Thick 6	ENG	
1-803-143	Curl Pattern Embossed:Thick 7	ENG	
1-803-144	Curl Pattern Embossed:Thick 8	ENG	
1-803-145	Curl Pattern Embossed:Thick 9	ENG	
1-803-146	Curl Pattern Magnet	ENG	[0 or 1 / 0 / 1/step]

1-803-147	Curl Pattern Metallic/pearl:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-148	Curl Pattern Metallic/pearl:Thick 2	ENG	
1-803-149	Curl Pattern Metallic/pearl:Thick 3	ENG	
1-803-150	Curl Pattern Metallic/pearl:Thick 4	ENG	
1-803-151	Curl Pattern Metallic/pearl:Thick 5	ENG	
1-803-152	Curl Pattern Metallic/pearl:Thick 6	ENG	
1-803-153	Curl Pattern Metallic/pearl:Thick 7	ENG	
1-803-154	Curl Pattern Metallic/pearl:Thick 8	ENG	
1-803-155	Curl Pattern Metallic/pearl:Thick 9	ENG	
1-803-156	Curl Pattern Clear File	ENG	[0 or 1 / 0 / 1/step]
1-803-157	Curl Pattern Synthetic:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-158	Curl Pattern Synthetic:Thick 2	ENG	
1-803-159	Curl Pattern Synthetic:Thick 3	ENG	
1-803-160	Curl Pattern Synthetic:Thick 4	ENG	
1-803-161	Curl Pattern Synthetic:Thick 5	ENG	
1-803-162	Curl Pattern Synthetic:Thick 6	ENG	
1-803-163	Curl Pattern Synthetic:Thick 7	ENG	
1-803-164	Curl Pattern Synthetic:Thick 8	ENG	
1-803-165	Curl Pattern Synthetic:Thick 9	ENG	

1-803-166	Curl Pattern NCR:Thick 1	ENG	[0 or 1 / 0 / 1/step]
1-803-167	Curl Pattern NCR:Thick 2	ENG	
1-803-168	Curl Pattern NCR:Thick 3	ENG	
1-803-169	Curl Pattern NCR:Thick 4	ENG	
1-803-170	Curl Pattern NCR:Thick 5	ENG	
1-803-171	Curl Pattern NCR:Thick 6	ENG	
1-803-172	Curl Pattern NCR:Thick 7	ENG	
1-803-173	Curl Pattern NCR:Thick 8	ENG	
1-803-174	Curl Pattern NCR:Thick 9	ENG	
1-803-175	Curl Pattern Transparent Sheet	ENG	[0 or 1 / 0 / 1/step]
1-803-176	Curl Pattern Tracing paper	ENG	[0 or 1 / 0 / 1/step]

1804	[Htg R Temp St Bk]		
1-804-101	Plain:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]
1-804-102	Plain:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-804-103	Plain:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-804-104	Plain:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-105	Plain:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step]
1-804-106	Plain:Thick 6	ENG	*: 175 for M238, 170 for M205
1-804-107	Plain:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-804-108	Plain:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-804-109	Plain:Thick 9	ENG	*: 185 for M238, 180 for M205
1-804-110	Glossy:Thick 1	ENG	[100 to 200 / Def* / 1 deg/step] *: 145 for M238, 143 for M205
1-804-111	Glossy:Thick 2	ENG	[100 to 200 / Def* / 1 deg/step] *: 148 for M238, 145 for M205

1-804-112	Glossy:Thick 3	ENG	[100 to 200 / Def* / 1 deg/step] *: 152 for M238, 148 for M205
1-804-113	Glossy:Thick 4	ENG	[100 to 200 / Def* / 1 deg/step] *: 162 for M238, 157 for M205
1-804-114	Glossy:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step] *: 170 for M238, 165 for M205
1-804-115	Glossy:Thick 6	ENG	[100 to 200 / Def* / 1 deg/step] *: 175 for M238, 170 for M205
1-804-116	Glossy:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-804-117	Glossy:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step] *: 185 for M238, 180 for M205
1-804-118	Glossy:Thick 9	ENG	
1-804-119	Matte:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]
1-804-120	Matte:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-804-121	Matte:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-804-122	Matte:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-123	Matte:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step] *: 170 for M238, 165 for M205
1-804-124	Matte:Thick 6	ENG	[100 to 200 / Def* / 1 deg/step] *: 175 for M238, 170 for M205
1-804-125	Matte:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-804-126	Matte:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step] *: 185 for M238, 180 for M205
1-804-127	Matte:Thick 9	ENG	
1-804-132	Envelope:Thick 5	ENG	[100 to 200 / 180 / 1 deg/step]
1-804-133	Envelope:Thick 6	ENG	
1-804-134	Envelope:Thick 7	ENG	

1-804-137	Embossed:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-138	Embossed:Thick 2	ENG	
1-804-139	Embossed:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-804-140	Embossed:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]
1-804-141	Embossed:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-804-142	Embossed:Thick 6	ENG	
1-804-143	Embossed:Thick 7	ENG	
1-804-144	Embossed:Thick 8	ENG	
1-804-145	Embossed:Thick 9	ENG	
1-804-146	Magnet	ENG	[100 to 200 / 185 / 1 deg/step]
1-804-147	Metallic/pearl:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-148	Metallic/pearl:Thick 2	ENG	
1-804-149	Metallic/pearl:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-804-150	Metallic/pearl:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]
1-804-151	Metallic/pearl:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-804-152	Metallic/pearl:Thick 6	ENG	
1-804-153	Metallic/pearl:Thick 7	ENG	
1-804-154	Metallic/pearl:Thick 8	ENG	
1-804-155	Metallic/pearl:Thick 9	ENG	
1-804-156	Clear File	ENG	[100 to 200 / 180 / 1 deg/step]
1-804-157	Synthetic:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-158	Synthetic:Thick 2	ENG	
1-804-159	Synthetic:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-804-160	Synthetic:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]

1-804-161	Synthetic:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-804-162	Synthetic:Thick 6	ENG	
1-804-163	Synthetic:Thick 7	ENG	
1-804-164	Synthetic:Thick 8	ENG	
1-804-165	Synthetic:Thick 9	ENG	
1-804-166	NCR:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]
1-804-167	NCR:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-804-168	NCR:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-804-169	NCR:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-804-170	NCR:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step]
1-804-171	NCR:Thick 6	ENG	*: 175 for M238, 170 for M205
1-804-172	NCR:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-804-173	NCR:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-804-174	NCR:Thick 9	ENG	*: 185 for M238, 180 for M205
1-804-175	Transparent Sheet	ENG	[100 to 200 / 180 / 1 deg/step]
1-804-176	Tracing paper	ENG	[100 to 200 / 170 / 1 deg/step]

1805	[Press R Temp St Bk]		
1-805-101	Plain:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-102	Plain:Thick 2	ENG	
1-805-103	Plain:Thick 3	ENG	
1-805-104	Plain:Thick 4	ENG	
1-805-105	Plain:Thick 5	ENG	

1-805-106	Plain:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-805-107	Plain:Thick 7	ENG	
1-805-108	Plain:Thick 8	ENG	
1-805-109	Plain:Thick 9	ENG	
1-805-110	Glossy:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-111	Glossy:Thick 2	ENG	
1-805-112	Glossy:Thick 3	ENG	
1-805-113	Glossy:Thick 4	ENG	
1-805-114	Glossy:Thick 5	ENG	
1-805-115	Glossy:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-805-116	Glossy:Thick 7	ENG	
1-805-117	Glossy:Thick 8	ENG	
1-805-118	Glossy:Thick 9	ENG	
1-805-119	Matte:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-120	Matte:Thick 2	ENG	
1-805-121	Matte:Thick 3	ENG	
1-805-122	Matte:Thick 4	ENG	
1-805-123	Matte:Thick 5	ENG	
1-805-124	Matte:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-805-125	Matte:Thick 7	ENG	
1-805-126	Matte:Thick 8	ENG	
1-805-127	Matte:Thick 9	ENG	
1-805-132	Envelope:Thick 5	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-133	Envelope:Thick 6	ENG	
1-805-134	Envelope:Thick 7	ENG	

1-805-137	Embossed:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-138	Embossed:Thick 2	ENG	
1-805-139	Embossed:Thick 3	ENG	
1-805-140	Embossed:Thick 4	ENG	
1-805-141	Embossed:Thick 5	ENG	
1-805-142	Embossed:Thick 6	ENG	
1-805-143	Embossed:Thick 7	ENG	
1-805-144	Embossed:Thick 8	ENG	
1-805-145	Embossed:Thick 9	ENG	
1-805-146	Magnet	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-147	Metallic/pearl:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-148	Metallic/pearl:Thick 2	ENG	
1-805-149	Metallic/pearl:Thick 3	ENG	
1-805-150	Metallic/pearl:Thick 4	ENG	
1-805-151	Metallic/pearl:Thick 5	ENG	
1-805-152	Metallic/pearl:Thick 6	ENG	
1-805-153	Metallic/pearl:Thick 7	ENG	
1-805-154	Metallic/pearl:Thick 8	ENG	
1-805-155	Metallic/pearl:Thick 9	ENG	
1-805-156	Clear File	ENG	[20 to 200 / 90 / 1 deg/step]

1-805-157	Synthetic:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-158	Synthetic:Thick 2	ENG	
1-805-159	Synthetic:Thick 3	ENG	
1-805-160	Synthetic:Thick 4	ENG	
1-805-161	Synthetic:Thick 5	ENG	
1-805-162	Synthetic:Thick 6	ENG	
1-805-163	Synthetic:Thick 7	ENG	
1-805-164	Synthetic:Thick 8	ENG	
1-805-165	Synthetic:Thick 9	ENG	
1-805-166	NCR:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-167	NCR:Thick 2	ENG	
1-805-168	NCR:Thick 3	ENG	
1-805-169	NCR:Thick 4	ENG	
1-805-170	NCR:Thick 5	ENG	
1-805-171	NCR:Thick 6	ENG	
1-805-172	NCR:Thick 7	ENG	
1-805-173	NCR:Thick 8	ENG	
1-805-174	NCR:Thick 9	ENG	
1-805-175	Transparent Sheet	ENG	[20 to 200 / 90 / 1 deg/step]
1-805-176	Tracing paper	ENG	[20 to 200 / 90 / 1 deg/step]

Group 1000 (3/4)

SP1-808 to -983 (Feed)

3

1808	[Press Roller Cooling Pattern]		
	0: Off 1: On/Fix 2: On/Change		
1-808-101	Plain:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-102	Plain:Thick 2	ENG	
1-808-103	Plain:Thick 3	ENG	
1-808-104	Plain:Thick 4	ENG	
1-808-105	Plain:Thick 5	ENG	
1-808-106	Plain:Thick 6	ENG	
1-808-107	Plain:Thick 7	ENG	
1-808-108	Plain:Thick 8	ENG	
1-808-109	Plain:Thick 9	ENG	
1-808-110	Glossy:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-111	Glossy:Thick 2	ENG	
1-808-112	Glossy:Thick 3	ENG	
1-808-113	Glossy:Thick 4	ENG	
1-808-114	Glossy:Thick 5	ENG	
1-808-115	Glossy:Thick 6	ENG	
1-808-116	Glossy:Thick 7	ENG	
1-808-117	Glossy:Thick 8	ENG	
1-808-118	Glossy:Thick 9	ENG	

1-808-119	Matte:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-120	Matte:Thick 2	ENG	
1-808-121	Matte:Thick 3	ENG	
1-808-122	Matte:Thick 4	ENG	
1-808-123	Matte:Thick 5	ENG	
1-808-124	Matte:Thick 6	ENG	
1-808-125	Matte:Thick 7	ENG	
1-808-126	Matte:Thick 8	ENG	
1-808-127	Matte:Thick 9	ENG	
1-808-132	Envelope:Thick 5	ENG	[0 to 2 / 1 / 1/step]
1-808-133	Envelope:Thick 6	ENG	
1-808-134	Envelope:Thick 7	ENG	
1-808-137	Embossed:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-138	Embossed:Thick 2	ENG	
1-808-139	Embossed:Thick 3	ENG	
1-808-140	Embossed:Thick 4	ENG	
1-808-141	Embossed:Thick 5	ENG	
1-808-142	Embossed:Thick 6	ENG	
1-808-143	Embossed:Thick 7	ENG	
1-808-144	Embossed:Thick 8	ENG	
1-808-145	Embossed:Thick 9	ENG	
1-808-146	Magnet	ENG	[0 to 2 / 1 / 1/step]

1-808-147	Metallic/pearl:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-148	Metallic/pearl:Thick 2	ENG	
1-808-149	Metallic/pearl:Thick 3	ENG	
1-808-150	Metallic/pearl:Thick 4	ENG	
1-808-151	Metallic/pearl:Thick 5	ENG	
1-808-152	Metallic/pearl:Thick 6	ENG	
1-808-153	Metallic/pearl:Thick 7	ENG	
1-808-154	Metallic/pearl:Thick 8	ENG	
1-808-155	Metallic/pearl:Thick 9	ENG	
1-808-156	Clear File	ENG	[0 to 2 / 1 / 1/step]
1-808-157	Synthetic:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-158	Synthetic:Thick 2	ENG	
1-808-159	Synthetic:Thick 3	ENG	
1-808-160	Synthetic:Thick 4	ENG	
1-808-161	Synthetic:Thick 5	ENG	
1-808-162	Synthetic:Thick 6	ENG	
1-808-163	Synthetic:Thick 7	ENG	
1-808-164	Synthetic:Thick 8	ENG	
1-808-165	Synthetic:Thick 9	ENG	

1-808-166	NCR:Thick 1	ENG	[0 to 2 / 1 / 1/step]
1-808-167	NCR:Thick 2	ENG	
1-808-168	NCR:Thick 3	ENG	
1-808-169	NCR:Thick 4	ENG	
1-808-170	NCR:Thick 5	ENG	
1-808-171	NCR:Thick 6	ENG	
1-808-172	NCR:Thick 7	ENG	
1-808-173	NCR:Thick 8	ENG	
1-808-174	NCR:Thick 9	ENG	
1-808-175	Transparent Sheet	ENG	[0 to 2 / 1 / 1/step]
1-808-176	Tracing paper	ENG	[0 to 2 / 1 / 1/step]

1902	[Cleaning Web Setting]		
1-902-001	Web Consumption	ENG	[0 to 107 / 0 / 1%/step]
	Displays current Web Consumption (Does not use for this machine.)		
1-902-002	Fusing Web Motor Operation Time	ENG	[3.6 to 130.0 / Def* / 0.1 sec/step] *: 15.1 for M238, 12.1 for M205
	Feed Speed: Sets Web Rotation Interval at Standard Speed.		
1-902-003	Web Motor Rotation Time	ENG	[0.3 to 3.5 / 2.8 / 0.1 sec/step]
	Sets Web Standard Rotation Time per time.		
1-902-004	Web Near End Setting	ENG	[50 to 100 / 81 / 1%/step]
	Stores the status of Web Near End.		
1-902-005	Web End Recording	ENG	[0 or 1 / 0 / 1/step]
	Stores the status of Web End.		
1-902-006	Web Near End/End Clear	ENG	[0 or 1 / 0 / 1/step]
	Clears Web Near/End.		

1-902-007	Correction Coeff	ENG	[0.00 to 2.00 / 1.07 / 0.01/step]
	Sets Correction Coefficient alpha for Web Consumption calculation.		
1-902-008	Takeup Rotations After Jam	ENG	[0 to 30 / 10 / 1/step]
	Sets time for Web Cleaning executed when reloading after Jam.		
1-902-009	Web Denominator	ENG	[0 to 100000 / 1180 / 0.1/step]
	Sets denominator for Web Consumption calculation.		
1-902-010	Sequence for Each Reload	ENG	[0.0 to 30.0 / 3.5 / 0.1 sec/step]
	Sets time for Web Cleaning executed when reloading.		
1-902-011	Rotations After Cold Start	ENG	[0 to 30 / 10 / 1/step]
	Sets Web Takeup Rotation Time After Cold Start.		
1-902-012	Fixed Rotation Time 1	ENG	[40 to 60 / 48 / 1%/step]
	Sets Judgment Threshold1 which makes the Web Takeup Rotation Time fixed value.		
1-902-013	Fixed Rotation Time 2	ENG	[61 to 120 / 62 / 1%/step]
	Sets Judgment Threshold2 which makes the Web Takeup Rotation Time fixed value.		
1-902-014	Fusing Web Motor Operation Time:L Speed	ENG	[3.6 to 130.0 / 25.1 / 0.1 sec/step]
	Feed Speed: Sets Web Takeup Rotation Intervals at low speed.		
1-902-018	Fixed Operation Time	ENG	[0 to 25.5 / 0.9 / 0.1 sec/step]
	Takeup Rotation times After Web Replacement		
1-902-019	Takeup Rotation Time After Replacement	ENG	[5 to 70 / 10 / 1/step]
	Sets Initial Takeup Rotation time brand-new Web Replacement.		
1-902-020	Web Counter Clear Recording	ENG	[0 or 1 / 0 / 1/step]
	Stores flags when Web Counter is cleared.		
1-902-021	Web End Rotation time	ENG	[0 to 100 / 40 / 1/step]
	Sets Web End Rotation time.		

1-902-030	Position:Warm up	ENG	[1 to 5 / 3 / 1/step]
	1: Position 1 2: Position 2 3: Position 3 4: Position 4 5: Position 5		
1-902-031	Position:Refresh	ENG	[1 to 5 / 2 / 1/step]
	1: Position 1 2: Position 2 3: Position 3 4: Position 4 5: Position 5		
1-902-101	Web pressure delay time	ENG	[0 to 5000 / 500 / 1 msec/step]
	Sets delay time from starting pressure to Web Pressure.		
1-902-103	T-up rotation at pressure	ENG	[0 to 30 / 0 / 1/step]
	Sets Take up rotation time at pressure.		
1-902-104	T-up rotation at depressure	ENG	[0 to 30 / 0 / 1/step]
	Sets Take up rotation time at depressure.		
1-902-151	Correction time2	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets correction time for Pressure time2.		
1-902-152	Correction time3	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets correction time for Pressure time3.		
1-902-153	Correction time4	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets correction time for Pressure time4.		
1-902-154	Correction time5	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets correction time for Pressure time5.		

1-902-161	Pressure time1	ENG	[0 to 5000 / 2550 / 1 msec/step]
	Sets the position for Web Pressure Position 1.		
1-902-162	Pressure time2	ENG	[0 to 5000 / 2550 / 1 msec/step]
	Sets the position for Web Pressure Position2.		
1-902-163	Pressure time3	ENG	[0 to 5000 / 2550 / 1 msec/step]
	Sets the position for Web Pressure Position3.		
1-902-164	Pressure time4	ENG	[0 to 5000 / 2550 / 1 msec/step]
	Sets the position for Web Pressure Position4.		
1-902-165	Pressure time5	ENG	[0 to 5000 / 0 / 1 msec/step]
	Sets the position for Web Pressure Position5.		
1-902-166	Depressure time	ENG	[0 to 5000 / 10 / 1 msec/step]
	Sets the position for Web Depressure Position.		
1-902-167	Refresh Fusing Web Motor Operation Time	ENG	[3.6 to 540 / 15.1 / 0.1 sec/step]
1-902-168	Refresh Depressure Time	ENG	[0 to 5000 / 1600 / 1 msec/step]
1-902-169	Refresh T-up rotation at depressure	ENG	[0 to 30 / 1 / 1/step]
1-902-170	Refresh Press Judge	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
1-902-180	Depressure Time	ENG	[0 to 5000 / 3500 / 1 msec/step]

1903	[Web Drive Time]		
1-903-001	Web Total Page Counter	ENG	[0 to 999999999 / 0 / 1 sec/step]
	Displays the current Web Total Page Counter.		
1-903-002	Web: Total Motor Rotation Time	ENG	[0 to 25.5 / 2.8 / 0.1 sec/step]
	Displays the current Web Motor Rotation Time.		

1-903-003	Operation Interval Count	ENG	[0 to 130 / 0 / 0.1 sec/step]
	Stores the current count value of Web Takeup Rotation Interval.		
1-903-004	Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1 cycle/step]
	Displays Web Total Rotation Times.		

1905	[Cleaning Web Setting]		
	-		
1-905-101 to 109	Position:Plain:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-110 to 118	Position:Glossy:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-119 to 127	Position:Matte:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-132 to 134	Position:Envelope:Thick 5 to Thick 7	ENG	[1 to 5 / 4 / 1/step]
1-905-137 to 145	Position:Embossed:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-146	Position:Magnet	ENG	[1 to 5 / 4 / 1/step]
1-905-147 to 155	Position:Metallic/pearl:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-156	Position:Clear File	ENG	[1 to 5 / 4 / 1/step]
1-905-157 to 165	Position:Synthetic:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-166 to 174	Position:NCR:Thick 1 to Thick 9	ENG	[1 to 5 / 4 / 1/step]
1-905-175	Position:Transparent Sheet	ENG	[1 to 5 / 4 / 1/step]
1-905-176	Position:Tracing paper	ENG	[1 to 5 / 4 / 1/step]

1907	[Fuser Motor Rotation]		
1-907-001	Fusing Motor Rotation Control	ENG	[324 to 1678 / Def* / 0.1 rps/step] *: 1382 for M238, 1103 for M205
1-907-002	Fusing Motor Rotation Control:L Speed	ENG	[324 to 1678 / 839 / 0.1 rps/step]

1909	[Force Send to Purge Tray]		
1-909-001	Purge 1 (0: Off, 1: On)	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
Switches 0: OFF / 1: ON for Force Send to Purge Tray when jam occurs. Control for transporting invalid paper to the react position which avoids the boundary line of the unit and the main unit transportation route in order to prevent paragraphs from dividing into two parts over two pages			

1910	[Cis Mode Setting]		
1-910-001	Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Short Time 1: Long Time
1-910-002	Tray2		
1-910-003	LCT1: Tray3		
1-910-004	LCT1: Tray4		
1-910-005	LCT2: Tray5		
1-910-006	LCT2: Tray6		
1-910-007	LCT3: Tray7		
1-910-008	LCT3: Tray8		
1-910-009	By-Pass Tray		

1911	[Front-Back Magnify Control]		
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1-911-001	Tray1	ENG	[0 or 1 / 1 / 1/step] 0:OFF, 1:ON
1-911-002	Tray2		
1-911-003	LCT1: Tray3		
1-911-004	LCT1: Tray4		
1-911-005	LCT2: Tray5		
1-911-006	LCT2: Tray6		
1-911-007	LCT3: Tray7		
1-911-008	LCT3: Tray8		
1-911-009	By-Pass Tray		

1912	[CIS LED Power Adjustment]		
1-912-001	Execute:Front	ENG	[Excute]
1-912-002	Execute:Rear	ENG	[Excute]

1913	[CIS LED Adj. Result Displ]		
1-913-001	LED ON Time:Front	ENG	[0 to 1.70 / 0 / 0.05 ms/step]
1-913-002	LED ON Time:Rear	ENG	[0 to 1.70 / 0 / 0.05 ms/step]

1914	[CIS P Pass Pixel Display]		
	<p>Displays the CIS readings in the paper feed tray.</p> <p>Leading edge: 1st reading</p> <p>Shift leading edge: 2nd reading</p> <p>Shift trailing edge: 3rd reading</p> <p>1: 2 sheets before last sheet</p> <p>2: 1 sheet before last sheet</p> <p>3: Last sheet</p>		

1-914-001	Tray1:LEdge 1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-002	Tray1:LEdge2		
1-914-003	Tray1:LEdge3		
1-914-004	Tray1:LShift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-005	Tray1:LShift2		
1-914-006	Tray1:LShift3		
1-914-007	Tray1:TShift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-008	Tray1:TShift2		
1-914-009	Tray1:TShift3		
1-914-010	Tray2:LEdge 1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-011	Tray2:LEdge2		
1-914-012	Tray2:LEdge3		
1-914-013	Tray2:LShift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-014	Tray2:LShift2		
1-914-015	Tray2:LShift3		
1-914-016	Tray2:TShift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-017	Tray2:TShift2		
1-914-018	Tray2:TShift3		
1-914-019	LCT1: Tray3 LEdge 1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-020	LCT1: Tray3 LEdge2		
1-914-021	LCT1: Tray3 LEdge3		
1-914-022	LCT1: Tray3 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-023	LCT1: Tray3 LE Shift2		
1-914-024	LCT1: Tray3 LE Shift3		

1-914-025	LCT1: Tray3 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-026	LCT1: Tray3 TE Shift2		
1-914-027	LCT1: Tray3 TE Shift3		
1-914-028	LCT1: Tray4 LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-029	LCT1: Tray4 LEdge2		
1-914-030	LCT1: Tray4 LEdge3		
1-914-031	LCT1: Tray4 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-032	LCT1: Tray4 LE Shift2		
1-914-033	LCT1: Tray4 LE Shift3		
1-914-034	LCT1: Tray4 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-035	LCT1: Tray4 TE Shift2		
1-914-036	LCT1: Tray4 TE Shift3		
1-914-037	LCT2: Tray5 LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-038	LCT2: Tray5 LEdge2		
1-914-039	LCT2: Tray5 LEdge3		
1-914-040	LCT2: Tray5 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-041	LCT2: Tray5 LE Shift2		
1-914-042	LCT2: Tray5 LE Shift3		
1-914-043	LCT2: Tray5 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-044	LCT2: Tray5 TE Shift2		
1-914-045	LCT2: Tray5 TE Shift3		
1-914-046	LCT2: Tray6 LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-047	LCT2: Tray6 LEdge2		
1-914-048	LCT2: Tray6 LEdge3		

1-914-049	LCT2: Tray6 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-050	LCT2: Tray6 LE Shift2		
1-914-051	LCT2: Tray6 LE Shift3		
1-914-052	LCT2: Tray6 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-053	LCT2: Tray6 TE Shift2		
1-914-054	LCT2: Tray6 TE Shift3		
1914	[CIS Pass Pixel Display]		
1-914-055	LCT3: Tray7 LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-056	LCT3: Tray7 LEdge2		
1-914-057	LCT3: Tray7 LEdge3		
1-914-058	LCT3: Tray7 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-059	LCT3: Tray7 LE Shift2		
1-914-060	LCT3: Tray7 LE Shift3		
1-914-061	LCT3: Tray7 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-062	LCT3: Tray7 TE Shift2		
1-914-063	LCT3: Tray7 TE Shift3		
1-914-064	LCT3: Tray8 LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-065	LCT3: Tray8 LEdge2		
1-914-066	LCT3: Tray8 LEdge3		
1-914-067	LCT3: Tray8 LE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-068	LCT3: Tray8 LE Shift2		
1-914-069	LCT3: Tray8 LE Shift3		
1-914-070	LCT3: Tray8 TE Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-071	LCT3: Tray8 TE Shift2		
1-914-072	LCT3: Tray8 TE Shift3		

1-914-073	By-Pass Tray LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-074	By-Pass Tray LEdge2		
1-914-075	By-Pass Tray LEdge3		
1-914-076	By-Pass Tray LE_Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-077	By-Pass Tray LE_Shift2		
1-914-078	By-Pass Tray LE_Shift3		
1-914-079	By-Pass Tray TE_Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-080	By-Pass Tray TE_Shift2		
1-914-081	By-Pass Tray TE_Shift3		
1-914-082	Back:LEdge1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-083	Back:LEdge2		
1-914-084	Back:LEdge3		
1-914-085	Back:LE_Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-086	Back:LE_Shift2		
1-914-087	Back:LE_Shift3		
1-914-088	Back:TE_Shift1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-914-089	Back:TE_Shift2		
1-914-090	Back:TE_Shift3		

1915	[CIS Pass Standard Pixel Disp]		
1-915-001	Tray1-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-002	Tray1-2		
1-915-003	Tray1-3		
1-915-004	Tray2-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-005	Tray2-2		
1-915-006	Tray2-3		

1-915-007	LCT1: Tray3-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-008	LCT1: Tray3-2		
1-915-009	LCT1: Tray3-3		
1-915-010	LCT1: Tray4-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-011	LCT1: Tray4-2		
1-915-012	LCT1: Tray4-3		
1-915-013	LCT2: Tray5-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-014	LCT2: Tray5-2		
1-915-015	LCT2: Tray5-3		
1-915-016	LCT2: Tray6-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-017	LCT2: Tray6-2		
1-915-018	LCT2: Tray6-3		
1-915-019	LCT3: Tray7-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-020	LCT3: Tray7-2		
1-915-021	LCT3: Tray7-3		
1-915-022	LCT3: Tray8-1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-023	LCT3: Tray8-2		
1-915-024	LCT3: Tray8-3		
1-915-025	By-Pass Tray_1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-026	By-Pass Tray_2		
1-915-027	By-Pass Tray_3		
1-915-028	Back_1	ENG	[0 to 2854 / 0 / 1 dot/step]
1-915-029	Back_2		
1-915-030	Back_3		

1916	[CIS LED Power Magnification]
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1-916-001	Variable Magnification mode1	ENG	[1 to 25 / 2 / 0.1/step]
1-916-002	Variable Magnification mode2	ENG	[1 to 25 / 4 / 0.1/step]
1-916-003	Variable Magnification mode3	ENG	[1 to 25 / 8 / 0.1/step]

1917	[Side-to-Side Reg Disable]		
1-917-001	Tray1	ENG	[0 or 1 / 0 / 1/step] 0: On (S-to-S Registration disabled) 1: Off (S-to-S Registration enabled)
1-917-002	Tray2		
1-917-003	LCT1: Tray3		
1-917-004	LCT1: Tray4		
1-917-005	LCT2: Tray5		
1-917-006	LCT2: Tray6		
1-917-007	LCT3: Tray7		
1-917-008	LCT3: Tray8		
1-917-009	By-Pass Tray		

1918	[Paper Cool Belt Centering Ctl]		
1-918-001	Centering Roller Adjustment	ENG	[0.5 to 4.0 / 1.5 / 0.5 mm/step]

1919	[Ppr Cool Blt Cntr: Disable Set]		
1-919-001	Control Off (0: Off, 1: On)	ENG	[0 or 1 / 0 / 1/step] 0: Off (Belt centering operation enabled) 1: On (Belt centering operation disabled)

1924	[Float Fan Setting]		
	Adjusts air volume for Float Fans.		

1-924-001	Tray1	ENG	[0 to 10 / 0 / 1/step] 0: Auto selection, 1: OFF (0%), 2: 20%, 3: 30%, 4: 40%, 5: 50%, 6: 60%, 7: 70%, 8: 80%, 9: 90%, 10: 100%
1-924-002	Tray2		
1-924-003	Twin LCT1 Tray1		
1-924-004	Twin LCT1 Tray2		
1-924-005	Twin LCT2 Tray1		
1-924-006	Twin LCT2 Tray2		
1-924-007	Twin LCT3 Tray1		
1-924-008	Twin LCT3 Tray2		

1925	[Separate Fan Setting]		
1-925-001	Tray1	ENG	[0 to 10 / 0 / 1/step] 0: Auto selection, 1: OFF (0%), 2: 20%, 3: 30%, 4: 40%, 5: 50%, 6: 60%, 7: 70%, 8: 80%, 9: 90%, 10: 100%
1-925-002	Tray2		
1-925-003	Twin LCT1 Tray1		
1-925-004	Twin LCT1 Tray2		
1-925-005	Twin LCT2 Tray1		
1-925-006	Twin LCT2 Tray2		
1-925-007	Twin LCT3 Tray1		
1-925-008	Twin LCT3 Tray2		

1926	[Side Fan Setting]		

1-926-001	Tray1	ENG	[0 to 10 / 0 / 1/step] 0: Auto selection, 1: OFF (0%), 2: 20%, 3: 30%, 4: 40%, 5: 50%, 6: 60%, 7: 70%, 8: 80%, 9: 90%, 10: 100%
1-926-002	Tray2		
1-926-003	Twin LCT1 Tray1		
1-926-004	Twin LCT1 Tray2		
1-926-005	Twin LCT2 Tray1		
1-926-006	Twin LCT2 Tray2		
1-926-007	Twin LCT3 Tray1		
1-926-008	Twin LCT3 Tray2		

1927	[Suction Fan Setting]		
1-927-001	Tray1	ENG	[0 to 10 / 0 / 1/step] 0: Auto selection, 1: OFF (0%), 2: 20%, 3: 30%, 4: 40%, 5: 50%, 6: 60%, 7: 70%, 8: 80%, 9: 90%, 10: 100%
1-927-002	Tray2		
1-927-003	Twin LCT1 Tray1		
1-927-004	Twin LCT1 Tray2		
1-927-005	Twin LCT2 Tray1		
1-927-006	Twin LCT2 Tray2		
1-927-007	Twin LCT3 Tray1		
1-927-008	Twin LCT3 Tray2		

1928	[Float Fan Shutter Setting]		

1-928-001	Tray1	ENG	[0 to 2 / 0 / 1/step] 0: Auto Select, 1: OFF, 2: ON
1-928-002	Tray2		
1-928-003	Twin LCT1 Tray1		
1-928-004	Twin LCT1 Tray2		
1-928-005	Twin LCT2 Tray1		
1-928-006	Twin LCT2 Tray2		
1-928-007	Twin LCT3 Tray1		
1-928-008	Twin LCT3 Tray2		

1929	[Side Fan Shutter Setting]		
1-929-001	Tray1	ENG	[0 to 2 / 0 / 1/step] 0: Auto Select, 1: OFF, 2: ON
1-929-002	Tray2		
1-929-003	Twin LCT1 Tray1		
1-929-004	Twin LCT1 Tray2		
1-929-005	Twin LCT2 Tray1		
1-929-006	Twin LCT2 Tray2		
1-929-007	Twin LCT3 Tray1		
1-929-008	Twin LCT3 Tray2		

1930	[Paper Stack Height Setting]		

1-930-001	Tray1	ENG	[0 to 2 / 0 / 1/step] 0: Auto Select, 1: High, 2: Low
1-930-002	Tray2		
1-930-003	Twin LCT1 Tray1		
1-930-004	Twin LCT1 Tray2		
1-930-005	Twin LCT2 Tray1		
1-930-006	Twin LCT2 Tray2		
1-930-007	Twin LCT3 Tray1		
1-930-008	Twin LCT3 Tray2		

1940	[De-curler Setting: Simplex]		
1-940-001	Tray1	ENG	[0 to 6 / 0 / 1/step] 0: Default 1: Back Curl (Small) 2: Back Curl (Medium) 3: Back Curl (Large) 4: Face Curl (Small) 5: Face Curl (Medium) 6: Face Curl (Large)
1-940-002	Tray2		
1-940-003	LCT1: Tray3		
1-940-004	LCT1: Tray4		
1-940-005	LCT2: Tray5		
1-940-006	LCT2: Tray6		
1-940-007	LCT3: Tray7		
1-940-008	LCT3: Tray8		
1-940-009	By-Pass Tray		

1941	[De-curler Setting: Duplex]		

1-941-001	Tray1	ENG	[0 to 6 / 0 / 1/step] 0: Default 1: Back Curl (Small) 2: Back Curl (Medium) 3: Back Curl (Large) 4: Face Curl (Small) 5: Face Curl (Medium) 6: Face Curl (Large)
1-941-002	Tray2		
1-941-003	LCT1: Tray3		
1-941-004	LCT1: Tray4		
1-941-005	LCT2: Tray5		
1-941-006	LCT2: Tray6		
1-941-007	LCT3: Tray7		
1-941-008	LCT3: Tray8		
1-941-009	By-Pass Tray		

1942	[Decurl1 Default Setting]		
1-942-001	-	ENG	[-0.3 to 0.5 / 0.1 / 0.1 mm/step]

1943	[Decurl2 Default Setting]		
1-943-001	-	ENG	[-0.3 to 0.5 / 0 / 0.1 mm/step]

1944	[Fan Drive Setting: Standby]		
Sets Fan Cooling Time on standby state after printing.			
1-944-001	Charge Entrance Fan	ENG	[0 to 1440 / 1 / 1 min/step]
1-944-002	Ozone Exhaust Fan	ENG	

1980	[Curl Correction]		
1-980-101 to 109	Temp Correction 1: Plain: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-110 to 118	Temp Correction 1: Glossy: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]

1-980-119 to 127	Temp Correction 1: Matte: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-132 to 134	Temp Correction 1: Envelope: Thick 5 to Thick 7	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-137 to 145	Temp Correction 1: Embossed: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-146	Temp Correction 1: Magnet	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-147 to 155	Temp Correction 1: Metallic/ pearl: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-156	Temp Correction 1: Clear File	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-157 to 165	Temp Correction 1: Synthetic: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-166 to 174	Temp Correction 1: NCR: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-175	Temp Correction 1: Transparent Sheet	ENG	[0 to 60 / 0 / 1 deg/step]
1-980-176	Temp Correction 1: Tracing paper	ENG	[0 to 60 / 0 / 1 deg/step]

1981	[Curl Correction]		
1-981-101 to 109	CPM down rate 1: Plain: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-110 to 118	TCPM down rate 1: Glossy: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-119 to 127	CPM down rate 1: Matte: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-132 to 134	CPM down rate 1: Envelope: Thick 5 to Thick 7	ENG	[10 to 100 / 70 / 5 %/step]

1-981-137 to 145	CPM down rate1: Embossed:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-146	TCPM down rate1:Magnet	ENG	[10 to 100 / 70 / 5 %/step]
1-981-147 to 155	CPM down rate1: Metallic/ pearl:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-156	CPM down rate1:Clear File	ENG	[10 to 100 / 70 / 5 %/step]
1-981-157 to 165	CPM down rate1: Synthetic:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-166 to 174	CPM down rate1: NCR:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-981-175	CPM down rate1: Transparent Sheet	ENG	[10 to 100 / 70 / 5 %/step]
1-981-176	CPM down rate1:Tracing paper	ENG	[10 to 100 / 70 / 5 %/step]

1982	[Curl Correction]		
1-982-101 to 109	Temp Correction2:Plain: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-110 to 118	Temp Correction2:Glossy: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-119 to 127	Temp Correction2:Matte: Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-132 to 134	Temp Correction2: Envelope:Thick 5 to Thick 7	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-137 to 145	Temp Correction2: Embossed:Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-146	Temp Correction2:Magnet	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-147 to 155	Temp Correction2: Metallic/ pearl:Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]

1-982-156	Temp Correction2:Clear File	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-157 to 165	Temp Correction2: Synthetic:Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-166 to 174	Temp Correction2: NCR:Thick 1 to Thick 9	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-175	Temp Correction2: Transparent Sheet	ENG	[0 to 60 / 0 / 1 deg/step]
1-982-176	Temp Correction2:Tracing paper	ENG	[0 to 60 / 0 / 1 deg/step]

1983	[Curl Correction]		
1-983-101 to 109	CPM down rate2:Plain: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-110 to 118	TCPM down rate2:Glossy: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-119 9 to 127	CPM down rate2:Matte: Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-132 to 134	CPM down rate2: Envelope:Thick 5 to Thick 7	ENG	[10 to 100 / 70 / 5 %/step]
1-983-137 to 145	CPM down rate2: Embossed:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-146	TCPM down rate1:Magnet	ENG	[10 to 100 / 70 / 5 %/step]
1-983-147 to 155	CPM down rate1: Metallic/ pearl:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-156	CPM down rate1:Clear File	ENG	[10 to 100 / 70 / 5 %/step]
1-983-157 to 165	CPM down rate1: Synthetic:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]
1-983-166 to 174	CPM down rate1: NCR:Thick 1 to Thick 9	ENG	[10 to 100 / 70 / 5 %/step]

1-983-175	CPM down rate 1: Transparent Sheet	ENG	[10 to 100 / 70 / 5 %/step]
1-983-176	CPM down rate 1: Tracing paper	ENG	[10 to 100 / 70 / 5 %/step]

Group 1000 (4/4)

SP1-984 to -998 (Feed)

1984	[Htg R Temp St Fc]		
	Sets the target temperature of the heating roller for each paper type and thickness (at full-color mode).		
1-984-101	Plain:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]
1-984-102	Plain:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-984-103	Plain:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-984-104	Plain:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-105	Plain:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-106	Plain:Thick 6	ENG	*: 175 for M238, 170 for M205
1-984-107	Plain:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-984-108	Plain:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-109	Plain:Thick 9	ENG	*: 185 for M238, 180 for M205
1-984-110	Glossy:Thick 1	ENG	[100 to 200 / Def* / 1 deg/step] *: 145 for M238, 143 for M205
1-984-111	Glossy:Thick 2	ENG	[100 to 200 / Def* / 1 deg/step] *: 148 for M238, 145 for M205
1-984-112	Glossy:Thick 3	ENG	[100 to 200 / Def* / 1 deg/step] *: 152 for M238, 148 for M205
1-984-113	Glossy:Thick 4	ENG	[100 to 200 / Def* / 1 deg/step] *: 162 for M238, 157 for M205
1-984-114	Glossy:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step] *: 170 for M238, 165 for M205

1-984-115	Glossy:Thick 6	ENG	[100 to 200 / Def* / 1 deg/step] *: 175 for M238, 170 for M205
1-984-116	Glossy:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-984-117	Glossy:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-118	Glossy:Thick 9	ENG	*: 185 for M238, 180 for M205
1-984-119	Matte:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]
1-984-120	Matte:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-984-121	Matte:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-984-122	Matte:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-123	Matte:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step] *: 170 for M238, 165 for M205
1-984-124	Matte:Thick 6	ENG	[100 to 200 / Def* / 1 deg/step] *: 175 for M238, 170 for M205
1-984-125	Matte:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-984-126	Matte:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-127	Matte:Thick 9	ENG	*: 185 for M238, 180 for M205
1-984-132	Envelope:Thick 5	ENG	
1-984-133	Envelope:Thick 6	ENG	[100 to 200 / 180 / 1 deg/step]
1-984-134	Envelope:Thick 7	ENG	
1-984-137	Embossed:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-138	Embossed:Thick 2	ENG	
1-984-139	Embossed:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-984-140	Embossed:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]

1-984-141	Embossed:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-984-142	Embossed:Thick 6	ENG	
1-984-143	Embossed:Thick 7	ENG	
1-984-144	Embossed:Thick 8	ENG	
1-984-145	Embossed:Thick 9	ENG	
1-984-146	Magnet	ENG	[100 to 200 / 185 / 1 deg/step]
1-984-147	Metallic/pearl:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-148	Metallic/pearl:Thick 2	ENG	
1-984-149	Metallic/pearl:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-984-150	Metallic/pearl:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]
1-984-151	Metallic/pearl:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-984-152	Metallic/pearl:Thick 6	ENG	
1-984-153	Metallic/pearl:Thick 7	ENG	
1-984-154	Metallic/pearl:Thick 8	ENG	
1-984-155	Metallic/pearl:Thick 9	ENG	
1-984-156	Clear File	ENG	[100 to 200 / 180 / 1 deg/step]
1-984-157	Synthetic:Thick 1	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-158	Synthetic:Thick 2	ENG	
1-984-159	Synthetic:Thick 3	ENG	[100 to 200 / 170 / 1 deg/step]
1-984-160	Synthetic:Thick 4	ENG	[100 to 200 / 180 / 1 deg/step]
1-984-161	Synthetic:Thick 5	ENG	[100 to 200 / 185 / 1 deg/step]
1-984-162	Synthetic:Thick 6	ENG	
1-984-163	Synthetic:Thick 7	ENG	
1-984-164	Synthetic:Thick 8	ENG	
1-984-165	Synthetic:Thick 9	ENG	
1-984-166	NCR:Thick 1	ENG	[100 to 200 / 145 / 1 deg/step]

1-984-167	NCR:Thick 2	ENG	[100 to 200 / 154 / 1 deg/step]
1-984-168	NCR:Thick 3	ENG	[100 to 200 / 162 / 1 deg/step]
1-984-169	NCR:Thick 4	ENG	[100 to 200 / 165 / 1 deg/step]
1-984-170	NCR:Thick 5	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-171	NCR:Thick 6	ENG	*: 175 for M238, 170 for M205
1-984-172	NCR:Thick 7	ENG	[100 to 200 / Def* / 1 deg/step] *: 180 for M238, 175 for M205
1-984-173	NCR:Thick 8	ENG	[100 to 200 / Def* / 1 deg/step]
1-984-174	NCR:Thick 9	ENG	*: 185 for M238, 180 for M205
1-984-175	Transparent Sheet	ENG	[100 to 200 / 180 / 1 deg/step]
1-984-176	Tracing paper	ENG	[100 to 200 / 170 / 1 deg/step]

1985	[Press R Temp St Fc]		
	Sets the target temperature of the pressure roller for each paper type and thickness (at full-color mode).		
1-985-101	Plain:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-102	Plain:Thick 2	ENG	
1-985-103	Plain:Thick 3	ENG	
1-985-104	Plain:Thick 4	ENG	
1-985-105	Plain:Thick 5	ENG	
1-985-106	Plain:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-985-107	Plain:Thick 7	ENG	
1-985-108	Plain:Thick 8	ENG	
1-985-109	Plain:Thick 9	ENG	

1-985-110	Glossy:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-111	Glossy:Thick 2	ENG	
1-985-112	Glossy:Thick 3	ENG	
1-985-113	Glossy:Thick 4	ENG	
1-985-114	Glossy:Thick 5	ENG	
1-985-115	Glossy:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-985-116	Glossy:Thick 7	ENG	
1-985-117	Glossy:Thick 8	ENG	
1-985-118	Glossy:Thick 9	ENG	
1-985-119	Matte:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-120	Matte:Thick 2	ENG	
1-985-121	Matte:Thick 3	ENG	
1-985-122	Matte:Thick 4	ENG	
1-985-123	Matte:Thick 5	ENG	
1-985-124	Matte:Thick 6	ENG	[20 to 200 / 45 / 1 deg/step]
1-985-125	Matte:Thick 7	ENG	
1-985-126	Matte:Thick 8	ENG	
1-985-127	Matte:Thick 9	ENG	
1-985-132	Envelope:Thick 5	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-133	Envelope:Thick 6	ENG	
1-985-134	Envelope:Thick 7	ENG	

1-985-137	Embossed:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-138	Embossed:Thick 2	ENG	
1-985-139	Embossed:Thick 3	ENG	
1-985-140	Embossed:Thick 4	ENG	
1-985-141	Embossed:Thick 5	ENG	
1-985-142	Embossed:Thick 6	ENG	
1-985-143	Embossed:Thick 7	ENG	
1-985-144	Embossed:Thick 8	ENG	
1-985-145	Embossed:Thick 9	ENG	
1-985-146	Magnet	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-147	Metallic/pearl:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-148	Metallic/pearl:Thick 2	ENG	
1-985-149	Metallic/pearl:Thick 3	ENG	
1-985-150	Metallic/pearl:Thick 4	ENG	
1-985-151	Metallic/pearl:Thick 5	ENG	
1-985-152	Metallic/pearl:Thick 6	ENG	
1-985-153	Metallic/pearl:Thick 7	ENG	
1-985-154	Metallic/pearl:Thick 8	ENG	
1-985-155	Metallic/pearl:Thick 9	ENG	
1-985-156	Clear File	ENG	[20 to 200 / 90 / 1 deg/step]

1-985-157	Synthetic:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-158	Synthetic:Thick 2	ENG	
1-985-159	Synthetic:Thick 3	ENG	
1-985-160	Synthetic:Thick 4	ENG	
1-985-161	Synthetic:Thick 5	ENG	
1-985-162	Synthetic:Thick 6	ENG	
1-985-163	Synthetic:Thick 7	ENG	
1-985-164	Synthetic:Thick 8	ENG	
1-985-165	Synthetic:Thick 9	ENG	
1-985-166	NCR:Thick 1	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-167	NCR:Thick 2	ENG	
1-985-168	NCR:Thick 3	ENG	
1-985-169	NCR:Thick 4	ENG	
1-985-170	NCR:Thick 5	ENG	
1-985-171	NCR:Thick 6	ENG	
1-985-172	NCR:Thick 7	ENG	
1-985-173	NCR:Thick 8	ENG	
1-985-174	NCR:Thick 9	ENG	
1-985-175	Transparent Sheet	ENG	[20 to 200 / 90 / 1 deg/step]
1-985-176	Tracing paper	ENG	[20 to 200 / 90 / 1 deg/step]

1986	[Process Speed] 0: Target Speed 1: Down Speed		
1-986-101 to 109	Plain:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]

1-986-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-119 to 127	Matte:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[0 or 1 / 0 / 1/step]
1-986-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-146	Magnet	ENG	[0 or 1 / 0 / 1/step]
1-986-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-156	Clear File	ENG	[0 or 1 / 0 / 1/step]
1-986-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-166 to 174	NCR:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-986-175	Transparent Sheet	ENG	[0 or 1 / 0 / 1/step]
1-986-176	Tracing paper	ENG	[0 or 1 / 0 / 1/step]

1987	[Fusing Mtr Rotation Correct]		
1-987-101	Plain:Thick 1	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-102	Plain:Thick 2	ENG	
1-987-103	Plain:Thick 3	ENG	
1-987-104	Plain:Thick 4	ENG	[-10 to 10 / -0.1 / 0.1%/step]
1-987-105	Plain:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-106	Plain:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-107	Plain:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-108	Plain:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-109	Plain:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]

1-987-110	Glossy:Thick 1	ENG	
1-987-111	Glossy:Thick 2	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-112	Glossy:Thick 3	ENG	
1-987-113	Glossy:Thick 4	ENG	
1-987-114	Glossy:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-115	Glossy:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-116	Glossy:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-117	Glossy:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-118	Glossy:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-119	Matte:Thick 1	ENG	
1-987-120	Matte:Thick 2	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-121	Matte:Thick 3	ENG	
1-987-122	Matte:Thick 4	ENG	
1-987-123	Matte:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-124	Matte:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-125	Matte:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-126	Matte:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-127	Matte:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-132	Envelope:Thick 5	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-133	Envelope:Thick 6	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-134	Envelope:Thick 7	ENG	[-10 to 10 / -0.8 / 0.1%/step]
1-987-137	Embossed:Thick 1	ENG	
1-987-138	Embossed:Thick 2	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-139	Embossed:Thick 3	ENG	
1-987-140	Embossed:Thick 4	ENG	
1-987-141	Embossed:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]

1-987-142	Embossed:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-143	Embossed:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-144	Embossed:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-145	Embossed:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-146	Magnet	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-147	Metallic/pearl:Thick 1	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-148	Metallic/pearl:Thick 2	ENG	
1-987-149	Metallic/pearl:Thick 3	ENG	
1-987-150	Metallic/pearl:Thick 4	ENG	[-10 to 10 / -0.1 / 0.1%/step]
1-987-151	Metallic/pearl:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-152	Metallic/pearl:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-153	Metallic/pearl:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-154	Metallic/pearl:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-155	Metallic/pearl:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-156	Clear File	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-157	Synthetic:Thick 1	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-158	Synthetic:Thick 2	ENG	
1-987-159	Synthetic:Thick 3	ENG	
1-987-160	Synthetic:Thick 4	ENG	[-10 to 10 / -0.1 / 0.1%/step]
1-987-161	Synthetic:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-162	Synthetic:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-163	Synthetic:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-164	Synthetic:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-165	Synthetic:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]

1-987-166	NCR:Thick 1	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-167	NCR:Thick 2	ENG	
1-987-168	NCR:Thick 3	ENG	
1-987-169	NCR:Thick 4	ENG	[-10 to 10 / -0.1 / 0.1%/step]
1-987-170	NCR:Thick 5	ENG	[-10 to 10 / -0.2 / 0.1%/step]
1-987-171	NCR:Thick 6	ENG	[-10 to 10 / -0.3 / 0.1%/step]
1-987-172	NCR:Thick 7	ENG	[-10 to 10 / -0.4 / 0.1%/step]
1-987-173	NCR:Thick 8	ENG	[-10 to 10 / -0.5 / 0.1%/step]
1-987-174	NCR:Thick 9	ENG	[-10 to 10 / -0.6 / 0.1%/step]
1-987-175	Transparent Sheet	ENG	[-10 to 10 / 0 / 0.1%/step]
1-987-176	Tracing paper	ENG	[-10 to 10 / 0 / 0.1%/step]

1988	[CPM Adjustment]		
1-988-101 to 109	Plain:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-119 to 127	Matte:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[1 to 100 / 100 / 1%/step]
1-988-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-146	Magnet	ENG	[1 to 100 / 100 / 1%/step]
1-988-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-156	Clear File	ENG	[1 to 100 / 100 / 1%/step]
1-988-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]

1-988-166 to 174	NCR:Thick 1 to Thick 9	ENG	[1 to 100 / 100 / 1%/step]
1-988-175	Transparent Sheet	ENG	[1 to 100 / 100 / 1%/step]
1-988-176	Tracing paper	ENG	[1 to 100 / 100 / 1%/step]

1989	[Nip Width Setting]		
	1: Press 1 2: Press 2 3: Press 3 4: Press 4		
1-989-101 to 109	Plain:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-119 to 127	Matte:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[1 to 4 / 4 / 1/step]
1-989-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-146	Magnet	ENG	[1 to 4 / 4 / 1/step]
1-989-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-156	Clear File	ENG	[1 to 4 / 4 / 1/step]
1-989-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-166 to 174	NCR:Thick 1 to Thick 9	ENG	[1 to 4 / 4 / 1/step]
1-989-175	Transparent Sheet	ENG	[1 to 4 / 4 / 1/step]
1-989-176	Tracing paper	ENG	[1 to 4 / 4 / 1/step]

1990	[L Temp:CPM Down]		
	0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3		
1-990-001	Plain:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-002	Plain:Thick 2:duplex	ENG	
1-990-003	Plain:Thick 3:duplex	ENG	
1-990-004	Plain:Thick 4:duplex	ENG	
1-990-005	Plain:Thick 5:duplex	ENG	
1-990-006	Plain:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-007	Plain:Thick 7:duplex	ENG	
1-990-008	Plain:Thick 8:duplex	ENG	
1-990-009	Plain:Thick 9:duplex	ENG	
1-990-010	Glossy:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-011	Glossy:Thick 2:duplex	ENG	
1-990-012	Glossy:Thick 3:duplex	ENG	
1-990-013	Glossy:Thick 4:duplex	ENG	
1-990-014	Glossy:Thick 5:duplex	ENG	
1-990-015	Glossy:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-016	Glossy:Thick 7:duplex	ENG	
1-990-017	Glossy:Thick 8:duplex	ENG	
1-990-018	Glossy:Thick 9:duplex	ENG	

1-990-019	Matte:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-020	Matte:Thick 2:duplex	ENG	
1-990-021	Matte:Thick 3:duplex	ENG	
1-990-022	Matte:Thick 4:duplex	ENG	
1-990-023	Matte:Thick 5:duplex	ENG	
1-990-024	Matte:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-025	Matte:Thick 7:duplex	ENG	
1-990-026	Matte:Thick 8:duplex	ENG	
1-990-027	Matte:Thick 9:duplex	ENG	
1-990-032	Envelope:Thick 5:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-033	Envelope:Thick 6:duplex	ENG	
1-990-034	Envelope:Thick 7:duplex	ENG	
1-990-037	Embossed:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-038	Embossed:Thick 2:duplex	ENG	
1-990-039	Embossed:Thick 3:duplex	ENG	
1-990-040	Embossed:Thick 4:duplex	ENG	
1-990-041	Embossed:Thick 5:duplex	ENG	
1-990-042	Embossed:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-043	Embossed:Thick 7:duplex	ENG	
1-990-044	Embossed:Thick 8:duplex	ENG	
1-990-045	Embossed:Thick 9:duplex	ENG	
1-990-046	Magnet:duplex	ENG	[0 to 3 / 0 / 1/step]

1-990-047	Metallic/pearl:Thick 1 :duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-048	Metallic/pearl:Thick 2:duplex	ENG	
1-990-049	Metallic/pearl:Thick 3:duplex	ENG	
1-990-050	Metallic/pearl:Thick 4:duplex	ENG	
1-990-051	Metallic/pearl:Thick 5:duplex	ENG	
1-990-052	Metallic/pearl:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-053	Metallic/pearl:Thick 7:duplex	ENG	
1-990-054	Metallic/pearl:Thick 8:duplex	ENG	
1-990-055	Metallic/pearl:Thick 9:duplex	ENG	
1-990-056	Clear File:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-057	Synthetic:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-058	Synthetic:Thick 2:duplex	ENG	
1-990-059	Synthetic:Thick 3:duplex	ENG	
1-990-060	Synthetic:Thick 4:duplex	ENG	
1-990-061	Synthetic:Thick 5:duplex	ENG	
1-990-062	Synthetic:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-063	Synthetic:Thick 7:duplex	ENG	
1-990-064	Synthetic:Thick 8:duplex	ENG	
1-990-065	Synthetic:Thick 9:duplex	ENG	
1-990-066	NCR:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-067	NCR:Thick 2:duplex	ENG	
1-990-068	NCR:Thick 3:duplex	ENG	
1-990-069	NCR:Thick 4:duplex	ENG	
1-990-070	NCR:Thick 5:duplex	ENG	

1-990-071	NCR:Thick 6:duplex	ENG	[0 to 3 / 3 / 1/step]
1-990-072	NCR:Thick 7:duplex	ENG	
1-990-073	NCR:Thick 8:duplex	ENG	
1-990-074	NCR:Thick 9:duplex	ENG	
1-990-075	Transparent Sheet:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-076	Tracing paper:duplex	ENG	[0 to 3 / 0 / 1/step]
1-990-101	Plain:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-102	Plain:Thick 2:simplex	ENG	
1-990-103	Plain:Thick 3:simplex	ENG	
1-990-104	Plain:Thick 4:simplex	ENG	
1-990-105	Plain:Thick 5:simplex	ENG	
1-990-106	Plain:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-107	Plain:Thick 7:simplex	ENG	
1-990-108	Plain:Thick 8:simplex	ENG	
1-990-109	Plain:Thick 9:simplex	ENG	
1-990-110	Glossy:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-111	Glossy:Thick 2:simplex	ENG	
1-990-112	Glossy:Thick 3:simplex	ENG	
1-990-113	Glossy:Thick 4:simplex	ENG	
1-990-114	Glossy:Thick 5:simplex	ENG	
1-990-115	Glossy:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-116	Glossy:Thick 7:simplex	ENG	
1-990-117	Glossy:Thick 8:simplex	ENG	
1-990-118	Glossy:Thick 9:simplex	ENG	

1-990-119	Matte:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-120	Matte:Thick 2:simplex	ENG	
1-990-121	Matte:Thick 3:simplex	ENG	
1-990-122	Matte:Thick 4:simplex	ENG	
1-990-123	Matte:Thick 5:simplex	ENG	
1-990-124	Matte:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-125	Matte:Thick 7:simplex	ENG	
1-990-126	Matte:Thick 8:simplex	ENG	
1-990-127	Matte:Thick 9:simplex	ENG	
1-990-132	Envelope:Thick 5:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-133	Envelope:Thick 6:simplex	ENG	
1-990-134	Envelope:Thick 7:simplex	ENG	
1-990-137	Embossed:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-138	Embossed:Thick 2:simplex	ENG	
1-990-139	Embossed:Thick 3:simplex	ENG	
1-990-140	Embossed:Thick 4:simplex	ENG	
1-990-141	Embossed:Thick 5:simplex	ENG	
1-990-142	Embossed:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-143	Embossed:Thick7:simplex	ENG	
1-990-144	Embossed:Thick 8:simplex	ENG	
1-990-145	Embossed:Thick 9:simplex	ENG	
1-990-146	Magnet:simplex	ENG	[0 to 3 / 0 / 1/step]

1-990-147	Metallic/pearl:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-148	Metallic/pearl:Thick 2:simplex	ENG	
1-990-149	Metallic/pearl:Thick 3:simplex	ENG	
1-990-150	Metallic/pearl:Thick 4:simplex	ENG	
1-990-151	Metallic/pearl:Thick 5:simplex	ENG	
1-990-152	Metallic/pearl:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-153	Metallic/pearl:Thick 7:simplex	ENG	
1-990-154	Metallic/pearl:Thick 8:simplex	ENG	
1-990-155	Metallic/pearl:Thick 9:simplex	ENG	
1-990-156	Clear File:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-157	Synthetic:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-158	Synthetic:Thick 2:simplex	ENG	
1-990-159	Synthetic:Thick 3:simplex	ENG	
1-990-160	Synthetic:Thick 4:simplex	ENG	
1-990-161	Synthetic:Thick 5:simplex	ENG	
1-990-162	Synthetic:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-163	Synthetic:Thick 7:simplex	ENG	
1-990-164	Synthetic:Thick 8:simplex	ENG	
1-990-165	Synthetic:Thick 9:simplex	ENG	

1-990-166	NCR:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-167	NCR:Thick 2:simplex	ENG	
1-990-168	NCR:Thick 3:simplex	ENG	
1-990-169	NCR:Thick 4:simplex	ENG	
1-990-170	NCR:Thick 5:simplex	ENG	
1-990-171	NCR:Thick 6:simplex	ENG	[0 to 3 / 3 / 1/step]
1-990-172	NCR:Thick 7:simplex	ENG	
1-990-173	NCR:Thick 8:simplex	ENG	
1-990-174	NCR:Thick 9:simplex	ENG	
1-990-175	Transparent Sheet:simplex	ENG	[0 to 3 / 0 / 1/step]
1-990-176	Tracing paper:simplex	ENG	[0 to 3 / 0 / 1/step]

1991	[Over N-Temp:CPM Down]		
	0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3		
1-991-001	Plain:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-002	Plain:Thick 2:duplex	ENG	
1-991-003	Plain:Thick 3:duplex	ENG	
1-991-004	Plain:Thick 4:duplex	ENG	
1-991-005	Plain:Thick 5:duplex	ENG	
1-991-006	Plain:Thick 6:duplex	ENG	
1-991-007	Plain:Thick 7:duplex	ENG	
1-991-008	Plain:Thick 8:duplex	ENG	
1-991-009	Plain:Thick 9:duplex	ENG	

1-991-010	Glossy:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-011	Glossy:Thick 2:duplex	ENG	
1-991-012	Glossy:Thick 3:duplex	ENG	
1-991-013	Glossy:Thick 4:duplex	ENG	
1-991-014	Glossy:Thick 5:duplex	ENG	
1-991-015	Glossy:Thick 6:duplex	ENG	
1-991-016	Glossy:Thick 7:duplex	ENG	
1-991-017	Glossy:Thick 8:duplex	ENG	
1-991-018	Glossy:Thick 9:duplex	ENG	
1-991-019	Matte:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-020	Matte:Thick 2:duplex	ENG	
1-991-021	Matte:Thick 3:duplex	ENG	
1-991-022	Matte:Thick 4:duplex	ENG	
1-991-023	Matte:Thick 5:duplex	ENG	
1-991-024	Matte:Thick 6:duplex	ENG	
1-991-025	Matte:Thick 7:duplex	ENG	
1-991-026	Matte:Thick 8:duplex	ENG	
1-991-027	Matte:Thick 9:duplex	ENG	
1-991-032	Envelope:Thick 5:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-033	Envelope:Thick 6:duplex	ENG	
1-991-034	Envelope:Thick 7:duplex	ENG	

1-991-037	Embossed:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-038	Embossed:Thick 2:duplex	ENG	
1-991-039	Embossed:Thick 3:duplex	ENG	
1-991-040	Embossed:Thick 4:duplex	ENG	
1-991-041	Embossed:Thick 5:duplex	ENG	
1-991-042	Embossed:Thick 6:duplex	ENG	
1-991-043	Embossed:Thick 7:duplex	ENG	
1-991-044	Embossed:Thick 8:duplex	ENG	
1-991-045	Embossed:Thick 9:duplex	ENG	
1-991-046	Magnet:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-047	Metallic/pearl:Thick 1 :duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-048	Metallic/pearl:Thick 2:duplex	ENG	
1-991-049	Metallic/pearl:Thick 3:duplex	ENG	
1-991-050	Metallic/pearl:Thick 4:duplex	ENG	
1-991-051	Metallic/pearl:Thick 5:duplex	ENG	
1-991-052	Metallic/pearl:Thick 6:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-053	Metallic/pearl:Thick 7:duplex	ENG	
1-991-054	Metallic/pearl:Thick 8:duplex	ENG	
1-991-055	Metallic/pearl:Thick 9:duplex	ENG	
1-991-056	Clear File:duplex	ENG	[0 to 3 / 0 / 1/step]

1-991-057	Synthetic:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-058	Synthetic:Thick 2:duplex	ENG	
1-991-059	Synthetic:Thick 3:duplex	ENG	
1-991-060	Synthetic:Thick 4:duplex	ENG	
1-991-061	Synthetic:Thick 5:duplex	ENG	
1-991-062	Synthetic:Thick 6:duplex	ENG	
1-991-063	Synthetic:Thick 7:duplex	ENG	
1-991-064	Synthetic:Thick 8:duplex	ENG	
1-991-065	Synthetic:Thick 9:duplex	ENG	
1-991-066	NCR:Thick 1:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-067	NCR:Thick 2:duplex	ENG	
1-991-068	NCR:Thick 3:duplex	ENG	
1-991-069	NCR:Thick 4:duplex	ENG	
1-991-070	NCR:Thick 5:duplex	ENG	
1-991-071	NCR:Thick 6:duplex	ENG	
1-991-072	NCR:Thick 7:duplex	ENG	
1-991-073	NCR:Thick 8:duplex	ENG	
1-991-074	NCR:Thick 9:duplex	ENG	
1-991-075	Transparent Sheet:duplex	ENG	[0 to 3 / 0 / 1/step]
1-991-076	Tracing paper:duplex	ENG	[0 to 3 / 0 / 1/step]

1-991-101	Plain:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-102	Plain:Thick 2:simplex	ENG	
1-991-103	Plain:Thick 3:simplex	ENG	
1-991-104	Plain:Thick 4:simplex	ENG	
1-991-105	Plain:Thick 5:simplex	ENG	
1-991-106	Plain:Thick 6:simplex	ENG	
1-991-107	Plain:Thick 7:simplex	ENG	
1-991-108	Plain:Thick 8:simplex	ENG	
1-991-109	Plain:Thick 9:simplex	ENG	
1-991-110	Glossy:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-111	Glossy:Thick 2:simplex	ENG	
1-991-112	Glossy:Thick 3:simplex	ENG	
1-991-113	Glossy:Thick 4:simplex	ENG	
1-991-114	Glossy:Thick 5:simplex	ENG	
1-991-115	Glossy:Thick 6:simplex	ENG	
1-991-116	Glossy:Thick 7:simplex	ENG	
1-991-117	Glossy:Thick 8:simplex	ENG	
1-991-118	Glossy:Thick 9:simplex	ENG	

1-991-119	Matte:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-120	Matte:Thick 2:simplex	ENG	
1-991-121	Matte:Thick 3:simplex	ENG	
1-991-122	Matte:Thick 4:simplex	ENG	
1-991-123	Matte:Thick 5:simplex	ENG	
1-991-124	Matte:Thick 6:simplex	ENG	
1-991-125	Matte:Thick 7:simplex	ENG	
1-991-126	Matte:Thick 8:simplex	ENG	
1-991-127	Matte:Thick 9:simplex	ENG	
1-991-132	Envelope:Thick 5:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-133	Envelope:Thick 6:simplex	ENG	
1-991-134	Envelope:Thick 7:simplex	ENG	
1-991-137	Embossed:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-138	Embossed:Thick 2:simplex	ENG	
1-991-139	Embossed:Thick 3:simplex	ENG	
1-991-140	Embossed:Thick 4:simplex	ENG	
1-991-141	Embossed:Thick 5:simplex	ENG	
1-991-142	Embossed:Thick 6:simplex	ENG	
1-991-143	Embossed:Thick 7:simplex	ENG	
1-991-144	Embossed:Thick 8:simplex	ENG	
1-991-145	Embossed:Thick 9:simplex	ENG	
1-991-146	Magnet:simplex	ENG	[0 to 3 / 0 / 1/step]

1-991-147	Metallic/pearl:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-148	Metallic/pearl:Thick 2:simplex	ENG	
1-991-149	Metallic/pearl:Thick 3:simplex	ENG	
1-991-150	Metallic/pearl:Thick 4:simplex	ENG	
1-991-151	Metallic/pearl:Thick 5:simplex	ENG	
1-991-152	Metallic/pearl:Thick 6:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-153	Metallic/pearl:Thick 7:simplex	ENG	
1-991-154	Metallic/pearl:Thick 8:simplex	ENG	
1-991-155	Metallic/pearl:Thick 9:simplex	ENG	
1-991-156	Clear File:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-157	Synthetic:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-158	Synthetic:Thick 2:simplex	ENG	
1-991-159	Synthetic:Thick 3:simplex	ENG	
1-991-160	Synthetic:Thick 4:simplex	ENG	
1-991-161	Synthetic:Thick 5:simplex	ENG	
1-991-162	Synthetic:Thick 6:simplex	ENG	
1-991-163	Synthetic:Thick 7:simplex	ENG	
1-991-164	Synthetic:Thick 8:simplex	ENG	
1-991-165	Synthetic:Thick 9:simplex	ENG	

1-991-166	NCR:Thick 1:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-167	NCR:Thick 2:simplex	ENG	
1-991-168	NCR:Thick 3:simplex	ENG	
1-991-169	NCR:Thick 4:simplex	ENG	
1-991-170	NCR:Thick 5:simplex	ENG	
1-991-171	NCR:Thick 6:simplex	ENG	
1-991-172	NCR:Thick 7:simplex	ENG	
1-991-173	NCR:Thick 8:simplex	ENG	
1-991-174	NCR:Thick 9:simplex	ENG	
1-991-175	Transparent Sheet:simplex	ENG	[0 to 3 / 0 / 1/step]
1-991-176	Tracing paper:simplex	ENG	[0 to 3 / 0 / 1/step]

1992	[Web Feed Interval]		
1-992-101 to 109	Plain:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-119 to 127	Matte:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[-75 to 0 / 0 / 5%/step]
1-992-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-146	Magnet	ENG	[-75 to 0 / 0 / 5%/step]
1-992-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-156	Clear File	ENG	[-75 to 0 / 0 / 5%/step]
1-992-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]

1-992-166 to 174	NCR:Thick 1 to Thick 9	ENG	[-75 to 0 / 0 / 5%/step]
1-992-175	Transparent Sheet	ENG	[-75 to 0 / 0 / 5%/step]
1-992-176	Tracing paper	ENG	[-75 to 0 / 0 / 5%/step]

1995	[Envelope Nip Width Setting]		
1-995-101 to 109	Plain:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-119 to 127	Matte:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-146	Magnet	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-156	Clear File	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-166 to 174	NCR:Thick 1 to Thick 9	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-175	Transparent Sheet	ENG	[0 to 10000 / 638 / 1 msec/step]
1-995-176	Tracing paper	ENG	[0 to 10000 / 638 / 1 msec/step]

1996	[Refresh Accumulation Rate]		
1-996-101 to 109	Plain:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]

1-996-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-119 to 127	Matte:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[0 to 255 / 100 / 1%/step]
1-996-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-146	Magnet	ENG	[0 to 255 / 100 / 1%/step]
1-996-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-156	Clear File	ENG	[0 to 255 / 100 / 1%/step]
1-996-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-166 to 174	NCR:Thick 1 to Thick 9	ENG	[0 to 255 / 100 / 1%/step]
1-996-175	Transparent Sheet	ENG	[0 to 255 / 100 / 1%/step]
1-996-176	Tracing paper	ENG	[0 to 255 / 100 / 1%/step]

1997	[PrePress Pattern]		
	0: Off 1: On		
1-997-101 to 109	Plain:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-110 to 118	Glossy:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-119 to 127	Matte:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-132 to 134	Envelope:Thick 5 to Thick 7	ENG	[0 or 1 / 0 / 1/step]

1-997-137 to 145	Embossed:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-146	Magnet	ENG	[0 or 1 / 0 / 1/step]
1-997-147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-156	Clear File	ENG	[0 or 1 / 0 / 1/step]
1-997-157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-166 to 174	NCR:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-997-175	Transparent Sheet	ENG	[0 or 1 / 0 / 1/step]
1-997-176	Tracing paper	ENG	[0 or 1 / 0 / 1/step]

1998	[Cleaning Web Pressure Setting]		
	0: Off 1: On		
1-998- 101 to 109	Plain:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 110 to 118	Glossy:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 119 to 127	Matte:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 132 to 134	Envelope:Thick 5 to Thick 7	ENG	[0 or 1 / 0 / 1/step]
1-998- 137 to 145	Embossed:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 146	Magnet	ENG	[0 or 1 / 0 / 1/step]
1-998- 147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 156	Clear File	ENG	[0 or 1 / 0 / 1/step]

1-998- 157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 166 to 174	NCR:Thick 1 to Thick 9	ENG	[0 or 1 / 0 / 1/step]
1-998- 175	Transparent Sheet	ENG	[0 or 1 / 0 / 1/step]
1-998- 176	Tracing paper	ENG	[0 or 1 / 0 / 1/step]

Group 2000 (1/4)

SP2-101 to -190 (Drum)

2101	[Reg Col Interval]		
	Sets manual adjustment amount of main scan/sub scan registration for each laser unit.		
2-101-001	Main Scan Dot: Bk	ENG	[-512 to 511 / 0 / 1 dot/step]
	Bk: Main Scan Regist (rgate) Adjust		
2-101-002	Main Scan Dot: Cy	ENG	[-512 to 511 / 0 / 1 dot/step]
	Cy: Main Scan Regist (rgate) Adjust		
2-101-003	Main Scan Dot: Ma	ENG	[-512 to 511 / 0 / 1 dot/step]
	Ma: Main Scan Regist (rgate) Adjust		
2-101-004	Main Scan Dot: Ye	ENG	[-512 to 511 / 0 / 1 dot/step]
	Ye: Main Scan Regist (rgate) Adjust		
2-101-006	Main/Sub Scan: Bk	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Bk: Main Scan Regist (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-007	Main/Sub Scan: Cy	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Cy: Main Scan Regist (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-008	Main/Sub Scan: Ma	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Ma: Main Scan Regist (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-009	Main/Sub Scan: Ye	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Ye: Main Scan Regist (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-021	Main beam pitch adj: Bk	ENG	[1107 to 1620 / 1438 / 1 um/step]
	Bk: Main Scan Beam Pitch Adjust		
2-101-022	Main beam pitch adj: Cy	ENG	[1107 to 1620 / 1438 / 1 um/step]
	Cy: Main Scan Beam Pitch Adjust		

2-101-023	Main beam pitch adj: Ma	ENG	[1107 to 1620 / 1438 / 1 um/step]
	Ma: Main Scan Beam Pitch Adjust		
2-101-024	Main beam pitch adj: Ye	ENG	[1107 to 1620 / 1438 / 1 um/step]
	Ye: Main Scan Beam Pitch Adjust		
2-101-036	SubScan Line: Bk	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Bk: Sub Scan Registration Adjust (4800 dpi)		
2-101-037	SubScan Line: Cy	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Cy: Sub Scan Registration Adjust (4800 dpi)		
2-101-038	SubScan Line: Ma	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Ma: Sub Scan Registration Adjust (4800 dpi)		
2-101-039	SubScan Line: Ye	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Ye: Sub Scan Registration Adjust (4800 dpi)		
2-101-041	Main cor revision dot: Cy	ENG	[-512 to 511 / 0 / 1 dot/step]
	Cy: Music: Main Scan Registration (rgate) Adjust		
2-101-042	Main cor revision dot: Ma	ENG	[-512 to 511 / 0 / 1 dot/step]
	Ma: Music: Main Scan Registration (rgate) Adjust		
2-101-043	Main cor revision dot: Ye	ENG	[-512 to 511 / 0 / 1 dot/step]
	Ye: Music: Main Scan Registration (rgate) Adjust		
2-101-045	Main cor revision subdot: Cy	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Cy: Music: Main Scan Registration (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-046	Main cor revision subdot: Ma	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Ma: Music: Main Registration (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-047	Main cor revision subdot: Ye	ENG	[-47 to 47 / 0 / 1 sub-dot/step]
	Ye: Music: Main Scan Registration (D-Phase Area 0) Adjust: 1/48 Dot		
2-101-049	Sub cor revision line: Cy	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Cy: Music: Sub Scan Registration Adjust (4800 dpi)		

2-101-050	Sub cor revision line: Ma	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Ma: Music: Sub Scan Registration Adjust (4800 dpi)		
2-101-051	Sub cor revision line: Ye	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Ye: Music: Sub Scan Registration Adjust (4800 dpi)		
2-101-060	Main Left Mag.: Subdot: Cy	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	C: Main Scan Fine Adjustment: Left: 1/48 Dot		
2-101-061	Main Right Mag.: Subdot: Cy	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	Cy: Main Scan Fine Adjustment: Right: 1/48 Dot		
2-101-062	Main Left Mag.: Subdot: Ma	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	Ma: Main Scan Fine Adjustment: Left: 1/48 Dot		
2-101-063	Main Right Mag.: Subdot: Ma	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	Ma: Main Scan Fine Adjustment: Right: 1/48 Dot		
2-101-064	Main Left Mag.: Subdot: Ye	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	Ye: Main Scan Fine Adjustment: Left: 1/48 Dot		
2-101-065	Main Right Mag.: Subdot: Ye	ENG	[-4096 to 4095 / 0 / 1 sub-dot/step]
	Ye: Main Scan Fine Adjustment: Right: 1/48 Dot		

2102	[Magnification Adjustment]		
	Adjusts the magnification settings of the laser unit for each color.		
2-102-001	Main Mag.: Bk	ENG	[0 to 245 / 120 / 1/step]
	Bk: Main Scan Magnification Adjustment: Standard Speed		

2-102-004	Main Mag.: Cy	ENG	[0 to 245 / 120 / 1/step]
	Cy: Main Scan Magnification Adjustment: Standard Speed		
2-102-007	Main Mag.: Ma	ENG	[0 to 245 / 120 / 1/step]
	Ma: Main Scan Magnification Adjustment: Standard Speed		
2-102-010	Main Mag.: Ye	ENG	[0 to 245 / 120 / 1/step]
	Ye: Main Scan Magnification Adjustment: Standard Speed		
2-102-016	Main Mag.: subdot: Bk	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Bk: Main Scan Magnification Fine Adjustment: Standard Speed: 1/48 Dot		
2-102-019	Main Mag.: subdot: Cy	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Cy: Main Scan Magnification Fine Adjustment: Standard Speed: 1/48 Dot		
2-102-022	Main Mag.: subdot: Ma	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Ma: Main Scan Magnification Fine Adjustment: Standard Speed: 1/48 Dot		
2-102-025	Main Mag.: subdot: Ye	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Ye: Main Scan Magnification Fine Adjustment: Standard Speed: 1/48 Dot		
2-102-031	Main Paper Int. Mag: Subdot: Bk	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Bk: Main Scan Magnification Fine Adjustment: Paper Interval: 1/48 Dot		
2-102-032	Main Paper Int. Mag: Subdot: Cy	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Cy: Main Scan Magnification Fine Adjustment: Paper Interval: 1/48 Dot		
2-102-033	Main Paper Int. Mag: Subdot: Ma	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Ma: Main Scan Magnification Fine Adjustment: Paper Interval: 1/48 Dot		

2-102-034	Main Paper Int. Mag: Subdot: Ye	ENG	[-15264 to 15264 / 0 / 1 sub-dot/ step]
	Ye: Main Scan Magnification Fine Adjustment: Paper Interval: 1/48 Dot		
2-102-041	Face Main Mag set & Adj	ENG	[-0.8 to 0.8 / 0.000 / 0.025%/step]
	Face: Main Scan Magnification Adjustment (other than Custom Paper) for 1st side of paper		
2-102-042	Face Sub Mag set & Adj	ENG	[-0.8 to 0.8 / 0.000 / 0.025%/step]
	Sub Scan Magnification Adjustment (other than Custom Paper) for 1st side of paper		
2-102-043	Verso Main Mag set & Adj	ENG	[-0.8 to 0.8 / 0.000 / 0.025%/step]
	Main Scan Magnification Adjustment (other than Custom Paper) for 2nd side of paper		
2-102-044	Verso Sub Mag set & Adj	ENG	[-0.8 to 0.8 / 0.000 / 0.025%/step]
	Sub Scan Magnification Adjustment (other than Custom Paper) for 2nd side of paper		
2-102-051	Face Trapezoid: Left Side	ENG	[-0.25 to 0.25 / 0.00 / 0.01 mm/ step]
	Adjusts the left side of a trapezoid image for the 1st side.		
2-102-052	Face Trapezoid: Right Side	ENG	[-0.25 to 0.25 / 0.00 / 0.01 mm/ step]
	Adjusts the right side of a trapezoid image for the 1st side.		
2-102-053	Verso Trapezoid: Left Side	ENG	[-0.25 to 0.25 / 0.00 / 0.01 mm/ step]
	Adjusts the left side of a trapezoid image for the 2nd side.		
2-102-054	Verso Trapezoid: Right Side	ENG	[-0.25 to 0.25 / 0.00 / 0.01 mm/ step]
	Adjusts the right side of a trapezoid image for the 2nd side.		
2103	[Erase Margin Adjustment]		
	Adjusts the margin adjustment for each edge of an image.		

2-103-001	Lead Edge Width	ENG	[0.0 to 9.0 / 4.0 / 0.1 mm/step]
	Lead Edge Width Adjustment		
2-103-002	Trail. Edge Width	ENG	[0.0 to 9.0 / 4.0 / 0.1 mm/step]
	Trail. Edge Width Adjustment		
2-103-003	Left	ENG	[0.0 to 9.0 / 2.0 / 0.1 mm/step]
	Left Edge Width Adjustment		
2-103-004	Right	ENG	[0.0 to 9.0 / 2.0 / 0.1 mm/step]
	Right Edge Width Adjustment		

2104	[Skew Adjustment]		
	Adjusts the skew of an image for each color.		
2-104-001	Manual Bk	ENG	[-50 to 50 / 0 / 1 pulse/step]
	Adjusts the correction value for the skew of the black image. +: The right side of the main scanning is upward. -: The right side of the main scanning is downward.		
2-104-002	Manual Cy	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Adjusts the correction value for the skew of the cyan image. +: The right side of the main scanning is upward. -: The right side of the main scanning is downward.		
2-104-003	Manual Ma	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Adjusts the correction value for the skew of then magenta image. +: The right side of the main scanning is upward. -: The right side of the main scanning is downward.		
2-104-004	Manual Ye	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Adjusts the correction value for the skew of the yellow image. +: The right side of the main scanning is upward. -: The right side of the main scanning is downward.		

2-104-006	Accumulation present value Bk	ENG	[-50 to 50 / 0 / 1 pulse/step]
	Displays the accumulated value of the skew correction for the black image.		
2-104-007	Accumulated Present Value Cy	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the skew correction for the cyan image.		
2-104-008	Accumulated Present Value Ma	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the skew correction for the magenta image.		
2-104-009	Accumulated Present Value Ye	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the skew correction for the yellow image.		
2-104-011	Accumulated MUSIC Value Cy	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the MUSIC correction for the cyan image.		
2-104-012	Accumulated MUSIC Value Ma	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the MUSIC correction for the magenta image.		
2-104-013	Accumulated MUSIC Value Ye	ENG	[-100 to 100 / 0 / 1 pulse/step]
	Displays the accumulated value of the MUSIC correction for the yellow image.		
2-104-020	Phase pattern Bk	ENG	[1 to 4 / 1 / 1/step]
	Saves the skew motor phase pattern of the black laser unit.		
2-104-021	Phase Pattern Cy	ENG	[1 to 4 / 1 / 1/step]
	Saves the skew motor phase pattern of the cyan laser unit.		
2-104-022	Phase Pattern Ma	ENG	[1 to 4 / 1 / 1/step]
	Saves the skew motor phase pattern of the magenta laser unit.		
2-104-023	Phase Pattern Ye	ENG	[1 to 4 / 1 / 1/step]
	Saves the skew motor phase pattern of the yellow laser unit.		
2-104-030	Clear Revision Bk	ENG	[Execute]
	Clears all skew correction values for the black laser unit.		
2-104-031	Clear Revision Cy	ENG	[Execute]
	Clears all skew correction values for the cyan laser unit.		

2-104-032	Clear Revision Ma	ENG	[Execute]
	Clears all skew correction values for the magenta laser unit.		
2-104-033	Clear Revision Ye	ENG	[Execute]
	Clears all skew correction values for the yellow laser unit.		
2-104-040	Manual	ENG	[-30 to 30 / 0 / 1 pulse/step]
	Adjusts the perpendicularity for all laser units.		

2106	[trapezoid Adj]		
	Adjusts the correction value of each laser unit for the trapezoid image.		
2-106-001	Revision Bk 01ch	ENG	[-48 to 48 / -15 / 1 sub-dot/step]
2-106-002	Revision Bk 02ch	ENG	[-48 to 48 / -13 / 1 sub-dot/step]
2-106-003	Revision Bk 03ch	ENG	[-48 to 48 / -12 / 1 sub-dot/step]
2-106-004	Revision Bk 04ch	ENG	[-48 to 48 / -11 / 1 sub-dot/step]
2-106-005	Revision Bk 05ch	ENG	[-48 to 48 / -9 / 1 sub-dot/step]
2-106-006	Revision Bk 06ch	ENG	[-48 to 48 / -8 / 1 sub-dot/step]
2-106-007	Revision Bk 07ch	ENG	[-48 to 48 / -7 / 1 sub-dot/step]
2-106-008	Revision Bk 08ch	ENG	[-48 to 48 / -6 / 1 sub-dot/step]
2-106-009	Revision Bk 09ch	ENG	[-48 to 48 / -5 / 1 sub-dot/step]
2-106-010	Revision Bk 10ch	ENG	[-48 to 48 / -4 / 1 sub-dot/step]
2-106-011	Revision Bk 11ch	ENG	[-48 to 48 / -3 / 1 sub-dot/step]
2-106-012	Revision Bk 12ch	ENG	[-48 to 48 / -1 / 1 sub-dot/step]
2-106-013	Revision Bk 13ch	ENG	[-48 to 48 / 0 / 1 sub-dot/step]
2-106-014	Revision Bk 14ch	ENG	[-48 to 48 / 1 / 1 sub-dot/step]
2-106-015	Revision Bk 15ch	ENG	[-48 to 48 / 3 / 1 sub-dot/step]
2-106-016	Revision Bk 16ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-017	Revision Bk 17ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]

2-106-018	Revision Bk 18ch	ENG	[-48 to 48 / 5 / 1 sub-dot/step]
2-106-019	Revision Bk 19ch	ENG	[-48 to 48 / 7 / 1 sub-dot/step]
2-106-020	Revision Bk 20ch	ENG	[-48 to 48 / 8 / 1 sub-dot/step]
2-106-021	Revision Bk 21ch	ENG	[-48 to 48 / 9 / 1 sub-dot/step]
2-106-022	Revision Bk 22ch	ENG	[-48 to 48 / 10 / 1 sub-dot/step]
2-106-023	Revision Bk 23ch	ENG	[-48 to 48 / 11 / 1 sub-dot/step]
2-106-024	Revision Bk 24ch	ENG	[-48 to 48 / 12 / 1 sub-dot/step]
2-106-025	Revision Bk 25ch	ENG	[-48 to 48 / 13 / 1 sub-dot/step]
2-106-026	Revision Bk 26ch	ENG	[-48 to 48 / 14 / 1 sub-dot/step]
2-106-027	Revision Bk 27ch	ENG	[-48 to 48 / 15 / 1 sub-dot/step]
2-106-028	Revision Bk 28ch	ENG	[-48 to 48 / 16 / 1 sub-dot/step]
2-106-029	Revision Bk 29ch	ENG	[-48 to 48 / 18 / 1 sub-dot/step]
2-106-030	Revision Bk 30ch	ENG	[-48 to 48 / 19 / 1 sub-dot/step]
2-106-031	Revision Bk 31ch	ENG	[-48 to 48 / 20 / 1 sub-dot/step]
2-106-032	Revision Bk 32ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-033	Revision Bk 33ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-034	Revision Bk 34ch	ENG	[-48 to 48 / 23 / 1 sub-dot/step]
2-106-035	Revision Bk 35ch	ENG	[-48 to 48 / 24 / 1 sub-dot/step]
2-106-036	Revision Bk 36ch	ENG	[-48 to 48 / 25 / 1 sub-dot/step]
2-106-037	Revision Bk 37ch	ENG	[-48 to 48 / 26 / 1 sub-dot/step]
2-106-038	Revision Bk 38ch	ENG	[-48 to 48 / 27 / 1 sub-dot/step]
2-106-039	Revision Bk 39ch	ENG	[-48 to 48 / 29 / 1 sub-dot/step]
2-106-040	Revision Bk 40ch	ENG	[-48 to 48 / 30 / 1 sub-dot/step]
2-106-041	Revision Cy 01ch	ENG	[-48 to 48 / -15 / 1 sub-dot/step]
2-106-042	Revision Cy 02ch	ENG	[-48 to 48 / -13 / 1 sub-dot/step]
2-106-043	Revision Cy 03ch	ENG	[-48 to 48 / -12 / 1 sub-dot/step]

2-106-044	Revision Cy 04ch	ENG	[-48 to 48 / -11 / 1 sub-dot/step]
2-106-045	Revision Cy 05ch	ENG	[-48 to 48 / -9 / 1 sub-dot/step]
2-106-046	Revision Cy 06ch	ENG	[-48 to 48 / -8 / 1 sub-dot/step]
2-106-047	Revision Cy 07ch	ENG	[-48 to 48 / -7 / 1 sub-dot/step]
2-106-048	Revision Cy 08ch	ENG	[-48 to 48 / -6 / 1 sub-dot/step]
2-106-049	Revision Cy 09ch	ENG	[-48 to 48 / -5 / 1 sub-dot/step]
2-106-050	Revision Cy 10ch	ENG	[-48 to 48 / -4 / 1 sub-dot/step]
2-106-051	Revision Cy 11ch	ENG	[-48 to 48 / -3 / 1 sub-dot/step]
2-106-052	Revision Cy 12ch	ENG	[-48 to 48 / -1 / 1 sub-dot/step]
2-106-053	Revision Cy 13ch	ENG	[-48 to 48 / 0 / 1 sub-dot/step]
2-106-054	Revision Cy 14ch	ENG	[-48 to 48 / 1 / 1 sub-dot/step]
2-106-055	Revision Cy 15ch	ENG	[-48 to 48 / 3 / 1 sub-dot/step]
2-106-056	Revision Cy 16ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-057	Revision Cy 17ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-058	Revision Cy 18ch	ENG	[-48 to 48 / 5 / 1 sub-dot/step]
2-106-059	Revision Cy 19ch	ENG	[-48 to 48 / 7 / 1 sub-dot/step]
2-106-060	Revision Cy 20ch	ENG	[-48 to 48 / 8 / 1 sub-dot/step]
2-106-061	Revision Cy 21ch	ENG	[-48 to 48 / 9 / 1 sub-dot/step]
2-106-062	Revision Cy 22ch	ENG	[-48 to 48 / 10 / 1 sub-dot/step]
2-106-063	Revision Cy 23ch	ENG	[-48 to 48 / 11 / 1 sub-dot/step]
2-106-064	Revision Cy 24ch	ENG	[-48 to 48 / 12 / 1 sub-dot/step]
2-106-065	Revision Cy 25ch	ENG	[-48 to 48 / 13 / 1 sub-dot/step]
2-106-066	Revision Cy 26ch	ENG	[-48 to 48 / 14 / 1 sub-dot/step]
2-106-067	Revision Cy 27ch	ENG	[-48 to 48 / 15 / 1 sub-dot/step]
2-106-068	Revision Cy 28ch	ENG	[-48 to 48 / 16 / 1 sub-dot/step]
2-106-069	Revision Cy 29ch	ENG	[-48 to 48 / 18 / 1 sub-dot/step]

2-106-070	Revision Cy 30ch	ENG	[-48 to 48 / 19 / 1 sub-dot/step]
2-106-071	Revision Cy 31ch	ENG	[-48 to 48 / 20 / 1 sub-dot/step]
2-106-072	Revision Cy 32ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-073	Revision Cy 33ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-074	Revision Cy 34ch	ENG	[-48 to 48 / 23 / 1 sub-dot/step]
2-106-075	Revision Cy 35ch	ENG	[-48 to 48 / 24 / 1 sub-dot/step]
2-106-076	Revision Cy 36ch	ENG	[-48 to 48 / 25 / 1 sub-dot/step]
2-106-077	Revision Cy 37ch	ENG	[-48 to 48 / 26 / 1 sub-dot/step]
2-106-078	Revision Cy 38ch	ENG	[-48 to 48 / 27 / 1 sub-dot/step]
2-106-079	Revision Cy 39ch	ENG	[-48 to 48 / 29 / 1 sub-dot/step]
2-106-080	Revision Cy 40ch	ENG	[-48 to 48 / 30 / 1 sub-dot/step]
2-106-081	Revision Ma 01ch	ENG	[-48 to 48 / -15 / 1 sub-dot/step]
2-106-082	Revision Ma 02ch	ENG	[-48 to 48 / -13 / 1 sub-dot/step]
2-106-083	Revision Ma 03ch	ENG	[-48 to 48 / -12 / 1 sub-dot/step]
2-106-084	Revision Ma 04ch	ENG	[-48 to 48 / -11 / 1 sub-dot/step]
2-106-085	Revision Ma 05ch	ENG	[-48 to 48 / -9 / 1 sub-dot/step]
2-106-086	Revision Ma 06ch	ENG	[-48 to 48 / -8 / 1 sub-dot/step]
2-106-087	Revision Ma 07ch	ENG	[-48 to 48 / -7 / 1 sub-dot/step]
2-106-088	Revision Ma 08ch	ENG	[-48 to 48 / -6 / 1 sub-dot/step]
2-106-089	Revision Ma 09ch	ENG	[-48 to 48 / -5 / 1 sub-dot/step]
2-106-090	Revision Ma 10ch	ENG	[-48 to 48 / -4 / 1 sub-dot/step]
2-106-091	Revision Ma 11ch	ENG	[-48 to 48 / -3 / 1 sub-dot/step]
2-106-092	Revision Ma 12ch	ENG	[-48 to 48 / -1 / 1 sub-dot/step]
2-106-093	Revision Ma 13ch	ENG	[-48 to 48 / 0 / 1 sub-dot/step]
2-106-094	Revision Ma 14ch	ENG	[-48 to 48 / 1 / 1 sub-dot/step]
2-106-095	Revision Ma 15ch	ENG	[-48 to 48 / 3 / 1 sub-dot/step]

2-106-096	Revision Ma 16ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-097	Revision Ma 17ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-098	Revision Ma 18ch	ENG	[-48 to 48 / 5 / 1 sub-dot/step]
2-106-099	Revision Ma 19ch	ENG	[-48 to 48 / 7 / 1 sub-dot/step]
2-106-100	Revision Ma 20ch	ENG	[-48 to 48 / 8 / 1 sub-dot/step]
2-106-101	Revision Ma 21ch	ENG	[-48 to 48 / 9 / 1 sub-dot/step]
2-106-102	Revision Ma 22ch	ENG	[-48 to 48 / 10 / 1 sub-dot/step]
2-106-103	Revision Ma 23ch	ENG	[-48 to 48 / 11 / 1 sub-dot/step]
2-106-104	Revision Ma 24ch	ENG	[-48 to 48 / 12 / 1 sub-dot/step]
2-106-105	Revision Ma 25ch	ENG	[-48 to 48 / 13 / 1 sub-dot/step]
2-106-106	Revision Ma 26ch	ENG	[-48 to 48 / 14 / 1 sub-dot/step]
2-106-107	Revision Ma 27ch	ENG	[-48 to 48 / 15 / 1 sub-dot/step]
2-106-108	Revision Ma 28ch	ENG	[-48 to 48 / 16 / 1 sub-dot/step]
2-106-109	Revision Ma 29ch	ENG	[-48 to 48 / 18 / 1 sub-dot/step]
2-106-110	Revision Ma 30ch	ENG	[-48 to 48 / 19 / 1 sub-dot/step]
2-106-111	Revision Ma 31ch	ENG	[-48 to 48 / 20 / 1 sub-dot/step]
2-106-112	Revision Ma 32ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-113	Revision Ma 33ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-114	Revision Ma 34ch	ENG	[-48 to 48 / 23 / 1 sub-dot/step]
2-106-115	Revision Ma 35ch	ENG	[-48 to 48 / 24 / 1 sub-dot/step]
2-106-116	Revision Ma 36ch	ENG	[-48 to 48 / 25 / 1 sub-dot/step]
2-106-117	Revision Ma 37ch	ENG	[-48 to 48 / 26 / 1 sub-dot/step]
2-106-118	Revision Ma 38ch	ENG	[-48 to 48 / 27 / 1 sub-dot/step]
2-106-119	Revision Ma 39ch	ENG	[-48 to 48 / 29 / 1 sub-dot/step]
2-106-120	Revision Ma 40ch	ENG	[-48 to 48 / 30 / 1 sub-dot/step]
2-106-121	Revision Ye 01ch	ENG	[-48 to 48 / -15 / 1 sub-dot/step]

2-106-122	Revision Ye 02ch	ENG	[-48 to 48 / -13 / 1 sub-dot/step]
2-106-123	Revision Ye 03ch	ENG	[-48 to 48 / -12 / 1 sub-dot/step]
2-106-124	Revision Ye 04ch	ENG	[-48 to 48 / -11 / 1 sub-dot/step]
2-106-125	Revision Ye 05ch	ENG	[-48 to 48 / -9 / 1 sub-dot/step]
2-106-126	Revision Ye 06ch	ENG	[-48 to 48 / -8 / 1 sub-dot/step]
2-106-127	Revision Ye 07ch	ENG	[-48 to 48 / -7 / 1 sub-dot/step]
2-106-128	Revision Ye 08ch	ENG	[-48 to 48 / -6 / 1 sub-dot/step]
2-106-129	Revision Ye 09ch	ENG	[-48 to 48 / -5 / 1 sub-dot/step]
2-106-130	Revision Ye 10ch	ENG	[-48 to 48 / -4 / 1 sub-dot/step]
2-106-131	Revision Ye 11ch	ENG	[-48 to 48 / -3 / 1 sub-dot/step]
2-106-132	Revision Ye 12ch	ENG	[-48 to 48 / -1 / 1 sub-dot/step]
2-106-133	Revision Ye 13ch	ENG	[-48 to 48 / 0 / 1 sub-dot/step]
2-106-134	Revision Ye 14ch	ENG	[-48 to 48 / 1 / 1 sub-dot/step]
2-106-135	Revision Ye 15ch	ENG	[-48 to 48 / 3 / 1 sub-dot/step]
2-106-136	Revision Ye 16ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-137	Revision Ye 17ch	ENG	[-48 to 48 / 4 / 1 sub-dot/step]
2-106-138	Revision Ye 18ch	ENG	[-48 to 48 / 5 / 1 sub-dot/step]
2-106-139	Revision Ye 19ch	ENG	[-48 to 48 / 7 / 1 sub-dot/step]
2-106-140	Revision Ye 20ch	ENG	[-48 to 48 / 8 / 1 sub-dot/step]
2-106-141	Revision Ye 21ch	ENG	[-48 to 48 / 9 / 1 sub-dot/step]
2-106-142	Revision Ye 22ch	ENG	[-48 to 48 / 10 / 1 sub-dot/step]
2-106-143	Revision Ye 23ch	ENG	[-48 to 48 / 11 / 1 sub-dot/step]
2-106-144	Revision Ye 24ch	ENG	[-48 to 48 / 12 / 1 sub-dot/step]
2-106-145	Revision Ye 25ch	ENG	[-48 to 48 / 13 / 1 sub-dot/step]
2-106-146	Revision Ye 26ch	ENG	[-48 to 48 / 14 / 1 sub-dot/step]
2-106-147	Revision Ye 27ch	ENG	[-48 to 48 / 15 / 1 sub-dot/step]

2-106-148	Revision Ye 28ch	ENG	[-48 to 48 / 16 / 1 sub-dot/step]
2-106-149	Revision Ye 29ch	ENG	[-48 to 48 / 18 / 1 sub-dot/step]
2-106-150	Revision Ye 30ch	ENG	[-48 to 48 / 19 / 1 sub-dot/step]
2-106-151	Revision Ye 31ch	ENG	[-48 to 48 / 20 / 1 sub-dot/step]
2-106-152	Revision Ye 32ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-153	Revision Ye 33ch	ENG	[-48 to 48 / 21 / 1 sub-dot/step]
2-106-154	Revision Ye 34ch	ENG	[-48 to 48 / 23 / 1 sub-dot/step]
2-106-155	Revision Ye 35ch	ENG	[-48 to 48 / 24 / 1 sub-dot/step]
2-106-156	Revision Ye 36ch	ENG	[-48 to 48 / 25 / 1 sub-dot/step]
2-106-157	Revision Ye 37ch	ENG	[-48 to 48 / 26 / 1 sub-dot/step]
2-106-158	Revision Ye 38ch	ENG	[-48 to 48 / 27 / 1 sub-dot/step]
2-106-159	Revision Ye 39ch	ENG	[-48 to 48 / 29 / 1 sub-dot/step]
2-106-160	Revision Ye 40ch	ENG	[-48 to 48 / 30 / 1 sub-dot/step]

2107	[Image Parameter]		
2-107-001	Shading Correction Flag	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the shading correction for each laser unit.		
2-107-002	Image Gamma Flag	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the image gamma correction for each laser unit.		
2-107-003	Jaggy Revision	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the smoothing correction for each laser unit.		
2-107-004	Fatten slanted line	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the slanted line correction.		

2-107-005	Dot Stabilize Revision	ENG	[0 or 1 / 0 / 1/step] 0: ON, 1: OFF
	Turns on or off the dot position correction.		
2-107-006	BowSkew Revision	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the BowSkew correction.		
2-107-007	Sub Mag Adj Revision K1	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the black 1.		
2-107-008	Sub Mag Adj Revision K2	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the black 2.		
2-107-009	Sub Mag Adj Revision W1	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the white 1.		
2-107-010	Sub Mag Adj Revision W2	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the white 2.		
2-107-011	Sub Mag Adj Rev 600dpi K1	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the black 1 in 600 dpi mode.		
2-107-012	Trapezoid Adj ON/OFF	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the trapezoid correction.		
2-107-013	Sub Mag Adj Mirror Bk	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the black image mirroring.		

2-107-014	Sub Mag Adj Mirror Cy	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the cyan image mirroring.		
2-107-015	Sub Mag Adj Mirror Ma	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the magenta image mirroring.		
2-107-016	Sub Mag Adj Mirror Ye	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the yellow image mirroring.		
2-107-018	Sub Mag Adj Revision K3	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the black 3.		
2-107-019	Sub Mag Adj Revision Gray	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan magnification correction for the gray.		
2-107-020	Sub Scan Revision 1 spl	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the sub scan 1 spl correction.		
2-107-021	Sub Mag Adj Parameter Change	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Turns on or off the parameter change of the sub scan magnification.		
2-107-022	PWM Phase Selection	ENG	[0 to 2 / 2 / 1/step] 0: Phase 4 1: Phase Middle 2: Phase 3
	Sets the type of the PWM phase.		

2-107-023	Image trapezoid Adj	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
	Turns on or off the trapezoid image correction.		

2108	[Image Parameter]		
	Acquires the image parameter for each laser unit.		
2-108-001	Bk Writing Unit	ENG	[Execute]
2-108-002	Cy Writing Unit	ENG	[Execute]
2-108-003	Ma Writing Unit	ENG	[Execute]
2-108-004	Ye Writing Unit	ENG	[Execute]

2109	[Test Pattern]		
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2-109-003	Pattern Selection	ENG	[0 to 28 / 0 / 1/step]	
	Selects the test pattern.			
	1	Vertical Line 1 dot	15	Hound's Tooth Check1 Vertical
	2	Vertical Line 2dot	16	Hound's Tooth Check2 Vertical
	3	Horizontal Line 1 dot	17	Band Horizontal
	4	Horizontal Line 2dot	18	Band Vertical
	5	Grid Vertical Line	19	Checker Flag Pattern
	6	Grid Horizontal Line	20	Grayscale Vertical Margin
	7	Grid Pattern Small	21	Grayscale Horizontal Margin
	8	Grid Pattern Large	22	Step Pattern 1 dot
	9	Argyle Pattern Small	23	Step Pattern 2dot
	10	Argyle Pattern Large	24	Stripe Pattern 1 dot
	11	Independent Pattern 1 dot	25	Stripe Pattern 2dot
	12	Independent Pattern 2dot	26	Full Dot Pattern
	13	Independent Pattern 4dot	27	None
14	Trimming Area	28	L Shape Pattern	
2-109-005	Color Selection 4'bBkCyMaYe	ENG	[0x00 to 0x0F / 0x0F / 1] bit0: Ye, bit1: Ma, bit2: Cy, bit3: Bk	
	Selects the output colors for the test pattern.			
2-109-006	Density: Bk	ENG	[0 to 15 / 15 / 1/step]	
	Adjusts the image density of the black for the test pattern.			
2-109-007	Density: Cy	ENG	[0 to 15 / 15 / 1/step]	
	Adjusts the image density of the cyan for the test pattern.			
2-109-008	Density: Ma	ENG	[0 to 15 / 15 / 1/step]	
	Adjusts the image density of the magenta for the test pattern.			

2-109-009	Density: Ye	ENG	[0 to 15 / 15 / 1/step]
	Adjusts the image density of the yellow for the test pattern.		

2110	[LDB Serial Number]		
	Displays the serial number for each laser unit.		
2-110-001	Bk:1-8digit	ENG	[0 to 99999999 / 0 / 1/step]
2-110-002	Bk:10-13digit	ENG	[0 to 9999 / 0 / 1/step]
2-110-003	Bk:1-9digit	ENG	[0 to 999999999 / 0 / 1/step]
2-110-004	Cy:1-8digit	ENG	[0 to 99999999 / 0 / 1/step]
2-110-005	Cy:10-13digit	ENG	[0 to 9999 / 0 / 1/step]
2-110-006	Cy:1-9digit	ENG	[0 to 999999999 / 0 / 1/step]
2-110-007	Ma:1-8digit	ENG	[0 to 99999999 / 0 / 1/step]
2-110-008	Ma:10-13digit	ENG	[0 to 9999 / 0 / 1/step]
2-110-009	Ma:1-9digit	ENG	[0 to 999999999 / 0 / 1/step]
2-110-010	Ye:1-8digit	ENG	[0 to 99999999 / 0 / 1/step]
2-110-011	Ye:10-13digit	ENG	[0 to 9999 / 0 / 1/step]
2-110-012	Ye:1-9digit	ENG	[0 to 999999999 / 0 / 1/step]

2111	[Forced Line Position Adj]		
	Executes the forced line position correction (MUSIC).		
2-111-001	Mode a	ENG	[Execute]
2-111-002	Mode b	ENG	Mode a/b: Fine adjustment Mode c: Rough adjustment Mode d: Rogh adjustment and fine adjustment
2-111-003	Mode c	ENG	
2-111-004	Mode d	ENG	

2112	[TM/P-Sensor Test]		
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2-112-001	Execute	ENG	[Execute]
	Checks scratches on the paper transfer belt and MUSIC sensors.		
2-112-010	General	ENG	[0 to 9999 / 0 / 1/step] 0: Normal 1: Error
	Displays the result of the MUSIC sensor check (SP2-112-001).		
2-112-015	Error Code: Front	ENG	[0 to 999999 / 0 / 1/step]
	Displays the error code for the front sensor of the ID sensors.		
2-112-016	Error Code: Center	ENG	[0 to 999999 / 0 / 1/step]
	Displays the error code for the center sensor of the ID sensors.		
2-112-017	Error Code: Rear	ENG	[0 to 999999 / 0 / 1/step]
	Displays the error code for the rear sensor of the ID sensors.		
2-112-020	Threshold Setting	ENG	[0.0 to 5.5 / 1.90 / 0.01 V/step]
	Sets the threshold for the paper transfer belt check.		
2-112-021	Judge Val: Min 2	ENG	[0.0 to 5.5 / 2.50 / 0.01 V/step]
	Sets the minimum threshold 2 for paper transfer belt check.		
2-112-022	Judge Val: Output Chg Amplitude High	ENG	[0.0 to 5.5 / 1.00 / 0.01 V/step]
	Sets the amplitude high threshold for the paper transfer belt check.		
2-112-023	Judge Val: Output Chg Amplitude Low	ENG	[0.0 to 5.5 / 1.00 / 0.01 V/step]
	Sets the amplitude low threshold for the paper transfer belt check.		
2-112-024	Judge Val: Ave Chg Amplitude High	ENG	[0.0 to 5.5 / 0.50 / 0.01 V/step]
	Sets the average threshold of amplitude high for the paper transfer belt check.		
2-112-025	Judge Val: Ave Chg Amplitude Low	ENG	[0.0 to 5.5 / 0.50 / 0.01 V/step]
	Sets the average threshold of amplitude low for the paper transfer belt check.		

2113	[Adj Density Diff Main Scan Dir]		
	Adjusts the density difference for each color between right side and left side of an image.		
2-113-001	Bk	ENG	[-10 to 10 / 0 / 1/step]
2-113-002	Cy	ENG	
2-113-003	Ma	ENG	
2-113-004	Ye	ENG	

2115	[LD Beam Efficient Rate]		
	Displays the LD beam efficient rate for each laser unit.		
2-115-001	Bk:LDU MIN	ENG	[0 to 1 / 0 / 0.001/step]
2-115-002	Bk:LDU MAX	ENG	[0 to 1 / 0 / 0.001/step]
2-115-003	Bk:LSU	ENG	[0 to 1 / 0 / 0.001/step]
2-115-004	Cy:LDU MIN	ENG	[0 to 1 / 0 / 0.001/step]
2-115-005	Cy:LDU MAX	ENG	[0 to 1 / 0 / 0.001/step]
2-115-006	Cy:LSU	ENG	[0 to 1 / 0 / 0.001/step]
2-115-007	Ma:LDU MIN	ENG	[0 to 1 / 0 / 0.001/step]
2-115-008	Ma:LDU MAX	ENG	[0 to 1 / 0 / 0.001/step]
2-115-009	Ma:LSU	ENG	[0 to 1 / 0 / 0.001/step]
2-115-010	Ye:LDU MIN	ENG	[0 to 1 / 0 / 0.001/step]
2-115-011	Ye:LDU MAX	ENG	[0 to 1 / 0 / 0.001/step]
2-115-012	Ye:LSU	ENG	[0 to 1 / 0 / 0.001/step]

2117	[LSU Installation Day]		
	Displays the replacement year and date of the laser unit for each color.		
2-117-001	Bk	ENG	[0 to 99999999 / 20130101 / 1/step]

2-117-002	Cy	ENG	[0 to 99999999 / 20130101 / 1/step]
2-117-003	Ma	ENG	[0 to 99999999 / 20130101 / 1/step]
2-117-004	Ye	ENG	[0 to 99999999 / 20130101 / 1/step]

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2122	[Erase Margin Adj Leading Edge]		
	Adjusts the erase margin of the leading edge for each paper type and paper weight.		
2-122- 101 to 109	Plain:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 110 to 118	Coated Glossy:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 119 to 127	Coated Matte:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 132 to 134	Envelope:Thick 5 to Thick 7	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 137 to 145	Embossed:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 146	Magnet	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 156	Clear File	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 166 to 174	NCR:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 175	Transparent Sheet	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-122- 176	Tracing paper	ENG	[-6 to 6 / 0 / 0.1 mm/step]

2123	[Erase Margin Adj Trailing Edge]		
	Adjusts the erase margin of the trailing edge for each paper type and paper weight.		
2-123- 101 to 109	Plain:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 110 to 118	Coated Glossy:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 119 to 127	Coated Matte:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 132 to 134	Envelope:Thick 5 to Thick 7	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 137 to 145	Embossed:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 146	Magnet	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 147 to 155	Metallic/pearl:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 156	Clear File	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 157 to 165	Synthetic:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 166 to 174	NCR:Thick 1 to Thick 9	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 175	Transparent Sheet	ENG	[-6 to 6 / 0 / 0.1 mm/step]
2-123- 176	Tracing paper	ENG	[-6 to 6 / 0 / 0.1 mm/step]

2125	[Total LD On Time]		
	Displays the power-on time of the LD unit for each color and laser type.		
2-125-001	Bk:<=20deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-002	Bk:20-30deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-003	Bk:30-40deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-004	Bk:40-50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2-125-005	Bk:>50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-006	Bk:<=20deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-007	Bk:20-30deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-008	Bk:30-40deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-009	Bk:40-50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-010	Bk:>50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-011	Bk:<=20deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-012	Bk:20-30deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-013	Bk:30-40deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-014	Bk:40-50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-015	Bk:>50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-016	Bk:<=20deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-017	Bk:20-30deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-018	Bk:30-40deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-019	Bk:40-50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-020	Bk:>50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-021	Bk:<=20deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-022	Bk:20-30deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-023	Bk:30-40deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-024	Bk:40-50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-025	Bk:>50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-051	Cy:<=20deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-052	Cy:20-30deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-053	Cy:30-40deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-054	Cy:40-50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-055	Cy:>50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2-125-056	Cy:<=20deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-057	Cy:20-30deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-058	Cy:30-40deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-059	Cy:40-50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-060	Cy:>50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-061	Cy:<=20deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-062	Cy:20-30deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-063	Cy:30-40deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-064	Cy:40-50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-065	Cy:>50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-066	Cy:<=20deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-067	Cy:20-30deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-068	Cy:30-40deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-069	Cy:40-50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-070	Cy:>50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-071	Cy:<=20deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-072	Cy:20-30deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-073	Cy:30-40deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-074	Cy:40-50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-075	Cy:>50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-101	Ma:<=20deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-102	Ma:20-30deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-103	Ma:30-40deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-104	Ma:40-50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-105	Ma:>50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-106	Ma:<=20deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2-125-107	Ma:20-30deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-108	Ma:30-40deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-109	Ma:40-50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-110	Ma:>50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-111	Ma:<=20deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-112	Ma:20-30deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-113	Ma:30-40deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-114	Ma:40-50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-115	Ma:>50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-116	Ma:<=20deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-117	Ma:20-30deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-118	Ma:30-40deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-119	Ma:40-50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-120	Ma:>50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-121	Ma:<=20deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-122	Ma:20-30deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-123	Ma:30-40deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-124	Ma:40-50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-125	Ma:>50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-151	Ye:<=20deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-152	Ye:20-30deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-153	Ye:30-40deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-154	Ye:40-50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-155	Ye:>50deg >1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-156	Ye:<=20deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-157	Ye:20-30deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2-125-158	Ye:30-40deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-159	Ye:40-50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-160	Ye:>50deg 0.95-1.15mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-161	Ye:<=20deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-162	Ye:20-30deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-163	Ye:30-40deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-164	Ye:40-50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-165	Ye:>50deg 0.75-0.95mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-166	Ye:<=20deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-167	Ye:20-30deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-168	Ye:30-40deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-169	Ye:40-50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-170	Ye:>50deg 0.55-0.75mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-171	Ye:<=20deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-172	Ye:20-30deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-173	Ye:30-40deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-174	Ye:40-50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-125-175	Ye:>50deg <=0.55mW	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2126	[LD On Time Set]		
	Initializes the power-on time of the LD unit for each color.		
2-126-001	Initialize (1Bk 2Cy 3Ma 4Ye)	ENG	[0 to 4 / 0 / 1/step]
2-126-002	Flag 1:ON 0:OFF	ENG	[0 or 1 / 1 / 1/step] Turns on or off the counter of LD power-on time.

2127	[Total LD On Time]		
	Displays the total time of the LD power-on for each color.		
2-127-001	Bk	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-127-002	Cy	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-127-003	Ma	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]
2-127-004	Ye	ENG	[0 to 0xFFFFFFFF / 0 / 1 msec/step]

2130	[Sub Mag Adj Parameter:Bk]		
2131	[Sub Mag Adj Parameter:Cy]		
2132	[Sub Mag Adj Parameter:Ma]		
2133	[Sub Mag Adj Parameter:Ye]		
	Adjusts the parameter of the sub scan magnification for each color.		
001	Interval:0.025 Percent	ENG	[0 to 255 / 19 / 1/step]
002	Mag Reciprocal:0.025 Percent	ENG	[0 to 8191 / 3990 / 1/step]
003	Interval:0.05 Percent	ENG	[0 to 255 / 53 / 1/step]
004	Mag Reciprocal:0.05 Percent	ENG	[0 to 8191 / 1961 / 1/step]
005	Interval:0.075 Percent	ENG	[0 to 255 / 19 / 1/step]
006	Mag Reciprocal:0.075 Percent	ENG	[0 to 8191 / 1349 / 1/step]
007	Interval:0.1 Percent	ENG	[0 to 255 / 53 / 1/step]
008	Mag Reciprocal:0.1 Percent	ENG	[0 to 8191 / 1007 / 1/step]
009	Interval:0.125 Percent	ENG	[0 to 255 / 47 / 1/step]
010	Mag Reciprocal:0.025 Percent	ENG	[0 to 8191 / 799 / 1/step]
011	Interval:0.15 Percent	ENG	[0 to 255 / 29 / 1/step]
012	Mag Reciprocal:0.15 Percent	ENG	[0 to 8191 / 667 / 1/step]
013	Interval:0.175 Percent	ENG	[0 to 255 / 13 / 1/step]
014	Mag Reciprocal:0.175 Percent	ENG	[0 to 8191 / 572 / 1/step]

015	Interval:0.2 Percent	ENG	[0 to 255 / 29 / 1/step]
016	Mag Reciprocal:0.2 Percent	ENG	[0 to 8191 / 493 / 1/step]
017	Interval:0.225 Percent	ENG	[0 to 255 / 23 / 1/step]
018	Mag Reciprocal:0.225 Percent	ENG	[0 to 8191 / 437 / 1/step]
019	Interval:0.25 Percent	ENG	[0 to 255 / 19 / 1/step]
020	Mag Reciprocal:0.25 Percent	ENG	[0 to 8191 / 339 / 1/step]
021	Interval:0.275 Percent	ENG	[0 to 255 / 19 / 1/step]
022	Mag Reciprocal:0.275 Percent	ENG	[0 to 8191 / 361 / 1/step]
023	Interval:0.3 Percent	ENG	[0 to 255 / 19 / 1/step]
024	Mag Reciprocal:0.3 Percent	ENG	[0 to 8191 / 323 / 1/step]
025	Interval:0.325 Percent	ENG	[0 to 255 / 17 / 1/step]
026	Mag Reciprocal:0.325 Percent	ENG	[0 to 8191 / 306 / 1/step]
027	Interval:0.35 Percent	ENG	[0 to 255 / 17 / 1/step]
028	Mag Reciprocal:0.35 Percent	ENG	[0 to 8191 / 289 / 1/step]
029	Interval:0.375 Percent	ENG	[0 to 255 / 14 / 1/step]
030	Mag Reciprocal:0.375 Percent	ENG	[0 to 8191 / 266 / 1/step]
031	Interval:0.4 Percent	ENG	[0 to 255 / 11 / 1/step]
032	Mag Reciprocal:0.4 Percent	ENG	[0 to 8191 / 253 / 1/step]
033	Interval:0.425 Percent	ENG	[0 to 255 / 21 / 1/step]
034	Mag Reciprocal:0.425 Percent	ENG	[0 to 8191 / 231 / 1/step]
035	Interval:0.45 Percent	ENG	[0 to 255 / 22 / 1/step]
036	Mag Reciprocal:0.45 Percent	ENG	[0 to 8191 / 220 / 1/step]
037	Interval:0.475 Percent	ENG	[0 to 255 / 21 / 1/step]
038	Mag Reciprocal:0.475 Percent	ENG	[0 to 8191 / 210 / 1/step]
039	Interval:0.5 Percent	ENG	[0 to 255 / 18 / 1/step]
040	Mag Reciprocal:0.5 Percent	ENG	[0 to 8191 / 198 / 1/step]

041	Interval:0.525 Percent	ENG	[0 to 255 / 19 / 1/step]
042	Mag Reciprocal:0.525 Percent	ENG	[0 to 8191 / 190 / 1/step]
043	Interval:0.55 Percent	ENG	[0 to 255 / 13 / 1/step]
044	Mag Reciprocal:0.55 Percent	ENG	[0 to 8191 / 182 / 1/step]
045	Interval:0.575 Percent	ENG	[0 to 255 / 11 / 1/step]
046	Mag Reciprocal:0.575 Percent	ENG	[0 to 8191 / 176 / 1/step]
047	Interval:0.6 Percent	ENG	[0 to 255 / 15 / 1/step]
048	Mag Reciprocal:0.6 Percent	ENG	[0 to 8191 / 165 / 1/step]
049	Interval:0.625 Percent	ENG	[0 to 255 / 16 / 1/step]
050	Mag Reciprocal:0.625 Percent	ENG	[0 to 8191 / 160 / 1/step]
051	Interval:0.65 Percent	ENG	[0 to 255 / 14 / 1/step]
052	Mag Reciprocal:0.65 Percent	ENG	[0 to 8191 / 154 / 1/step]
053	Interval:0.675 Percent	ENG	[0 to 255 / 15 / 1/step]
054	Mag Reciprocal:0.675 Percent	ENG	[0 to 8191 / 150 / 1/step]
055	Interval:0.7 Percent	ENG	[0 to 255 / 13 / 1/step]
056	Mag Reciprocal:0.7 Percent	ENG	[0 to 8191 / 143 / 1/step]
057	Interval:0.725 Percent	ENG	[0 to 255 / 14 / 1/step]
058	Mag Reciprocal:0.725 Percent	ENG	[0 to 8191 / 140 / 1/step]
059	Interval:0.75 Percent	ENG	[0 to 255 / 7 / 1/step]
060	Mag Reciprocal:0.75 Percent	ENG	[0 to 8191 / 133 / 1/step]
061	Interval:0.775 Percent	ENG	[0 to 255 / 13 / 1/step]
062	Mag Reciprocal:0.775 Percent	ENG	[0 to 8191 / 130 / 1/step]
063	Interval:0.8 Percent	ENG	[0 to 255 / 14 / 1/step]
064	Mag Reciprocal:0.8 Percent	ENG	[0 to 8191 / 126 / 1/step]

2141	[TM/P-Sensor Test]		
	Displays the average background voltage on the surface of the paper transfer belt which each ID sensor (front/ center/ rear) has detected.		
2-141-005	Average:Front	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-141-006	Average:Center	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-141-007	Average:Rear	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]

2142	[TM/P-Sensor Test]		
	Displays the average maximum background voltage on the surface of the paper transfer belt which each ID sensor (front/ center/ rear) has detected.		
2-142-005	Maximum:Front	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-142-006	Maximum:Center	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-142-007	Maximum:Rear	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]

2143	[TM/P-Sensor Test]		
	Displays the average minimum background voltage on the surface of the paper transfer belt which each ID sensor (front/ center/ rear) has detected.		
2-143-005	Minimum:Front	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-143-006	Minimum:Center	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-143-007	Minimum:Rear	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]

2144	[TM/P-Sensor Test]		
	Displays the average 2nd maximum background voltage on the surface of the paper transfer belt which each ID sensor (front/ center/ rear) has detected.		
2-144-005	Maximum 2:Front	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-144-006	Maximum 2:Center	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-144-007	Maximum 2:Rear	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]

2145	[TM/P-Sensor Test]		
	Displays the average 2nd minimum background voltage on the surface of the paper transfer belt which each ID sensor (front/ center/ rear) has detected.		
2-145-005	Minimum 2:Front	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-145-006	Minimum 2:Center	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]
2-145-007	Minimum 2:Rear	ENG	[0.00 to 5.50 / 0.00 / 0.01 V/step]

2146	[TM-Sensor Test]		
	Displays the number of detection when each ID sensor (front/ center/ rear) has detected the edge of patch on the surface of the paper transfer belt.		
2-146-005	Number of Edge Detection:Front	ENG	[0 to 16 / 0 / 1/step]
2-146-006	Number of Edge Detection:Center	ENG	[0 to 16 / 0 / 1/step]
2-146-007	Number of Edge Detection:Rear	ENG	[0 to 16 / 0 / 1/step]

2150	[Area Mag. Correction]		
	Displays the pulse setting of the main scan areas for each color.		
2-150-001 to 014	Area 0: Bk - Area 13: Bk	ENG	[-4095 to 4095 / 0 / 1 sub-dot/step]
2-150-015 to 028	Area 0: Cy - Area 13: Cy	ENG	[-4095 to 4095 / 0 / 1 sub-dot/step]
2-150-029 to 042	Area 0: Ma - Area 13: Ma	ENG	[-4095 to 4095 / 0 / 1 sub-dot/step]
2-150-043 to 056	Area 0: Ye - Area 13: Ye	ENG	[-4095 to 4095 / 0 / 1 sub-dot/step]

2151	[BowSkew Setting]		
	Displays the initial setting of the BowSkew areas for each color.		
2-151-001	Initial Setting Area0 :Bk	ENG	[0 to 24 / 0 / 1/step]
2-151-002	Initial Setting Area1-8:Bk	ENG	[0 to 65535 / 0 / 1/step]

2-151-003	Initial Setting Area9-16:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-004	Initial Setting Area17-24:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-005	Initial Setting Area25-32:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-006	Initial Setting Area33-40:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-007	Initial Setting Area41-48:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-008	Initial Setting Area49-56:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-009	Initial Setting Area57-64:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-010	Initial Setting Area65-72:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-011	Initial Setting Area73-80:Bk	ENG	[0 to 65535 / 0 / 1/step]
2-151-012	Initial Setting Area81-85:Bk	ENG	[0 to 1023 / 0 / 1/step]
2-151-013	Initial Setting Area0 :Cy	ENG	[0 to 24 / 0 / 1/step]
2-151-014	Initial Setting Area1-8:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-015	Initial Setting Area9-16:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-016	Initial Setting Area17-24:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-017	Initial Setting Area25-32:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-018	Initial Setting Area33-40:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-019	Initial Setting Area41-48:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-020	Initial Setting Area49-56:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-021	Initial Setting Area57-64:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-022	Initial Setting Area65-72:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-023	Initial Setting Area73-80:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-024	Initial Setting Area81-85:Cy	ENG	[0 to 1023 / 0 / 1/step]
2-151-025	Initial Setting Area0 :Ma	ENG	[0 to 24 / 0 / 1/step]
2-151-026	Initial Setting Area1-8:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-027	Initial Setting Area9-16:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-028	Initial Setting Area17-24:Ma	ENG	[0 to 65535 / 0 / 1/step]

2-151-029	Initial Setting Area25-32:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-030	Initial Setting Area33-40:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-031	Initial Setting Area41-48:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-032	Initial Setting Area49-56:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-033	Initial Setting Area57-64:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-034	Initial Setting Area65-72:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-035	Initial Setting Area73-80:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-036	Initial Setting Area81-85:Ma	ENG	[0 to 1023 / 0 / 1/step]
2-151-037	Initial Setting Area0 :Ye	ENG	[0 to 24 / 0 / 1/step]
2-151-038	Initial Setting Area1-8:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-039	Initial Setting Area9-16:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-040	Initial Setting Area17-24:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-041	Initial Setting Area25-32:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-042	Initial Setting Area33-40:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-043	Initial Setting Area41-48:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-044	Initial Setting Area49-56:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-045	Initial Setting Area57-64:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-046	Initial Setting Area65-72:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-047	Initial Setting Area73-80:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-048	Initial Setting Area81-85:Ye	ENG	[0 to 1023 / 0 / 1/step]
	Displays the correction setting of the BowSkew areas for each color.		
2-151-061	Revision Setting Area0 :Cy	ENG	[0 to 24 / 0 / 1/step]
2-151-062	Revision Setting Area1-8:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-063	Revision Setting Area9-16:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-064	Revision Setting Area17-24:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-065	Revision Setting Area25-32:Cy	ENG	[0 to 65535 / 0 / 1/step]

2-151-066	Revision Setting Area33-40:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-067	Revision Setting Area41-48:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-068	Revision Setting Area49-56:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-069	Revision Setting Area57-64:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-070	Revision Setting Area65-72:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-071	Revision Setting Area73-80:Cy	ENG	[0 to 65535 / 0 / 1/step]
2-151-072	Revision Setting Area81-85:Cy	ENG	[0 to 1023 / 0 / 1/step]
2-151-073	Revision Setting Area0 :Ma	ENG	[0 to 24 / 0 / 1/step]
2-151-074	Revision Setting Area1-8:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-075	Revision Setting Area9-16:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-076	Revision Setting Area17-24:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-077	Revision Setting Area25-32:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-078	Revision Setting Area33-40:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-079	Revision Setting Area41-48:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-080	Revision Setting Area49-56:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-081	Revision Setting Area57-64:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-082	Revision Setting Area65-72:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-083	Revision Setting Area73-80:Ma	ENG	[0 to 65535 / 0 / 1/step]
2-151-084	Revision Setting Area81-85:Ma	ENG	[0 to 1023 / 0 / 1/step]
2-151-085	Revision Setting Area0 :Ye	ENG	[0 to 24 / 0 / 1/step]
2-151-086	Revision Setting Area1-8:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-087	Revision Setting Area9-16:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-088	Revision Setting Area17-24:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-089	Revision Setting Area25-32:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-090	Revision Setting Area33-40:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-091	Revision Setting Area41-48:Ye	ENG	[0 to 65535 / 0 / 1/step]

2-151-092	Revision Setting Area49-56:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-093	Revision Setting Area57-64:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-094	Revision Setting Area65-72:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-095	Revision Setting Area73-80:Ye	ENG	[0 to 65535 / 0 / 1/step]
2-151-096	Revision Setting Area81-85:Ye	ENG	[0 to 1023 / 0 / 1/step]

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2152	[Area Shad. Correct. Setting]		
	Displays the shading correction setting of the main scan areas for each color.		
2-152-001	Front. Out of Image: Bk	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-002 to 031	Area 0: Bk - Area 29: Bk	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-033	Front. Out of Image: Cy	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-034 to 063	Area 0: Cy - Area 29: Cy	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-065	Front. Out of Image: Ma	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-066 to 095	Area 0: Ma - Area 29: Ma	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-097	Leading Edge: Y	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
2-152-098 to 127	Area 0: Ye - Area 29: Ye	ENG	[0.875 to 1.165 / 1.000 / 0.001/step]
	Displays the shading correction amount of the main scan areas for each color.		
2-152-129	Correct Amount: K: LE	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-130 to 159	Correct Amount: K: Area0 - Area29	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-161	Correct Amount: C: LE	ENG	[-0.5 to 0.5 / 0 / 0.001/step]

2-152-162 to 191	Correct Amount: C: Area0 - Area29	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-193	Correct Amount: M: LE	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-194 to 223	Correct Amount: M: Area0 - Area29	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-225	Correct Amount: Y: LE	ENG	[-0.5 to 0.5 / 0 / 0.001/step]
2-152-226 to 255	Correct Amount: Y: Area0 - Area29	ENG	[-0.5 to 0.5 / 0 / 0.001/step]

2153	[MUSIC Settings]		
2-153-001	Auto Execute	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution.		
2-153-002	During ProCon	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution during the process control.		
2-153-003	Initialization	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution during the initialization.		
2-153-004	During Data In	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution when the machine gets the color printing data.		
2-153-005	Writing	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution when the machine gets the color printing data after finishing the printing in BW mode.		

2-153-007	Paper Interval Condition	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the automatic MUSIC execution in multiple color printing mode when the temperature around the machine changes beyond the threshold of MUSIC.		
2-153-008	Paper Interval Normal	ENG	[0 or 1 / 1 / 1/step]
	Turns on or off the automatic MUSIC execution in multiple color printing mode when the number of printing meets the threshold of MUSIC.		
2-153-030	Clear Main Slip	ENG	[Execute]
	Clears the following settings of the main scan correction. SP2-101-041 to -043, SP2-101-045 to -047, SP2-101-060 to -065, SP2-181-002 to -010		
2-153-031	Clear Sub Slip	ENG	[Execute]
	Clears the following settings of the sub scan correction. SP2-101-049 to -051, SP2-151-061 to -096, SP2-181-014 to -022, SP2-181-026 to -028, SP2-181-030 to -038		
2-153-040	Temp Change Thresh: LDU1-1	ENG	[0.0 to 99.9 / 1.5 / 0.1 deg/step]
	Adjusts the threshold temperature 1 for the temperature change between previous MUSIC and current MUSIC.		
2-153-041	Temp Change Thresh: LDU1-2	ENG	[0.0 to 99.9 / 1.5 / 0.1 deg/step]
	Adjusts the threshold temperature 1 for the temperature change between the difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of previous MUSIC and difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of current MUSIC.		
2-153-043	Temp Change Thresh: LDU2-1	ENG	[0.0 to 99.9 / 3.0 / 0.1 deg/step]
	Adjusts the threshold temperature 2 for the temperature change between previous MUSIC and current MUSIC.		
2-153-044	Temp Change Thresh: LDU2-2	ENG	[0.0 to 99.9 / 3.0 / 0.1 deg/step]
	Adjusts the threshold temperature 2 for the temperature change between the difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of previous MUSIC and difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of current MUSIC.		

2-153-050	Temp Change Thresh: Paper Int 1	ENG	[0.0 to 99.9 / 1.5 / 0.1 deg/step]
	Adjusts the threshold temperature of the paper interval MUSIC (SP2-153-007) for the temperature change between previous MUSIC and current MUSIC.		
2-153-051	Temp Change Thresh: Paper Int 2	ENG	[0.0 to 99.9 / 1.5 / 0.1 deg/step]
	Adjusts the threshold temperature of the paper interval MUSIC (SP2-153-007) for the temperature change between the difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of previous MUSIC and difference (temperature of laser unit for Bk and laser unit for C, M, or Y) of current MUSIC.		
2-153-062	Page Thresh: Paper Interval	ENG	[0 to 999 / 500 / 1 page/step]
	Adjusts the threshold pages of the paper interval normal MUSIC (SP2-153-008).		

2154	[MUSIC Setting: 2]		
2-154-001	Feed Back Mode	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On Turns on or off the feed back mode of MUSIC settings.
2-154-050	Patch Pos Adjust	ENG	[0 or 1 / 0 / 1/step]
2-154-051	Patch Pos Adjust Value	ENG	[-190 to 190 / 0 / 1 dot/step] Adjusts the patch position for MUSIC.
2-154-052	Patch Pos Adjust: Result	ENG	[0 or 1 / 0 / 1/step]

2155	[MUSIC Setting: 3]		
Displays the main and sub scan offset setting of the front, center and rear ID sensors for each color (CMY).			
2-155-050	Main Offset Left: Cy	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-051	Main Offset Center: Cy	ENG	
2-155-052	Main Offset Right: Cy	ENG	

2-155-053	Main Offset Left: Ma	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-054	Main Offset Center: Ma	ENG	
2-155-055	Main Offset Right: Ma	ENG	
2-155-056	Main Offset Left: Ye	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-057	Main Offset Center: Ye	ENG	
2-155-058	Main Offset Right: Ye	ENG	
2-155-062	Sub Offset Left: Cy	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-063	Sub Offset Center: Cy	ENG	
2-155-064	Sub Offset Right: Cy	ENG	
2-155-065	Sub Offset Left: Ma	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-066	Sub Offset Center: Ma	ENG	
2-155-067	Sub Offset Right: Ma	ENG	
2-155-068	Sub Offset Left: Ye	ENG	[-2000.0 to 2000.0 / 0.0 / 0.1 um]
2-155-069	Sub Offset Center: Ye	ENG	
2-155-070	Sub Offset Right: Ye	ENG	
Adjusts the upper and lower limit for the BowSkew correction.			
2-155-090	BowSkew Upper Limit	ENG	[0 to 24 / 24 / 1 line/step]
2-155-091	BowSkew Lower Limit	ENG	[0 to 24 / 1 / line/step]

2156	[MUSIC Threshold Setting]		
	Adjusts the additional value to the threshold for the MUSIC sensors at detecting the edge of patches.		
2-156-001	Ch 0: 1st	ENG	[0.5 to 3.0 / 1.5 / 0.1 V/step]
2-156-002	Ch 0: 2nd	ENG	
2-156-003	Ch 0: 3rd	ENG	
2-156-004	Ch 0: 4th	ENG	

2-156-005	Ch 1: 1st	ENG	[0.5 to 3.0 / 1.5 / 0.1 V/step]
2-156-006	Ch 1: 2nd	ENG	
2-156-007	Ch 1: 3rd	ENG	
2-156-008	Ch 1: 4th	ENG	
2-156-009	Ch 2: 1st	ENG	[0.5 to 3.0 / 1.5 / 0.1 V/step]
2-156-010	Ch 2: 2nd	ENG	
2-156-011	Ch 2: 3rd	ENG	
2-156-012	Ch 2: 4th	ENG	
2-156-020	Threshold hysteresis	ENG	[0.0 to 3.0 / 0.0 / 0.1V/step]

2180	[MUSIC Monitor]		
2-180-001	Lens Temp: Bk	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the black LD at latest MUSIC.		
2-180-002	Lens Temp: Cy	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the cyan LD at latest MUSIC.		
2-180-003	Lens Temp: Ma	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the magenta LD at latest MUSIC.		
2-180-004	Lens Temp: Ye	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the yellow LD at latest MUSIC.		
2-180-010	Previous Temp : Bk	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the black LD at previous MUSIC.		
2-180-011	Previous Temp : Cy	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the cyan LD at previous MUSIC.		
2-180-012	Previous Temp : Ma	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the magenta LD at previous MUSIC.		

2-180-013	Previous Temp : Ye	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the yellow LD at previous MUSIC.		
2-180-014	Previous Temp : Bk Paper Int	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the blak LD at previous paper interval MUSIC.		
2-180-015	Previous Temp : Cy Paper Int	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the cyan LD at previous paper interval MUSIC.		
2-180-016	Previous Temp : Ma Paper Int	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the magenta LD at previous paper interval MUSIC.		
2-180-017	Previous Temp : Ye Paper Int	ENG	[0.0 to 99.9 / 0.0 / 0.1 deg/step]
	Displays the temperature of the yellow LD at previous paper interval MUSIC.		

2181	[Alignment Result]		
2-181-001	General	ENG	[0 to 9999999 / 0 / 1/step] 0: MUSIC not executed, 1: MUSIC correctly done
	Displays the MUSIC result.		
2-181-002	Difference Main Left: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the left MUSIC sensor after MUSIC adjustment for cyan.		
2-181-003	Difference Main Center: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the center MUSIC sensor after MUSIC adjustment for cyan.		
2-181-004	Difference Main Right: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the right MUSIC sensor after MUSIC adjustment for cyan.		

2-181-005	Difference Main Left: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the left MUSIC sensor after MUSIC adjustment for magenta.		
2-181-006	Difference Main Center: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the center MUSIC sensor after MUSIC adjustment for magenta.		
2-181-007	Difference Main Right: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the right MUSIC sensor after MUSIC adjustment for magenta.		
2-181-008	Difference Main Left: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the left MUSIC sensor after MUSIC adjustment for yellow.		
2-181-009	Difference Main Center: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the center MUSIC sensor after MUSIC adjustment for yellow.		
2-181-010	Difference Main Right: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the main scan for the right MUSIC sensor after MUSIC adjustment for yellow.		
2-181-014	Difference Sub Left: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the left MUSIC sensor after MUSIC adjustment for cyan.		
2-181-015	Difference Sub Center: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the center MUSIC sensor after MUSIC adjustment for cyan.		

2-181-016	Difference Sub Right: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the right MUSIC sensor after MUSIC adjustment for cyan.		
2-181-017	Difference Sub Left: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the left MUSIC sensor after MUSIC adjustment for magenta.		
2-181-018	Difference Sub Center: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the center MUSIC sensor after MUSIC adjustment for magenta.		
2-181-019	Difference Sub Right: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the right MUSIC sensor after MUSIC adjustment for magenta.		
2-181-020	Difference Sub Left: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the left MUSIC sensor after MUSIC adjustment for yellow.		
2-181-021	Difference Sub Center: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the center MUSIC sensor after MUSIC adjustment for yellow.		
2-181-022	Difference Sub Right: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the shift value of the sub scan for the right MUSIC sensor after MUSIC adjustment for yellow.		
2-181-026	MUSIC Sub Scan Revision: Cy	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Displays the correction value of the main scan after MUSIC adjustment for cyan.		

2-181-027	MUSIC Sub Scan Revision: Ma	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Displays the correction value of the main scan after MUSIC adjustment for magenta.		
2-181-028	MUSIC Sub Scan Revision: Ye	ENG	[-4096 to 4095 / 0 / 1 line/step]
	Displays the correction value of the main scan after MUSIC adjustment for yellow.		
2-181-030	BowSkew Revision Left: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the left MUSIC sensor after MUSIC adjustment for cyan.		
2-181-031	BowSkew Revision Center: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the center MUSIC sensor after MUSIC adjustment for cyan.		
2-181-032	BowSkew Revision Right: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the right MUSIC sensor after MUSIC adjustment for cyan.		
2-181-033	BowSkew Revision Left: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the left MUSIC sensor after MUSIC adjustment for magenta.		
2-181-034	BowSkew Revision Center: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the center MUSIC sensor after MUSIC adjustment for magenta.		
2-181-035	BowSkew Revision Right: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the right MUSIC sensor after MUSIC adjustment for magenta.		

2-181-036	BowSkew Revision Left: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the left MUSIC sensor after MUSIC adjustment for yellow.		
2-181-037	BowSkew Revision Center: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the center MUSIC sensor after MUSIC adjustment for yellow.		
2-181-038	BowSkew Revision Right: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the correction value of the BowSkew for the right MUSIC sensor after MUSIC adjustment for yellow.		
2-181-042	Skew Amt: Cy	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the skew shift amount of the main scan after MUSIC adjustment for cyan.		
2-181-043	Skew Amt: Ma	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the skew shift amount of the main scan after MUSIC adjustment for magenta.		
2-181-044	Skew Amt: Ye	ENG	[-2000 to 2000 / 0.000 / 0.001 um/step]
	Displays the skew shift amount of the main scan after MUSIC adjustment for yellow.		

2183	[Main Scan Length Detection]		
	Execute the measurement of two points in main scan for each color.		
2-183-001	Execute : Bk	ENG	[Execute]
2-183-004	Execute : Cy	ENG	[Execute]
2-183-007	Execute : Ma	ENG	[Execute]
2-183-010	Execute : Ye	ENG	[Execute]

2184	[Main Scan Length Target]		
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2-184-001	Execute: Bk	ENG	[Execute]
	Execute the acquirement of the standard value between two points in main scan for black.		
2-184-002	Execute: Cy	ENG	[Execute]
	Execute the acquirement of the standard value between two points in main scan for cyan.		
2-184-003	Execute: Ma	ENG	[Execute]
	Execute the acquirement of the standard value between two points in main scan for magenta.		
2-184-004	Execute: Ye	ENG	[Execute]
	Execute the acquirement of the standard value between two points in main scan for yellow.		
2-184-006	Count Value: Bk	ENG	[0 to 300000 / 266835 / 1/step]
	Displays the standard value between two points in main scan for black.		
2-184-007	Count Value: Cy	ENG	[0 to 300000 / 266835 / 1/step]
	Displays the standard value between two points in main scan for cyan.		
2-184-008	Count Value: Ma	ENG	[0 to 300000 / 266835 / 1/step]
	Displays the standard value between two points in main scan for magenta.		
2-184-009	Count Value: Ye	ENG	[0 to 300000 / 266835 / 1/step]
	Displays the standard value between two points in main scan for yellow.		
2185	[Main Scan Length Detection]		

2-185-001	Mode selection	ENG	[0 to 2 / 2 / 1/step] 0: OFF, 1: ON (Execution before job), 2: ALL ON (Execution at MUSIC, paper interval MUSIC and MUSIC before job) Selects the execution type for the measurement of two points in main scan.
2-185-002	Page Interval	ENG	[0 to 999 / 10 / 1 page/step] Adjusts the threshold pages for the measurement of two points in main scan.

2190	[Line Position Adj. Setting]		
	Turns on or off the magnification correction for the partial arer of each color at MUSIC exectuion.		
2-190-001	Partial Mag: Bk	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
2-190-002	Partial Mag: Cy	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
2-190-003	Partial Mag: Ma	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
2-190-004	Partial Mag: Ye	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the magnification correction for the left and right arers of each color at MUSIC exectuion.		
2-190-006	Left Right Mag: Cy	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
2-190-007	Left Right Mag: Ma	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On

2-190-008	Left Right Mag: Ye	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On
	Adjusts the maximum limit value for the interval of patces at MUSIC execution for each mode.		
2-190-012	SnSErr Range	ENG	[-3500 to 3500 / 400 / 1 um/step]
2-190-013	Error Detect Level: Paper Int Sub	ENG	[-3500 to 3500 / 400 / 1 um/step]
2-190-014	Error Detect Level: Paper Int Main	ENG	[-3500 to 3500 / 400 / 1 um/step]

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SP2-191 to -448 (Drum)

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2191	[Polygon Mirror Face Detection]		
	Turns on or off the measurement for the distance between the faces of the polygon motor mirror.		
2-191-001	Mode Selection	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON

2194	MUSIC Execution Result]		
	Execution Result	ENG	[0 or 1 / 0 / 1/step] 0: MUSIC not executed, 1: MUSIC correctly done
2-194-007	Displays the MUSIC result.		
2-194-008	Number of Execution	ENG	[0 to 999999 / 0 / 1 times/step]
	Displays the number of MUSIC execution.		
2-194-009	Number of Failure	ENG	[0 to 999999 / 0 / 1 times/step]
	Displays the number of MUSIC failure.		
2-194-010	Error Result: Cy	ENG	[0 to 9 / 0 / 1/step]
	Displays the result of MUSIC for cyan. 0: MUSIC not executed 1: MUSIC correctly done 2: Failure to detect patches 3: Not enough patterns to detection 5: Sampling data out of correction range 6: Failure to detect patches due to scratches on the paper transfer belt		

2-194-011	Error Result: Ma	ENG	[0 to 9 / 0 / 1/step]
	Displays the result of MUSIC for magenta. For details about the result, see SP2-194-010 described above.		
2-194-012	Error Result: Ye	ENG	[0 to 9 / 0 / 1/step]
	Displays the result of MUSIC for yellow. For details about the result, see SP2-194-010 described above.		

2197	[MUSIC Start Time]		
2-197-001	MUSIC Start Time (EDT)	ENG	[10 to 40 / 20 / 10 ms/step] Adjusts the timing of the MUSIC sensor detection.
2-197-002	TM Sensor Position	ENG	[50 to 2000 / 1030.7 / 0.1 mm/step] Adjusts the position of the MUSIC sensor detection.
2-197-003	Paper Int MUSIC: Patch Pos	ENG	[-300 to 300 / 12.6 / 0.01 mm/step] Adjusts the start position of the MUSIC sensor detection at the paper interval MUSIC.

2198	[MUSIC A/D Interval]		
2-198-001	ADC Trigger Counter	ENG	[5.0 to 20.0 / 5.0 / 0.1 us/step]
	Adjusts the interval of the MUSIC sensor detection.		

2199	[Music Error Time Setting]		
2-199-001	Error Detection Counter	ENG	[0.1 to 9.9 / 2.5 / 0.1sec/step]
	Adjusts the counter for the MUSIC error detection.		
2-199-001	Error Detection Counter:Paper Interval	ENG	[0.1 to 9.9 / 0.5 / 0.1sec/step]
	Adjusts the counter for the MUSIC error detection at the paper interval MUSIC.		

2201	[DC Charge Setting: Fixed]		
	Sets the DC bias of the charger unit for each color. These settings are activated only when the setting of SP3-600-001 (ProCon Potential Control) is set to "0: FIXED".		
2-201-001	K	ENG	[300 to 1350 / 520 / 1 -V/step]
2-201-002	C	ENG	
2-201-003	M	ENG	
2-201-004	Y	ENG	

2202	[Charge Setting: Fixed]		
	Sets the current setting for each color and speed. These settings are activated only when the setting of SP3-500-002 (ImgQtyAdj :ON/OFF, ProCon) is set to "0: OFF" or the setting of SP2-203-001 (Charge Setting: Control, Execution Setting: Environment Change) is set to "0: OFF".		
2-202-001	Std Speed: K	ENG	[0 to 2700 / Def* / 1 uA/step] *: 2580 for M238, 2070 for M205
2-202-002	Std Speed: C	ENG	
2-202-003	Std Speed: M	ENG	
2-202-004	Std Speed: Y	ENG	
2-202-011	Low Speed: K	ENG	[0 to 2700 / 1560 / 1 uA/step]
2-202-012	Low Speed: K	ENG	
2-202-013	Low Speed: K	ENG	
2-202-014	Low Speed: K	ENG	

2203	[Charge Setting: Control]		
	Sets the settings of the charger unit for each condition.		
2-203-001	Execution Setting: Environment Change	ENG	[0 to 1 / 1 / 1/step] 0: OFF, 1: ON Turns on or off the environmental correction for the current of the charger unit.

	Adjusts the current value for each speed and condition. These settings are activated only when the setting of SP2-203-001 is set to "1: ON" and the 2nd quenching lamp is turned OFF.		
2-203-002	Std Speed: LL	ENG	[0 to 2700 / Def* / 1/step] *: 2580 for M238, 2070 for M205
2-203-003	Std Speed: MM	ENG	[0 to 2700 / Def* / 1/step] *: 2160 for M238, 1740 for M205
2-203-004	Std Speed: HH	ENG	[0 to 2700 / Def* / 1/step] *: 1860 for M238, 1500 for M205
2-203-005	Low Speed: LL	ENG	[0 to 2700 / 1560 / 1/step]
2-203-006	Low Speed: MM	ENG	[0 to 2700 / 1290 / 1/step]
2-203-007	Low Speed: HH	ENG	[0 to 2700 / 1200 / 1/step]
	Adjusts the threshold of the absolute humidity between low and middle or middle and high.		
2-203-008	Abs Humidity: Thresh 1	ENG	[0 to 63.00 / 700 / 0.01 g/m ³ /step]
2-203-009	Abs Humidity: Thresh 2	ENG	[0 to 63.00 / 1300 / 0.01 g/m ³ /step]
2-203-011	2nd Quenching Lamp Switch	ENG	[0 to 2 / 2 / 1/step] 0: OFF 1: ON (HH Env Only) 2: ON (MM/HH Env Only) Selects the power-on type of 2nd quenching lamp.
	Adjusts the current value for each speed and condition. These settings are activated only when the setting of SP2-203-001 is set to "1: ON" and the 2nd quenching lamp is turned ON.		
2-203-013	2nd QuenchingLmp:Std Spd:MM:C1	ENG	[0 to 1800 / Def* / 1 uA/step] *: 1580 for M238, 1280 for M205
2-203-014	2nd QuenchingLmp:Std Spd:MM:C2	ENG	[0 to 900 / Def* / 1 uA/step] *: 790 for M238, 640 for M205

2-203-015	2nd QuenchingLmp:Std Spd:HH:C1	ENG	[0 to 1800 / Def* / 1 uA/step] *: 1500 for M238, 1200 for M205
2-203-016	2nd QuenchingLmp:Std Spd:HH:C2	ENG	[0 to 900 / Def* / 1 uA/step] *: 750 for M238, 600 for M205
2-203-017	2nd QuenchingLmp:Low Spd:MM:C1	ENG	[0 to 1800 / 960 / 1 uA/step]
2-203-018	2nd QuenchingLmp:Low Spd:MM:C2	ENG	[0 to 900 / 480 / 1 uA/step]
2-203-019	2nd QuenchingLmp:Low Spd:HH:C1	ENG	[0 to 1800 / 900 / 1 uA/step]
2-203-020	2nd QuenchingLmp:Low Spd:HH:C2	ENG	[0 to 900 / 450 / 1 uA/step]
2-203-021	2nd QuenchingLmp:Vd*:Upper:M M	ENG	[0 to 999 / 500 / 1 -V/step] Adjusts the maximum threshold of Vd in the MM condition.
2-203-022	2nd QuenchingLmp:Vd*:Upper:H H	ENG	[0 to 999 / 800 / 1 -V/step] Adjusts the maximum threshold of Vd in the HH condition.

2204	[Charge Current Display]		
	Displays the target current value for the charger unit when the setting of SP3-500-002 (ImgQltyAdj :ON/OFF, ProCon) is set to "1: ON" and the setting of SP2-203-001 (Charge Setting: Control, Execution Setting: Environment Change) is set to "1: ON".		
2-204-001	Control Value: Bk:C1+C2	ENG	[0 to 2700 / Def* / 1 uA/step] *: 2580 for M238, 2070 for M205
2-204-002	Control Value: CMY:C1+C2	ENG	[0 to 2700 / Def* / 1 uA/step] *: 2580 for M238, 2070 for M205
2-204-011	Control Value: Bk: C1	ENG	[0 to 2700 / 1720 / 1 uA/step]
2-204-012	Control Value: Bk: C2	ENG	[0 to 2700 / 860 / 1 uA/step]
2-204-013	Control Value: CMY: C1	ENG	[0 to 2700 / 1720 / 1 uA/step]
2-204-014	Control Value: CMY: C2	ENG	[0 to 2700 / 860 / 1 uA/step]

2211	[Set LD Power]		
	Sets the LD power for each laser unit. These settings are activated only when the setting of SP3-600-001 is set to "0: FIXED".		
2-211-001	K	ENG	[10 to 180 / 100 / 1%/step]
2-211-002	C	ENG	
2-211-003	M	ENG	
2-211-004	Y	ENG	

2212	[Set Dev DC]		
	Sets the DC bias of the development unit. These settings are activated only when the setting of SP3-600-001 is set to "0: FIXED".		
2-212-001	K	ENG	[200 to 900 / 350 / 1 -V/step]
2-212-002	C	ENG	
2-212-003	M	ENG	
2-212-004	Y	ENG	

2220	[Chg Cleaning Setting]		
	Adjusts the settings of the charger cleaning unit.		
2-220-001	Execution Setting	ENG	[0 to 4 / 1 / 1/step] 0: No Operation 1: Process Ctl 2: Interval 3: Power On & Process Ctl 4: Power On & Interval

	<p>0): No cleaning operation. Cleaning is done only when the manual charger cleaning is executed with SP2-222-001 to -004.</p> <p>1): Cleaning operation at process control execution after the prescribed pages (SP 2-220-002 to -005) have been printed.</p> <p>2): Cleaning operation at job end after the prescribed pages (SP 2-220-002 to -005) have been printed.</p> <p>3): Cleaning operation after power-on in the prescribed condition (SP2-220-015), recovery from the energy saver or the prescribed pages (SP 2-220-002 to -005) have been printed.</p> <p>4): Cleaning operation after power-on in the prescribed condition (SP2-220-015), recovery from the energy saver or a job end after the prescribed pages (SP 2-220-002 to -005) have been printed.</p>		
2-220-002	Paper Int Setting: K	ENG	<p>[100 to 100000 / 3000 / 100 page/step]</p> <p>Sets the cleaning interval for each color.</p>
2-220-003	Paper Int Setting: C	ENG	
2-220-004	Paper Int Setting: M	ENG	
2-220-005	Paper Int Setting: Y	ENG	
2-220-006	Page Counter: K	ENG	<p>[0 to 800000 / 0 / 1 page/step]</p> <p>Displays the page counter after the charger cleaning execution.</p>
2-220-007	Page Counter: C	ENG	
2-220-008	Page Counter: M	ENG	
2-220-009	Page Counter: Y	ENG	
2-220-010	Counter Clear: K	ENG	
2-220-011	Counter Clear: C	ENG	<p>Clears the page counter for the charger cleaning unit.</p>
2-220-012	Counter Clear: M	ENG	
2-220-013	Counter Clear: Y	ENG	
2-220-014	Environmental Condition: Power On	ENG	<p>Displays the condition at power-on.</p>
2-220-015	Env Condition Set: Power On	ENG	<p>[1 to 6 / 6 / 1/step]</p> <p>1: LLL, 2: LL, 3: ML, 4: MM, 5: MH, 6: HH</p> <p>Sets the condition for the charger cleaning execution.</p>

2-220-016	Humidity Setting: Thresh1	ENG	[0 to 63.00 / 2.5 / 0.01 g/m ³ /step] Adjust the threshold 1 between LLL and LL condition.
2-220-017	Humidity Setting: Thresh2	ENG	[0 to 63.00 / 5 / 0.01 g/m ³ /step] Adjust the threshold 2 between LL and ML condition.
2-220-018	Humidity Setting: Thresh3	ENG	[0 to 63.00 / 8.4 / 0.01 g/m ³ /step] Adjust the threshold 3 between ML and MM condition.
2-220-019	Humidity Setting: Thresh4	ENG	[0 to 63.00 / 15 / 0.01 g/m ³ /step] Adjust the threshold 4 between MM and MH condition.
2-220-020	Humidity Setting: Thresh5	ENG	[0 to 63.00 / 24 / 0.01 g/m ³ /step] Adjust the threshold 5 between MH and HH condition.

2221	[Chg Cleaning]		
2-221-001	Cleaning Counter: K	ENG	[0 to 9999 / 0 / 1/step] Displays the charger cleaning counter for each color.
2-221-002	Cleaning Counter: C	ENG	
2-221-003	Cleaning Counter: M	ENG	
2-221-004	Cleaning Counter: Y	ENG	
2-221-005	Cleaning Counter Clear: K	ENG	Clears the execution counter of the charge cleaning for each color.
2-221-006	Cleaning Counter Clear: C	ENG	
2-221-007	Cleaning Counter Clear: M	ENG	
2-221-008	Cleaning Counter Clear: Y	ENG	

2222	[Manual Chg Cleaning]		
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2-222-001	Execution: K	ENG	Executes the manual charge cleaning for each color.
2-222-002	Execution: C	ENG	
2-222-003	Execution: M	ENG	
2-222-004	Execution: Y	ENG	
2-222-005	Execution: All Colors	ENG	

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2224	[Set QL Power]		
2-224-001	Norm PCL	ENG	[0 to 100 / 100 / 1%/step]
	Sets the power of the 1st quenching lamp in the standard speed. Value increase: Power of the 1st quenching lamp increases. Value decrease: Power of the 1st quenching lamp decreases.		
2-224-002	Norm 2ndEraseLamp	ENG	[0 to 100 / 100 / 1%/step]
	Sets the power of the 2nd quenching lamp in the standard speed. Value increase: Power of the 2nd quenching lamp increases. Value decrease: Power of the 2nd quenching lamp decreases.		
2-224-003	Low PCL	ENG	[0 to 100 / 100 / 1%/step]
	Sets the power of the 1st quenching lamp in the low speed. Value increase: Power of the 1st quenching lamp increases. Value decrease: Power of the 1st quenching lamp decreases.		
2-224-004	Low 2ndEraseLamp	ENG	[0 to 100 / 100 / 1%/step]
	Sets the power of the 2nd quenching lamp in the low speed. Value increase: Power of the 2nd quenching lamp increases. Value decrease: Power of the 2nd quenching lamp decreases.		
2-224-011	2nd Quenching Lamp: Status	ENG	[0 to 3 / 0 / 1/step] 0: Bk/FC Non-lighting 1: Bk Lighting 2: FC Lighting 3: Both Bk/FC Lighting

2-224-100	BW: 2nd Quenching Lamp ON/OFF	ENG	[0 to 1 / 1 / 1/step] 0: Off, 1: On
	Turns on or off the 2nd quenching lamp in the B/W printing.		

2225	[Drum cleaner setting]		
2-225-001	Target current_Bk	ENG	[0 to 20.0 / 5 / 0.1 uA/step]
	Sets the target current of the drum cleaning roller for black.		
2-225-002	Target current_YMC	ENG	[0 to 60.0 / 15 / 0.1 uA/step]
	Sets the target current of the drum cleaning roller for cyan, magenta and yellow.		
2-225-021	Standard Speed	ENG	[100 to 500 / Def* / 1 rpm/step] *: 230 for M238, 200 for M205
	Adjusts the speed of the drum cleaning motor in the standard speed.		
2-225-022	Low Speed	ENG	[100 to 500 / 180 / 1 rpm/step]
	Adjusts the speed of the drum cleaning motor in the low speed.		
2-225-031	Thresh Temperature 1	ENG	[0 to 50 / 17 / 1 deg/step]
	Sets the threshold temperature 1 for the drum cleaning motor.		
2-225-032	Thresh Temperature2	ENG	[0 to 50 / 37 / 1 deg/step]
	Sets the threshold temperature 1 for the drum cleaning motor.		
	Adjusts the environmental coefficient for each condition.		
2-225-041	Temperature Coefficient1	ENG	[0.5 to 2.0 / 0.7 / 0.01/step]
2-225-042	Temperature Coefficient2	ENG	[0.5 to 2.0 / 0.8 / 0.01/step]
2-225-043	Temperature Coefficient3	ENG	[0.5 to 2.0 / 0.9 / 0.01/step]
2-225-044	Temperature Coefficient4	ENG	[0.5 to 2.0 / 1.0 / 0.01/step]
2-225-045	Temperature Coefficient5	ENG	[0.5 to 2.0 / 1.1 / 0.01/step]
2-225-046	Temperature Coefficient6	ENG	[0.5 to 2.0 / 1.2 / 0.01/step]
2-225-047	Temperature Coefficient7	ENG	[0.5 to 2.0 / 1.3 / 0.01/step]

2-225-048	Temperature Coefficient8	ENG	[0.5 to 2.0 / 1.4 / 0.01/step]
2-225-049	Temperature Coefficient9	ENG	[0.5 to 2.0 / 1.5 / 0.01/step]
2-225-050	Temperature Coefficient10	ENG	[0.5 to 2.0 / 1.6 / 0.01/step]
2225	[High Cover Img: Continue Print]		
	These settings are used for preventing Medaka image (white spots) due to the high coverage image.		
2-225-051	Mode Selection	ENG	[0 to 4 / 1 / 1/step] 0: Normal speed 1: Speed up mode (Drum cleaning motor) 2: Interval mode 3: Speed up and interval mode
2-225-052	Threshold 1	ENG	[0 to 100 / 50 / 1%/step] Adjusts the threshold for SP2-225-061, -072 and -073.
2-225-053	Threshold 2	ENG	[0 to 100 / 80 / 1%/step] Adjusts the threshold for SP2-225-062, -074 and -075.
2-225-054	Threshold 3	ENG	[0 to 100 / 50 / 1%/step] Adjusts the threshold for SP2-225-063, -076 and -077.
2-225-055	Threshold 4	ENG	[0 to 100 / 80 / 1%/step] Adjusts the threshold for SP2-225--078 and -079.
2-225-061	Drum Cleaning Mtr Speed1	ENG	[0.5 to 2.0 / 1.15 / 0.01/step] Adjusts the motor speed 1 of the drum cleaning motor in the speed-up mode or speed-up and interval mode.
2-225-062	Drum Cleaning Mtr Speed2	ENG	[0.5 to 2.0 / 1.3 / 0.01/step] Adjusts the motor speed 2 of the drum cleaning motor in the speed-up mode or speed-up and interval mode.

2-225-063	Drum Cleaning Mtr Speed3	ENG	[0.5 to 2.0 / 1.4 / 0.01/step] Adjusts the motor speed 3 of the drum cleaning motor in the speed-up mode or speed-up and interval mode.
2-225-071	Thresh Pages: High Coverage Img	ENG	[1 to 99999 / 200 / 1 page/step] Adjusts the threshold for continuous print of the high coverage image.
2-225-072	Interval Pages1	ENG	[1 to 99999 / 200 / 1 page/step] Adjusts the number of pages for the next judgement of the interval mode after the interval time 1.
2-225-073	Interval Time1	ENG	[1 to 999 / 15 / 1 sec/step] Adjusts the interval time for the interval mode 1.
2-225-074	Interval Pages2	ENG	[1 to 99999 / 100 / 1 page/step] Adjusts the number of pages for the next judgment of the interval mode after the interval time 2.
2-225-075	Interval Time2	ENG	[1 to 999 / 15 / 1 sec/step] Adjusts the interval time for the interval mode 2.
2-225-076	Interval Pages3	ENG	[1 to 99999 / 100 / 1 page/step] Adjusts the number of pages for the next judgment of the interval mode after the interval time 3.
2-225-077	Interval Time3	ENG	[1 to 999 / 15 / 1 sec/step] Adjusts the interval time for the interval mode 3.
2-225-078	Interval Pages4	ENG	[1 to 99999 / 100 / 1 page/step] Adjusts the number of pages for the next judgment of the interval mode after the interval time 4

2-225-079	Interval Time4	ENG	[1 to 999 / 15 / 1 sec/step] Adjusts the interval time for the interval mode 4.
2-225-081	Thresh Temperature	ENG	[0 to 50 / 15 / 1 deg/step]
	<p>Adjusts the threshold temperature for the special cleaning mode. The machine goes into the special cleaning mode if the temperature of the machine is lower than this setting and the distance of the drum cleaning motor is higher than the setting of the SP2-225-082.</p> <p>When the machine goes into the special cleaning mode, the interval mode is executed with the drum cleaning motor speed (SP2-225-063) and the target current of the drum cleaning roller (SP2-225-083 and -084).</p>		
2-225-082	Distance : Thresh	ENG	[0 to 999999999 / Def* / 1 cm/step] *: 139000000 for M238, 147000000 for M205
<p>Adjusts the threshold distance for the special cleaning mode. The machine goes into the special cleaning mode if the rotation distance of the drum cleaning motor is more than this setting and the temperature of the machine is lower than the setting of the SP2-225-081.</p> <p>When the machine goes into the special cleaning mode, the interval mode is executed with the drum cleaning motor speed (SP2-225-063) and the target current of the drum cleaning roller (SP2-225-083 and -084).</p>			
2-225-083	Target current_Bk	ENG	[0 to 20.0 / 5 / 0.1 uA/step] Adjusts the target current of the drum cleaning roller for black in the special cleaning mode.
2-225-084	Target current_YMC	ENG	[0 to 60.0 / 15 / 0.1 uA/step] Adjusts the target current of the drum cleaning roller for cyan, magenta and yellow in the special cleaning mode.
2225	[Drum Motor Setting]		
2-225-091	Reverse Ratio	ENG	[0 to 2000 / 0 / 1/step] Adjusts the reverse time of the drum motor.

2226	<p>[Clear blurred img]</p> <p>These settings are used for preventing the blurred image due to the filming on the drum surface.</p>		
2-226-001	select clear blurred img mode	ENG	<p>[0 to 2 / 1 / 1/step]</p> <p>0: All On 1: Environment Change 2: All Off</p> <p>Selects the mode of the blurred image clear.</p> <p>0: Execution of the refresh mode 1 for the prescribed time (SP2-226-002) when the non-use time of the machine is more than the threshold time (SP 2-226-005).</p> <p>1: Execution of the refresh mode in accordance with a condition.</p> <p>2: No automatic execution</p>
2-226-002	execute time	ENG	<p>[60 to 360 / 180 / 1 sec/step]</p> <p>Adjusts the execution time of the blurred image clear.</p>
2-226-003	execute environment	ENG	<p>[0 to 100 / 13 / 1 g/m³/step]</p> <p>Displays the absolute humidity at the judgment for the blurred image clear.</p>
2-226-004	execute	ENG	<p>Executes the blurred image clear manually.</p>
2-226-005	Non-use Time	ENG	<p>[0 to 1440 / 60 / 1 min/step]</p> <p>Adjusts the threshold of the non-use time for the blurred image clear.</p>
2-226-006	Abs Humidity Disp	ENG	<p>[0 to 63 / 13 / 1 g/m³/step]</p> <p>Adjusts the threshold of the absolute humidity for the blurred image clear.</p>
2-226-007	Development Bias	ENG	<p>[0 to 200 / 50 / 1 -V/step]</p> <p>Adjusts the development bias for the blurred image clear.</p>
2-226-008	Drum Cleaning Unit: Drive On Time	ENG	<p>[1 to 360 / 1 / 1 sec/step]</p> <p>Adjusts the rotation time of the drum cleaning motor.</p>

2-226-009	Drum Cleaning Unit: Drive Off Time	ENG	[1 to 360 / 5 / 1 sec/step] Adjusts the stop time of the drum cleaning motor.
2-226-010	Abs Humidity Thresh1	ENG	[0 to 63 / 16 / 1 g/m ³ /step] Adjusts the threshold 1 of the absolute humidity for the blurred image clear.
2-226-011	Abs Humidity Thresh2	ENG	[0 to 63 / 25 / 1 g/m ³ /step] Adjusts the threshold 2 of the absolute humidity for the blurred image clear.
Adjusts the threshold of the non-use time 1, 2 or 3 for the blurred image clear.			
2-226-012	Non-use Time Thresh1	ENG	[0 to 1440 / 120 / 1 min/step]
2-226-013	Non-use Time Thresh2	ENG	[0 to 1440 / 360 / 1 min/step]
2-226-014	Non-use Time Thresh3	ENG	[0 to 1440 / 360 / 1 min/step]
Adjusts the rotation time of the drum cleaning motor for each mode (Time 1 to 4).			
2-226-015	Drive Time1	ENG	[0 to 600 / 30 / 1 sec/step]
2-226-016	Drive Time2	ENG	[0 to 600 / 60 / 1 sec/step]
2-226-017	Drive Time3	ENG	[0 to 600 / 90 / 1 sec/step]
2-226-018	Drive Time4	ENG	[0 to 600 / 60 / 1 sec/step]
2-226-019	Non-use Time: Prohibit Time	ENG	[0 to 99999999 / 0 / 1 min/step] Adjusts the no execution time for the blurred image clear. This setting is added to the setting of Non-use Time Threshold 1 to 3 (SP2-226-012, 013 and -014).
Adjusts the rotation time of the drum cleaning motor for each mode (Time 9 to 13).			
2-226-020	Drive Time9	ENG	[0 to 600 / 120 / 1 sec/step]
2-226-021	Drive Time10	ENG	[0 to 600 / 180 / 1 sec/step]
2-226-022	Drive Time11	ENG	[0 to 600 / 60 / 1 sec/step]
2-226-023	Drive Time12	ENG	[0 to 600 / 120 / 1 sec/step]

2-226-024	Drive Time13	ENG	[0 to 600 / 180 / 1 sec/step]
2-226-031	Temperature Thresh	ENG	[0 to 50 / 15 / 1 deg/step] Adjusts the threshold of the ambient temperature around the machine for the blurred image clear.
	Adjusts the threshold of the non-use time 4, 5 and 6 for the blurred image clear.		
2-226-032	Non-use Time Thresh4	ENG	[0 to 1440 / 120 / 1 min/step]
2-226-033	Non-use Time Thresh5	ENG	[0 to 1440 / 360 / 1 min/step]
2-226-034	Non-use Time Thresh6	ENG	[0 to 1440 / 600 / 1 min/step]
	Adjusts the rotation time of the drum cleaning motor for each mode (Time 5 to 8).		
2-226-035	Drive Time5	ENG	[0 to 600 / 240 / 1 sec/step]
2-226-036	Drive Time6	ENG	[0 to 600 / 240 / 1 sec/step]
2-226-037	Drive Time7	ENG	[0 to 600 / 240 / 1 sec/step]
2-226-038	Drive Time8	ENG	[0 to 600 / 240 / 1 sec/step]

2227	[Drum Inching]		
	<p>The drum surface on the closed area from other space tends to attract objects which are created by corona discharge in the low temperature or high humidity condition. This causes uneven density on outputs.</p> <p>The Drum Inching can prevent uneven density on outputs by rotating the drum a little bit if the machine does not get a job for the prescribed time.</p>		
2-227-001	Operation Setting	ENG	[0 to 1 / 1 / 1/step] 0: OFF, 1: ON Turns on or off the drum inching in the low temperature condition.
2-227-002	Temperature Thresh	ENG	[0 to 50 / 23 / 1 deg/step] Adjusts the temperature threshold for the drum inching in the low temperature condition.

2-227-003	Operation Timing	ENG	[0 to 3600 / 300 / 1 sec/step] Adjusts the interval time for the drum inching in the low temperature condition.
2-227-004	Drive Time	ENG	[100 to 1000 / 100 / 100 msec/step] Adjusts the rotation time for the drum inching in the low temperature condition.
2-227-005	Operation Time	ENG	[0 to 360 / 60 / 1 min/step] Adjusts the execution time for the drum inching in the low temperature condition.
2-227-006	Operation Setting	ENG	[0 to 1 / 1 / 1/step] 0: OFF, 1: ON Turns on or off the drum inching in the high humidity condition.
2-227-007	Humidity Thresh	ENG	[0 to 63.00 / 13 / 0.01 g/m ³ /step] Adjusts the humidity threshold for the drum inching in the high humidity condition.
2-227-008	Operation Timing	ENG	[0 to 600 / 60 / 1 sec/step] Adjusts the interval time for the drum inching in the high humidity condition.
2-227-009	Drive Time	ENG	[100 to 1000 / 100 / 100 msec/step] Adjusts the interval time for the drum inching in the high humidity condition.
2-227-010	Operation Time	ENG	[0 to 360 / 60 / 1 min/step] Adjusts the execution time for the drum inching in the high humidity condition.

2301	[Current Value: FC]		
	Displays the actual current of each ITB roller or paper transfer roller for each side of paper in FC printing.		
2-301-001	Side1: ITB: K	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-002	Side1: ITB: C	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-003	Side1: ITB: M	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-004	Side1: ITB: Y	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-006	Side1: PTR AC	ENG	[0.0 to 14.0 / 0.0 / 0.1 kV/step]
2-301-007	Side1: PTR: DC	ENG	[-400 to 0 / 0 / 1 μ A/step]
2-301-011	Side2: ITB: K	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-012	Side2: ITB: C	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-013	Side2: ITB: M	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-014	Side2: ITB: Y	ENG	[0 to 160 / 0 / 1 μ A/step]
2-301-016	Side2: PTR AC	ENG	[0.0 to 14.0 / 0.0 / 0.1 kV/step]
2-301-017	Side2: PTR: DC	ENG	[-400 to 0 / 0 / 1 μ A/step]

2302	[Current Value: BW]		
	Displays the actual current of each ITB roller or paper transfer roller for each side of paper in BW printing.		
2-302-001	Side1: ITB: K	ENG	[0 to 160 / 0 / 1 μ A/step]
2-302-006	Side1: PTR AC	ENG	[0.0 to 14.0 / 0.0 / 0.1 kV/step]
2-302-007	Side1: PTR: DC	ENG	[-400 to 0 / 0 / 1 μ A/step]
2-302-011	Side2: ITB: K	ENG	[0 to 160 / 0 / 1 μ A/step]
2-302-016	Side2: PTR AC	ENG	[0.0 to 14.0 / 0.0 / 0.1 kV/step]
2-302-017	Side2: PTR: DC	ENG	[-400 to 0 / 0 / 1 μ A/step]

2306	[Transfer Voltage Display]		
	Displays the current voltage of each ITB roller or paper transfer roller.		
2-306-001	ITB K	ENG	[0 to 8.00 / 0 / 0.01 kV/step]
2-306-002	ITB C	ENG	
2-306-003	ITB M	ENG	
2-306-004	ITB Y	ENG	
2-306-007	PTR	ENG	[0 to 14.00 / 0 / 0.01 kV/step]

2311	[Current R Level]		
	Displays the current resistance level of each ITB roller or paper transfer roller.		
2-311-001	ITB K	ENG	[0 to 0 / 0 / 1/step]
2-311-002	ITB C	ENG	[0 to 0 / 0 / 1/step]
2-311-003	ITB M	ENG	[0 to 0 / 0 / 1/step]
2-311-004	ITB Y	ENG	[0 to 0 / 0 / 1/step]
2-311-007	PTR	ENG	[0 to 0 / 0 / 1/step]
2-311-008	PTR CV	ENG	[0 to 35 / 0 / 1/step]

2312	[Measured Voltage]		
	Displays the voltage of the ITB roller and paper transfer roller at executing the FB control for each color.		
2-312-001	ITB K	ENG	[0.00 to 9.00 / 0.00 / 0.01 kV/step]
2-312-002	ITB C	ENG	[0.00 to 9.00 / 0.00 / 0.01 kV/step]
2-312-003	ITB M	ENG	[0.00 to 9.00 / 0.00 / 0.01 kV/step]
2-312-004	ITB Y	ENG	[0.00 to 9.00 / 0.00 / 0.01 kV/step]
2-312-007	PTR	ENG	[0.00 to 14.00 / 0.00 / 0.01 kV/step]

2-312-015	ITB K: Environment	ENG	Displays the environmental condition at executing the FB control for the ITB roller black.
2-312-016	ITB Y: Environment	ENG	Displays the environmental condition at executing the FB control for the ITB roller yellow.
2-312-017	PTR: Environment	ENG	Displays the environmental condition at executing the FB control for the paper transfer roller.
2-312-101	ITB K: Calculation Result	ENG	[0.00 to 9.00 / 0.00 / 0.01 kV/step]
2-312-102	ITB C: Calculation Result	ENG	Displays the actual voltage of each ITB roller.
2-312-103	ITB M: Calculation Result	ENG	
2-312-104	ITB Y: Calculation Result	ENG	

2316	[Set: Int Vltg Meas]		
	Adjusts the current for each ITB roller and paper transfer roller at executing the FB control.		
2-316-001	ITB K	ENG	[0 to 150 / 50 / 0.1 uA/step]
2-316-002	ITB C	ENG	
2-316-003	ITB M	ENG	
2-316-004	ITB Y	ENG	
2-316-011	PTR	ENG	[-400 to 0 / -115 / 1 uA/step]

2318	[Current Age Division]		
	<p>Displays the correction division of each ITB roller and paper transfer roller for each color and print mode to compensate for the developer aging.</p> <p>0: Division 1 = 100% of correction coefficient for each ITB roller and paper transfer roller is applied to the supplied current.</p> <p>1: Division 2 = The correction coefficient 1 (SP2-441 to -448-001, -011, -021, -031, -041, and -051) is applied to the current for each ITB roller and paper transfer roller.</p> <p>2: Division 3 = The correction coefficient 2 (SP2-441 to -448-002, -012, -022, -032, -042, -052) is applied to the current for each ITB roller and paper transfer roller.</p> <p>3: Division 3 = The correction coefficient 2 (SP2-441 to -448-003, -013, -023, -033, -043, -053) is applied to the current for each ITB roller and paper transfer roller.</p>		
2-318-001	ITB K	ENG	[0 to 3 / 0 / 1/step]
2-318-002	ITB C	ENG	[0 to 3 / 0 / 1/step]
2-318-003	ITB M	ENG	[0 to 3 / 0 / 1/step]
2-318-004	ITB Y	ENG	[0 to 3 / 0 / 1/step]
2-318-007	PTR: BW	ENG	[0 to 3 / 0 / 1/step]
2-318-008	PTR: FC	ENG	[0 to 3 / 0 / 1/step]

2319	[Age Thresh:Set]		
	Adjusts the page interval or threshold for the developer aging correction.		
2-319-001	Execute Interval1	ENG	[0 to 900000 / 200 / 1 page/step]
2-319-002	Execute Interval2	ENG	[0 to 900000 / 1000 / 1 page/step]
2-319-003	Execute Interval3	ENG	[0 to 900000 / 2000 / 1 page/step]
2-319-004	Counter Thresh1	ENG	[0 to 900000 / 10000 / 1 page/step]
2-319-005	Counter Thresh2	ENG	[0 to 900000 / 50000 / 1 page/step]

2-319-006	Counter	ENG	[0 to 99999999 / 0 / 1 page/step] Displays the counter for the developer aging correction. This counter is cleared when the developer aging correction is executed.
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2321	[Set:R Thresh:LLL]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the LLL condition.		
2-321-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-321-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]
2-321-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 5 / 0.01 kV/step]
2-321-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 5.7 / 0.01 kV/step]
2-321-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 9.5 / 0.01 kV/step]
2-321-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 1.8 / 0.01 kV/step]
2-321-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 2.4 / 0.01 kV/step]
2-321-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-321-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]
2-321-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]

2322	[Set:R Thresh:LL]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the LL condition.		
2-322-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-322-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]

2-322-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 5 / 0.01 kV/step]
2-322-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 5.7 / 0.01 kV/step]
2-322-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 9.5 / 0.01 kV/step]
2-322-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 1.5 / 0.01 kV/step]
2-322-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 1.95 / 0.01 kV/step]
2-322-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-322-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]
2-322-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]

2323	[Set:R Thresh:ML]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the ML condition.		
2-323-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-323-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]
2-323-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 7.2 / 0.01 kV/step]
2-323-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 7.5 / 0.01 kV/step]
2-323-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 7.8 / 0.01 kV/step]
2-323-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 1.2 / 0.01 kV/step]
2-323-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 1.55 / 0.01 kV/step]
2-323-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-323-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]

2-323-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]
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2324	[Set:R Thresh:MM]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the MM condition.		
2-324-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-324-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]
2-324-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 7.2 / 0.01 kV/step]
2-324-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 7.5 / 0.01 kV/step]
2-324-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 7.8 / 0.01 kV/step]
2-324-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 0.9 / 0.01 kV/step]
2-324-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 1.15 / 0.01 kV/step]
2-324-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-324-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]
2-324-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]

2325	[Set:R Thresh:MH]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the MH condition.		
2-325-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-325-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]
2-325-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 7.2 / 0.01 kV/step]
2-325-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 7.5 / 0.01 kV/step]

2-325-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 7.8 / 0.01 kV/step]
2-325-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 0.5 / 0.01 kV/step]
2-325-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 0.65 / 0.01 kV/step]
2-325-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-325-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]
2-325-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]

2326	[Set:R Thresh:HH]		
	Sets the threshold for the resistance division of the ITB roller or paper transfer roller in the HH condition.		
2-326-001	R Thresh1:ITB	ENG	[0.00 to 10.00 / 0.8 / 0.01 kV/step]
2-326-002	R Thresh2:ITB	ENG	[0.00 to 10.00 / 1.15 / 0.01 kV/step]
2-326-003	R Thresh3:ITB	ENG	[0.00 to 10.00 / 7.2 / 0.01 kV/step]
2-326-004	R Thresh4:ITB	ENG	[0.00 to 10.00 / 7.5 / 0.01 kV/step]
2-326-005	R Thresh5:ITB	ENG	[0.00 to 10.00 / 7.8 / 0.01 kV/step]
2-326-006	R Thresh1:PTR	ENG	[0.00 to 14.00 / 0.4 / 0.01 kV/step]
2-326-007	R Thresh2:PTR	ENG	[0.00 to 14.00 / 0.52 / 0.01 kV/step]
2-326-008	R Thresh3:PTR	ENG	[0.00 to 14.00 / 13.2 / 0.01 kV/step]
2-326-009	R Thresh4:PTR	ENG	[0.00 to 14.00 / 13.5 / 0.01 kV/step]
2-326-010	R Thresh5:PTR	ENG	[0.00 to 14.00 / 13.8 / 0.01 kV/step]

2327	[PTR CV: R Correct Thresh]		
	Sets the threshold for the CV resistance division of the paper transfer roller.		
2-327-001	Thresh 1	ENG	[0 to 14.00 / 0.4 / 0.01 kV/step]
2-327-002	Thresh 2	ENG	[0 to 14.00 / 0.45 / 0.01 kV/step]
2-327-003	Thresh 3	ENG	[0 to 14.00 / 0.49 / 0.01 kV/step]
2-327-004	Thresh 4	ENG	[0 to 14.00 / 0.54 / 0.01 kV/step]
2-327-005	Thresh 5	ENG	[0 to 14.00 / 0.58 / 0.01 kV/step]
2-327-006	Thresh 6	ENG	[0 to 14.00 / 0.64 / 0.01 kV/step]
2-327-007	Thresh 7	ENG	[0 to 14.00 / 0.7 / 0.01 kV/step]
2-327-008	Thresh 8	ENG	[0 to 14.00 / 0.76 / 0.01 kV/step]
2-327-009	Thresh 9	ENG	[0 to 14.00 / 0.83 / 0.01 kV/step]
2-327-010	Thresh 10	ENG	[0 to 14.00 / 0.9 / 0.01 kV/step]
2-327-011	Thresh 11	ENG	[0 to 14.00 / 0.99 / 0.01 kV/step]
2-327-012	Thresh 12	ENG	[0 to 14.00 / 1.08 / 0.01 kV/step]
2-327-013	Thresh 13	ENG	[0 to 14.00 / 1.17 / 0.01 kV/step]
2-327-014	Thresh 14	ENG	[0 to 14.00 / 1.28 / 0.01 kV/step]
2-327-015	Thresh 15	ENG	[0 to 14.00 / 1.40 / 0.01 kV/step]
2-327-016	Thresh 16	ENG	[0 to 14.00 / 1.53 / 0.01 kV/step]
2-327-017	Thresh 17	ENG	[0 to 14.00 / 1.67 / 0.01 kV/step]
2-327-018	Thresh 18	ENG	[0 to 14.00 / 1.82 / 0.01 kV/step]
2-327-019	Thresh 19	ENG	[0 to 14.00 / 1.98 / 0.01 kV/step]
2-327-020	Thresh 20	ENG	[0 to 14.00 / 2.17 / 0.01 kV/step]
2-327-021	Thresh 21	ENG	[0 to 14.00 / 2.36 / 0.01 kV/step]
2-327-022	Thresh 22	ENG	[0 to 14.00 / 2.58 / 0.01 kV/step]
2-327-023	Thresh 23	ENG	[0 to 14.00 / 2.82 / 0.01 kV/step]
2-327-024	Thresh 24	ENG	[0 to 14.00 / 3.07 / 0.01 kV/step]

2-327-025	Thresh 25	ENG	[0 to 14.00 / 3.35 / 0.01 kV/step]
2-327-026	Thresh 26	ENG	[0 to 14.00 / 3.66 / 0.01 kV/step]
2-327-027	Thresh 27	ENG	[0 to 14.00 / 3.99 / 0.01 kV/step]
2-327-028	Thresh 28	ENG	[0 to 14.00 / 4.36 / 0.01 kV/step]
2-327-029	Thresh 29	ENG	[0 to 14.00 / 4.76 / 0.01 kV/step]
2-327-030	Thresh 30	ENG	[0 to 14.00 / 5.19 / 0.01 kV/step]
2-327-031	Thresh 31	ENG	[0 to 14.00 / 5.67 / 0.01 kV/step]
2-327-032	Thresh 32	ENG	[0 to 14.00 / 6.18 / 0.01 kV/step]
2-327-033	Thresh 33	ENG	[0 to 14.00 / 6.75 / 0.01 kV/step]
2-327-034	Thresh 34	ENG	[0 to 14.00 / 7.36 / 0.01 kV/step]

2331	[Age Correct: Delta M/A Thresh]		
	Sets the M/A threshold of each ITB roller or paper transfer roller for the developer aging correction.		
2-331-001	ITB K	ENG	[0 to 1.00 / 0.07 / 0.01 mg/cm ² /step]
2-331-002	ITB C	ENG	[0 to 1.00 / 0.1 / 0.01 mg/cm ² /step]
2-331-003	ITB M	ENG	[0 to 1.00 / 0.1 / 0.01 mg/cm ² /step]
2-331-004	ITB Y	ENG	[0 to 1.00 / 0.1 / 0.01 mg/cm ² /step]
2-331-007	PTR: BW	ENG	[0 to 1.00 / 0.1 / 0.01 mg/cm ² /step]
2-331-008	PTR: FC	ENG	[0 to 1.00 / 0.1 / 0.01 mg/cm ² /step]

2340	[Transfer: Bias Limiter]		
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2-340-001	Coefficient Selection	ENG	[0 to 3 / 1 / 1/step]
	Selects the target units for the limit voltage control. 0: All (ITB and PTR) Off 1: All (ITB and PTR) On 2: ITB Coeff: Off 3: PTR Coeff: Off		

2341	[Transfer: Bias Limiter]		
2-341-001	ITB	ENG	[0 to 8000 / 5500 / 10 V/step] Adjusts the limit voltage for the ITB roller.
2-341-002	PTR	ENG	[0 to 14000 / 9500 / 10 -V/step] Adjusts the limit voltage for the paper transfer roller.
2-341-011	Control Interval	ENG	[10 to 1000 / 20 / 1 msec/step] Adjusts the interval of the limit voltage control.

2361	[ITB Cleaning Roller: Current]		
Displays the current of each roller in the ITB cleaning unit.			
2-361-001	Brush Roller 2	ENG	[0 to 160 / 0 / 1 uA/step]
2-361-002	Collection Roller 2	ENG	
2-361-003	Brush Roller 1	ENG	
2-361-004	Collection Roller 1	ENG	
2-361-005	Brush Roller 3	ENG	
2-361-006	Collection Roller 3	ENG	

2362	[ITB Cln R Adj Result: Volt: BW]		
Displays the voltage of each roller in the ITB cleaning unit at the BW printing mode.			

2-362-001	Brush Roller 2: Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-362-002	Collection Roller 2: Residual Toner	ENG	
2-362-003	Brush Roller 1: Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-362-004	Collection Roller 1: Residual Toner	ENG	
2-362-005	Brush Roller 3: Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-362-006	Collection Roller 3: Residual Toner	ENG	

2363	[ITB Cln R Adj Result: Volt: FC]		
	Displays the voltage of each roller in the ITB cleaning unit at the FC printing mode.		
2-363-001	Brush Roller 2: Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-363-002	Collection Roller 2: Residual Toner	ENG	
2-363-003	Brush Roller 1: Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-363-004	Collection Roller 1: Residual Toner	ENG	
2-363-005	Brush Roller 3: Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-363-006	Collection Roller 3: Residual Toner	ENG	

2364	[ITB ClnR Adj Result: Crrnt: BW]		
	Displays the current of each roller in the ITB cleaning unit at the BW printing mode.		
2-364-001	Brush Roller 2: Residual Toner	ENG	[0 to 160 / 0 / 1 uA/step]
2-364-002	Collection Roller 2: Residual Toner	ENG	
2-364-003	Brush Roller 1: Residual Toner	ENG	[-160 to 0 / 0 / 1 uA/step]
2-364-004	Collection Roller 1: Residual Toner	ENG	

2-364-005	Brush Roller 3: Residual Toner	ENG	[0 to 160 / 0 / 1 μ A/step]
2-364-006	Collection Roller 3: Residual Toner	ENG	

2365	[ITB ClnR Adj Result: Crrnt: FC]		
	Displays the current of each roller in the ITB cleaning unit at the FC printing mode.		
2-365-001	Brush Roller 2: Residual Toner	ENG	[0 to 160 / 0 / 1 μ A/step]
2-365-002	Collection Roller 2: Residual Toner	ENG	
2-365-003	Brush Roller 1: Residual Toner	ENG	[-160 to 0 / 0 / 1 μ A/step]
2-365-004	Collection Roller 1: Residual Toner	ENG	
2-365-005	Brush Roller 3: Residual Toner	ENG	[0 to 160 / 0 / 1 μ A/step]
2-365-006	Collection Roller 3: Residual Toner	ENG	

2371	[ITB Cln R Adj Result: Volt: BW]		
	Stores and displays the voltage of each roller in the ITB cleaning unit for the previous ITB cleaning in the BW printing mode. The voltage of the previous ITB cleaning is stored in each condition, and then used if the condition of the machine is similar to the stored condition in each SP code.		
2-371-001	LLL: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-003	LLL: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-371-005	LLL: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-011	LL: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-013	LL: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]

2-371-015	LL: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-021	ML: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-023	ML: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-371-025	ML: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-031	MM: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-033	MM: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-371-035	MM: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-041	MH: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-043	MH: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-371-045	MH: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-051	HH: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-371-053	HH: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-371-055	HH: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]

2372	[ITB Cln R Adj Result: Volt: FC]
	Stores and displays the voltage of each roller in the ITB cleaning unit for the previous ITB cleaning in the FC printing mode. The voltage of the previous ITB cleaning is stored in each condition, and then used if the condition of the machine is similar to the stored condition in each SP code.

2-372-001	LLL: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-003	LLL: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-005	LLL: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-011	LL: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-013	LL: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-015	LL: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-021	ML: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-023	ML: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-025	ML: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-031	MM: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-033	MM: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-035	MM: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-041	MH: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-043	MH: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-045	MH: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]
2-372-051	HH: Brush Roll 2 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]

2-372-053	HH: Brush Roll 1 (Prev): Residual Toner	ENG	[-8000 to 0 / 0 / 1 V/step]
2-372-055	HH: Brush Roll 3 (Prev): Residual Toner	ENG	[0 to 8000 / 0 / 1 V/step]

2401	[Set: ITB K: Speed Coeff]		
	Adjusts the standard speed of the ITB motor for each mode in the BW printing mode. Non Img 1: Non image area during the printing Non Img 2: Non image area during the toner refresh mode Process Control: Speed at the process control and MUSIC execution		
	2-401-001	Std Speed: FC	ENG
	2-401-002	Std Speed: BW	ENG
	2-401-003	Std Speed: Non Img 1	ENG
	2-401-004	Std Speed: Non Img 2	ENG
2-401-005	Std Speed: Process Control	ENG	[10 to 200 / Def* / 0.1%/step] *: 100 for M238, 80 for M205

2403	[Set: ITB K: Speed Coeff]		
	Adjusts the low speed of the ITB motor for each mode in the BW printing mode. Non Img 1: Non image area during the printing Non Img 2: Non image area during the toner refresh mode Process Control: Speed at the process control and MUSIC execution		
	2-403-001	Low Speed: FC	ENG
	2-403-002	Low Speed: BW	ENG
	2-403-003	Low Speed: Non Img 1	ENG
	2-403-004	Low Speed: Non Img 2	ENG
2-403-005	Low Speed: Process Control	ENG	[10 to 200 / 60 / 0.1%/step]

2411	[Set: ITB Col: Speed Coeff]		
	Adjusts the standard speed of the ITB motor for each mode in the FC printing mode. Non lmg 1: Non image area during the printing Non lmg 2: Non image area during the toner refresh mode Process Control: Speed at the process control and MUSIC execution		
	2-411-001	Std Speed: FC	ENG
	2-411-003	Std Speed: Non lmg 1	ENG
	2-411-004	Std Speed: Non lmg 2	ENG
2-411-005	Std Speed: Process Control	ENG	[10 to 200 / Def* / 0.1%/step] *: 100 for M238, 80 for M205

2413	[Set: ITB Col: Speed Coeff]		
	Adjusts the low speed of the ITB motor for each mode in the FC printing mode. Non lmg 1: Non image area during the printing Non lmg 2: Non image area during the toner refresh mode Process Control: Speed at the process control and MUSIC execution		
	2-413-001	Low Speed: FC	ENG
	2-413-003	Low Speed: Non lmg 1	ENG
	2-413-004	Low Speed: Non lmg 2	ENG
2-413-005	Low Speed: Process Control	ENG	[10 to 200 / 60 / 0.1%/step]

2421	[Set:ITB K:Env Coeff]		
	Adjusts the correction coefficient of the transfer current for black. This setting can be set to each mode, side of paper and condition.		

2-421-001	LLL: BW: Side1	ENG	[10 to 200 / 109 / 1%/step]
2-421-002	LLL: BW: Side2	ENG	
2-421-003	LLL: FC: Side1	ENG	
2-421-004	LLL: FC: Side2	ENG	
2-421-005	LLL: BW: Non Img 1	ENG	
2-421-006	LLL: BW: Non Img 2	ENG	
2-421-007	LLL: BW: Process Control	ENG	
2-421-008	LLL: FC: Non Img 1	ENG	
2-421-009	LLL: FC: Non Img 2	ENG	
2-421-010	LLL: FC: Process Control	ENG	
2-421-011	LL: BW: Side1	ENG	[10 to 200 / 109 / 1%/step]
2-421-012	LL: BW: Side2	ENG	
2-421-013	LL: FC: Side 1	ENG	
2-421-014	LL: FC: Side2	ENG	
2-421-015	LL: BW: Non Img 1	ENG	
2-421-016	LL: BW: Non Img 2	ENG	
2-421-017	LL: BW: Process Control	ENG	
2-421-018	LL: FC: Non Img 1	ENG	
2-421-019	LL: FC: Non Img 2	ENG	
2-421-020	LL: FC: Process Control	ENG	

2-421-021	ML: BW: Side1	ENG	[10 to 200 / 100 / 1%/step]
2-421-022	ML: BW: Side2	ENG	
2-421-023	ML: FC: Side1	ENG	
2-421-024	ML: FC: Side2	ENG	
2-421-025	ML: BW: Non Img 1	ENG	
2-421-026	ML: BW: Non Img 2	ENG	
2-421-027	ML: BW: Process Control	ENG	
2-421-028	ML: FC: Non Img 1	ENG	
2-421-029	ML: FC: Non Img 2	ENG	
2-421-030	ML: FC: Process Control	ENG	
2-421-031	MM: BW: Side1	ENG	[10 to 200 / 100 / 1%/step]
2-421-032	MM: BW: Side2	ENG	
2-421-033	MM: FC: Side1	ENG	
2-421-034	MM: FC: Side2	ENG	
2-421-035	MM: BW: Non Img 1	ENG	
2-421-036	MM: BW: Non Img 2	ENG	
2-421-037	MM: BW: Process Control	ENG	
2-421-038	MM: FC: Non Img 1	ENG	
2-421-039	MM: FC: Non Img 2	ENG	
2-421-040	MM: FC: Process Control	ENG	
2-421-041	MH: BW: Side1	ENG	[10 to 200 / 92 / 1%/step]
2-421-042	MH: BW: Side2	ENG	
2-421-043	MH: FC: Side1	ENG	[10 to 200 / 117 / 1%/step]
2-421-044	MH: FC: Side2	ENG	

2-421-045	MH: BW: Non Img 1	ENG	[10 to 200 / 92 / 1%/step]
2-421-046	MH: BW: Non Img 2	ENG	
2-421-047	MH: BW: Process Control	ENG	
2-421-048	MH: FC: Non Img 1	ENG	[10 to 200 / 117 / 1%/step]
2-421-049	MH: FC: Non Img 2	ENG	
2-421-050	MH: FC: Process Control	ENG	
2-421-051	HH: BW: Side1	ENG	[10 to 200 / 92 / 1%/step]
2-421-052	HH: BW: Side2	ENG	
2-421-053	HH: FC: Side 1	ENG	[10 to 200 / 117 / 1%/step]
2-421-054	HH: FC: Side2	ENG	
2-421-055	HH: BW: Non Img 1	ENG	[10 to 200 / 92 / 1%/step]
2-421-056	HH: BW: Non Img 2	ENG	
2-421-057	HH: BW: Process Control	ENG	
2-421-058	HH: FC: Non Img 1	ENG	[10 to 200 / 117 / 1%/step]
2-421-059	HH: FC: Non Img 2	ENG	
2-421-060	HH: FC: Process Control	ENG	

2425	[Set:ITB C:Env Coeff]
2426	[Set:ITB M:Env Coeff]
2427	[Set:ITB Y:Env Coeff]
	Adjusts the correction coefficient of the transfer current for cyan, magenta or yellow. This setting can be set to each mode, side of paper and condition.

001	LLL: FC: Side1	ENG	[10 to 200 / 109 / 1%/step]
002	LLL: FC: Side2	ENG	
003	LLL: FC: Non Img 1	ENG	
004	LLL: FC: Non Img 2	ENG	
005	LLL: FC: Process Control	ENG	
011	LL: FC: Side 1	ENG	[10 to 200 / 109 / 1%/step]
012	LL: FC: Side2	ENG	
013	LL: FC: Non Img 1	ENG	
014	LL: FC: Non Img 2	ENG	
015	LL: FC: Process Control	ENG	
021	ML: FC: Side1	ENG	[10 to 200 / 100 / 1%/step]
022	ML: FC: Side2	ENG	
023	ML: FC: Non Img 1	ENG	
024	ML: FC: Non Img 2	ENG	
025	ML: FC: Process Control	ENG	
031	MM: FC: Side1	ENG	[10 to 200 / 100 / 1%/step]
032	MM: FC: Side2	ENG	
033	MM: FC: Non Img 1	ENG	
034	MM: FC: Non Img 2	ENG	
035	MM: FC: Process Control	ENG	
041	MH: FC: Side1	ENG	[10 to 200 / 75 / 1%/step]
042	MH: FC: Side2	ENG	
043	MH: FC: Non Img 1	ENG	
044	MH: FC: Non Img 2	ENG	
045	MH: FC: Process Control	ENG	

051	HH: FC: Side 1	ENG	[10 to 200 / 75 / 1%/step]
052	HH: FC: Side2	ENG	
053	HH: FC: Non Img 1	ENG	
054	HH: FC: Non Img 2	ENG	
055	HH: FC: Process Control	ENG	

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2431	[Ser:ITB K:R Coeff]		
	Adjusts the correction coefficient of the ITB roller black for each resistance correction division.		
2-431-001	R-2	ENG	[50 to 250 / 100 / 1%/step]
2-431-002	R-1	ENG	
2-431-003	R0	ENG	
2-431-004	R+1	ENG	
2-431-005	R+2	ENG	[50 to 250 / 92 / 1%/step]
2-431-006	R+3	ENG	[50 to 250 / 92 / 1%/step]

2432	[Ser:ITB Col:R Coeff]		
	Adjusts the correction coefficient of the ITB roller color (cyan, magenta, and yellow) for each resistance correction division.		
2-432-001	R-2	ENG	[50 to 250 / 100 / 1%/step]
2-432-002	R-1	ENG	
2-432-003	R0	ENG	
2-432-004	R+1	ENG	
2-432-005	R+2	ENG	
2-432-006	R+3	ENG	

2433	[ITB Pro Con:R Coeff]		
	Adjusts the correction coefficient of the ITB rollers at executing the process control for each resistance correction division.		
2-433-001	R-2	ENG	[50 to 250 / 100 / 1%/step]
2-433-002	R-1	ENG	
2-433-003	R0	ENG	
2-433-004	R+1	ENG	
2-433-005	R+2	ENG	
2-433-006	R+3	ENG	

2441	[ITB K:Age Coeff]		
	Adjust the aging correction coefficient of the ITB roller black for each division and condition.		
2-441-001	Age Division1:LLL	ENG	[10 to 200 / 100 / 1%/step]
2-441-002	Age Division2:LLL	ENG	
2-441-003	Age Division3:LLL	ENG	
2-441-011	Age Division1:LL	ENG	[10 to 200 / 100 / 1%/step]
2-441-012	Age Division2:LL	ENG	
2-441-013	Age Division3:LL	ENG	
2-441-021	Age Division1:ML	ENG	[10 to 200 / 100 / 1%/step]
2-441-022	Age Division2:ML	ENG	
2-441-023	Age Division3:ML	ENG	
2-441-031	Age Division1:MM	ENG	[10 to 200 / 100 / 1%/step]
2-441-032	Age Division2:MM	ENG	
2-441-033	Age Division3:MM	ENG	

2-441-041	Age Division1:MH	ENG	[10 to 200 / 100 / 1%/step]
2-441-042	Age Division2:MH	ENG	
2-441-043	Age Division3:MH	ENG	
2-441-051	Age Division1:HH	ENG	[10 to 200 / 100 / 1%/step]
2-441-052	Age Division2:HH	ENG	
2-441-053	Age Division3:HH	ENG	

2442	[ITB C:Age Coeff]		
2443	[ITB M:Age Coeff]		
2444	[ITB Y:Age Coeff]		
	Adjust the aging correction coefficient of the ITB roller cyan, magenta, or yellow for each division and condition.		
001	Age Division1:LLL	ENG	[10 to 200 / 100 / 1%/step]
002	Age Division2:LLL	ENG	
003	Age Division3:LLL	ENG	
011	Age Division1:LL	ENG	[10 to 200 / 100 / 1%/step]
012	Age Division2:LL	ENG	
013	Age Division3:LL	ENG	
021	Age Division1:ML	ENG	[10 to 200 / 100 / 1%/step]
022	Age Division2:ML	ENG	
023	Age Division3:ML	ENG	
031	Age Division1:MM	ENG	[10 to 200 / 100 / 1%/step]
032	Age Division2:MM	ENG	
033	Age Division3:MM	ENG	

041	Age Division1:MH	ENG	[10 to 200 / 100 / 1%/step]
042	Age Division2:MH	ENG	
043	Age Division3:MH	ENG	
051	Age Division1:HH	ENG	[10 to 200 / 100 / 1%/step]
052	Age Division2:HH	ENG	
053	Age Division3:HH	ENG	

2447	[PTR BW:Age Coeff]		
	Adjust the aging correction coefficient of the paper transfer roller in the BW printing mode for each division and condition.		
2-447-001	Age Division1:LLL	ENG	[10 to 200 / 100 / 1%/step]
2-447-002	Age Division2:LLL	ENG	
2-447-003	Age Division3:LLL	ENG	
2-447-011	Age Division1:LL	ENG	[10 to 200 / 100 / 1%/step]
2-447-012	Age Division2:LL	ENG	
2-447-013	Age Division3:LL	ENG	
2-447-021	Age Division1:ML	ENG	[10 to 200 / 100 / 1%/step]
2-447-022	Age Division2:ML	ENG	
2-447-023	Age Division3:ML	ENG	
2-447-031	Age Division1:MM	ENG	[10 to 200 / 100 / 1%/step]
2-447-032	Age Division2:MM	ENG	
2-447-033	Age Division3:MM	ENG	
2-447-041	Age Division1:MH	ENG	[10 to 200 / 100 / 1%/step]
2-447-042	Age Division2:MH	ENG	
2-447-043	Age Division3:MH	ENG	

2-447-051	Age Division1:HH	ENG	[10 to 200 / 100 / 1%/step]
2-447-052	Age Division2:HH	ENG	
2-447-053	Age Division3:HH	ENG	

2448	[PTR FC:Age Coeff]		
	Adjust the aging correction coefficient of the paper transfer roller in the FC printing mode for each division and condition.		
2-448-001	Age Division1:LLL	ENG	[10 to 200 / 100 / 1%/step]
2-448-002	Age Division2:LLL	ENG	
2-448-003	Age Division3:LLL	ENG	
2-448-011	Age Division1:LL	ENG	[10 to 200 / 100 / 1%/step]
2-448-012	Age Division2:LL	ENG	
2-448-013	Age Division3:LL	ENG	
2-448-021	Age Division1:ML	ENG	[10 to 200 / 100 / 1%/step]
2-448-022	Age Division2:ML	ENG	
2-448-023	Age Division3:ML	ENG	
2-448-031	Age Division1:MM	ENG	[10 to 200 / 100 / 1%/step]
2-448-032	Age Division2:MM	ENG	
2-448-033	Age Division3:MM	ENG	
2-448-041	Age Division1:MH	ENG	[10 to 200 / 100 / 1%/step]
2-448-042	Age Division2:MH	ENG	
2-448-043	Age Division3:MH	ENG	
2-448-051	Age Division1:HH	ENG	[10 to 200 / 100 / 1%/step]
2-448-052	Age Division2:HH	ENG	
2-448-053	Age Division3:HH	ENG	

Group 2000 (3/4)

SP2-450 to -750 (Drum)

2450	[Set:ITB K: Non Img]		
	Adjusts the current of the ITB roller black in the FC or BW printing mode for the non image area or executing the process control.		
2-450-001	FC: Non Img 1	ENG	[0 to 150 / 60 / 1 uA/step]
2-450-002	FC: Non Img 2	ENG	[0 to 150 / 60 / 1 uA/step]
2-450-003	FC: Process Control	ENG	[0 to 150 / 60 / 1 uA/step]
2-450-011	BW: Non Img 1	ENG	[0 to 150 / 60 / 1 uA/step]
2-450-012	BW: Non Img 2	ENG	[0 to 150 / 60 / 1 uA/step]
2-450-013	BW: Process Control	ENG	[0 to 150 / 60 / 1 uA/step]

2451	[Set:ITB K:Standard: FC]		
2452	[Set:ITB K:Standard: BW]		
	Adjusts the standard current of the ITB roller black in the FC or BW printing mode for each paper type and weight.		
001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
081	Magnet	ENG	[0 to 150 / 60 / 1 uA/step]

2453	[Set:ITB K: L Edge Coeff]		
	Adjusts the leading edge current coefficient of the ITB roller black in the FC or BW printing mode for each paper type and weight.		
2-453-001 to 009	Plain: Weight 1: FC – Weight 9: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-011 to 019	Coated: Glossy: Weight 1: FC – Weight 9: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-021 to 029	Coated: Matte: Weight 1: FC – Weight 9: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-031 to 039	Embossed: Weight 1: FC – Weight 9: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-055	OHP: Weight 5: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-061	Tracing: Weight 1: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-075 to 077	Envelope: Weight 5: FC – Weight 7: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-081	Magnet: FC	ENG	[5 to 255 / 100 / 1%/step]
2-453-101 to 109	Plain: Weight 1: BW – Weight 9: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-111 to 119	Coated: Glossy: Weight 1: BW – Weight 9: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-121 to 129	Coated: Matte: Weight 1: BW – Weight 9: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-131 to 139	Embossed: Weight 1: BW – Weight 9: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-155	OHP: Weight 5: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-161	Tracing: Weight 1: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-175 to 177	Envelope: Weight 5: BW – Weight 7: BW	ENG	[5 to 255 / 100 / 1%/step]
2-453-181	Magnet: BW	ENG	[5 to 255 / 100 / 1%/step]

2454	[Set:ITB K: L Edge Length]		
	Adjusts the leading edge switching length of the ITB roller black in the FC or BW printing mode for each paper type and weight.		
2-454-001 to 009	Plain: Weight 1: FC – Weight 9: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-011 to 019	Coated: Glossy: Weight 1: FC – Weight 9: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-021 to 029	Coated: Matte: Weight 1: FC – Weight 9: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-031 to 039	Embossed: Weight 1: FC – Weight 9: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-055	OHP: Weight 5: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-061	Tracing: Weight 1: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-075 to 077	Envelope: Weight 5: FC – Weight 7: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-081	Magnet: FC	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-101 to 109	Plain: Weight 1: BW – Weight 9: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-111 to 119	Coated: Glossy: Weight 1: BW – Weight 9: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-121 to 129	Coated: Matte: Weight 1: BW – Weight 9: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-131 to 139	Embossed: Weight 1: BW – Weight 9: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-155	OHP: Weight 5: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-161	Tracing: Weight 1: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-175 to 177	Envelope: Weight 5: BW – Weight 7: BW	ENG	[0 to 30 / 11 / 1 mm/step]
2-454-181	Magnet: BW	ENG	[0 to 30 / 11 / 1 mm/step]

2460	[Set:ITB C: Non Img]		
	Adjusts the current of the ITB roller cyan in the FC or BW printing mode for the non image area or executing the process control.		
2-460-001	Non Image 1	ENG	[0 to 150 / 60 / 1 uA/step]
2-460-002	Non Image 2	ENG	[0 to 150 / 60 / 1 uA/step]
2-460-003	Process Control	ENG	[0 to 150 / 60 / 1 uA/step]

2461	[Set:ITB C:Standard: FC]		
	Adjusts the standard current of the ITB roller cyan in the FC or BW printing mode for each paper type and weight.		
2-461-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-461-081	Magnet	ENG	[0 to 150 / 60 / 1 uA/step]

2463	[Set:ITB C: L Edge Coeff: FC]		
	Adjusts the leading edge current coefficient of the ITB roller cyan in the FC or BW printing mode for each paper type and weight.		
2-463-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]

2-463-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-463-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-463-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-463-055	OHP:Weight 5	ENG	[5 to 255 / 100 / 1%/step]
2-463-061	Tracing:Weight 1	ENG	[5 to 255 / 100 / 1%/step]
2-463-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[5 to 255 / 100 / 1%/step]
2-463-081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2464	[Set:ITB C: L Edge Length: FC]		
	Adjusts the leading edge switching length of the ITB roller cyan in the FC or BW printing mode for each paper type and weight.		
2-464-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-055	OHP:Weight 5	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-061	Tracing:Weight 1	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[0 to 30 / 11 / 1 mm/step]
2-464-081	Magnet	ENG	[0 to 30 / 11 / 1 mm/step]

2470	[Set:ITB M: Non Img]		
	Adjusts the current of the ITB roller magenta in the FC or BW printing mode for the non image area or executing the process control.		
2-470-001	Non Image 1	ENG	[0 to 150 / 60 / 1uA/step]
2-470-002	Non Image2	ENG	[0 to 150 / 60 / 1uA/step]
2-470-003	Process Control	ENG	[0 to 150 / 60 / 1uA/step]

2471	[Set:ITB M:Standard: FC]		
	Adjusts the standard current of the ITB roller magenta in the FC or BW printing mode for each paper type and weight.		
2-471- 001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-471- 081	Magnet	ENG	[0 to 150 / 60 / 1 uA/step]

2473	[Set:ITB M: L Edge Coeff: FC]		
	Adjusts the leading edge current coefficient of the ITB roller magenta in the FC or BW printing mode for each paper type and weight.		
2-473-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]

2-473-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-473-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-473-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-473-055	OHP:Weight 5	ENG	[5 to 255 / 100 / 1%/step]
2-473-061	Tracing:Weight 1	ENG	[5 to 255 / 100 / 1%/step]
2-473-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[5 to 255 / 100 / 1%/step]
2-473-081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2474	[Set:ITB M: L Edge Length: FC]		
	Adjusts the leading edge switching length of the ITB roller magenta in the FC or BW printing mode for each paper type and weight.		
2-474-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-055	OHP:Weight 5	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-061	Tracing:Weight 1	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[0 to 30 / 11 / 1 mm/step]
2-474-081	Magnet	ENG	[0 to 30 / 11 / 1 mm/step]

2480	[Set:ITB Y: Non Img]		
	Adjusts the current of the ITB roller yellow in the FC or BW printing mode for the non image area or executing the process control.		
2-480-001	Non Image 1	ENG	[0 to 150 / 60 / 1 uA/step]
2-480-002	Non Image 2	ENG	[0 to 150 / 60 / 1 uA/step]
2-480-003	Process Control	ENG	[0 to 150 / 60 / 1 uA/step]

2481	[Set:ITB Y:Standard: FC]		
	Adjusts the standard current of the ITB roller yellow in the FC or BW printing mode for each paper type and weight.		
2-481-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 150 / 60 / 1 uA/step]
2-481-081	Magnet	ENG	[0 to 150 / 60 / 1 uA/step]

2483	[Set:ITB Y: L Edge Coeff: FC]		
	Adjusts the leading edge current coefficient of the ITB roller yellow in the FC or BW printing mode for each paper type and weight.		
2-483-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]

2-483-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-483-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-483-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-483-055	OHP:Weight 5	ENG	[5 to 255 / 100 / 1%/step]
2-483-061	Tracing:Weight 1	ENG	[5 to 255 / 100 / 1%/step]
2-483-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[5 to 255 / 100 / 1%/step]
2-483-081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2484	[Set:ITB Y: L Edge Length: FC]		
	Adjusts the leading edge switching length of the ITB roller yellow in the FC or BW printing mode for each paper type and weight.		
2-484-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-055	OHP:Weight 5	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-061	Tracing:Weight 1	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[0 to 30 / 11 / 1 mm/step]
2-484-081	Magnet	ENG	[0 to 30 / 11 / 1 mm/step]

2601	[Set: PTR: Speed Coeff]		
	Adjusts the current correction coefficient of the paper transfer roller for each line speed.		
2-601-001	Std Speed	ENG	[10 to 200 / Def* / 0.1%/step] *: 100 for M238, 80 for M205
2-601-003	Low Speed	ENG	[10 to 200 / 60 / 1%/step]

2611	[Set: PTR: Env Coeff]		
	Adjusts the current correction coefficient of the paper transfer roller for each condition and mode.		
2-611-007	LLL: Non Image	ENG	[10 to 200 / 105 / 1%/step]
2-611-008	LLL: Process Control	ENG	[10 to 200 / 105 / 1%/step]
2-611-009	LLL: Toner Patch	ENG	[10 to 200 / 105 / 1%/step]
2-611-010	LLL: MUSIC	ENG	[10 to 200 / 83 / 1%/step]
2-611-017	LL: Non Image	ENG	[10 to 200 / 105 / 1%/step]
2-611-018	LL: Process Control	ENG	[10 to 200 / 105 / 1%/step]
2-611-019	LL: Toner Patch	ENG	[10 to 200 / 105 / 1%/step]
2-611-020	LL: MUSIC	ENG	[10 to 200 / 83 / 1%/step]
2-611-027	ML: Non Image	ENG	[10 to 200 / 100 / 1%/step]
2-611-028	ML: Process Control	ENG	
2-611-029	ML: Toner Patch	ENG	
2-611-030	ML: MUSIC	ENG	
2-611-037	MM: Non Image	ENG	[10 to 200 / 100 / 1%/step]
2-611-038	MM: Process Control	ENG	
2-611-039	MM: Toner Patch	ENG	
2-611-040	MM: MUSIC	ENG	
2-611-047	MH: Non Image	ENG	[10 to 200 / 88 / 1%/step]

2-611-048	MH: Process Control	ENG	[10 to 200 / 88 / 1%/step]
2-611-049	MH: Toner Patch	ENG	[10 to 200 / 88 / 1%/step]
2-611-050	MH: MUSIC	ENG	[10 to 200 / 69 / 1%/step]
2-611-057	HH: Non Image	ENG	[10 to 200 / 88 / 1%/step]
2-611-058	HH: Process Control	ENG	[10 to 200 / 88 / 1%/step]
2-611-059	HH: Toner Patch	ENG	[10 to 200 / 88 / 1%/step]
2-611-060	HH: MUSIC	ENG	[10 to 200 / 69 / 1%/step]

2612	[Set: PTR: Env Coeff: LLL]		
	Adjusts the current correction coefficient of the paper transfer roller in the LLL condition for each paper type and weight.		
2-612-001	BW:Plain:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-612-002	BW:Plain:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-003	BW:Plain:Weight 3	ENG	
2-612-004	BW:Plain:Weight 4	ENG	
2-612-005	BW:Plain:Weight 5	ENG	
2-612-006	BW:Plain:Weight 6	ENG	
2-612-007	BW:Plain:Weight 7	ENG	
2-612-008	BW:Plain:Weight 8	ENG	
2-612-009	BW:Plain:Weight 9	ENG	
2-612-011	BW:Coated: Glossy:Weight 1	ENG	[10 to 200 / 67 / 1%/step]

2-612-012	BW:Coated: Glossy:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-013	BW:Coated: Glossy:Weight 3	ENG	
2-612-014	BW:Coated: Glossy:Weight 4	ENG	
2-612-015	BW:Coated: Glossy:Weight 5	ENG	
2-612-016	BW:Coated: Glossy:Weight 6	ENG	
2-612-017	BW:Coated: Glossy:Weight 7	ENG	
2-612-018	BW:Coated: Glossy:Weight 8	ENG	
2-612-019	BW:Coated: Glossy:Weight 9	ENG	
2-612-021	BW:Coated: Matte:Weight 1	ENG	
2-612-022	BW:Coated: Matte:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-023	BW:Coated: Matte:Weight 3	ENG	
2-612-024	BW:Coated: Matte:Weight 4	ENG	
2-612-025	BW:Coated: Matte:Weight 5	ENG	
2-612-026	BW:Coated: Matte:Weight 6	ENG	
2-612-027	BW:Coated: Matte:Weight 7	ENG	
2-612-028	BW:Coated: Matte:Weight 8	ENG	
2-612-029	BW:Coated: Matte:Weight 9	ENG	
2-612-031	BW:Embossed:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-612-032	BW:Embossed:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-033	BW:Embossed:Weight 3	ENG	
2-612-034	BW:Embossed:Weight 4	ENG	
2-612-035	BW:Embossed:Weight 5	ENG	
2-612-036	BW:Embossed:Weight 6	ENG	
2-612-037	BW:Embossed:Weight 7	ENG	
2-612-038	BW:Embossed:Weight 8	ENG	
2-612-039	BW:Embossed:Weight 9	ENG	

2-612-051	BW: OHP:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-612-052	BW: OHP:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-053	BW: OHP:Weight 3	ENG	
2-612-054	BW: OHP:Weight 4	ENG	
2-612-055	BW: OHP:Weight 5	ENG	
2-612-056	BW: OHP:Weight 6	ENG	
2-612-057	BW: OHP:Weight 7	ENG	
2-612-058	BW: OHP:Weight 8	ENG	
2-612-059	BW: OHP:Weight 9	ENG	
2-612-061	BW:Tracing:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-612-062	BW:Tracing:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-063	BW:Tracing:Weight 3	ENG	
2-612-064	BW:Tracing:Weight 4	ENG	
2-612-065	BW:Tracing:Weight 5	ENG	
2-612-066	BW:Tracing:Weight 6	ENG	
2-612-067	BW:Tracing:Weight 7	ENG	
2-612-068	BW:Tracing:Weight 8	ENG	
2-612-069	BW:Tracing:Weight 9	ENG	
2-612-071	BW:Envelope:Weight 1	ENG	[10 to 200 / 67 / 1%/step]

2-612-072	BW:Envelope:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-612-073	BW:Envelope:Weight 3	ENG	
2-612-074	BW:Envelope:Weight 4	ENG	
2-612-075	BW:Envelope:Weight 5	ENG	
2-612-076	BW:Envelope:Weight 6	ENG	
2-612-077	BW:Envelope:Weight 7	ENG	
2-612-078	BW:Envelope:Weight 8	ENG	
2-612-079	BW:Envelope:Weight 9	ENG	
2-612-081	BW:Magnet	ENG	
2-612-101	FC:Plain:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-102	FC:Plain:Weight 2	ENG	
2-612-103	FC:Plain:Weight 3	ENG	
2-612-104	FC:Plain:Weight 4	ENG	
2-612-105	FC:Plain:Weight 5	ENG	
2-612-106	FC:Plain:Weight 6	ENG	
2-612-107	FC:Plain:Weight 7	ENG	
2-612-108	FC:Plain:Weight 8	ENG	
2-612-109	FC:Plain:Weight 9	ENG	

2-612-111	FC:Coated: Glossy:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-112	FC:Coated: Glossy:Weight 2	ENG	
2-612-113	FC:Coated: Glossy:Weight 3	ENG	
2-612-114	FC:Coated: Glossy:Weight 4	ENG	
2-612-115	FC:Coated: Glossy:Weight 5	ENG	
2-612-116	FC:Coated: Glossy:Weight 6	ENG	
2-612-117	FC:Coated: Glossy:Weight 7	ENG	
2-612-118	FC:Coated: Glossy:Weight 8	ENG	
2-612-119	FC:Coated: Glossy:Weight 9	ENG	
2-612-121	FC:Coated: Matte:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-122	FC:Coated: Matte:Weight 2	ENG	
2-612-123	FC:Coated: Matte:Weight 3	ENG	
2-612-124	FC:Coated: Matte:Weight 4	ENG	
2-612-125	FC:Coated: Matte:Weight 5	ENG	
2-612-126	FC:Coated: Matte:Weight 6	ENG	
2-612-127	FC:Coated: Matte:Weight 7	ENG	
2-612-128	FC:Coated: Matte:Weight 8	ENG	
2-612-129	FC:Coated: Matte:Weight 9	ENG	

2-612-131	FC:Embossed:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-132	FC:Embossed:Weight 2	ENG	
2-612-133	FC:Embossed:Weight 3	ENG	
2-612-134	FC:Embossed:Weight 4	ENG	
2-612-135	FC:Embossed:Weight 5	ENG	
2-612-136	FC:Embossed:Weight 6	ENG	
2-612-137	FC:Embossed:Weight 7	ENG	
2-612-138	FC:Embossed:Weight 8	ENG	
2-612-139	FC:Embossed:Weight 9	ENG	
2-612-151	FC: OHP:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-152	FC: OHP:Weight 2	ENG	
2-612-153	FC: OHP:Weight 3	ENG	
2-612-154	FC: OHP:Weight 4	ENG	
2-612-155	FC: OHP:Weight 5	ENG	
2-612-156	FC: OHP:Weight 6	ENG	
2-612-157	FC: OHP:Weight 7	ENG	
2-612-158	FC: OHP:Weight 8	ENG	
2-612-159	FC: OHP:Weight 9	ENG	

2-612-161	FC:Tracing:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-162	FC:Tracing:Weight 2	ENG	
2-612-163	FC:Tracing:Weight 3	ENG	
2-612-164	FC:Tracing:Weight 4	ENG	
2-612-165	FC:Tracing:Weight 5	ENG	
2-612-166	FC:Tracing:Weight 6	ENG	
2-612-167	FC:Tracing:Weight 7	ENG	
2-612-168	FC:Tracing:Weight 8	ENG	
2-612-169	FC:Tracing:Weight 9	ENG	
2-612-171	FC:Envelope:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-612-172	FC:Envelope:Weight 2	ENG	
2-612-173	FC:Envelope:Weight 3	ENG	
2-612-174	FC:Envelope:Weight 4	ENG	
2-612-175	FC:Envelope:Weight 5	ENG	
2-612-176	FC:Envelope:Weight 6	ENG	
2-612-177	FC:Envelope:Weight 7	ENG	
2-612-178	FC:Envelope:Weight 8	ENG	
2-612-179	FC:Envelope:Weight 9	ENG	
2-612-181	FC:Magnet	ENG	[10 to 200 / 105 / 1%/step]
2613	[Set: PTR: Env Coeff: LL]		
	Adjusts the current correction coefficient of the paper transfer roller in the LL condition for each paper type and weight.		
2-613-001	BW:Plain:Weight 1	ENG	[10 to 200 / 67 / 1%/step]

2-613-002	BW:Plain:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-003	BW:Plain:Weight 3	ENG	
2-613-004	BW:Plain:Weight 4	ENG	
2-613-005	BW:Plain:Weight 5	ENG	
2-613-006	BW:Plain:Weight 6	ENG	
2-613-007	BW:Plain:Weight 7	ENG	
2-613-008	BW:Plain:Weight 8	ENG	
2-613-009	BW:Plain:Weight 9	ENG	
2-613-011	BW:Coated: Glossy:Weight 1	ENG	
2-613-012	BW:Coated: Glossy:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-013	BW:Coated: Glossy:Weight 3	ENG	
2-613-014	BW:Coated: Glossy:Weight 4	ENG	
2-613-015	BW:Coated: Glossy:Weight 5	ENG	
2-613-016	BW:Coated: Glossy:Weight 6	ENG	
2-613-017	BW:Coated: Glossy:Weight 7	ENG	
2-613-018	BW:Coated: Glossy:Weight 8	ENG	
2-613-019	BW:Coated: Glossy:Weight 9	ENG	
2-613-021	BW:Coated: Matte:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-613-022	BW:Coated: Matte:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-023	BW:Coated: Matte:Weight 3	ENG	
2-613-024	BW:Coated: Matte:Weight 4	ENG	
2-613-025	BW:Coated: Matte:Weight 5	ENG	
2-613-026	BW:Coated: Matte:Weight 6	ENG	
2-613-027	BW:Coated: Matte:Weight 7	ENG	
2-613-028	BW:Coated: Matte:Weight 8	ENG	
2-613-029	BW:Coated: Matte:Weight 9	ENG	

2-613-031	BW:Embossed:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-613-032	BW:Embossed:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-033	BW:Embossed:Weight 3	ENG	
2-613-034	BW:Embossed:Weight 4	ENG	
2-613-035	BW:Embossed:Weight 5	ENG	
2-613-036	BW:Embossed:Weight 6	ENG	
2-613-037	BW:Embossed:Weight 7	ENG	
2-613-038	BW:Embossed:Weight 8	ENG	
2-613-039	BW:Embossed:Weight 9	ENG	
2-613-051	BW: OHP:Weight 1	ENG	
2-613-052	BW: OHP:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-053	BW: OHP:Weight 3	ENG	
2-613-054	BW: OHP:Weight 4	ENG	
2-613-055	BW: OHP:Weight 5	ENG	
2-613-056	BW: OHP:Weight 6	ENG	
2-613-057	BW: OHP:Weight 7	ENG	
2-613-058	BW: OHP:Weight 8	ENG	
2-613-059	BW: OHP:Weight 9	ENG	
2-613-061	BW:Tracing:Weight 1	ENG	

2-613-062	BW:Tracing:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-063	BW:Tracing:Weight 3	ENG	
2-613-064	BW:Tracing:Weight 4	ENG	
2-613-065	BW:Tracing:Weight 5	ENG	
2-613-066	BW:Tracing:Weight 6	ENG	
2-613-067	BW:Tracing:Weight 7	ENG	
2-613-068	BW:Tracing:Weight 8	ENG	
2-613-069	BW:Tracing:Weight 9	ENG	
2-613-071	BW:Envelope:Weight 1	ENG	[10 to 200 / 67 / 1%/step]
2-613-072	BW:Envelope:Weight 2	ENG	[10 to 200 / 83 / 1%/step]
2-613-073	BW:Envelope:Weight 3	ENG	
2-613-074	BW:Envelope:Weight 4	ENG	
2-613-075	BW:Envelope:Weight 5	ENG	
2-613-076	BW:Envelope:Weight 6	ENG	
2-613-077	BW:Envelope:Weight 7	ENG	
2-613-078	BW:Envelope:Weight 8	ENG	
2-613-079	BW:Envelope:Weight 9	ENG	
2-613-081	BW:Magnet	ENG	[10 to 200 / 83 / 1%/step]

2-613-101	FC:Plain:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-102	FC:Plain:Weight 2	ENG	
2-613-103	FC:Plain:Weight 3	ENG	
2-613-104	FC:Plain:Weight 4	ENG	
2-613-105	FC:Plain:Weight 5	ENG	
2-613-106	FC:Plain:Weight 6	ENG	
2-613-107	FC:Plain:Weight 7	ENG	
2-613-108	FC:Plain:Weight 8	ENG	
2-613-109	FC:Plain:Weight 9	ENG	
2-613-111	FC:Coated: Glossy:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-112	FC:Coated: Glossy:Weight 2	ENG	
2-613-113	FC:Coated: Glossy:Weight 3	ENG	
2-613-114	FC:Coated: Glossy:Weight 4	ENG	
2-613-115	FC:Coated: Glossy:Weight 5	ENG	
2-613-116	FC:Coated: Glossy:Weight 6	ENG	
2-613-117	FC:Coated: Glossy:Weight 7	ENG	
2-613-118	FC:Coated: Glossy:Weight 8	ENG	
2-613-119	FC:Coated: Glossy:Weight 9	ENG	

2-613-121	FC:Coated: Matte:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-122	FC:Coated: Matte:Weight 2	ENG	
2-613-123	FC:Coated: Matte:Weight 3	ENG	
2-613-124	FC:Coated: Matte:Weight 4	ENG	
2-613-125	FC:Coated: Matte:Weight 5	ENG	
2-613-126	FC:Coated: Matte:Weight 6	ENG	
2-613-127	FC:Coated: Matte:Weight 7	ENG	
2-613-128	FC:Coated: Matte:Weight 8	ENG	
2-613-129	FC:Coated: Matte:Weight 9	ENG	
2-613-131	FC:Embossed:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-132	FC:Embossed:Weight 2	ENG	
2-613-133	FC:Embossed:Weight 3	ENG	
2-613-134	FC:Embossed:Weight 4	ENG	
2-613-135	FC:Embossed:Weight 5	ENG	
2-613-136	FC:Embossed:Weight 6	ENG	
2-613-137	FC:Embossed:Weight 7	ENG	
2-613-138	FC:Embossed:Weight 8	ENG	
2-613-139	FC:Embossed:Weight 9	ENG	

2-613-151	FC: OHP:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-152	FC: OHP:Weight 2	ENG	
2-613-153	FC: OHP:Weight 3	ENG	
2-613-154	FC: OHP:Weight 4	ENG	
2-613-155	FC: OHP:Weight 5	ENG	
2-613-156	FC: OHP:Weight 6	ENG	
2-613-157	FC: OHP:Weight 7	ENG	
2-613-158	FC: OHP:Weight 8	ENG	
2-613-159	FC: OHP:Weight 9	ENG	
2-613-161	FC:Tracing:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-162	FC:Tracing:Weight 2	ENG	
2-613-163	FC:Tracing:Weight 3	ENG	
2-613-164	FC:Tracing:Weight 4	ENG	
2-613-165	FC:Tracing:Weight 5	ENG	
2-613-166	FC:Tracing:Weight 6	ENG	
2-613-167	FC:Tracing:Weight 7	ENG	
2-613-168	FC:Tracing:Weight 8	ENG	
2-613-169	FC:Tracing:Weight 9	ENG	

2-613-171	FC:Envelope:Weight 1	ENG	[10 to 200 / 105 / 1%/step]
2-613-172	FC:Envelope:Weight 2	ENG	
2-613-173	FC:Envelope:Weight 3	ENG	
2-613-174	FC:Envelope:Weight 4	ENG	
2-613-175	FC:Envelope:Weight 5	ENG	
2-613-176	FC:Envelope:Weight 6	ENG	
2-613-177	FC:Envelope:Weight 7	ENG	
2-613-178	FC:Envelope:Weight 8	ENG	
2-613-179	FC:Envelope:Weight 9	ENG	
2-613-181	FC:Magnet	ENG	[10 to 200 / 105 / 1%/step]

2614	[Set: PTR: Env Coeff: ML]		
	Adjusts the current correction coefficient of the paper transfer roller in the ML condition for each paper type and weight.		
2-614-001 to 009	BW:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-011 to 019	BW:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-021 to 029	BW:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-031 to 039	BW:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-051 to 059	BW: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-061 to 069	BW:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-071 to 079	BW:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-081	BW:Magnet	ENG	[10 to 200 / 100 / 1%/step]

2-614-101 to 109	FC:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-111 to 119	FC:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-121 to 129	FC:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-131 to 139	FC:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-151 to 159	FC: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-161 to 169	FC:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-171 to 179	FC:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-614-181	FC:Magnet	ENG	[10 to 200 / 100 / 1%/step]

2615	[Set: PTR: Env Coeff: MM]		
	Adjusts the current correction coefficient of the paper transfer roller in the MM condition for each paper type and weight.		
2-615-001 to 009	BW:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-011 to 019	BW:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-021 to 029	BW:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-031 to 039	BW:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-051 to 059	BW: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-061 to 069	BW:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]

2-615-071 to 079	BW:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-081	BW:Magnet	ENG	[10 to 200 / 100 / 1%/step]
2-615-101 to 109	FC:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-111 to 119	FC:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-121 to 129	FC:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-131 to 139	FC:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-151 to 159	FC: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-161 to 169	FC:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-171 to 179	FC:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 100 / 1%/step]
2-615-181	FC:Magnet	ENG	[10 to 200 / 100 / 1%/step]

2616	[Set: PTR: Env Coeff: MH]		
	Adjusts the current correction coefficient of the paper transfer roller in the MH condition for each paper type and weight.		
2-616-001 to 009	BW:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-011 to 019	BW:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-021 to 029	BW:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-031 to 039	BW:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-051 to 059	BW: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]

2-616-061 to 069	BW:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-071 to 079	BW:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-616-081	BW:Magnet	ENG	[10 to 200 / 67 / 1%/step]
2-616-101 to 109	FC:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-111 to 119	FC:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-121 to 129	FC:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-131 to 139	FC:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-151 to 159	FC: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-161 to 169	FC:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-171 to 179	FC:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-616-181	FC:Magnet	ENG	[10 to 200 / 88 / 1%/step]

2617	[Set: PTR: Env Coeff: HH]		
	Adjusts the current correction coefficient of the paper transfer roller in the HH condition for each paper type and weight.		
2-617-001 to 009	BW:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-011 to 019	BW:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-021 to 029	BW:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-031 to 039	BW:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]

2-617-051 to 059	BW: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-061 to 069	BW:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-071 to 079	BW:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 67 / 1%/step]
2-617-081	BW:Magnet	ENG	[10 to 200 / 67 / 1%/step]
2-617-101 to 109	FC:Plain:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-111 to 119	FC:Coated: Glossy:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-121 to 129	FC:Coated: Matte:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-131 to 139	FC:Embossed:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-151 to 159	FC: OHP:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-161 to 169	FC:Tracing:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-171 to 179	FC:Envelope:Weight 1 – Weight 9	ENG	[10 to 200 / 88 / 1%/step]
2-617-181	FC:Magnet	ENG	[10 to 200 / 88 / 1%/step]

2621	[Set:PTR: R Coeff]
	Adjusts the correction coefficient of the paper transfer roller for each resistance correction division.

2-621-001	R-2	ENG	[50 to 300 / 100 / 1%/step]
2-621-002	R-1	ENG	
2-621-003	R0	ENG	
2-621-004	R+1	ENG	
2-621-005	R+2	ENG	
2-621-006	R+3	ENG	

2631	[Paper Size:Coeff: PTR Std Press]		
	Adjusts the current correction coefficient of the paper transfer roller in the PTR standard pressure mode for each side of paper.		
2-631-001 to 009	Weight 1: Side1 –Weight 9: Side1	ENG	[50 to 600 / 100 / 1%/step]
2-631-011 to 019	Weight 1: Side2 –Weight 9: Side2	ENG	[50 to 600 / 100 / 1%/step]

2632	[Set: PTR: Env Coeff]		
	Adjusts the current correction coefficient of the paper transfer roller in the PTR high pressure mode.		
2-632-001	LLL:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]
2-632-002	LL:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]
2-632-003	ML:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]
2-632-004	MM:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]
2-632-005	MH:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]
2-632-006	HH:Toner P:Density Adj ProCon	ENG	[50 to 600 / 100 / 1%/step]

2640	[Set:PTR: Non-Image]		
	Adjusts the current of the paper transfer roller on a non image area in the PTR standard pressure mode for each mode.		

2-640-001	Non-Image:BW	ENG	[-400 to 0 / -72 / 1 uA/step]
2-640-002	Process Control:BW	ENG	[-400 to 0 / -114 / 1 uA/step]
2-640-003	Toner Patch:BW	ENG	[-400 to 0 / -72 / 1 uA/step]
2-640-004	MUSIC	ENG	[-150 to -20 / -72 / 1 uA/step]
2-640-011	Non Image:FC	ENG	[-400 to 0 / -114 / 1 uA/step]
2-640-012	Process Control:FC	ENG	[-400 to 0 / -114 / 1 uA/step]
2-640-013	Toner Patch:FC	ENG	[-400 to 0 / -114 / 1 uA/step]

2641	[PTR Bias:BW: Side1]		
	Adjusts the current of the paper transfer roller in the BW printing mode for the 1st side of each paper type and weight.		
2-641-001 to 009	Plain:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-051 to 059	OHP:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-641-081	Magnet	ENG	[-400 to 0 / -72 / 1 uA/step]

2642	[PTR Bias:BW: Side2]		
	Adjusts the current of the paper transfer roller in the BW printing mode for the 2nd side of each paper type and weight.		

2-642-001 to 009	Plain:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-051 to 059	OHP:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[-400 to 0 / -72 / 1 uA/step]
2-642-081	Magnet	ENG	[-400 to 0 / -72 / 1 uA/step]

2643	[L Edge Coeff:BW]		
	Adjusts the leading edge current coefficient of the paper transfer roller in the BW printing mode for each paper type and weight.		
2-643-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-051 to 059	OHP:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]

2-643-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-643-081	Magnet	ENG	[5 to 300 / 100 / 1%/step]

2644	[L Edge Length:BW]		
	Adjusts the leading edge switching length of the paper transfer roller in the BW printing mode for each paper type and weight.		
2-644-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-644-081	Magnet	ENG	[0 to 30 / 0 / 1 mm/step]

2645	[T Edge Coeff:BW]		
	Adjusts the trailing edge current coefficient of the paper transfer roller in the BW printing mode for each paper type and weight.		
2-645-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]

2-645-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-051 to 059	OHP:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-645-081	Magnet	ENG	[5 to 300 / 100 / 1%/step]

2646	[T Edge Length:BW]		
	Adjusts the trailing edge switching length of the paper transfer roller in the BW printing mode for each paper type and weight.		
2-646-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-646-081	Magnet	ENG	[0 to 100 / 18 / 1 mm/step]

2647	[L Edge Coeff: On Timing: BW]		
	Adjusts the activation timing for the leading edge coefficient of the paper transfer roller in the BW printing mode. This setting can be set to each paper type and weight.		

2-647-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-647-081	Magnet	ENG	[0 to 55 / 10 / 1 msec/step]

2648	[T Edge Coeff: On Timing: BW]		
	Adjusts the deactivation timing for the trailing edge coefficient of the paper transfer roller in the BW printing mode. This setting can be set to each paper type and weight.		
2-648-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]

2-648-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-648-081	Magnet	ENG	[0 to 30 / 0 / 1 msec/step]

2651	[PTR Bias:FC: Side1]		
	Adjusts the current of the paper transfer roller in the FC printing mode for the 1st side of each paper type and weight.		
2-651-001 to 009	Plain:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-051 to 059	OHP:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-651-081	Magnet	ENG	[-400 to 0 / -114 / 1 uA/step]

2652	[PTR Bias:FC: Side2]		
	Adjusts the current of the paper transfer roller in the FC printing mode for the 2nd side of each paper type and weight.		
2-652-001 to 009	Plain:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]

2-652-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-051 to 059	OHP:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
2-652-081	Magnet	ENG	[-400 to 0 / -114 / 1 uA/step]

2653	[L Edge Coeff:FC]		
	Adjusts the leading edge current coefficient of the paper transfer roller in the FC printing mode for each paper type and weight.		
2-653-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-051 to 059	OHP:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-653-081	Magnet	ENG	[5 to 300 / 100 / 1%/step]

2654	[L Edge Length:FC]		
	Adjusts the leading edge switching length of the paper transfer roller in the FC printing mode for each paper type and weight.		

2-654-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 mm/step]
2-654-081	Magnet	ENG	[0 to 30 / 0 / 1 mm/step]

2655	[T Edge Coeff:FC]		
	Adjusts the trailing edge current coefficient of the paper transfer roller in the FC printing mode for each paper type and weight.		
2-655-001 to 009	Plain:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-051 to 059	OHP:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]

2-655-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[5 to 300 / 100 / 1%/step]
2-655-081	Magnet	ENG	[5 to 300 / 100 / 1%/step]

2656	[T Edge Length:FC]		
	Adjusts the trailing edge switching length of the paper transfer roller in the FC printing mode for each paper type and weight.		
2-656-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 100 / 18 / 1 mm/step]
2-656-081	Magnet	ENG	[0 to 100 / 18 / 1 mm/step]

2657	[L Edge Coeff: On Timing: FC]		
	Adjusts the activation timing for the leading edge coefficient of the paper transfer roller in the FC printing mode. This setting can be set to each paper type and weight.		
2-657-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]

2-657-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 55 / 10 / 1 msec/step]
2-657-081	Magnet	ENG	[0 to 55 / 10 / 1 msec/step]

2658	[T Edge Coeff: Off Timing: FC]		
	Adjusts the deactivation timing for the trailing edge coefficient of the paper transfer roller in the FC printing mode. This setting can be set to each paper type and weight.		
2-658-001 to 009	Plain:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-011 to 019	Coated: Glossy:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-021 to 029	Coated: Matte:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-051 to 059	OHP:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-061 to 069	Tracing:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-071 to 079	Envelope:Weight 1 – Weight 9	ENG	[0 to 30 / 0 / 1 msec/step]
2-658-081	Magnet	ENG	[0 to 30 / 0 / 1 msec/step]

2661	[PTR Speed Control]		
	Adjusts the speed correction coefficient of the paper transfer roller for each paper type and weight.		

2-661-001	Plain:Weight 1	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
2-661-002	Plain:Weight 2	ENG	
2-661-003	Plain:Weight 3	ENG	
2-661-004	Plain:Weight 4	ENG	
2-661-005	Plain:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-006	Plain:Weight 6	ENG	
2-661-007	Plain:Weight 7	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
2-661-008	Plain:Weight 8	ENG	
2-661-009	Plain:Weight 9	ENG	
2-661-011	Glossy:Weight 1	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
2-661-012	Glossy:Weight 2	ENG	
2-661-013	Glossy:Weight 3	ENG	
2-661-014	Glossy:Weight 4	ENG	
2-661-015	Glossy:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-016	Glossy:Weight 6	ENG	
2-661-017	Glossy:Weight 7	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
2-661-018	Glossy:Weight 8	ENG	
2-661-019	Glossy:Weight 9	ENG	
2-661-021	Matte:Weight 1	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
2-661-022	Matte:Weight 2	ENG	
2-661-023	Matte:Weight 3	ENG	
2-661-024	Matte:Weight 4	ENG	
2-661-025	Matte:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-026	Matte:Weight 6	ENG	

2-661-027	Matte:Weight 7	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
2-661-028	Matte:Weight 8	ENG	
2-661-029	Matte:Weight 9	ENG	
2-661-031	Embossed:Weight 1	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
2-661-032	Embossed:Weight 2	ENG	
2-661-033	Embossed:Weight 3	ENG	
2-661-034	Embossed:Weight 4	ENG	
2-661-035	Embossed:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-036	Embossed:Weight 6	ENG	
2-661-037	Embossed:Weight 7	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
2-661-038	Embossed:Weight 8	ENG	
2-661-039	Embossed:Weight 9	ENG	
2-661-055	OHP:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-061	Tracing:Weight 1	ENG	[-1.0 to 1.0 / 0.2 / 0.1%/step]
2-661-075	Envelope:Weight 5	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-076	Envelope:Weight 6	ENG	[-1.0 to 1.0 / 0 / 0.1%/step]
2-661-077	Envelope:Weight 7	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]
2-661-081	Magnet	ENG	[-1.0 to 1.0 / -0.3 / 0.1%/step]

2665	[PTR Speed Control]		
	Adjusts the speed correction coefficient of the paper transfer roller for each condition.		
2-665-001	Env Coeff:LLL	ENG	[-0.5 to 0.5 / 0.2 / 0.1%/step]
2-665-002	Env Coeff:LL	ENG	[-0.5 to 0.5 / 0.2 / 0.1%/step]
2-665-003	Env Coeff:ML	ENG	[-0.5 to 0.5 / 0.1 / 0.1%/step]
2-665-004	Env Coeff:MM	ENG	[-0.5 to 0.5 / 0 / 0.1%/step]
2-665-005	Env Coeff:MH	ENG	[-0.5 to 0.5 / -0.3 / 0.1%/step]

2-665-006	Env Coeff:HH	ENG	[-0.5 to 0.5 / -0.3 / 0.1%/step]
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2671	[Set:PTR: Non Img]		
	Adjusts the current of the paper transfer roller for toner patch in non image.		
2-671-001	Toner Patch: DensityAdj ProCon	ENG	[-400 to 0 / -72 / 1 uA/step]
2-671-002	Toner Patch	ENG	[-400 to 0 / -72 / 1 uA/step]

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2701	[AC: Regist Correct: Weight 1]		
2702	[AC: Regist Correct: Weight 2]		
2703	[AC: Regist Correct: Weight 3]		
2704	[AC: Regist Correct: Weight 4]		
2705	[AC: Regist Correct: Weight 5]		
2706	[AC: Regist Correct: Weight 6]		
2707	[AC: Regist Correct: Weight 7]		
2708	[AC: Regist Correct: Weight 8]		
2709	[AC: Regist Correct: Weight 9]		
001 to 035	Side1: RCV-1 – Side1: RCV-35	ENG	[10 to 255 / 100 / 1%/step]
101 to 135	Side2: RCV-1 – Side2: RCV-35	ENG	Adjusts the CV (constant voltage) correction coefficient of the paper transfer roller for each resistance correction division. These setting can be set to each paper weight and side of paper.

2710	[PTR CV Target: Env Correction]		
	Adjusts the target CV (constant voltage) correction coefficient of the paper transfer roller in the BW or FC printing mode for each condition and side of paper.		

2-710-001	LLL:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-002	LLL:BW:Side2	ENG	
2-710-003	LLL:FC:Side1	ENG	
2-710-004	LLL:FC:Side2	ENG	
2-710-011	LL:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-012	LL:BW:Side2	ENG	
2-710-013	LL:FC:Side1	ENG	
2-710-014	LL:FC:Side2	ENG	
2-710-021	ML:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-022	ML:BW:Side2	ENG	
2-710-023	ML:FC:Side1	ENG	
2-710-024	ML:FC:Side2	ENG	
2-710-031	MM:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-032	MM:BW:Side2	ENG	
2-710-033	MM:FC:Side1	ENG	
2-710-034	MM:FC:Side2	ENG	
2-710-041	MH:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-042	MH:BW:Side2	ENG	
2-710-043	MH:FC:Side1	ENG	
2-710-044	MH:FC:Side2	ENG	
2-710-051	HH:BW:Side1	ENG	[10 to 255 / 100 / 1%/step]
2-710-052	HH:BW:Side2	ENG	
2-710-053	HH:FC:Side1	ENG	
2-710-054	HH:FC:Side2	ENG	

2711	[PTR CV Target: R Corr]		
	Adjusts the target CV (constant voltage) correction coefficient of the paper transfer roller for each resistance correction division.		
2-711-001 to 035	RCV-1 - RCV-35	ENG	[50 to 300 / 100 / 1%/step]

2720	[PTR CV Target: BW]		
	Adjusts the target CV voltage in the BW printing mode for the 1st side.		
2-720-001	Side1	ENG	[0 to 13.0 / 2.7 / 0.1 -kV/step]

2721	[PTR CV Target: BW]		
	Adjusts the target CV voltage in the BW printing mode for the 2nd side.		
2-721-001	Side2	ENG	[0 to 13.0 / 2.7 / 0.1 -kV/step]

2722	[PTR CV Target: FC]		
	Adjusts the target CV voltage in the FC printing mode for the 1st side.		
2-722-001	Side1	ENG	[0 to 13.0 / 3.7 / 0.1 -kV/step]

2723	[PTR CV Target: FC]		
	Adjusts the target CV voltage in the FC printing mode for the 2nd side.		
2-723-001	Side2	ENG	[0 to 13.0 / 3.7 / 0.1 -kV/step]

2732	[PTR CV Target: Eng Spd Coeff]		
	Adjusts the target CV voltage for each line speed.		
2-732-001	Standard Speed	ENG	[10 to 200 / 100 / 1%/step]
2-732-003	Low Speed	ENG	[10 to 200 / 60 / 1%/step]

2741	[PTR CV Timing: BW]		
	Adjusts the CV correction timing of the paper transfer roller in the BW printing mode for the 1st side.		

2-741-001	Side1	ENG	[0 to 100 / 35 / 1 msec/step]
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2742	[PTR CV Timing: BW]		
	Adjusts the CV correction timing of the paper transfer roller in the BW printing mode for the 2nd side.		
2-742-001	Side2	ENG	[0 to 100 / 35 / 1 msec/step]

2743	[PTR CV ON Time: BW]		
	Adjusts the CV correction time of the paper transfer roller in the BW printing mode for the 1st side.		
2-743-001	Side1	ENG	[0 to 100 / 0 / 1 msec/step]

2744	[PTR CV ON Time: BW]		
	Adjusts the CV correction time of the paper transfer roller in the BW printing mode for the 2nd side.		
2-744-001	Side2	ENG	[0 to 100 / 0 / 1 msec/step]

2746	[PTR CV Timing: FC]		
	Adjusts the CV correction timing of the paper transfer roller in the FC printing mode for the 1st side.		
2-746-001	Side1	ENG	[0 to 100 / 35 / 1 msec/step]

2747	[PTR CV Timing: FC]		
	Adjusts the CV correction timing of the paper transfer roller in the FC printing mode for the 2nd side.		
2-747-001	Side2	ENG	[0 to 100 / 35 / 1 msec/step]

2748	[PTR CV ON Time: FC]		
	Adjusts the CV correction time of the paper transfer roller in the FC printing mode for the 1st side.		
2-748-001	Side1	ENG	[0 to 100 / 0 / 1 msec/step]

2749	[PTR CV ON Time: FC]		
	Adjusts the CV correction time of the paper transfer roller in the FC printing mode for the 2nd side.		
2-749-001	Side2	ENG	[0 to 100 / 0 / 1 msec/step]

2750	[Transfer FF Control: Select]		
	Sets the type of the transfer feed forward control.		
2-750-001	Control On/Off	ENG	[0 to 3 / 1 / 1/step] 0: All (ITB and PTR) Off 1: All (ITB and PTR) On 2: ITB FF Ctl: Off 3: PTR FF Ctl: Off

Group 2000 (4/4)

SP2-751 to -990 (Drum)

2751	[ITB K: Trans FF Control Coeff]		
	Adjust the correction coefficient of the ITB roller black in the BW or FC printing mode for the FF (feed forward) control. "S (coverage)" is calculated by the data transfer unit when the machine gets a job.		
2-751-001	S=0:BW	ENG	[10 to 200 / 100 / 1%/step]
2-751-002	0<S<2:BW	ENG	
2-751-003	2<=S<5:BW	ENG	
2-751-004	5<=S<10:BW	ENG	
2-751-005	10<=S<20:BW	ENG	
2-751-006	20<=S<30:BW	ENG	
2-751-007	30<=S<40:BW	ENG	
2-751-008	40<=S<50:BW	ENG	[10 to 200 / 100 / 1%/step]
2-751-009	50<=S<60:BW	ENG	
2-751-010	60<=S<70:BW	ENG	
2-751-011	70<=S<80:BW	ENG	
2-751-012	80<=S<90:BW	ENG	
2-751-013	90<=S<95:BW	ENG	
2-751-014	95<=S:BW	ENG	

2-751-101	S=0:FC	ENG	[10 to 200 / 100 / 1%/step]
2-751-102	0<S<2:FC	ENG	
2-751-103	2<=S<5:FC	ENG	
2-751-104	5<=S<10:FC	ENG	
2-751-105	10<=S<20:FC	ENG	
2-751-106	20<=S<30:FC	ENG	
2-751-107	30<=S<40:FC	ENG	
2-751-108	40<=S<50:FC	ENG	[10 to 200 / 100 / 1%/step]
2-751-109	50<=S<60:FC	ENG	
2-751-110	60<=S<70:FC	ENG	
2-751-111	70<=S<80:FC	ENG	
2-751-112	80<=S<90:FC	ENG	
2-751-113	90<=S<95:FC	ENG	
2-751-114	95<=S:FC	ENG	

2752	[ITB C: Trans FF Control Coeff]		
	Adjust the correction coefficient of the ITB roller cyan in the FC printing mode for the FF (feed forward) control. "S (coverage)" is calculated by the data transfer unit when the machine gets a job.		
2-752-001	S=0:FC	ENG	[10 to 200 / 100 / 1%/step]
2-752-002	0<S<2:FC	ENG	
2-752-003	2<=S<5:FC	ENG	
2-752-004	5<=S<10:FC	ENG	
2-752-005	10<=S<20:FC	ENG	
2-752-006	20<=S<30:FC	ENG	
2-752-007	30<=S<40:FC	ENG	

2-752-008	40<=S<50:FC	ENG	[10 to 200 / 100 / 1%/step]
2-752-009	50<=S<60:FC	ENG	
2-752-010	60<=S<70:FC	ENG	
2-752-011	70<=S<80:FC	ENG	
2-752-012	80<=S<90:FC	ENG	
2-752-013	90<=S<95:FC	ENG	
2-752-014	95<=S:FC	ENG	

2753	[ITB M: Trans FF Control Coeff]		
	Adjust the correction coefficient of the ITB roller magenta in the FC printing mode for the FF (feed forward) control. "S (coverage)" is calculated by the data transfer unit when the machine gets a job.		
2-753-001	S=0:FC	ENG	[10 to 200 / 100 / 1%/step]
2-753-002	0<S<2:FC	ENG	
2-753-003	2<=S<5:FC	ENG	
2-753-004	5<=S<10:FC	ENG	
2-753-005	10<=S<20:FC	ENG	
2-753-006	20<=S<30:FC	ENG	
2-753-007	30<=S<40:FC	ENG	
2-753-008	40<=S<50:FC	ENG	[10 to 200 / 100 / 1%/step]
2-753-009	50<=S<60:FC	ENG	
2-753-010	60<=S<70:FC	ENG	
2-753-011	70<=S<80:FC	ENG	
2-753-012	80<=S<90:FC	ENG	
2-753-013	90<=S<95:FC	ENG	
2-753-014	95<=S:FC	ENG	

2754	[ITB Y: Trans FF Control Coeff]		
	Adjust the correction coefficient of the ITB roller yellow in the FC printing mode for the FF (feed forward) control. "S (coverage)" is calculated by the data transfer unit when the machine gets a job.		
2-754-001	S=0:FC	ENG	[10 to 200 / 100 / 1%/step]
2-754-002	0<S<2:FC	ENG	
2-754-003	2<=S<5:FC	ENG	
2-754-004	5<=S<10:FC	ENG	
2-754-005	10<=S<20:FC	ENG	
2-754-006	20<=S<30:FC	ENG	
2-754-007	30<=S<40:FC	ENG	
2-754-008	40<=S<50:FC	ENG	[10 to 200 / 100 / 1%/step]
2-754-009	50<=S<60:FC	ENG	
2-754-010	60<=S<70:FC	ENG	
2-754-011	70<=S<80:FC	ENG	
2-754-012	80<=S<90:FC	ENG	
2-754-013	90<=S<95:FC	ENG	
2-754-014	95<=S:FC	ENG	

2761	[PTR: Trans FF Ctl Coeff: BW]		
	Adjust the correction coefficient of the paper transfer roller in the BW printing mode for the FF (feed forward) control. This setting can be set to each paper type, paper weight and condition. <ul style="list-style-type: none"> • SP2-764 (LLL), -765 (LL), -766 (ML), -767 (MM), -768 (MH), -769 (HH) "S (coverage)" is calculated by the data transfer unit when the machine gets a job.		

2-761-001	No1:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-002	No1:20<=S<40	ENG	
2-761-003	No1:40<=S<60	ENG	
2-761-004	No1:60<=S<80	ENG	
2-761-005	No1:80<=S<100	ENG	
2-761-006	No1:100<=S<120	ENG	
2-761-007	No1:120<=S<140	ENG	
2-761-008	No1:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-009	No1:160<=S<180	ENG	
2-761-010	No1:180<=S<200	ENG	
2-761-011	No1:200<=S<220	ENG	
2-761-012	No1:220<=S<240	ENG	
2-761-013	No1:240<=S<260	ENG	
2-761-014	No1:260<=S	ENG	
2-761-021	No2:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-022	No2:20<=S<40	ENG	
2-761-023	No2:40<=S<60	ENG	
2-761-024	No2:60<=S<80	ENG	
2-761-025	No2:80<=S<100	ENG	
2-761-026	No2:100<=S<120	ENG	
2-761-027	No2:120<=S<140	ENG	

2-761-028	No2:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-029	No2:160<=S<180	ENG	
2-761-030	No2:180<=S<200	ENG	
2-761-031	No2:200<=S<220	ENG	
2-761-032	No2:220<=S<240	ENG	
2-761-033	No2:240<=S<260	ENG	
2-761-034	No2:260<=S	ENG	
2-761-041	No3:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-042	No3:20<=S<40	ENG	
2-761-043	No3:40<=S<60	ENG	
2-761-044	No3:60<=S<80	ENG	
2-761-045	No3:80<=S<100	ENG	
2-761-046	No3:100<=S<120	ENG	
2-761-047	No3:120<=S<140	ENG	
2-761-048	No3:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-049	No3:160<=S<180	ENG	
2-761-050	No3:180<=S<200	ENG	
2-761-051	No3:200<=S<220	ENG	
2-761-052	No3:220<=S<240	ENG	
2-761-053	No3:240<=S<260	ENG	
2-761-054	No3:260<=S	ENG	

2-761-061	No4:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-062	No4:20<=S<40	ENG	
2-761-063	No4:40<=S<60	ENG	
2-761-064	No4:60<=S<80	ENG	
2-761-065	No4:80<=S<100	ENG	
2-761-066	No4:100<=S<120	ENG	
2-761-067	No4:120<=S<140	ENG	
2-761-068	No4:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-069	No4:160<=S<180	ENG	
2-761-070	No4:180<=S<200	ENG	
2-761-071	No4:200<=S<220	ENG	
2-761-072	No4:220<=S<240	ENG	
2-761-073	No4:240<=S<260	ENG	
2-761-074	No4:260<=S	ENG	
2-761-081	No5:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-082	No5:20<=S<40	ENG	
2-761-083	No5:40<=S<60	ENG	
2-761-084	No5:60<=S<80	ENG	
2-761-085	No5:80<=S<100	ENG	
2-761-086	No5:100<=S<120	ENG	
2-761-087	No5:120<=S<140	ENG	

2-761-088	No5:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-089	No5:160<=S<180	ENG	
2-761-090	No5:180<=S<200	ENG	
2-761-091	No5:200<=S<220	ENG	
2-761-092	No5:220<=S<240	ENG	
2-761-093	No5:240<=S<260	ENG	
2-761-094	No5:260<=S	ENG	
2-761-101	No6:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-102	No6:20<=S<40	ENG	
2-761-103	No6:40<=S<60	ENG	
2-761-104	No6:60<=S<80	ENG	
2-761-105	No6:80<=S<100	ENG	
2-761-106	No6:100<=S<120	ENG	
2-761-107	No6:120<=S<140	ENG	
2-761-108	No6:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-109	No6:160<=S<180	ENG	
2-761-110	No6:180<=S<200	ENG	
2-761-111	No6:200<=S<220	ENG	
2-761-112	No6:220<=S<240	ENG	
2-761-113	No6:240<=S<260	ENG	
2-761-114	No6:260<=S	ENG	

2-761-121	No7:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-122	No7:20<=S<40	ENG	
2-761-123	No7:40<=S<60	ENG	
2-761-124	No7:60<=S<80	ENG	
2-761-125	No7:80<=S<100	ENG	
2-761-126	No7:100<=S<120	ENG	
2-761-127	No7:120<=S<140	ENG	
2-761-128	No7:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-129	No7:160<=S<180	ENG	
2-761-130	No7:180<=S<200	ENG	
2-761-131	No7:200<=S<220	ENG	
2-761-132	No7:220<=S<240	ENG	
2-761-133	No7:240<=S<260	ENG	
2-761-134	No7:260<=S	ENG	
2-761-141	No8:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-142	No8:20<=S<40	ENG	
2-761-143	No8:40<=S<60	ENG	
2-761-144	No8:60<=S<80	ENG	
2-761-145	No8:80<=S<100	ENG	
2-761-146	No8:100<=S<120	ENG	
2-761-147	No8:120<=S<140	ENG	

2-761-148	No8:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-149	No8:160<=S<180	ENG	
2-761-150	No8:180<=S<200	ENG	
2-761-151	No8:200<=S<220	ENG	
2-761-152	No8:220<=S<240	ENG	
2-761-153	No8:240<=S<260	ENG	
2-761-154	No8:260<=S	ENG	
2-761-161	No9:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-761-162	No9:20<=S<40	ENG	
2-761-163	No9:40<=S<60	ENG	
2-761-164	No9:60<=S<80	ENG	
2-761-165	No9:80<=S<100	ENG	
2-761-166	No9:100<=S<120	ENG	
2-761-167	No9:120<=S<140	ENG	
2-761-168	No9:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-761-169	No9:160<=S<180	ENG	
2-761-170	No9:180<=S<200	ENG	
2-761-171	No9:200<=S<220	ENG	
2-761-172	No9:220<=S<240	ENG	
2-761-173	No9:240<=S<260	ENG	
2-761-174	No9:260<=S	ENG	

2762	[PTR: Trans FF Ctl Coeff: FC]		
	<p>Adjust the correction coefficient of the paper transfer roller in the FC printing mode for the FF (feed forward) control. This setting can be set to each paper type, paper weight and condition.</p> <ul style="list-style-type: none"> SP2-764 (LLL), -765 (LL), -766 (ML), -767 (MM), -768 (MH), -769 (HH) <p>"S (coverage)" is calculated by the data transfer unit when the machine gets a job.</p>		
2-762-001	No1:0<=S<20	ENG	[10 to 200 / 82 / 1%/step]
2-762-002	No1:20<=S<40	ENG	
2-762-003	No1:40<=S<60	ENG	[10 to 200 / 91 / 1%/step]
2-762-004	No1:60<=S<80	ENG	
2-762-005	No1:80<=S<100	ENG	
2-762-006	No1:100<=S<120	ENG	
2-762-007	No1:120<=S<140	ENG	
2-762-008	No1:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-009	No1:160<=S<180	ENG	
2-762-010	No1:180<=S<200	ENG	
2-762-011	No1:200<=S<220	ENG	
2-762-012	No1:220<=S<240	ENG	[10 to 200 / 110 / 1%/step]
2-762-013	No1:240<=S<260	ENG	
2-762-014	No1:260<=S	ENG	
2-762-021	No2:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-022	No2:20<=S<40	ENG	
2-762-023	No2:40<=S<60	ENG	
2-762-024	No2:60<=S<80	ENG	
2-762-025	No2:80<=S<100	ENG	
2-762-026	No2:100<=S<120	ENG	
2-762-027	No2:120<=S<140	ENG	

2-762-028	No2:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-029	No2:160<=S<180	ENG	
2-762-030	No2:180<=S<200	ENG	
2-762-031	No2:200<=S<220	ENG	
2-762-032	No2:220<=S<240	ENG	
2-762-033	No2:240<=S<260	ENG	
2-762-034	No2:260<=S	ENG	
2-762-041	No3:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-042	No3:20<=S<40	ENG	
2-762-043	No3:40<=S<60	ENG	
2-762-044	No3:60<=S<80	ENG	
2-762-045	No3:80<=S<100	ENG	
2-762-046	No3:100<=S<120	ENG	
2-762-047	No3:120<=S<140	ENG	
2-762-048	No3:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-049	No3:160<=S<180	ENG	
2-762-050	No3:180<=S<200	ENG	
2-762-051	No3:200<=S<220	ENG	
2-762-052	No3:220<=S<240	ENG	
2-762-053	No3:240<=S<260	ENG	
2-762-054	No3:260<=S	ENG	

2-762-061	No4:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-062	No4:20<=S<40	ENG	
2-762-063	No4:40<=S<60	ENG	
2-762-064	No4:60<=S<80	ENG	
2-762-065	No4:80<=S<100	ENG	
2-762-066	No4:100<=S<120	ENG	
2-762-067	No4:120<=S<140	ENG	
2-762-068	No4:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-069	No4:160<=S<180	ENG	
2-762-070	No4:180<=S<200	ENG	
2-762-071	No4:200<=S<220	ENG	
2-762-072	No4:220<=S<240	ENG	
2-762-073	No4:240<=S<260	ENG	
2-762-074	No4:260<=S	ENG	
2-762-081	No5:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-082	No5:20<=S<40	ENG	
2-762-083	No5:40<=S<60	ENG	
2-762-084	No5:60<=S<80	ENG	
2-762-085	No5:80<=S<100	ENG	
2-762-086	No5:100<=S<120	ENG	
2-762-087	No5:120<=S<140	ENG	

2-762-088	No5:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-089	No5:160<=S<180	ENG	
2-762-090	No5:180<=S<200	ENG	
2-762-091	No5:200<=S<220	ENG	
2-762-092	No5:220<=S<240	ENG	
2-762-093	No5:240<=S<260	ENG	
2-762-094	No5:260<=S	ENG	
2-762-101	No6:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-102	No6:20<=S<40	ENG	
2-762-103	No6:40<=S<60	ENG	
2-762-104	No6:60<=S<80	ENG	
2-762-105	No6:80<=S<100	ENG	
2-762-106	No6:100<=S<120	ENG	
2-762-107	No6:120<=S<140	ENG	
2-762-108	No6:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-109	No6:160<=S<180	ENG	
2-762-110	No6:180<=S<200	ENG	
2-762-111	No6:200<=S<220	ENG	
2-762-112	No6:220<=S<240	ENG	
2-762-113	No6:240<=S<260	ENG	
2-762-114	No6:260<=S	ENG	

2-762-121	No7:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-122	No7:20<=S<40	ENG	
2-762-123	No7:40<=S<60	ENG	
2-762-124	No7:60<=S<80	ENG	
2-762-125	No7:80<=S<100	ENG	
2-762-126	No7:100<=S<120	ENG	
2-762-127	No7:120<=S<140	ENG	
2-762-128	No7:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-129	No7:160<=S<180	ENG	
2-762-130	No7:180<=S<200	ENG	
2-762-131	No7:200<=S<220	ENG	
2-762-132	No7:220<=S<240	ENG	
2-762-133	No7:240<=S<260	ENG	
2-762-134	No7:260<=S	ENG	
2-762-141	No8:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-142	No8:20<=S<40	ENG	
2-762-143	No8:40<=S<60	ENG	
2-762-144	No8:60<=S<80	ENG	
2-762-145	No8:80<=S<100	ENG	
2-762-146	No8:100<=S<120	ENG	
2-762-147	No8:120<=S<140	ENG	

2-762-148	No8:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-149	No8:160<=S<180	ENG	
2-762-150	No8:180<=S<200	ENG	
2-762-151	No8:200<=S<220	ENG	
2-762-152	No8:220<=S<240	ENG	
2-762-153	No8:240<=S<260	ENG	
2-762-154	No8:260<=S	ENG	
2-762-161	No9:0<=S<20	ENG	[10 to 200 / 100 / 1%/step]
2-762-162	No9:20<=S<40	ENG	
2-762-163	No9:40<=S<60	ENG	
2-762-164	No9:60<=S<80	ENG	
2-762-165	No9:80<=S<100	ENG	
2-762-166	No9:100<=S<120	ENG	
2-762-167	No9:120<=S<140	ENG	
2-762-168	No9:140<=S<160	ENG	[10 to 200 / 100 / 1%/step]
2-762-169	No9:160<=S<180	ENG	
2-762-170	No9:180<=S<200	ENG	
2-762-171	No9:200<=S<220	ENG	
2-762-172	No9:220<=S<240	ENG	
2-762-173	No9:240<=S<260	ENG	
2-762-174	No9:260<=S	ENG	

2764	[PTR: Trans FF Ctl Coeff: LLL]
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2765	[PTR: Trans FF Ctl Coeff: LL]		
	<p>Adjust the correction coefficient division of the paper transfer roller in the LLL or LL condition for the FF (feed forward) control. This setting can be set to each paper type and weight.</p> <p>The 1st digit of this setting stands for the division value for the leading edge and image area. The 2nd digit of this setting stands for the division value for the trailing edge.</p> <p>“S (coverage)” is calculated by the data transfer unit when the machine gets a job.</p>		
001 to 009	BW:Plain: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
011 to 019	BW:Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
021 to 029	BW:Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
031 to 039	BW:Embossed: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
051 to 059	BW: OHP: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
061 to 069	BW:Tracing: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
071 to 079	BW:Envelope: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
081	BW:Magnet	ENG	[0 to 99 / 0 / 1/step]
101 to 109	FC:Plain: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
111 to 119	FC:Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
121 to 129	FC:Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
131 to 139	FC:Embossed: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
151 to 159	FC:OHP: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
161 to 169	FC:Tracing: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]

171 to 179	FC:Envelope: Weight 1 – Weight 9	ENG	[0 to 99 / 11 / 1/step]
181	FC:Magnet	ENG	[0 to 99 / 11 / 1/step]

2766	[PTR: Trans FF Ctl Coeff: ML]		
2767	[PTR: Trans FF Ctl Coeff: MM]		
2768	[PTR: Trans FF Ctl Coeff: MH]		
2769	[PTR: Trans FF Ctl Coeff: HH]		
	<p>Adjust the correction coefficient division of the paper transfer roller in the ML, MM, MH or LL condition for the FF (feed forward) control. This setting can be set to each paper type and weight.</p> <p>The 1st digit of this setting stands for the division value for the leading edge and image area. The 2nd digit of this setting stands for the division value for the trailing edge.</p> <p>“S (coverage)” is calculated by the data transfer unit when the machine gets a job.</p>		
001 to 009	BW:Plain: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
011 to 019	BW:Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
021 to 029	BW:Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
031 to 039	BW:Embossed: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
051 to 059	BW: OHP: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
061 to 069	BW:Tracing: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
071 to 079	BW:Envelope: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
081	BW:Magnet	ENG	[0 to 99 / 0 / 1/step]
101 to 109	FC:Plain: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
111 to 119	FC:Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]

121 to 129	FC:Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
131 to 139	FC:Embossed: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
151 to 159	FC:OHP: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
161 to 169	FC:Tracing: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
171 to 179	FC:Envelope: Weight 1 – Weight 9	ENG	[0 to 99 / 0 / 1/step]
181	FC:Magnet	ENG	[0 to 99 / 0 / 1/step]

2770	[ITB Cln Roller Volt Adjustment]		
	Turns on or off the ITB cleaning voltage adjustment for each process.		
2-770-001	Process2: On/Off	ENG	[0 or 1 / 1 / 1/step] 0: I2 (All Adj) Off 1: I2 (All Adj) On
2-770-002	Process1: On/Off	ENG	[0 or 1 / 0 / 1/step] 0: I1 (All Adj) Off 1: I1 (All Adj) On
2-770-003	Process3: On/Off	ENG	[0 or 1 / 1 / 1/step] 0: I3 (All Adj) Off 1: I3 (All Adj) On

2771	[ITB Cln Roll Current Coeff Adj]		
	Adjusts the current correction coefficient of the ITB cleaning rollers for each line speed.		
2-771-001	Std Speed	ENG	[10 to 200 / Def* / 0.1%/step] *: 100 for M238, 80 for M205
2-771-003	Low Speed	ENG	[10 to 200 / 60 / 0.1%/step]

2775	[ITB CIn R: Target Current: BW]		
	Adjusts the target current of the ITB cleaning rollers in the BW printing mode for each condition and process.		
2-775-001	BW:LLL:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-003	BW:LLL:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-005	BW:LLL:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-775-011	BW:LL:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-013	BW:LL:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-015	BW:LL:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-775-021	BW:ML:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-023	BW:ML:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-025	BW:ML:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-775-031	BW:MM:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-033	BW:MM:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-035	BW:MM:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-775-041	BW:MH:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-043	BW:MH:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-045	BW:MH:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-775-051	BW:HH:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-775-053	BW:HH:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-775-055	BW:HH:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]

2776	[ITB Cln R: Target Current: FC]		
	Adjusts the target current of the ITB cleaning rollers in the FC printing mode for each condition and process.		
2-776-001	FC:LLL:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-003	FC:LLL:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-005	FC:LLL:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-776-011	FC:LL:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-013	FC:LL:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-015	FC:LL:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-776-021	FC:ML:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-023	FC:ML:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-025	FC:ML:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-776-031	FC:MM:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-033	FC:MM:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-035	FC:MM:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-776-041	FC:MH:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-043	FC:MH:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-045	FC:MH:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]
2-776-051	FC:HH:Process2: Residual Toner	ENG	[0 to 150 / 20 / 1 uA/step]
2-776-053	FC:HH:Process1: Residual Toner	ENG	[-150 to 0 / -30 / 1 uA/step]
2-776-055	FC:HH:Process3: Residual Toner	ENG	[0 to 320 / 20 / 1 uA/step]

2777	[ITB Cln R Adj: 1st Voltage: BW]		
	Adjusts the voltage of the brush roller in the BW printing mode for the initial ITB cleaning voltage adjustment. This setting can be set to each condition and roller (process).		
2-777-001	LLL: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 2150 / 1 V/step]

2-777-003	LLL: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-777-005	LLL: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 2300 / 1 V/step]
2-777-011	LL: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 2150 / 1 V/step]
2-777-013	LL: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-777-015	LL: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 2300 / 1 V/step]
2-777-021	ML: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1600 / 1 V/step]
2-777-023	ML: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-777-025	ML: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1560 / 1 V/step]
2-777-031	MM: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1600 / 1 V/step]
2-777-033	MM: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-777-035	MM: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1560 / 1 V/step]
2-777-041	MH: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1500 / 1 V/step]
2-777-043	MH: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1400 / 1 V/step]
2-777-045	MH: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1360 / 1 V/step]
2-777-051	HH: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1500 / 1 V/step]
2-777-053	HH: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1400 / 1 V/step]

2-777-055	HH: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1360 / 1 V/step]
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2778	[ITB Cln R Adj; 1st Voltage: FC]		
	Adjusts the voltage of the brush roller in the FC printing mode for the initial ITB cleaning voltage adjustment. This setting can be set to each condition and roller (process).		
2-778-001	LLL: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 2150 / 1 V/step]
2-778-002	LLL: Brush Roll 2 (Default): Toner Patch	ENG	
2-778-003	LLL: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-778-004	LLL: Brush Roll 1 (Default): Toner Patch	ENG	
2-778-005	LLL: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 2300 / 1 V/step]
2-778-006	LLL: Brush Roll 3 (Default): Toner Patch	ENG	
2-778-011	LL: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 2150 / 1 V/step]
2-778-012	LL: Brush Roll 2 (Default): Toner Patch	ENG	
2-778-013	LL: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-778-014	LL: Brush Roll 1 (Default): Toner Patch	ENG	
2-778-015	LL: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 2300 / 1 V/step]
2-778-016	LL: Brush Roll 3 (Default): Toner Patch	ENG	

2-778-021	ML: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1600 / 1 V/step]
2-778-022	ML: Brush Roll 2 (Default): Toner Patch	ENG	
2-778-023	ML: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-778-024	ML: Brush Roll 1 (Default): Toner Patch	ENG	
2-778-025	ML: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1560 / 1 V/step]
2-778-026	ML: Brush Roll 3 (Default): Toner Patch	ENG	
2-778-031	MM: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1600 / 1 V/step]
2-778-032	MM: Brush Roll 2 (Default): Toner Patch	ENG	
2-778-033	MM: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1900 / 1 V/step]
2-778-034	MM: Brush Roll 1 (Default): Toner Patch	ENG	
2-778-035	MM: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1560 / 1 V/step]
2-778-036	MM: Brush Roll 3 (Default): Toner Patch	ENG	
2-778-041	MH: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1500 / 1 V/step]
2-778-042	MH: Brush Roll 2 (Default): Toner Patch	ENG	[0 to 4600 / 1600 / 1 V/step]
2-778-043	MH: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1400 / 1 V/step]
2-778-044	MH: Brush Roll 1 (Default): Toner Patch	ENG	

2-778-045	MH: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1360 / 1 V/step]
2-778-046	MH: Brush Roll 3 (Default): Toner Patch	ENG	
2-778-051	HH: Brush Roll 2 (Default): Residual Toner	ENG	[0 to 4600 / 1500 / 1 V/step]
2-778-052	HH: Brush Roll 2 (Default): Toner Patch	ENG	[0 to 4600 / 1600 / 1 V/step]
2-778-053	HH: Brush Roll 1 (Default): Residual Toner	ENG	[-4600 to 0 / -1400 / 1 V/step]
2-778-054	HH: Brush Roll 1 (Default): Toner Patch	ENG	
2-778-055	HH: Brush Roll 3 (Default): Residual Toner	ENG	[0 to 7600 / 1360 / 1 V/step]
2-778-056	HH: Brush Roll 3 (Default): Toner Patch	ENG	

2779	[ITB Cln Roll Adj: Voltage]		
	Adjusts the settings of each process for the ITB cleaning voltage adjustment.		
2-779-001	Potential Differ (VCC-VCB): Process2	ENG	[0 to 999 / 400 / 10 V/step]
2-779-002	Potential Differ (VCC-VCB): Process1	ENG	Adjust the reference value (different voltage between the brush roller and correction roller) for the ITB cleaning voltage adjustment.
2-779-003	Potential Differ (VCC-VCB): Process3	ENG	
2-779-011	Delta V: Process2	ENG	[0 to 250 / 100 / 10 V/step]
2-779-012	Delta V: Process1	ENG	Adjust the reference value (delta voltage) for the ITB cleaning voltage adjustment.
2-779-013	Delta V: Process3	ENG	

2-779-021	Width: Process2	ENG	[0 to 20 / 5 / 1%/step] Adjust the correction coefficient for the ITB cleaning voltage adjustment.
2-779-022	Width: Process 1	ENG	
2-779-023	Width: Process3	ENG	

2780	[ITB Belt Cleaning Motor]		
	Adjusts the settings of the ITB belt cleaning motor.		
2-780-001	Rotation Per Minute	ENG	[950.1 to 2906.2 / 1843.8 / 0.1 rpm/step]
2-780-011	Std Speed: Speed Coeff	ENG	[50.0 to 150.0 / Def* / 0.1%/step] *: 100 for M238, 80 for M205
2-780-013	Low Speed: Speed Coeff	ENG	[50.0 to 150.0 / 60 / 0.1%/step]

2800	[AC Transfer Mode: Setting]		
	Turns on or off the AC transfer mode for each paper type and weight.		
2-800-001 to 009	Plain: Weight 1 – Weight 9	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-800-011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-800-021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-800-031 to 039	Embossed: Weight 1 – Weight 9	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
2-800-055	OHP: Weight 5	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-800-061	Tracing: Weight 1	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-800-075 to 077	Envelope: Weight 5 – Weight 7	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON

2-800-081	Magnet	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
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2801	[PTR AC: Eng Spd Coeff]		
	Adjusts the correction coefficient of the AC transfer or DC transfer in the standard speed for the AC transfer mode.		
2-801-001	Standard Speed: AC	ENG	[10 to 200 / 100 / 1%/step]
2-801-011	Standard Speed: DC	ENG	[10 to 200 / Def* / 1%/step] *: 100 for M238, 80 for M205

2803	[PTR AC: Eng Spd Coeff]		
	Adjusts the correction coefficient of the AC transfer or DC transfer in the low speed for the AC transfer mode.		
2-803-001	Low Speed: AC	ENG	[10 to 200 / 100 / 1%/step]
2-803-011	Low Speed: DC	ENG	[10 to 200 / 60 / 1%/step]

2810	[AC Transfer Mode: Env Set]		
	Turns on or off the AC transfer mode for each condition. 0: Off (DC transfer) 1: On (AC transfer)		
2-810-001	LLL	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
2-810-002	LL	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
2-810-003	ML	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-810-004	MM	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
2-810-005	MH	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON

2-810-006	HH	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
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2811	[PTR AC: Env Coeff: AC]		
	Adjust the current correction coefficient of the AC transfer for the AC transfer mode. This setting can be set to each condition and mode.		
2-811-007	LLL: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-008	LLL:Toner P:Density Adj ProCon	ENG	
2-811-009	LLL: Toner Patch: BW	ENG	
2-811-010	LLL: MUSIC	ENG	
2-811-017	LL: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-018	LL:Toner P:Density Adj ProCon	ENG	
2-811-019	LL: Toner Patch: BW	ENG	
2-811-020	LL: MUSIC	ENG	
2-811-027	ML: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-028	ML:Toner P:Density Adj ProCon	ENG	
2-811-029	ML: Toner Patch: BW	ENG	
2-811-030	ML: MUSIC	ENG	
2-811-037	MM: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-038	MM:Toner P:Density Adj ProCon	ENG	
2-811-039	MM: Toner Patch: BW	ENG	
2-811-040	MM: MUSIC	ENG	
2-811-047	MH: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-048	MH:Toner P:Density Adj ProCon	ENG	
2-811-049	MH: Toner Patch: BW	ENG	
2-811-050	MH: MUSIC	ENG	

2-811-057	HH: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-811-058	HH:Toner P:Density Adj ProCon	ENG	
2-811-059	HH: Toner Patch: BW	ENG	
2-811-060	HH: MUSIC	ENG	
2-811-107	LLL: Non Image: FC	ENG	[10 to 200 / 95 / 1%/step]
2-811-108	LLL: Process Control	ENG	
2-811-109	LLL: Toner Patch: FC	ENG	
2-811-117	LL: Non Image: FC	ENG	[10 to 200 / 95 / 1%/step]
2-811-118	LL: Process Control	ENG	
2-811-119	LL: Toner Patch: FC	ENG	
2-811-127	ML: Non Image: FC	ENG	[10 to 200 / 100 / 1%/step]
2-811-128	ML: Process Control	ENG	
2-811-129	ML: Toner Patch: FC	ENG	
2-811-137	MM: Non Image: FC	ENG	[10 to 200 / 100 / 1%/step]
2-811-138	MM: Process Control	ENG	
2-811-139	MM: Toner Patch: FC	ENG	
2-811-147	MH: Non Image: FC	ENG	[10 to 200 / 100 / 1%/step]
2-811-148	MH: Process Control	ENG	
2-811-149	MH: Toner Patch: FC	ENG	
2-811-157	HH: Non Image: FC	ENG	[10 to 200 / 100 / 1%/step]
2-811-158	HH: Process Control	ENG	
2-811-159	HH: Toner Patch: FC	ENG	

2812**[PTR AC: Env Coeff: AC: LLL]**

Adjust the current correction coefficient of the AC transfer in the LLL condition for each printing mode.

2-812-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-812-101	FC	ENG	

2813	[PTR AC: Env Coeff: AC: LL]		
	Adjust the current correction coefficient of the AC transfer in the LL condition for each printing mode.		
2-813-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-813-101	FC	ENG	

2814	[PTR AC: Env Coeff: AC: ML]		
	Adjust the current correction coefficient of the AC transfer in the ML condition for each printing mode.		
2-814-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-814-101	FC	ENG	

2815	[PTR AC: Env Coeff: AC: MM]		
	Adjust the current correction coefficient of the AC transfer in the MM condition for each printing mode.		
2-815-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-815-101	FC	ENG	

2816	[PTR AC: Env Coeff: AC: MH]		
	Adjust the current correction coefficient of the AC transfer in the MH condition for each printing mode.		
2-816-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-816-101	FC	ENG	

2817	[PTR AC: Env Coeff: AC: HH]		
	Adjust the current correction coefficient of the AC transfer in the HH condition for each printing mode.		

2-817-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-817-101	FC	ENG	

2821	[PTR AC: Env Coeff: DC]		
	Adjust the current correction coefficient of the DC transfer for the AC transfer mode. This setting can be set to each condition and mode.		
2-821-007	LLL: Non Image: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-008	LLL:Toner P:Density Adj ProCon	ENG	[10 to 200 / 122 / 1%/step]
2-821-009	LLL: Toner Patch: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-010	LLL: MUSIC	ENG	[10 to 200 / 144 / 1%/step]
2-821-017	LL: Non Image: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-018	LL:Toner P:Density Adj ProCon	ENG	[10 to 200 / 122 / 1%/step]
2-821-019	LL: Toner Patch: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-020	LL: MUSIC	ENG	[10 to 200 / 144 / 1%/step]
2-821-027	ML: Non Image: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-028	ML:Toner P:Density Adj ProCon	ENG	[10 to 200 / 122 / 1%/step]
2-821-029	ML: Toner Patch: BW	ENG	[10 to 200 / 144 / 1%/step]
2-821-030	ML: MUSIC	ENG	[10 to 200 / 144 / 1%/step]
2-821-037	MM: Non Image: BW	ENG	[10 to 200 / 100 / 1%/step]
2-821-038	MM:Toner P:Density Adj ProCon	ENG	[10 to 200 / 100 / 1%/step]
2-821-039	MM: Toner Patch: BW	ENG	[10 to 200 / 100 / 1%/step]
2-821-040	MM: MUSIC	ENG	[10 to 200 / 100 / 1%/step]
2-821-047	MH: Non Image: BW	ENG	[10 to 200 / 68 / 1%/step]
2-821-048	MH:Toner P:Density Adj ProCon	ENG	[10 to 200 / 74 / 1%/step]
2-821-049	MH: Toner Patch: BW	ENG	[10 to 200 / 68 / 1%/step]
2-821-050	MH: MUSIC	ENG	[10 to 200 / 68 / 1%/step]

2-821-057	HH: Non Image: BW	ENG	[10 to 200 / 68 / 1%/step]
2-821-058	HH:Toner P:Density Adj ProCon	ENG	[10 to 200 / 74 / 1%/step]
2-821-059	HH: Toner Patch: BW	ENG	[10 to 200 / 68 / 1%/step]
2-821-060	HH: MUSIC	ENG	[10 to 200 / 68 / 1%/step]
2-821-107	LLL: Non Image: FC	ENG	[10 to 200 / 122 / 1%/step]
2-821-108	LLL: Process Control	ENG	
2-821-109	LLL: Toner Patch: FC	ENG	
2-821-117	LL: Non Image: FC	ENG	[10 to 200 / 122 / 1%/step]
2-821-118	LL: Process Control	ENG	
2-821-119	LL: Toner Patch: FC	ENG	
2-821-127	ML: Non Image: FC	ENG	[10 to 200 / 122 / 1%/step]
2-821-128	ML: Process Control	ENG	
2-821-129	ML: Toner Patch: FC	ENG	
2-821-137	MM: Non Image: FC	ENG	[10 to 200 / 100 / 1%/step]
2-821-138	MM: Process Control	ENG	
2-821-139	MM: Toner Patch: FC	ENG	
2-821-147	MH: Non Image: FC	ENG	[10 to 200 / 74 / 1%/step]
2-821-148	MH: Process Control	ENG	
2-821-149	MH: Toner Patch: FC	ENG	
2-821-157	HH: Non Image: FC	ENG	[10 to 200 / 74 / 1%/step]
2-821-158	HH: Process Control	ENG	
2-821-159	HH: Toner Patch: FC	ENG	

2822	[PTR AC: Env Coeff: DC: LLL]
	Adjust the current correction coefficient of the DC transfer in the LLL condition for each printing mode.

2-822-001	BW	ENG	[10 to 200 / 144 / 1%/step]
2-822-101	FC	ENG	[10 to 200 / 122 / 1%/step]

2823	[PTR AC: Env Coeff: DC: LL]		
	Adjust the current correction coefficient of the DC transfer in the LL condition for each printing mode.		
2-823-001	BW	ENG	[10 to 200 / 144 / 1%/step]
2-823-101	FC	ENG	[10 to 200 / 122 / 1%/step]

2824	[PTR AC: Env Coeff: DC: ML]		
	Adjust the current correction coefficient of the DC transfer in the ML condition for each printing mode.		
2-824-001	BW	ENG	[10 to 200 / 144 / 1%/step]
2-824-101	FC	ENG	[10 to 200 / 122 / 1%/step]

2825	[PTR AC: Env Coeff: DC: MM]		
	Adjust the current correction coefficient of the DC transfer in the MM condition for each printing mode.		
2-825-001	BW	ENG	[10 to 200 / 100 / 1%/step]
2-825-101	FC	ENG	

2826	[PTR AC: Env Coeff: DC: MH]		
	Adjust the current correction coefficient of the DC transfer in the MH condition for each printing mode.		
2-826-001	BW	ENG	[10 to 200 / 68 / 1%/step]
2-826-101	FC	ENG	[10 to 200 / 74 / 1%/step]

2827	[PTR AC: Env Coeff: DC: HH]		
	Adjust the current correction coefficient of the DC transfer in the HH condition for each printing mode and paper type.		

2-827-001	BW	ENG	[10 to 200 / 68 / 1%/step]
2-827-101	FC:Plain	ENG	[10 to 200 / 74 / 1%/step]
2-827-111	FC:Coated: Glossy	ENG	[10 to 200 / 92 / 1%/step]
2-827-121	FC:Coated: Matte	ENG	[10 to 200 / 92 / 1%/step]
2-827-131	FC:Embossed	ENG	[10 to 200 / 92 / 1%/step]
2-827-155	FC: OHP	ENG	[10 to 200 / 92 / 1%/step]
2-827-161	FC:Tracing	ENG	[10 to 200 / 92 / 1%/step]
2-827-175	FC:Envelope	ENG	[10 to 200 / 92 / 1%/step]
2-827-181	FC:Magnet	ENG	[10 to 200 / 92 / 1%/step]

2831	[PTR AC: BW: Non Image]		
	Adjusts the standard settings in the BW printing mode for the non image area of the AC transfer mode.		
2-831-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the non image area of the AC transfer mode.
2-831-002	AC_DC	ENG	[-400 to 0 / -50 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the non image area of the AC transfer mode.
2-831-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the non image area of the AC transfer mode.
2-831-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the non image area of the AC transfer mode.

2832	[PTR AC:TnrPatch:DenAdj ProCon]		
	Adjusts in the BW printing mode for the process control of the AC transfer mode.		

2-832-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the process control of the AC transfer mode.
2-832-002	AC_DC	ENG	[-400 to 0 / -114 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the process control of the AC transfer mode.
2-832-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the process control of the AC transfer mode.
2-832-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the process control of the AC transfer mode.

2833	[PTR AC: BW: Toner Patch]		
	Adjusts in the BW printing mode for the toner patch creation of the AC transfer mode.		
2-833-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the toner patch creation of the AC transfer mode.
2-833-002	AC_DC	ENG	[-400 to 0 / -50 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the process control of the AC transfer mode.
2-833-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the toner patch creation of the AC transfer mode.
2-833-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the toner patch creation of the AC transfer mode.

2834	[PTR AC: MUSIC]		
	Adjusts in the FC printing mode for the MUSIC of the AC transfer mode.		
2-834-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the MUSIC of the AC transfer mode.
2-834-002	AC_DC	ENG	[-400 to 0 / -50 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the MUSIC of the AC transfer mode.
2-834-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the MUSIC of the AC transfer mode.
2-834-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step]

2835	[PTR AC: FC: Non Image]		
	Adjusts in the FC printing mode for the non image area of the AC transfer mode.		
2-835-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the non image area of the AC transfer mode.
2-835-002	AC_DC	ENG	[-400 to 0 / -114 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the non image area of the AC transfer mode.
2-835-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the non image area of the AC transfer mode.
2-835-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the non image area of the AC transfer mode.

2836	[PTR AC: Process Control]		
	Adjusts in the FC printing mode for the process control of the AC transfer mode.		
2-836-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the process control of the AC transfer mode.
2-836-002	AC_DC	ENG	[-400 to 0 / -114 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the process control of the AC transfer mode.
2-836-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the process control of the AC transfer mode.
2-836-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the process control of the AC transfer mode.

2837	[PTR AC: FC: Toner Patch]		
	Adjusts in the FC printing mode for the toner patch creation of the AC transfer mode.		
2-837-001	AC	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step] Adjusts the voltage for the toner patch creation of the AC transfer mode.
2-837-002	AC_DC	ENG	[-400 to 0 / -114 / 1 uA/step] Adjusts the current different between the AC transfer and DC transfer for the toner patch creation of the AC transfer mode.
2-837-003	AC Frequency	ENG	[400 to 2000 / 1500 / 1 Hz/step] Adjusts the AC frequency for the toner patch creation of the AC transfer mode.

2-837-004	Duty Ratio	ENG	[50 to 95 / 85 / 1%/step] Adjusts the duty ratio for the toner patch creation of the AC transfer mode.
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2840	[PTR AC: AC: BW: Side1]		
2841	[PTR AC: AC: BW: Side2]		
	Adjusts the AC transfer voltage on the 1st or 2nd side of paper in the BW printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
031 to 039	Embossed: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
055	OHP: Weight 5	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
061	Tracing: Weight 1	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
081	Magnet	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]

2842	[PTR AC: DC: BW: Side1]		
2843	[PTR AC: DC: BW: Side2]		
	Adjusts the DC transfer voltage on the 1st or 2nd side of paper in the BW printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[-400 to 0 / -50 / 1 uA/step]
011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[-400 to 0 / -50 / 1 uA/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[-400 to 0 / -50 / 1 uA/step]

031 to 039	Embossed: Weight 1 – Weight 9	ENG	[-400 to 0 / -50 / 1 uA/step]
055	OHP: Weight 5	ENG	[-400 to 0 / -50 / 1 uA/step]
061	Tracing: Weight 1	ENG	[-400 to 0 / -50 / 1 uA/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[-400 to 0 / -50 / 1 uA/step]
081	Magnet	ENG	[-400 to 0 / -50 / 1 uA/step]

2844	[PTR AC: L Edge Coeff: AC: BW]		
2845	[PTR AC: L Edge Coeff: DC: BW]		
	Adjusts the leading edge correction coefficient of AC or DC transfer in the BW printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
031 to 039	Embossed: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
055	OHP: Weight 5	ENG	[5 to 255 / 100 / 1%/step]
061	Tracing: Weight 1	ENG	[5 to 255 / 100 / 1%/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[5 to 255 / 100 / 1%/step]
081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2846	[PTR AC: L Edge Length: BW]		
	Adjusts the leading edge switching length of AC and DC transfer in the BW printing mode.		
2-846-001	-	ENG	[0 to 30 / 11 / 1 mm/step]

2847	[PTR AC: T Edge Coeff: AC: BW]		
	Adjusts the trailing edge correction coefficient of AC transfer in the BW printing mode for each paper type and weight.		
2-847-001 to 004	Plain: Weight 1 – Weight 4	ENG	[5 to 255 / 100 / 1%/step]
2-847-005 to 009	Plain: Weight 5 – Weight 9	ENG	[5 to 255 / 70 / 1%/step]
2-847-011 to 014	Coated: Glossy: Weight 1 – Weight 4	ENG	[5 to 255 / 100 / 1%/step]
2-847-015 to 019	Coated: Glossy: Weight 5 – Weight 9	ENG	[5 to 255 / 70 / 1%/step]
2-847-021 to 024	Coated: Matte: Weight 1 – Weight 4	ENG	[5 to 255 / 100 / 1%/step]
2-847-025 to 029	Coated: Matte: Weight 5 – Weight 9	ENG	[5 to 255 / 70 / 1%/step]
2-847-031 to 039	Embossed: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
2-847-055	OHP: Weight 5	ENG	[5 to 255 / 70 / 1%/step]
2-847-061	Tracing: Weight 1	ENG	[5 to 255 / 100 / 1%/step]
2-847-075 to 077	Envelope: Weight 5 – Weight 7	ENG	[5 to 255 / 70 / 1%/step]
2-847-081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2848	[PTR AC: T Edge Coeff: DC: BW]		
	Adjusts the trailing edge correction coefficient of DC transfer in the BW printing mode for each paper type and weight.		
2-848-001 to 004	Plain: Weight 1 – Weight 4	ENG	[5 to 600 / 100 / 1%/step]
2-848-005 to 009	Plain: Weight 5 – Weight 9	ENG	[5 to 600 / 70 / 1%/step]

2-848-011 to 014	Coated: Glossy: Weight 1 – Weight 4	ENG	[5 to 600 / 100 / 1%/step]
2-848-015 to 019	Coated: Glossy: Weight 5 – Weight 9	ENG	[5 to 600 / 70 / 1%/step]
2-848-021 to 024	Coated: Matte: Weight 1 – Weight 4	ENG	[5 to 600 / 100 / 1%/step]
2-848-025 to 029	Coated: Matte: Weight 5 – Weight 9	ENG	[5 to 600 / 70 / 1%/step]
2-848-031 to 039	Embossed: Weight 1 – Weight 9	ENG	[5 to 600 / 100 / 1%/step]
2-848-055	OHP: Weight 5	ENG	[5 to 600 / 70 / 1%/step]
2-848-061	Tracing: Weight 1	ENG	[5 to 600 / 100 / 1%/step]
2-848-075 to 077	Envelope: Weight 5 – Weight 7	ENG	[5 to 600 / 70 / 1%/step]
2-848-081	Magnet	ENG	[5 to 600 / 100 / 1%/step]

2849	[PTR AC: T Edge Length: BW]		
	Adjusts the trailing edge switching length in the BW printing mode for AC and DC transfer.		
2-849-001	AC	ENG	[0 to 100 / 30 / 1 mm/step]
2-849-101	DC	ENG	[0 to 160 / 31 / 1 mm/step]

2850	[PTR AC: AC: FC: Side1]		
2851	[PTR AC: AC: FC: Side2]		
	Adjusts the AC transfer voltage on the 1st or 2nd side of paper in the FC printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]

031 to 039	Embossed: Weight 1 – Weight 9	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
055	OHP: Weight 5	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
061	Tracing: Weight 1	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]
081	Magnet	ENG	[0 to 8.00 / 6.4 / 0.01 kV/step]

2852	[PTR AC: DC: FC: Side1]		
2853	[PTR AC: DC: FC: Side2]		
	Adjusts the DC transfer voltage on the 1st or 2nd side of paper in the FC printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
031 to 039	Embossed: Weight 1 – Weight 9	ENG	[-400 to 0 / -114 / 1 uA/step]
055	OHP: Weight 5	ENG	[-400 to 0 / -114 / 1 uA/step]
061	Tracing: Weight 1	ENG	[-400 to 0 / -114 / 1 uA/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[-400 to 0 / -114 / 1 uA/step]
081	Magnet	ENG	[-400 to 0 / -114 / 1 uA/step]

2854	[PTR AC: L Edge Coeff: AC: FC]		
2855	[PTR AC: L Edge Coeff: DC: FC]		
	Adjusts the leading edge correction coefficient of AC or DC transfer in the FC printing mode for each paper type and weight.		
001 to 009	Plain: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]

011 to 019	Coated: Glossy: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
021 to 029	Coated: Matte: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
031 to 039	Embossed: Weight 1 – Weight 9	ENG	[5 to 255 / 100 / 1%/step]
055	OHP: Weight 5	ENG	[5 to 255 / 100 / 1%/step]
061	Tracing: Weight 1	ENG	[5 to 255 / 100 / 1%/step]
075 to 077	Envelope: Weight 5 – Weight 7	ENG	[5 to 255 / 100 / 1%/step]
081	Magnet	ENG	[5 to 255 / 100 / 1%/step]

2856	[PTR AC: L Edge Length: FC]		
	Adjusts the leading edge switching length of AC and DC transfer in the FC printing mode.		
2-856-001	-	ENG	[0 to 30 / 11 / 1 mm/step]

2857	[PTR AC: T Edge Coeff: AC: FC]		
	Adjusts the trailing edge correction coefficient of AC transfer in the FC printing mode for each paper type and weight.		
2-857-001 to 004	Plain: Weight 1 – Weight 4	ENG	[0 to 255 / 100 / 1%/step]
2-857-005 to 009	Plain: Weight 5 – Weight 9	ENG	[0 to 255 / 70 / 1%/step]
2-857-011 to 014	Coated: Glossy: Weight 1 – Weight 4	ENG	[0 to 255 / 100 / 1%/step]
2-857-015 to 019	Coated: Glossy: Weight 5 – Weight 9	ENG	[0 to 255 / 70 / 1%/step]
2-857-021 to 024	Coated: Matte: Weight 1 – Weight 4	ENG	[0 to 255 / 100 / 1%/step]
2-857-025 to 029	Coated: Matte: Weight 5 – Weight 9	ENG	[0 to 255 / 70 / 1%/step]

2-857-031 to 039	Embossed: Weight 1 – Weight 9	ENG	[0 to 255 / 100 / 1%/step]
2-857-055	OHP: Weight 5	ENG	[0 to 255 / 70 / 1%/step]
2-857-061	Tracing: Weight 1	ENG	[0 to 255 / 100 / 1%/step]
2-857-075 to 077	Envelope: Weight 5 – Weight 7	ENG	[0 to 255 / 70 / 1%/step]
2-857-081	Magnet	ENG	[0 to 255 / 100 / 1%/step]

2858	[PTR AC: T Edge Coeff. DC: FC]		
	Adjusts the trailing edge correction coefficient of DC transfer in the FC printing mode for each paper type and weight.		
2-858-001 to 004	Plain: Weight 1 – Weight 4	ENG	[5 to 400 / 100 / 1%/step]
2-858-005 to 009	Plain: Weight 5 – Weight 9	ENG	[5 to 400 / 70 / 1%/step]
2-858-011 to 014	Coated: Glossy: Weight 1 – Weight 4	ENG	[5 to 400 / 100 / 1%/step]
2-858-015 to 019	Coated: Glossy: Weight 5 – Weight 9	ENG	[5 to 400 / 70 / 1%/step]
2-858-021 to 024	Coated: Matte: Weight 1 – Weight 4	ENG	[5 to 400 / 100 / 1%/step]
2-858-025 to 029	Coated: Matte: Weight 5 – Weight 9	ENG	[5 to 400 / 70 / 1%/step]
2-858-031 to 039	Embossed: Weight 1 – Weight 9	ENG	[5 to 400 / 100 / 1%/step]
2-858-055	OHP: Weight 5	ENG	[5 to 400 / 70 / 1%/step]
2-858-061	Tracing: Weight 1	ENG	[5 to 400 / 100 / 1%/step]
2-858-075 to 077	Envelope: Weight 5 – Weight 7	ENG	[5 to 400 / 70 / 1%/step]
2-858-081	Magnet	ENG	[5 to 400 / 100 / 1%/step]

2859	[PTR AC: T Edge Length: FC]		
	Adjusts the trailing edge switching length in the FC printing mode for AC and DC transfer.		
2-859-001	AC	ENG	[0 to 100 / 30 / 1 mm/step]
2-859-101	DC	ENG	[0 to 160 / 31 / 1 mm/step]

2871	[PTR AC: Frequency: BW]		
	Adjusts the standard AC frequency in the BW printing mode.		
2-871-001	-	ENG	[400 to 2000 / 1500 / 1 Hz/step]

2872	[PTR AC: Duty Ratio: BW]		
	Adjusts the standard duty ratio of the AC transfer in the BW printing mode.		
2-872-001	-	ENG	[50 to 95 / 85 / 1%/step]

2881	[PTR AC: Frequency: FC]		
	Adjusts the standard AC frequency in the FC printing mode.		
2-881-001	-	ENG	[400 to 2000 / 1500 / 1 Hz/step]

2882	[PTR AC: Duty Ratio: FC]		
	Adjusts the standard duty ratio of the AC transfer in the FC printing mode.		
2-882-001	-	ENG	[50 to 95 / 85 / 1%/step]

2899	[AC Transfer Equipment Set]		
	2-899-001	0: Equipped, 1: Not Equipped	ENG

2906	[Stop Time Reverse Ctrl]		
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2-906-001	Set Rev Execute: PTR	ENG	[0 to 500 / 0 / 10 msec/step] Adjusts the execution time for the stop and reverse rotation of the paper transfer belt motor.
2-906-002	Set Interrupt Exe Interval: PTR	ENG	[0 to 2000 / 0 / 100 page/step] Adjusts the interval of the forced execution for the stop and reverse rotation of the paper transfer belt motor.
2-906-011	Set Rev Execute: ITB	ENG	[0 to 500 / 0 / 10 msec/step] Adjusts the execution time for the stop and reverse rotation of the ITB motor.
2-906-012	Set Interrupt Exe Interval: ITB	ENG	[0 to 2000 / 0 / 100 page/step] Adjusts the interval of the forced execution for the stop and reverse rotation of the ITB motor.

2907	[ACS Switch Set]		
	Adjusts the threshold for changing the printing mode from FC to BW when the machine gets a continuous printing job of the BW printing mode during the FC printing.		
2-907-001	FC to BW	ENG	[0 to 10 / 0 / 1 sheet/step]
2-907-010	FC Fixed Warm Up	ENG	[0 or 1 / 0 / 1/step]

2908	[Image Process Set Value]		
	2-908-001	Drum Pre-rotation Time 1	ENG
	2-908-002	Drum Pre-rotation Time2	ENG

			[0 to 10.0 / Def* / 0.1 sec/step] *: 2 for M238, 2.5 for M205 Adjusts the pre-rotation time 1 of the drum motor.
			[0 to 10.0 / 0 / 0.1 sec/step] Adjusts the pre-rotation time 2 of the drum motor.

2-908-003	Drum Pre-rotate: LLL-ML: 1st	ENG	[0 to 10.0 / Def* / 0.1 sec/step] *: 1 for M238, 1.3 for M205 Adjusts the additional pre-rotation time 1 of the drum motor for the LLL, LL, and ML conditions.
2-908-004	Drum Pre-rotate: MM-HH: 1st	ENG	[0 to 10.0 / Def* / 0.1 sec/step] *: 0 for M238, 0.5 for M205 Adjusts the additional pre-rotation time 1 of the drum motor for the MM, MH and HH conditions.
2-908-005	Drum Pre-rotate: LLL-ML: 2nd	ENG	[0 to 10.0 / Def* / 0.1 sec/step] *: 2 for M238, 2.5 for M205 Adjusts the additional pre-rotation time 2 of the drum motor for the LLL, LL, and ML conditions.
2-908-006	Drum Pre-rotate: MM-HH: 2nd	ENG	[0 to 10.0 / Def* / 0.1 sec/step] *: 1 for M238, 1.3 for M205 Adjusts the additional pre-rotation time 2 of the drum motor for the MM, MH and HH conditions.
2-908-010	SC/Jam History	ENG	[0 or 1 / 0 / 1/step] Sets the SC and paper jam alert.
2-908-011	Recovery: Dev Motor Rotation Time	ENG	[0 to 10.0 / 0.3 / 0.1 sec/step] Adjusts the rotation time of the development motor at the machine recovery to prevent the drum from being locked.
2-908-012	Recovery: Operation Time	ENG	[0 to 50 / 10 / 1 sec/step] Adjusts the additional operation time of the machine at the machine recovery to remove residual toner on the ITB.

2912

[Encoder Sn:Adj Light]

2-912-001	Adj Light Amt	ENG	[Execute] Executes the strength adjustment of the LED beam for the ITB belt speed sensors.
2-912-002	Light Amt Adj:Pass/Fail	ENG	[0 to 9 / 0 / 1/step] 0: Not Executed 1: Succeeded 2: Execution interrupted 7: Main sensor failure 8: Sub sensor failure 9: Main, Sub sensors failure Displays the result of the LED beam adjustment.
2-912-003	Vref_Dis:Main Setting	ENG	[0 to 2.45 / 0 / 0.01 V/step] Displays the LED beam amount of the main sensor.
2-912-004	Vref_Dis:Sub Setting	ENG	[0 to 2.45 / 0 / 0.01 V/step] Displays the LED beam amount of the sub sensor.
2-912-005	Analog Out:Main:After F Adj	ENG	[0 to 5.00 / 0 / 0.01 V/step] Displays the analog output from the main sensor.
2-912-006	Analog Out:Sub:After F Adj	ENG	[0 to 5.00 / 0 / 0.01 V/step] Displays the analog output from the sub sensor.

2913	[Encoder Sn:Output Disp]		
	Displays the values (average, maximum and minimum) for the analog output from the ITB belt speed sensors (main and sub sensors).		
2-913-001	Analog:Ave:Main	ENG	[0 to 255 / 0 / 1/step]
2-913-002	Analog:Max:Main	ENG	[0 to 255 / 0 / 1/step]
2-913-003	Analog:Min:Main	ENG	[0 to 255 / 0 / 1/step]

2-913-004	Analog:Ave:Sub	ENG	[0 to 255 / 0 / 1/step]
2-913-005	Analog:Max:Sub	ENG	[0 to 255 / 0 / 1/step]
2-913-006	Analog:Min:Sub	ENG	[0 to 255 / 0 / 1/step]

2914	[Encoder Sn:Get 1stPhase]		
	Resets and initializes the phase of the ITB belt speed sensors.		
2-914-001	Standard Line Speed:Execute	ENG	[0 or 1 / 0 / 1/step] 1: Execute
2-914-002	Low Line Speed:Execute	ENG	[0 or 1 / 0 / 1/step] 1: Execute
2914	[EncoderSn:Disp/Set 1stPhase]		
2-914-003	Standard Phase Disp/Set	ENG	[0 to 65535 / 0 / 1/step]
2-914-004	Low Phase Disp/Set	ENG	[0 to 65535 / 0 / 1/step]

2915	[Encoder Sn Ctrl Condition]		
	These SP codes enable the scaled feed-back control and display information about SC499. SC499 is issued when the ITB sensor that reads the encoded film strip on the front edge of the image transfer belt does not operate correctly. (The TDCU constantly monitors operation of the ITB with transfer feed-back control.)		
2-915-001	Scale FB Control Enable	ENG	[0 or 1 / 1 / 1/step] 0: Disable, 1: Enable Displays the state of the feed back control. The machine sets this setting to "0" after the ITB belt speed sensors has detected an error three times. The machine returns this setting to "1" after the SP2-912-002 is executed successfully.

2-915-002	SC499 Occurrences	ENG	[0 to 3 / 0 / 1/step] Displays the number of issued SC499. The machine returns this setting to "0" after the SP2-912-002 is executed successfully.
2-915-003	MUSIC Executions After SC499	ENG	[0 or 1 / 0 / 1/step] 0: Not Execute MUSIC 1: Execute MUSIC Displays the state of the feed back control. The machine sets this setting to "1" after the ITB belt speed sensors have detected an error or the SP2-912-002 is executed successfully. The machine sets this setting to "0" after MUSIC has been executed.

2917	[PTB Motor 1: Speed Adj]		
	Adjusts the correction coefficient of the process speed for the paper transport belt motor 1.		
2-917-001	-	ENG	[0 to 6.0 / 0 / 0.1%/step]

2918	[PTB Motor 2: Speed Adj]		
	Adjusts the correction coefficient of the process speed for the paper transport belt motor 2.		
2-918-001	-	ENG	[0 to 6.0 / 2.0 / 0.1%/step]

2919	[Encoder Sn Ctl: Spd Adj Enable]		
	Turns on or off the ITB speed control (feed back control).		
2-919-001	Encoder Sn Ctl: Spd Adj Enable	ENG	[0 or 1 / 1 / 1/step] 0: Off, 1: On

2919	[Encoder Sn Ctl: Spd Adj Gain]		
	Resets and initializes the settings of the ITB feed back control for the each line speed.		
2-919-002	Spd Adj Gain: All Execute	ENG	[0 or 1 / 0 / 1/step] For the standard and low speed
2-919-003	Std Spd Adj Gain: Execute	ENG	[0 or 1 / 0 / 1/step] For the standard speed
2-919-004	Low Spd Adj Gain: Execute	ENG	[0 or 1 / 0 / 1/step] For the low speed

2919	[EncoderSn Ctl: SpdAdj Disp/Set]		
	Stores and displays the ITB speed.		
2-919-005	Standard Spd Display/Set	ENG	[-300 to 300 / 0 / 1/step]
2-919-006	Low Spd Display/Set	ENG	[-300 to 300 / 0 / 1/step]

2919	[Encoder Sn Ctl: Spd Adj Result]		
	Displays the result of gaining the ITB speed for each line speed.		
2-919-007	Standard Spd Gain: Result	ENG	[0 or 1 / 0 / 1/step] 0: Not executed or failure 1: Executed correctly
2-919-008	Low Spd Gain: Result	ENG	[0 or 1 / 0 / 1/step] 0: Not executed or failure 1: Executed correctly

2920	[Steering Control Roller]		
	Initialize Belt Position		
2-920-001	Initialize Belt Position	ENG	[0 or 1 / 0 / 1/step] This SP must be executed after replacing the ITB. This SP initializes the position of the new belt on the rollers.

2-920-002	Stable Position of Steering Roller	ENG	[-200 to 200 / 0 / 1/step] Displays the stable belt position. This value is stored from the TDCU.
2-920-004	Previous Integral Control Value	ENG	[-200 to 200 / 0 / 1/step] Displays the integral value of the stable belt position.
2-920-005	LED PWM of Belt Position Sensor	ENG	[0 to 80.0 / 70 / 0.1%/step] Adjusts the power of the ITB belt centering sensor.
2-920-006	Threshold for Control Rock	ENG	[0 to 1000 / 30 / 1/step] Adjusts the threshold of the LED power adjustment for the ITB belt centering sensor.
2-920-007	Threshold for Sensor Error	ENG	[0 to 1.00 / 0.1 / 0.01 V/step] Adjusts the threshold of the sensor error for the ITB belt centering sensor.
2-920-008	Threshold for PWM Control	ENG	[0 to 2.00 / 0.3 / 0.01 V/step] Adjusts the threshold of the LED power control for the ITB belt centering sensor.
2-920-009	Sum of Sensor Output	ENG	[0 to 10.00 / 0 / 0.01 V/step] Displays the sum of the sensor output from the ITB belt centering sensor.
2-920-010	Ratio of Sensor Output	ENG	[-1 to 1 / 0 / 0.001 V/step] Displays the ratio of the sensor output from the ITB belt centering sensor.

2927	[Factory Adjust Use]		
2-927-007	Replace Adjust Operation: ON/OFF	ENG	[0 or 1 / 1 / 1/step] Turns on or off the adjustment operation.

2-927-008	Replace Adjust Operation: Item	ENG	[0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] This SP is used for memorizing the operation items.
2-927-009	Replace Adjust Operation: History	ENG	[0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] This SP is used for memorizing the operation history.
2-927-010	Replace Adjust Operation: Reset	ENG	[0 or 1 / 0 / 1/step] Clears the SP2-927-009.

2930	[PTR High Press Mode Setting]		
	Adjusts the pressure position of the PTR for each paper type and weight. 0: OFF 1: ON: Pressure 1 2: ON: Pressure 2 3: ON: Pressure 3 (Highest pressure)		
2-930-001 to 008	Plain:Weight 1 – Weight 8	ENG	[0 to 3 / 0 / 1/step]
2-930-009	Plain:Weight 9	ENG	[0 to 3 / 1 / 1/step]
2-930-011 to 018	Glossy:Weight 1 – Weight 8	ENG	[0 to 3 / 0 / 1/step]
2-930-019	Glossy:Weight 9	ENG	[0 to 3 / 1 / 1/step]
2-930-021 to 028	Matte:Weight 1 – Weight 8	ENG	[0 to 3 / 0 / 1/step]
2-930-029	Matte:Weight 9	ENG	[0 to 3 / 1 / 1/step]
2-930-031 to 039	Embossed:Weight 1 – Weight 9	ENG	[0 to 3 / 3 / 1/step]
2-930-055	OHP:Weight 5	ENG	[0 to 3 / 0 / 1/step]
2-930-061	Tracing:Weight 1	ENG	[0 to 3 / 0 / 1/step]

2-930-075 to 077	Envelope:Weight 5 – Weight 7	ENG	[0 to 3 / 0 / 1/step]
2-930-081	Magnet	ENG	[0 to 3 / 0 / 1/step]

2931	[PTR Pressure Motor Adj.]		
	Adjusts the movement of the paper transfer belt lift motor for each position.		
2-931-001	Pressure 1	ENG	[0 to 1600 / 1275 / 1/step]
2-931-002	Pressure 2	ENG	[0 to 1600 / 1400 / 1/step]
2-931-003	Pressure 3	ENG	[0 to 1600 / 1500 / 1/step]
2-931-011	Customer Setting Value	ENG	[0 to 500 / 40 / 1/step]

2949	[Process Interval]		
2-949-001	Additional Time: Sleep Mode	ENG	[0 to 10 / 0 / 1 sec/step] Adjusts the additional time of the judgment for stopping the machine operation after the end of a job.
2-949-011	Dev Motor Stop: BW Mode	ENG	[0 to 1.63* or 2.04* / 0 / 0.01 sec/step] *: 1.63 for M238, 2.04 for M205 Adjusts the additional time for the development motor stop in the BW printing mode.
2-949-012	Dev Motor Stop: FC Mode	ENG	[0 to 1.63* or 2.04* / 0 / 0.01 sec/step] *: 1.63 for M238, 2.04 for M205 Adjusts the additional time for the development motor stop in the FC printing mode.

2990	[Polygon Motor On/Off Times]		
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2-990-001	Bk	ENG	[0 to 999999/ 0 / 1/step] Displays the On-Off switching times of the polygon motor for each color.
2-990-002	Cy	ENG	
2-990-003	Ma	ENG	
2-990-004	Ye	ENG	

Group 3000 (1/3)

SP3-011 to -251 (Process)

3

3011	[Manual ProCon :Exe]		
3-011-001	Normal ProCon	ENG	[- / - / -] [Execute]
	Executes Process Control		
3-011-002	Density Adjustment	ENG	[- / - / -] [Execute]
	Executes Density Adjustment Process Control.		
3-011-003	ACC RunTime ProCon	ENG	[- / - / -] [Execute]
	Executes ACC Run Time Process Control.		
3-011-004	Full MUSIC	ENG	[- / - / -] [Execute]
	Executes Process Control/Full MUSIC		
3-011-005	Normal MUSIC	ENG	[- / - / -] [Execute]
	Executes Process Control/Normal MUSIC.		

3012	[ProCon OK?]		
Displays result per color, from left 2 digits each, with order of YMCK. *Refer below for result detail.			
3-012-001	History:Latest	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the latest Process Control execution result.		
3-012-002	History:2Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the second latest Process Control execution result.		

3-012-003	History:3Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the third latest Process Control execution result.		
3-012-004	History:4Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the fourth latest Process Control execution result.		
3-012-005	History:5Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the fifth latest Process Control execution result.		
3-012-006	History:6Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the sixth latest Process Control execution result.		
3-012-007	History:7Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the seventh latest Process Control execution result.		
3-012-008	History:8Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the eighth latest Process Control execution result.		
3-012-009	History:9Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the ninth latest Process Control execution result.		
3-012-010	History:10Times Before	ENG	[0 to 99999999 / 0 / 1/step]
	Displays the tenth latest Process Control execution result.		
3-012-011	History:Latest FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-012	History:2Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-013	History:3Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-014	History:4Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-015	History:5Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-016	History:6Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-017	History:7Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-018	History:8Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-019	History:9Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]
3-012-020	History:10Times Before FR	ENG	[0 to 9999 / 0000 / 1/step]

SP3-012 Display result detail

Category	Code	Result name	Description
00 and lager	00	Not executed	Factory default setting(SP default)
10 and lager Result(Normal)	11	Succeed	-
20 and lager ID Sensor	21	ID Sensor Vsg adjust error	Out of range from $V_{sg}=4.0\pm x.x[V/step]$
	22	ID Sensor LED Adjust error	$I_{fsg}>Max$
	23	ID Sensor Output error(Positive reflect)	$V_{sg_reg}<Min(Max)$
	24	ID Sensor output error(Diffusion reflect)	$V_{sg_dif}<Min(Max)$
	25	ID Sensor offset Voltage error(Positive reflect)	$V_{offset_reg}>Max$
	26	ID Sensor offset Voltage error(Diffusion reflect)	$V_{offset_dif}>Max$

45 and lager ID Pattern detect	45	ID Pattern extract error	Can not detect ID Pattern
	50	Vmin_Bk/K2 error(Max)	K:Vmin_Bk / CMY:K2>Max
	51	Vmin_Bk/K2 error(Min)	K:Vmin_Bk / CMY:K2<Min
	52	K5 error(Max)	K5>Max
	53	K5 error(Min)	K5<Min
	54	K5 calculated approximate point error	K5 calculated approximate point <Min
	55	Develop gamma error(Max)	Develop gamma >Max
	56	Develop gamma error(Min)	Develop gamma <Min
	57	Start developing voltage:Vk error(Max)	Start developing voltage:Vk>Max
	58	Start developing voltage:Vk error(Min)	Start developing voltage:Vk<Min
	59	Not enough valid data	Adhesion amount data for develop gamma calculation point is under 2
60 and lager Potential adjust	61	LD won't light	P patter is not written.
	62	Residual potential:Vr error	Vr>Max
	63	Electrified potential:Vd adjust error	Vd can not be adjusted in target range.
	64	Exposure potential:Vpl adjust error	Vpl can not be adjusted in target range
90 and lager Result(End)	90	Potential not adjust	Potential control method is set as [0:FIX]
	99	Kill	Kill by door open, power off, error. (Set when execute.)

Note

- Execute result sample (In order of YMCK from left)
- Factory default(SP default):[00,00,00,00]

- Starting adjust:[99,99,99,99]
- Fail Vsg adjust(Y):[21,99,99,99]
- Error of Develop gamma Max(C):[99,99,55,99]
- Succeed:[11,11,11,11]

3014	[IBACC OK?]		
	Displays the execution result of IBACC. <Execution result> 0: Not executed 1: Success 2: Pattern extraction error 4: Density increasing error 5: Density decreasing error 6: Gradation error 9: Forced end		
3-014-001	History:Latest	ENG	[0 to 9999 / 0000 / 1/step]
3-014-002	History:2Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-003	History:3Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-004	History:4Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-005	History:5Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-006	History:6Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-007	History:7Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-008	History:8Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-009	History:9Times Before	ENG	[0 to 9999 / 0000 / 1/step]
3-014-010	History:10Times Before	ENG	[0 to 9999 / 0000 / 1/step]

3022	[Developer Emission: Exe]		
	3-022-001	Execute: ALL	ENG [0 or 1 / 0 / 1/step]
	3-022-002	Execute: COL	ENG [0 or 1 / 0 / 1/step]
	3-022-003	Execute: K	ENG [0 or 1 / 0 / 1/step]

3-022-004	Execute: C	ENG	[0 or 1 / 0 / 1/step]
3-022-005	Execute: M	ENG	[0 or 1 / 0 / 1/step]
3-022-006	Execute: Y	ENG	[0 or 1 / 0 / 1/step]
3-022-007	Select:From Left:YMCK	ENG	[0x00 to 0x0F / 0x00 / 1/step]
3-022-008	Execute: Selected Color	ENG	[0 or 1 / 0 / 1/step]
3-022-011	Setup: Drive Time	ENG	[0 to 255 / 150 / 1 sec/step]
3-022-012	Setup: Additional Drive Time	ENG	[0 to 255 / 30 / 1 sec/step]
3-022-013	Setup: Emission Vt	ENG	[0 to 5 / 1.5 / 0.01 V/step]
3-022-014	Setup: TC Adjust Before Emission	ENG	[0 or 1 / 0 / 1/step] 0: Not refer to the implementation result of TC adjustment 1: Refer to the implementation result of TC adjustment

3023	[Developer Emission: Exe Result]		
	Displays the execution result of developer emission.		
3-023-001	From Left:YMCK	ENG	[0000 to 9999 / 1111 / 1/step] Successful returns: "1111" 1: Succeeded 2: No developer exited 4: Waste toner bottle full 5: Development motor lock 6: Waste toner transport motor lock 7: Fan lock 8: TC down before developer emitting failed 9: Forced abort

3024	[Developer Fill :Exe]		
	Executes when filling Developer. (the mode filling Development Unit with Developer)		

3-024-001	Execute: ALL	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-002	Execute: COL	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-003	Execute: K	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-004	Execute: C	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-005	Execute: M	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-006	Execute: Y	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-007	Select:From Left:YMCK	ENG	[0x00 to 0x0F / 0x00 / 1/step]
	Selects when filling Developer. (the mode filling Development Unit with Developer)		
3-024-008	Execute: Selected Color	ENG	[0 or 1 / 0 / 1/step]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
3-024-011	Setup: Vtcnt: K	ENG	[0 to 5 / 4 / 0.01 V/step]
3-024-012	Setup: Vtcnt: C	ENG	[0 to 5 / 4 / 0.01 V/step]
3-024-013	Setup: Vtcnt: M	ENG	[0 to 5 / 4 / 0.01 V/step]
3-024-014	Setup: Vtcnt: Y	ENG	[0 to 5 / 4 / 0.01 V/step]
3-024-015	Setup: Drive Time	ENG	[0 to 255 / 60 / 1 sec/step]

3-024-016	Setup: Emission Vt	ENG	[0 to 5 / 1.5 / 0.01 V/step]
3-024-017	Setup: Fill Vt	ENG	[0 to 5 / 2.5 / 0.01 V/step]

3025	[Developer Fill: Exe Result]		
	Displays the result of Developer Filling executed with SP3024.. *Refer below for result detail.		
3-025-001	From Left:YMCK	ENG	[0000 to 9999 / 1111 / 1/step] Successful returns: "1111"

Results and details of SP3-025

0	Not Executed	(Default)
1	Succeeded	-
2	Developer Remaining	Remains the developer. Could not fill the developer at once and has to execute again. Cleaning the development unit is not enough. Clear the Developer PM Counter, and execute again.
3	No Developer	No developer in the development unit. Fill the developer.
4	Used Toner Full	Used toner is full. Change the used toner bottle and execute the developer filling again.
5	Development Motor Locked	Detecting the development motor locking. Pull out the development unit and rotate the agitation screws to the left five times. If the development motor locking is still detecting, it might be the development unit trouble, development motor trouble, or TDCU trouble. Do the measure for SC324 (reattaching the motor connector or replacing the motor).
6	Used Toner Motor Locked	Detecting the used toner motor locking. Do the measure for SC485 and SC486 (reattaching the motor connector, replacing the motor, or solving the load abnormality.)
9	Forced Termination	Forced termination due to the door opening, shutting down, or some errors. Do the developer filling execution again.

3028	[TC Down Bf Developer Emit: Exe]		
	To keep the TC stable, discharge toner to make TC down when TC gets over the upper limit.		
3-028-001	All Colors	ENG	[0 or 1 / 0 / 0/step]
3-028-002	Colors	ENG	[0 or 1 / 0 / 0/step]
3-028-003	K	ENG	[0 or 1 / 0 / 0/step]
3-028-004	C	ENG	[0 or 1 / 0 / 0/step]
3-028-005	M	ENG	[0 or 1 / 0 / 0/step]
3-028-006	Y	ENG	[0 or 1 / 0 / 0/step]
3-028-011	Target Vt: K	ENG	[0 to 5 / 2.7 / 0.01/step]
3-028-012	Target Vt: C	ENG	[0 to 5 / 2.7 / 0.01/step]
3-028-013	Target Vt: M	ENG	[0 to 5 / 2.7 / 0.01/step]
3-028-014	Target Vt: Y	ENG	[0 to 5 / 2.7 / 0.01/step]
3-028-021	Lower Limit	ENG	[0 to 20 / 1 / 1 time/step] Lower TC down repeat times before the developer emission.
3-028-022	Upper Limit	ENG	[30 to 999 / 200 / 1 time/step] Upper TC down repeat times before the developer emission.

3029	[TC Down Bf Dev Emit: Result]		
	*Refer below for result detail.		
3-029-001	Result (YMCK)	ENG	[0000 to 9999 / 0000 / 1/step] Successful returns: "1111"

Results and details of SP3-029

0	Not Executed	(Default)
1	Succeeded	-

2	Used Toner Full	According to the used toner full condition, adjustment can not be executed. Result "2" is displayed if the used toner full condition is detected while TC adjusting.
3	Cannot be adjusted	Could not be adjusted.
9	Forced Termination	Forced termination due to the door opening, shutting down, or some errors.

3030	[Init TD Sensor :Exe]		
3-030-001	Execute: ALL	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for all colors.		
3-030-002	Execute: COL	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only three colors.		
3-030-003	Execute: K	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (K).		
3-030-004	Execute: C	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (C).		
3-030-005	Execute: M	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (M).		
3-030-006	Execute: Y	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (Y).		

3031	[TD Sens Init OK?]		
	Displays the execution result of TD Sensor Initial setting.		
3-031-001	From Left:YMCK	ENG	[0000 to 9999 / 0 / 1/step] Successful return: "1111" <Execution result> 0: Not executed 1: Success 2: Developer setting error 3: TD sensor calibration error 9: Forced end

3032	[Cleaning Setup :Exe]		
	Executes when replacing cleaning. (Creates specified number of A4 full coverage images and supplies Cleaning Unit with toner.)		
3-032-001	Execute: ALL	ENG	[- / - / -]
3-032-002	Execute: COL	ENG	[Execute]
3-032-003	Execute: K	ENG	
3-032-004	Execute: C	ENG	
3-032-005	Execute: M	ENG	
3-032-006	Execute: Y	ENG	
3-032-021	A4 Page Cover	ENG	
	Sets the number of A4 full coverage pages creating when setting Cleaning Initial setup.		

3033	[T2 Cleaning Setup :Exe]		
	Executes when replacing cleaning. (Creates specified number of A4 full coverage images and supplies Cleaning Unit with toner.)		
3-033-001	Execute	ENG	[- / - / -] [Execute]

3040	[DEMS:Execute]		
	Measures M/A patch.		
3-040-001	ALL	ENG	[- / - / -]
3-040-002	K	ENG	[Execute]
3-040-003	C	ENG	
3-040-004	M	ENG	
3-040-005	Y	ENG	

3041	[DEMS Exe OK?]		
	Displays DEMS Execution Result.		
3-041-001	From Left:YMCK	ENG	[0 to 9999 / 0000 / 1/step] <Execution result> 0: Not executed 1: Success 2: Large phase shift 3: Small amplitude 4: Rotation detection sensor error 5: Density upper limit error 6: Density lower limit error 9: Forced end

3042	[DEMS:Phasing:Execute]		
	Measures Phase from HP.		
3-042-001	ALL	ENG	[- / - / -]
3-042-002	K	ENG	[Execute]
3-042-003	C	ENG	
3-042-004	M	ENG	
3-042-005	Y	ENG	

3043	[DEMS:Phasing:Exe OK?]		
	Displays the execution result of DEMS Phasing Mode.		
3-043-001	From Left:YMCK	ENG	[0 to 9999 / 0000 / 1/step] <Execution result> 0: Not executed 1: Success 2: Large phase shift 3: Small amplitude 4: Rotation detection sensor error 5: Density upper limit error 6: Density lower limit error 9: Forced end

3050	[Force Tnr Supply :Exe]		
	Supplies toner forcibly.		
3-050-001	Execute: ALL	ENG	[0 or 1 / 0 / 1/step] [Execute]
3-050-002	Execute: COL	ENG	
3-050-003	Execute: K	ENG	
3-050-004	Execute: C	ENG	
3-050-005	Execute: M	ENG	
3-050-006	Execute: Y	ENG	
3050	[Force Tnr Supply :Exe]		
	Sets Toner Amount (K) with Forced Toner Supply by [wt%/step] unit.		
3-050-021	Supply Quantity:K	ENG	[0.0 to 5.0 / 0.5 / 0.1 wt%/step]
3-050-022	Supply Quantity:C	ENG	
3-050-023	Supply Quantity:M	ENG	
3-050-024	Supply Quantity:Y	ENG	

3051	[Toner Fill]		
	Executes Toner Fill.		
3-051-001	EXECUTE:ALL	ENG	[0 or 1 / 0 / 1/step]
3-051-002	Execute: K	ENG	[Execute]
3-051-003	Execute: C	ENG	
3-051-004	Execute: M	ENG	
3-051-005	Execute: Y	ENG	

3062	[Manual Tnr Ref.Exe]		
	Executes toner refresh manually.		
3-062-001	All	ENG	[0 or 1 / 0 / 1/step]
3-062-002	Col	ENG	[Execute]
3-062-003	K	ENG	
3-062-004	C	ENG	
3-062-005	M	ENG	
3-062-006	Y	ENG	
3-062-011	Vt Thresh :Consumption1 :K	ENG	
3-062-012	Vt Thresh :Consumption1 :C	ENG	[0 to 5.5 / 3.69 / 0.01 V/step]
3-062-013	Vt Thresh :Consumption1 :M	ENG	[0 to 5.5 / 3.69 / 0.01 V/step]
3-062-014	Vt Thresh :Consumption1 :Y	ENG	[0 to 5.5 / 3.69 / 0.01 V/step]
3-062-021	Vt Thresh :Consumption2 :K	ENG	[0 to 5.5 / 4 / 0.01 V/step]
3-062-022	Vt Thresh :Consumption2 :C	ENG	[0 to 5.5 / 4 / 0.01 V/step]
3-062-023	Vt Thresh :Consumption2 :M	ENG	[0 to 5.5 / 4 / 0.01 V/step]
3-062-024	Vt Thresh :Consumption2 :Y	ENG	[0 to 5.5 / 4 / 0.01 V/step]
3-062-031	Vt Thresh Cor :Supply :K	ENG	[-5 to 5 / 0.27 / 0.01 V/step]
3-062-032	Vt Thresh Cor :Supply :C	ENG	[-5 to 5 / 0.27 / 0.01 V/step]

3-062-033	Vt Thresh Cor :Supply :M	ENG	[-5 to 5 / 0.27 / 0.01 V/step]
3-062-034	Vt Thresh Cor :Supply :Y	ENG	[-5 to 5 / 0.27 / 0.01 V/step]
3-062-041	Lower Limit: Consumption1	ENG	[0 to 999 / 0 / 1 times/step]
3-062-042	Lower Limit: Consumption2	ENG	[0 to 999 / 0 / 1 times/step]
3-062-051	Upper Limit: Offset: Consump1	ENG	[0 to 50000 / 200 / 1 times/step]
3-062-052	Upper Limit: Coef: Consump1	ENG	[0 to 500 / 100 / 0.01 times/V/step]
3-062-053	Upper Limit: Offset: Consump2	ENG	[0 to 50000 / 200 / 1 times/step]
3-062-055	Upper Limit: Offset: Supply	ENG	[0 to 50000 / 200 / 1 times/step]
3-062-056	Upper Limit: Coef: Supply	ENG	[0 to 500 / 100 / 0.01 times/V/step]
3-062-061	Chrg Adj :Offset	ENG	[0 to 1350 / 0 / 1 -V/step]
3-062-062	Chrg Adj :Coef	ENG	[0 to 2.55 / 0.8 / 0.01 /step]
3-062-063	Dev Adj :Offset	ENG	[0 to 1350 / 0 / 1 -V/step]
3-062-064	Dev Adj :Coef	ENG	[0 to 2.55 / 0.8 / 0.01 /step]
3-062-065	LD Adj :Offset	ENG	[0 to 200 / 0 / 1 %/step]
3-062-066	LD Adj :Coef	ENG	[0 to 2.55 / 0.8 / 0.01 /step]
3-062-071	Supply Amount: Supply: K	ENG	[0 to 25.5 / 1 / 0.1 g/step]
3-062-072	Supply Amount: Supply: C	ENG	[0 to 25.5 / 1 / 0.1 g/step]
3-062-073	Supply Amount: Supply: M	ENG	[0 to 25.5 / 1 / 0.1 g/step]
3-062-074	Supply Amount: Supply: Y	ENG	[0 to 25.5 / 1 / 0.1 g/step]
3-062-081	Repeat Interval: Supply: K	ENG	[0 to 50000 / 300 / 1 ms/step]
3-062-082	Repeat Interval: Supply: C	ENG	[0 to 50000 / 300 / 1 ms/step]
3-062-083	Repeat Interval: Supply: M	ENG	[0 to 50000 / 300 / 1 ms/step]
3-062-084	Repeat Interval: Supply: Y	ENG	[0 to 50000 / 300 / 1 ms/step]

3063	[Manual Tnr Ref:Result]		
	Displays the execution result/progress of manual toner refresh.		
3-063-001	Result (YMCK)	ENG	[0 to 9999 / 0000 / 1/step] <Execution result> 0: Not executed 1: Success 2: Not reach the target TC 3: Toner near end / Toner end 9: Forced end
3-063-002	Progress (YMCK)	ENG	[0 to 9999 / 0000 / 1/step]

3069	[Main Scan Shading Correction]		
	Executes main scan shading correction.		
3-069-001	Execute: ALL	ENG	[0 or 1 / 0 / 1 /step]
3-069-002	Execute: K	ENG	[0 or 1 / 0 / 1 /step]
3-069-003	Execute: C	ENG	[0 or 1 / 0 / 1 /step]
3-069-004	Execute: M	ENG	[0 or 1 / 0 / 1 /step]
3-069-005	Execute: Y	ENG	[0 or 1 / 0 / 1 /step]
3-069-011	Clear: ALL	ENG	[0 or 1 / 0 / 1 /step]
3-069-012	Clear: K	ENG	[0 or 1 / 0 / 1 /step]
3-069-013	Clear: C	ENG	[0 or 1 / 0 / 1 /step]
3-069-014	Clear: M	ENG	[0 or 1 / 0 / 1 /step]
3-069-015	Clear: Y	ENG	[0 or 1 / 0 / 1 /step]
	Displays the main scan patch M/A.		

3-069-021	Patch M/A(Latest):K(Front)	ENG	[0 to 1.000 / 0 / 0.001 mg/cm ² /step]
3-069-022	Patch M/A(Latest):K(K)	ENG	
3-069-023	Patch M/A(Latest):K(C)	ENG	
3-069-024	Patch M/A(Latest):K(M)	ENG	
3-069-025	Patch M/A(Latest):K(Y)	ENG	
3-069-026	Patch M/A(Latest):K(Rear)	ENG	
3-069-031	Patch M/A(Latest):C(Front)	ENG	[0 to 1.000 / 0 / 0.001 mg/cm ² /step]
3-069-032	Patch M/A(Latest):C(K)	ENG	
3-069-033	Patch M/A(Latest):C(C)	ENG	
3-069-034	Patch M/A(Latest):C(M)	ENG	
3-069-035	Patch M/A(Latest):C(Y)	ENG	
3-069-036	Patch M/A(Latest):C(Rear)	ENG	
3-069-041	Patch M/A(Latest):M(Front)	ENG	[0 to 1.000 / 0 / 0.001 mg/cm ² /step]
3-069-042	Patch M/A(Latest):M(K)	ENG	
3-069-043	Patch M/A(Latest):M(C)	ENG	
3-069-044	Patch M/A(Latest):M(M)	ENG	
3-069-045	Patch M/A(Latest):M(Y)	ENG	
3-069-046	Patch M/A(Latest):M(Rear)	ENG	
3-069-051	Patch M/A(Latest):Y(Front)	ENG	[0 to 1.000 / 0 / 0.001 mg/cm ² /step]
3-069-052	Patch M/A(Latest):Y(K)	ENG	
3-069-053	Patch M/A(Latest):Y(C)	ENG	
3-069-054	Patch M/A(Latest):Y(M)	ENG	
3-069-055	Patch M/A(Latest):Y(Y)	ENG	
3-069-056	Patch M/A(Latest):Y(Rear)	ENG	
			Sets upper and lower limit of patch M/A.

3-069-061	Patch M/A: Upper Limit: K	ENG	[0 to 1 / 0.4 / 0.001/step]
3-069-062	Patch M/A: Upper Limit: C	ENG	
3-069-063	Patch M/A: Upper Limit: M	ENG	
3-069-064	Patch M/A: Upper Limit: Y	ENG	
3-069-066	Patch M/A: Lower Limit: K	ENG	[0 to 1 / 0.05 / 0.001/step]
3-069-067	Patch M/A: Lower Limit: C	ENG	
3-069-068	Patch M/A: Lower Limit: M	ENG	
3-069-069	Patch M/A: Lower Limit: Y	ENG	
3-069-071	Delta Upper Limit: K	ENG	[0 to 0.5 / 0.02 / 0.001/step]
3-069-072	Delta Upper Limit: C	ENG	
3-069-073	Delta Upper Limit: M	ENG	
3-069-074	Delta Upper Limit: Y	ENG	
3-069-076	Delta Lower Limit: K	ENG	[-0.5 to 0 / -0.02 / 0.001/step]
3-069-077	Delta Lower Limit: C	ENG	
3-069-078	Delta Lower Limit: M	ENG	
3-069-079	Delta Lower Limit: Y	ENG	
Shading sensitivity for the main scan density deviation adjustment.			
3-069-081	Shading Sensitivity: K	ENG	[0 to 100 / 12 / 0.01/step]
3-069-082	Shading Sensitivity: C	ENG	
3-069-083	Shading Sensitivity: M	ENG	
3-069-084	Shading Sensitivity: Y	ENG	
3-069-091	Shading Upper Limit	ENG	[0 to 2 / 1.165 / 0.001 /step] Shading upper limit for the main scan density deviation adjustment.
3-069-092	Shading Lower Limit	ENG	[0 to 2 / 0.875 / 0.001 /step] Shading lower limit for the main scan density deviation adjustment.

3-069-101	Page Interval: BW	ENG	[0 to 50000 / 0 / 1 page/step] Auto execution interval for the main scan density deviation adjustment (BW).
3-069-102	Page Interval: FC	ENG	[0 to 50000 / 0 / 1 page/step] Auto execution interval for the main scan density deviation adjustment (FC).
3-069-103	Page Counter: BW	ENG	[0 to 50000 / 0 / 1 page/step] Page counter for the main scan density deviation adjustment. (BW)
3-069-104	Page Counter: FC	ENG	[0 to 50000 / 0 / 1 page/step] Page counter for the main scan density deviation adjustment. (FC)

3070	[Pot.Sens Check :Exe]		
	Executes Potential Sensor Check. (For checking when assembling in the factory and for confirming when failure occurs in the market.)		
3-070-001	Execute	ENG	[0 or 1 / 0 / 1/step] [Execute]

3071	[Pot.Sens Chk :Disp]		
	Displays Potential Sensor Check Result: Vd (K).		
3-071-001	Vd:K	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vd (K).		
3-071-002	Vd:C	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vd (C).		
3-071-003	Vd:M	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vd (M).		
3-071-004	Vd:Y	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vd (Y).		

3-071-011	Vr:K	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vr (K).		
3-071-012	Vr:C	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vr (C).		
3-071-013	Vr:M	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vr (M).		
3-071-014	Vr:Y	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Vr (Y).		
3-071-021	Voffset:K	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (K).		
3-071-022	Voffset:C	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (C).		
3-071-023	Voffset:M	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (M).		
3-071-024	Voffset:Y	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (Y).		

3072	[TD.Sens Check :Exe]		
	Executes TD Sensor Check. (For checking when assembling in the factory and for confirming when failure occurs in the market.)		
3-072-001	Execute	ENG	[0 to 1 / 0 / 1/step] [Execute]

3073	[TD.Sens Chk :Disp]		
	Displays TD Sensor Check Result: Vt		

3-073-001	Vt:K	ENG	[0.00 to 5.00 / 0 / 0.01 V/step]
3-073-002	Vt:C	ENG	
3-073-003	Vt:M	ENG	
3-073-004	Vt:Y	ENG	

3074	[ID.Sens Check :Exe]		
	Executes ID Sensor Check. (For checking when assembling in the factory and for confirming when failure occurs in the market.)		
3-074-001	Execute	ENG	[0 to 1 / 0 / 1/step] [Execute]

3075	[ID.Sens Chk :Disp]		
	Displays the results of the ID sensor check executed with SP3-074.		
3-075-001	Vsg_reg(Front)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-002	Vsg_reg(K)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-003	Vsg_reg(C)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-004	Vsg_reg(M)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-005	Vsg_reg(Y)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-006	Vsg_reg(Rear)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-011	Vsg_dif(Front)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-012	Vsg_dif(K)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-013	Vsg_dif(C)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-014	Vsg_dif(M)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-015	Vsg_dif(Y)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-016	Vsg_dif(Rear)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-021	Voffset_reg(Front)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-022	Voffset_reg(K)	ENG	[0 to 5 / 0 / 0.01 V/step]

3-075-023	Voffset_reg(C)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-024	Voffset_reg(M)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-025	Voffset_reg(Y)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-026	Voffset_reg(Rear)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-031	Voffset_dif(Front)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-032	Voffset_dif(K)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-033	Voffset_dif(C)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-034	Voffset_dif(M)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-035	Voffset_dif(Y)	ENG	[0 to 5 / 0 / 0.01 V/step]
3-075-036	Voffset_dif(Rear)	ENG	[0 to 5 / 0 / 0.01 V/step]

3101	[Toner Status :Disp]		
	Displays Toner Status on a scale of one to ten. 10: Full, 2: Estimate Near End, 1: Fixed Near End, 0: Toner End		
3-101-011	K1: Left Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-012	C1: Left Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-013	M1: Left Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-014	Y1: Left Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-021	K2: Right Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-022	C2: Right Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-023	M2: Right Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-024	Y2: Right Bottle	ENG	[0 to 10 / 0 / 1/step]
3-101-031	K1 and K2 Bottles	ENG	[0 to 10 / 0 / 1/step]
3-101-032	C1 and C2 Bottles	ENG	[0 to 10 / 0 / 1/step]
3-101-033	M1 and M2 Bottles	ENG	[0 to 10 / 0 / 1/step]
3-101-034	Y1 and Y2 Bottles	ENG	[0 to 10 / 0 / 1/step]

3102	[Toner Remains :Disp]		
	Displays Toner Remains in percentage.		
3-102-011	% Remains:K1: Left Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-012	% Remains:C1: Left Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-013	% Remains:M1: Left Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-014	% Remains:Y1: Left Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-021	% Remains:K2: Right Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-022	% Remains:C2: Right Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-023	% Remains:M2: Right Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-024	% Remains:Y2: Right Bottle	ENG	[0 to 100 / 0 / 1%/step]
3-102-031	Pixel Counter:K1: Left Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-032	Pixel Counter:C1: Left Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-033	Pixel Counter:M1: Left Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-034	Pixel Counter:Y1: Left Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-041	Pixel Counter:K2: Right Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-042	Pixel Counter:C2: Right Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-043	Pixel Counter:M2: Right Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-044	Pixel Counter:Y2: Right Bottle	ENG	[0 to 99999999 / 0 / 1 cm ² /step]
3-102-111	Toner Remains:K1: Left Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-112	Toner Remains:C1: Left Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-113	Toner Remains:M1: Left Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-114	Toner Remains:Y1: Left Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-121	Toner Remains:K2: Right Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]

3-102-122	Toner Remains:C2: Right Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-123	Toner Remains:M2: Right Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]
3-102-124	Toner Remains:Y2: Right Bottle	ENG	[0 to 99999999.99 / 0 / 0.01 mg/step]

3103	[Toner replacement decision]		
3-103-001	Replacement decision threshold	ENG	[0 to 99999999.99 / 300000 / 0.01 mg/step]

3104	[Bottle Main/Sub Status: Display]		
	1: Main Bottle 0: Sub Bottle		
3-104-011	K1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-012	C1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-013	M1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-014	Y1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-021	K2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-022	C2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-023	M2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
3-104-024	Y2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]

3110	[TNE Detect(Lvl1) :Set]		
	Sets whether to display Toner Near End (Level 1) on the operation panel. 0: ON 1: OFF		
3-110-001	ON/OFF: K	ENG	[0 or 1 / 0 / 1/step]
3-110-002	ON/OFF: C	ENG	[0 or 1 / 0 / 1/step]

3-110-003	ON/OFF: M	ENG	[0 or 1 / 0 / 1/step]
3-110-004	ON/OFF: Y	ENG	[0 or 1 / 0 / 1/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel at which percentage of Toner Remains.		
3-110-011	Disp Timing:K	ENG	[10 to 100 / 90 / 1%/step]
3-110-012	Disp Timing:C	ENG	[10 to 100 / 90 / 1%/step]
3-110-013	Disp Timing:M	ENG	[10 to 100 / 90 / 1%/step]
3-110-014	Disp Timing:Y	ENG	[10 to 100 / 90 / 1%/step]

3120	[TNE Detect(Lvl2) :Set]		
3-120-005	Counter Thresh	ENG	[0 to 999 / 100 / 1 count/step]
	Sets the timing when Toner Near End (Level 2) is set after how many times Toner End Sensor continuously detects Toner Empty.		
3-120-011	Counter: K	ENG	[0 to 999 / 0 / 1 count/step]
	Displays how many times Toner End Sensor (K) continuously detects Toner Empty.		
3-120-012	Counter: C	ENG	[0 to 999 / 0 / 1 count/step]
	Displays how many times Toner End Sensor (C) continuously detects Toner Empty.		
3-120-013	Counter: M	ENG	[0 to 999 / 0 / 1 count/step]
	Displays how many times Toner End Sensor (M) continuously detects Toner Empty.		
3-120-014	Counter: Y	ENG	[0 to 999 / 0 / 1 count/step]
	Displays how many times Toner End Sensor (Y) continuously detects Toner Empty.		

3130	[TE Detect :Set]		
3-130-001	Page Cnt Thresh (Min)	ENG	[0 to 50 / 10 / 1 sheet/step]
	Sets Minimum Assured Pages until Toner End displays after Toner Near End is fixed.		
3-130-002	Page Cnt Thresh (Max)	ENG	[0 to 5000 / 1000 / 1 sheet/step]
	Sets Minimum Assured Pages until Toner End displays after Toner Near End is fixed.		

3-130-011	Page Counter: K	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays how many pages are outputted after Toner Near End is fixed.		
3-130-012	Page Counter: C	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays how many pages are outputted after Toner Near End is fixed.		
3-130-013	Page Counter: M	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays how many pages are outputted after Toner Near End is fixed.		
3-130-014	Page Counter: Y	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays how many pages are outputted after Toner Near End is fixed.		
3-130-101	Set Pixel Cnt Thresh: K	ENG	[0 to 1000000 / 350000 / 1 cm ² /step]
3-130-102	Set Pixel Cnt Thresh: C	ENG	[0 to 1000000 / 350000 / 1 cm ² /step]
3-130-103	Set Pixel Cnt Thresh: M	ENG	[0 to 1000000 / 350000 / 1 cm ² /step]
3-130-104	Set Pixel Cnt Thresh: Y	ENG	[0 to 1000000 / 350000 / 1 cm ² /step]
3-130-201	Pixel Cnt: K	ENG	[0 to 1000000 / 0 / 1 cm ² /step]
3-130-202	Pixel Cnt: C	ENG	[0 to 1000000 / 0 / 1 cm ² /step]
3-130-203	Pixel Cnt: M	ENG	[0 to 1000000 / 0 / 1 cm ² /step]
3-130-204	Pixel Cnt: Y	ENG	[0 to 1000000 / 0 / 1 cm ² /step]

3150	[TE Sensor :Set]		
	This SP sets up how the machine samples for toner-end sensor readings.		
3-150-001	Sampling Count: Hopper: K	ENG	[4 to 20 / 10 / 1 count/step]
3-150-002	Sampling Count: Hopper: C	ENG	[4 to 20 / 10 / 1 count/step]
3-150-003	Sampling Count: Hopper: M	ENG	[4 to 20 / 10 / 1 count/step]
3-150-004	Sampling Count: Hopper: Y	ENG	[4 to 20 / 10 / 1 count/step]
3-150-011	TE Thresh: Hopper K	ENG	[0.1 to 0.9 / 0.2 / 0.1 /step]

3-150-012	TE Thresh: Hopper C	ENG	[0.1 to 0.9 / 0.2 / 0.1 /step]
3-150-013	TE Thresh: Hopper M	ENG	[0.1 to 0.9 / 0.2 / 0.1 /step]
3-150-014	TE Thresh: Hopper Y	ENG	[0.1 to 0.9 / 0.2 / 0.1 /step]

3151	[Toner Bottle Motor: Set]		
3-151-004	Operation Cnt Thresh	ENG	[0 to 2000 / 0 / 1 counts/step] Sets the limit of toner filling operation after the toner end.
3-151-005	Operation Counter	ENG	[0 to 2000 / 1000 / 1 msec/step] Displays the toner filling operation counter after the toner end.

3154	[Toner Bottle Motor: Lock Cnt]		
	Displays the lock counter of toner bottle motor.		
3-154-001	Lock Counter: K1	ENG	[0 to 255 / 0 / 1 count/step]
3-154-002	Lock Counter: C1	ENG	[0 to 255 / 0 / 1 count/step]
3-154-003	Lock Counter: M1	ENG	[0 to 255 / 0 / 1 count/step]
3-154-004	Lock Counter: Y1	ENG	[0 to 255 / 0 / 1 count/step]
3-154-005	Lock Counter: K2	ENG	[0 to 255 / 0 / 1 count/step]
3-154-006	Lock Counter: C2	ENG	[0 to 255 / 0 / 1 count/step]
3-154-007	Lock Counter: M2	ENG	[0 to 255 / 0 / 1 count/step]
3-154-008	Lock Counter: Y2	ENG	[0 to 255 / 0 / 1 count/step]

3155	[Toner Bottle Motor: SC Cnt]		
	Displays the SC counter of toner bottle motor.		
3-155-001	SC Counter: K1	ENG	[0 to 10 / 0 / 1 count/step]
3-155-002	SC Counter: C1	ENG	[0 to 10 / 0 / 1 count/step]
3-155-003	SC Counter: M1	ENG	[0 to 10 / 0 / 1 count/step]

3-155-004	SC Counter: Y1	ENG	[0 to 10 / 0 / 1 count/step]
3-155-005	SC Counter: K2	ENG	[0 to 10 / 0 / 1 count/step]
3-155-006	SC Counter: C2	ENG	[0 to 10 / 0 / 1 count/step]
3-155-007	SC Counter: M2	ENG	[0 to 10 / 0 / 1 count/step]
3-155-008	SC Counter: Y2	ENG	[0 to 10 / 0 / 1 count/step]

3156	[Toner Bottle Motor: SC Set]		
	Sets SC counter threshold of toner bottle motor.		
3-156-001	SC Counter Thresh	ENG	[0 to 10 / 2 / 1 count/step]

3157	[Toner Bottle Mtr: SC Cnt Clear]		
	Clears the SC counter of toner bottle motor.		
3-157-001	Clear: K	ENG	[0 or 1 / 0 / 1 count/step]
3-157-002	Clear: C	ENG	[0 or 1 / 0 / 1 count/step]
3-157-003	Clear: M	ENG	[0 or 1 / 0 / 1 count/step]
3-157-004	Clear: Y	ENG	[0 or 1 / 0 / 1 count/step]

3160	[Bottle Set: Display]		
	0: Not set 1: Set		
3-160-011	Bottle Set: K1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-012	Bottle Set: C1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-013	Bottle Set: M1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-014	Bottle Set: Y1: Left Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-021	Bottle Set: K2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-022	Bottle Set: C2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
3-160-023	Bottle Set: M2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]

3-160-024	Bottle Set: Y2: Right Bottle	ENG	[0 or 1 / 0 / 1/step]
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3161	[Bottle Chuck Condition: Display]		
	5: Condition Undefined 3: While opening to closing operation 2: While closing to opening operation 1: Open 0: Close		
3-161-111	Bottle Chuck: K1: Left Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-112	Bottle Chuck: C1: Left Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-113	Bottle Chuck: M1: Left Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-114	Bottle Chuck: Y1: Left Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-121	Bottle Chuck: K2: Right Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-122	Bottle Chuck: C2: Right Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-123	Bottle Chuck: M2: Right Bottle	ENG	[0 to 5 / 0 / 1/step]
3-161-124	Bottle Chuck: Y2: Right Bottle	ENG	[0 to 5 / 0 / 1/step]

3162	[Bottle Open/Close]		
	Open / close the cap of CMYK toner bottles. Use this sp to replace the toner bottles. 0: Close 1: Open		
3-162-001	Open/Close: K1: Left Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-002	Open/Close: C1: Left Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-003	Open/Close: M1: Left Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-004	Open/Close: Y1: Left Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-005	Open/Close: K2: Right Bottle	ENG	[0 or 1 / 0 / 0/step]

3-162-006	Open/Close: C2: Right Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-007	Open/Close: M2: Right Bottle	ENG	[0 or 1 / 0 / 0/step]
3-162-008	Open/Close: Y2: Right Bottle	ENG	[0 or 1 / 0 / 0/step]

3200	[TnrDensity]		
	Displays Toner Density (wt%).		
3-200-001	K	ENG	[0 to 25.5 / 0 / 0.1 wt%/step]
3-200-002	C	ENG	
3-200-003	M	ENG	
3-200-004	Y	ENG	

3201	[TnrDensity]		
	Sets Upper Limit Toner Density (wt%) for Toner Density Control Area.		
3-201-001	Upper TC	ENG	[1.0 to 15.0 / 8.5 / 0.1wt%/step]
3-201-002	Lower TC	ENG	[1.0 to 15.0 / 4.0 / 0.1wt%/step]

3210	[TD.Sens:Vt :Disp]		
	Displays the latest TD Sensor Output		
3-210-001	Current: K	ENG	[0.00 to 5.50 / 0 / 0.01V/step]
3-210-002	Current: C	ENG	
3-210-003	Current: M	ENG	
3-210-004	Current: Y	ENG	

3220	[Vtcnt :Disp/Set]		
	Displays/Sets Current TD Sensor Control Voltage (K).		
3-220-001	Current: K	ENG	[2.00 to 5.00 / 3.72 / 0.01V/step]

3-220-002	Current: C	ENG	[2.00 to 5.00 / 3.72 / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (C).		
3-220-003	Current: M	ENG	[2.00 to 5.00 / 3.72 / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (M).		
3-220-004	Current: Y	ENG	[2.00 to 5.00 / 3.72 / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (Y).		

3230	[Vtref :Disp/Set]		
3-230-001	Current: K	ENG	[0.00 to 5.00 / 2.70 / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (K).		
3-230-002	Current: C	ENG	[0.00 to 5.00 / 2.70 / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (C).		
3-230-003	Current: M	ENG	[0.00 to 5.00 / 2.70 / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (M).		
3-230-004	Current: Y	ENG	[0.00 to 5.00 / 2.70 / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (Y).		

3233	[PPAT Vtref Corr :Disp/Set]		
3-233-041	Vtavg Rate(H)	ENG	[0 to 100 / 50 / 1%/step]
	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Upper Limit).		
3-233-051	Vtavg Rate(M)	ENG	[0 to 100 / 50 / 1%/step]
	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).		
3-233-061	Vtavg Rate(L)	ENG	[0 to 100 / 50 / 1%/step]
	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).		

3250	[ImgArea :Disp]		
	Displays image area of latest page.		
3-250-001	Latest:K	ENG	[0 to 9999 / 0 / 1cm ² /step]
3-250-002	Latest:C	ENG	
3-250-003	Latest:M	ENG	
3-250-004	Latest:Y	ENG	

3251	[DotCoverage :Disp]		
	Displays Dot Coverage (K) in the latest page.		
3-251-001	Latest:K	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-002	Latest:C	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-003	Latest:M	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-004	Latest:Y	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-011	DC Avg.:S:K	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-012	DC Avg.:S:C	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-013	DC Avg.:S:M	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-014	DC Avg.:S:Y	ENG	[0.00 to 100.00 / - / 0.01%/step]
3-251-021	DC Avg.:M:K	ENG	[0.00 to 100.00 / - / 0.01%/step]

3-251-022	DC Avg.:M:C	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (C).		
3-251-023	DC Avg.:M:M	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (M).		
3-251-024	DC Avg.:M:Y	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (Y).		
3-251-031	DC Avg.:L:K	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (K).		
3-251-032	DC Avg.:L:C	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (C).		
3-251-033	DC Avg.:L:M	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (M).		
3-251-034	DC Avg.:L:Y	ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (Y).		

Group 3000 (2/3)

SP3-260 to -553 (Process)

3260	[Temp/Humid(PCU) : Display]		
3-260-001	Temperature : PCU1	ENG	[-5 to 100 / 0 / 1deg/step]
	Displays the temperature based on Temperature/Humidity Sensor Detection Result of PCU.		
3-260-002	Relative Humidity: PCU1	ENG	[0 to 100 / 0 / 1%RH/step]
	Displays the relative humidity based on Temperature/Humidity Sensor Detection Result of PCU.		
3-260-003	Absolute Humidity: PCU1	ENG	[0.00 to 63.00 / 0 / 0.01g/m ³ /step]
	Displays the absolute humidity based on Temperature/Humidity Sensor Detection Result of PCU.		

3260	[Current Environment (PCU)]		
3-260-011	Current Env Range (PCU1)	ENG	[0 to 9 / 0 / 1 /step] Displays the current environment range based on the on Temperature/Humidity Sensor Detection Result of PCU1.
3-260-031	Abs Humidity Thresh1 (PCU1)	ENG	[0 to 63 / 0.8 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU1).
3-260-032	Abs Humidity Thresh2 (PCU1)	ENG	[0 to 63 / 5 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU1).
3-260-033	Abs Humidity Thresh3 (PCU1)	ENG	[0 to 63 / 8.4 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU1).

3-260-034	Abs Humidity Thresh4 (PCU1)	ENG	[0 to 63 / 15 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU1).
3-260-035	Abs Humidity Thresh5 (PCU1)	ENG	[0 to 63 / 24 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU1).

3260	[Temp/Humid (PCU): Display]		
	Displays the PCU temperature, absolute humidity, and relative humidity based on Temperature/Humidity Sensor Detection Result of PCU2.		
3-260-101	Temperature: PCU2	ENG	[-5 to 100 / 0 / 0.1 deg/step]
3-260-102	Relative Humidity: PCU2	ENG	[0 to 100 / 0 / 1 %RH/step]
3-260-103	Absolute Humidity: PCU2	ENG	[0 to 63 / 0 / 0.01 g/m ³ /step]

3260	[Current Environment (PCU)]		
3-260-111	Current Env Range (PCU2)	ENG	[0 to 9 / 0 / 1 /step] Displays the current environment range based on the on Temperature/Humidity Sensor Detection Result of PCU2.
3-260-131	Abs Humidity Thresh1 (PCU2)	ENG	[0 to 63 / 0.8 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU2).
3-260-132	Abs Humidity Thresh2 (PCU2)	ENG	[0 to 63 / 5 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU2).
3-260-133	Abs Humidity Thresh3 (PCU2)	ENG	[0 to 63 / 8.4 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU2).
3-260-134	Abs Humidity Thresh4 (PCU2)	ENG	[0 to 63 / 15 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU2).

3-260-135	Abs Humidity Thresh5 (PCU2)	ENG	[0 to 63 / 24 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (PCU2).
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3261	[Temp/Humid (Main): Display]		
3-261-001	Temperature	ENG	[-5 to 100 / 0 / 1deg/step]
	Displays the temperature based on Temperature/Humidity Sensor Detection Result of the main unit.		
3-261-002	Relative Humidity	ENG	[0 to 100 / 0 / 1%RH/step]
	Displays the relative humidity based on Temperature/Humidity Sensor Detection Result of the main unit.		
3-261-003	Absolute Humidity	ENG	[0.00 to 63.00 / 0 / 0.01g/m ³ /step]
	Displays the absolute humidity based on Temperature/Humidity Sensor Detection Result of the main unit.		

3261	[Current Environment (Main)]		
3-261-011	Current Env Range (Main)	ENG	[0 to 9 / 0 / 1] Displays the current environment range based on the on Temperature/Humidity Sensor Detection Result of main unit.
3-261-031	Abs Humidity Thresh1 (Main)	ENG	[0 to 63 / 0.8 / 0.01 g/m ³ /step] Displays the current environment range based on the on Temperature/Humidity Sensor Detection Result of main unit.
3-261-032	Abs Humidity Thresh2 (Main)	ENG	[0 to 63 / 5 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (Main).
3-261-033	Abs Humidity Thresh3 (Main)	ENG	[0 to 63 / 8.4 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (Main).

3-261-034	Abs Humidity Thresh4 (Main)	ENG	[0 to 63 / 15 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (Main).
3-261-035	Abs Humidity Thresh5 (Main)	ENG	[0 to 63 / 24 / 0.01 g/m ³ /step] Absolute humidity threshold of current environment (Main).

3

3300	[ID Pattern :Disp]		
3-300-001	M/A(Latest):K	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (K).		
3-300-002	M/A(Latest):C	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (C).		
3-300-003	M/A(Latest):M	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (M).		
3-300-004	M/A(Latest):Y	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (Y).		
3-300-011	M/A(Target):K	ENG	[0.000 to 1.000 / 0.149 / 0.001 mg/cm ² /step]
	Displays ID Pattern Target M/A (K).		
3-300-012	M/A(Target):C	ENG	[0.000 to 1.000 / 0.4 / 0.001 mg/cm ² /step]
	Displays ID Pattern Target M/A (C).		
3-300-013	M/A(Target):M	ENG	[0.000 to 1.000 / 0.4 / 0.001 mg/cm ² /step]
	Displays ID Pattern Target M/A (M).		

3-300-014	M/A(Target):Y	ENG	[0.000 to 1.000 / 0.4 / 0.001 mg/cm ² /step]
	Displays ID Pattern Target M/A (Y).		
3-300-021	M/A(Corr):K	ENG	[-0.150 to 0.150 / 0 / 0.001 mg/cm ² /step]
	Corrects ID Pattern M/A (K) based on P_Rank if Development gamma is out of the target value.		
3-300-022	M/A(Corr):C	ENG	[-0.150 to 0.150 / 0 / 0.001 mg/cm ² /step]
	Corrects ID Pattern M/A (C) based on P_Rank if Development gamma is out of the target value.		
3-300-023	M/A(Corr):M	ENG	[-0.150 to 0.150 / 0 / 0.001 mg/cm ² /step]
	Corrects ID Pattern M/A (M) based on P_Rank if Development gamma is out of the target value.		
3-300-024	M/A(Corr):Y	ENG	[-0.150 to 0.150 / 0 / 0.001 mg/cm ² /step]
	Corrects ID Pattern M/A (Y) based on P_Rank if Development gamma is out of the target value.		
3-300-031	M/A Avg:K	ENG	[0 to 1 / 0.149 / 0.001 mg/cm ² /step]
3-300-032	M/A Avg:C	ENG	[0 to 1 / 0.4 / 0.001 mg/cm ² /step]
3-300-033	M/A Avg:M	ENG	[0 to 1 / 0.4 / 0.001 mg/cm ² /step]
3-300-034	M/A Avg:Y	ENG	[0 to 1 / 0.4 / 0.001 mg/cm ² /step]
3-300-101	M/A(Latest):K	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (K).		
3-300-102	M/A(Latest):C	ENG	[0.000 to 1.000 / 0.000 / 0.001 mg/cm ² /step]
	Displays the latest ID Pattern M/A (C).		

3-300-103	M/A(Latest):M	ENG	[0.000 to 1.000 / 0.000 / 0.001mg/cm ² /step]
	Displays the latest ID Pattern M/A (M).		
3-300-104	M/A(Latest):Y	ENG	[0.000 to 1.000 / 0.000 / 0.001mg/cm ² /step]
	Displays the latest ID Pattern M/A (Y).		

3301	[ID Pattern :Set]		
3-301-001	Create Intrvl:BW	ENG	[0 to 200 / 10 / 1page/step]
	Sets Create Interval (K) for ID Pattern.		
3-301-002	Create Intrvl:FC	ENG	[0 to 200 / 10 / 1page/step]
	Sets Create Interval (C) for ID Pattern.		
3-301-011	Sheet Cnt:BW	ENG	[0 to 200 / 0 / 1page/step]
	Displays ID Pattern Page Counter Value (K).		
3-301-012	Sheet Cnt:FC	ENG	[0 to 200 / 0 / 1page/step]
	Displays ID Pattern Page Counter Value (C).		
3-301-021	M/A UppErr:K	ENG	[0.000 to 1.000 / 0.600 / 0.001mg/cm ² /step]
	Sets Error Judgment Threshold (K) for SC380 ID Pattern Error.		
3-301-022	M/A UppErr:Col	ENG	[0.000 to 2.000 / 1.200 / 0.001mg/cm ² /step]
	Sets Error Judgment Threshold (CMY) for SC381-SC383 ID Pattern Error.		
3-301-023	M/A LowErr:K	ENG	[0.000 to 1.000 / 0.050 / 0.001mg/cm ² /step]
	Sets Error Judgment Threshold (K) for SC385 ID Pattern Error.		
3-301-024	M/A LowErr:Col	ENG	[0.000 to 1.000 / 0.200 / 0.001mg/cm ² /step]
	Sets Error Judgment Threshold (CMY) for SC386-SC388 ID Pattern Error.		

3-301-031	Feed Cnt :Set	ENG	[0 to 99999999 / 50000 / 1 msec/step]
	Totals ON Time for Feed Clutch of Sub Hopper. (Resets if Toner End Sensor detects Yes.)		
3-301-041	Feed Cnt :K	ENG	[0 to 99999999 / 0 / 1 msec/step]
	Totals ON Time for Feed Clutch (K) of Sub Hopper.		
3-301-042	Feed Cnt :C	ENG	[0 to 99999999 / 0 / 1 msec/step]
	Totals ON Time for Feed Clutch (C) of Sub Hopper.		
3-301-043	Feed Cnt :M	ENG	[0 to 99999999 / 0 / 1 msec/step]
	Totals ON Time for Feed Clutch (M) of Sub Hopper.		
3-301-044	Feed Cnt :Y	ENG	[0 to 99999999 / 0 / 1 msec/step]
	Totals ON Time for Feed Clutch (Y) of Sub Hopper.		
3-301-101	Set ON/OFF(Create Intrvl Change)	ENG	[0 to 1 / 1 / 1 /step] 0: OFF, 1: ON
3-301-111	Intrvl Change Rate 1	ENG	[0 to 500 / 100 / 1%/step]
3-301-112	Intrvl Change Rate 2	ENG	[0 to 500 / 100 / 1%/step]
3-301-113	Intrvl Change Rate 3	ENG	[0 to 500 / 100 / 1%/step]
3-301-114	Intrvl Change Rate 4	ENG	[0 to 500 / 70 / 1%/step]
3-301-115	Intrvl Change Rate 5	ENG	[0 to 500 / 50 / 1%/step]

3310	[ID.Sens :Voffset]		
	Displays Regular Reflection Output Voltage when ID Sensor LED is turned off.		
3-310-001	Voffset_reg	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-002	Voffset_reg(K)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-003	Voffset_reg(C)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-004	Voffset_reg(M)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-005	Voffset_reg(Y)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]

3-310-006	Voffset_reg(Rear)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
	Displays Diffuse Reflection Output Voltage when ID Sensor LED is turned off.		
3-310-011	Voffset_dif (Front)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-012	Voffset_dif(K)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-013	Voffset_dif(C)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-014	Voffset_dif(M)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-015	Voffset_dif(Y)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-310-016	Voffset_dif(Rear)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]

3311	[ID.Sens :Vmin]		
	Displays Vmin_K Output for Graduation Pattern.		
3-311-001	Vmin_K(Front)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-311-002	Vmin_K(K)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-311-003	Vmin_K(C)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-311-004	Vmin_K(M)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-311-005	Vmin_K(Y)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-311-006	Vmin_K(Rear)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]

3312	[ID.Sens :Vct]		
	Displays Regular Reflection Output for Stroke.		
3-312-001	Vct_Reg(Front)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-002	Vct_reg(K)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-003	Vct_reg(C)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-004	Vct_reg(M)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-005	Vct_reg(Y)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-006	Vct_reg(Rear)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
	Displays Regular Reflection Output for crosstalk.		

3-312-011	Vct_dif(Front)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-012	Vct_dif(K)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-013	Vct_dif(C)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-014	Vct_dif(M)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-015	Vct_dif(Y)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]
3-312-016	Vct_dif(Rear)	ENG	[0.000 to 5.000 / 0 / 0.001 V/step]

3320	[Vsg Adj: Execute]		
	Executes Vsg adjustments.		
3-320-001	ALL	ENG	[0 to 1 / 0 / 1/step] [Execute]

3321	[Adjusted Vsg]		
	Displays Regular Reflection Output of bare part of the belt adjusted by Vsg.		
3-321-001	Vsg_reg(Front)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-002	Vsg_reg(K)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-003	Vsg_reg(C)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-004	Vsg_reg(M)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-005	Vsg_reg(Y)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-006	Vsg_dif(Front)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
Displays Diffuse Reflection Output of bare part of the belt adjusted by Vsg.			
3-321-011	Vct_dif(Front)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-012	Vsg_dif(K)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-013	Vsg_dif(C)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-014	Vsg_dif(M)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-015	Vsg_dif(Y)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]
3-321-016	Vsg_dif(Rear)	ENG	[0.000 to 5.500 / 0 / 0.001 V/step]

3322	[Adjusted Ifsg]		
	Displays ID Sensor LED Current adjusted by V _{sg} .		
3-322-001	Ifsg(Front)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-002	Ifsg(K)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-003	Ifsg(C)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-004	Ifsg(M)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-005	Ifsg(Y)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-006	Ifsg(Rear)	ENG	[0.0 to 50.0 / 10 / 0.1 mA/step]
3-322-011	Ifsg_min(Front)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]
3-322-012	Ifsg_min(K)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]
3-322-013	Ifsg_min(C)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]
3-322-014	Ifsg_min(M)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]
3-322-015	Ifsg_min(Y)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]
3-322-016	Ifsg_min(Rear)	ENG	[0.0 to 50.0 / 27 / 0.1 mA/step]

3323	[Vsg Adj OK?]		
	Displays Vsg Adjustment Execution Result. (SP is assigned to be compatible with common model series)		
	<ul style="list-style-type: none"> • Left digit: TM/P sensor (R) • Right digit: TM/P sensor (L) 		
	Displays result by each sensor from left in R, then L order.		
	Code	Result	detail
	0	Did not EXEC.	(SP default)
	1	Succeed	-
	2	ID sensor proofread error	Out of range from Vsg= Vsg_reg(target value) \pm x.x[V/step]
	3	Offset voltage error	Voffset_reg>Max. or Voffset_dif>Max.
	4	LED Ampere Max. error.	Ifsg>Max.
5	ID sensor output error.	Vsg< Vsg_reg(error)	
9	Forced end	-	
3-323-001	History:Latest	ENG	[0 to 999999 / 0 / 1/step]
3-323-002	History:Latest2	ENG	[0 to 999999 / 0 / 1/step]
3-323-003	History:Latest3	ENG	[0 to 999999 / 0 / 1/step]
3-323-004	History:Latest4	ENG	[0 to 999999 / 0 / 1/step]
3-323-005	History:Latest5	ENG	[0 to 999999 / 0 / 1/step]
3-323-006	History:Latest6	ENG	[0 to 999999 / 0 / 1/step]
3-323-007	History:Latest7	ENG	[0 to 999999 / 0 / 1/step]
3-323-008	History:Latest8	ENG	[0 to 999999 / 0 / 1/step]
3-323-009	History:Latest9	ENG	[0 to 999999 / 0 / 1/step]
3-323-010	History:Latest10	ENG	[0 to 999999 / 0 / 1/step]
3330	[ID.Sens Coef :Disp]		
	Displays the latest value of Sensitivity Correction Coefficient: K2 or K5 of ID sensor.		

3-330-001	K2(Latest)(Front)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-002	K2(Latest)(K)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-003	K2(Latest)(C)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-004	K2(Latest)(M)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-005	K2(Latest)(Y)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-006	K2(Latest)(Rear)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-011	K5(Latest)(Front)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-012	K5(Latest)(K)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-013	K5(Latest)(C)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-014	K5(Latest)(M)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-015	K5(Latest)(Y)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-016	K5(Latest)(Rear)	ENG	[0 to 10 / 2.56 / 0.0001/step]
	Displays the shading correction for sensitivity correction coefficient: K2 of ID sensor.		
3-330-101	K2(Shad.C)(Front)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-102	K2(Shad.C)(K)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-103	K2(Shad.C)(C)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-104	K2(Shad.C)(M)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-105	K2(Shad.C)(Y)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-106	K2(Shad.C)(Rear)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-111	K2(Shad.M)(Front)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-112	K2(Shad.M)(K)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-113	K2(Shad.M)(C)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-114	K2(Shad.M)(M)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-115	K2(Shad.M)(Y)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-116	K2(Shad.M)(Rear)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-121	K2(Shad.Y)(Front)	ENG	[0 to 5 / 0.324 / 0.0001/step]

3-330-122	K2(Shad.Y)(K)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-123	K2(Shad.Y)(C)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-124	K2(Shad.Y)(M)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-125	K2(Shad.Y)(Y)	ENG	[0 to 5 / 0.324 / 0.0001/step]
3-330-126	K2(Shad.Y)(Rear)	ENG	[0 to 5 / 0.324 / 0.0001/step]
	Displays the shading correction for sensitivity correction coefficient: K5 of ID sensor.		
3-330-201	K5(Shad.C)(Front)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-202	K5(Shad.C)(K)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-203	K5(Shad.C)(C)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-204	K5(Shad.C)(M)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-205	K5(Shad.C)(Y)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-206	K5(Shad.C)(Rear)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-211	K5(Shad.M)(Front)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-212	K5(Shad.M)(K)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-213	K5(Shad.M)(C)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-214	K5(Shad.M)(M)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-215	K5(Shad.M)(Y)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-216	K5(Shad.M)(Rear)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-221	K5(Shad.Y)(Front)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-222	K5(Shad.Y)(K)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-223	K5(Shad.Y)(C)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-224	K5(Shad.Y)(M)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-225	K5(Shad.Y)(Y)	ENG	[0 to 10 / 2.56 / 0.0001/step]
3-330-226	K5(Shad.Y)(Rear)	ENG	[0 to 10 / 2.56 / 0.0001/step]

3333	[ID.Sens Coef :Set(Front)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-333-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001/step]
3-333-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01/step]
3-333-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-333-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-333-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-333-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3334	[ID.Sens Coef :Set(K)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-334-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001/step]
3-334-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01/step]
3-334-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-334-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-334-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-334-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3335	[ID.Sens Coef :Set(C)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-335-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001/step]
3-335-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01/step]
3-335-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]

3-335-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-335-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-335-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3336	[ID.Sens Coef :Set(M)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-336-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001/step]
3-336-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01/step]
3-336-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-336-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-336-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-336-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3337	[ID.Sens Coef :Set(Y)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-337-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001 /step]
3-337-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01 /step]
3-337-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-337-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-337-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-337-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3338	[ID.Sens Coef :Set(Rear)]		
	This is the coefficient used for adjusting Vsp/Vsg in accordance with the ID sensor test data. Input this coefficient, supplied with the sensor, to correct the variation of each sensor.		
3-338-001	K2: Check	ENG	[0 to 1 / 0.5 / 0.001/step]
3-338-002	Diffuse Corr	ENG	[0.75 to 1.35 / 1 / 0.01/step]
3-338-003	Vct_reg_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-338-004	Vct_reg_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]
3-338-005	Vct_dif_Slope Check	ENG	[0 to 200 / 0 / 0.1 mV/mA/step]
3-338-006	Vct_dif_Xint Check	ENG	[0 to 25.5 / 0 / 0.1 mA/step]

3400	[Toner Supply Type]		
	Selects Toner Supply Type		
3-400-001	K	ENG	[0 to 2 / 2 / 1/step]
3-400-002	C	ENG	0: FIXED 2: PID
3-400-003	M	ENG	
3-400-004	Y	ENG	

3411	[Toner Supply Amt: Disp]		
	Displays latest toner supply amount.		
3-411-001	Latest:K	ENG	[0 to 999 / 0 / 1 mg/step]
3-411-002	Latest:C	ENG	[0 to 999 / 0 / 1 mg/step]
3-411-003	Latest:M	ENG	[0 to 999 / 0 / 1 mg/step]
3-411-004	Latest:Y	ENG	[0 to 999 / 0 / 1 mg/step]

3440	[Fixed Supply Mode]		
	Sets Toner Supply Rate for Fixed Supply Mode.		

3-440-001	Fixed Rate: K	ENG	[0 to 100 / 5 / 1%/step]
3-440-002	Fixed Rate: C	ENG	
3-440-003	Fixed Rate: M	ENG	
3-440-004	Fixed Rate: Y	ENG	

3450	[Toner Supply PID: Setting]		
	Sets the supply coefficient in direct ratio to Vt-Vtref for the toner supply PID.		
3-450-001	Vt Proportion Coeff: K	ENG	[0 to 100 / 5 / 1%/step]
3-450-002	Vt Proportion Coeff: C	ENG	[0 to 100 / 5 / 1%/step]
3-450-003	Vt Proportion Coeff: M	ENG	[0 to 100 / 5 / 1%/step]
3-450-004	Vt Proportion Coeff: Y	ENG	[0 to 100 / 5 / 1%/step]
	Sets the supply coefficient in direct ratio to pixel for the toner supply PID.		
3-450-011	Pixel Proportion Coeff 1: K	ENG	[0 to 150 / 100 / 1%/step]
3-450-012	Pixel Proportion Coeff 1: C	ENG	[0 to 150 / 100 / 1%/step]
3-450-013	Pixel Proportion Coeff 1: M	ENG	[0 to 150 / 100 / 1%/step]
3-450-014	Pixel Proportion Coeff 1: Y	ENG	[0 to 150 / 100 / 1%/step]
	Sets the supply coefficient based on the difference accumulation of Vt-Vtref for the toner supply PID.		
3-450-071	Vt Integral Coeff: K	ENG	[0 to 2550 / 500 / 1 mg/V/step]
3-450-072	Vt Integral Coeff: C	ENG	[0 to 2550 / 500 / 1 mg/V/step]
3-450-073	Vt Integral Coeff: M	ENG	[0 to 2550 / 500 / 1 mg/V/step]
3-450-074	Vt Integral Coeff: Y	ENG	[0 to 2550 / 500 / 1 mg/V/step]

3500	[ImgQtyAdj :ON/OFF]		
	0: OFF, 1: ON		
3-500-001	ALL	ENG	[0 or 1 / 1 / 1/step]
3-500-002	Process Control	ENG	[0 or 1 / 1 / 1/step]

3-500-003	MUSIC	ENG	[0 or 1 / 1 / 1/step]
3-500-004	Init TD Sensor	ENG	[0 or 1 / 1 / 1/step]
3-500-005	DEMS	ENG	[0 or 1 / 1 / 1/step]

3510	[ImgQtyAdj :ExeFlag]		
	Controls developing line speed ratio, Vtref lower limit and background density.		
3-510-064	Image Process Variable Control	ENG	[0 or 1 / 0 / 1/step] DFU

3520	[ImgQtyAdj :Interval]		
	3-520-001	During Job	ENG [0 to 100 / 30 / 1 sheet/step]
Sets Image Quality Adjustment Interval page being printed.			

3521	[Drum Stop Time :Disp]		
	Displays Drum Stop Time		
3-521-001	Year	ENG	[0 to 99 / 0 / 1year/step]
3-521-002	Month	ENG	[0 to 12 / 1 / 1 month/step]
3-521-003	Day	ENG	[0 to 31 / 1 / 1 day/step]
3-521-004	Hour	ENG	[0 to 23 / 0 / 1 hour/step]
3-521-005	Minute	ENG	[0 to 59 / 0 / 1 min/step]
3521	[Drum Stop Time Color :Disp]		
	Displays the color drum stop time.		
3-521-011	Year:Color	ENG	[0 to 99 / 0 / 1 year/step]
3-521-012	Month:Color	ENG	[1 to 12 / 1 / 1 month/step]
3-521-013	Day:Color	ENG	[1 to 31 / 1 / 1 day/step]
3-521-014	Hour:Color	ENG	[0 to 23 / 0 / 1 hour/step]
3-521-015	Minute:Color	ENG	[0 to 59 / 0 / 1 minute/step]

3522	[Drum Stop Environ :Disp]		
3-522-001	Temperature	ENG	[-99 to 99 / 23 / 0.1 deg/step]
	Displays Drum Stop Environment (Temperature).		
3-522-002	Rel Humidity	ENG	[0 to 100 / 50 / 0.1%RH/step]
	Displays Drum Stop Environment (Relative Humidity).		
3-522-003	Abs Humidity	ENG	[0 to 99 / 10.3 / 0.1 g/m ³ /step]
	Displays Drum Stop Environment (Absolute Humidity).		
3-522-011	Temperature:Color	ENG	[-99 to 99 / 23 / 0.1 deg/step]
3-522-012	Rel Humidity:Color	ENG	[0 to 100 / 50 / 0.1%RH/step]
3-522-013	Abs Humidity:Color	ENG	[0 to 99 / 10 / 0.1 g/m ³ /step]

3529	[ProCon Interval Control :Set]		
3-529-001	Gamma Corr	ENG	[0 or 1 / 1 / 1/step]
	Sets ON/OFF for Gamma Correction for ProCon Interval Control. 0: OFF, 1: ON		
3-529-002	Env Corr	ENG	[0 or 1 / 1 / 1/step]
	Sets ON/OFF for Environment Correction for ProCon Interval Control. 0: OFF, 1: ON		
3-529-003	AbsHum Threshold	ENG	[0.0 to 99.0 / 4.3 / 0.1 g/m ³ /step]
	Sets Absolute Humidity Threshold for Environment Correction for ProCon Interval Control.		
3-529-004	Max Cnt	ENG	[0 to 99 / 2 / 1 time/step]
	Sets Maximum Count Threshold for Interruption ProCon/Job End ProCon.		
3-529-005	Exe Cnt	ENG	[0 to 255 / 0 / 1 time/step]
	Displays Maximum Count for Interruption ProCon/Job End ProCon.		
3-529-006	Page Cnt:BW	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays ProCon (BW) Page Counter.		

3-529-007	Page Cnt:FC	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays ProCon (FC) Page Counter.		

3530	[PowerON ProCon :Set]		
3-530-001	Non-use Time Setting	ENG	[0 to 1440 / 30 / 1 min/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
3-530-002	Temperature Range	ENG	[0 to 99 / 10 / 1 deg/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
3-530-003	Relative Humidity Range	ENG	[0 to 99 / 50 / 1%RH/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
3-530-004	Absolute Humidity Range	ENG	[0 to 99 / 6 / 1g/m ³ /step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
3-530-005	Interval:BW	ENG	[0 to 5000 / 1 / 1 sheet/step]
	Sets the execution condition for the ProCon when the power is ON. Determines the need for the ProCon at power ON when the cumulative number of printed sheets of the last is larger than the set value.		
3-530-006	Interval:FC	ENG	[0 to 5000 / 1 / 1 sheet/step]
	Sets the execution condition for the ProCon when the power is ON. Determines the need for the ProCon at power ON when the cumulative number of printed sheets of the last is larger than the set value.		
3-530-007	Sheet Cnt:BW	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Sets ProCon (BW) Page Counter when the power is ON.		
3-530-008	Sheet Cnt:FC	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Sets ProCon (FC) Page Counter when the power is ON.		
3-530-009	Non-use Time: Long Term	ENG	[0 to 1440 / 120 / 1 minute/step]

3532	[JobIn Procon :Set]		
	Sets ProCon Execution Judgment Threshold during the waiting time.		

3-532-001	Non-use Time Setting	ENG	[0 to 1440 / 30 / 1 min/step]
3-532-002	Temperature Range	ENG	[0 to 99 / 3 / 1 deg/step]
3-532-003	Relative Humidity Range	ENG	[0 to 99 / 10 / 1%RH/step]
3-532-004	Absolute Humidity Range	ENG	[0 to 99 / 3 / 1 g/m ³ /step]
3-532-005	Interval:BW	ENG	[0 to 5000 / 0 / 1 sheet/step]
3-532-006	Interval:FC	ENG	[0 to 5000 / 0 / 1 sheet/step]
3-532-007	Sheet Cnt:BW	ENG	[0 to 5000 / 0 / 1 sheet/step]
3-532-008	Sheet Cnt:FC	ENG	[0 to 5000 / 0 / 1 sheet/step]
3-532-101	Non-use Time Setting1	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-102	Non-use Time Setting2	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-103	Non-use Time Setting3	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-104	Non-use Time Setting4	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-105	Non-use Time Setting5	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-106	Non-use Time Setting6	ENG	[0 to 1440 / 0 / 1 min/step]
3-532-111	Non-use Time: Long Term1	ENG	[0 to 1440 / 60 / 1 min/step]
3-532-112	Non-use Time: Long Term2	ENG	[0 to 1440 / 60 / 1 min/step]
3-532-113	Non-use Time: Long Term3	ENG	[0 to 1440 / 60 / 1 min/step]
3-532-114	Non-use Time: Long Term4	ENG	[0 to 1440 / 10 / 1 min/step]
3-532-115	Non-use Time: Long Term5	ENG	[0 to 1440 / 10 / 1 min/step]
3-532-116	Non-use Time: Long Term6	ENG	[0 to 1440 / 10 / 1 min/step]

3533	[Interrupt ProCon :Set]		
3-533-001	Interval:Set:BW	ENG	[0 to 20000 / 10000 / 1 sheet/step]
	Sets Interruption ProCon (BW) Page Interval.		

3-533-002	Interval:Disp:BW	ENG	[0 to 20000 / 0 / 1 sheet/step]
	Displays Interruption ProCon (BW) Page Interval.		
3-533-003	Corr(Short):BW	ENG	[0.00 to 1.00 / 1 / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Interruption ProCon (BW).		
3-533-004	Corr(Mid):BW	ENG	[0.00 to 1.00 / 1 / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Interruption ProCon (BW).		
3-533-007	Sheet Cnt:BW	ENG	[0 to 20000 / 0 / 1 sheet/step]
3-533-008	Sheet Cnt:FC	ENG	[0 to 20000 / 0 / 1 sheet/step]
3-533-011	Interval:Set:FC	ENG	[0 to 20000 / 10000 / 1 sheet/step]
	Sets Interruption ProCon (FC) Page Interval.		
3-533-012	Interval:Disp:FC	ENG	[0 to 20000 / 0 / 1 sheet/step]
	Displays Interruption ProCon (FC) Page Interval.		
3-533-013	Corr(Short):FC	ENG	[0.00 to 1.00 / 1 / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Interruption ProCon (FC).		
3-533-014	Corr(Mid):FC	ENG	[0.00 to 1.00 / 1 / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Interruption ProCon (FC).		

3534	[JobEnd ProCon :Set]		
3-534-001	Interval:Set:BW	ENG	[0 to 5000 / 2000 / 1 sheet/step]
	Sets Job End ProCon (BW) Page Interval.		
3-534-002	Interval:Disp:BW	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays Job End ProCon (BW) Page Interval.		
3-534-003	Corr(Short):BW	ENG	[0.00 to 1.00 / 0.05 / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Job End ProCon (BW).		

3-534-004	Corr(Mid):BW	ENG	[0.00 to 1.00 / 0.5 / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Job End ProCon (BW).		
3-534-011	Interval:Set:FC	ENG	[0 to 5000 / 2000 / 1 sheet/step]
	Sets Job End ProCon (FC) Page Interval.		
3-534-012	Interval:Disp:FC	ENG	[0 to 5000 / 0 / 1 sheet/step]
	Displays Job End ProCon (FC) Page Interval.		
3-534-013	Corr(Short):FC	ENG	[0.00 to 1.00 / 0.05 / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Job End ProCon (FC).		
3-534-014	Corr(Mid):FC	ENG	[0.00 to 1.00 / 0.5 / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Job End ProCon (FC).		

3535	[Img Process Variable Ctl: Set]		
	-		
3-535-001	Execution Timing	ENG	[0 to 2 / 0 / 1/step] 0: OFF 1: Only Power ON 2: Before Print

3536	[Img Process Variable Ctl: Set]		
	Controls developing line speed ratio, Vtref lower limit and background density. 0: 1.3 1: 1.45 2: 1.55		
3-536-001	Dev Roll Spd Ratio: LLL 1st:K	ENG	[0 to 2 / 1 / 1/step]
3-536-002	Dev Roll Spd Ratio: LL 1st:K	ENG	[0 to 2 / 1 / 1/step]
3-536-003	Dev Roll Spd Ratio: ML 1st:K	ENG	[0 to 2 / 1 / 1/step]
3-536-004	Dev Roll Spd Ratio: MM 1st:K	ENG	[0 to 2 / 1 / 1/step]
3-536-005	Dev Roll Spd Ratio: MH 1st:K	ENG	[0 to 2 / 0 / 1/step]

3-536-006	Dev Roll Spd Ratio: HH 1st:K	ENG	[0 to 2 / 0 / 1/step]
3-536-007	Dev Roll Spd Ratio: LLL 2nd:K	ENG	[0 to 2 / 1 / 1/step]
3-536-008	Dev Roll Spd Ratio: LL 2nd:K	ENG	[0 to 2 / 1 / 1/step]
3-536-009	Dev Roll Spd Ratio: ML 2nd:K	ENG	[0 to 2 / 1 / 1/step]
3-536-010	Dev Roll Spd Ratio: MM 2nd:K	ENG	[0 to 2 / 1 / 1/step]
3-536-011	Dev Roll Spd Ratio: MH 2nd:K	ENG	[0 to 2 / 0 / 1/step]
3-536-012	Dev Roll Spd Ratio: HH 2nd:K	ENG	[0 to 2 / 0 / 1/step]
3-536-013	Dev Roll Spd Ratio: LLL 1st:C	ENG	[0 to 2 / 2 / 1/step]
3-536-014	Dev Roll Spd Ratio: LL 1st:C	ENG	[0 to 2 / 1 / 1/step]
3-536-015	Dev Roll Spd Ratio: ML 1st:C	ENG	[0 to 2 / 1 / 1/step]
3-536-016	Dev Roll Spd Ratio: MM 1st:C	ENG	[0 to 2 / 1 / 1/step]
3-536-017	Dev Roll Spd Ratio: MH 1st:C	ENG	[0 to 2 / 1 / 1/step]
3-536-018	Dev Roll Spd Ratio: HH 1st:C	ENG	[0 to 2 / 1 / 1/step]
3-536-019	Dev Roll Spd Ratio: LLL 2nd:C	ENG	[0 to 2 / 1 / 1/step]
3-536-020	Dev Roll Spd Ratio: LL 2nd:C	ENG	[0 to 2 / 1 / 1/step]
3-536-021	Dev Roll Spd Ratio: ML 2nd:C	ENG	[0 to 2 / 1 / 1/step]
3-536-022	Dev Roll Spd Ratio: MM 2nd:C	ENG	[0 to 2 / 1 / 1/step]
3-536-023	Dev Roll Spd Ratio: MH 2nd:C	ENG	[0 to 2 / 0 / 1/step]
3-536-024	Dev Roll Spd Ratio: HH 2nd:C	ENG	[0 to 2 / 0 / 1/step]
3-536-025	Dev Roll Spd Ratio: LLL 1st:M	ENG	[0 to 2 / 2 / 1/step]
3-536-026	Dev Roll Spd Ratio: LL 1st:M	ENG	[0 to 2 / 1 / 1/step]
3-536-027	Dev Roll Spd Ratio: ML 1st:M	ENG	[0 to 2 / 1 / 1/step]
3-536-028	Dev Roll Spd Ratio: MM 1st:M	ENG	[0 to 2 / 1 / 1/step]
3-536-029	Dev Roll Spd Ratio: MH 1st:M	ENG	[0 to 2 / 1 / 1/step]
3-536-030	Dev Roll Spd Ratio: HH 1st:M	ENG	[0 to 2 / 1 / 1/step]
3-536-031	Dev Roll Spd Ratio: LLL 2nd:M	ENG	[0 to 2 / 1 / 1/step]

3-536-032	Dev Roll Spd Ratio: LL 2nd:M	ENG	[0 to 2 / 1 / 1/step]
3-536-033	Dev Roll Spd Ratio: ML 2nd:M	ENG	[0 to 2 / 1 / 1/step]
3-536-034	Dev Roll Spd Ratio: MM 2nd:M	ENG	[0 to 2 / 1 / 1/step]
3-536-035	Dev Roll Spd Ratio: MH 2nd:M	ENG	[0 to 2 / 0 / 1/step]
3-536-036	Dev Roll Spd Ratio: HH 2nd:M	ENG	[0 to 2 / 0 / 1/step]
3-536-037	Dev Roll Spd Ratio: LLL 1st:Y	ENG	[0 to 2 / 2 / 1/step]
3-536-038	Dev Roll Spd Ratio: LL 1st:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-039	Dev Roll Spd Ratio: ML 1st:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-040	Dev Roll Spd Ratio: MM 1st:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-041	Dev Roll Spd Ratio: MH 1st:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-042	Dev Roll Spd Ratio: HH 1st:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-043	Dev Roll Spd Ratio: LLL 2nd:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-044	Dev Roll Spd Ratio: LL 2nd:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-045	Dev Roll Spd Ratio: ML 2nd:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-046	Dev Roll Spd Ratio: MM 2nd:Y	ENG	[0 to 2 / 1 / 1/step]
3-536-047	Dev Roll Spd Ratio: MH 2nd:Y	ENG	[0 to 2 / 0 / 1/step]
3-536-048	Dev Roll Spd Ratio: HH 2nd:Y	ENG	[0 to 2 / 0 / 1/step]
3-536-049	Background Pot: LLL 1st:K	ENG	[0 to 255 / 130 / 1 V/step]
3-536-050	Background Pot: LLL 1st:C	ENG	[0 to 255 / 130 / 1 V/step]
3-536-051	Background Pot: LLL 1st:M	ENG	[0 to 255 / 130 / 1 V/step]
3-536-052	Background Pot: LLL 1st:Y	ENG	[0 to 255 / 130 / 1 V/step]
3-536-053	Vtref Lower Limit: LLL 1st:K	ENG	[0 to 5 / 2.6 / 0.01 V/step]
3-536-054	Vtref Lower Limit: LLL 1st:C	ENG	[0 to 5 / 2.6 / 0.01 V/step]
3-536-055	Vtref Lower Limit: LLL 1st:M	ENG	[0 to 5 / 2.6 / 0.01 V/step]
3-536-056	Vtref Lower Limit: LLL 1st:Y	ENG	[0 to 5 / 2.6 / 0.01 V/step]
3-536-057	Dev Roll Distance Thresh: K	ENG	[0 to 99999999 / 4760 / 1 m/step]

3-536-058	Dev Roll Distance Thresh: C	ENG	[0 to 99999999 / 4760 / 1 m/step]
3-536-059	Dev Roll Distance Thresh: M	ENG	[0 to 99999999 / 4760 / 1 m/step]
3-536-060	Dev Roll Distance Thresh: Y	ENG	[0 to 99999999 / 4760 / 1 m/step]

3537	[Img Process Ctl: Default Set]		
	Controls developing line speed ratio, Vtref lower limit and background density when SP3-535-001 (Img Process Variable Ctl: Set) is set to "0" (OFF).		
3-537-001	Dev Roll Rotation: K: Std Spd	ENG	[343 to 719 / * / 1 rpm/step] * M238: 590 , M205: 472
3-537-002	Dev Roll Rotation: C: Std Spd	ENG	[343 to 719 / * / 1 rpm/step] * M238: 590 , M205: 472
3-537-003	Dev Roll Rotation: M: Std Spd	ENG	[343 to 719 / * / 1 rpm/step] * M238: 590 , M205: 472
3-537-004	Dev Roll Rotation: Y: Std Spd	ENG	[343 to 719 / * / 1 rpm/step] * M238: 590 , M205: 472
3-537-005	Dev Roll Rotation: K: Low Spd	ENG	[343 to 719 / 354 / 1 rpm/step]
3-537-006	Dev Roll Rotation: C: Low Spd	ENG	[343 to 719 / 354 / 1 rpm/step]
3-537-007	Dev Roll Rotation: M: Low Spd	ENG	[343 to 719 / 354 / 1 rpm/step]
3-537-008	Dev Roll Rotation: Y: Low Spd	ENG	[343 to 719 / 354 / 1 rpm/step]
3-537-009	Vtref Lower Limit: K	ENG	[0 to 5 / 2 / 0.01 V/step]
3-537-010	Vtref Lower Limit: C	ENG	[0 to 5 / 2 / 0.01 V/step]
3-537-011	Vtref Lower Limit: M	ENG	[0 to 5 / 2 / 0.01 V/step]
3-537-012	Vtref Lower Limit: Y	ENG	[0 to 5 / 2 / 0.01 V/step]
3-537-013	Background Potential: K	ENG	[0 to 255 / 170 / 1 V/step]
3-537-014	Background Potential: C	ENG	[0 to 255 / 170 / 1 V/step]
3-537-015	Background Potential: M	ENG	[0 to 255 / 170 / 1 V/step]
3-537-016	Background Potential: Y	ENG	[0 to 255 / 170 / 1 V/step]

3539	[Dev Agitating Time :Set]		
3-539-001	Time	ENG	[0 to 3000 / 0 / 1 sec/step]
	Sets Developer Agitating Time.		
3-539-010	ON/OFF(by AbsHum)	ENG	[0 or 1 / 0 / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Developer Agitating Time. 0: OFF, 1: ON		
3-539-030	ON/OFF(by Non-use Time)	ENG	[0 or 1 / 1 / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Developer Agitating Time. 0: OFF, 1: ON		
3-539-031	by Non-use Time:1	ENG	[0 to 3000 / 0 / 1 sec/step]
3-539-032	by Non-use Time:2	ENG	[0 to 3000 / 0 / 1 sec/step]
3-539-033	by Non-use Time:3	ENG	[0 to 3000 / 15 / 1 sec/step]
3-539-034	by Non-use Time:4	ENG	[0 to 3000 / 15 / 1 sec/step]
3-539-035	by Non-use Time:5	ENG	[0 to 3000 / 30 / 1 sec/step]
3-539-036	by Non-use Time:6	ENG	[0 to 3000 / 30 / 1 sec/step]
3-539-037	by Non-use Time:7	ENG	[0 to 3000 / 60 / 1 sec/step]
3-539-038	by Non-use Time:8	ENG	[0 to 3000 / 60 / 1 sec/step]
3-539-039	by Non-use Time:9	ENG	[0 to 3000 / 60 / 1 sec/step]
3-539-040	by Non-use Time:10	ENG	[0 to 3000 / 60 / 1 sec/step]
3-539-050	ON/OFF(by Non-use Time)	ENG	[0 or 1 / 0 / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Image Coverage Correction. 0: OFF, 1: ON		

3553	[Interrupt ProCon :Set]		
	Sets the TC threshold of the interrupt Procon 1 to prevent background stains.		
3-553-021	Delta TC threshold2:K	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]
3-553-022	Delta TC threshold2:C	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]

3-553-023	Delta TC threshold2:M	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]
3-553-024	Delta TC threshold2:Y	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]

3553	[Interrupt ProCon :Set]		
	Sets the TC threshold of the interrupt Procon 2 to prevent background stains.		
3-553-031	Delta TC threshold3:K	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]
3-553-032	Delta TC threshold3:C	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]
3-553-033	Delta TC threshold3:M	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]
3-553-034	Delta TC threshold3:Y	ENG	[0.0 to 25.5 / 0.5 / 0.1 wt%/step]

3553	[Interrupt ProCon :Set]		
	-		
3-553-041	TC check interval	ENG	[0.0 to 100 / 1.0 / 0.1 sec/step]

Group 3000 (3/3)

SP3-600 to -948 (Process)

3600	[Select ProCon]		
3-600-001	Potential Control	ENG	[0 or 1 / 1 / 1/step]
	Sets Potential Control. 0: FIXED, 1: CONTROL		
3-600-003	TC Adj. Mode	ENG	[0 to 2 / 2 / 1/step]
	Sets Execution Timing for TC Adjustment ProCon. 0: Not Execute 1: 1st Power On 2: 1st Power On & Job End		
3-600-004	ACC RunTime ProCon	ENG	[0 to 2 / 2 / 1/step]
	Executes the same operation from SP as that of ACC RunTime ProCon. 0: Not Execute 1: Process Control 2: TC Control		
3-600-005	TC Adj. Times	ENG	[1 to 50 / 10 / 1/step]
	Sets the maximum value for Adjustment Loop Number for TC Adjustment ProCon.		
3-600-010	ActivePotentialControl	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Sets Active Potential Control.		
3-600-030	IBACC:ON/OFF	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON
3-600-040	DEMS Select	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Sets DEMS Select.		

3-600-070	IMSSe Select	ENG	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON
	Sets IMSSe Select.		
3-600-080	Main Scan Shading Correction	ENG	[0 or 1 / 1 / 1/step] 0: OFF, 1: ON

3

3611	[Chrg DC Control]		
	Displays Charge DC Bias determined by ProCon.		
3-611-001	Std Speed: K	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-002	Std Speed: C	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-003	Std Speed: M	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-004	Std Speed: Y	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-031	Low Speed2: K	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-032	Low Speed2: C	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-033	Low Speed2: M	ENG	[300 to 1350 / 520 / 1-V/step]
3-611-034	Low Speed2: Y	ENG	[300 to 1350 / 520 / 1-V/step]

3612	[Dev DC Control]		
	Displays Development Bias determined by ProCon.		
3-612-001	Std Speed: K	ENG	[200 to 900 / 350 / 1-V/step]
3-612-002	Std Speed: C	ENG	[200 to 900 / 350 / 1-V/step]
3-612-003	Std Speed: M	ENG	[200 to 900 / 350 / 1-V/step]
3-612-004	Std Speed: Y	ENG	[200 to 900 / 350 / 1-V/step]
3-612-031	Low Speed2: K	ENG	[200 to 900 / 350 / 1-V/step]
3-612-032	Low Speed2: C	ENG	[200 to 900 / 350 / 1-V/step]
3-612-033	Low Speed2: M	ENG	[200 to 900 / 350 / 1-V/step]
3-612-034	Low Speed2: Y	ENG	[200 to 900 / 350 / 1-V/step]

3613	[LD Power Control]		
	Displays LD Power determined by ProCon.		
3-613-001	Std Speed: K	ENG	[10 to 180 / 100 / 1%/step]
3-613-002	Std Speed: C	ENG	[10 to 180 / 100 / 1%/step]
3-613-003	Std Speed: M	ENG	[10 to 180 / 100 / 1%/step]
3-613-004	Std Speed: Y	ENG	[10 to 180 / 100 / 1%/step]

3620	[ProCon Target M/A]		
	Sets Coverage M/A (K).		
3-620-001	Maximum M/A:K	ENG	[0.250 to 0.750 / 0.38 / 0.001mg/cm ² /step]
	Sets Coverage M/A (K).		
3-620-002	Maximum M/A:C	ENG	[0.250 to 0.750 / 0.38 / 0.001mg/cm ² /step]
	Sets Coverage M/A (C).		
3-620-003	Maximum M/A:M	ENG	[0.250 to 0.750 / 0.411 / 0.001mg/cm ² /step]
	Sets Coverage M/A (M).		
3-620-004	Maximum M/A:Y	ENG	[0.250 to 0.750 / 0.382 / 0.001mg/cm ² /step]
	Sets Coverage M/A (Y).		
3-620-011	Maximum M/A Adj.:K	ENG	[-5 to 5 / 0 / 1/step]
	Sets Maximum M/A Adj. (K) [Operator Adjustment Item].		
3-620-012	Maximum M/A Adj.:C	ENG	[-5 to 5 / 0 / 1/step]
	Sets Maximum M/A Adj. (C) [Operator Adjustment Item].		
3-620-013	Maximum M/A Adj.:M	ENG	[-5 to 5 / 0 / 1/step]
	Sets Maximum M/A Adj. (M) [Operator Adjustment Item].		
3-620-014	Maximum M/A Adj.:Y	ENG	[-5 to 5 / 0 / 1/step]
	Sets Maximum M/A Adj. (Y) [Operator Adjustment Item].		

3-620-021	Maximum M/A Corr:K	ENG	[-0.150 to 0.150 / 0 / 0.001mg/cm ² /step]
	Corrects Coverage M/A (K) based on P_Rank if Development gamma is out of the target value.		
3-620-022	Maximum M/A Corr:C	ENG	[-0.150 to 0.150 / 0 / 0.001mg/cm ² /step]
	Corrects Coverage M/A (C) based on P_Rank if Development gamma is out of the target value.		
3-620-023	Maximum M/A Corr:M	ENG	[-0.150 to 0.150 / 0 / 0.001mg/cm ² /step]
	Corrects Coverage M/A (M) based on P_Rank if Development gamma is out of the target value.		
3-620-024	Maximum M/A Corr:Y	ENG	[-0.150 to 0.150 / 0 / 0.001mg/cm ² /step]
	Corrects Coverage M/A (Y) based on P_Rank if Development gamma is out of the target value.		
3-620-111	Plain:Maximum M/A:K	ENG	[0.250 to 0.750 / 0.38 / 0.001mg/cm ² /step]
	Sets Coverage M/A (K) Current Value for plain paper.		
3-620-112	Plain:Maximum M/A:C	ENG	[0.250 to 0.750 / 0.38 / 0.001mg/cm ² /step]
	Sets Coverage M/A (C) Current Value for plain paper.		
3-620-113	Plain:Maximum M/A:M	ENG	[0.250 to 0.750 / 0.411 / 0.001mg/cm ² /step]
	Sets Coverage M/A (M) Current Value for plain paper.		
3-620-114	Plain:Maximum M/A:Y	ENG	[0.250 to 0.750 / 0.382 / 0.001mg/cm ² /step]
	Sets Coverage M/A (Y) Current Value for plain paper.		
3-620-121	gloss:Maximum M/A:K	ENG	[0.250 to 0.750 / 0.39 / 0.001mg/cm ² /step]
	Sets Coverage M/A (K) Current Value for gloss paper.		

3-620-122	gloss:Maximum M/A:C	ENG	[0.250 to 0.750 / 0.369 / 0.001mg/cm ² /step]
	Sets Coverage M/A (C) Current Value for gloss paper.		
3-620-123	gloss:Maximum M/A:M	ENG	[0.250 to 0.750 / 0.393 / 0.001mg/cm ² /step]
	Sets Coverage M/A (M) Current Value for gloss paper.		
3-620-124	gloss:Maximum M/A:Y	ENG	[0.250 to 0.750 / 0.351 / 0.001mg/cm ² /step]
	Sets Coverage M/A (Y) Current Value for gloss paper.		
3-620-131	Matte:Maximum M/A:K	ENG	[0.25 to 0.75 / 0.38 / 0.001 mg/cm ² /step]
3-620-132	Matte:Maximum M/A:C	ENG	[0.25 to 0.75 / 0.38 / 0.001 mg/cm ² /step]
3-620-133	Matte:Maximum M/A:M	ENG	[0.25 to 0.75 / 0.411 / 0.001 mg/cm ² /step]
3-620-134	Matte:Maximum M/A:Y	ENG	[0.25 to 0.75 / 0.382 / 0.001 mg/cm ² /step]

3622	[Dev Pot :Set]		
3-622-001	Current: K	ENG	[0 to 1350 / 200 / 1V/step]
	Displays Development Potential: Current Value (K).		
3-622-002	Current: C	ENG	[0 to 1350 / 200 / 1V/step]
	Displays Development Potential: Current Value (C).		
3-622-003	Current: M	ENG	[0 to 1350 / 200 / 1V/step]
	Displays Development Potential: Current Value (M).		
3-622-004	Current: Y	ENG	[0 to 1350 / 200 / 1V/step]
	Displays Development Potential: Current Value (Y).		
3-622-011	Target:K	ENG	[0 to 1350 / 0 / 1V/step]
	Displays Development Potential: Target Value (K).		

3-622-012	Target:C	ENG	[0 to 1350 / 0 / 1V/step]
	Displays Development Potential: Target Value (C).		
3-622-013	Target:M	ENG	[0 to 1350 / 0 / 1V/step]
	Displays Development Potential: Target Value (M).		
3-622-014	Target:Y	ENG	[0 to 1350 / 0 / 1V/step]
	Displays Development Potential: Target Value (Y).		
3-622-051	UpperLimit:K	ENG	[400 to 1350 / 625 / 1V/step]
	Sets Development Potential (Upper Limit) (K).		
3-622-052	UpperLimit:C	ENG	[400 to 1350 / 625 / 1V/step]
	Sets Development Potential (Upper Limit) (C).		
3-622-053	UpperLimit:M	ENG	[400 to 1350 / 625 / 1V/step]
	Sets Development Potential (Upper Limit) (M).		
3-622-054	UpperLimit:Y	ENG	[400 to 1350 / 625 / 1V/step]
	Sets Development Potential (Upper Limit) (Y).		
3-622-061	LowerLimit:K	ENG	[0 to 400 / 0 / 1V/step]
	Sets Development Potential (Lower Limit) (K).		
3-622-062	LowerLimit:C	ENG	[0 to 400 / 0 / 1V/step]
	Sets Development Potential (Lower Limit) (C).		
3-622-063	LowerLimit:M	ENG	[0 to 400 / 0 / 1V/step]
	Sets Development Potential (Lower Limit) (M).		
3-622-064	LowerLimit:Y	ENG	[0 to 400 / 0 / 1V/step]
	Sets Development Potential (Lower Limit) (Y).		
3623	[LD Power :Set]		
	Displays LD power decided Procon.		

3-623-051	Line Width Adj.:K	ENG	[20 to 120 / 56 / 1um/step]
	Sets Line Width Adj. (K) [Operator Adjustment Item].		
3-623-052	Line Width Adj.:C	ENG	[20 to 120 / 56 / 1um/step]
	Sets Line Width Adj. (C) [Operator Adjustment Item].		
3-623-053	Line Width Adj.:M	ENG	[20 to 120 / 56 / 1um/step]
	Sets Line Width Adj. (M) [Operator Adjustment Item].		
3-623-054	Line Width Adj.:Y	ENG	[20 to 120 / 56 / 1um/step]
	Sets Line Width Adj. (Y) [Operator Adjustment Item].		
3-623-061	Line Width Adj.:K	ENG	[-5 to 5 / 0 / 1/step]
	Sets Line Width Adj. (K) [Operator Adjustment Item].		
3-623-062	Line Width Adj.:C	ENG	[-5 to 5 / 0 / 1/step]
	Sets Line Width Adj. (C) [Operator Adjustment Item].		
3-623-063	Line Width Adj.:M	ENG	[-5 to 5 / 0 / 1/step]
	Sets Line Width Adj. (M) [Operator Adjustment Item].		
3-623-064	Line Width Adj.:Y	ENG	[-5 to 5 / 0 / 1/step]
	Sets Line Width Adj. (Y) [Operator Adjustment Item].		
3-623-093	VI*Correct: Upper Limit	ENG	[0 to 20 / 5 / 1 time/step]

3624	[TC Adj. Mode]		
3-624-001	Target(Upp Limit)	ENG	[0.00 to 1.00 / 0.15 / 0.01 mg/cm ² /-kV/step]
	Sets Development gamma Adjustment Target (Upp Limit) for Toner Density Adjustment.		
3-624-002	Target(Lwr Limit)	ENG	[-1.00 to 0.00 / -0.1 / 0.01 mg/cm ² /-kV/step]
	Sets Development gamma Adjustment Target (Lwr Limit) for Toner Density Adjustment.		

3630	[Dev gamma :Disp/Set]		
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3-630-001	Current: K	ENG	[0.10 to 6.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays the latest Development gamma (K).		
3-630-002	Current: C	ENG	[0.10 to 6.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays the latest Development gamma (C).		
3-630-003	Current: M	ENG	[0.10 to 6.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays the latest Development gamma (M).		
3-630-004	Current: Y	ENG	[0.10 to 6.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays the latest Development gamma (Y).		
3-630-011	Target:K	ENG	[0.50 to 4.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays Target Value for Development gamma (K).		
3-630-012	Target:C	ENG	[0.50 to 4.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays Target Value for Development gamma (C).		
3-630-013	Target:M	ENG	[0.50 to 4.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays Target Value for Development gamma (M).		
3-630-014	Target:Y	ENG	[0.50 to 4.00 / 1.5 / 0.01 mg/cm ² /-kV/step]
	Displays Target Value for Development gamma (Y).		
3-630-061	TnrDensity:K	ENG	[0.0 to 25.5 / 0 / 0.1 wt%/step]
	Displays Toner Density (K) converted based on TD Sensor output.		
3-630-062	TnrDensity:C	ENG	[0.0 to 25.5 / 0 / 0.1 wt%/step]
	Displays Toner Density (C) converted based on TD Sensor output.		

3-630-063	TnrDensity:M	ENG	[0.0 to 25.5 / 0 / 0.1 wt%/step]
	Displays Toner Density (M) converted based on TD Sensor output.		
3-630-064	TnrDensity:Y	ENG	[0.0 to 25.5 / 0 / 0.1 wt%/step]
	Displays Toner Density (Y) converted based on TD Sensor output.		

3631	[Vk :Disp]		
	Displays the latest Development Start Voltage.		
3-631-001	K	ENG	[-300 to 300 / 0 / 1-V/step]
3-631-002	C	ENG	
3-631-003	M	ENG	
3-631-004	Y	ENG	

3641	[Vd(700) :Disp]		
	Average:K		
3-641-001	Average:K	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		
3-641-002	Average:C	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
3-641-003	Average:M	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
3-641-004	Average:Y	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
3-641-011	Max:K	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		

3-641-012	Max:C	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
3-641-013	Max:M	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
3-641-014	Max:Y	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
3-641-021	Min:K	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		
3-641-022	Min:C	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
3-641-023	Min:M	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
3-641-024	Min:Y	ENG	[0 to 999 / 0 / 1 -V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
3-641-031	Coef:K	ENG	[0.80 to 1.20 / 0.97 / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (K) calculated from Vc-Vd Plotter.		
3-641-032	Coef:C	ENG	[0.80 to 1.20 / 0.97 / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (C) calculated from Vc-Vd Plotter.		
3-641-033	Coef:M	ENG	[0.80 to 1.20 / 0.97 / 0.01/step]
	Sets Correction Coefficient ((Vc-Vd Convert Coefficient) (M) calculated from Vc-Vd Plotter.		

3-641-034	Coef:Y	ENG	[0.80 to 1.20 / 0.97 / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (Y) calculated from Vc-Vd Plotter.		

3642	[Vr:Disp]		
	Displays the latest OPC Vr.		
3-642-001	K	ENG	[0 to 999 / 100 / 1 -V/step]
3-642-002	C	ENG	
3-642-003	M	ENG	
3-642-004	Y	ENG	

3645	[Target Pot:Vpl*]		
	-		
3-645-021	VI*Calculation Method	ENG	[0 or 1 / 1 / 1/step] 0: Conventional Control 1: High VL Control

3649	[Pattern Pot:]		
	-		
3-649-001	VI(P10):K	ENG	[0 to 999 / 0 / 1-V/step]
	Displays VI (P10): (K) of the fifth patch for Graduation Pattern.		
3-649-002	VI(P10):C	ENG	[0 to 999 / 0 / 1-V/step]
	Displays VI (P10): (C) of the fifth patch for Graduation Pattern.		
3-649-003	VI(P10):M	ENG	[0 to 999 / 0 / 1-V/step]
	Displays VI (P10): (M) of the fifth patch for Graduation Pattern.		
3-649-004	VI(P10):Y	ENG	[0 to 999 / 0 / 1-V/step]
	Displays VI (P10): (Y) of the fifth patch for Graduation Pattern.		
3-649-011	Vpl:K	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Vpl (K) for Relay Pattern.		

3-649-012	Vpl:C	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Vpl (C) for Relay Pattern.		
3-649-013	Vpl:M	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Vpl (M) for Relay Pattern.		
3-649-014	Vpl:Y	ENG	[0 to 999 / 0 / 1-V/step]
	Displays Vpl (Y) for Relay Pattern.		

3650	[APC: Set]		
	Sets the TC threshold to prevent background stains.		
3-650-121	Delta TC threshold1:K	ENG	[0.0 to 25.5 / 0.3 / 0.1 wt%/step]
3-650-122	Delta TC threshold1:C	ENG	[0.0 to 25.5 / 0.3 / 0.1 wt%/step]
3-650-123	Delta TC threshold1:M	ENG	[0.0 to 25.5 / 0.3 / 0.1 wt%/step]
3-650-124	Delta TC threshold1:Y	ENG	[0.0 to 25.5 / 0.3 / 0.1 wt%/step]

3662	[IBACC:Disp/Set]		
	-		
3-662-001	Feedback rate : K	ENG	[0 to 100 / 100 / 1%/step]
3-662-002	Feedback rate : C	ENG	[0 to 100 / 100 / 1%/step]
3-662-003	Feedback rate : M	ENG	[0 to 100 / 100 / 1%/step]
3-662-004	Feedback rate : Y	ENG	[0 to 100 / 100 / 1%/step]

3670	[DEMS:Setting]		
	3-670-001	OFF/ON	ENG [0 or 1 / 0 / 1/step] 0: OFF, 1: ON
Sets OFF/ON for DEMS.			
3-670-010	Abp[1] Lwr Threshold	ENG	[0.000 to 0.100 / 0.003 / 0.001 mg/cm ² /step]
	Sets Abp[1] Lower Threshold for OPC Cycle of Development Bias.		

3-670-011	Abd[1] Lwr Threshold	ENG	[0.000 to 0.100 / 0.003 / 0.001 mg/cm ² /step]
	Sets Abd[1] Lower Threshold for Development Roller Cycle of Development Bias.		
3-670-020	deltaP_Upp Threshold	ENG	[0.0 to 180.0 / 60.0 / 0.1 deg/step]
	Sets the deltaP_Upp Threshold per rotating body rotation of Adhesion amount patch.		
3-670-031	Interval:BW	ENG	[0 to 100000 / 20000 / 1 sheet/step]
3-670-032	Interval:FC	ENG	[0 to 100000 / 20000 / 1 sheet/step]
3-670-041	Sheet Cnt:BW	ENG	[0 to 100000 / 0 / 1 sheet/step]
3-670-042	Sheet Cnt:FC	ENG	[0 to 100000 / 0 / 1 sheet/step]

3671	[Vc:Coef:Setting]		
3-671-001	Scp[1]	ENG	[0.00 to 2.55 / 1 / 0.01/step]
	Sets Frequency Correction Coefficient Scp[1] for OPC Cycle amplitude of Vc.		
3-671-002	Scp[C]	ENG	[0.00 to 2.55 / 1 / 0.01/step]
	Sets Frequency Correction Coefficient Scp[C] for OPC Cycle amplitude of Vc.		
3-671-003	Scp[M]	ENG	[0.00 to 2.55 / 1 / 0.01/step]
	Sets Frequency Correction Coefficient Scp[M] for OPC Cycle amplitude of Vc.		
3-671-004	Scp[Y]	ENG	[0.00 to 2.55 / 1 / 0.01/step]
	Sets Frequency Correction Coefficient Scp[Y] for OPC Cycle amplitude of Vc.		
3-671-051	Scd[1]	ENG	[0.00 to 2.55 / 1.1 / 0.01/step]]
	Sets Frequency Correction Coefficient Scd[1] for Development Roller Cycle amplitude of Vc.		

3675	[Vb:Coef:Setting]		
3-675-001	Sbp[1]	ENG	[0.00 to 2.55 / 1 / 0.01/step]
	Sets Frequency Correction Coefficient Sbp[1] for OPC Cycle amplitude of Vb.		

3-675-051	Sbd[1]	ENG	[0.00 to 2.55 / 1.1 / 0.01/step]
	Sets Frequency Correction Coefficient Sbd[1] for Development Roller Cycle amplitude of Vb.		

3810	[Lubricant End Detection]		
	Displays the lubricant status.		
3-810-001	Detection Flag:K	ENG	[0 to 3 / 0 / 1/step] 0: Normal 1: Mechanical detection 2: Near end detection 3: End detection
3-810-002	Detection Flag:C	ENG	[0 to 3 / 0 / 1/step] 0: Normal 1: Mechanical detection 2: Near end detection 3: End detection
3-810-003	Detection Flag:M	ENG	[0 to 3 / 0 / 1/step] 0: Normal 1: Mechanical detection 2: Near end detection 3: End detection
3-810-004	Detection Flag:Y	ENG	[0 to 3 / 0 / 1/step] 0: Normal 1: Mechanical detection 2: Near end detection 3: End detection
	-		
3-810-006	Near End Distance:K	ENG	[0 to 999999999 / 0 / 1 cm/step]
3-810-007	Near End Distance:C	ENG	[0 to 999999999 / 0 / 1 cm/step]
3-810-008	Near End Distance:M	ENG	[0 to 999999999 / 0 / 1 cm/step]

3-810-009	Near End Distance:Y	ENG	[0 to 999999999 / 0 / 1 cm/step]
	-		
3-810-011	End Detection Counter: K	ENG	[0 to 9 / 0 / 1/step]
3-810-012	End Detection Counter: C	ENG	[0 to 9 / 0 / 1/step]
3-810-013	End Detection Counter: M	ENG	[0 to 9 / 0 / 1/step]
3-810-014	End Detection Counter: Y	ENG	[0 to 9 / 0 / 1/step]
3-810-020	End Detection Counter: Thresh1	ENG	[1 to 8 / 1 / 1/step]
3-810-021	Near End Distance: Thresh2: K	ENG	[0 to 99999999 / 0 / 1 cm/step]
	Sets Distance Threshold (K) between Mecha Detection and Near End Detection.		
3-810-022	Near End Distance: Thresh2: FC	ENG	[0 to 99999999 / 0 / 1 cm/step]
	Sets Distance Threshold (FC) between Mecha Detection and Near End Detection.		
3-810-024	End Distance: Thresh3: K	ENG	[0 to 99999999 / 1200000 / 1 cm/step/step]
	Sets Distance Threshold (K) between Mecha Detection and End Detection.		
3-810-025	End Distance: Thresh3: FC	ENG	[0 to 99999999 / 1200000 / 1 cm/step/step]
	Sets Distance Threshold (FC) between Near End Detection and End Detection.		
3-810-030	Page After NE: Thresh4: K	ENG	[0 to 9999999 / 3200000 / 1/step]
3-810-031	Page After NE: Thresh4: FC	ENG	[0 to 9999999 / 3200000 / 1/step]
3-810-033	Distance After NE: Thresh4: K	ENG	[0 to 999999999 / 124000000 / 1 cm/step]
3-810-034	Distance After NE: Thresh4: FC	ENG	[0 to 999999999 / 124000000 / 1 cm/step]
3815	[Ppr Trans Blt Lub End Detect]		

3-815-001	Detection Flag	ENG	[0 to 3 / 0 / 1/step]
	Displays the lubricant status.		
3-815-002	Near End Distance	ENG	[0 to 999999999 / 0 / 1 cm/step]
3-815-003	End Detection Counter	ENG	[0 to 9 / 0 / 1/step]
3-815-004	End Detection Counter: Thresh1	ENG	[1 to 8 / 2 / 1/step]
3-815-005	Near End Distance: Thresh2	ENG	[0 to 999999999 / 0 / 1 cm/step]
	Sets Distance Threshold between Mecha Detection and Near End Detection.		
3-815-006	End Distance: Thresh3	ENG	[0 to 999999999 / 5000000 / 1 cm/step]
	Sets Distance Threshold between Mecha Detection and End Detection.		
3-815-007	Page After NE: Thresh4	ENG	[0 to 9999999 / 1800000 / 1/step]
3-815-008	Distance After NE: Thresh4	ENG	[0 to 999999999 / 65840000 / 1 cm/step]

3820	[Tnr Refresh Mode]		
3-820-001	Img Area Thresh:K	ENG	[0 to 25.5 / 2.5 / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode Bk.		
3-820-002	Img Area Thresh:C	ENG	[0 to 25.5 / 2.5 / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode C.		
3-820-003	Img Area Thresh:M	ENG	[0 to 25.5 / 2.5 / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode M.		
3-820-004	Img Area Thresh:Y	ENG	[0 to 25.5 / 2.5 / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode Y.		
3-820-011	K Amount	ENG	[-100000 to 200000 / -1000 / 0.1 mm/step]
	Displays required Toner Refresh amount for Bk.		

3-820-012	C Amount	ENG	[-100000 to 200000 / -1000 / 0.1 mm/step]
	Displays required Toner Refresh amount for C.		
3-820-013	M Amount	ENG	[-100000 to 200000 / -1000 / 0.1 mm/step]
	Displays required Toner Refresh amount for M.		
3-820-014	Y Amount	ENG	[-100000 to 200000 / -1000 / 0.1 mm/step]
	Displays required Toner Refresh amount for Y.		
3-820-021	Max Between Pattern	ENG	[0 to 255 / 40 / 1 mm/step]
	Sets Max Between Pattern for Toner Refresh.		
3-820-022	Max Job End Pattern	ENG	[0 to 10000 / 100 / 1 mm/step]
	Sets Max Job End Pattern for Toner Refresh.		
3-820-023	Between Ptn Start Threshold	ENG	[0 to 10000 / 1 / 1 mm/step]
	Sets Between Ptn Start Threshold for Toner Refresh.		
3-820-024	Job End Ptn Start Threshold	ENG	[0 to 10000 / 1 / 1 mm/step]
	Sets Job End Ptn Start Threshold for Toner Refresh.		
3-820-025	Paper Interval Adjustment	ENG	[0 to 255 / 25 / 1 mm/step]
	Sets Paper Interval Adjustment for Toner Refresh.		
3-820-031	Tnr Refresh Min Amount	ENG	[-100000 to 0 / -1000 / 0.1 mm/step]
	Sets Tnr Refresh Min Amount for Toner Refresh.		
3-820-032	Tnr Refresh Max Amount	ENG	[0 to 200000 / 100000 / 0.1 mm/step]
	Sets Tnr Refresh Max Amount for Toner Refresh.		
	-		
3-820-041	Img Area Thresh Change:K	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
3-820-042	Img Area Thresh Change:C	ENG	[0 to 25.5 / 2.4 / 0.1%/step]

3-820-043	Img Area Thresh Change:M	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
3-820-044	Img Area Thresh Change:Y	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
	-		
3-820-051	Img Area Thresh 2:K	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
3-820-052	Img Area Thresh 2:C	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
3-820-053	Img Area Thresh 2:M	ENG	[0 to 25.5 / 2.4 / 0.1%/step]
3-820-054	Img Area Thresh 2:Y	ENG	[0 to 25.5 / 2.4 / 0.1%/step]

3930	[Developer Life Predict: Displ]		
	Displays predicted distance history.		
3-930-001	Pre Life Predict Distance:K	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-002	Pre Life Predict Distance:C	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-003	Pre Life Predict Distance:M	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-004	Pre Life Predict Distance:Y	ENG	[0 to 99999999 / 0 / 1 m/step]
	Displays the image area ratio of life determination.		
3-930-011	Interval Image Area:K	ENG	[0 to 400000000 / 0 / 1 cm ² /step]
3-930-012	Interval Image Area:C	ENG	[0 to 400000000 / 0 / 1 cm ² /step]
3-930-013	Interval Image Area:M	ENG	[0 to 400000000 / 0 / 1 cm ² /step]
3-930-014	Interval Image Area:Y	ENG	[0 to 400000000 / 0 / 1 cm ² /step]
	Displays accumulation image area ratio from the start of using developer.		
3-930-021	Total Image Area Ratio:K	ENG	[0 to 100 / 0 / 0.1%/step]
3-930-022	Total Image Area Ratio:C	ENG	[0 to 100 / 0 / 0.1%/step]
3-930-023	Total Image Area Ratio:M	ENG	[0 to 100 / 0 / 0.1%/step]
3-930-024	Total Image Area Ratio:Y	ENG	[0 to 100 / 0 / 0.1%/step]
	Displays the shaving coat amount of developer calculated by life predict.		
3-930-041	Deterioration (Current):K	ENG	[0 to 99999999 / 0 / 1 m/step]

3-930-042	Deterioration (Current):C	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-043	Deterioration (Current):M	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-044	Deterioration (Current):Y	ENG	[0 to 99999999 / 0 / 1 m/step]
	Displays the developer life. (1: Life End)		
3-930-051	Life Value: K	ENG	[0 or 1 / 0 / 1/step]
3-930-052	Life Value: C	ENG	[0 or 1 / 0 / 1/step]
3-930-053	Life Value: M	ENG	[0 or 1 / 0 / 1/step]
3-930-054	Life Value: Y	ENG	[0 or 1 / 0 / 1/step]
	Displays the developer life distance.		
3-930-061	Life Distance: K	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-062	Life Distance: C	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-063	Life Distance: M	ENG	[0 to 99999999 / 0 / 1 m/step]
3-930-064	Life Distance: Y	ENG	[0 to 99999999 / 0 / 1 m/step]

3931	[Developer Life Predict: Set]		
	Displays the spent ratio of premix.		
3-931-001	Premix Ratio: K	ENG	[0 to 99 / 7.5 / 0.1 %/step]
3-931-002	Premix Ratio: C	ENG	[0 to 99 / 7.5 / 0.1 %/step]
3-931-003	Premix Ratio: M	ENG	[0 to 99 / 7.5 / 0.1 %/step]
3-931-004	Premix Ratio: Y	ENG	[0 to 99 / 7.5 / 0.1 %/step]
	Displays the life threshold value corresponding to the developer usage.		
3-931-031	Deterioration (Thresh):K	ENG	[0 to 99999999 / 1500000 / 1 m/step]
3-931-032	Deterioration (Thresh):C	ENG	[0 to 99999999 / 1500000 / 1 m/step]
3-931-033	Deterioration (Thresh):M	ENG	[0 to 99999999 / 1500000 / 1 m/step]

3-931-034	Deterioration (Thresh):Y	ENG	[0 to 99999999 / 1500000 / 1 m/ step]
	Displays the image area ratio to determine developer life as EM.		
3-931-041	EM Image Area Ratio:K	ENG	[0 to 100 / 8.75 / 0.01%/step]
3-931-042	EM Image Area Ratio:C	ENG	[0 to 100 / 8.75 / 0.01%/step]
3-931-043	EM Image Area Ratio:M	ENG	[0 to 100 / 8.75 / 0.01%/step]
3-931-044	EM Image Area Ratio:Y	ENG	[0 to 100 / 8.75 / 0.01%/step]
	Displays the toner consumption as the refresh image area ratio		
3-931-045	Refresh Image Area Ratio:K	ENG	[0 to 100 / 2.5 / 0.1%/step]
3-931-046	Refresh Image Area Ratio:C	ENG	[0 to 100 / 2.5 / 0.1%/step]
3-931-047	Refresh Image Area Ratio:M	ENG	[0 to 100 / 2.5 / 0.1%/step]
3-931-048	Refresh Image Area Ratio:Y	ENG	[0 to 100 / 2.5 / 0.1%/step]
	Displays the life threshold value when the average print coverage is standard 8.75% equivalent.		
3-931-049	Life: EM Image Area Ratio:K	ENG	[0 to 99999999 / 1132374 / 1 m/ step]
3-931-050	Life: EM Image Area Ratio:C	ENG	[0 to 99999999 / 1132374 / 1 m/ step]
3-931-051	Life: EM Image Area Ratio:M	ENG	[0 to 99999999 / 1132374 / 1 m/ step]
3-931-052	Life: EM Image Area Ratio:Y	ENG	[0 to 99999999 / 1132374 / 1 m/ step]
	Displays the life threshold value when the average print coverage is refresh threshold equivalent.		
3-931-053	Life: Rfrsh Image Area Ratio:K	ENG	[0 to 99999999 / 566187 / 1 m/ step]
3-931-054	Life: Rfrsh Image Area Ratio:C	ENG	[0 to 99999999 / 566187 / 1 m/ step]
3-931-055	Life: Rfrsh Image Area Ratio:M	ENG	[0 to 99999999 / 566187 / 1 m/ step]

3-931-056	Life: Rfrsh Image Area Ratio:Y	ENG	[0 to 99999999 / 566187 / 1 m/step]
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3940	[Image Area Counter: Display]		
	Displays accumulated image area (cm ²) for each Y, M, C, and K.		
3-940-001	1-K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-940-002	1-C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-940-003	1-M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-940-004	1-Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	Displays counter that exceeded to the upper limit (400,000,000 [cm ²]) of accumulated image area for each Y, M, C, and K.		
3-940-011	2-K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-940-012	2-C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-940-013	2-M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-940-014	2-Y	ENG	[0 to 4000000000 / 0 / 1 count/step]

3941	[Toner Consumpt Counter: Disp]		
	Displays each YMCK accumulated toner consumption (mg) for image area.		
3-941-001	1-K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-941-002	1-C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-941-003	1-M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-941-004	1-Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	Displays counter that exceeded to the upper limit (400,000,000 [mg]) of accumulated toner consumption for each Y, M, C, and K.		
3-941-011	2-K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-941-012	2-C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-941-013	2-M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-941-014	2-Y	ENG	[0 to 4000000000 / 0 / 1 count/step]

3942	[Paper Size Area Counter: Disp]		
	Displays accumulated areas of Y, M, C, and K (cm ²).		
3-942-001	1-K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-942-002	1-C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-942-003	1-M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-942-004	1-Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	Displays counter that exceeded the upper limit (400,000,000 cm ²) of accumulated area for each Y, M, C, and K.		
3-942-011	2-K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-942-012	2-C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-942-013	2-M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-942-014	2-Y	ENG	[0 to 4000000000 / 0 / 1 count/step]

3943	[A4 Convert Page Counter: Disp]		
	Displays accumulated image areas counted as A4.		
3-943-001	K	ENG	[0 to 400000000 / 0 / 0.1 page/step]
3-943-002	C	ENG	[0 to 400000000 / 0 / 0.1 page/step]
3-943-003	M	ENG	[0 to 400000000 / 0 / 0.1 page/step]
3-943-004	Y	ENG	[0 to 400000000 / 0 / 0.1 page/step]

3944	[Image Area Total Count: Disp]		
	Displays total (image area and non-image area) accumulated image area (cm ²) for each Y, M, C, and K.		
3-944-001	1-K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-944-002	1-C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-944-003	1-M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-944-004	1-Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]

	Displays counter that exceeded the upper limit (400,000,000 cm ²) of total (image area and non-image area) accumulated image area for each Y, M, C, and K.		
3-944-011	2-K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-944-012	2-C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-944-013	2-M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-944-014	2-Y	ENG	[0 to 4000000000 / 0 / 1 count/step]

3945	[Toner Consumpt Ttl Count: Disp]		
	Displays total (image area, non-image area) accumulated toner consumption (mg) for each Y, M, C, and K.		
3-945-001	1-K	ENG	[0 to 400000000 / 0 / 0.1 mg/step]
3-945-002	1-C	ENG	[0 to 400000000 / 0 / 0.1 mg/step]
3-945-003	1-M	ENG	[0 to 400000000 / 0 / 0.1 mg/step]
3-945-004	1-Y	ENG	[0 to 400000000 / 0 / 0.1 mg/step]
	Displays counter that exceeded to the upper limit (400,000,000 [mg]) of total (image area, non-image area) accumulated toner consumption for each Y, M, C, and K.		
3-945-011	2-K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-945-012	2-C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-945-013	2-M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-945-014	2-Y	ENG	[0 to 4000000000 / 0 / 1 count/step]

3946	[Processing Stop Times: Display]		
	Displays the imaging processing stop times.		
3-946-001	BW	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-946-002	FC	ENG	[0 to 4000000000 / 0 / 1 count/step]

3947	[Image Coverage Counter Clear]		
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3-947-001	Execute	ENG	[0 or 1 / 0 / 1/step] [Execute]
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3948	[Total Coverage: Intrvl Average]		
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3-948-001	Interval Average: K	ENG	[0 to 100 / 0 / 0.01 %/step]
3-948-002	Interval Average: C	ENG	[0 to 100 / 0 / 0.01 %/step]
3-948-003	Interval Average: M	ENG	[0 to 100 / 0 / 0.01 %/step]
3-948-004	Interval Average: Y	ENG	[0 to 100 / 0 / 0.01 %/step]
3-948-011	Average Page	ENG	[1 to 50000 / 10000 / 1 page/step]
	-		
3-948-021	Previous Total Image Area 1:K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-022	Previous Total Image Area 1:C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-023	Previous Total Image Area 1:M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-024	Previous Total Image Area 1:Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	-		
3-948-031	Previous Total Image Area 2:K	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-948-032	Previous Total Image Area 2:C	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-948-033	Previous Total Image Area 2:M	ENG	[0 to 4000000000 / 0 / 1 count/step]
3-948-034	Previous Total Image Area 2:Y	ENG	[0 to 4000000000 / 0 / 1 count/step]
	-		

3-948-041	Distance Image Area: K	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-042	Distance Image Area: C	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-043	Distance Image Area: M	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-044	Distance Image Area: Y	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	-		
3-948-051	Latest Log Directory: K	ENG	[1 to 20 / 1 / 1 /step]
3-948-052	Latest Log Directory: C	ENG	[1 to 20 / 1 / 1 /step]
3-948-053	Latest Log Directory: M	ENG	[1 to 20 / 1 / 1 /step]
3-948-054	Latest Log Directory: Y	ENG	[1 to 20 / 1 / 1 /step]
	<p>In the control of total coverage interval average, the average image area ratio of the past 10kp is calculated for each 0.5kp.</p> <p>Save first (0 to 0.5kp): History 1</p> <p>Save next (0.5kp to 1.0kp): History 2.....</p> <p>Save 9.5 to 10.0kp: History 20</p> <p>Save 10.0 to 10.5kp: History 1</p>		
3-948-061 to 080	Image Area Log: K1 to K20	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-081 to 100	Image Area Log: C1 to C20	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-101 to 120	Image Area Log: M1 to M20	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
3-948-121 to 140	Image Area Log: Y1 to Y20	ENG	[0 to 400000000 / 0 / 0.1 cm ² /step]
	-		
3-948-141 to 160	Distance Image Area Log: K1 to K20	ENG	[0 to 400000000 / 0.1 / 0.1 cm ² /step]
3-948-161 to 180	Distance Image Area Log: C1 to C20	ENG	[0 to 400000000 / 0.1 / 0.1 cm ² /step]
3-948-181 to 200	Distance Image Area Log: M1 to M20	ENG	[0 to 400000000 / 0.1 / 0.1 cm ² /step]

3-948-201 to 220	Distance Image Area Log: Y1 to Y20	ENG	[0 to 400000000 / 0.1 / 0.1 cm ² /step]
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Group 5000 (1/2)

SP5-009 to -725 (Mode)

5009	[Add Display Language]		
	<p>Adds language available in user choice. (Only the languages registered in the machine)</p> <p>Refer to the displayed language list to set in the way showed below.</p> <p>List Number Assigned Bit Switch</p> <p>No.1 to 8 BIT1 to 8 (SP5-009-201)</p> <p>No.9 to 16BIT1 to 8 (SP5-009-202)</p> <p>No.17 to 24BIT1 to 8 (SP5-009-203)</p> <p>No.25 to 32BIT1 to 8 (SP5-009-204)</p> <p>Example: To add American(No.3 in the list) or Czech (No.15)</p> <p>Turn Bit 3 of "SP5-009-201" 0 to 1 for American.</p> <p>Turn Bit 7 of "SP5-009-202" 0 to 1 for Czech.</p> <p>After setting, turn the main power switch off and on to make the setting valid.</p>		
5-009-201	1-8	*CTL	[1 to 255 / 0 / 1/step]
5-009-202	9-16	*CTL	[1 to 255 / 0 / 1/step]
5-009-203	17-24	*CTL	[1 to 255 / 0 / 1/step]
5-009-204	25-32	*CTL	[1 to 255 / 0 / 1/step]
5024	[mm/inch Display Selection]		
	Display units (mm or inch) for custom paper sizes.		
5-024-001	0:mm 1:inch	*CTL	[0 or 1 / 1 (USA), 0 (Europe/Asia) / 1/step] 0: mm 1: inch

5045	[Accounting counter]		
	Selects the counting method.		
<div style="border: 1px solid blue; border-radius: 10px; padding: 2px; display: inline-block;"> ↓ Note </div> <ul style="list-style-type: none"> Do not change the counter method except contract reason. 			
5-045-001	Counter Method	*CTL	[0 to 7 / 1 / step] 0: Developments 1: Prints 2: Coverage 7: Coverage (YMC)

5047	[Paper Display]		
	Turns on or off the printed paper display on the LCD.		
5-047-001	Backing Paper	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
5-047-002	Punched Paper	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5055	[Display IP Address]		
	Display or does not display the IP address on the operation panel.		
5-055-001	-	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5062	[Parts Replacement Alert Display]		
	Display or does not display the PM part yield on the LCD. 0: Not display, 1: Display		
5-062-001	#Development Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-062-002	Developer(Bk)	*CTL	[0 or 1 / 0 / 1/step]

5-062-003	Development Unit(Bk):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-062-004	#PCU Cleaning Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-062-005	PCU CL(Bk):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-006	PCU CL(Bk):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-007	PCU CL(Bk):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-008	PCU CL(Bk):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-009	PCU CL(Bk):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-062-010	PCU CL(Bk):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-012	#Charge Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-062-013	Charge Unit(Bk):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-014	Charge Unit(Bk):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-015	Charge Unit(Bk):Cushion	*CTL	[0 or 1 / 0 / 1/step]
5-062-016	Charge Unit(Bk):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-017	Charge Unit(Bk):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-018	Charge Unit(Bk):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-062-020	#Photoconductor Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-062-022	#Development Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-062-023	Developer(C)	*CTL	[0 or 1 / 0 / 1/step]

5-062-024	Development Unit(C):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-062-025	#PCU Cleaning Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-062-026	PCU CL(C):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-027	PCU CL(C):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-028	PCU CL(C):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-029	PCU CL(C):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-030	PCU CL(C):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-062-031	PCU CL(C):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-033	#Charge Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-062-034	Charge Unit(C):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-035	Charge Unit(C):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-036	Charge Unit(C):Cushion	*CTL	[0 or 1 / 0 / 1/step]
5-062-037	Charge Unit(C):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-038	Charge Unit(C):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-039	Charge Unit(C):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-062-040	#Photoconductor Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-062-043	#Development Unit(M)	*CTL	[0 or 1 / 0 / 1/step]
5-062-044	Developer(M)	*CTL	[0 or 1 / 0 / 1/step]

5-062-045	Development Unit(M):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-062-046	#PCU Cleaning Unit(M)	*CTL	[0 or 1 / 0 / 1/step]
5-062-047	PCU CL(M):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-048	PCU CL(M):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-049	PCU CL(M):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-050	PCU CL(M):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-051	PCU CL(M):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-062-052	PCU CL(M):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-054	#Charge Unit(M)	*CTL	[0 or 1 / 0 / 1/step]
5-062-055	Charge Unit(M):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-056	Charge Unit(M):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-057	Charge Unit(M):Cushion	*CTL	[0 or 1 / 0 / 1/step]
5-062-058	Charge Unit(M):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-062-059	Charge Unit(M):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-062-060	Charge Unit(M):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-062-062	#Photoconductor Unit(M)	*CTL	[0 or 1 / 0 / 1/step]
5-062-064	#Development Unit(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-062-065	Developer(Y)	*CTL	[0 or 1 / 0 / 1/step]

5-062-066	Development Unit(Y):Vent Filter	* CTL	[0 or 1 / 0 / 1/step]
5-062-067	#PCU Cleaning Unit(Y)	* CTL	[0 or 1 / 0 / 1/step]
5-062-068	PCU CL(Y):Cleaning Blade	* CTL	[0 or 1 / 0 / 1/step]
5-062-069	PCU CL(Y):Cleaning Roller	* CTL	[0 or 1 / 0 / 1/step]
5-062-070	PCU CL(Y):Lubrication Blade	* CTL	[0 or 1 / 0 / 1/step]
5-062-071	PCU CL(Y):Lubrication Roller	* CTL	[0 or 1 / 0 / 1/step]
5-062-072	PCU CL(Y):Lubricant	* CTL	[0 or 1 / 0 / 1/step]
5-062-073	PCU CL(Y):Collection Blade	* CTL	[0 or 1 / 0 / 1/step]
5-062-075	#Charge Unit(Y)	* CTL	[0 or 1 / 0 / 1/step]
5-062-076	Charge Unit(Y):Grid	* CTL	[0 or 1 / 0 / 1/step]
5-062-077	Charge Unit(Y):Corona Wire	* CTL	[0 or 1 / 0 / 1/step]
5-062-078	Charge Unit(Y):Cushion	* CTL	[0 or 1 / 0 / 1/step]
5-062-079	Charge Unit(Y):Cleaner:Grid	* CTL	[0 or 1 / 0 / 1/step]
5-062-080	Charge Unit(Y):Cleaner:Corona Wire	* CTL	[0 or 1 / 0 / 1/step]
5-062-081	Charge Unit(Y):Tension Spring	* CTL	[0 or 1 / 0 / 1/step]
5-062-083	#Photoconductor Unit(Y)	* CTL	[0 or 1 / 0 / 1/step]
5-062-085	#Intermediate Transfer Belt	* CTL	[0 or 1 / 0 / 1/step]
5-062-086	#Image Transfer Roller(Bk)	* CTL	[0 or 1 / 0 / 1/step]

5-062-087	#Image Transfer Roller(C)	* CTL	[0 or 1 / 0 / 1/step]
5-062-088	#Image Transfer Roller(M)	* CTL	[0 or 1 / 0 / 1/step]
5-062-089	#Image Transfer Roller(Y)	* CTL	[0 or 1 / 0 / 1/step]
5-062-090	#Paper Transfer Bias Roller	* CTL	[0 or 1 / 0 / 1/step]
5-062-091	#ITB Cleaning Unit	* CTL	[0 or 1 / 0 / 1/step]
5-062-092	ITB Cleaning Unit:Cleaning Roller:1st	* CTL	[0 or 1 / 0 / 1/step]
5-062-093	ITB Cleaning Unit:Cleaning Blade:1st	* CTL	[0 or 1 / 0 / 1/step]
5-062-094	ITB Cleaning Unit:Collection Roller:1st	* CTL	[0 or 1 / 0 / 1/step]
5-062-095	ITB Cleaning Unit:Cleaning Roller:2nd	* CTL	[0 or 1 / 0 / 1/step]
5-062-096	ITB Cleaning Unit:Cleaning Blade:2nd	* CTL	[0 or 1 / 0 / 1/step]
5-062-097	ITB Cleaning Unit:Collection Roller:2nd	* CTL	[0 or 1 / 0 / 1/step]
5-062-098	ITB Cleaning Unit:Cleaning Roller:3rd	* CTL	[0 or 1 / 0 / 1/step]
5-062-099	ITB Cleaning Unit:Cleaning Blade:3rd	* CTL	[0 or 1 / 0 / 1/step]
5-062-100	ITB Cleaning Unit:Collection Roller:3rd	* CTL	[0 or 1 / 0 / 1/step]
5-062-102	#ITB:Lubrication Unit	* CTL	[0 or 1 / 0 / 1/step]
5-062-103	ITB Lubrication Unit:Lubrication Roller	* CTL	[0 or 1 / 0 / 1/step]
5-062-104	ITB Lubrication Unit:Lubricant	* CTL	[0 or 1 / 0 / 1/step]
5-062-106	#Paper Transfer Unit	* CTL	[0 or 1 / 0 / 1/step]

5-062-107	Paper Transfer Unit:Paper Transfer Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-108	Paper Transfer Unit:Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-109	Paper Transfer Unit:Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-062-110	Paper Transfer Unit:Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-062-112	#Fuser Unit	*CTL	[0 or 1 / 0 / 1/step]
5-062-113	Fuser Unit:Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-114	Fuser Unit:Fusing Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-115	Fuser Unit:Pressure Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-116	Fuser Unit:Thermistor	*CTL	[0 or 1 / 0 / 1/step]
5-062-117	Fuser Unit:Separation Pad	*CTL	[0 or 1 / 0 / 1/step]
5-062-118	#Fuser Belt Smoothing Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-119	#Fuser Cleaning Unit	*CTL	[0 or 1 / 0 / 1/step]
5-062-121	#Dust Filter(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-062-122	#Dust Filter(C)	*CTL	[0 or 1 / 0 / 1/step]
5-062-123	#Dust Filter(M)	*CTL	[0 or 1 / 0 / 1/step]
5-062-124	#Dust Filter(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-062-125	#Ozone Filter	*CTL	[0 or 1 / 0 / 1/step]
5-062-130	#Waste Toner Bottle	*CTL	[0 or 1 / 0 / 1/step]
5-062-132	#Paper Cooling Belt:Upper	*CTL	[0 or 1 / 0 / 1/step]
5-062-133	#Paper Cooling Belt:Lower	*CTL	[0 or 1 / 0 / 1/step]
5-062-136	#Tray 1:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]

5-062-140	#Tray 2:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-144	#2-Tray LCT:Tray 3:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-148	#2-Tray LCT:Tray 4:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-152	#2-Tray LCT:Tray 5:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-156	#2-Tray LCT:Tray 6:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-160	#2-Tray LCT:Tray 7:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-164	#2-Tray LCT:Tray 8:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-168	#Bypass Tray	*CTL	[0 or 1 / 0 / 1/step]
5-062-169	Bypass Tray:Pickup Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-170	Bypass Tray:Feed Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-171	Bypass Tray:Separate Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-172	#Interposer Upper Tray	*CTL	[0 or 1 / 0 / 1/step]
5-062-173	Interposer Upper Tray:Pickup Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-174	Interposer Upper Tray:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-062-175	Interposer Upper Tray:Separate Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-176	#Interposer Lower Tray	*CTL	[0 or 1 / 0 / 1/step]
5-062-177	Interposer Lower Tray:Pickup Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-178	Interposer Lower Tray:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]

5-062-179	Interposer Lower Tray:Separate Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-198	#Trimming Unit	*CTL	[0 or 1 / 0 / 1/step]
5-062-199	#Trimming Catcher	*CTL	[0 or 1 / 0 / 1/step]
5-062-200	#Rotation Clamp Pad	*CTL	[0 or 1 / 0 / 1/step]
5-062-201	#Stack Rotation Vibrating Plate	*CTL	[0 or 1 / 0 / 1/step]
5-062-203	#Switchback Roller	*CTL	[0 or 1 / 0 / 1/step]
5-062-204	#Ripple Idle Roller(Center)	*CTL	[0 or 1 / 0 / 1/step]
5-062-205	#Ripple Idle Rollers	*CTL	[0 or 1 / 0 / 1/step]
5-062-206	#TE Press Roller(large)	*CTL	[0 or 1 / 0 / 1/step]
5-062-207	#TE Press Roller(small)	*CTL	[0 or 1 / 0 / 1/step]
5-062-209	#Spine Fold Harness(right)	*CTL	[0 or 1 / 0 / 1/step]
5-062-210	#Spine Fold Harness(left)	*CTL	[0 or 1 / 0 / 1/step]
5-062-211	#Signature Transport Harness	*CTL	[0 or 1 / 0 / 1/step]
5-062-213	#Stack Rotation Up-down Harness	*CTL	[0 or 1 / 0 / 1/step]
5-062-214	#Stack Rotation Grip Harness	*CTL	[0 or 1 / 0 / 1/step]
5-062-215	#Stack Rotate Press LED Harness	*CTL	[0 or 1 / 0 / 1/step]
5-062-217	#Pick-up Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-062-218	#Separation Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-062-219	#Feed Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-062-221	#Pick-up Roller Lower	*CTL	[0 or 1 / 0 / 1/step]
5-062-222	#Separation Roller Lower	*CTL	[0 or 1 / 0 / 1/step]

5-062-223	#Feed Roller Lower	* CTL	[0 or 1 / 0 / 1/step]
5-062-225	#Blade Cradle	* CTL	[0 or 1 / 0 / 1/step]
5-062-226	#Switchback Torque Limiter	* CTL	[0 or 1 / 0 / 1/step]
5-062-227	#Deodorant Filter(Upper&Lower)	* CTL	[0 or 1 / 0 / 1/step]
5-062-228	#Cover Feed Switchback Roller	* CTL	[0 or 1 / 0 / 1/step]
5-062-229	#Jogger Motor	* CTL	[0 or 1 / 0 / 1/step]
5-062-230	#Main Grip Motor	* CTL	[0 or 1 / 0 / 1/step]
5-062-231	#Signature Thickness Sensor	* CTL	[0 or 1 / 0 / 1/step]
5-062-232	#Signature Rotate Torque Diode	* CTL	[0 or 1 / 0 / 1/step]
5-062-233	#Trimnings Buffer Motor	* CTL	[0 or 1 / 0 / 1/step]
5-062-234	#Signature Press Trq Lmt Clutch	* CTL	[0 or 1 / 0 / 1/step]
5-062-236	#Ball Screw Unit	* CTL	[0 or 1 / 0 / 1/step]
5-062-237	#Sign/Stacking Discharger	* CTL	[0 or 1 / 0 / 1/step]
5-062-238	#Horizontal/Reg Discharger	* CTL	[0 or 1 / 0 / 1/step]
5-062-239	#Booklet Stack Drawer Connector	* CTL	[0 or 1 / 0 / 1/step]
5-062-240	#Edge Press Plate Sproket Ass'y	* CTL	[0 or 1 / 0 / 1/step]

5066	[PM Parts Display]
	Display or does not display the "Replaceable Parts List" button on the LCD. When setting to "1" (Display), the replaceable parts and the operation types (service / user) are displayed. The SP5-067 sets the operation types.

5-066-001	-	*CTL	[0 or 1 / 0 / 1/step] 0: Not display 1: Display
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5067	[Part Replacement Operation Type]		
	Selects the service maintenance or user maintenance for each PM parts. If the user service is selected, PM alert is displayed on the LCD 0: Service, 1: User		
5-067-001	#Development Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-002	Developer(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-003	Development Unit(Bk):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-067-004	#PCU Cleaning Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-005	PCU CL(Bk):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-006	PCU CL(Bk):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-007	PCU CL(Bk):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-008	PCU CL(Bk):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-009	PCU CL(Bk):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-067-010	PCU CL(Bk):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-012	#Charge Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-013	Charge Unit(Bk):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-014	Charge Unit(Bk):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-015	Charge Unit(Bk):Cushion	*CTL	[0 or 1 / 0 / 1/step]

5-067-016	Charge Unit(Bk):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-017	Charge Unit(Bk):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-018	Charge Unit(Bk):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-067-020	#Photoconductor Unit(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-022	#Development Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-067-023	Developer(C)	*CTL	[0 or 1 / 0 / 1/step]
5-067-024	Development Unit(C):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-067-025	#PCU Cleaning Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-067-026	PCU CL(C):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-027	PCU CL(C):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-028	PCU CL(C):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-029	PCU CL(C):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-030	PCU CL(C):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-067-031	PCU CL(C):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-033	#Charge Unit(C)	*CTL	[0 or 1 / 0 / 1/step]
5-067-034	Charge Unit(C):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-035	Charge Unit(C):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-036	Charge Unit(C):Cushion	*CTL	[0 or 1 / 0 / 1/step]

5-067-037	Charge Unit(C):Cleaner:Grid	* CTL	[0 or 1 / 0 / 1/step]
5-067-038	Charge Unit(C):Cleaner:Corona Wire	* CTL	[0 or 1 / 0 / 1/step]
5-067-039	Charge Unit(C):Tension Spring	* CTL	[0 or 1 / 0 / 1/step]
5-067-040	#Photoconductor Unit(C)	* CTL	[0 or 1 / 0 / 1/step]
5-067-043	#Development Unit(M)	* CTL	[0 or 1 / 0 / 1/step]
5-067-044	Developer(M)	* CTL	[0 or 1 / 0 / 1/step]
5-067-045	Development Unit(M):Vent Filter	* CTL	[0 or 1 / 0 / 1/step]
5-067-046	#PCU Cleaning Unit(M)	* CTL	[0 or 1 / 0 / 1/step]
5-067-047	PCU CL(M):Cleaning Blade	* CTL	[0 or 1 / 0 / 1/step]
5-067-048	PCU CL(M):Cleaning Roller	* CTL	[0 or 1 / 0 / 1/step]
5-067-049	PCU CL(M):Lubrication Blade	* CTL	[0 or 1 / 0 / 1/step]
5-067-050	PCU CL(M):Lubrication Roller	* CTL	[0 or 1 / 0 / 1/step]
5-067-051	PCU CL(M):Lubricant	* CTL	[0 or 1 / 0 / 1/step]
5-067-052	PCU CL(M):Collection Blade	* CTL	[0 or 1 / 0 / 1/step]
5-067-054	#Charge Unit(M)	* CTL	[0 or 1 / 0 / 1/step]
5-067-055	Charge Unit(M):Grid	* CTL	[0 or 1 / 0 / 1/step]
5-067-056	Charge Unit(M):Corona Wire	* CTL	[0 or 1 / 0 / 1/step]
5-067-057	Charge Unit(M):Cushion	* CTL	[0 or 1 / 0 / 1/step]

5-067-058	Charge Unit(M):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-059	Charge Unit(M):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-060	Charge Unit(M):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-067-062	#Photoconductor Unit(M)	*CTL	[0 or 1 / 0 / 1/step]
5-067-064	#Development Unit(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-065	Developer(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-066	Development Unit(Y):Vent Filter	*CTL	[0 or 1 / 0 / 1/step]
5-067-067	#PCU Cleaning Unit(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-068	PCU CL(Y):Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-069	PCU CL(Y):Cleaning Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-070	PCU CL(Y):Lubrication Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-071	PCU CL(Y):Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-072	PCU CL(Y):Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-067-073	PCU CL(Y):Collection Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-075	#Charge Unit(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-076	Charge Unit(Y):Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-077	Charge Unit(Y):Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-078	Charge Unit(Y):Cushion	*CTL	[0 or 1 / 0 / 1/step]

5-067-079	Charge Unit(Y):Cleaner:Grid	*CTL	[0 or 1 / 0 / 1/step]
5-067-080	Charge Unit(Y):Cleaner:Corona Wire	*CTL	[0 or 1 / 0 / 1/step]
5-067-081	Charge Unit(Y):Tension Spring	*CTL	[0 or 1 / 0 / 1/step]
5-067-083	#Photoconductor Unit(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-085	#Intermediate Transfer Belt	*CTL	[0 or 1 / 0 / 1/step]
5-067-086	#Image Transfer Roller(Bk)	*CTL	[0 or 1 / 0 / 1/step]
5-067-087	#Image Transfer Roller(C)	*CTL	[0 or 1 / 0 / 1/step]
5-067-088	#Image Transfer Roller(M)	*CTL	[0 or 1 / 0 / 1/step]
5-067-089	#Image Transfer Roller(Y)	*CTL	[0 or 1 / 0 / 1/step]
5-067-090	#Paper Transfer Bias Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-091	#ITB Cleaning Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-092	ITB Cleaning Unit:Cleaning Roller:1st	*CTL	[0 or 1 / 0 / 1/step]
5-067-093	ITB Cleaning Unit:Cleaning Blade:1st	*CTL	[0 or 1 / 0 / 1/step]
5-067-094	ITB Cleaning Unit:Collection Roller:1st	*CTL	[0 or 1 / 0 / 1/step]
5-067-095	ITB Cleaning Unit:Cleaning Roller:2nd	*CTL	[0 or 1 / 0 / 1/step]
5-067-096	ITB Cleaning Unit:Cleaning Blade:2nd	*CTL	[0 or 1 / 0 / 1/step]
5-067-097	ITB Cleaning Unit:Collection Roller:2nd	*CTL	[0 or 1 / 0 / 1/step]

5-067-098	ITB Cleaning Unit:Cleaning Roller:3rd	*CTL	[0 or 1 / 0 / 1/step]
5-067-099	ITB Cleaning Unit:Cleaning Blade:3rd	*CTL	[0 or 1 / 0 / 1/step]
5-067-100	ITB Cleaning Unit:Collection Roller:3rd	*CTL	[0 or 1 / 0 / 1/step]
5-067-102	#ITB:Lubrication Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-103	ITB Lubrication Unit:Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-104	ITB Lubrication Unit:Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-067-106	#Paper Transfer Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-107	Paper Transfer Unit:Paper Transfer Belt	*CTL	[0 or 1 / 0 / 1/step]
5-067-108	Paper Transfer Unit:Lubrication Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-109	Paper Transfer Unit:Cleaning Blade	*CTL	[0 or 1 / 0 / 1/step]
5-067-110	Paper Transfer Unit:Lubricant	*CTL	[0 or 1 / 0 / 1/step]
5-067-112	#Fuser Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-113	Fuser Unit:Belt	*CTL	[0 or 1 / 0 / 1/step]
5-067-114	Fuser Unit:Fusing Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-115	Fuser Unit:Pressure Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-116	Fuser Unit:Thermistor	*CTL	[0 or 1 / 0 / 1/step]
5-067-117	Fuser Unit:Separation Pad	*CTL	[0 or 1 / 0 / 1/step]
5-067-118	#Fuser Belt Smoothing Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-119	#Fuser Cleaning Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-121	#Dust Filter(Bk)	*CTL	[0 or 1 / 0 / 1/step]

5-067-122	#Dust Filter(C)	* CTL	[0 or 1 / 0 / 1/step]
5-067-123	#Dust Filter(M)	* CTL	[0 or 1 / 0 / 1/step]
5-067-124	#Dust Filter(Y)	* CTL	[0 or 1 / 0 / 1/step]
5-067-125	#Ozone Filter	* CTL	[0 or 1 / 0 / 1/step]
5-067-130	#Waste Toner Bottle	* CTL	[0 or 1 / 0 / 1/step]
5-067-132	#Paper Cooling Belt:Upper	* CTL	[0 or 1 / 0 / 1/step]
5-067-133	#Paper Cooling Belt:Lower	* CTL	[0 or 1 / 0 / 1/step]
5-067-136	#Tray 1:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-140	#Tray 2:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-144	#2-Tray LCT:Tray 3:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-148	#2-Tray LCT:Tray 4:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-152	#2-Tray LCT:Tray 5:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-156	#2-Tray LCT:Tray 6:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-160	#2-Tray LCT:Tray 7:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-164	#2-Tray LCT:Tray 8:Feed Belt	* CTL	[0 or 1 / 0 / 1/step]
5-067-168	#Bypass Tray	* CTL	[0 or 1 / 0 / 1/step]
5-067-169	Bypass Tray:Pickup Roller	* CTL	[0 or 1 / 0 / 1/step]
5-067-170	Bypass Tray:Feed Roller	* CTL	[0 or 1 / 0 / 1/step]
5-067-171	Bypass Tray:Separate Roller	* CTL	[0 or 1 / 0 / 1/step]
5-067-172	#Interposer Upper Tray	* CTL	[0 or 1 / 0 / 1/step]

5-067-173	Interposer Upper Tray:Pickup Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-174	Interposer Upper Tray:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-067-175	Interposer Upper Tray:Separate Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-176	#Interposer Lower Tray	*CTL	[0 or 1 / 0 / 1/step]
5-067-177	Interposer Lower Tray:Pickup Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-178	Interposer Lower Tray:Feed Belt	*CTL	[0 or 1 / 0 / 1/step]
5-067-179	Interposer Lower Tray:Separate Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-198	#Trimming Unit	*CTL	[0 or 1 / 0 / 1/step]
5-067-199	#Trimming Catcher	*CTL	[0 or 1 / 0 / 1/step]
5-067-200	#Rotation Clamp Pad	*CTL	[0 or 1 / 0 / 1/step]
5-067-201	#Stack Rotation Vibrating Plate	*CTL	[0 or 1 / 0 / 1/step]
5-067-203	#Switchback Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-204	#Ripple Idle Roller(Center)	*CTL	[0 or 1 / 0 / 1/step]
5-067-205	#Ripple Idle Rollers	*CTL	[0 or 1 / 0 / 1/step]
5-067-206	#TE Press Roller(large)	*CTL	[0 or 1 / 0 / 1/step]
5-067-207	#TE Press Roller(small)	*CTL	[0 or 1 / 0 / 1/step]
5-067-209	#Spine Fold Harness(right)	*CTL	[0 or 1 / 0 / 1/step]
5-067-210	#Spine Fold Harness(left)	*CTL	[0 or 1 / 0 / 1/step]
5-067-211	#Signature Transport Harness	*CTL	[0 or 1 / 0 / 1/step]

5-067-213	#Stack Rotation Up-down Harness	*CTL	[0 or 1 / 0 / 1/step]
5-067-214	#Stack Rotation Grip Harness	*CTL	[0 or 1 / 0 / 1/step]
5-067-215	#Stack Rotate Press LED Harness	*CTL	[0 or 1 / 0 / 1/step]
5-067-217	#Pick-up Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-067-218	#Separation Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-067-219	#Feed Roller Upper	*CTL	[0 or 1 / 0 / 1/step]
5-067-221	#Pick-up Roller Lower	*CTL	[0 or 1 / 0 / 1/step]
5-067-222	#Separation Roller Lower	*CTL	[0 or 1 / 0 / 1/step]
5-067-223	#Feed Roller Lower	*CTL	[0 or 1 / 0 / 1/step]
5-067-225	#Blade Cradle	*CTL	[0 or 1 / 0 / 1/step]
5-067-226	#Switchback Torque Limiter	*CTL	[0 or 1 / 0 / 1/step]
5-067-227	#Deodorant Filter(Upper&Lower)	*CTL	[0 or 1 / 0 / 1/step]
5-067-228	#Cover Feed Switchback Roller	*CTL	[0 or 1 / 0 / 1/step]
5-067-229	#Jogger Motor	*CTL	[0 or 1 / 0 / 1/step]
5-067-230	#Main Grip Motor	*CTL	[0 or 1 / 0 / 1/step]
5-067-231	#Signature Thickness Sensor	*CTL	[0 or 1 / 0 / 1/step]
5-067-232	#Signature Rotate Torque Diode	*CTL	[0 or 1 / 0 / 1/step]
5-067-233	#Trimnings Buffer Motor	*CTL	[0 or 1 / 0 / 1/step]
5-067-234	#Signature Press Trq Lmt Clutch	*CTL	[0 or 1 / 0 / 1/step]
5-067-236	#Ball Screw Unit	*CTL	[0 or 1 / 0 / 1/step]

5-067-237	#Sign/Stacking Discharger	*CTL	[0 or 1 / 0 / 1/step]
5-067-238	#Horizontal/Reg Discharger	*CTL	[0 or 1 / 0 / 1/step]
5-067-239	#Booklet Stack Drawer Connector	*CTL	[0 or 1 / 0 / 1/step]
5-067-240	#Edge Press Plate Sproket Ass'y	*CTL	[0 or 1 / 0 / 1/step]

5073	[Supply Part Replacement Operation Type]		
	Selects either User or Service manages supply parts.		
5-073-001	Waste Toner Bottle	*CTL	[0 or 1 / 0 / 1/step] 0: Service 1: User

5074	[Home Key Customization]		
	Sets applications that appear on the operation panel when "home key" is pressed.		
5-074-002	Login Setting	*CTL	[0 to 0xFF / 00000000 / 1/step] Bit0: Sets login operation mode for panel display. 0: Displayed 1: Not display Bit1 to bit7: Not used
5-074-050	Show Home Edit Menu	CTL	[0 to 2 / 0 / 1/step] 0: Auto 1: Displayed 2: Not displayed
5-074-091	Function Setting	*CTL	[0 to 2 / 0 / 1/step] 0: Function disable 1: SDK application 2: Browser application

5-074-092	Product ID	*CTL	[0 to 0xFFFF FFFF / 0 / 1/step] Sets the application product ID.
5-074-093	Application Screen ID	*CTL	[0 to 255 / 0 / 1/step] Sets the display category of the extended application.

5081	[ServiceSP Entry Code Setting]		
	DFU		
5-081-001	ServiceSP Entry Code Setting	-	-

5083	[LED Light Switch Setting]		
	Turns LED lighting ON and OFF at Toner Near End.		
5-083-001	Toner Near End	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
5-083-002	Waste Toner Near End	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5104	[Counter Size Setting]		
5-104-001	A3/DLT Double Count	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-104-002	Bypass Paper Size Undetection	*CTL	[0 or 1 / 0 / 1/step] 0: A4 (LT) 1: A3 (DLT) When paper size is not detected in the bypass manual feed, this setting determines the size.

5112	[Non-Std. Paper Sel.]		
	Sets permission to use the non-standard paper.		
5-112-001	(0:OFF 1:ON)	*CTL	[0 or 1 / 0 / 1/step] 0: Not permitted 1: Permitted

5113	[Optional Counter Type]		
	Sets extended device hit number for connecting to extend external device.		
5-113-001	Default Optional Counter Type	*CTL	[0 to 12 / 0 / 1/step] 0: None, 1: Key Card(RK3,4) 2: Key Card(down), 3: Prepaid Card 4: Coin Rack 5: MF Key Card 11: Exp.KeyCard(Add) 12: Exp.KeyCard(Deduct) This program specifies the counter type.
5-113-002	External Optional Counter Type	*CTL	[0 to 3 / 0 / 1/step] 0: None 1: Expansion Device 1 2: Expansion Device 2 3: Expansion Device 3 This program specifies the external counter type.

5114	[Optional Counter I/F]		
	Sets this SP for connecting to extended device that use MF key card/F.		
5-114-001	MF Key Card Extension	*CTL	[0 or 1 / 0 / 1/step] 0: Not installed 1: Installed (scanning accounting)

5120	[Mode Clear Opt. Counter Removal]		
	This program updates the information on the optional counter. When you install or remove an optional counter, check the settings.		
5-120-001	-	*CTL	[0 to 2 / 0 / 1/step] 0: Yes (removed) 1: Standby (installed but not used) 2: No (not removed)
5121	[Counter Up Timing]		
	This program specifies when the counter goes up. The settings refer to "paper feed" and "paper exit" respectively.		
5-121-001	0:Feed 1:Exit	*CTL	[0 or 1 / 0 / 1/step] 0: Feed 1: Exit
5128	[Code Mode With Key/Card Option]		
5-128-001		*CTL	[0 or 1 / 0 / 1/step] 0: not used in combination 1: used in combination
5131	[Paper Size Type Selection]		
	<p>Selects the paper size type (for originals and copy paper). (Only needs to be adjusted if the optional printer controller is installed)</p> <p>After changing the value, turn the main power switch off and on.</p> <p>0: DOM (Japan) 1: NA (North America) 2: EU (Europe)</p>		
5-131-001	0:DOM 1:NA 2:EU	ENG*	[0 to 2 / 0 / 1/step]
5150	[Bypass Length Setting]		
	-		

5-150-001	Bypass(0:OFF 1:Long)	CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
<p>Normally the paper length for sub scanning paper from the by-pass tray is limited to 600 mm, but this can be extended with this SP to 1260 mm.</p> <p>Image quality is not assured for the length over 600mm.</p> <p>When printing/feeding over 600mm length paper, customization request is required for a customized printer driver.</p>			
5-150-002	LCT(0:OFF 1:ON)	CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5162	[App. Switch Method]		
	Determines whether the application screen is switched with a hardware switch or software switch.		
5-162-001	-	*CTL	[0 or 1 / 0 / 1/step] 0: Soft Key Set 1: Hard Key Set

5169	[CE Login]		
	Continues login status by service after SP mode end.		
5-169001	CE Login	*CTL	[0 or 1 / 0 / 1/step] 0: Disabled 1: Enabled

5185	[TCRU: Set Machine]		
	<p>This SP code sets up the machine for the TCRU program. Default: OFF 0:OFF 1:ON</p> <p>Note: The machine must be cycled on after changing this SP setting</p>		
5-185-001	-	ENG*	[0 or 1 / 0 / 1/step]

5191	[Mode Set]		
	Shifts to the power save mode or not.		
5-191-001	Power Str Set	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON

5193	[External Controller Info. Settings]		
	External controller settings.		
5-193-001	-	CTL	[0 to 10 / 1 / 1/step] 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

5195	[Limitless SW]		
	<p>Selects the paper feed mode.</p> <p>Productivity priority: This changes the feeding tray as soon as the machine detects the priority tray even the paper still remains in the feeding tray.</p> <p>Tray priority: This changes the feeding tray after the paper in the tray where the machine has been feeding paper has been run out of.</p> <p>This SP is activated only when a customer selects the "Auto Paper Select".</p>		
5-195-001	-	*CTL	[0 or 1 / 0 / 1/step] 0: Productivity Precede 1: Use paper up

5199	[Paper Exit After Staple End]		
	<p>Enables or disables the paper feeding out from the finisher without stapling.</p> <ul style="list-style-type: none"> Follows the specifications of the connected finisher: SP5-199-001: 0, SP5-199-002: 0 Feeds papers without stapling: SP5-199-001: 1, SP5-199-002: 0 Feeds papers with stapling SP5-199-001: 0, SP5-199-002: 1 Do not set SP5-199-001 and SP5-199-002 to "1" at the same time. 		
5-199-001	1:Without Stapling 0:No Change	CTL	[0 or 1 / 0 / 1/step]
5-199-002	1:After Stapling 0:No Change	CTL	[0 or 1 / 0 / 1/step]

5302	[Set Time]		
	<p>Adjusts the RTC (real time clock) time setting for the local time zone. Examples: For Japan (+9 GMT), enter 540 (9 hours x 60 min.) DOM: +540 (Tokyo) NA: -300 (New York) EU: + 60 (Paris) CH: +480 (Beijing) TW: +480 (Taipei) AS: +480 (Hong Kong) KO: +540 (Korea)</p>		
5-302-002	Time Difference	* CTL	[-1440 to 1440 / - / 1min./step]

5305	[Auto Off Set]		
	Restricts the cancel of the auto power off function.		
5-305-101	Auto Off Limit Set	* CTL	[0 to 1 / 1 / 1/step] 0: Not restrict 1: Restrict

5307		[Daylight Saving Time]	
5-307-001	Setting	*CTL	<p>[0 to 1 / - / 1/step]</p> <p>0: Disabled</p> <p>1: Enabled</p> <p>(Default)</p> <p>1: NA and EUR</p> <p>0: ASIA and others</p> <p>Enables or disables the summer time mode.</p> <p>Note</p> <ul style="list-style-type: none"> Make sure that both SP5307-003 and -004 are correctly set. Otherwise, this SP is not activated even if this SP is set to "1".
	Rule Set (Start)	*CTL	<p>[0 to 0xFFFFFFFF / - / 1hex/step]</p> <p>(Default)</p> <p>NA: 0x111100200</p> <p>EUR: 0x10500100</p> <p>ASIA: 0x03100000</p> <p>Other: 0x00000000</p>
5-307-003	<p>Specifies the start setting for the summer time mode.</p> <p>There are 8 digits in this SP. For months 1 to 9, the "0" cannot be input in the first digit, so the eight-digit setting for -2 or -3 becomes a seven-digit setting.</p> <p>1st and 2nd digits: The month. [1 to 12]</p> <p>3rd digit: The week of the month. [1 to 5]</p> <p>4th digit: The day of the week. [0 to 6 = Sunday to Saturday]</p> <p>5th and 6th digits: The hour. [00 to 23]</p> <p>7th digit: The length of the advanced time. [0 to 9 / 1 hour /step]</p> <p>8th digit: The length of the advanced time. [0 to 5 / 10 minutes /step]</p> <ul style="list-style-type: none"> The digits are counted from the left. Make sure that SP5-307-1 is set to "1". 		

5-307-004	Rule Set (End)	*CTL	-
	<p>Specifies the end setting for the summer time mode.</p> <p>There are 8 digits in this SP.</p> <p>1st and 2nd digits: The month. [1 to 12]</p> <p>3rd digit: The week of the month. [0 to 5]</p> <p>4th digit: The day of the week. [0 to 7 = Sunday to Saturday]</p> <p>5th and 6th digits: The hour. [00 to 23]</p> <p>The 7th and 8 digits must be set to "00".</p> <ul style="list-style-type: none"> The digits are counted from the left. Make sure that SP5-307-1 is set to "1". 		

5401	[Access Control]		
5-401-104	Authentication Time	*CTL	[0 to 255 / 0 / 1sec/step] Specifies the timeout of the authentication.
5-401-162	Extend Certification Detail	*CTL	<p>[0 to 0xFF / 00000000 / 1/step]</p> <p>Selects the log out type for the extend authentication device.</p> <p>Bit 0: Log-out without an IC card 0: Not allowed (default) / 1: Allowed</p> <p>Bit 1: Log out with IC card 0: Not allowed (default) / 1: Allowed</p> <p>Bit 2: Return from energy save mode with IC card 0: Not allowed (default) / 1: Allowed</p> <p>Bit 3, Bit 4: Password manual entry 00: Mode 0 (default) / 01: Mode 1 / 10: Mode 2 / 11: Mode 3</p> <p>Bit 5: PIN entry with alphanumeric character 0: Not allowed (default) / 1: Allowed</p> <p>Bit 6: Restrict card scanning 0: Not allowed (default) / 1: Allowed</p> <p>Bit 7: Panel lock when log out failed 0: Not allowed (default) / 1: Allowed</p>

5-401-200	SDK1 UniqueID	*CTL	[0 to 0xFFFFFFFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-201	SDK1 Certification Method	*CTL	[0 to 0xFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-210	SDK2 UniqueID	*CTL	[0 to 0xFFFFFFFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-211	SDK2 Certification Method	*CTL	[0 to 0xFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-220	SDK3 UniqueID	*CTL	[0 to 0xFFFFFFFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-221	SDK3 Certification Method	*CTL	[0 to 0xFF / 0 / 1/step] "SDK" is the "Software Development Kit". This data can be converted from SAS (VAS) when installed or uninstalled.
5-401-230	SDK Certification Device	*CTL	[- / 00000000 / 1 /-] Bit0: SDK authentication 0: Disable, 1: Enable Bit1: SKB Display 0: Disable, 1: Enable Bit2: Administrator login 0: Disable, 1: Enable Bit3 to Bit7: Reserved (set "0" only)

5-401-240	Detail Option	*CTL	<p>[0 to 0xFF / 00000000 / 1/step]</p> <p>Bit0: Logout confirm option 0: OFF, 1: ON</p> <p>Bit1, Bit2: Auto-logout timer (retry timer) 00: 60sec, 01: 10sec, 10: 20sec, 11: 30sec,</p> <p>Bit3: Personal authority / Group authority and operation 0: OFF, 1: ON</p> <p>Bit4: Skip password entry 0: OFF, 1: ON</p> <p>Bit5: Set the display of the remaining Frequency 0: OFF, 1: ON,</p> <p>Bit6, Bit7: Set the display time 00: 3sec, 01: 6sec, 10: 9sec, 11: 12sec</p>
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5402	[Access Control] -
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<p>5-402-101 to 5-402-130</p>	<p>SDKJ1 Limit Setting - SDKJ30 Limit Setting</p>	<p>*CTL</p>	<p>[0 to 0xFF / 00000000 / 1/step] Bit0: SDKJ Authentication 0: Panel Type 1: Remote Type Bit1: Using user code setup 0: OFF, 1: ON Bit2: Using key-counter setup 0: OFF, 1: ON Bit3: Using external billing device setup 0: OFF, 1: ON Bit4: Using extended external billing device setup 0: OFF, 1: ON Bit5, Bit6: Not used Bit7: Using extended function J limit users 0: OFF, 1: ON</p>
<p>5-402-141 to 5-402-170</p>	<p>SDKJ1 ProductID - SDKJ30 ProductID</p>	<p>*CTL</p>	<p>[0 to 0xFFFFFFFF / 0 / 1/step]</p>

<p>5404</p>	<p>[User Code Count Clear] Clears all counters for users.</p>		
<p>5-404-001</p>	<p>-</p>	<p>*CTL</p>	<p>[- / - / -] [Execute]</p>

<p>5411</p>	<p>[LDAP Certification] Sets description of LDAP certification.</p>		
<p>5-411-004</p>	<p>Simplified Authentication</p>	<p>*CTL</p>	<p>[0 or 1 / 1 / 1/step] 0: OFF 1: ON</p>

5-411-005	Password Null Not Permit	*CTL	[0 or 1 / 0 / 1/step] 0: Password NULL not permitted. 1: Password NULL permitted. This SP is referenced only when SP5411-4 is set to "1" (On).
5-411-006	Detail Option	*CTL	[0 or 1 / 0 / 1/step] 0: Anonymous authentication OFF 1: Anonymous authentication ON

5412	[Krb-Certification]		
	-		
5-412-100	Encrypt Mode	*CTL	[- / 11111111 / 1/step] 0x01:AES256-CTS-HMAC-SHA1-96 0x02:AES128-CTS-HMAC-SHA1-96 0x04:DES3-CBC-SHA1 0x08:RC4-HMAC 0x10:DES-CBC-MD5 0xFF(0x1F):ALL Executes kerberos certification according to certified encryption strength.

5413	[Lockout Setting]		
	Switches on/off the lock on the local address book account.		
5-413-001	Lockout On/Off	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
5-413-002	Lockout Threshold	*CTL	[1 to 10 / 5 / 1time/step]
5-413-003	Cancellation On/Off	*CTL	[0 or 1 / 0 / 1/step] 0:OFF, 1:ON
5-413-004	Cancellation Time	*CTL	[1 to 9999 / 60 / 1minute/step] Sets release time of lockout release function.

5414	[Access Mitigation]		
	-		
5-414-001	Mitigation On/Off	*CTL	[0 or 1 / 0 / 1/step] 0: OFF, 1: ON Switches on/off masking of continuously used IDs and passwords that are identical.
5-414-002	Mitigation Time	*CTL	[0 to 60 / 15 / 1minute/step] Sets the length of time for excluding continuous access for identical user IDs and passwords.

5415	[Password Attack]		
	-		
5-415-001	Permissible Number	*CTL	[0 to 100 / 30 / 1time/step] Sets the number of attempts to attack the system with random passwords to gain illegal access to the system.
5-415-002	Detect Time	*CTL	[0 to 10 / 5 / 1second/step] Sets the time limit to stop a password attack once such an attack has been detected.

5416	[Access Information]		
	-		
5-416-001	Access User Max Num	*CTL	[50 to 200 / 200 / 1/step] Limits the number of users used by the access exclusion and password attack detection functions.
5-416-002	Access Password Max Num	*CTL	[50 to 200 / 200 / 1/step] Limits the number of passwords used by the access exclusion and password attack detection functions.

5-416-003	Monitor Interval	*CTL	[1 to 10 / 3 / 1second/step] Sets the processing time interval for referencing user ID and password information.
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5417	[Access Attack]		
	-		
5-417-001	Access Permissible Number	*CTL	[0 to 500 / 100 / 1time/step] Sets a limit on access attempts when an excessive number of attempts are detected for MFP features.
5-417-002	Attack Detect Time	*CTL	[10 to 30 / 10 / 1second/step] Sets the length of time for monitoring the frequency of access to MFP features.
5-417-003	Productivity Fall Waite	*CTL	[0 to 9 / 3 / 1second/step] Sets the wait time to slow down the speed of certification when an excessive number of access attempts have been detected.
5-417-004	Attack Max Num	*CTL	[50 to 200 / 200 / 1/step] Sets a limit on the number of requests received for certification in order to slow down the certification speed when an excessive number of access attempts have been detected.

5420	[User Authentication]		
	These functions are enabled only after the user access feature has been enabled.		
5-420-041	Printer	*CTL	[0 or 1 / 0 / 1/step] 0: Authentication ON 1: Authentication OFF
5-420-051	SDK1	*CTL	[0 or 1 / 0 / 1/step] 0: Authentication ON 1: Authentication OFF
5-420-061	SDK2	*CTL	
5-420-071	SDK3	*CTL	

5-420-081	Browser	*CTL	[0 or 1 / 0 / 1/step] 0: Authentication ON 1: Authentication OFF
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5430	[Auth Dialog Message Change]		
	-		
5-430-001	Message Change On/Off	*CTL	[0 or 1 / 0 / 1/step] 0: Function OFF 1: Function ON Turns on or off the displayed message change for the authentication.
5-430-002	Message Text Download	CTL	[- / - / -] [Execute] Executes the message download for the authentication.
5-430-003	Message Text ID	CTL	[Char:Up to 16 bytes / - / -] Inputs message text for the authentication.

5481	[Authentication Error Code]		
	These SP codes determine how the authentication failures are displayed.		
5-481-001	System Log Disp	*CTL	[0 or 1 / 0 / 1/step] 0: Display OFF 1: Display ON
5-481-002	Panel Disp	*CTL	[0 or 1 / 1 / 1/step] 0: Display OFF 1: Display ON

5490	[MF KeyCard]		
	Sets up operation of the machine with a keycard (Japan only).		

5-490-001	Job Permit Setting	*CTL	[0 or 1 / 0 / 1/step] 0: Disabled. Cancels operation without a user code. 1: Enabled. Allows operation without a user code.
5-490-002	Count Mode Setting	*CTL	[0 or 1 / 0 / 1/step]

5491	[Optional Counter]		
	-		
5-491-001	Detail Option	*CTL	[0 or 1 / 00000000 / 1/step] Bit0: 0: Forced Job Canceling ON 1: Forced Job Canceling OFF Bit1 to Bit7: Not used

5501	[PM Alarm]		
	Sets PM count level that emits PM alarm call.		
5-501-001	PM Alarm Level	*CTL	[0 to 9999 / 0 / 1/step] 0: Alarm off 1 to 9999: Alarm goes off when Value (1 to 9999) x 1000 > PM counter

5504	[Jam Alarm]		
	Sets the alarm to sound for the specified jam level (document miss feeds are not included).		
5-504-001	-	*CTL	[0 to 3 / 3 / 1/step] 0(Z): Jam alarm prohibited 1(L): level H 1/4 2(M): level H 1/2 3(H): Jam occurrence interval sheets of indicated paper that indicated product proposal.
5-504-002	Threshold	*CTL	[1 to 99 / 10 / 1 / -]

5505	[Error Alarm]		
	<p>Sets the error alarm level.</p> <p>The error alarm counter counts "1" when any SC is detected. However, the error alarm counter decreases by "1" when an SC is not detected during a set number of copied sheets.</p>		
5-505-001	-	*CTL	[0 to 255 / 110 / hundred/step] 0: Alarm Off
5-505-002	Threshold	*CTL	[1 to 99 / 10 / 1 / -]

5507	[Supply/CC Alarm]		
Enables or disables the notifying a supply call via the @Remote.			
5-507-001	Paper Supply Alarm	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
5-507-002	Staple Supply Alarm	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-507-003	Toner Supply Alarm	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-507-006	WasteTonerBottle Supply Alarm	*CTL	[0 or 1 / 1 / 1/step] 0:OFF 1: ON
5-507-080	Toner Call Timing	*CTL	[0 or 1 / 0 / 1/step] 0: At replacement 1: AtLessThanThresh
5-507-081	Toner Call Threshold	*CTL	[10 to 90 / 10 / 10%/step] This program enables only if SP5-507-080 is "1"

5-507-128	Interval :Others	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-132	Interval :A3	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-133	Interval :A4	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-134	Interval :A5	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-141	Interval :B4	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-142	Interval :B5	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-160	Interval :DLT	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-164	Interval :LG	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-166	Interval :LT	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.
5-507-172	Interval :HLT	* CTL	[250 to 10000 / 1000 / 1/step] Sets report level of paper supply administration call.

5508	[CC Call] Sets PM count level that emits PM alarm call.		
5-508-001	Jam Remains	*CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable
5-508-002	Continuous Jams	*CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable
5-508-003	Continuous Door Open	*CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable
5-508-011	Jam Detection: Time Length	*CTL	[3 to 30 / 10 / 1min/step]
5-508-012	Jam Detection: Continuous Count	*CTL	[2 to 10 / 5 / 1time/step]
5-508-013	Door Open: Time Length	*CTL	[3 to 30 / 10 / 1min/step]

5513	[PartsAlarmlevelCount] Call in at the point that the counter of "PM Parts Counter Display (SP7-617-001, 002)" reaches this level (K).		
5-513-001	Normal	*CTL	[1 to 9999 / 300 / 1K/step]
5-513-002	Df	*CTL	[1 to 9999 / 300 / 1K/step]

5514	[PartsAlarmlev] PM report alarm for each CSS parts: Sets DF paper feed criteria On/Off (report or not).		
5-514-001	Normal	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-514-002	Df	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5515	[SC/Alarm Setting]		
	With @Remote in use, these SP codes can be set to issue an SC call when an SC error occurs. If this SP is switched off, the SC call is not issued when an SC error occurs.		
5-515-001	SC Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-002	Service Parts Near End Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-003	Service Parts End Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-004	User Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-006	Communication Test Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-007	Machine Information Notice	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-008	Alarm Notice	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-010	Supply Automatic Ordering Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-515-011	Supply Management Report Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON

5-515-012	Jam/Door Open Call	*CTL	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
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5517	[Get Machine Information]		
5-517-001	Alarm On/Off Setting	*CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable It depends on how many
5-517-002	Alarm Interval	*CTL	[10 to 255 / 10 / 1/step] Sets the interval of failure expected alarm notification number. The SP value "1" is 100 sheets.
5-517-021	GetCustomPprInfo:RetryInterval	*CTL	[0 to 255 / 10 / 1min/step] Sets by @Remote operation.
5-517-031	Get SMC Info: Retry Interval	*CTL	[10 to 255 / 10 / 1min/step] Sets by @Remote operation.

5711	[Custom Setting Paper: Data Setting]		
5-711-001	Standard Paper Data Upload	*CTL	[- / - / -] [Execute]
5-711-002	Custom Paper Data Upload	*CTL	[- / - / -] [Execute]
5-711-102	Custom Paper Data Download	*CTL	[- / - / -] [Execute]
5-711-201	Standard Paper Data Ver.(Flash)	*CTL	[- / - / -] [Execute]
5-711-202	Standard Paper Data Ver.(SD Card)	*CTL	[- / - / -] [Execute]

5715	[Custom Paper: Thick]		
	-		
5-715-001 to 100	ID1 to ID100	CTL	[0 to 7 / 1 / 1 /step]

5716	[Custom Paper: Thin]		
	-		
5-716-001 to 100	ID1 to ID100	CTL	[0 to 2 / 1 / 1 /step]

5717	[Custom Paper: UP/Web Info. 1: P-Type]		
	-		
5-717-001 to 100	ID1 to ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1 /step]

5718	[Custom Paper: UP/Web Info. 2: Coated]		
	-		
5-718-001 to 100	ID1 to ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1 /step]

5719	[Custom Paper: UP/Web Info. 3: Punch]		
	-		
5-719-001 to 100	ID1 to ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1 /step]

5720	[Custom Paper: UP/Web Info. 4: Color]		
	-		
5-720-001 to 100	ID1 to ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1 /step]

5721	[Custom Paper: Size Code]		
	-		
5-721-001 to 100	ID1 to ID100	CTL	[0 to 0xFF / 1 / 1/step]

5722	[Custom Paper: Width (M-scan 0.1 mm)]		
	-		
5-722-001 to 100	ID1 to ID100	CTL	[0 to 6553.5 / 1 / 0.1/step]

5723	[Custom Paper: Length (S-scan 0.1 mm)]		
	-		
5-723-001 to 100	ID1 to ID100	CTL	[0 to 6553.5 / 1 / 0.1/step]

5724	[Custom Paper: MQP Version]		
	-		
5-724-001 to 100	ID1 to ID100	CTL	[0 to 99 / 1 / 1/step]

5725	[Custom Paper: Data Type]		
	-		
5-725-001 to 100	ID1 to ID100	CTL	[0 to 99 / 1 / 1/step]

Group 5000 (2/2)

SP5-728 to -998 (Mode)

5728	[Network Setting]		
	Sets port numbers for transferring to the Android operation panel		
5-728-001	NAT Machine Port1	*CTL	[1 to 65535 / 49101 / 1/step]
5-728-002	NAT UI Port1	*CTL	[1 to 65535 / 55101 / 1/step]
5-728-003	NAT Machine Port2	*CTL	[1 to 65535 / 49102 / 1/step]
5-728-004	NAT UI Port2	*CTL	[1 to 65535 / 55102 / 1/step]
5-728-005	NAT Machine Port3	*CTL	[1 to 65535 / 49103 / 1/step]
5-728-006	NAT UI Port3	*CTL	[1 to 65535 / 55103 / 1/step]
5-728-007	NAT Machine Port4	*CTL	[1 to 65535 / 49104 / 1/step]
5-728-008	NAT UI Port4	*CTL	[1 to 65535 / 55104 / 1/step]
5-728-009	NAT Machine Port5	*CTL	[1 to 65535 / 49105 / 1/step]
5-728-010	NAT UI Port5	*CTL	[1 to 65535 / 55105 / 1/step]
5-728-011	NAT Machine Port6	*CTL	[1 to 65535 / 49106 / 1/step]
5-728-012	NAT UI Port6	*CTL	[1 to 65535 / 55106 / 1/step]
5-728-013	NAT Machine Port7	*CTL	[1 to 65535 / 49107 / 1/step]
5-728-014	NAT UI Port7	*CTL	[1 to 65535 / 55107 / 1/step]
5-728-015	NAT Machine Port8	*CTL	[1 to 65535 / 49108 / 1/step]
5-728-016	NAT UI Port8	*CTL	[1 to 65535 / 55108 / 1/step]
5-728-017	NAT Machine Port9	*CTL	[1 to 65535 / 49109 / 1/step]
5-728-018	NAT UI Port9	*CTL	[1 to 65535 / 55109 / 1/step]
5-728-019	NAT Machine Port10	*CTL	[1 to 65535 / 49110 / 1/step]
5-728-020	NAT UI Port10	*CTL	[1 to 65535 / 55110 / 1/step]

5730	[Extended Function Setting]		
	-		
5-730-001	Java™ Platform setting	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON
5-730-010	Expiration Prior Alarm Set	*CTL	[0 to 999 / 20 / 1day/step]

5731	[Counter Effect]		
	This SP is used only for Japan machines.		
5-731-001	Change MK1 Cnt (Paper - > Combine)	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON

5745	[DeemedPowerConsumption]		
5-745-211	Controller Standby	*CTL	[0 to 9999 / 0 / 1/step]
5-745-212	STR	*CTL	[0 to 9999 / 0 / 1/step]
5-745-213	Main Power Off	*CTL	[0 to 9999 / 0 / 1/step]
5-745-214	Scanning and Printing	*CTL	[0 to 9999 / 0 / 1/step]
5-745-215	Printing	*CTL	[0 to 9999 / 0 / 1/step]
5-745-216	Scanning	*CTL	[0 to 9999 / 0 / 1/step]
5-745-217	Engine Standby	*CTL	[0 to 9999 / 0 / 1/step]
5-745-218	Low Power Consumption	*CTL	[0 to 9999 / 0 / 1/step]
5-745-219	Silent Condition	*CTL	[0 to 9999 / 0 / 1/step]
5-745-220	Heater Off	*CTL	[0 to 9999 / 0 / 1/step]

5747	[Browser Setting]		
	-		
5-747-201	JPEG Quality	*CTL	[0 to 100 / 100 / 1%/step]

5-747-202	Number of Common Bookmark	*CTL	[0 to 100 / 0 / 1/step]
5-747-203	Extended Memory Limit	*CTL	[0 or 1 / 0 / 1/step] 0: Use extended memory 1: Not use extended memory
5-747-204	Vertical Scroll Display Setting	*CTL	[0 or 1 / 0 / 1/step] 0: Fixed 1: Not fixed
5-747-205	Warning Confirmation Setting	*CTL	[0 to 3 / 0 / 1/step] 0: Confirmation dialog for page moving: displayed, for security warning: displayed 1: Confirmation dialog for page moving: not displayed, for security warning: displayed 2: Confirmation dialog for page moving: not displayed, for security warning: not displayed 3: Confirmation dialog for page moving: displayed, for security warning: not displayed
5-747-206	Browser3	CTL	[0 to 255 / 0 / 1/step]
5-747-207	Browser4	CTL	[0 to 255 / 0 / 1/step]
5-747-208	Browser5	CTL	[0 to 255 / 0 / 1/step]
5-747-209	Browser6	CTL	[0 to 255 / 0 / 1/step]
5-747-210	Browser7	CTL	[0 to 255 / 0 / 1/step]
5-747-211	Browser8	CTL	[0 to 255 / 0 / 1/step]
5-747-212	Browser9	CTL	[0 to 255 / 0 / 1/step]
5-747-213	Browser10	CTL	[0 to 255 / 0 / 1/step]

5749	[Import/Export]
	Imports and exports preference information.

5-749-001	Export	CTL	[- / - / -] Target: System, Printer, Fax, Scanner Option: Unique, Secret Copy config: Encryption, Encryption key(if selected) [Execute]
5-749-101	Import	CTL	[- / - / -] Option: Unique Copy config: Encryption, Encryption key(if selected) [Execute]

5751	[Key Event Encryption Setting] Sets encryption key to encrypt key information.		
5-751-001	Password	*CTL	[32 characters / - / -]

5801	[Memory Clear] Resets NVRAM data to the default settings. Before executing any of these SP codes, print an SMC Report.		
5-801-001	All Clear	CTL	[- / - / -] [Execute]
5-801-002	Engine	ENG	[0 or 1 / 0 / 1] 1: Execute Initializes all registration settings for the engine and copy process settings.
5-801-003	SCS	CTL	[- / - / -] [Execute] Initializes default system settings, SCS (System Control Service) settings, operation display coordinates, and ROM update information.

5-801-004	IMH	CTL	[- / - / -] [Execute] Clears Image Memory Handler which manages memory and HDD access.
5-801-005	MCS	CTL	[- / - / -] [Execute] Initializes the automatic delete time setting for stored documents. (MCS: Memory Control Service)
5-801-008	Printer Application	CTL	[- / - / -] [Execute] Initializes the printer defaults, programs registered, the printer SP bit switches, and the printer CSS counter. The following service setting: <ul style="list-style-type: none"> • Bit switches • Gamma setting (User & Service) • Toner Limit The following user setting: <ul style="list-style-type: none"> • Tray Priority • Menu protect • System Setting except for setting of Energy Saver • I/F Setup (I/O Buffer and I/O Timeout) • PCL Menu
5-801-010	Web Service	CTL	[- / - / -] [Execute] Deletes the Netfile (NFA) management files and thumbnails, and initializes the Job login ID. Netfiles are jobs to be printed from the document server using a PC and the DeskTopBinder software.
5-801-011	NCS	CTL	[- / - / -] DFU

5-801-014	Clear DCS Setting	CTL	[- / - / -] [Execute] Initializes the DCS (Delivery Control Service) settings.
5-801-015	Clear UCS Setting	CTL	[- / - / -] [Execute] Initializes the UCS (User Information Control Service) settings.
5-801-016	MIRS Setting	CTL	[- / - / -] [Execute] Initializes the MIRS (Machine Information Report Service) settings.
5-801-017	CCS	CTL	[- / - / -] [Execute] Initializes the CCS (Certification and Charge-control Service) settings.
5-801-018	SRM Memory Clr	CTL	[- / - / -] [Execute] Initializes the SRM (System Resource Manager) settings.
5-801-019	LCS	CTL	[- / - / -] [Execute] Initializes the LCS settings.
5-801-020	Web Uapli	CTL	[- / - / -] [Execute] Initializes the web user application settings.
5-801-021	ECS	CTL	[- / - / -] [Execute] Initializes the ECS settings.
5-801-024	BROWSER	CTL	[- / - / -] [Execute]

5-801-025	Websys	CTL	[- / - / -] [Execute]
5-801-026	PLN	CTL	[- / - / -] [Execute]
5-801-027	SAS	CTL	[- / - / -] [Execute]

5802	[Free Run]		
	0: OFF, 1: ON		
5-802-004	OFF/ON	ENG	[0 or 1 / 0 / 1/step]

5803	[INPUT Check]		
	page 849 "Input Check: Main Machine"		

5804 5805	[OUTPUT Check]		
	page 912 "Output Check: Main Machine"		

5806	[INPUT Check]		
	page 864 "Input Check: Vacuum Feed LCIT RT5100 (D777)"		

5810	[SC Reset]		
	<p>When the machine issues a "Level A" SC code, this indicates a serious problem in the fusing unit (SC542 to SC546, for example).</p> <ul style="list-style-type: none"> • As soon as the Level A SC code is issued, the machine is disabled immediately. • The operator cannot reset the SC because the machine requires servicing immediately. • The machine cannot be used until the machine has been service. <p>Touch [EXECUTE] to release the machine for servicing.</p>		
5-810-001	Fusing SC Reset	ENG	[0 or 1 / 0 / 1/step]

5811	[MachineSerial]		
	This SP presents the screen used to enter the 11-digit number of the machine. The allowed entries are "A" to "Z" and "0" to "9".		
5-811-002	Display	ENG	[- / - / -]
5-811-004	Set:BCU	ENG	[- / - / -]
5-811-006	LEFT	ENG	[- / - / -]

5812	[Service Tel. No. Setting]		
	5-812-001	Service	*CTL [up to 20 / - / 1/step] Sets the telephone number for a service representative. This number is printed on the Counter List, which can be printed with the user's "Counter" menu. This can be up to 20 characters (both numbers and alphabetic characters can be input).
	5-812-002	Facsimile	*CTL [up to 20 / - / 1/step] Sets the fax or telephone number for a service representative. This number is printed on the Counter List. This can be up to 20 characters (both numbers and alphabetic characters can be input).
	5-812-003	Supply	*CTL [up to 20 / - / 1/step] Use this to input the telephone number of your supplier for consumables. Enter the number and press #.
	5-812-004	Operation	*CTL [up to 20 / - / 1/step] Use this to input the telephone number of your sales agency. Enter the number and press #.

5816	[Remote Service]		
	Use it for Network remote diagnosis.		

5-816-001	I/F Setting	*CTL	<p>[0 to 2 / 2 / 2/step]</p> <p>0: Remote service off</p> <p>1: CSS remote service on</p> <p>2: NRS remote service on</p> <p>Selects the remote service setting.</p>
5-816-002	CE Call	*CTL	<p>[0 or 1 / 1 / 1/step]</p> <p>0: Start of the service</p> <p>1: End of the service</p> <p>Performs the CE Call at the start or end of the service.</p> <p>Note</p> <ul style="list-style-type: none"> This SP is activated only when SP 5816-001 is set to "2".
5-816-003	Function Flag	*CTL	<p>[0 or 1 / 0 / 1/step]</p> <p>0: Disabled, 1: Enabled</p> <p>Enables or disables the remote service function.</p> <p>Note</p> <ul style="list-style-type: none"> This SP setting is changed to "1" after @Remote register has been completed.
5-816-007	SSL Disable	*CTL	<p>[0 or 1 / 0 / 1/step]</p> <p>0: Uses the RCG certification</p> <p>1: Does no use the RCG certification</p> <p>Uses or does not use the RCG certification by SSL when calling the RCG.</p>
5-816-008	RCG Connect Timeout	*CTL	<p>[1 to 90 / 30 / 1second/step]</p> <p>Specifies the connect timeout interval when calling the RCG.</p>
5-816-009	RCG Write Timeout	*CTL	<p>[0 to 100 / 60 / 1second/step]</p> <p>Specifies the write timeout interval when calling the RCG.</p>

5-816-010	RCG Read Timeout	*CTL	[0 to 100 / 60 / 1second/step] Specifies the read timeout interval when calling the RCG.
5-816-011	Port 80 Enable	*CTL	[0 or 1 / 0 / 1/step] 0: No. Access denied 1: Yes. Access granted. Enables/disables access via port 80 to the SOAP method.
5-816-013	RFU Timing	*CTL	[0 or 1 / 1 / 1/step] 0: RFU is executed whenever update request is received. 1: RFU is executed only when the machine is in the sleep mode. Selects the RFU timing.
5-816-014	RCG Error Timing	CTL	[0 or 1 / 0 / 1/step] 0:Normal condition 1:Error Displays the cause of an RCG error. When @Remote is used, normally displays "0". If "1" is displayed, this means that the authentication from client to server failed when the network re-booted. To restore normal operation, cycle the machine off/on to return a "0" (normal condition).
5-816-021	RCG-C Registered	*CTL	[0 or 1 / 0 / 1/step] 0: Installation not completed 1: Installation completed This SP displays the Embedded RC Gate installation end flag.
5-816-023	Connect Type (N/M)	*CTL	[0 or 1 / 0 / 1/step] 0: Internet connection 1: Dial-up connection This SP displays and selects the Embedded RC Gate connection method.

5-816-061	Cert Expire Timing DFU	*CTL	[0 to 0xFFFFFFFF / 0 / 1second/step] Proximity of the expiration of the certification.
5-816-062	Use Proxy	*CTL	[0 or 1 / 0 / 1/step] 0: Not use 1: Use This SP setting determines if the proxy server is used when the machine communicates with the service center.
5-816-063	Proxy Host	*CTL	[- / - / -] This SP sets the address of the proxy server used for communication between the RCG Device and the gateway. Use this SP to set up or display the customer proxy server address The address is necessary to set up the embedded RCG-N. Note <ul style="list-style-type: none"> The address display is limited to 128 characters. Characters beyond the 128 characters are ignored. This address is customer information and is not printed in the SMC report.
5-816-064	Proxy PortNumber	*CTL	[0 to 0xFFFF / 0 / 1/step] This SP sets the port number of the proxy server used for communication between the Embedded RCG-N and the gateway. This setting is necessary to set up the embedded RC Gate-N. Note <ul style="list-style-type: none"> This port number is customer information and is not printed in the SMC report.

5-816-065	Proxy User Name	*CTL	<p>[- / - / -]</p> <p>This SP sets the HTTP proxy certification user name.</p> <p>Note</p> <ul style="list-style-type: none"> The length of the name is limited to 31 characters. Any character beyond the 31st character is ignored. This name is customer information and is not printed in the SMC report.
5-816-066	Proxy Password	*CTL	<p>[- / - / -]</p> <p>This SP sets the HTTP proxy certification password.</p> <p>Note</p> <ul style="list-style-type: none"> The length of the password is limited to 31 characters. Any character beyond the 31st character is ignored. This name is customer information and is not printed in the SMC report.
5-816-067	CERT:Up State	*CTL	<p>[0 to 255 / 0 / 1/step]</p> <p>Displays the status of the certification update.</p>
Details			
0	The certification used by RCG-N is set correctly.		
1	The certification request (setAuthKey) for update has been received from the GW URL and certification is presently being updated.		
2	The certification update is completed and the GW URL is being notified of the successful update.		
3	The certification update failed, and the GW URL is being notified of the failed update.		
4	The period of the certification has expired and new request for an update is being sent to the GW URL.		
11	A rescue update for certification has been issued and a rescue certification setting is in progress for the rescue GW connection.		
12	The rescue certification setting is completed and the GW URL is being notified of the certification update request.		

13	The notification of the request for certification update has completed successfully, and the system is waiting for the certification update request from the rescue GW URL.		
14	The notification of the certification request has been received from the rescue GW controller, and the certification is being stored.		
15	The certification has been stored, and the GW URL is being notified of the successful completion of this event.		
16	The storing of the certification has failed, and the GW URL is being notified of the failure of this event.		
17	The certification update request has been received from the GW URL, the GW URL was notified of the results of the update after it was completed, but a certification error has been received, and the rescue certification is being recorded.		
18	The rescue certification of No. 17 has been recorded, and the GW URL is being notified of the failure of the certification update.		
5-816-068	CERT:Error	*CTL	[0 to 255 / 0 / 1/step] Displays a number code that describes the reason for the request for update of the certification.
	0	Normal. There is no request for certification update in progress.	
	1	Request for certification update in progress. The current certification has expired.	
	2	An SSL error notification has been issued. Issued after the certification has expired.	
	3	Notification of shift from a common authentication to an individual certification.	
	4	Notification of a common certification without ID2.	
	5	Notification that no certification was issued.	
	6	Notification that GW URL does not exist.	
5-816-069	CERT:Up ID	*CTL	[- / - / -] The ID of the request for certification.

5-816-083	Firm Up Status	*CTL	<p>[0 to 5 / 0 / 1/step]</p> <p>Displays the status of the firmware update.</p> <p>0: Firm update reception standby</p> <p>1: Firm update start schedule standby.</p> <p>2: User confirmation standby.</p> <p>3: Device firm update preparation is executing.</p> <p>4: Device firm update process is executing.</p> <p>5: Device firm update end process is executing.</p>
5-816-085	Firm Up User Check	*CTL	<p>This SP setting determines if the operator can confirm the previous version of the firmware before the firmware update execution. If the option to confirm the previous version is selected, a notification is sent to the system manager and the firmware update is done with the firmware files from the URL.</p>
5-816-086	Firmware Size	*CTL	<p>Allows the service technician to confirm the size of the firmware data files during the firmware update execution.</p>
5-816-087	CERT: Macro Ver.	CTL	<p>[- / - / -]</p> <p>Displays the macro version of the @Remote certification. Max. 8digits.</p>
5-816-088	CERT: PAC Ver.	CTL	<p>[- / - / -]</p> <p>Displays the macro version of the @Remote certification. Max. 16 digits.</p>
5-816-089	CERT: ID2 Code	CTL	<p>[- / - / -]</p> <p>Displays ID2 for the @Remote certification. Spaces are displayed as underscores (_). Asterisks (*) indicate that no @Remote certification exists. "000000_____" indicates "Common certification". Max. 16 digits.</p>

5-816-090	CERT: Subject	CTL	[- / - / -] Displays the common name of the @Remote certification subject. CN = the following 17 bytes. Spaces are displayed as underscores (_). Asterisks (*) indicate that no @Remote certification exists. "000000_____" indicates "Common certification". Max. 16 digits.
5-816-091	CERT: Serial No	CTL	[- / - / -] Displays serial number for the @Remote certification. Asterisks (*) indicate that no @Remote certification exists. Max. 7 digits.
5-816-092	CERT: Issuer	CTL	[- / - / -] Displays the common name of the issuer of the @Remote certification. CN = the following 30 bytes. Asterisks () indicate that no @Remote certification exists. Max. 7 digits.
5-816-093	CERT: Valid Start	CTL	[- / - / -] Displays the start time of the period for which the current @Remote certification is enabled. Max. 10 digits.
5-816-094	CERT: Valid End	CTL	[- / - / -] Displays the end time of the period for which the current @Remote certification is enabled. Max. 10 digits.
5-816-102	CERT:Encrypt Level	*CTL	[1 to 2 / 1 / 1/step] 1:512bit 2:2048bit Displays the strength of encryption used for NRS authentication. The displayed value is not the value acquired from the authentication domain, rather it is the value stored in NVRAM when authentication is written. When NRS starts up, if there is a mismatch between this SP setting and the authentication encryption, then the SP value is updated.

5-816-103	Client Communication Method	*CTL	<p>[1 to 3 / 1 / 1/step]</p> <p>Saves the communication type that the machine succeeded in @Remote client communication</p> <p>0: Not communicated (initial setting)</p> <p>1: IPv4</p> <p>2: IPv6</p> <p>3: Hostname</p>																																
5-816-104	Client Communication Limit	*CTL	<p>[1 to 7 / 7 / 1/step]</p> <p>Determines the destinations of NRSGateway that the machine can use during @Remote communication. If NRS device runs, the setting specified here will be invalid.</p> <p>Enable: Uses as the destinations</p> <p>Disable: Does not use as the destinations</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Hostname</th> <th>IPv6 Address</th> <th>IPv4 Address</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Disable</td> <td>Disable</td> <td>Enable</td> </tr> <tr> <td>2</td> <td>Disable</td> <td>Enable</td> <td>Disable</td> </tr> <tr> <td>3</td> <td>Disable</td> <td>Enable</td> <td>Enable</td> </tr> <tr> <td>4</td> <td>Enable</td> <td>Disable</td> <td>Disable</td> </tr> <tr> <td>5</td> <td>Enable</td> <td>Disable</td> <td>Enable</td> </tr> <tr> <td>6</td> <td>Enable</td> <td>Enable</td> <td>Disable</td> </tr> <tr> <td>7</td> <td>Enable</td> <td>Enable</td> <td>Enable</td> </tr> </tbody> </table>	Value	Hostname	IPv6 Address	IPv4 Address	1	Disable	Disable	Enable	2	Disable	Enable	Disable	3	Disable	Enable	Enable	4	Enable	Disable	Disable	5	Enable	Disable	Enable	6	Enable	Enable	Disable	7	Enable	Enable	Enable
Value	Hostname	IPv6 Address	IPv4 Address																																
1	Disable	Disable	Enable																																
2	Disable	Enable	Disable																																
3	Disable	Enable	Enable																																
4	Enable	Disable	Disable																																
5	Enable	Disable	Enable																																
6	Enable	Enable	Disable																																
7	Enable	Enable	Enable																																
5-816-115	Network Information Waiting timer	*CTL	<p>[5 to 255 / 5 / 1/sec]</p> <p>Saves the time until the latest network information is determined.</p> <p>If SCS does not notify a boot of the network or IPv6 address event, NRS determines the network information and notifies the setting change(s) to intermediary device(s).</p>																																

5-816-200	Manual Polling	CTL	[- / - / -] [Execute] Executes the manual polling.
5-816-201	Regist Status	CTL	[0 to 4 / 0 / 1/step]
	<p>Displays a number that indicates the status of the @Remote service device.</p> <p>0: Neither the registered device by the external nor embedded RCG device is set.</p> <p>1: The embedded RCG device is being set. Only Box registration is completed. In this status, this unit cannot answer a polling request from the external RCG.</p> <p>2. The embedded RCG device is set. In this status, the external RCG unit cannot answer a polling request.</p> <p>3. The registered device by the external RCG is being set. In this status the embedded RCG device cannot be set.</p> <p>4 The registered module by the external RCG has not started.</p>		
5-816-202	Letter Number	*CTL	[- / - / -] Allows entry of the number of the request needed for the RCG-N device.
5-816-203	Confirm Execute	CTL	[- / - / -] [Execute] Executes the inquiry request to the @Remote GW URL. If SP5-816-202 was not entered, an error occurs.
5-816-204	Confirm Result	CTL	[0 to 255 / 0 / 1/step]

	Displays a number that indicates the result of the inquiry executed with SP5-816-203. 0: Succeeded 3: Communication error (proxy enabled) 4: Communication error (proxy disabled) 5: Proxy error (authentication error) 6: Communication error 8: Other error 9: Request number confirmation executing 11: Already registered 12: Parameter error 20: Dial-up authentication error 21: Answer tone detection error 22: Carrier detection error 23: Invalid setting value (modem) 24: Low power supply current 25: unplugged modem 26: Busy line		
5-816-205	Confirm Place	CTL	[- / - / -] Displays the result of the notification sent to the device from the GW URL in answer to the inquiry request. Displayed only when the result is registered at the GW URL.
5-816-206	Register Execute	CTL	[- / - / -] [Execute] Executes "Embedded RCG Registration".

5-816-207	Register Result	CTL	[0 to 255 / 0 / 1/step]
	<p>Displays a number that indicates the registration result.</p> <p>0: Succeeded</p> <p>2: Already registered</p> <p>3: Communication error (proxy enabled)</p> <p>4: Communication error (proxy disabled)</p> <p>5: Proxy error (Authentication error)</p> <p>8: Other error</p> <p>9: Request number confirmation executing</p> <p>11: Already registered</p> <p>12: Parameter error</p> <p>20: Dial-up authentication error</p> <p>21: Answer tone detection error</p> <p>22: Carrier detection error</p> <p>23: Invalid setting value (modem)</p> <p>24: Low power supply current</p> <p>25: unplugged modem</p> <p>26: Busy line</p>		
5-816-208	Error Code	CTL	[-2147483647 to 2147483647 / 0 / 1/step]
<p>Displays a number that describes the error code that was issued when either SP5-816-204 or SP5-816-207 was executed.</p>			
Cause	Code	Meaning	
Illegal Modem Parameter	-11001	Chat parameter error	
	-11002	Chat execution error	
	-11003	Unexpected error	
	-11004	Cutting process occurs during modem connecting.	
	-11005	NCS reboot occurs during modem connecting.	

Operation Error, Incorrect Setting	-12002	Inquiry, registration attempted without acquiring device status.
	-12003	Attempted registration without execution of an inquiry and no previous registration.
	-12004	Attempted setting with illegal entries for certification and ID2.
	-12005	@Remote communication is prohibited. The device has an Embedded RC gate-related problem.
Operation Error, Incorrect Setting	-12006	A confirmation request was made after the confirmation had been already completed.
	-12007	The request number used at registration was different from the one used at confirmation.
	-12008	Update certification failed because mainframe was in use.
	-12009	D2 mismatch between an individual certification and NVRAM.
	-12010	Certification area is not initialized.

Error Caused by Response from GW URL	-2385	Attempted dial up overseas without the correct international prefix for the telephone number.	
	-2387	Not supported at the Service Center	
	-2389	Database out of service	
	-2390	Program out of service	
	-2391	Two registrations for same device	
	-2392	Parameter error	
	-2393	Basil not managed	
	-2394	Device not managed	
	-2395	Box ID for Basil is illegal	
	-2396	Device ID for Basil is illegal	
	-2397	Incorrect ID2 format	
	-2398	Incorrect request number format	
5-816-209	Instl Clear	CTL	[- / - / -] [Execute]
5-816-240	CommErrorTime	CTL	[0 to 0xFFFFFFFF / 0 / 1]
5-816-241	CommErrorCode	CTL	[0 to 0xFFFFFFFF / 0x00000000 / 1]
5-816-242	CommErrorCode 2	CTL	[0 to 0xFFFFFFFF / 0x00000000 / 1]
5-816-243	CommErrorCode 3	CTL	[0 to 0xFFFFFFFF / 0x00000000 / 1]
5-816-244	CommErrorSate 1	CTL	[0 to 0xFFFF / 0x0000 / 1]
5-816-245	CommErrorSate 2	CTL	[0 to 0xFFFF / 0x0000 / 1]
5-816-246	CommErrorSate 3	CTL	[0 to 0xFFFF / 0x0000 / 1]
5-816-247	SSL Err Count	CTL	[0 to 255 / 0 / 1]
5-816-248	Other Err Count	CTL	[0 to 255 / 0 / 1]

5-816-250	CommLog Print	CTL	[- / - / -] [Execute] Prints the communication log.
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5821	[Remote Service RCG Setting]		
	-		
5-821-002	RCG IPv4 Address	*CTL	[- / 0 / -] Sets the IP address of the RCG (Remote Communication Gate) destination for call processing at the remote service center.
5-821-003	RCG Port	*CTL	[0 to 65535 / 443 / 1/step] Sets destination port number of RCG (Remote Communication Gate) at call process against center.
5-821-004	RCG IPv4 URL Path	*CTL	[0 to 15 / "/RCG/services/" /-] Sets the IPv4 address of the RCG destination URL path for call processing at the remote service center.
5-821-005	RCG IPv6 Address	*CTL	[- / 0 / -] Sets the IPv6 address of the RCG destination for call processing at the remote service center.
5-821-006	RCG IPv6 URL Path	*CTL	[0 to 15 / "/RCG/services/" /-] Sets the IPv6 address of the RCG destination URL path for call processing at the remote service center.
5-821-007	RCG Host Name	*CTL	Sets the IPv6 address of the RCG destination host name for call processing at the remote service center.
5-821-008	RCG Host URL Path	*CTL	Sets the IPv6 address of the RCG host name destination URL path for call processing at the remote service center.

5824	[NV-RAM Data Upload]		
	Uploads the NVRAM data to an SD card. Push Execute.		
5-824-001	NV-RAM Data Upload	CTL	[- / - / -] [Execute]

5825	[NV-RAM Data Download]		
	Downloads data from an SD card to the NVRAM in the machine. After downloading is completed, remove the card and turn the machine power off and on.		
5-825-001	NV-RAM Data Download	CTL	[- / - / -] [Execute]

5828	[Network Setting]		
5-828-050	1284 Compatibility (Centro)	*CTL	[0 or 1 / 1 / 1/step] 0: Disabled 1: Enabled
	Enables or disables 1284 Compatibility.		
5-828-052	ECP (Centro)	*CTL	[0 or 1 / 1 / 1/step] 0: Disabled 1: Enabled
	Enables or disables ECP Compatibility.		
5-828-065	Job Spooling	*CTL	[0 or 1 / 0 / 1/step] 0: Disabled 1: Enabled
	Enables/disables Job Spooling.		
5-828-066	Job Spooling Clear: Start Time	*CTL	[0 or 1 / 1 / 1/step] 0: ON (Data is cleared) 1: OFF (Automatically printed)
	Treatment of the job when a spooled job exists at power on.		

5-828-069	Job Spooling (Protocol)	* CTL	<p>[0 or 1 / 0 / 1/step]</p> <p>0: Validates</p> <p>1: Invalidates</p> <p>bit0: LPR</p> <p>bit1: FTP</p> <p>bit2: IPP</p> <p>bit3: SMB</p> <p>bit4: BMLinkS</p> <p>bit5: DIPRINT</p> <p>bit6: sftp</p> <p>bit7: wsprnd</p>
Validates or invalidates the job spooling function for each protocol.			
5-828-087	Protocol usage	* CTL	<p>[0 or 1 / 0 / 1/step]</p> <p>Shows which protocols have been used with the network.</p> <p>0: Off (Not used the network with the protocol.)</p> <p>1: On (Used the network with the protocol once or more.)</p> <p>bit0: IPsec, bit1: IPv6, bit2: IEEE 802. 1X, bit3:Wireless LAN,</p> <p>bit4: Security mode level setting, bit5:Appletalk, bit6: DHCP,</p> <p>bit7: DHCPv6, bit8: telnet, bit9: SSL, bit10: HTTPS,</p> <p>bit11: BMLinkS printing, bit12: diprint printing, bit13: LPR printing,</p> <p>bit14: ftp printing, bit15: rsh printing, bit16: SMB printing,</p> <p>bit17: WSD-Printer, bit18: WSD-Scanner, bit19: Scan to SMB,</p> <p>bit20: Scan to NCP, bit21: Reserve, bit22: Bluetooth,</p> <p>bit23: IEEE 1284, bit24: USB printing, bit25: Dynamic DNS,</p> <p>bit26: Netware printing, bit27: LLTD, bit28: IPP printing,</p> <p>bit29: IPP printing (SSL), bit30: ssh, bit31: sftp</p>
5-828-090	TELNET (0: OFF 1: ON)	* CTL	<p>[0 or 1 / 1 / 1/step]</p> <p>0: Disable</p> <p>1: Enable</p>
Enables or disables the Telnet protocol.			

5-828-091	Web (0: OFF 1: ON)	* CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable
Enables or disables the Web operation.			
5-828-145	Active IPv6 Link Local Address	CTL	[- / - / -]
<p>This is the IPv6 local address link referenced on the Ethernet or wireless LAN (802.11b) in the format: "Link Local Address" + "Prefix Length"</p> <p>The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.</p>			
5-828-147	SettingActive IPv6 Stateless Address 1	CTL	[00000000000000000000000000000000 0000h to
5-828-149	SettingActive IPv6 Stateless Address 2	CTL	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h / 00000000000000000000000000000004 0h / -]
5-828-151	SettingActive IPv6 Stateless Address 3	CTL	<p>These SPs are the IPv6 status addresses (1 to 5) referenced on the Ethernet or wireless LAN (802.11b) in the format: "Status Address" + "Prefix Length"</p> <p>The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.</p>
5-828-153	SettingActive IPv6 Stateless Address 4	CTL	[00000000000000000000000000000000 0000h to
5-828-155	SettingActive IPv6 Stateless Address 5	CTL	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h / 00000000000000000000000000000004 0h / -]
5-828-156	IPv6 Manual Address	*CTL	<p>These SPs are the IPv6 status addresses (1 to 5) referenced on the Ethernet or wireless LAN (802.11b) in the format: "Status Address" + "Prefix Length"</p> <p>The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.</p>

5-828-158	IPv6 Gateway Address	*CTL	[00000000000000000000000000000000h to FFFFFFFFh / 00000000000000000000000000000000h / -]
	This SP is the IPv6 gateway address referenced on the Ethernet or wireless LAN (802.11b). The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.		
5-828-161	IPv6 Stateless Auto Setting	*CTL	[0 or 1 / 1 / 1/step] 0: Disable 1: Enable
	Enables or disables the automatic setting for IPv6 stateless.		
5-828-219	IPsec Aggressive Mode Setting	*CTL	[0 or 1 / 0 / 1/step] 0: Disable 1: Enable
	-		
5-828-236	Web Item visible	*CTL	[0x0000 to 0xFFFF / 0xFFFF / -]
	Displays or does not display the Web system items. bit0: Net RICOH bit1: Consumable Supplier bit2-15: Reserved (all)		
5-828-237	Web shopping link visible	*CTL	[0 or 1 / 1 / 1/step] 0: Not display 1: Display
	Displays or does not display the link to Net RICOH on the top page and link page of the web system.		
5-828-238	Web supplies Link visible	*CTL	[Up to 31 char / URL1 / 1/step] 0: Not display 1: Display
	Displays or does not display the link to Consumable Supplier on the top page and link page of the web system.		

5-828-239	Web Link1 Name	*CTL	[Up to 31 char / URL1 / 1/step]
	This SP confirms or changes the URL1 name on the link page of the web system. The maximum characters for the URL name are 31 characters.		
5-828-240	Web Link1 URL	*CTL	[Up to 127char / URL1 / 1/step]
	This SP confirms or changes the link to URL1 on the link page of the web system. The maximum characters for the URL are 127 characters.		
5-828-241	Web Link1 visible	*CTL	[0 or 1 / 1 / 1/step] 0: Not display 1: Display
	Sets/displays whether to display the link of URL1 for websys top page.		
5-828-242	Web Link2 Name	*CTL	[Up to 31 char / URL2 / 1/step]
5-828-243	Web Link2 URL	*CTL	[Up to 127char / URL2 / 1/step]
5-828-244	Web Link2 visible	*CTL	[0 or 1 / 1 / 1/step] 0: Not display 1: Display
5-828-249	DHCPv6 DUID	CTL	[- / - / -]

5832	[HDD Formatting]		
	Initializes the hard disk. Use this SP mode only if there is a hard disk error.		
5-832-001	HDD Formatting (ALL)	CTL	[- / - / -] [Execute]

5840	[IEEE 802.11]		
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5-840-006	Channel Max	*CTL	[1 to 11 or 13 / 11 or 13 / 1 /step] Europe/Asia: 1 to 13 NA/ Asia: 1 to 11
	<p>Sets the maximum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the maximum end of the range for each area. Adjust the upper 4 bits to set the maximum number of channels. DFU</p> <p>Note</p> <ul style="list-style-type: none"> Do not change the setting. 		
5-840-007	Channel Min	*CTL	[1 to 11 or 13 / 1 / 1/step] Europe: 1 to 13 NA/ Asia: 1 to 11
	<p>Sets the minimum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the minimum end of the range for each area. Adjust the lower 4 bits to set the minimum number of channels. DFU</p> <p>Note</p> <ul style="list-style-type: none"> Do not change the setting. 		
5-840-011	WEP key Select	*CTL	[00 to 11 / 00 / 1binary/step] 00: Key #1 01: Key #2 (Reserved) 10: Key #3 (Reserved) 11: Key #4 (Reserved)
	Selects the WEP key.		
5-840-045	WPA Debug Lvl	*CTL	[1 to 3 / 3 / 1/step] 1: info 2: warning 3: error
	<p>Selects the debug level for WPA authentication application. This SP is displayed only when the IEEE802.11 card is installed.</p>		

5-840-046	11w	*CTL	[0 to 2 / 0 / 1/step] 0: disabled 1: preferred 2: Required
5-840-047	PSK Set Type	*CTL	[0 or 1 / 0 / -/step] 0: Passphrase 1: PSK

5841	[Supply Name Setting]		
	Specifies supply names. These appear on the screen when the user presses the Inquiry button in the user tools screen. [0 to 20 / NULL / 1byte/step]		
5-841-001	Toner Name Setting:Black	*CTL	[- / - / -]
5-841-002	Toner Name Setting:Cyan	*CTL	[- / - / -]
5-841-003	Toner Name Setting:Yellow	*CTL	[- / - / -]
5-841-004	Toner Name Setting:Magenta	*CTL	[- / - / -]
5-841-008	Paste Name	*CTL	[- / - / -]
5-841-009	WasteTonerBottle	*CTL	[- / - / -]
5-841-011	Staple Std1	*CTL	[- / - / -]
5-841-012	Staple Std2	*CTL	[- / - / -]
5-841-013	Staple Std3	*CTL	[- / - / -]
5-841-014	Staple Std4	*CTL	[- / - / -]
5-841-021	Staple Bind 1	*CTL	[- / - / -]
5-841-022	Staple Bind 2	*CTL	[- / - / -]
5-841-023	Staple Bind 3	*CTL	[- / - / -]
5-841-031	Ring Name (50/black)	*CTL	[- / - / -]
5-841-032	Ring Name (50/white)	*CTL	[- / - / -]
5-841-033	Ring Name (100/black)	*CTL	[- / - / -]

5-841-034	Ring Name (100/white)	*CTL	[- / - / -]
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5842	[GWWS Analysis]		
5-842-001	Setting 1	*CTL	[8bit assign / 00000000 / bit switch] 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, FO,etc. document related group 7bit: debug log level suppression
	Default: 00000000 – do not change Netfiles: Jobs to be printed from the document server using a PC and the DeskTopBinder software		
5-842-002	Setting 2	*CTL	[8bit assign / 00000000 / bit switch] 0 to 6bit: unused 7bit: time stamp setting for 5682mmesg log. (1: min./sec/msec, 0: day/hour/min./sec)
	Optional settings for debug output mode for each NFA process.		

5844	[USB]		
5-844-001	Transfer Rate	*CTL	[- / 0x04 / -] 0x01: Full speed 0x04: Auto Change
	Adjusts the USB transfer rate.		
5-844-002	Vendor ID	*CTL	[- / - / -]
	Displays the vendor ID. DFU		

5-844-003	Product ID	*CTL	[- / - / -]
	Displays the product ID. DFU		
5-844-004	Device Release Number	*CTL	[- / - / -]
	Displays the development release version number. DFU		
5-844-005	Fixed USB Port	*CTL	[0 to 2 / 0 / 1]
5-844-006	PnP Model Name	*CTL	[- / - / -]
5-844-007	PnP Serial Number	*CTL	[- / - / -]
5-844-008	Mac Supply Level	*CTL	[0 to 1 / 1 / 1/step] 0: Disable 1: Enable
5-844-100	Notify Unsupport	*CTL	[0 to 1 / 1 / 1/step] 0: Disable 1: Enable

5845	[Delivery Server Setting]		
	Provides items for delivery server settings.		
5-845-003	Retry Interval	*CTL	[60 to 900 / 300 / 1 sec/step]
	This SP is effective when the SP5-845-004 is set to 1 or more.		
5-845-004	Number of Retries	*CTL	[0 to 99 / 3 / 1 count/step]
	Retries are performed after the passing time by SP5-845-003.		
5-845-022	Rapid Sending Control	*CTL	[0 or 1 / 1 / 1/step] 0: Control disabled 1: Control enabled
	Enables or disables the prevention function for the continuous data sending error.		

5846	[UCS Setting]		
	Provides items for UCS settings.		
5-846-010	LDAP Search Timeout	*CTL	[1 to 255 / 60 / 1/step]
	Sets the length of the timeout for the search of the LDAP server.		

5-846-041	Fill Addr Acl Info	*CTL	[- / - / -] [Execute]
	<p>This SP must be executed immediately after installation of an HDD unit in a basic machine that previously had no HDD. The first time the machine is powered on with the new HDD installed, the system automatically takes the address book from the NVRAM and writes it onto the new HDD. However, the new address book on the HDD can be accessed only by the system administrator at this stage. Executing this SP by the service technician immediately after power on grants full address book access to all users.</p> <p>Procedure</p> <ol style="list-style-type: none"> 1. Turn the machine off. 2. Install the new HDD. 3. Turn the machine on. 4. The address book and its initial data are created on the HDD automatically. 5. However, at this point the address book can be accessed by only the system administrator or key operator. 6. Enter the SP mode and do SP5-846-041. After this SP executes successfully, any user can access the address book. 		
5-846-043	Addr Book Media	*CTL	[0 to 30 / 0 / 1 / step] 0: Unconfirmed 1: SD Slot 1 2: SD Slot 2 4: USB Flash ROM 20: HDD 30: Nothing
	Displays the slot number where an address book data is in.		
5-846-047	Initialize Local Address Book	CTL	[- / - / -] [Execute]
	Clears the local address book information, including the user code.		
5-846-049	Initialize LDAP Addr Book	CTL	[- / - / -] [Execute]
	Clears the LDAP address book information, except the user code.		

5-846-050	Initialize All Addr Book	CTL	[- / - / -] [Execute]
	Clears all directory information managed by UCS, including all user codes.		
5-846-051	Backup All Addr Book	CTL	[- / - / -] [Execute]
	Uploads all directory information to the SD card.		
5-846-052	Restore All Addr Book	CTL	[- / - / -] [Execute]
	Downloads all directory information from the SD card.		
5-846-053	Clear Backup Info	CTL	[- / - / -] [Execute]
	<p>Deletes the address book data from the SD card in the service slot. Deletes only the files that were uploaded from this machine. This feature does not work if the card is write-protected.</p> <p>Note</p> <ul style="list-style-type: none"> After you do this SP, go out of the SP mode, and then turn the power off. Do not remove the SD card until the Power LED stops flashing. 		
5-846-060	Search Option	*CTL	[0x00 to 0xff / 0x0f / 1/step]
	<p>This SP uses bit switches to set up the fuzzy search options for the UCS local address book.</p> <p>Bit: Meaning</p> <p>bit0: Checks both upper/lower case characters</p> <p>bit1: Japan Only</p> <p>bit2: Japan Only</p> <p>bit3: Japan Only</p> <p>bit4 to 7: Not Used</p>		

5-846-062	Complexity Option 1	*CTL	[0 to 32 / 0 / 1/step]
	<p>Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to upper case and sets the length of the password.</p> <p>Note</p> <ul style="list-style-type: none"> This SP does not normally require adjustment. This SP is enabled only after the system administrator has set up a group password policy to control access to the address book. 		
5-846-063	Complexity Option 2	*CTL	[0 to 32 / 0 / 1/step]
	<p>Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to lower case and defines the length of the password.</p>		
5-846-064	Complexity Option 3	*CTL	[0 to 32 / 0 / 1/step]
	<p>Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to numbers and defines the length of the password.</p>		
5-846-065	Complexity Option 4	*CTL	[0 to 32 / 0 / 1/step]
	<p>Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to symbols and defines the length of the password.</p>		
5-846-094	Encryption Stat	*CTL	[0 to 255 / - / 1/step]
	Shows the status of the encryption function for the address book data.		

5848	[Web Service: Access Cnt]		
	Switches access control on and off.		
5-848-004	Access Control: udirectory (Lower 4 bits)	*CTL	<p>[0x00 to 0xFF / 0x00 / -]</p> <p>Bit0-3:</p> <p>0000: No access control</p> <p>0001: Denies access to DeskTop Binder.</p>

5-848-011	Access Ctrl: Devicemanagement (Lower 4bits)	*CTL	[0x00 to 0xFF / 0x00 / -] Bit0-3: 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-022	Access Ctrl: uadministration (Lower 4bits)	*CTL	[0x00 to 0xFF / 0x00 / -] Bit0-3: 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-024	Access Ctrl: Log Service (Lower 4bits)	*CTL	[0x00 to 0xFF / 0x00 / -] Bit0-3: 0000: No access control 0001: Denies access to Log Service
5-848-025	Access Ctrl: Rest WebService (Lower 4bits)	*CTL	[0x00 to 0xFF / 0x00 / -] Bit0-3: 0000: Open Rest WebService func. 0001: Close Rest WebService func.

5848	[LogTrans]		
	Sets the transfer timing of the log		
5-848-217	Setting: Timing	*CTL	[0 to 2 / 0 / 1] 0: Transfer OFF 1: Sequential transfer 2: Ordinary Transfer

5849	[Installation Date]		
	5-849-001	Display	*CTL [- / - / -]
	5-849-002	Switch to Print	*CTL [0 or 1 / 1 / 1 /step] 0: OFF (No Print) 1: ON (Print)

5-849-003	Setup Count	*CTL	[0 to 99999999 / 0 / 1/step]
5851	[Bluetooth]		
5-851-001	mode	*CTL	[0 or 1 / 0 / 1/step]
	Sets the operation mode for the Bluetooth Unit. Press either key.		
5856	[Remote ROM Update]		
	Allows the technician to upgrade the firmware using a local port (IEEE1284) when updating the remote ROM.		
5-856-002	Local Port	*CTL	[0 or 1 / 0 / 1/step] 0: Disable 1: Enable
5857	[Debug Log Save]		
	Do not use this SP to capture debug logs. Use the captured log function instead of this SP.		
5-857-001	Save Debug Log	*CTL	[0 to 2 / 0 / 1/Step]
	<p>Enables log trace function or debug log saving function. The debug log cannot be captured until this feature is switched on.</p> <ul style="list-style-type: none"> • 0: Enables log trace function • 1: Enables debug log saving function • 2: OFF <p>Note</p> <ul style="list-style-type: none"> • If "0" is selected, it disables the settings of SP5-857-002 to 013 and gives executing failure. If "1" is selected, it disables ordinarily saving function; however, SP5-857-101 to 112 are able to execute. 		

5-857-002	Target (2:HDD 3:SD)	*CTL	[1 to 3 / 2 / 1/step] 1:IC Card 2: HDD 3: SD Card
	Sets the storage location for the debug log.		
	This SP creates a 4 MB file to store a log on an SD card.		
5-857-101	Debug Logging Start Date	*CTL	[- / 20120101 / 1/step]
	Sets start date of the debug log output.		
5-857-102	Debug Logging End Date	*CTL	[- / 20371212 / 1/step]
	Sets end date of the debug log output.		
5-857-103	Acquire All Debug Logs	*CTL	[- / - / -] [Execute]
	Obtains all debug logs.		
5-857-104	Acquire Only Controller Debug	*CTL	[- / - / -] [Execute]
	Obtains controller debug log only.		
5-857-105	Acquire Only Engine Debug Logs	*CTL	[- / - / -] [Execute]
	Obtains engine debug log only.		
5-857-107	Acquire Only Opepanel Debug Logs	*CTL	[- / - / -] [Execute]
	Outputs the controller debug log to the media inserted front I/F.		
5-857-151	Get All Debug Logs Time Disp	*CTL	[- / - / -] [Execute]
5-857-152	Get Controller Debug Logs Time Disp	*CTL	[- / - / -] [Execute]
5-857-153	Get Engine Debug Logs Time Disp	*CTL	[- / - / -] [Execute]

5-857-154	Get Opepanel Debug Logs Time Disp	*CTL	[- / - / -] [Execute]
5-857-155	Get SMC Time Disp	*CTL	[- / - / -] [Execute]

5860	[SMTP/POP3/IMAP4]		
5-860-002	SMTP Server Port Number	*CTL	[1 to 65535 / 25 / 1]
5-860-003	SMTP Authentication	*CTL	[0 to 1 / 0 / 1/step] 0: OFF 1: ON
5-860-006	SMTP Auth. Encryption	*CTL	[0 to 2 / 0 / 1/step] 0: Auto 1: Clear text 2: Ciphertext
5-860-007	POP before SMTP	*CTL	[0 to 1 / 0 / 1/step] 0: OFF 1: ON
5-860-008	POP to SMTP Waiting Time	*CTL	[1 to 10000 / 300 / 1]
5-860-009	Mail Receive Protocol	*CTL	[1 to 3 / 1 / 1/step] 1: POP3 2: IMAP4 3: SMTP
5-860-013	POP3/IMAP4 Auth. Encryption	*CTL	[0 to 2 / 0 / 1/step] 0: Auto 1: Clear text 2: Ciphertext
5-860-014	POP3 Server Port Number	*CTL	[1 to 65535 / 110 / 1]
5-860-015	IMAP4 Server Port Number	*CTL	[1 to 65535 / 143 / 1]
5-860-016	SMTP Receive Port Number	*CTL	[1 to 65535 / 25 / 1]

5-860-017	Mail Receive Interval	*CTL	[2 to 1440 / 3 / 1 minute/step]
5-860-019	Mail Keep Setting	*CTL	[0 to 2 / 0 / 1/step] 0: Not keep 1: Keep all 2: Keep error mail
5-860-020	Partial Mail Receive Timeout	*CTL	[1 to 168 / 72 / 1 hour/step]
	Sets the amount of time to wait before saving a mail that breaks up during reception. The received mail is discarded if the remaining portion of the mail is not received during this prescribed time.		
5-860-021	MDN Response RFC2298 Compliance	*CTL	[0 or 1 / 1 / 1/step] 0: No 1: Yes
	Determines whether RFC2.5298 compliance is switched on for MDN reply mail.		
5-860-022	SMTP Auth. From Field Replacement	*CTL	[0 to 1 / 0 / 1/step] 0: No. "From" item not switched. 1: Yes. "From item switched.
	Determines whether the FROM item of the mail header is switched to the validated account after the SMTP server is validated.		
5-860-025	SMTP Auth. Direct Setting	*CTL	[0 to 255 / 0 / - /step]
	Selects the authentication method for SMPT. Bit 0: LOGIN Bit 1: PLAIN Bit 2: CRAM MD5 Bit 3: DIGEST MD5 Bit 4 to 7: Not used <div style="border: 1px solid blue; border-radius: 10px; padding: 2px; display: inline-block;">Note</div> <ul style="list-style-type: none"> This SP is activated only when SMTP authorization is enabled by UP mode. 		

5-860-026	S/MIME: MIME Header	*CTL	[0 to 2 / 0 / 1 /step] 0: Microsoft Outlook Express standard 1: Internet Draft standard 2: RFC standard
	Selects the MIME header type of an E-mail sent by S/MIME.		

5866	[Email Report]		
5-866-001	Report Validity	CTL	[0 or 1 / 0 / 1/step] 0: Enabled 1: Disabled
5-866-005	Add Date Field	CTL	[0 or 1 / 0 / 1/step] 0: Enabled 1: Disabled

5870	[Common Key Info Writing]		
5-870-001	Writing	CTL	[- / - / -] [Execute]
	Writes the authentication data (used for NRS) in the memory.		
5-870-003	Initialize	CTL	[- / - / -] [Execute]
	Initializes the authentication data in the memory.		
5-870-004	Writing: 2048bit	CTL	[- / - / -] [Execute]
	Writes the authentication data 2048bit (used for NRS) in the memory.		

5873	[SD Card Appli Move]		
5-873-001	Move Exec	CTL	[- / - / -] [Execute]
	This SP copies the application programs from the original SD card in SD card slot 2 to an SD card in SD card slot 1.		

5-873-002	Undo Exec	CTL	[- / - / -] [Execute]
	This SP copies back the application programs from an SD card in SD Card Slot 2 to the original SD card in SD card slot 1. Use this menu when you have mistakenly copied some programs by using "Move Exec" (SP5-873-001).		

5875	[SC Auto Reboot]		
	-		
5-875-001	Reboot Setting	* CTL	[0 or 1 / 0 / 1/step] 0: ON 1: OFF
5-875-002	Reboot Type	*CTL	[0 or 1 / 0 / 1/step] 0: Manual reboot 1: Automatic reboot

5878	[Option Setup]		
5-878-001	Data Overwrite Security	CTL	[- / - / -] [Execute]
	Enables the Data Overwrite Security unit. Press "Execute" on the operation panel. Then turn the machine off and on.		
5-878-002	Data Overwrite Security	CTL	[- / - / -] [Execute]
	Executes the setup for encryption.		


5881	[Fixed Phrase Block Erasing]		
5-881-001	-	CTL	[- / - / -] [Execute]
	Deletes the fixed phrase.		

5885	[Set WIM Function] Web Image Monitor Settings		
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5-885-020	DocSvr Acc Ctrl	*CTL	[0 or 1 / 0 / 1/step] 0: OFF 1: ON bit 0: Forbid all document server access bit 1: Forbid user mode access bit 2: Forbid print function bit 3: Forbid fax TX bit 4: Forbid scan sending bit 5: Forbid downloading bit 6: Forbid delete bit 7: Reserved
5-885-050	DocSvr Format	*CTL	[0 to 2 / 0 / 1/step] 0: Thumbnail 1: Icon 2: Details
Selects the display type for the document box list.			
5-885-051	DocSvr Trans	*CTL	[5 to 20 / 10 / 1/step]
Sets the number of documents to be displayed in the document box list.			
5-885-100	Set Signature	*CTL	[0 to 2 / 0 / 1/step] 0: Setting for each e-mail 1: Signature for all 2: No signature
Selects whether the signature is added to the scanned documents with the WIM when they are transmitted by an e-mail.			
5-885-101	Set Encrypsion	*CTL	[0 to 1 / 0 / 1] 0: Not encrypted 1: Encryption
Determines whether the scanned documents with the WIM are encrypted when they are transmitted by an e-mail.			
5-885-200	Detect Mem Leak	*CTL	[0x00 to 0xFF / 0x00 / 0]

5-885-201	DocSvr Timeout	*CTL	[1 to 30 / 30 / 1]
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5886	[Farm Update Setting]		
5-886-100	Skip Version Check	CTL	[0 or 1 / 0 / 1/step] 0: Checked 1: Not checked
	Sets whether to do a version-up check when updating a firmware in the package.		
5-886-101	Skip LR Check	CTL	[0 or 1 / 0 / 1/step] 0: Checked 1: Not checked
	Sets whether to update firmware individually in the machine when updating a firmware in the package.		

5887	[SD GetCounter]		
<p>This SP sends a text file to an SD card inserted in SD card Slot 2 (lower slot). The operation stores.</p> <p>The file is stored in a folder created in the root directory of the SD card called SD_COUNTER.</p> <p>The file is saved as a text file (*.txt) prefixed with the number of the machine.</p> <ol style="list-style-type: none"> 1. Insert the SD card in SD card Slot 2 (lower slot). 2. Select SP5-887 then touch [Execute]. <p>Touch [Execute] in the message when you are prompted.</p> <p> Note</p> <ul style="list-style-type: none"> • "SD_COUNTER" folder must be created under the root directory of the SC card before this SP is executed. 			
5-887-001	SD GetCounter	CTL	[- / - / -] [Execute]

5888	[Personal Information Protect]		
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5-888-001	Personal Information Protect	*CTL	[0 or 1 / 0 / 1/step]
	Selects the protection level for logs. 0: No authentication, No protection for logs 1: No authentication, Protected logs (only an administrator can see the logs)		

5893	[SDK Apli Cnt Name]		
5-893-001 to 5-893-012	SDK-1 to SDK-12	CTL	[- / - / -] [Display text]

5894	[External Counter Setting]		
This SP switches the operation mode of the external counter.			
5-894-001	Switch Charge Mode	ENG	[0 to 2 / 0 / 0/step] Not used

5895	[Application invalidation]		
-			
5-895-001	Printer	CTL	[0 or 1 / 0 / 1/step] 0: Valid 1: Invalid
5-895-002	Scanner	CTL	[0 or 1 / 0 / 1/step] 0: Valid 1: Invalid

5900	[Engine Log Upload]		
5-900-001	Pattern	ENG	[0 to 4 / 0 / 1/step] DFU
5-900-002	Trigger	ENG	[0 to 3 / 0 / 1/step] Not used

5901	[Eng Log SD-Card Save Setting]		
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5-901-001	File Name Disp:Engine Log Master	ENG	[0 or 1 / 0 / 1/step]
5-901-002	File Name Disp:Debug Monitor Master	ENG	[0 or 1 / 0 / 1/step]
5-901-003	Engine Log File Size(KB) Master	ENG	[0 to 99999999 / 0 / 1/step]
5-901-004	Debug Monitor Log File Size(KB) Master	ENG	[0 to 99999999 / 0 / 1/step]
5-901-005	File Name Disp:Engine Log Slave	ENG	[0 or 1 / 0 / 1/step]
5-901-006	File Name Disp:Debug Monitor Slave	ENG	[0 or 1 / 0 / 1/step]
5-901-007	Engine Log File Size(KB) Slave	ENG	[0 to 99999999 / 0 / 1/step]
5-901-008	Debug Monitor Log File Size(KB) Slave	ENG	[0 to 99999999 / 0 / 1/step]
5-901-009	Save Setting:Engine Log Com	*ENG	[0 or 1 / 1 / 1/step] 0: OFF 1: ON
5-901-010	Save Setting:Debug Monitor Com	*ENG	[0 or 1 / 1 / 1/step] 0: OFF 1: ON

5907	[Plug & Play Maker/Model Name]		
5-907-001	Plug & Play Maker/Model/ Name	*CTL	[- / - / -]
<p>Selects the brand name and the production name for Windows Plug & Play. This information is stored in the NVRAM. If the NVRAM is defective, these names should be registered again.</p> <p>After selecting, press the "Original Type" key and "#" key at the same time. When the setting is completed, the beeper sounds five times.</p>			

5990	[SP Print Mode]		
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5-990-001	All (Data List)	CTL	[- / - / -] [Execute]
5-990-002	SP (Mode Data List)	CTL	
5-990-003	User Program	CTL	
5-990-004	Logging Data	CTL	
5-990-005	Diagnostic Report	CTL	
5-990-006	Non-Default	CTL	
5-990-007	NIB Summary	CTL	
5-990-024	SP (Mode Data List)	CTL	
5-990-025	User Program	CTL	
5-990-026	Logging Data	CTL	

5992	[SP Text mode]		
	Exports the SMC sheet data to the SD Card. Press "Execute" key to start exporting the SMC data in the SP mode display.		
5-992-001	All (Data List)	CTL	[- / - / -] [Execute]
5-992-002	SP (Mode Data List)	CTL	
5-992-003	User Program	CTL	
5-992-004	Logging Data	CTL	
5-992-005	Diagnostic Report	CTL	
5-992-006	Non-Default	CTL	
5-992-007	NIB Summary	CTL	
5-992-024	SDK/J Summary	CTL	
5-992-025	SDK/J Application Info	CTL	
5-992-026	Printer SP mode	CTL	

5998	[Fusing Cont Mode]		
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5-998-001	Preceding Warm UP ON/OFF	*ENG	[0 or 1 / 1 / 1/step] 0: Silent 1: Fast
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Group 6000

SP6-200 to -890 (Peripherals)

3

6200	[Adj Booklet Staple Position]		
	<p>Adjusts the booklet staple position for a specified paper size.</p> <p>Adjusting value to (+) shifts the staple position towards the leading edge when the machine receives the paper.</p> <p>Adjusting value to (-) shifts the staple position towards the trailing edge when the machine receives the paper.</p>		
6-200-001	13"x19.2"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-002	13"x19"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-003	12.6"x19.2"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-004	12.6"x18.5"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-005	13"x18"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-006	SR A3	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-007	12"x18"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-008	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-009	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-010	SR A4	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-011	226x310	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-012	310x432	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-013	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-014	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-015	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-016	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-200-017	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6-200-018	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]
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6201	[Adj Booklet Fold Position/step]		
	<p>Adjusts the booklet fold position for a specified paper size. Adjusting value to (+) shifts the fold position to the leading edge of paper receiving. Adjusting value to (-) shifts the fold position to the trailing edge of paper receiving.</p>		
6-201-001	13"x19.2"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-002	13"x19"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-003	12.6"x19.2"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-004	12.6"x18.5"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-005	13"x18"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-006	SR A3	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-007	12"x18"	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-008	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-009	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-010	SR A4	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-011	226x310	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-012	310x432	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-013	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-014	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-015	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-016	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-017	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-201-018	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6202	[Adj Booklet Jog Fence Position]		
	<p>Adjusts the booklet jogger fence position for a specified paper size. Adjusting value to (+) widens jogger width than the standard value. Adjusting value to (-) narrows jogger width than the standard value.</p>		
6-202-001	13"x19.2"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-002	13"x19"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-003	12.6"x19.2"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-004	12.6"x18.5"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-005	13"x18"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-006	SR A3	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-007	12"x18"	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-008	A3 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-009	B4 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-010	SR A4	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-011	226x310	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-012	310x432	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-013	A4 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-014	B5 SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-015	DLT SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-016	LG SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-017	LT SEF	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]
6-202-018	Other	ENG	[-0.5 to 0.5 / 0 / 0.1 mm/step]

6203	[Set Number of Folds for Book]		
	<p>This SP sets the number of times the folding rollers are driven forward and reverse to sharpen the crease of a folded booklet before it exits the folding unit. When set at the default (0):</p> <ul style="list-style-type: none"> • The folding blade pushes the center of the stack into the nip of the folding roller. • The folding rollers rotated ccw to crease the booklet, reverse cw, then rotate ccw again crease the booklet fold twice before feeding to the folding unit exit rollers. 		
6-203-001	-	ENG	[-3 to 9 / 0 / 1/step]

6204	[BkFold Plate Adjustment]		
	<p>Adjusts the projection amount of the fold plate in booklet fold. Adjusting value to (-) decreases the projection amount.</p>		
6-204-001	-	ENG	[-3 to 0 / 0 / 0.5 mm/step]

6205	[Adj Booklet Stapler Jog Pawl]		
	<p>Adjusts the holding degree of booklet stapler jog pawl for a specified paper size. Adjusting value to (-) decreases holding degree of paper. Adjusting value to (+) increases holding degree of paper.</p>		
6-205-001	13"x19.2"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-002	13"x19"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-003	12.6"x19.2"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-004	12.6"x18.5"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-005	13"x18"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-006	SR A3	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-007	12"x18"	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-008	A3 SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-009	B4 SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-010	SR A4	ENG	[-3 to 3 / 0 / 0.1 mm/step]

6-205-011	226x310	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-012	310x432	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-013	A4 SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-014	B5 SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-015	DLT SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-016	LG SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-017	LT SEF	ENG	[-3 to 3 / 0 / 0.1 mm/step]
6-205-018	Other	ENG	[-3 to 3 / 0 / 0.1 mm/step]

6206	[Bklet Tray Line Spd Adjust]		
	<p>Adjusts the line speed on booklet tray to adjust the jog accuracy of output paper. Adjusting value to (-) decelerates the line speed. Adjusting value to (+) accelerates the line speed.</p>		
6-206-001	-	ENG	[-5 to 5 / 0 / 0.1%/step]

6207	[Bklet Tray Mt ON Adjust]		
	<p>Adjusts the timing to activate the motor on booklet stack tray belt (or Booklet Output Tray Belt) in order to adjust the leading edge position of an output paper, which varies depending on paper buckle. Adjusting value to (-) decelerates the transporting speed. Adjusting value to (+) accelerates the transporting speed.</p>		
6-207-001	-	ENG	[-20 to 20 / 0 / 1 mm/step]

6208	[Bklet Tray Mt Off Adjust]		
	<p>Adjusts the timing to deactivate the motor on booklet stack tray belt (or Booklet Output Tray Belt) in order to adjust the trailing edge position of an output paper. Adjusting value to (-) shifts the trailing edge of output paper coming from booklet finisher towards the trailing edge of paper. Adjusting value to (+) shifts the trailing edge of output paper coming from booklet finisher towards the leading edge of paper.</p>		

6-208-001	-	ENG	[-20 to 20 / 0 / 1 mm/step]
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6209	[Staple Pos Adj:Main Scan:1]		
	<p>In a single staple for a specified paper size; Adjusting value to (+) widens the staple position from the side edge of paper. Adjusting value to (-) narrows the staple position from the side edge of paper.</p>		
6-209-001	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-002	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-003	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-004	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-005	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-006	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-007	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-008	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-009	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-010	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-011	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-012	16-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-013	16-Kai LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-209-014	Other	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]

6210	[Staple Pos Set:Main Scan:1]		
	<p>In a single staple for a specified paper size; Adjusting value to (+) widens the staple position from the side edge of paper. Adjusting value to (-) narrows the staple position from the side edge of paper.</p>		
6-210-001	A3 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-002	B4 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]

6-210-003	A4 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-004	A4 LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-005	B5 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-006	B5 LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-007	DLT SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-008	LG SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-009	LT SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-010	LT LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-011	8-Kai SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-012	16-Kai SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-013	16-Kai LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-210-014	Other	ENG	[-2 to 2 / 0 / 1 mm/step]

6211	[Staple Pos Adj:Main Scan:2]		
	<p>In a double staple for a specified paper size; Adjusting value to (+) widens the distance of two staple positions from the paper center. Adjusting value to (-) narrows the distance of two staple positions from the paper center.</p>		
6-211-001	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-002	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-003	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-004	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-005	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-006	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-007	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-008	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]

6-211-009	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-010	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-011	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-012	16-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-013	16-Kai LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-211-014	Other	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]

6212	[Staple Pos Set:Main Scan:2]		
	<p>In a double staple for a specified paper size; Adjusting value to (+) widens the distance of two staple positions from the paper center. Adjusting value to (-) narrows the distance of two staple positions from the paper center.</p>		
6-212-001	A3 SEF	ENG	[-16 to 115 / 0 / 1 mm/step]
6-212-002	B4 SEF	ENG	[-16 to 75 / 0 / 1 mm/step]
6-212-003	A4 SEF	ENG	[-16 to 28 / 0 / 1 mm/step]
6-212-004	A4 LEF	ENG	[-16 to 115 / 0 / 1 mm/step]
6-212-005	B5 SEF	ENG	[-16 to 0 / 0 / 1 mm/step]
6-212-006	B5 LEF	ENG	[-16 to 75 / 0 / 1 mm/step]
6-212-007	DLT SEF	ENG	[-16 to 98 / 0 / 1 mm/step]
6-212-008	LG SEF	ENG	[-16 to 34 / 0 / 1 mm/step]
6-212-009	LT SEF	ENG	[-16 to 34 / 0 / 1 mm/step]
6-212-010	LT LEF	ENG	[-16 to 98 / 0 / 1 mm/step]
6-212-011	8-Kai SEF	ENG	[-16 to 85 / 0 / 1 mm/step]
6-212-012	16-Kai SEF	ENG	[-16 to 12 / 0 / 1 mm/step]
6-212-013	16-Kai LEF	ENG	[-16 to 85 / 0 / 1 mm/step]
6-212-014	Other	ENG	[-16 to 115 / 0 / 1 mm/step]

6213	[Staple Pos Adj:Sub Scan]		
	<p>In a single staple for a specified paper size; Adjusting value to (+) widens the distance between the trailing edge of paper and staple position. Adjusting value to (-) narrows the distance between the trailing edge of paper and staple position.</p>		
6-213-001	A3 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-002	B4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-003	A4 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-004	A4 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-005	B5 SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-006	B5 LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-007	DLT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-008	LG SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-009	LT SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-010	LT LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-011	8-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-012	16-Kai SEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-013	16-Kai LEF	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]
6-213-014	Other	ENG	[-1.5 to 1.5 / 0 / 0.1 mm/step]

6214	[Staple Pos Set:Sub Scan]		
	<p>In a single staple for a specified paper size; Adjusting value to (+) widens the distance between the trailing edge of paper and staple position. Adjusting value to (-) narrows the distance between the trailing edge of paper and staple position.</p>		
6-214-001	A3 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-002	B4 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]

6-214-003	A4 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-004	A4 LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-005	B5 SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-006	B5 LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-007	DLT SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-008	LG SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-009	LT SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-010	LT LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-011	8-Kai SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-012	16-Kai SEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-013	16-Kai LEF	ENG	[-2 to 2 / 0 / 1 mm/step]
6-214-014	Other	ENG	[-2 to 2 / 0 / 1 mm/step]

6215	[Staple Pos Dev Adj:Sub Scan/step]		
	Touch [1:+1 Time] to have the jogger fences press against the sides of the stack on the staple tray one more time to align the stack for corner stapling.		
6-215-001	-	ENG	[-1.0 to 1 / 0 / 0.1 mm/step] 0: Default 1: +1 Time

6216	[Adj End Bind Jogger]		
	Adjusts the shifting amount when front/rear jogger fences align a sheet in staple of a specified paper size. Adjusting value to (+) increases the jogger width so that the jogger width becomes wider than a standard. Adjusting value to (-) decreases the jogger width so that the jogger width becomes narrower than a standard.		
6-216-001	A3 SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-002	B4 SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]

6-216-003	A4 SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-004	A4 LEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-005	B5 SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-006	B5 LEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-007	DLT SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-008	LG SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-009	LT SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-010	LT LEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-011	8-Kai SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-012	16-Kai SEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-013	16-Kai LEF	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]
6-216-014	Other	ENG	[-1.0 to 1 / 0 / 0.1 mm/step]

6217	[Staple Jogging Times]		
	Specifies the number of staple jogging.		
6-217-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Default 1: +1 Time

6218	[Adj Leading Edge Stopper]		
	Adjust the travel distance of the paper edge stopper for edge stapling Adjusting value to (+) increases the paper holding degree. Adjusting value to (-) decreases the paper holding degree.		
6-218-001	A3 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-002	B4 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-003	A4 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-004	A4 LEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]

6-218-005	B5 SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-006	B5 LEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-007	DLT SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-008	LG SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-009	LT SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-010	LT LEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-011	8-Kai SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-012	16-Kai SEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-013	16-Kai LEF	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]
6-218-014	Other	ENG	[-2.5 to 2.5 / 0 / 0.5 mm/step]

6219	[ExitGuidePlate CloseTiming Adj]		
	Adjusts the exit guide plate close timing.		
6-219-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Default 1: Late

6220	[Hitroll Motor Rotation Time]		
	Adjusts the start timing of hit roller rotation in a specified paper size, Adjusting value to (+) starts the timing earlier; adjusting value to (-) starts late.		
6-220-001	A3 SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-002	B4 SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-003	A4 SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-004	A4 LEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-005	B5 SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-006	B5 LEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-007	DLT SEF	ENG	[-50 to 50 / 0 / 5 msec/step]

6-220-008	LG SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-009	LT SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-010	LT LEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-011	8-Kai SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-012	16-Kai SEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-013	16-Kai LEF	ENG	[-50 to 50 / 0 / 5 msec/step]
6-220-014	Other	ENG	[-50 to 50 / 0 / 5 msec/step]

6222	[Trail Edge Press Adj]		
	Adjusts the shifting amount of trailing edge stopper in stapling a specified thick of paper. Adjusting value to (+) increases the shift amount; adjusting value to (-) decreases the shift amount.		
6-222-001	Thick 2	ENG	[-3.0 to 3 / 0 / 1 mm/step]
6-222-002	Thick 3	ENG	[-3.0 to 3 / 0 / 1 mm/step]
6-222-003	Thick 4	ENG	[-3.0 to 3 / 0 / 1 mm/step]
6-222-004	Thick 5	ENG	[-3.0 to 3 / 0 / 1 mm/step]

6223	[Adj Punch Posi Sub Scan]		
	In punching a specified paper type; Adjusting value to (+) punches at a distance farther from the trailing edge of paper; adjusting value to (-) punches at a distance nearer from the trailing edge of paper.		
6-223-001	2-Hole EU/JPN	ENG	[-3.5 to 3.5 / 0 / 0.5 mm/step]
6-223-002	3-Hole NA	ENG	[-3.5 to 3.5 / 0 / 0.5 mm/step]
6-223-003	4-Hole EU	ENG	[-3.5 to 3.5 / 0 / 0.5 mm/step]
6-223-004	4-Hole Scandinavia	ENG	[-3.5 to 3.5 / 0 / 0.5 mm/step]
6-223-005	2-Hole Scandinavia	ENG	[-3.5 to 3.5 / 0 / 0.5 mm/step]

6224	[Adj Punch Posi Main Scan]		
	In punching a specified paper type; Adjusting value to (+)punches at a distance farther from the trailing edge of paper; Adjusting value to (-)punches at a distance nearer from the trailing edge of paper.		
6-224-001	2-Hole EU/JPN	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-224-002	3-Hole NA	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-224-003	4-Hole EU	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-224-004	4-Hole Scandinavia	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-224-005	2-Hole Scandinavia	ENG	[-3 to 3 / 0 / 0.5 mm/step]

6225	[Adj Pre Stack Number]		
	Adjusts the number of pre-stack for a specified paper size.		
6-225-001	A3 SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-002	B4 SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-003	A4 SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-004	A4 LEF	ENG	[0 to 6 / 6 / 1/step]
6-225-005	B5 SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-006	B5 LEF	ENG	[0 to 6 / 6 / 1/step]
6-225-007	DLT SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-008	LG SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-009	LT SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-010	LT LEF	ENG	[0 to 6 / 6 / 1/step]
6-225-011	8-Kai SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-012	16-Kai SEF	ENG	[0 to 4 / 4 / 1/step]
6-225-013	16-Kai LEF	ENG	[0 to 6 / 6 / 1/step]
6-225-014	Other	ENG	[0 to 9 / 0 / 1/step]

6226	[Adj Registration Control]		
	Enables/disables the skew correction.		
6-226-001	-	ENG	[0 or 1 / 1 / 1/step] 0: Corr: OFF 1: Corr: ON

6227	[Adj Registration Buckle]		
	Adjusts the degree of skew correction for a specified paper. Adjusting value to (+) increase the buckle degree; adjusting (-) decreases the buckle degree.		
6-227-001	A4 LEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-002	A5 SEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-003	A5 LEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-004	B5 LEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-005	LT LEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-006	HLT SEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-007	HLT LEF	ENG	[-3 to 3 / 0 / 0.5 mm/step]
6-227-008	Other	ENG	[-3 to 3 / 0 / 0.5 mm/step]

6229	[Skew Corr Adj(Z-Fold)]		
	Selects skew correction option for Z-fold.		
6-229-001	-	ENG	[0 to 2 / 2 / 1/step] 0: Corr: OFF 1: Corr: ON 2: Rev Corr: ON

6230	[Adj Registration Buckle]		
	Enables to adjust the skew correction amount if SP6-229 is set to "1". Adjusting value to (-) decreases the correction amount.		

6-230-001	-	ENG	[-9 to 0 / 0 / 0.5 mm/step]
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6231	[Skew Corr Reverse Amt Adj(Z-F)]		
	Enables to adjust the skew reverse amount if SP6-229 is set to "2". Adjusting (-) decreases the reverse amount.		
6-231-001	-	ENG	[0 to 3 / 0 / 0.5 mm/step]

6232	[Adj Output Jog Position]		
	Adjusts the shifting direction of output jogger position (Main scan direction). Adjusting value to (-) shifts the jogger width towards narrower than a standard; adjusting value to (+) shifts the jogger width towards larger than a standard.		
6-232-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-003	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-004	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-005	A5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-006	A5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-007	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-008	B5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-011	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-012	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-013	HLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-014	HLT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-232-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6233	[Output Jog Position Set]		
	Specifies whether to use jogger.		
6-233-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Enable 1: Disable

6234	[Output Jog Position Ang Adj:]		
	Adjusts the angle of vertical direction for jogger. Adjusting value to (-) shifts the angle to lower than a standard; adjusting value to (+) shifts the angle to larger than a standard.		
6-234-001	-	ENG	[-10 to 10 / 0 / 5 deg/step]

6235	[Output Jog Pos Set(Staple)]		
	Specifies whether to use jogger when staple		
6-235-001	-	ENG	[0 to 1 / 1 / 1/step] 0: Enable 1: Disable

6236	[Exit Paper Tray Lowering Adj]		
	Adjusts the lowering amount of shift tray in ejecting a paper stack. Adjusting value to (+) increases the lowering amount.		
6-236-001	-	ENG	[0 to 2 / 0 / 1/step] 0: Default 1: More 2: Less

6237	[Tray Full Set(Length<=216)]		
	Decreases the number of loading sheets which a tray-full is detected.By applying this setting, paper load status is to be enhanced.		

6-237-001	-	ENG	[0 to 2 / 0 / 1/step] 0: Default 1: 1500 Sheets 2: 1000 Sheets
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6238	[Tray Full Set(216<Length<=432)]		
	Decreases the number of loading sheets which a tray-full is detected. By applying this setting, paper load status is to be enhanced.		
6-238-001	-	ENG	[0 to 2 / 0 / 1/step] 0: Default 1: 1000 Sheets 2: 500 Sheets

6239	[Tray Full Set(432<Length)]		
	Decreases the number of loading sheets for detecting a tray-full. By applying this setting, paper load status is to be enhanced.		
6-239-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Default 1: 500 Sheets

6240	[Drag Roller Timing Adj]		
	Adjusts the rotating time of drag roller. Adjusting value to (-) hastens the stop timing of drag roller.		
6-240-001	-	ENG	[-250 to 0 / 0 / 10 msec/step]

6241	[Finisher Input Check]		
	page 870 "Input Check: Finisher SR5060 (D734) / Finisher SR5050 (D735)"		

6242	[Finisher Output Check]		
	page 925 "Output Check: Finisher SR5060 (D734) / Finisher SR5050 (D735)"		

6243	[Shift Tray:Paper Jogger Set]		
	Enabling this SP provides higher jog accuracy on a shift tray.		
6-243-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Speed Priority 1: Accuracy Priority

6244	[Outputed:Trail Edge Press Set]		
	<p>Sets whether to activate/deactivate the press lever.</p> <p>In the default setting (Auto), the press lever is active when handling a coated paper with a large size (364 mm or more in main scan direction).</p> <p>In Force ON, activates the press lever for all paper sizes.</p> <p>In Force OFF, deactivates press lever for all cases. Only performs the initial operation.</p>		
6-244-001	-	ENG	[0 to 2 / 0 / 1/step] 0: Auto 1: Force ON 2: Force OFF

6245	[Paper Exit Fan Setting]		
	Sets whether to activate/deactivate paper exit fan.		
6-245-001	-	ENG	[0 to 2 / 0 / 1/step] 0: Auto 1: Force ON 2: Force OFF

6246	[Paper Exit Fan Vol Adj]		
	Increases the air volume of paper exit fan.		
6-246-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Auto 1: Fan Vol Up

6247	[Bklet Tray Full Adj]		
	Adjusts the condition of booklet tray full.		
6-247-001	-	ENG	[0 to 3 / 0.9 / 0.1 V/step]

6309	[INPUT Check Multi Folder]		
	page 877 "Input Check: Multi-Folding Unit FD5020 (D740)"		

6310	[Output Check Multi Folder]		
	page 927 "Output Check: Multi-Folding Unit FD5020 (D740)"		

6324	[Jogger Fence Position Adjust]		
	<p>Adjusts the horizontal alignment position against a paper stack when folding multiple sheets with folding unit.</p> <p>Adjusting value to (+) widens jogger width than the standard jogger width (at 1.5 mm inside from each the edge of paper); adjusting value to (-) narrows the jogger width.</p>		
6-324-001	A3 SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-002	B4 SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-003	A4 SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-004	DLT SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-005	LG SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-006	LT SEF	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-007	12"*18"	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-008	8-Kai	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-009	B5T	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]
6-324-019	Other	ENG	[-2.0 to 2.0 / 0.0 / 0.5 mm/step]

6325	[Registration Buckle Adjust]		
	<p>Adjusts the registration buckle degree when folding a single sheet with folding unit. This SP is valid only when SP6-326-001 is set to "Buckle Control ON." Adjusting value to (+) increases the buckle degree than the standard.(5 mm); adjusting value to (-) decreases than the standard.</p>		
6-325-001	A3 SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-002	B4 SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-003	A4 SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-004	DLT SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-005	LG SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-006	LT SEF	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-007	12"*18"	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-008	8-Kai	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-009	B5T	ENG	[-4 to 2 / 0 / 1 mm/step]
6-325-019	Other	ENG	[-4 to 2 / 0 / 1 mm/step]

6326	[Reg Buckle Adjust Select]		
	<p>Sets whether to enable/disable the registration buckle adjustment when folding a single sheet with folding unit</p>		
6-326-001	-	ENG	<p>[0 or 1 / 0 / 1/step] 0: Buckle Control ON 1: Buckle Control OFF</p>

6400	[Cvr Inserter Input Check]		
	page 880 "Input Check: Cover Interposer Tray CI5030 (D738)"		

6401	[Cvr Inserter Output Check]		
	page 928 "Output Check: Cover Interposer Tray CI5030 (D738)"		

6500	[Adj Ring Punch]		
	Adjusts the jogger position of front side, just before ring-binding.		
6-500-001	A4 LEF	ENG	[-2 to 2 / 0 / 0.05 mm/step]
6-500-002	LT LEF	ENG	[-2 to 2 / 0 / 0.05 mm/step]

6501	[Adj Ring Paddle Pos]		
	Adjusts the paddle height in binder unit.		
6-501-001	-	ENG	[-3 to 3 / 0 / 0.1 mm/step]

6502	[Adj Bind Position 1]		
	6-502-001	A4 LEF	ENG
6-502-002	LT LEF	ENG	[-2 to 2 / 0 / 0.2 mm/step]

6503	[Adj Bind Position 2]		
	6-503-001	A4 LEF	ENG
6-503-002	LT LEF	ENG	[-2 to 2 / 0 / 0.2 mm/step]

6504	[Eigen Val Adj Ring Punch]		
	6-504-001	A4 LEF	ENG
6-504-002	LT LEF	ENG	[-2 to 2 / 0 / 0.05 mm/step]

6505	[Eigen Val Adj Ring Paddle Pos]		
	6-505-001	-	ENG

6506	[Eigen Val Adj Bind Position 1]		
	6-506-001	A4 LEF	ENG
6-506-002	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6507	[Eigen Val Adj Bind Position 2]		
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6-507-001	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-507-002	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6508	[Input Check: Ring Binder]		
	page 883 "Input Check: Ring Binder RB5020 (D737)"		

6509	[Output Check: Ring Binder/step]		
	page 929 "Output Check: Ring Binder RB5020 (D737)"		

6521	[Stack Thickness Volume Adjust]		
	Sets the stack thickness volume for book block's spine.		
6-521-001	0 mm Adjust	ENG	[0 to 1023 / 97 / 1/step]
6-521-002	25mm Adjust	ENG	[0 to 1023 / 865 / 1/step]

6522	[Glue Remain Thermistor: Wet Sd]		
	Adjusts the reference value to detect remaining amount of glue in the glue vat.		
6-522-001	Glue Vat: Wet Side Lower Limit	ENG	[0 to 255 / 132 / 1/step]
6-522-002	Glue Vat: Wet Side Upper Limit	ENG	[0 to 255 / 142 / 1/step]

6523	[Cover Factory Set]		
	Adjusts the horizontal registration position for cover (large/small), and the cover center position		
6-523-001	H-Reg Large	ENG	[-5 to 5 / 0 / 0.1 mm/step]
6-523-002	H-Reg Small	ENG	[-5 to 5 / 0 / 0.1 mm/step]
6-523-003	Center	ENG	[-5 to 5 / 0 / 0.1 mm/step]

6524	[Stack SWBK Adj]		
	Adjusts the buckle amount when switch-backing on Signature/Stacking tray.		

6-524-001	-	ENG	[-5 to 5 / 0 / 0.1 mm/step]
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6525	[Jogger Motor Mov Amt Adj]		
6-525-001	Jogger F Motor:Small	ENG	[-3 to 3 / 0 / 0.1 mm/step]
	Adjusts the pressing amount for rear jog fence (movable part) against signature with smaller than 298 mm in width.		
6-525-002	Jogger R Motor:Small	ENG	[-3 to 3 / 0 / 0.1 mm/step]
	Adjusts the pressing amount for rear jog fence (base part) against signature with smaller than 298 mm in width.		
6-525-003	Jogger F Motor:Large	ENG	[-3 to 3 / 0 / 0.1 mm/step]
	Adjusts the pressing amount for rear jog fence (movable part) against signature with larger than 298 mm in width.		
6-525-004	Jogger R Motor:Large	ENG	[-3 to 3 / 0 / 0.1 mm/step]
	Adjusts the pressing amount for rear jog fence (base part) against signature with larger than 298 mm in width.		

6526	[Glue Coating Amt Adj 1]		
Adjusts the book block's spine position to apply glue both in outward (pressing phase) and return path (application phase).			
6-526-001	-	ENG	[-3 to 3 / 0 / 0.1 mm/step]

6527	[Glue Vat Mov Amt Adj]		
Adjusts the edges position of glue vat and paper stack by moving amount of glue vat.			
6-527-001	-	ENG	[-8 to 8 / 0 / 0.1 mm/step]

6528	[Finishing Pos Adj]		
6-528-001	Finishing Size:Length	ENG	[-5 to 5 / 0 / 0.1 mm/step]
	Adjusts the length in sub scan direction.		

6-528-002	Finishing Size:Width	ENG	[-5 to 5 / 0 / 0.1 mm/step]
	Adjusts the length in main scan direction.		
6-528-003	Cutting Position	ENG	[-5 to 5 / 0 / 0.1 mm/step]
	Adjusts the length between the cutting position and signature's edge.		

6529	[Finishing Angle Adjustment]		
	<p>Square the top, bottom, and outside edges when trimming a deck of paper. Apply this adjustment if the three edges of the deck of paper cut by the perfect binder are not square. Enter the distance from the square part at each edge.</p>		
6-529-001	10Sheets Rear	ENG	[-10 to 10 / 0 / 0.1 mm/step]
6-529-002	10Sheets Front	ENG	[-10 to 10 / 0 / 0.1 mm/step]
6-529-003	10Sheets Toward Small Hole	ENG	[-10 to 10 / 0 / 0.1 mm/step]
6-529-004	200Sheets Rear	ENG	[-10 to 10 / 0 / 0.1 mm/step]
6-529-005	200Sheets Front	ENG	[-10 to 10 / 0 / 0.1 mm/step]
6-529-006	200SheetsToward Small Hole	ENG	[-10 to 10 / 0 / 0.1 mm/step]

6530	[Corner Processing/step]		
	Adjusts the area without glue in which top/bottom cutting is enabled.		
6-530-001	Vertical Cutting:ON-Rear	ENG	[-5 to 5 / 0 / 1 mm/step]
6-530-002	Vertical Cutting:ON-Front	ENG	[-3 to 3 / 0 / 1 mm/step]
6-530-003	Vertical Cutting:OFF-Rear	ENG	[-5 to 5 / 0 / 1 mm/step]
6-530-004	Vertical Cutting:OFF-Front	ENG	[-5 to 5 / 0 / 1 mm/step]

6531	[Glue Coating Amt Adj 2]		
	Adjusts a gap for return path (glue application).		
6-531-001	Plain:Stack Thickness1	ENG	[-1 to 1 / 0 / 0.05 mm/step]

6-531-002	Plain:Stack Thickness2	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-003	Plain:Stack Thickness3	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-004	Plain:Stack Thickness4	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-005	Plain:Stack Thickness5	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-006	Plain:Stack Thickness6	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-007	Coated:Stack Thickness1	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-008	Coated:Stack Thickness2	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-009	Coated:Stack Thickness3	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-010	Coated:Stack Thickness4	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-011	Coated:Stack Thickness5	ENG	[-1 to 1 / 0 / 0.05 mm/step]
6-531-012	Coated:Stack Thickness6	ENG	[-1 to 1 / 0 / 0.05 mm/step]

6532	[SWBK Roller Lift HP Adj]		
	Adjusts the lowering start position for switch back roller on Stacking Tray		
6-532-001	-	ENG	[-9 to 9 / 0 / 1 pls/step]

6533	[Blade/Blade Cradle Set]		
	6-533-001	Blade Replace Alarm Set	ENG
	Species the count to alarm the blade replacement.		
6-533-002	Blade Cradle Mov ThreshSet	ENG	[100 to 1000 / 550 / 10/step]
	Determines the used count (cutting count) par a received position of blade cradle.		
6-533-003	Blade Cradle Pos Update	ENG	[0 or 1 / 0 / 1/step]
	Updates the blade cradle position.		

6534	[Glue Temp Set]		
	6-534-001	-	ENG

6536	[Degeneracy Mode Clear]		
	Clears the degeneracy mode.		
6-536-001	-	ENG	[0 or 1 / 0 / 1/step]

6537	[Input Check: Perfect Binder]		
	page 889 "Input Check: Perfect Binder GB5010 (D736)"		

6538	[Maintenance Mode]		
	This is used to check the items shown below running properly.		
6-538-001	Grip Release1	ENG	[0 or 1 / 0 / 1/step]
6-538-002	MG Rotate HP Pos Mov	ENG	[0 or 1 / 0 / 1/step]
6-538-003	MG Rotate Binding Pos Mov	ENG	[0 or 1 / 0 / 1/step]
6-538-004	Grip Release2	ENG	[0 or 1 / 0 / 1/step]
6-538-005	Blade Cradle Replace	ENG	[0 or 1 / 0 / 1/step]
6-538-006	Blade Replace	ENG	[0 or 1 / 0 / 1/step]
6-538-007	Cover Path:Open	ENG	[0 or 1 / 0 / 1/step]
6-538-008	Cover Path:Close	ENG	[0 or 1 / 0 / 1/step]
6-538-009	Stack Tray:Down	ENG	[0 or 1 / 0 / 1/step]
6-538-010	Trim Scrap Buffer: Left	ENG	[0 or 1 / 0 / 1/step]
6-538-011	Trim Scrap Buffer: Right	ENG	[0 or 1 / 0 / 1/step]
6-538-012	Logistics Pos Mov	ENG	[0 or 1 / 0 / 1/step]

6539	[Interposer Tray VR Adj]			
	6-539-001	Upper Tray A4 Width	ENG	[0 or 1 / 0 / 1/step]
	6-539-002	Upper Tray A4 Length	ENG	[0 or 1 / 0 / 1/step]
	6-539-003	Upper Tray LT Width	ENG	[0 or 1 / 0 / 1/step]
	6-539-004	Upper Tray LT Length	ENG	[0 or 1 / 0 / 1/step]

6-539-005	Lower TrayA4 Width	ENG	[0 or 1 / 0 / 1/step]
6-539-006	Lower TrayA4 Length	ENG	[0 or 1 / 0 / 1/step]
6-539-007	Lower TrayLT Width	ENG	[0 or 1 / 0 / 1/step]
6-539-008	Lower TrayLT Length	ENG	[0 or 1 / 0 / 1/step]

6540	[Replacement Counter Clear]		
	Clears the replacement counter in the EEPROM of the machine.		
6-540-001	Blade	ENG	[0 or 1 / 0 / 1/step]
6-540-002	Blade Cradle	ENG	[0 or 1 / 0 / 1/step]
6-540-003	Glue Vat	ENG	[0 or 1 / 0 / 1/step]

6600	[Stacker1 Input Check]		
	page 903 "Input Check: High Capacity Stacker SK5030 (D776)"		

6601	[Stacker1 Output Check]		
	page 930 "Output Check: High Capacity Stacker SK5030 (D776)"		

6602	[Jog Fence Adjust: Stacker1]		
6-602-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-003	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-004	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-005	A5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-006	A5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-007	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-008	B5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6-602-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-011	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-012	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-013	HLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-014	HLT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-602-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6603	[LE Stopper Adjust: Stacker1]		
6-603-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-003	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-004	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-005	A5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-006	A5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-007	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-008	B5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-011	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-012	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-013	HLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-014	HLT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-603-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6604	[SubJog Fence Adjust: Stacker1]		
6-604-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-604-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6-604-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-604-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-604-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6606	[Stacker2 Input Check]		
	page 906 "Input Check: High Capacity Stacker SK5030 (D776)"		

6607	[Stacker2 Output Check]		
	page 931 "Output Check: High Capacity Stacker SK5030 (D776)"		

6608	[Jog Fence Adjust: Stacker2]		
	Adjusts the jogger position for downstream delivery if stacker 2 connected. Adjusting value to (-) widens the setting value than the paper width; adjusting value (+) narrows.		
6-608-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-003	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-004	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-005	A5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-006	A5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-007	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-008	B5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-011	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-012	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-013	HLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-608-014	HLT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6-608-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]
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6609	[LE Stopper Adjust: Stacker2]		
	<p>Adjusts the stopper position of the leading edge for downstream delivery If stacker 2 connected.</p> <p>Adjusting value (-) widens the setting value than the paper width; adjusting value (+) narrows.</p>		
6-609-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-003	A4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-004	A4 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-005	A5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-006	A5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-007	B5 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-008	B5 LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-011	LT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-012	LT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-013	HLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-014	HLT LEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-609-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6610	[SubJog Fence Adjust: Stacker2]		
	<p>Adjusts the sub jogger position for downstream delivery If stacker 2 connected.</p> <p>Adjusting value (-) widens the setting value than the paper width; adjusting value (+) narrows.</p>		
6-610-001	A3 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6-610-002	B4 SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-610-009	DLT SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-610-010	LG SEF	ENG	[-2 to 2 / 0 / 0.1 mm/step]
6-610-015	Other	ENG	[-2 to 2 / 0 / 0.1 mm/step]

6612	[Stacker1 Fan Setting]		
	Enables/disables the stacker 1 fan for upstream delivery if a single stacker or stacker 2 connected.		
6-612-001	-	ENG	[0 or 1 / 0 / 1/step] 0: ON 1: OFF

6613	[Stacker2 Fan Setting]		
	Enables/disables the stacker 1 fan for downstream delivery if stacker 2 connected.		
6-613-001	-	ENG	[0 or 1 / 0 / 1/step] 0: ON 1: OFF

6614	[Stacker: S Tray Ppr Ctl: P-On]		
	Sets how to notify of the paper loaded on the shift tray on stacker at Power ON. This SP applies for when using a single stacker, and upstream/downstream in stacker 2 connected.		
6-614-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Invalid Inform 1: Valid Inform

6650	[Input Check: Trimmer]		
	page 909 "Input Check: Trimmer Unit TR5040 (D520)"		

6651	[Output Check: Trimmer]		
	page 932 "Output Check: Trimmer Unit TR5040 (D520)"		

6752	[FM2 Equal 1/2:FineAdjFld]		
6-752-101	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-102	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-103	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-104	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-105	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-106	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-107	12"* 18" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-108	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-109	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-110	13"* 19" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-111	13"* 19.2" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-112	13"* 18" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-113	12.6"* 18.5" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-114	12.6"* 19.2" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-115	SRA3 (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-116	SRA4 (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-117	226* 310 (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-118	310* 432 (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-752-119	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6753	[FM3 Equal 3rds:Fine Adj 1st]		
6-753-101	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-753-102	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6-753-103	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-753-104	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-753-107	B5 SEF (Multi Sheet)	ENG	[-3.0 to 3.0 / 0.0 / 0.2 mm/step]
6-753-108	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6754	[FM3 Equal 3rds:Fine Adj 2nd]		
6-754-101	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-754-102	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-754-103	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-754-104	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-754-107	B5 SEF (Multi Sheet)	ENG	[-3.0 to 3.0 / 0.0 / 0.2 mm/step]
6-754-108	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6755	[FM4 3rds 1 Flap:Fine Adj 1st]		
6-755-101	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-102	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-103	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-104	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-105	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-106	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-107	12"*18" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-108	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-109	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-755-110	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6756	[FM4 3rds 1 Flap:Fine Adj 2nd]		
6-756-101	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6-756-102	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-103	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-104	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-105	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-106	LT SEF (Multi Sheet)	ENG	[0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-107	12"* 18" (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-108	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-109	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]
6-756-110	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / 0.0 / 0.2 mm/step]

6762	[Top Tray Full Set: Enable]		
	Sets whether to detect full-tray in folding unit.		
6-762-001	-	ENG	[0 or 1 / 0 / 1/step] 0: Full Detection ON 1: Full Detection OFF

6763	[TopTray Full Set:Limit Output]		
	<p>Specifies the number of sheets that the machine prints when it detects that the folding unit tray is full before displaying a warning message.</p> <p>Increasing the number of sheets printed decreases warning messages, prevents the machine from stopping printing, and so increases throughput.</p> <p>A multi-sheet fold copy is counted as a single sheet.</p>		
6-763-001	-	ENG	[0 to 250 / 0 / 1/step]

6800	[Sheet Conversion (Thick Paper)]		
	Selects the count type for stapling the thick paper.		

6-800-001	1 to 3 (Initial: 3 Sheets)	CTL	[1 to 3 / 3 / 1/step] 1: 1 Sheet 2: 2 Sheets 3: 3 Sheets
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6810	[Ring Bind Sheet Conversion (Thick Paper)]		
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6-810-001	-	CTL	[1 to 3 / 3 / 1/step] 1: 1 pages 2: 2 pages 3: 3 pages

6830	[Extra]		
	<p>More than the standard number of sheets can be stapled. This SP sets the additional number of sheets (This Setting + Standard Number = maximum number of sheets).</p> <ul style="list-style-type: none"> • If the number of the maximum for staples is increased, and the mechanical warranty of the unit can be guaranteed, then the setting can take effect without changing the controller software. • However, assurance that mechanical performance can be guaranteed is required before changing the setting to increase the staple load for more than the maximum in the feed/exit specifications. Raising this setting without quality assurance could damage the machine. 		
6-830-001	Staples 0 to 50 (Initial: 0)	*CTL	[0 to 50 / 0 / 1/step]
6-830-002	Saddles 0 to 50 (Initial: 0)	*CTL	[0 to 50 / 0 / 1/step]
6-830-003	Half-Fold 0 to 50 (Initial: 0)	*CTL	[0 to 50 / 0 / 1/step]
6-830-004	Ring Binding 0 to 50 (Initial: 0)	*CTL	[0 to 50 / 0 / 1/step]

6890	[Function Enabled]		
6-890-001	Z-Fold 0: No Punch 1: Punching OK	*CTL	[0 or 1 / 1 / 1/step] 0: Simultaneous use forbidden 1: Simultaneous use allowed

6-890-002	Staple 0: No Shift 1: Shift OK	*CTL	[0 or 1 / 0 / 1/step] 0: Simultaneous use forbidden 1: Simultaneous use allowed
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Group 7000 (1/5)

SP7-001 to -519 (Data Log)

7001	[Engine Drive Distance Counter]		
	Displays the engine drive distance counter.		
7-001-001	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-001-002	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]

7401	[Total SC]		
	Displays the number of SC codes detected.		
7-401-001	SC Counter	*CTL	[00000 to 65535 / 0 / 1/step]
7-401-002	Total SC Counter	*CTL	[00000 to 65535 / 0 / 1/step]

7403	[SC History]		
	<p>Logs the SC codes detected.</p> <p>The 10 most recently detected SC Codes are not displayed on the screen, but can be seen on the SMC (logging) outputs.</p>		
7-403-001	Latest	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-002	Latest 1	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-003	Latest 2	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-004	Latest 3	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-005	Latest 4	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-006	Latest 5	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-007	Latest 6	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-008	Latest 7	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-009	Latest 8	*CTL	[00000 to 65535 / 0 / 1/step]
7-403-010	Latest 9	*CTL	[00000 to 65535 / 0 / 1/step]

7404	[SC990 / SC991 History]		
	<p>Logs the SC991 detected.</p> <p>The 10 most recently detected SC991 are not displayed on the screen, but can be seen on the SMC (logging) outputs.</p> <p>Note</p> <ul style="list-style-type: none"> If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs. 		
7-404-001	Latest	*CTL	[- / - / -]
7-404-002	Latest 1	*CTL	[- / - / -]
7-404-003	Latest 2	*CTL	[- / - / -]
7-404-004	Latest 3	*CTL	[- / - / -]
7-404-005	Latest 4	*CTL	[- / - / -]
7-404-006	Latest 5	*CTL	[- / - / -]
7-404-007	Latest 6	*CTL	[- / - / -]
7-404-008	Latest 7	*CTL	[- / - / -]
7-404-009	Latest 8	*CTL	[- / - / -]
7-404-010	Latest 9	*CTL	[- / - / -]

7502	[Total Paper Jam]		
	Displays the total number of jams detected.		
7-502-001	Jam Counter	*CTL	[00000 to 65535 / 0 / 1/step]
7-502-002	Total Jam Counter	*CTL	[00000 to 65535 / 0 / 1/step]

7504	[Paper Jam Location]		
	Displays the number of jams according to the location where jams were detected.		
7-504-001	At Power On	*CTL	[0000 to 9999 / - / 1/step]
7-504-002	Paper Feed Sensor: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-003	Paper Feed Sensor: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-006	Bypass Paper Feed Sensor	*CTL	[0000 to 9999 / - / 1/step]

7-504-007	Bypass Paper Transport Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-009	Vertical Transport Sn 1: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-010	Vertical Transport Sn 2: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-011	Vertical Transport Sn 1: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-012	Vertical Transport Sn 2: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-013	Paper Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-504-014	Paper Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-015	Paper Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-504-017	Paper Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-504-018	Paper Transport Sensor5	*CTL	[0000 to 9999 / - / 1/step]
7-504-019	Paper Transport Sensor6	*CTL	[0000 to 9999 / - / 1/step]
7-504-020	Paper Transport Sensor7	*CTL	[0000 to 9999 / - / 1/step]
7-504-021	Regist Entrance Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-504-022	Regist Entrance Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-023	Regist Entrance Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-504-025	LCT Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-026	Registration Timing Sensor: Lag Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-027	Regist Correction Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-028	Regist Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-029	Transfer Timing Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-030	Separation Jam	*CTL	[0000 to 9999 / - / 1/step]
7-504-031	PTB Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-504-032	PTB Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-033	PTB Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]

7-504-034	PTB Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-504-036	Fusing Unit Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-038	Decurler Entrance Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-039	Decurler Exit Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-040	Paper Exit Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-041	Duplex Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-042	Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-044	Duplex Transport Sensor 1: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-045	Duplex Transport Sensor 2: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-047	SubScan Regist Correct Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-048	No Sensor-On Detection	*CTL	[0000 to 9999 / - / 1/step]
7-504-052	Paper Feed Sensor: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-053	Paper Feed Sensor: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-056	Bypass Paper Feed Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-057	Bypass Paper Transport Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-059	Vertical Transport Sn 1: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-060	Vertical Transport Sn 2: T1	*CTL	[0000 to 9999 / - / 1/step]
7-504-061	Vertical Transport Sn 1: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-062	Vertical Transport Sn 2: T2	*CTL	[0000 to 9999 / - / 1/step]
7-504-064	Paper Transport Sensor 1	*CTL	[0000 to 9999 / - / 1/step]
7-504-065	Paper Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-066	Paper Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-504-067	Paper Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]

7-504-068	Paper Transport Sensor5	*CTL	[0000 to 9999 / - / 1/step]
7-504-069	Paper Transport Sensor6	*CTL	[0000 to 9999 / - / 1/step]
7-504-070	Paper Transport Sensor7	*CTL	[0000 to 9999 / - / 1/step]
7-504-071	Regist Entrance Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-504-072	Regist Entrance Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-073	Regist Entrance Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-504-075	LCT Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-076	Registration Timing Sensor: Lag Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-078	Regist Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-079	Transfer Timing Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-081	PTB Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-504-082	PTB Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-504-083	PTB Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-504-084	PTB Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-504-086	Fusing Unit Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-088	Decurler Entrance Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-089	Decurler Exit Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-090	Paper Exit Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-091	Duplex Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-092	Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-094	Duplex Transport Sensor 1: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-095	Duplex Transport Sensor 2: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-097	Over Skew	*CTL	[0000 to 9999 / - / 1/step]

7-504-098	Over Shift	*CTL	[0000 to 9999 / - / 1/step]
7-504-099	Double-Feed	*CTL	[0000 to 9999 / - / 1/step]
7-504-100	FIN:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-504-101	FIN:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-102	FIN:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-504-103	FIN:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-104	FIN:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-105	FIN:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-106	FIN:Proof Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-107	FIN:Proof Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-108	FIN:Shift Tray Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-109	FIN:Shift Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-110	FIN:Staple tray Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-111	FIN:Staple tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-112	FIN:Staple Tray Paper Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-113	FIN:Staple Tray Paper Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-114	FIN:Belt Feed Out Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-504-115	FIN:Booklet Stapler Exit (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-116	FIN:Booklet Stapler Exit (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-117	FIN:Booklet Stapler Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]

7-504-118	FIN:Booklet Stapler Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-119	FIN:Transport	*CTL	[0000 to 9999 / - / 1/step]
7-504-120	FIN:Shift Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-121	FIN:Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-122	FIN:Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-123	FIN:Staple Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-124	FIN:Stack Feed Out Belt Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-125	FIN:Punch Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-126	FIN:Jogger	*CTL	[0000 to 9999 / - / 1/step]
7-504-127	FIN:Pre-stack Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-128	FIN:Stack Transport	*CTL	[0000 to 9999 / - / 1/step]
7-504-129	FIN:Booklet	*CTL	[0000 to 9999 / - / 1/step]
7-504-130	FIN:Folder	*CTL	[0000 to 9999 / - / 1/step]
7-504-150	Interposer:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-504-151	Interposer:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-152	Interposer:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-504-153	Interposer:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-154	Interposer:1st Paper Feed Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-155	Interposer:1st Paper Feed Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-156	Interposer:2nd Paper Feed Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-157	Interposer:2nd Paper Feed Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]

7-504-158	Interposer: 1st Pullout Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-159	Interposer: 1st Pullout Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-160	Interposer: 2st Pullout Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-161	Interposer: 2st Pullout Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-162	Interposer: 1st Vertical Trans Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-163	Interposer: 1st Vertical Trans Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-164	Interposer: 2nd Vertical Trans Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-165	Interposer: 2nd Vertical Trans Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-166	Interposer: Paper Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-167	Interposer: Paper Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-168	Interposer: Entrance Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-169	Interposer: Entrance Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-170	Interposer: Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-171	Interposer: Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-172	Interposer: Set Timing Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-173	Interposer: 1st Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-174	Interposer: 2nd Lift Motor	*CTL	[0000 to 9999 / - / 1/step]

7-504-175	Interposer:1st Pick-up Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-176	Interposer:2nd Pick-up Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-194	Plockmatic:Book Binder Jam	*CTL	[0000 to 9999 / - / 1/step]
7-504-199	GBC: Punch Unit	*CTL	[0000 to 9999 / - / 1/step]
7-504-200	Trimmer:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-504-201	Trimmer:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-202	Trimmer:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-504-203	Trimmer:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-204	Trimmer:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-205	Trimmer:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-206	Trimmer:Skew Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-207	Trimmer:Skew Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-208	Trimmer:Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-209	Trimmer:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-504-210	Trimmer:Cutter Motor Lock	*CTL	[0000 to 9999 / - / 1/step]
7-504-211	Trimmer:Cut Position Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-212	Trimmer:Press Roller	*CTL	[0000 to 9999 / - / 1/step]
7-504-213	Trimmer:Press Stopper Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-214	Trimmer:Tray Motor	*CTL	[0000 to 9999 / - / 1/step]
7-504-220	Interface Box:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]

7-504-221	Interface Box:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-504-222	Interface Box:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-223	Interface Box:DFD Jam	*CTL	[0000 to 9999 / - / 1/step]
7-504-224	Interface Box:Emergency Stop Jam	*CTL	[0000 to 9999 / - / 1/step]
7-504-225	Interface Box:DFD Communication Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-250	Folder:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-504-251	Folder:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-252	Folder:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-504-253	Folder:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-504-254	Folder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-504-255	Folder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]

7506	[Jam Count by Paper Size]		
	Displays the number of jams according to the paper size.		
7-506-005	A4 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-006	A5 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-014	B5 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-038	LT LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-044	HLT LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-132	A3 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-133	A4 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-134	A5 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-141	B4 SEF	*CTL	[0000 to 9999 / 0 / 1/step]

7-506-142	B5 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-160	DLT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-164	LG SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-166	LT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-172	HLT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-506-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7507	<p>[Plotter Jam History]</p> <p>Displays the copy jam history (the most recent 10 jams)</p> <p>Sample Display:</p> <p>CODE:007</p> <p>SIZE:05h</p> <p>TOTAL:0000334</p> <p>DATE:Mon Mar 15 11:44:50 2000</p> <p>where:</p> <p>CODE is the SP7504-* number (see above).</p> <p>SIZE is the ASAP paper size code in hex.</p> <p>TOTAL is the total jam error count</p> <p>DATE is the date the jams occurred.</p>		
7-507-001	Latest	*CTL	[- / - / -]
7-507-002	Latest 1	*CTL	[- / - / -]
7-507-003	Latest 2	*CTL	[- / - / -]
7-507-004	Latest 3	*CTL	[- / - / -]
7-507-005	Latest 4	*CTL	[- / - / -]
7-507-006	Latest 5	*CTL	[- / - / -]
7-507-007	Latest 6	*CTL	[- / - / -]
7-507-008	Latest 7	*CTL	[- / - / -]
7-507-009	Latest 8	*CTL	[- / - / -]

7-507-010	Latest 9	*CTL	[- / - / -]
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Paper Size Hex Codes

These codes are displayed by SP7507.

Size	Code	Size	Code	Size	Code
A4 (S)	05	A3 (L)	84	DLT (L)	A0
A5 (S)	06	A4 (L)	85	LG (L)	A4
B5 (S)	0E	A5 (L)	86	LT (L)	A6
LT (S)	26	B4 (L)	8D	HLT (L)	AC
HLT (S)	2C	B5 (L)	8E	Others	FF

7509	[Paper Jam Location]		
	Displays the total number of jams according to the location where jams were detected.		
7-509-001	Folder:Top Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-002	Folder:Top Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-003	Folder:Horizontal Path Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-004	Folder:Horizontal Path Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-005	Folder:1st Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-006	Folder:1st Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-007	Folder:2nd Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-008	Folder:2nd Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-009	Folder:3rd Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-010	Folder:3rd Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-011	Folder:Registration Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-012	Folder:Top Tray Paper Path Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-013	Folder:Entrance JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-014	Folder:Stopper 1 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-015	Folder:Stopper 2 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-016	Folder:Stopper 3 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-017	Folder:Dynamic Roller Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-018	Folder:Regist. Roller Release Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-019	Folder:Fold Plate Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-020	Folder:Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-021	Folder:Direct Send JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-022	Folder:FM6 JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-025	Buffer:Transport Sensor 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-026	Buffer:Transport Sensor 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-027	Buffer:Transport Sensor 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-028	Buffer:Transport Sensor 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-029	Buffer:Transport Sensor 3 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-030	Buffer:Transport Sensor 3 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-031	Buffer:Transport Sensor 4 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-032	Buffer:Transport Sensor 4 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-033	Buffer:Transport Sensor 5 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-034	Buffer:Transport Sensor 5 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-035	Buffer:Transport Sensor 6 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-036	Buffer:Transport Sensor 6 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-037	Buffer:Transport Sensor 7 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-038	Buffer:Transport Sensor 7 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-039	Buffer:Transport Sensor 8 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-040	Buffer:Transport Sensor 8 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-041	Buffer:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-042	Buffer:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-043	Buffer:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-044	Buffer:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-045	Stacker1:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-046	Stacker1:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-047	Stacker1:Proof Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-048	Stacker1:Proof Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-049	Stacker1:Stack Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-050	Stacker1:Stack Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-051	Stacker1:Relay Path Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-052	Stacker1:Relay Path Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-053	Stacker1:Exit Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-054	Stacker1:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-055	Stacker1:Shift Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-056	Stacker1:Proof Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-057	Stacker1:Shift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-058	Stacker1:Main Jog. Front Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-059	Stacker1:Main Jog. Rear Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-060	Stacker1:Main Jog. Fence Retraction Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-061	Stacker1:Sub Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-062	Stacker1:LE Stopper Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-063	Stacker1:Tray Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-064	Stacker1:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-065	Stacker1:Job Data Error	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-066	Stacker1:Unusable Paper	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-067	Stacker1:Internal Error	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-070	Stacker2:Entrance Sensor (Late)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-071	Stacker2:Entrance Sensor (Stay on)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-072	Stacker2:Proof Tray Exit Sn (Late)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-073	Stacker2:Proof Tray Exit Sn (Stay on)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-074	Stacker2:Stack Tray Exit Sn (Late)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-075	Stacker2:Stack Tray Exit Sn (Stay on)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-076	Stacker2:Relay Path Sensor (Late)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-077	Stacker2:Relay Path Sensor (Stay on)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-078	Stacker2:Exit Sensor (Late)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-079	Stacker2:Exit Sensor (Stay on)	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-080	Stacker2:Shift Tray JG Motor	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-081	Stacker2:Proof Tray JG Motor	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-082	Stacker2:Shift Motor	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-083	Stacker2:Main Jog. Front Fence Motor	* CTL	[0000 to 9999 / 0 / 1/step]
7-509-084	Stacker2:Main Jog. Rear Fence Motor	* CTL	[0000 to 9999 / 0 / 1/step]

7-509-085	Stacker2:Main Jog. Fence Retraction Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-086	Stacker2:Sub Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-087	Stacker2:LE Stopper Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-088	Stacker2:Tray Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-089	Stacker2:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-090	Stacker2:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-091	Stacker2:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-092	Stacker2:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-095	R-Binder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-096	R-Binder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-097	R-Binder:Transport Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-098	R-Binder:Transport Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-099	R-Binder:Exit Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-100	R-Binder:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-101	R-Binder:Pre-Punch Reference Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-102	R-Binder:Post-Punch Reference Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-103	R-Binder:Paper LE Detect Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-104	R-Binder:Paper LE Detect Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-105	R-Binder:Rings Reversed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-106	R-Binder:Binder Unit HP Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-107	R-Binder:Output Unit Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-108	R-Binder:Book Pass Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-109	R-Binder:Stack Height Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-110	R-Binder:Punch Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-111	R-Binder:Shutter Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-112	R-Binder:Alignment Pin Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-113	R-Binder:Paper Jog Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-114	R-Binder:Alignment Pin Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-115	R-Binder:Clamp Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-116	R-Binder:50/100 Clamp Adjust Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-117	R-Binder:Output Belt Rotation Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-118	R-Binder:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-119	R-Binder:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-120	R-Binder:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-121	R-Binder:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-125	P-Binder:Horizontal Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-126	P-Binder:Horizontal Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-127	P-Binder:Cover Regist. Sn: SB (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-128	P-Binder:Cover Regist. Sn: SB (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-129	P-Binder:Cover Hori. Sn:Small (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-130	P-Binder:Cover Hori. Sn:Small (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-131	P-Binder:Cover Hori. Sn:Large (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-132	P-Binder:Cover Hori. Sn:Large (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-133	P-Binder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-134	P-Binder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-135	P-Binder:Signature Path Sn 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-136	P-Binder:Signature Path Sn 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-137	P-Binder:Signature Path Sn 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-138	P-Binder:Signature Path Sn 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-139	P-Binder:Timing Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-140	P-Binder:Timing Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-141	P-Binder:Tray Empty Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-142	P-Binder:Tray Empty Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-143	P-Binder:Sub Grip Signature Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-144	P-Binder:Cover Path Sensor 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-145	P-Binder:Cover Path Sensor 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-146	P-Binder:Cover Path Sensor 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-147	P-Binder:Cover Path Sensor 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-148	P-Binder:Cover Registration Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-149	P-Binder:Cover Registration Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-150	P-Binder:Paper Size Mismatch	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-151	P-Binder:Cover Size Short	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-152	P-Binder:Trim Width Over	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-153	P-Binder:Finish Size Over	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-154	P-Binder:Inserter Paper Size Mismatch	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-155	P-Binder:Vertical Transport Sn 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-156	P-Binder:Vertical Transport Sn 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-157	P-Binder:Paper Feed Sn: U-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-158	P-Binder:Paper Feed Sn: U-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-159	P-Binder:Paper Feed Sn: L-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-160	P-Binder:Paper Feed Sn: L-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-161	P-Binder:Regist. Sn: U-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-162	P-Binder:Regist. Sn: U-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-163	P-Binder:Regist. Sn: L-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-164	P-Binder:Regist. Sn: L-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-165	P-Binder:Inserter Transport Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-166	P-Binder:Inserter Transport Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-167	P-Binder:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-168	P-Binder:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-169	P-Binder:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-170	P-Binder:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-175	LCT1:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-176	LCT1:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-177	LCT1:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-178	LCT1:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-179	LCT1:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-180	LCT1:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-181	LCT1:Bypass:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-182	LCT1:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-183	LCT1:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-184	LCT1:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-185	LCT1:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-186	LCT1:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-187	LCT1:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-190	LCT2:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-191	LCT2:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-192	LCT2:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-193	LCT2:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-194	LCT2:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-195	LCT2:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-197	LCT2:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-198	LCT2:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-199	LCT2:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-200	LCT2:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-201	LCT2:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-202	LCT2:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-205	LCT3:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-206	LCT3:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-207	LCT3:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-208	LCT3:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-209	LCT3:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-210	LCT3:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-212	LCT3:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-215	LCT1:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-216	LCT1:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-217	LCT1:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-218	LCT1:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-219	LCT1:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-220	LCT1:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-221	LCT1:Bypass:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-222	LCT1:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-223	LCT1:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-224	LCT1:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-225	LCT1:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-226	LCT1:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-227	LCT1:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-230	LCT2:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-231	LCT2:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-232	LCT2:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-233	LCT2:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-234	LCT2:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-235	LCT2:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-237	LCT2:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-238	LCT2:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-239	LCT2:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-240	LCT2:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-241	LCT2:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]

7-509-242	LCT2:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-245	LCT3:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-246	LCT3:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-247	LCT3:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-248	LCT3:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-249	LCT3:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-250	LCT3:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-252	LCT3:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-509-255	Finisher:No Response at Paper Exit	*CTL	[0000 to 9999 / 0 / 1/step]

7514	[Paper Jam Count by Location] Displays the total number of jams according to the location where jams were detected.		
7-514-001	At Power On	*CTL	[0000 to 9999 / - / 1/step]
7-514-002	Paper Feed Sensor: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-003	Paper Feed Sensor: T2	*CTL	[0000 to 9999 / - / 1/step]
7-514-006	Bypass Paper Feed Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-007	Bypass Paper Transport Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-009	Vertical Transport Sn 1: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-010	Vertical Transport Sn 2: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-011	Vertical Transport Sn 1: T2	*CTL	[0000 to 9999 / - / 1/step]
7-514-012	Vertical Transport Sn 2: T2	*CTL	[0000 to 9999 / - / 1/step]

7-514-014	Paper Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-514-015	Paper Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-514-016	Paper Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-017	Paper Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-514-018	Paper Transport Sensor5	*CTL	[0000 to 9999 / - / 1/step]
7-514-019	Paper Transport Sensor6	*CTL	[0000 to 9999 / - / 1/step]
7-514-020	Paper Transport Sensor7	*CTL	[0000 to 9999 / - / 1/step]
7-514-021	Regist Entrance Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-514-022	Regist Entrance Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-514-023	Regist Entrance Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-025	LCT Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-026	Registration Timing Sensor: Lag Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-027	Regist Correction Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-028	Regist Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-029	Transfer Timing Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-030	Separation Jam	*CTL	[0000 to 9999 / - / 1/step]
7-514-031	PTB Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-514-032	PTB Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-514-033	PTB Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-034	PTB Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-514-036	Fusing Unit Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-038	Decurler Entrance Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-039	Decurler Exit Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-040	Paper Exit Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]

7-514-041	Duplex Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-042	Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-044	Duplex Transport Sensor 1: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-045	Duplex Transport Sensor 2: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-047	SubScan Regist Correct Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-048	No Sensor-On Detection	*CTL	[0000 to 9999 / - / 1/step]
7-514-052	Paper Feed Sensor: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-053	Paper Feed Sensor: T2	*CTL	[0000 to 9999 / - / 1/step]
7-514-056	Bypass Paper Feed Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-057	Bypass Paper Transport Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-059	Vertical Transport Sn 1: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-060	Vertical Transport Sn 2: T1	*CTL	[0000 to 9999 / - / 1/step]
7-514-061	Vertical Transport Sn 1: T2	*CTL	[0000 to 9999 / - / 1/step]
7-514-062	Vertical Transport Sn 2: T2	*CTL	[0000 to 9999 / - / 1/step]
7-514-064	Paper Transport Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-514-065	Paper Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-514-066	Paper Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-067	Paper Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-514-068	Paper Transport Sensor5	*CTL	[0000 to 9999 / - / 1/step]
7-514-069	Paper Transport Sensor6	*CTL	[0000 to 9999 / - / 1/step]
7-514-070	Paper Transport Sensor7	*CTL	[0000 to 9999 / - / 1/step]
7-514-071	Regist Entrance Sensor1	*CTL	[0000 to 9999 / - / 1/step]
7-514-072	Regist Entrance Sensor2	*CTL	[0000 to 9999 / - / 1/step]

7-514-073	Regist Entrance Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-075	LCT Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-076	Registration Timing Sensor: Lag Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-078	Regist Relay Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-079	Transfer Timing Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-081	PTB Transport Sensor 1	*CTL	[0000 to 9999 / - / 1/step]
7-514-082	PTB Transport Sensor2	*CTL	[0000 to 9999 / - / 1/step]
7-514-083	PTB Transport Sensor3	*CTL	[0000 to 9999 / - / 1/step]
7-514-084	PTB Transport Sensor4	*CTL	[0000 to 9999 / - / 1/step]
7-514-086	Fusing Unit Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-088	Decurler Entrance Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-089	Decurler Exit Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-090	Paper Exit Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-091	Duplex Inverter Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-092	Exit Sensor: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-094	Duplex Transport Sensor 1: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-095	Duplex Transport Sensor 2: Late Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-097	Over Skew	*CTL	[0000 to 9999 / - / 1/step]
7-514-098	Over Shift	*CTL	[0000 to 9999 / - / 1/step]
7-514-099	Double-Feed	*CTL	[0000 to 9999 / - / 1/step]
7-514-100	FIN:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-514-101	FIN:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-102	FIN:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]

7-514-103	FIN:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-104	FIN:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-105	FIN:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-106	FIN:Proof Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-107	FIN:Proof Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-108	FIN:Shift Tray Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-109	FIN:Shift Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-110	FIN:Staple tray Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-111	FIN:Staple tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-112	FIN:Staple Tray Paper Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-113	FIN:Staple Tray Paper Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-114	FIN:Belt Feed Out Sensor	*CTL	[0000 to 9999 / - / 1/step]
7-514-115	FIN:Booklet Stapler Exit (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-116	FIN:Booklet Stapler Exit (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-117	FIN:Booklet Stapler Exit Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-118	FIN:Booklet Stapler Exit Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-119	FIN:Transport	*CTL	[0000 to 9999 / - / 1/step]
7-514-120	FIN:Shift Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]

7-514-121	FIN:Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-122	FIN:Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-123	FIN:Staple Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-124	FIN:Stack Feed Out Belt Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-125	FIN:Punch Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-126	FIN:Jogger	*CTL	[0000 to 9999 / - / 1/step]
7-514-127	FIN:Pre-stack Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-128	FIN:Stack Transport	*CTL	[0000 to 9999 / - / 1/step]
7-514-129	FIN:Booklet	*CTL	[0000 to 9999 / - / 1/step]
7-514-130	FIN:Folder	*CTL	[0000 to 9999 / - / 1/step]
7-514-150	Interposer:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-514-151	Interposer:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-152	Interposer:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-514-153	Interposer:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-154	Interposer:1st Paper Feed Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-155	Interposer:1st Paper Feed Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-156	Interposer:2nd Paper Feed Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-157	Interposer:2nd Paper Feed Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-158	Interposer:1st Pullout Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-159	Interposer:1st Pullout Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]

7-514-160	Interposer:2st Pullout Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-161	Interposer:2st Pullout Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-162	Interposer:1st Vertical Trans Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-163	Interposer:1st Vertical Trans Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-164	Interposer:2nd Vertical Trans Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-165	Interposer:2nd Vertical Trans Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-166	Interposer:Paper Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-167	Interposer:Paper Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-168	Interposer:Entrance Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-169	Interposer:Entrance Sn (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-170	Interposer:Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-171	Interposer:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-172	Interposer:Set Timing Sn (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-173	Interposer:1st Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-174	Interposer:2nd Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-175	Interposer:1st Pick-up Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-176	Interposer:2nd Pick-up Motor	*CTL	[0000 to 9999 / - / 1/step]

7-514-194	Plockmatic:Book Binder Jam	*CTL	[0000 to 9999 / - / 1/step]
7-514-199	GBC: Punch Unit	*CTL	[0000 to 9999 / - / 1/step]
7-514-200	Trimmer:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-514-201	Trimmer:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-202	Trimmer:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-514-203	Trimmer:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-204	Trimmer:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-205	Trimmer:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-206	Trimmer:Skew Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-207	Trimmer:Skew Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-208	Trimmer:Exit Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-209	Trimmer:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]
7-514-210	Trimmer:Cutter Motor Lock	*CTL	[0000 to 9999 / - / 1/step]
7-514-211	Trimmer:Cut Position Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-212	Trimmer:Press Roller	*CTL	[0000 to 9999 / - / 1/step]
7-514-213	Trimmer:Press Stopper Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-214	Trimmer:Tray Motor	*CTL	[0000 to 9999 / - / 1/step]
7-514-220	Interface Box:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-221	Interface Box:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]

7-514-222	Interface Box:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-223	Interface Box:DFD Jam	*CTL	[0000 to 9999 / - / 1/step]
7-514-224	Interface Box:Emergency Stop Jam	*CTL	[0000 to 9999 / - / 1/step]
7-514-225	Interface Box:DFD Communication Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-250	Folder:Door Open	*CTL	[0000 to 9999 / - / 1/step]
7-514-251	Folder:Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-252	Folder:Unusable Paper	*CTL	[0000 to 9999 / - / 1/step]
7-514-253	Folder:Internal Error	*CTL	[0000 to 9999 / - / 1/step]
7-514-254	Folder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / - / 1/step]
7-514-255	Folder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / - / 1/step]

7516	[Jam Paper Size Cnt] Displays the number of jams according to the paper size.		
7-516-005	A4 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-006	A5 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-014	B5 LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-038	LT LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-044	HLT LEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-132	A3 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-133	A4 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-134	A5 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-141	B4 SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-142	B5 SEF	*CTL	[0000 to 9999 / 0 / 1/step]

7-516-160	DLT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-164	LG SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-166	LT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-172	HLT SEF	*CTL	[0000 to 9999 / 0 / 1/step]
7-516-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7519	[Paper Jam Count by Location] Displays the total number of jams according to the location where jams were detected.		
7-519-001	Folder:Top Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-002	Folder:Top Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-003	Folder:Horizontal Path Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-004	Folder:Horizontal Path Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-005	Folder:1st Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-006	Folder:1st Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-007	Folder:2nd Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-008	Folder:2nd Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-009	Folder:3rd Stopper Paper Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-010	Folder:3rd Stopper Paper Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-011	Folder:Registration Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-012	Folder:Top Tray Paper Path Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-013	Folder:Entrance JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-014	Folder:Stopper 1 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-015	Folder:Stopper 2 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-016	Folder:Stopper 3 Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-017	Folder:Dynamic Roller Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-018	Folder:Regist. Roller Release Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-019	Folder:Fold Plate Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-020	Folder:Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-021	Folder:Direct Send JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-022	Folder:FM6 JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-025	Buffer:Transport Sensor 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-026	Buffer:Transport Sensor 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-027	Buffer:Transport Sensor 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-028	Buffer:Transport Sensor 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-029	Buffer:Transport Sensor 3 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-030	Buffer:Transport Sensor 3 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-031	Buffer:Transport Sensor 4 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-032	Buffer:Transport Sensor 4 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-033	Buffer:Transport Sensor 5 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-034	Buffer:Transport Sensor 5 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-035	Buffer:Transport Sensor 6 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-036	Buffer:Transport Sensor 6 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-037	Buffer:Transport Sensor 7 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-038	Buffer:Transport Sensor 7 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-039	Buffer:Transport Sensor 8 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-040	Buffer:Transport Sensor 8 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-041	Buffer:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-042	Buffer:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-043	Buffer:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-044	Buffer:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-045	Stacker 1:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-046	Stacker 1:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-047	Stacker 1:Proof Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-048	Stacker 1:Proof Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-049	Stacker1:Stack Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-050	Stacker1:Stack Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-051	Stacker1:Relay Path Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-052	Stacker1:Relay Path Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-053	Stacker1:Exit Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-054	Stacker1:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-055	Stacker1:Shift Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-056	Stacker1:Proof Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-057	Stacker1:Shift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-058	Stacker1:Main Jog. Front Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-059	Stacker1:Main Jog. Rear Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-060	Stacker1:Main Jog. Fence Retraction Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-061	Stacker1:Sub Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-062	Stacker1:LE Stopper Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-063	Stacker1:Tray Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-064	Stacker1:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-065	Stacker1:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-066	Stacker1:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-067	Stacker1:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-070	Stacker2:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-071	Stacker2:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-072	Stacker2:Proof Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-073	Stacker2:Proof Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-074	Stacker2:Stack Tray Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-075	Stacker2:Stack Tray Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-076	Stacker2:Relay Path Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-077	Stacker2:Relay Path Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-078	Stacker2:Exit Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-079	Stacker2:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-080	Stacker2:Shift Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-081	Stacker2:Proof Tray JG Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-082	Stacker2:Shift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-083	Stacker2:Main Jog. Front Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-084	Stacker2:Main Jog. Rear Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-085	Stacker2:Main Jog. Fence Retraction Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-086	Stacker2:Sub Jogger Fence Motor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-087	Stacker2:LE Stopper Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-088	Stacker2:Tray Lift Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-089	Stacker2:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-090	Stacker2:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-091	Stacker2:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-092	Stacker2:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-095	R-Binder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-096	R-Binder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-097	R-Binder:Transport Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-098	R-Binder:Transport Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-099	R-Binder:Exit Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-100	R-Binder:Exit Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-101	R-Binder:Pre-Punch Reference Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-102	R-Binder:Post-Punch Reference Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-103	R-Binder:Paper LE Detect Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-104	R-Binder:Paper LE Detect Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-105	R-Binder:Rings Reversed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-106	R-Binder:Binder Unit HP Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-107	R-Binder:Output Unit Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-108	R-Binder:Book Pass Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-109	R-Binder:Stack Height Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-110	R-Binder:Punch Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-111	R-Binder:Shutter Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-112	R-Binder:Alignment Pin Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-113	R-Binder:Paper Jog Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-114	R-Binder:Alignment Pin Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-115	R-Binder:Clamp Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-116	R-Binder:50/100 Clamp Adjust Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-117	R-Binder:Output Belt Rotation Motor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-118	R-Binder:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-119	R-Binder:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-120	R-Binder:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-121	R-Binder:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-125	P-Binder:Horizontal Exit Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-126	P-Binder:Horizontal Exit Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-127	P-Binder:Cover Regist. Sn: SB (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-128	P-Binder:Cover Regist. Sn: SB (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-129	P-Binder:Cover Hori. Sn:Small (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-130	P-Binder:Cover Hori. Sn:Small (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-131	P-Binder:Cover Hori. Sn:Large (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-132	P-Binder:Cover Hori. Sn:Large (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-133	P-Binder:Entrance Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-134	P-Binder:Entrance Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-135	P-Binder:Signature Path Sn 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-136	P-Binder:Signature Path Sn 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-137	P-Binder:Signature Path Sn 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-138	P-Binder:Signature Path Sn 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-139	P-Binder:Timing Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-140	P-Binder:Timing Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-141	P-Binder:Tray Empty Sensor (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-142	P-Binder:Tray Empty Sensor (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-143	P-Binder:Sub Grip Signature Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-144	P-Binder:Cover Path Sensor 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-145	P-Binder:Cover Path Sensor 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-146	P-Binder:Cover Path Sensor 2 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-147	P-Binder:Cover Path Sensor 2 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-148	P-Binder:Cover Registration Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-149	P-Binder:Cover Registration Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-150	P-Binder:Paper Size Mismatch	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-151	P-Binder:Cover Size Short	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-152	P-Binder:Trim Width Over	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-153	P-Binder:Finish Size Over	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-154	P-Binder:Inserter Paper Size Mismatch	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-155	P-Binder:Vertical Transport Sn 1 (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-156	P-Binder:Vertical Transport Sn 1 (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-157	P-Binder:Paper Feed Sn: U-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-158	P-Binder:Paper Feed Sn: U-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-159	P-Binder:Paper Feed Sn: L-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-160	P-Binder:Paper Feed Sn: L-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-161	P-Binder:Regist. Sn: U-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-162	P-Binder:Regist. Sn: U-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-163	P-Binder:Regist. Sn: L-Tray (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-164	P-Binder:Regist. Sn: L-Tray (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-165	P-Binder:Inserter Transport Sn (Late)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-166	P-Binder:Inserter Transport Sn (Stay on)	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-167	P-Binder:Door Open	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-168	P-Binder:Job Data Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-169	P-Binder:Unusable Paper	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-170	P-Binder:Internal Error	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-175	LCT1:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-176	LCT1:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-177	LCT1:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-178	LCT1:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-179	LCT1:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-180	LCT1:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-181	LCT1:Bypass:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-182	LCT1:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-183	LCT1:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-184	LCT1:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-185	LCT1:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-186	LCT1:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-187	LCT1:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-190	LCT2:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-191	LCT2:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-192	LCT2:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-193	LCT2:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-194	LCT2:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-195	LCT2:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-197	LCT2:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-198	LCT2:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-199	LCT2:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-200	LCT2:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-201	LCT2:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-202	LCT2:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-205	LCT3:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-206	LCT3:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-207	LCT3:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-208	LCT3:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-209	LCT3:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-210	LCT3:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-212	LCT3:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-215	LCT1:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-216	LCT1:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-217	LCT1:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-218	LCT1:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-219	LCT1:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-220	LCT1:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-221	LCT1:Bypass:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-222	LCT1:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-223	LCT1:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-224	LCT1:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-225	LCT1:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-226	LCT1:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-227	LCT1:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-230	LCT2:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-231	LCT2:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-232	LCT2:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-233	LCT2:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-234	LCT2:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-235	LCT2:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-237	LCT2:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-238	LCT2:Relay Unit:Entrance Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-239	LCT2:Relay Unit:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-240	LCT2:Relay Unit:Hori. Trans. Entrance Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-241	LCT2:Relay Unit:Hori. Trans. Relay Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-242	LCT2:Relay Unit:Hori. Trans. Exit Sn	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-245	LCT3:U-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]

7-519-246	LCT3:L-Tray:Paper Feed Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-247	LCT3:U-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-248	LCT3:L-Tray:Paper Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-249	LCT3:U-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-250	LCT3:L-Tray:Vertical Transport Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-252	LCT3:Exit Sensor	*CTL	[0000 to 9999 / 0 / 1/step]
7-519-255	Finisher:No Response at Paper Exit	*CTL	[0000 to 9999 / 0 / 1/step]

Group 7000 (2/5)

SP7-520 to -624 (Data Log)

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7520	[Update Log]		
	Displays error history of firmware update in the past 10 times. [-001] is the latest error history, and [-010] is the most old error history.		
7-520-001	ErrorRecord1	*CTL	[1 to 255 / 0 / 1/step]
7-520-002	ErrorRecord2	*CTL	[1 to 255 / 0 / 1/step]
7-520-003	ErrorRecord3	*CTL	[1 to 255 / 0 / 1/step]
7-520-004	ErrorRecord4	*CTL	[1 to 255 / 0 / 1/step]
7-520-005	ErrorRecord5	*CTL	[1 to 255 / 0 / 1/step]
7-520-006	ErrorRecord6	*CTL	[1 to 255 / 0 / 1/step]
7-520-007	ErrorRecord7	*CTL	[1 to 255 / 0 / 1/step]
7-520-008	ErrorRecord8	*CTL	[1 to 255 / 0 / 1/step]
7-520-009	ErrorRecord9	*CTL	[1 to 255 / 0 / 1/step]
7-520-010	ErrorRecord10	*CTL	[1 to 255 / 0 / 1/step]

7521	[Paper Kind Jam]		
7-521-001	Normal	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-002	Recycle	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-003	Special	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-004	Tracing	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-005	OHP	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-006	Label	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-007	Bond	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-008	Cardstock	*CTL	[0000 to 9999 / 0 / 1/step]

7-521-009	Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-010	Used	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-011	Film	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-012	Inkpost	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-013	HG Normal	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-014	Envelope	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-015	Photo	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-016	Coating	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-017	Special2	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-018	Special3	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-019	Post	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-020	Glossy Think	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-021	Special4	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-022	Special5	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-023	Special6	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-024	Coating2	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-025	Coating3	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-026	Coating Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-027	Coating Matte	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-028	Water Proof	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-029	Coating High Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-030	Ink Normal	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-031	Tracing Mono	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-032	Tracing Color	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-033	Matte Film	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-034	Coating Cad	*CTL	[0000 to 9999 / 0 / 1/step]

7-521-035	Photo Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-036	Uneven	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-037	Magnet	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-038	Metallic Pearl	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-039	Clear File	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-040	Synthetic	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-041	NCR	*CTL	[0000 to 9999 / 0 / 1/step]
7-521-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7522	[Paper Thick Jam]		
7-522-001	Paper Thick 0	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-002	Paper Thick 1	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-003	Paper Thick 2	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-004	Paper Thick 3	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-005	Paper Thick 4	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-006	Paper Thick 5	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-007	Paper Thick 6	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-008	Paper Thick 7	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-009	Paper Thick 8	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-010	Paper Thick 9	*CTL	[0000 to 9999 / 0 / 1/step]
7-522-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7531	[Paper Kind Jam Count]		
7-531-001	Normal	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-002	Recycle	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-003	Special	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-004	Tracing	*CTL	[0000 to 9999 / 0 / 1/step]

7-531-005	OHP	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-006	Label	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-007	Bond	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-008	Cardstock	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-009	Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-010	Used	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-011	Film	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-012	Inkpost	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-013	HG Normal	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-014	Envelope	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-015	Photo	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-016	Coating	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-017	Special2	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-018	Special3	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-019	Post	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-020	Glossy Think	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-021	Special4	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-022	Special5	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-023	Special6	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-024	Coating2	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-025	Coating3	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-026	Coating Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-027	Coating Matte	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-028	Water Proof	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-029	Coating High Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-030	Ink Normal	*CTL	[0000 to 9999 / 0 / 1/step]

7-531-031	Tracing Mono	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-032	Tracing Color	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-033	Matte Film	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-034	Coating Cad	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-035	Photo Glossy	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-036	Uneven	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-037	Magnet	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-038	Metallic Pearl	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-039	Clear File	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-040	Synthetic	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-041	NCR	*CTL	[0000 to 9999 / 0 / 1/step]
7-531-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7532	[Paper Thick Jam Count]		
7-532-001	Paper Thick 0	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-002	Paper Thick 1	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-003	Paper Thick 2	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-004	Paper Thick 3	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-005	Paper Thick 4	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-006	Paper Thick 5	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-007	Paper Thick 6	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-008	Paper Thick 7	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-009	Paper Thick 8	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-010	Paper Thick 9	*CTL	[0000 to 9999 / 0 / 1/step]
7-532-255	Others	*CTL	[0000 to 9999 / 0 / 1/step]

7617	[PM Parts Counter Display]		
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7-617-001	Normal	*CTL	[0000 to 9999999 / 0 / 1/step]
7-617-002	Df	*CTL	[0000 to 9999999 / 0 / 1/step]

7618	[PM Parts Counter Reset]		
7-618-001	Normal	*CTL	[- / - / -] [Execute] Clears the counter of SP7617-001. Push [Execute] to clear the parts replacement alarm counter for the main machine.
7-618-002	Df	*CTL	[- / - / -] [Execute] Clears the counter of SP7617-002. Push [Execute] to clear the parts replacement alarm counter for the ADF.

7621	[PM Counter]		
	Displays the PM counter.		
7-621-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1/step]

7-621-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-621-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-621-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-621-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-621-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]

7-621-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-621-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-621-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]

7-621-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-621-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-621-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-621-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-621-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-092	ITB Cleaning Unit:Cleaning Roller: 1st	ENG	[0 to 99999999 / 0 / 1/step]
7-621-093	ITB Cleaning Unit:Cleaning Blade: 1st	ENG	[0 to 99999999 / 0 / 1/step]
7-621-094	ITB Cleaning Unit:Collection Roller: 1st	ENG	[0 to 99999999 / 0 / 1/step]
7-621-095	ITB Cleaning Unit:Cleaning Roller: 2nd	ENG	[0 to 99999999 / 0 / 1/step]

7-621-096	ITB Cleaning Unit:Cleaning Blade: 2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-621-097	ITB Cleaning Unit:Collection Roller: 2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-621-098	ITB Cleaning Unit:Cleaning Roller: 3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-621-099	ITB Cleaning Unit:Cleaning Blade: 3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-621-100	ITB Cleaning Unit:Collection Roller: 3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-621-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-621-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-621-112	#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 0 / 1/step]
7-621-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 0 / 1/step]
7-621-118	#Fuser Belt Smoothing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-119	#Fuser Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]

7-621-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-122	#Dust Filter(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-123	#Dust Filter(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-125	#Ozone Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 0 / 1/step]
7-621-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-621-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-621-136	#Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-140	#Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-168	#Bypass Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-621-169	Bypass Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-170	Bypass Tray:Feed Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-171	Bypass Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-172	#Interposer Upper Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-621-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-176	#Interposer Lower Tray	ENG	[0 to 99999999 / 0 / 1/step]

7-621-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-621-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-198	Trimming Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-199	Trimming Catcher	ENG	[0 to 99999999 / 0 / 1/step]
7-621-200	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1/step]
7-621-201	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1/step]
7-621-203	Switchback Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-204	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-205	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1/step]
7-621-206	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-207	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-209	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-210	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-211	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-621-213	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-621-214	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-621-215	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-621-217	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-621-218	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-621-219	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-621-221	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-621-222	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-621-223	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-621-225	Blade Cradle	ENG	[0 to 99999999 / 0 / 1/step]

7-621-226	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1/step]
7-621-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 0 / 1/step]
7-621-228	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-621-229	Jogger Motor	ENG	[0 to 99999999 / 0 / 1/step]
7-621-230	Main Grip Motor	ENG	[0 to 99999999 / 0 / 1/step]
7-621-231	Signature Thickness Sensor	ENG	[0 to 99999999 / 0 / 1/step]
7-621-232	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 0 / 1/step]
7-621-233	Trimmings Buffer Motor	ENG	[0 to 99999999 / 0 / 1/step]
7-621-234	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 0 / 1/step]
7-621-236	Ball Screw Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-621-237	Sign/Stacking Discharger	ENG	[0 to 99999999 / 0 / 1/step]
7-621-238	Horizontal/Reg Discharger	ENG	[0 to 99999999 / 0 / 1/step]
7-621-239	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 0 / 1/step]
7-621-240	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 0 / 1/step]

7622	[Reset]		
	Use this SP to reset PM counters.		
7-622-001	#Development Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-002	Developer(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-003	Development Unit(Bk):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-622-004	#PCU Cleaning Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-005	PCU CL(Bk):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-006	PCU CL(Bk):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-007	PCU CL(Bk):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-008	PCU CL(Bk):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-009	PCU CL(Bk):Lubricant	ENG	[0 or 1 / 0 / 1/step]

7-622-010	PCU CL(Bk):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-012	#Charge Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-013	Charge Unit(Bk):Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-014	Charge Unit(Bk):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-015	Charge Unit(Bk):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-622-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-018	Charge Unit(Bk):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-622-020	#Photoconductor Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-022	#Development Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-023	Developer(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-024	Development Unit(C):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-622-025	#PCU Cleaning Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-026	PCU CL(C):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-027	PCU CL(C):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-028	PCU CL(C):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-029	PCU CL(C):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-030	PCU CL(C):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-622-031	PCU CL(C):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-033	#Charge Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-034	Charge Unit(C):Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-035	Charge Unit(C):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-036	Charge Unit(C):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-622-037	Charge Unit(C):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]

7-622-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-039	Charge Unit(C):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-622-041	#Photoconductor Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-043	#Development Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-044	Developer(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-045	Development Unit(M):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-622-046	#PCU Cleaning Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-047	PCU CL(M):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-048	PCU CL(M):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-049	PCU CL(M):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-050	PCU CL(M):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-051	PCU CL(M):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-622-052	PCU CL(M):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-054	#Charge Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-055	Charge Unit(M):Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-056	Charge Unit(M):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-057	Charge Unit(M):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-622-058	Charge Unit(M):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-060	Charge Unit(M):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-622-062	#Photoconductor Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-064	#Development Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-065	Developer(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-066	Development Unit(Y):Vent Filter	ENG	[0 or 1 / 0 / 1/step]

7-622-067	#PCU Cleaning Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-068	PCU CL(Y):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-069	PCU CL(Y):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-070	PCU CL(Y):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-071	PCU CL(Y):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-072	PCU CL(Y):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-622-073	PCU CL(Y):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-075	#Charge Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-076	Charge Unit(Y):Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-077	Charge Unit(Y):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-078	Charge Unit(Y):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-622-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-622-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-622-081	Charge Unit(Y):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-622-083	#Photoconductor Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-085	#Intermediate Transfer Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-086	#Image Transfer Roller(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-087	#Image Transfer Roller(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-088	#Image Transfer Roller(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-089	#Image Transfer Roller(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-090	#Paper Transfer Bias Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-091	#ITB Cleaning Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-092	ITB Cleaning Unit:Cleaning Roller: 1st	ENG	[0 or 1 / 0 / 1/step]
7-622-093	ITB Cleaning Unit:Cleaning Blade: 1st	ENG	[0 or 1 / 0 / 1/step]

7-622-094	ITB Cleaning Unit:Collection Roller: 1st	ENG	[0 or 1 / 0 / 1/step]
7-622-095	ITB Cleaning Unit:Cleaning Roller: 2nd	ENG	[0 or 1 / 0 / 1/step]
7-622-096	ITB Cleaning Unit:Cleaning Blade: 2nd	ENG	[0 or 1 / 0 / 1/step]
7-622-097	ITB Cleaning Unit:Collection Roller: 2nd	ENG	[0 or 1 / 0 / 1/step]
7-622-098	ITB Cleaning Unit:Cleaning Roller: 3rd	ENG	[0 or 1 / 0 / 1/step]
7-622-099	ITB Cleaning Unit:Cleaning Blade: 3rd	ENG	[0 or 1 / 0 / 1/step]
7-622-100	ITB Cleaning Unit:Collection Roller: 3rd	ENG	[0 or 1 / 0 / 1/step]
7-622-102	#ITB:Lubrication Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-104	ITB Lubrication Unit:Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-622-106	#Paper Transfer Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-622-110	Paper Transfer Unit:Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-622-112	#Fuser Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-113	Fuser Unit:Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-114	Fuser Unit:Fusing Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-115	Fuser Unit:Pressure Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-116	Fuser Unit:Thermistor	ENG	[0 or 1 / 0 / 1/step]

7-622-117	Fuser Unit:Separation Pad	ENG	[0 or 1 / 0 / 1/step]
7-622-118	#Fuser Belt Smoothing Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-119	#Fuser Cleaning Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-121	#Dust Filter(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-622-122	#Dust Filter(C)	ENG	[0 or 1 / 0 / 1/step]
7-622-123	#Dust Filter(M)	ENG	[0 or 1 / 0 / 1/step]
7-622-124	#Dust Filter(Y)	ENG	[0 or 1 / 0 / 1/step]
7-622-125	#Ozone Filter	ENG	[0 or 1 / 0 / 1/step]
7-622-130	#Waste Toner Bottle	ENG	[0 or 1 / 0 / 1/step]
7-622-132	#Paper Cooling Belt:Upper	ENG	[0 or 1 / 0 / 1/step]
7-622-133	#Paper Cooling Belt:Lower	ENG	[0 or 1 / 0 / 1/step]
7-622-136	#Tray1:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-140	#Tray2:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-168	#Bypass Tray	ENG	[0 or 1 / 0 / 1/step]
7-622-169	Bypass Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-170	Bypass Tray:Feed Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-171	Bypass Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-172	#Interposer Upper Tray	ENG	[0 or 1 / 0 / 1/step]
7-622-173	Interposer Upper Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]

7-622-174	Interposer Upper Tray:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-175	Interposer Upper Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-176	#Interposer Lower Tray	ENG	[0 or 1 / 0 / 1/step]
7-622-177	Interposer Lower Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-178	Interposer Lower Tray:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-622-179	Interposer Lower Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-198	Trimming Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-199	Trimming Catcher	ENG	[0 or 1 / 0 / 1/step]
7-622-200	Rotation Clamp Pad	ENG	[0 or 1 / 0 / 1/step]
7-622-201	Stack Rotation Vibrating Plate	ENG	[0 or 1 / 0 / 1/step]
7-622-203	Switchback Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-204	Ripple Idle Roller (Center)	ENG	[0 or 1 / 0 / 1/step]
7-622-205	Ripple Idle Rollers	ENG	[0 or 1 / 0 / 1/step]
7-622-206	TE Press Roller (large)	ENG	[0 or 1 / 0 / 1/step]
7-622-207	TE Press Roller (Small)	ENG	[0 or 1 / 0 / 1/step]
7-622-209	Spine Fold Harness (right)	ENG	[0 or 1 / 0 / 1/step]
7-622-210	Spine Fold Harness (left)	ENG	[0 or 1 / 0 / 1/step]
7-622-211	Signature Transport Harness	ENG	[0 or 1 / 0 / 1/step]
7-622-213	Stack Rotation Up-down Harness	ENG	[0 or 1 / 0 / 1/step]
7-622-214	Stack Rotation Grip Harness	ENG	[0 or 1 / 0 / 1/step]
7-622-215	Stack Rotate Press LED Harness	ENG	[0 or 1 / 0 / 1/step]
7-622-217	Pick-up Roller Upper	ENG	[0 or 1 / 0 / 1/step]
7-622-218	Separation Roller Upper	ENG	[0 or 1 / 0 / 1/step]
7-622-219	Feed Roller Upper	ENG	[0 or 1 / 0 / 1/step]

7-622-221	Pick-up Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-622-222	Separation Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-622-223	Feed Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-622-225	Blade Cradle	ENG	[0 or 1 / 0 / 1/step]
7-622-226	Switchback Torque Limiter	ENG	[0 or 1 / 0 / 1/step]
7-622-227	Deodorant Filter (Upper&Lower)	ENG	[0 or 1 / 0 / 1/step]
7-622-228	Cover Feed Switchback Roller	ENG	[0 or 1 / 0 / 1/step]
7-622-229	Jogger Motor	ENG	[0 or 1 / 0 / 1/step]
7-622-230	Main Grip Motor	ENG	[0 or 1 / 0 / 1/step]
7-622-231	Signature Thickness Sensor	ENG	[0 or 1 / 0 / 1/step]
7-622-232	Signature Rotate Torque Diode	ENG	[0 or 1 / 0 / 1/step]
7-622-233	Trimming Buffer Motor	ENG	[0 or 1 / 0 / 1/step]
7-622-234	Signature Press Trq Lmt Clutch	ENG	[0 or 1 / 0 / 1/step]
7-622-236	Ball Screw Unit	ENG	[0 or 1 / 0 / 1/step]
7-622-237	Sign/Stacking Discharger	ENG	[0 or 1 / 0 / 1/step]
7-622-238	Horizontal/Reg Discharger	ENG	[0 or 1 / 0 / 1/step]
7-622-239	Booklet Stack Drawer Connector	ENG	[0 or 1 / 0 / 1/step]
7-622-240	Edge Press Plate Sproket Ass'y	ENG	[0 or 1 / 0 / 1/step]

7623	[Standard Value]		
7-623-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-002	Developer(Bk)	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 1800000 / 1/step]

7-623-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 2500000 / 1/step]
7-623-022	#Development Unit(C)	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-023	Developer(C)	ENG	[0 to 99999999 / 99999999 / 1/step]

7-623-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-033	#Charge Unit(C)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 2500000 / 1/ step]

7-623-043	#Development Unit(M)	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-044	Developer(M)	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1/step]
7-623-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-054	#Charge Unit(M)	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 900000 / 1/step]

7-623-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 2500000 / 1/ step]
7-623-064	#Development Unit(Y)	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-065	Developer(Y)	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 900000 / 1/ step]

7-623-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 2500000 / 1/step]
7-623-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 2400000 / 1/step]
7-623-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-092	ITB Cleaning Unit:Cleaning Roller: 1st	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-093	ITB Cleaning Unit:Cleaning Blade: 1st	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-094	ITB Cleaning Unit:Collection Roller: 1st	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-095	ITB Cleaning Unit:Cleaning Roller: 2nd	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-096	ITB Cleaning Unit:Cleaning Blade: 2nd	ENG	[0 to 99999999 / 900000 / 1/step]

7-623-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 900000 / 1/step]
7-623-112	#Fuser Unit	ENG	[0 to 99999999 / 1200000 / 1/step]
7-623-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 1200000 / 1/step]
7-623-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 1800000 / 1/step]
7-623-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 1800000 / 1/step]

7-623-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 1800000 / 1/ step]
7-623-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 1200000 / 1/ step]
7-623-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-122	#Dust Filter(C)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-123	#Dust Filter(M)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 900000 / 1/ step]
7-623-125	#Ozone Filter	ENG	[0 to 99999999 / 1200000 / 1/ step]
7-623-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 220000 / 1/ step]
7-623-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 99999999 / 1/ step]
7-623-136	#Tray1:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]
7-623-140	#Tray2:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]
7-623-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]
7-623-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]
7-623-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]
7-623-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1/ step]

7-623-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 99999999 / 700000 / 1/step]
7-623-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 99999999 / 700000 / 1/step]
7-623-168	#Bypass Tray	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-169	Bypass Tray:Pickup Roller	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-170	Bypass Tray:Feed Roller	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-171	Bypass Tray:Separate Roller	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-172	#Interposer Upper Tray	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-176	#Interposer Lower Tray	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 99999999 / 60000 / 1/step]
7-623-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 99999999 / 60000 / 1/step]

7623	[Standard Value]		
7-623-198	Trimming Unit	ENG	[0 to 99999999 / 40000 / 1/step]
7-623-199	Trimmings Catcher	ENG	[0 to 99999999 / 40000 / 1/step]
7-623-200	Rotation Clamp Pad	ENG	[0 to 99999999 / 40000 / 1/step]
7-623-201	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 40000 / 1/step]

7-623-203	Switchback Roller	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-204	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-205	Ripple Idle Rollers	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-206	TE Press Roller (large)	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-207	TE Press Roller (Small)	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-209	Spine Fold Harness (right)	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-210	Spine Fold Harness (left)	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-211	Signature Transport Harness	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-213	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-214	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-215	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 120000 / 1/step]
7-623-217	Pick-up Roller Upper	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-218	Separation Roller Upper	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-219	Feed Roller Upper	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-221	Pick-up Roller Lower	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-222	Separation Roller Lower	ENG	[0 to 99999999 / 100000 / 1/step]

7-623-223	Feed Roller Lower	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-225	Blade Cradle	ENG	[0 to 99999999 / 5500 / 1/step]
7-623-226	Switchback Torque Limiter	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-228	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 1000000 / 1/step]
7-623-229	Jogger Motor	ENG	[0 to 99999999 / 15000000 / 1/step]
7-623-230	Main Grip Motor	ENG	[0 to 99999999 / 100000 / 1/step]
7-623-231	Signature Thickness Sensor	ENG	[0 to 99999999 / 50000 / 1/step]
7-623-232	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 50000 / 1/step]
7-623-233	Trimnings Buffer Motor	ENG	[0 to 99999999 / 50000 / 1/step]
7-623-234	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 50000 / 1/step]
7-623-236	Ball Screw Unit	ENG	[0 to 99999999 / 200000 / 1/step]
7-623-237	Sign/Stacking Discharger	ENG	[0 to 99999999 / 2000000 / 1/step]
7-623-238	Horizontal/Reg Discharger	ENG	[0 to 99999999 / 2000000 / 1/step]
7-623-239	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 20000 / 1/step]
7-623-240	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 150000 / 1/step]

7624	[Part Replacement Operation ON/OFF]		
7-624-001	#Development Unit(Bk)	*CTL	[0 or 1 / 1 / 1/step]
7-624-002	Developer(Bk)	*CTL	[0 or 1 / 1 / 1/step]

7-624-003	Development Unit(Bk):Vent Filter	*CTL	[0 or 1 / 1 / 1/step]
7-624-004	#PCU Cleaning Unit(Bk)	*CTL	[0 or 1 / 1 / 1/step]
7-624-005	PCU CL(Bk):Cleaning Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-006	PCU CL(Bk):Cleaning Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-007	PCU CL(Bk):Lubrication Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-008	PCU CL(Bk):Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-009	PCU CL(Bk):Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-010	PCU CL(Bk):Collection Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-012	#Charge Unit(Bk)	*CTL	[0 or 1 / 1 / 1/step]
7-624-013	Charge Unit(Bk):Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-014	Charge Unit(Bk):Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-015	Charge Unit(Bk):Cushion	*CTL	[0 or 1 / 1 / 1/step]
7-624-016	Charge Unit(Bk):Cleaner:Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-017	Charge Unit(Bk):Cleaner:Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-018	Charge Unit(Bk):Tension Spring	*CTL	[0 or 1 / 1 / 1/step]
7-624-020	#Photoconductor Unit(Bk)	*CTL	[0 or 1 / 1 / 1/step]
7-624-022	#Development Unit(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-023	Developer(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-024	Development Unit(C):Vent Filter	*CTL	[0 or 1 / 1 / 1/step]
7-624-025	#PCU Cleaning Unit(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-026	PCU CL(C):Cleaning Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-027	PCU CL(C):Cleaning Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-028	PCU CL(C):Lubrication Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-029	PCU CL(C):Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]

7-624-030	PCU CL(C):Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-031	PCU CL(C):Collection Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-033	#Charge Unit(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-034	Charge Unit(C):Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-035	Charge Unit(C):Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-036	Charge Unit(C):Cushion	*CTL	[0 or 1 / 1 / 1/step]
7-624-037	Charge Unit(C):Cleaner:Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-038	Charge Unit(C):Cleaner:Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-039	Charge Unit(C):Tension Spring	*CTL	[0 or 1 / 1 / 1/step]
7-624-040	#Photoconductor Unit(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-043	#Development Unit(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-044	Developer(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-045	Development Unit(M):Vent Filter	*CTL	[0 or 1 / 1 / 1/step]
7-624-046	#PCU Cleaning Unit(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-047	PCU CL(M):Cleaning Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-048	PCU CL(M):Cleaning Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-049	PCU CL(M):Lubrication Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-050	PCU CL(M):Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-051	PCU CL(M):Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-052	PCU CL(M):Collection Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-054	#Charge Unit(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-055	Charge Unit(M):Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-056	Charge Unit(M):Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-057	Charge Unit(M):Cushion	*CTL	[0 or 1 / 1 / 1/step]

7-624-058	Charge Unit(M):Cleaner:Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-059	Charge Unit(M):Cleaner:Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-060	Charge Unit(M):Tension Spring	*CTL	[0 or 1 / 1 / 1/step]
7-624-062	#Photoconductor Unit(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-064	#Development Unit(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-065	Developer(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-066	Development Unit(Y):Vent Filter	*CTL	[0 or 1 / 1 / 1/step]
7-624-067	#PCU Cleaning Unit(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-068	PCU CL(Y):Cleaning Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-069	PCU CL(Y):Cleaning Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-070	PCU CL(Y):Lubrication Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-071	PCU CL(Y):Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-072	PCU CL(Y):Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-073	PCU CL(Y):Collection Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-074	#Charge Unit(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-076	Charge Unit(Y):Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-077	Charge Unit(Y):Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-078	Charge Unit(Y):Cushion	*CTL	[0 or 1 / 1 / 1/step]
7-624-079	Charge Unit(Y):Cleaner:Grid	*CTL	[0 or 1 / 1 / 1/step]
7-624-080	Charge Unit(Y):Cleaner:Corona Wire	*CTL	[0 or 1 / 1 / 1/step]
7-624-081	Charge Unit(Y):Tension Spring	*CTL	[0 or 1 / 1 / 1/step]
7-624-083	#Photoconductor Unit(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-085	#Intermediate Transfer Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-086	#Image Transfer Roller(Bk)	*CTL	[0 or 1 / 1 / 1/step]

7-624-087	#Image Transfer Roller(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-088	#Image Transfer Roller(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-089	#Image Transfer Roller(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-090	#Paper Transfer Bias Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-091	#ITB Cleaning Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-092	ITB Cleaning Unit:Cleaning Roller:1st	*CTL	[0 or 1 / 1 / 1/step]
7-624-093	ITB Cleaning Unit:Cleaning Blade:1st	*CTL	[0 or 1 / 1 / 1/step]
7-624-094	ITB Cleaning Unit:Collection Roller:1st	*CTL	[0 or 1 / 1 / 1/step]
7-624-095	ITB Cleaning Unit:Cleaning Roller:2nd	*CTL	[0 or 1 / 1 / 1/step]
7-624-096	ITB Cleaning Unit:Cleaning Blade:2nd	*CTL	[0 or 1 / 1 / 1/step]
7-624-097	ITB Cleaning Unit:Collection Roller:2nd	*CTL	[0 or 1 / 1 / 1/step]
7-624-098	ITB Cleaning Unit:Cleaning Roller:3rd	*CTL	[0 or 1 / 1 / 1/step]
7-624-099	ITB Cleaning Unit:Cleaning Blade:3rd	*CTL	[0 or 1 / 1 / 1/step]
7-624-100	ITB Cleaning Unit:Collection Roller:3rd	*CTL	[0 or 1 / 1 / 1/step]
7-624-102	#ITB:Lubrication Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-103	ITB Lubrication Unit:Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-104	ITB Lubrication Unit:Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-106	#Paper Transfer Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-107	Paper Transfer Unit:Paper Transfer Belt	*CTL	[0 or 1 / 1 / 1/step]

7-624-108	Paper Transfer Unit:Lubrication Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-109	Paper Transfer Unit:Cleaning Blade	*CTL	[0 or 1 / 1 / 1/step]
7-624-110	Paper Transfer Unit:Lubricant	*CTL	[0 or 1 / 1 / 1/step]
7-624-112	#Fuser Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-113	Fuser Unit:Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-114	Fuser Unit:Fusing Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-115	Fuser Unit:Pressure Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-116	Fuser Unit:Thermistor	*CTL	[0 or 1 / 1 / 1/step]
7-624-117	Fuser Unit:Separation Pad	*CTL	[0 or 1 / 1 / 1/step]
7-624-118	#Fuser Belt Smoothing Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-119	#Fuser Cleaning Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-121	#Dust Filter(Bk)	*CTL	[0 or 1 / 1 / 1/step]
7-624-122	#Dust Filter(C)	*CTL	[0 or 1 / 1 / 1/step]
7-624-123	#Dust Filter(M)	*CTL	[0 or 1 / 1 / 1/step]
7-624-124	#Dust Filter(Y)	*CTL	[0 or 1 / 1 / 1/step]
7-624-125	#Ozone Filter	*CTL	[0 or 1 / 1 / 1/step]
7-624-130	#Waste Toner Bottle	*CTL	[0 or 1 / 1 / 1/step]
7-624-132	#Paper Cooling Belt:Upper	*CTL	[0 or 1 / 1 / 1/step]
7-624-133	#Paper Cooling Belt:Lower	*CTL	[0 or 1 / 1 / 1/step]
7-624-136	#Tray 1:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-140	#Tray 2:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-144	#2-Tray LCT:Tray 3:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-148	#2-Tray LCT:Tray 4:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-152	#2-Tray LCT:Tray 5:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]

7-624-156	#2-Tray LCT:Tray 6:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-160	#2-Tray LCT:Tray 7:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-164	#2-Tray LCT:Tray 8:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-168	#Bypass Tray	*CTL	[0 or 1 / 1 / 1/step]
7-624-169	Bypass Tray:Pickup Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-170	Bypass Tray:Feed Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-171	Bypass Tray:Separate Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-172	#Interposer Upper Tray	*CTL	[0 or 1 / 1 / 1/step]
7-624-173	Interposer Upper Tray:Pickup Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-174	Interposer Upper Tray:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-175	Interposer Upper Tray:Separate Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-176	#Interposer Lower Tray	*CTL	[0 or 1 / 1 / 1/step]
7-624-177	Interposer Lower Tray:Pickup Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-178	Interposer Lower Tray:Feed Belt	*CTL	[0 or 1 / 1 / 1/step]
7-624-179	Interposer Lower Tray:Separate Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-198	#Trimming Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-199	#Trimming Catcher	*CTL	[0 or 1 / 1 / 1/step]
7-624-200	#Rotation Clamp Pad	*CTL	[0 or 1 / 1 / 1/step]
7-624-201	#Stack Rotation Vibrating Plate	*CTL	[0 or 1 / 1 / 1/step]
7-624-203	#Switchback Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-204	#Ripple Idle Roller(Center)	*CTL	[0 or 1 / 1 / 1/step]
7-624-205	#Ripple Idle Rollers	*CTL	[0 or 1 / 1 / 1/step]
7-624-206	#TE Press Roller(large)	*CTL	[0 or 1 / 1 / 1/step]

7-624-207	#TE Press Roller(small)	*CTL	[0 or 1 / 1 / 1/step]
7-624-209	#Spine Fold Harness(right)	*CTL	[0 or 1 / 1 / 1/step]
7-624-210	#Spine Fold Harness(left)	*CTL	[0 or 1 / 1 / 1/step]
7-624-211	#Signature Transport Harness	*CTL	[0 or 1 / 1 / 1/step]
7-624-213	#Stack Rotation Up-down Harness	*CTL	[0 or 1 / 1 / 1/step]
7-624-214	#Stack Rotation Grip Harness	*CTL	[0 or 1 / 1 / 1/step]
7-624-215	#Stack Rotate Press LED Harness	*CTL	[0 or 1 / 1 / 1/step]
7-624-217	#Pick-up Roller Upper	*CTL	[0 or 1 / 1 / 1/step]
7-624-218	#Separation Roller Upper	*CTL	[0 or 1 / 1 / 1/step]
7-624-219	#Feed Roller Upper	*CTL	[0 or 1 / 1 / 1/step]
7-624-221	#Pick-up Roller Lower	*CTL	[0 or 1 / 1 / 1/step]
7-624-222	#Separation Roller Lower	*CTL	[0 or 1 / 1 / 1/step]
7-624-223	#Feed Roller Lower	*CTL	[0 or 1 / 1 / 1/step]
7-624-225	#Blade Cradle	*CTL	[0 or 1 / 1 / 1/step]
7-624-226	#Switchback Torque Limiter	*CTL	[0 or 1 / 1 / 1/step]
7-624-227	#Deodorant Filter(Upper&Lower)	*CTL	[0 or 1 / 1 / 1/step]
7-624-228	#Cover Feed Switchback Roller	*CTL	[0 or 1 / 1 / 1/step]
7-624-229	#Jogger Motor	*CTL	[0 or 1 / 1 / 1/step]
7-624-230	#Main Grip Motor	*CTL	[0 or 1 / 1 / 1/step]
7-624-231	#Signature Thickness Sensor	*CTL	[0 or 1 / 1 / 1/step]
7-624-232	#Signature Rotate Torque Diode	*CTL	[0 or 1 / 1 / 1/step]
7-624-233	#Trimnings Buffer Motor	*CTL	[0 or 1 / 1 / 1/step]
7-624-234	#Signature Press Trq Lmt Clutch	*CTL	[0 or 1 / 1 / 1/step]

7-624-236	#Ball Screw Unit	*CTL	[0 or 1 / 1 / 1/step]
7-624-237	#Sign/Stacking Discharger	*CTL	[0 or 1 / 1 / 1/step]
7-624-238	#Horizontal/Reg Discharger	*CTL	[0 or 1 / 1 / 1/step]
7-624-239	#Booklet Stack Drawer Connector	*CTL	[0 or 1 / 1 / 1/step]
7-624-240	#Edge Press Plate Sproket Ass'y	*CTL	[0 or 1 / 1 / 1/step]

Group 7000 (3/5)

SP7-625 to -944 (Data Log)

3

7625	[Pg Count History:Latest 1]		
	Displays latest page counter for each unit.		
7-625-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-625-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-625-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-625-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1/step]

7-625-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-625-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-625-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-625-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]

7-625-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-625-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-625-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-625-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-625-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-625-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]

7-625-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-625-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-625-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-625-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-625-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-625-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-625-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-625-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 0 / 1/step]

7-625-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-625-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-625-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-625-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-625-112	#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-625-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 0 / 1/step]
7-625-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 0 / 1/step]
7-625-118	#Fuser Belt Smoothing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-119	#Fuser Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-625-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-122	#Dust Filter(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-123	#Dust Filter(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-125	#Ozone Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 0 / 1/step]
7-625-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-625-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 0 / 1/step]

7-625-136	#Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-140	#Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-168	#Bypass Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-625-169	Bypass Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-170	Bypass Tray:Feed Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-171	Bypass Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-172	#Interposer Upper Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-625-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-176	#Interposer Lower Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-625-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-625-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-198	Trimming Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-625-199	Trimming Catcher	ENG	[0 to 99999999 / 0 / 1/step]
7-625-200	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1/step]

7-625-201	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1/step]
7-625-203	Switchback Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-204	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-205	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1/step]
7-625-206	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-207	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-209	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-210	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-211	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-625-213	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-625-214	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-625-215	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-625-217	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-625-218	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-625-219	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-625-221	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-625-222	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-625-223	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-625-225	Blade Cradle	ENG	[0 to 99999999 / 0 / 1/step]
7-625-226	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1/step]
7-625-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 0 / 1/step]
7-625-228	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-625-229	Jogger Motor	ENG	[0 to 99999999 / 0 / 1/step]
7-625-230	Main Grip Motor	ENG	[0 to 99999999 / 0 / 1/step]
7-625-231	Signature Thickness Sensor	ENG	[0 to 99999999 / 0 / 1/step]
7-625-232	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 0 / 1/step]

7-625-233	Trimmings Buffer Motor	ENG	[0 to 999999999 / 0 / 1/step]
7-625-234	Signature Press Trq Lmt Clutch	ENG	[0 to 999999999 / 0 / 1/step]
7-625-236	Ball Screw Unit	ENG	[0 to 999999999 / 0 / 1/step]
7-625-237	Sign/Stacking Discharger	ENG	[0 to 999999999 / 0 / 1/step]
7-625-238	Horizontal/Reg Discharger	ENG	[0 to 999999999 / 0 / 1/step]
7-625-239	Booklet Stack Drawer Connector	ENG	[0 to 999999999 / 0 / 1/step]
7-625-240	Edge Press Plate Sproket Ass'y	ENG	[0 to 999999999 / 0 / 1/step]

7626	[Pg Count History:Latest 2]		
	Displays 2 nd latest page counter for each unit.		
7-626-001	#Development Unit(Bk)	ENG	[0 to 999999999 / 0 / 1/step]
7-626-002	Developer(Bk)	ENG	[0 to 999999999 / 0 / 1/step]
7-626-003	Development Unit(Bk):Vent Filter	ENG	[0 to 999999999 / 0 / 1/step]
7-626-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 999999999 / 0 / 1/step]
7-626-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 999999999 / 0 / 1/step]
7-626-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 999999999 / 0 / 1/step]
7-626-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 999999999 / 0 / 1/step]
7-626-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 999999999 / 0 / 1/step]
7-626-009	PCU CL(Bk):Lubricant	ENG	[0 to 999999999 / 0 / 1/step]
7-626-010	PCU CL(Bk):Collection Blade	ENG	[0 to 999999999 / 0 / 1/step]
7-626-012	#Charge Unit(Bk)	ENG	[0 to 999999999 / 0 / 1/step]
7-626-013	Charge Unit(Bk):Grid	ENG	[0 to 999999999 / 0 / 1/step]
7-626-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 999999999 / 0 / 1/step]
7-626-015	Charge Unit(Bk):Cushion	ENG	[0 to 999999999 / 0 / 1/step]
7-626-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 999999999 / 0 / 1/step]

7-626-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-626-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-626-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-626-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-626-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-626-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]

7-626-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-626-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-626-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-626-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-626-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-626-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1/step]

7-626-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1/step]
7-626-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1/step]
7-626-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1/step]
7-626-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1/step]
7-626-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-626-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-626-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 99999999 / 0 / 1/step]
7-626-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-626-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 99999999 / 0 / 1/step]
7-626-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 0 / 1/step]

7-626-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-626-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-626-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 99999999 / 0 / 1/step]
7-626-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-626-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 0 / 1/step]
7-626-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1/step]
7-626-112	#Fuser Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 0 / 1/step]
7-626-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 0 / 1/step]
7-626-118	#Fuser Belt Smoothing Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-119	#Fuser Cleaning Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-122	#Dust Filter(C)	ENG	[0 to 99999999 / 0 / 1/step]

7-626-123	#Dust Filter(M)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-125	#Ozone Filter	ENG	[0 to 99999999 / 0 / 1/step]
7-626-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 0 / 1/step]
7-626-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-626-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-626-136	#Tray1:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-140	#Tray2:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-168	#Bypass Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-626-169	Bypass Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-170	Bypass Tray:Feed Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-171	Bypass Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-172	#Interposer Upper Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-626-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-176	#Interposer Lower Tray	ENG	[0 to 99999999 / 0 / 1/step]
7-626-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 99999999 / 0 / 1/step]

7-626-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 99999999 / 0 / 1/step]
7-626-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-198	Trimming Unit	ENG	[0 to 99999999 / 0 / 1/step]
7-626-199	Trimming Catcher	ENG	[0 to 99999999 / 0 / 1/step]
7-626-200	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1/step]
7-626-201	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1/step]
7-626-203	Switchback Roller	ENG	[0 to 99999999 / 0 / 1/step]
7-626-204	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-205	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1/step]
7-626-206	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-207	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-209	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-210	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1/step]
7-626-211	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-626-213	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-626-214	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-626-215	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 0 / 1/step]
7-626-217	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-626-218	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-626-219	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1/step]
7-626-221	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-626-222	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-626-223	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1/step]
7-626-225	Blade Cradle	ENG	[0 to 99999999 / 0 / 1/step]
7-626-226	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1/step]

7-626-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 999999999 / 0 / 1/step]
7-626-228	Cover Feed Switchback Roller	ENG	[0 to 999999999 / 0 / 1/step]
7-626-229	Jogger Motor	ENG	[0 to 999999999 / 0 / 1/step]
7-626-230	Main Grip Motor	ENG	[0 to 999999999 / 0 / 1/step]
7-626-231	Signature Thickness Sensor	ENG	[0 to 999999999 / 0 / 1/step]
7-626-232	Signature Rotate Torque Diode	ENG	[0 to 999999999 / 0 / 1/step]
7-626-233	Trimnings Buffer Motor	ENG	[0 to 999999999 / 0 / 1/step]
7-626-234	Signature Press Trq Lmt Clutch	ENG	[0 to 999999999 / 0 / 1/step]
7-626-236	Ball Screw Unit	ENG	[0 to 999999999 / 0 / 1/step]
7-626-237	Sign/Stacking Discharger	ENG	[0 to 999999999 / 0 / 1/step]
7-626-238	Horizontal/Reg Discharger	ENG	[0 to 999999999 / 0 / 1/step]
7-626-239	Booklet Stack Drawer Connector	ENG	[0 to 999999999 / 0 / 1/step]
7-626-240	Edge Press Plate Sproket Ass'y	ENG	[0 to 999999999 / 0 / 1/step]

7628	[Clear PM Counter]		
	Resets all PM counters.		
7-628-002	Reset All Counts	ENG	[0 or 1 / 0 / 1/step]

7710	[Output Page Counter: Display]		
	Displays output page counter. It counts up every imaging process and no matter if there is no image.		
7-710-001	K	ENG	[0 to 4000000000 / 0 / 1 page/step]
7-710-002	C	ENG	[0 to 4000000000 / 0 / 1 page/step]
7-710-003	M	ENG	[0 to 4000000000 / 0 / 1 page/step]

7-710-004	Y	ENG	[0 to 4000000000 / 0 / 1 page/step]
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7720	[Average Img Coverage: Disp]		
	Displays the average of image coverage.		
7-720-001	K	ENG	[0 to 100 / 0 / 0.01 %/step]
7-720-002	C	ENG	[0 to 100 / 0 / 0.01 %/step]
7-720-003	M	ENG	[0 to 100 / 0 / 0.01 %/step]
7-720-004	Y	ENG	[0 to 100 / 0 / 0.01 %/step]

7801	[ROM No.]		
	Displays the serial number and the ROM version for each unit or peripheral.		
7-801-002	Engine	ENG	[- / - / -]
7-801-007	Finisher1	ENG	[- / - / -]
7-801-008	Finisher2	ENG	[- / - / -]
7-801-010	LCT	ENG	[- / - / -]
7-801-020	Cover Interposer	ENG	[- / - / -]
7-801-025	Folding Unit	ENG	[- / - / -]
7-801-028	LCT2	ENG	[- / - / -]
7-801-029	RingBinder Main	ENG	[- / - / -]
7-801-030	RingBinder Sub	ENG	[- / - / -]
7-801-031	P-Binder_Relay	ENG	[- / - / -]
7-801-032	P-Binder_Master	ENG	[- / - / -]
7-801-033	P-Binder_Insert	ENG	[- / - / -]
7-801-034	P-Binder_Slave	ENG	[- / - / -]
7-801-035	P-Binder_Cutter	ENG	[- / - / -]
7-801-036	Stacker	ENG	[- / - / -]

7-801-037	Stacker 2	ENG	[- / - / -]
7-801-042	TDCU	ENG	[- / - / -]
7-801-043	LCT3	ENG	[- / - / -]
7-801-044	External Option Interface	ENG	[- / - / -]
7-801-045	Data Transfer Unit	ENG	[- / - / -]

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7801	[Firmware Version]		
	Displays the serial number and the ROM version for each unit or peripheral.		
7-801-102	Engine	ENG	[- / - / -]
7-801-107	Finisher1	ENG	[- / - / -]
7-801-108	Finisher2	ENG	[- / - / -]
7-801-110	LCT	ENG	[- / - / -]
7-801-120	Cover Interposer	ENG	[- / - / -]
7-801-125	Folding Unit	ENG	[- / - / -]
7-801-128	LCT2	ENG	[- / - / -]
7-801-129	RingBinder Main	ENG	[- / - / -]
7-801-130	RingBinder Sub	ENG	[- / - / -]
7-801-131	P-Binder_Relay	ENG	[- / - / -]
7-801-132	P-Binder_Master	ENG	[- / - / -]
7-801-133	P-Binder_Insert	ENG	[- / - / -]
7-801-134	P-Binder_Slave	ENG	[- / - / -]
7-801-135	P-Binder_Cutter	ENG	[- / - / -]
7-801-136	Stacker	ENG	[- / - / -]
7-801-137	Stacker 2	ENG	[- / - / -]
7-801-142	TDCU	ENG	[- / - / -]
7-801-143	LCT3	ENG	[- / - / -]

7-801-144	External Option Interface	ENG	[- / - / -]
7-801-145	Data Transfer Unit	ENG	[- / - / -]
7-801-146	DTU Config Data	ENG	[- / - / -]

7801	[ROM No./ Firmware Version] Displays firmware information for main machine and all other connected devices.		
7-801-255	-	CTL	-

7803	[PM Counter Display] Displays the number of sheets printed for each current maintenance unit. PM counters click up based on the number of A4 (LT) LEF size sheets printed. Therefore, the A3 (DLT) Double Count is activated. The Double Count cannot be deactivated. When a unit is replaced, the machine automatically detects that the new unit is installed.		
7-803-001	Paper	*CTL	[0 to 99999999 / 0 / 1/step]

7804	[PM Counter Reset] Clears the PM counter. Press [EXECUTE] to reset the PM count.		
7-804-001	Paper	CTL	[- / - / -] [Execute]

7807	[SC/Jam Counter Reset] Clears the counters related to SC codes and paper jams.		
7-807-001	-	CTL	[- / - / -] [Execute]

7826	[MF Error Counter] Displays the number of counts requested of the card/key counter.		
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7-826-001	Error Total	*CTL	[0 to 9999999 / 0 / 1/step] A request for the count total failed at power on. This error will occur if the device is installed but disconnected.
7-826-002	Error Staple	*CTL	[0 to 9999999 / 0 / 1/step] The request for a staple count failed at power on. This error will occur if the device is installed but disconnected.

7827	[MF Error Counter Clear] Clears MF Error Counter. Only valid when the MK-1 has been connected.		
7-827-001	-	CTL	[- / - / -] [Execute]

7832	[Self-Diagnose Result Display] Displays the result of the diagnostics.		
7-832-001	-	CTL	[- / - / -] [Execute]

7836	[Total Memory Size] Displays the memory capacity of the controller system.		
7-836-001	Total Memory Size	CTL	[- / - / -]

7840	[ServiceSP Entry Code Chg Hist] Records dates and times of resetting / changing "Service SP mode switch code setting" for the recent 2 times. (Decides whether the record is for setting changes or resets by branch number.)		
7-840-001	Change Time :Latest	*CTL	[- / - / -]
7-840-002	Change Time : Last1	*CTL	[- / - / -]
7-840-101	Initialize Time : Latest	*CTL	[- / - / -]
7-840-102	Initialize Time : Last1	*CTL	[- / - / -]

7855	[Coverage Range]		
	<p>The value of SP7-855-001 cannot be bigger than SP7-855-002.</p> <p>This SP does not be cleared, set the initial value when replacing the NVRAM. If this initial value is not set, the value is set to "0" and coverage counter (SP8-601-xxx) does not work properly.</p> <p>* Coverage: amount of toner used per A4 sheet (1% increments)</p>		
7-855-001	Coverage Range 1	* CTL	[1 to 200 / 5 / 1%/step]
7-855-002	Coverage Range 2	* CTL	[1 to 200 / 20 / 1%/step]

7901	[Assert Info.]		
	<p>Records the location where a problem is detected in the program. Used for debugging.</p>		
7-901-001	File Name	* CTL	[- / - / -]
7-901-002	Number of Lines	* CTL	[- / - / -]
7-901-003	Location	* CTL	[- / - / -]

7910	[ROM No]		
	<p>The ROM part number of the main machine and peripheral are printed out on the SMC.</p> <p>(This SP is not displayed on the operation panel.)</p>		
7-910-001	System	* CTL	[- / - / -]
7-910-002	Engine	* CTL	[- / - / -]
7-910-003	Lcdc	* CTL	[- / - / -]
7-910-007	Finisher1	* CTL	[- / - / -]
7-910-008	Finisher2	* CTL	[- / - / -]
7-910-010	LCT	* CTL	[- / - / -]
7-910-018	NetworkSupport	* CTL	[- / - / -]
7-910-020	Cover Interposer	* CTL	[- / - / -]
7-910-022	BIOS	* CTL	[- / - / -]

7-910-023	HDD Format Option	*CTL	[- / - / -]
7-910-025	Folding Unit	*CTL	[- / - / -]
7-910-028	LCT2	*CTL	[- / - / -]
7-910-029	RB PCB 1	*CTL	[- / - / -]
7-910-030	RB PCB 2	*CTL	[- / - / -]
7-910-031	PB PCB 1	*CTL	[- / - / -]
7-910-032	PB PCB 2	*CTL	[- / - / -]
7-910-033	PB PCB 3	*CTL	[- / - / -]
7-910-034	PB PCB 4	*CTL	[- / - / -]
7-910-035	PB PCB 5	*CTL	[- / - / -]
7-910-036	Stacker 1	*CTL	[- / - / -]
7-910-037	Stacker 2	*CTL	[- / - / -]
7-910-042	TDCU	*CTL	[- / - / -]
7-910-043	LCT3	*CTL	[- / - / -]
7-910-044	Fin_IFBox	*CTL	[- / - / -]
7-910-045	DTU	*CTL	[- / - / -]
7-910-046	DTU_CONFIG	*CTL	[- / - / -]
7-910-132	NetWare	*CTL	[- / - / -]
7-910-200	Factory	*CTL	[- / - / -]
7-910-202	NetworkDocBox	*CTL	[- / - / -]
7-910-204	Printer	*CTL	[- / - / -]
7-910-210	MIB	*CTL	[- / - / -]
7-910-211	Websupport	*CTL	[- / - / -]
7-910-212	WebUapl	*CTL	[- / - / -]
7-910-213	SDK1	*CTL	[- / - / -]
7-910-214	SDK2	*CTL	[- / - / -]

7-910-215	SDK3	*CTL	[- / - / -]
7-910-250	Package	*CTL	[- / - / -]

7910	[Firmware Version]		
	The firmware version of the main machine and peripheral are printed out on the SMC. (This SP is not displayed on the operation panel.)		
7-911-001	System	*CTL	[- / - / -]
7-911-002	Engine	*CTL	[- / - / -]
7-911-003	Lcdc	*CTL	[- / - / -]
7-911-007	Finisher1	*CTL	[- / - / -]
7-911-008	Finisher2	*CTL	[- / - / -]
7-911-010	LCT	*CTL	[- / - / -]
7-911-018	NetworkSupport	*CTL	[- / - / -]
7-911-020	Cover Interposer	*CTL	[- / - / -]
7-911-022	BIOS	*CTL	[- / - / -]
7-911-023	HDD Format Option	*CTL	[- / - / -]
7-911-025	Folding Unit	*CTL	[- / - / -]
7-911-028	LCT2	*CTL	[- / - / -]
7-911-029	RB PCB 1	*CTL	[- / - / -]
7-911-030	RB PCB 2	*CTL	[- / - / -]
7-911-031	PB PCB 1	*CTL	[- / - / -]
7-911-032	PB PCB 2	*CTL	[- / - / -]
7-911-033	PB PCB 3	*CTL	[- / - / -]
7-911-034	PB PCB 4	*CTL	[- / - / -]
7-911-035	PB PCB 5	*CTL	[- / - / -]
7-911-036	Stacker 1	*CTL	[- / - / -]

7-911-037	Stacker 2	*CTL	[- / - / -]
7-911-042	TDCU	*CTL	[- / - / -]
7-911-043	LCT3	*CTL	[- / - / -]
7-911-044	Fin_IFBox	*CTL	[- / - / -]
7-911-045	DTU	*CTL	[- / - / -]
7-911-046	DTU_CONFIG	*CTL	[- / - / -]
7-911-132	NetWare	*CTL	[- / - / -]
7-911-200	Factory	*CTL	[- / - / -]
7-911-202	NetworkDocBox	*CTL	[- / - / -]
7-911-204	Printer	*CTL	[- / - / -]
7-911-210	MIB	*CTL	[- / - / -]
7-911-211	Websupport	*CTL	[- / - / -]
7-911-212	WebUapl	*CTL	[- / - / -]
7-911-213	SDK1	*CTL	[- / - / -]
7-911-214	SDK2	*CTL	[- / - / -]
7-911-215	SDK3	*CTL	[- / - / -]
7-911-250	Package	*CTL	[- / - / -]

7940	[Drive Distance:End Std Value]		
	Displays the standard end value for the drive distance.		
7-940-001	#Development Unit(Bk)	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-002	Developer(Bk)	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-003	Development Unit(Bk):Vent Filter	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 999999999 / 657373 / 1 m/step]

7-940-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-009	PCU CL(Bk):Lubricant	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-010	PCU CL(Bk):Collection Blade	ENG	[0 to 999999999 / 657373 / 1 m/step]
7-940-012	#Charge Unit(Bk)	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-013	Charge Unit(Bk):Grid	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-015	Charge Unit(Bk):Cushion	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 999999999 / 328849 / 1 m/step]
7-940-020	#Photoconductor Unit(Bk)	ENG	[0 to 999999999 / 913469 / 1 m/step]
7-940-022	#Development Unit(C)	ENG	[0 to 999999999 / 99999999 / 1 m/step]
7-940-023	Developer(C)	ENG	[0 to 999999999 / 99999999 / 1 m/step]

7-940-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-033	#Charge Unit(C)	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 919776 / 1 m/step]

7-940-043	#Development Unit(M)	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-044	Developer(M)	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-045	Development Unit(M):Vent Filter	ENG	[0 to 999999999 / 999999999 / 1 m/step]
7-940-046	#PCU Cleaning Unit(M)	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-047	PCU CL(M):Cleaning Blade	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-048	PCU CL(M):Cleaning Roller	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-049	PCU CL(M):Lubrication Blade	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-050	PCU CL(M):Lubrication Roller	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-051	PCU CL(M):Lubricant	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-052	PCU CL(M):Collection Blade	ENG	[0 to 999999999 / 661426 / 1 m/step]
7-940-054	#Charge Unit(M)	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-055	Charge Unit(M):Grid	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-056	Charge Unit(M):Corona Wire	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-057	Charge Unit(M):Cushion	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 999999999 / 331119 / 1 m/step]

7-940-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 919776 / 1 m/step]
7-940-064	#Development Unit(Y)	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-065	Developer(Y)	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 661426 / 1 m/step]
7-940-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 331119 / 1 m/step]

7-940-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-081	Charge Unit(Y):Tension Spring	ENG	[0 to 999999999 / 331119 / 1 m/step]
7-940-083	#Photoconductor Unit(Y)	ENG	[0 to 999999999 / 919776 / 1 m/step]
7-940-085	#Intermediate Transfer Belt	ENG	[0 to 999999999 / 877865 / 1 m/step]
7-940-086	#Image Transfer Roller(Bk)	ENG	[0 to 999999999 / 658399 / 1 m/step]
7-940-087	#Image Transfer Roller(C)	ENG	[0 to 999999999 / 658399 / 1 m/step]
7-940-088	#Image Transfer Roller(M)	ENG	[0 to 999999999 / 658399 / 1 m/step]
7-940-089	#Image Transfer Roller(Y)	ENG	[0 to 999999999 / 658399 / 1 m/step]
7-940-090	#Paper Transfer Bias Roller	ENG	[0 to 999999999 / 658399 / 1 m/step]
7-940-091	#ITB Cleaning Unit	ENG	[0 to 999999999 / 329200 / 1 m/step]
7-940-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 999999999 / 329200 / 1 m/step]
7-940-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 999999999 / 329200 / 1 m/step]
7-940-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 999999999 / 329200 / 1 m/step]
7-940-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 999999999 / 329200 / 1 m/step]
7-940-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 999999999 / 329200 / 1 m/step]

7-940-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 329200 / 1 m/step]
7-940-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 319837 / 1 m/step]
7-940-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 319837 / 1 m/step]
7-940-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 319837 / 1 m/step]
7-940-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 319837 / 1 m/step]
7-940-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 319837 / 1 m/step]
7-940-112	#Fuser Unit	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 99999999 / 1 m/step]

7-940-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 328849 / 1 m/step]
7-940-122	#Dust Filter(C)	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-123	#Dust Filter(M)	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 331119 / 1 m/step]
7-940-125	#Ozone Filter	ENG	[0 to 99999999 / 438465 / 1 m/step]
7-940-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 80385 / 1 m/step]
7-940-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 99999999 / 1 m/step]
7-940-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 99999999 / 1 m/step]

7942	[Drive Distance % Counter]		
	Displays ratio for the standard end value of the drive distance counter.		
7-942-001	#Development Unit(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-002	Developer(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 0 / 1%/step]
7-942-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 0 / 1%/step]

7-942-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-012	#Charge Unit(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 0 / 1%/step]
7-942-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 0 / 1%/step]
7-942-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-022	#Development Unit(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-023	Developer(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 0 / 1%/step]
7-942-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-033	#Charge Unit(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-034	Charge Unit(C):Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 0 / 1%/step]

7-942-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 0 / 1%/step]
7-942-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-043	#Development Unit(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-044	Developer(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 0 / 1%/step]
7-942-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-054	#Charge Unit(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-055	Charge Unit(M):Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 0 / 1%/step]
7-942-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 0 / 1%/step]
7-942-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-064	#Development Unit(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-065	Developer(Y)	ENG	[0 to 255 / 0 / 1%/step]

7-942-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 0 / 1%/step]
7-942-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-075	#Charge Unit(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 0 / 1%/step]
7-942-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 0 / 1%/step]
7-942-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1%/step]
7-942-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 0 / 1%/step]
7-942-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 0 / 1%/step]
7-942-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-091	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1%/step]
7-942-092	ITB Cleaning Unit:Cleaning Roller: 1 st	ENG	[0 to 255 / 0 / 1%/step]

7-942-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 255 / 0 / 1%/step]
7-942-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 255 / 0 / 1%/step]
7-942-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 0 / 1%/step]
7-942-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 0 / 1%/step]
7-942-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 0 / 1%/step]
7-942-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 0 / 1%/step]
7-942-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 0 / 1%/step]
7-942-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 0 / 1%/step]
7-942-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 0 / 1%/step]
7-942-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-106	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1%/step]
7-942-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 0 / 1%/step]
7-942-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 0 / 1%/step]
7-942-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 0 / 1%/step]
7-942-112	#Fuser Unit	ENG	[0 to 255 / 0 / 1%/step]
7-942-113	Fuser Unit:Belt	ENG	[0 to 255 / 0 / 1%/step]

7-942-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 0 / 1%/step]
7-942-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 0 / 1%/step]
7-942-118	#Fuser Belt Smoothing Roller	ENG	[0 to 255 / 0 / 1%/step]
7-942-119	#Fuser Cleaning Unit	ENG	[0 to 255 / 0 / 1%/step]
7-942-121	#Dust Filter(Bk)	ENG	[0 to 255 / 0 / 1%/step]
7-942-122	#Dust Filter(C)	ENG	[0 to 255 / 0 / 1%/step]
7-942-123	#Dust Filter(M)	ENG	[0 to 255 / 0 / 1%/step]
7-942-124	#Dust Filter(Y)	ENG	[0 to 255 / 0 / 1%/step]
7-942-125	#Ozone Filter	ENG	[0 to 255 / 0 / 1%/step]
7-942-130	#Waste Toner Bottle	ENG	[0 to 255 / 0 / 1%/step]
7-942-132	#Paper Cooling Belt:Upper	ENG	[0 to 255 / 0 / 1%/step]
7-942-133	#Paper Cooling Belt:Lower	ENG	[0 to 255 / 0 / 1%/step]

7944	[Drive Distance Counter]		
	Displays the drive distance counter.		
7-944-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]

7-944-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]

7-944-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]

7-944-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-092	ITB Cleaning Unit:Cleaning Roller: 1 st	ENG	[0 to 99999999 / 0 / 1 m/step]
7-944-093	ITB Cleaning Unit:Cleaning Blade: 1 st	ENG	[0 to 99999999 / 0 / 1 m/step]

7-944-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-102	#ITB:Lubrication Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-106	#Paper Transfer Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-110	Paper Transfer Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-112	#Fuser Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-113	Fuser Unit:Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-114	Fuser Unit:Fusing Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-115	Fuser Unit:Pressure Roller	ENG	[0 to 999999999 / 0 / 1 m/step]

7-944-116	Fuser Unit:Thermistor	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-117	Fuser Unit:Separation Pad	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-118	#Fuser Belt Smoothing Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-119	#Fuser Cleaning Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-121	#Dust Filter(Bk)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-122	#Dust Filter(C)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-123	#Dust Filter(M)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-124	#Dust Filter(Y)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-125	#Ozone Filter	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-130	#Waste Toner Bottle	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-132	#Paper Cooling Belt:Upper	ENG	[0 to 999999999 / 0 / 1 m/step]
7-944-133	#Paper Cooling Belt:Lower	ENG	[0 to 999999999 / 0 / 1 m/step]

Group 7000 (4/5)

SP7-945 to -952 (Data Log)

7945	[Drive Dist History:Latest 1]		
	Displays the latest history for the drive distance counter.		
7-945-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1 m/step]

7-945-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]

7-945-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]

7-945-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-081	Charge Unit(Y):Tension Spring	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-083	#Photoconductor Unit(Y)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-085	#Intermediate Transfer Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-086	#Image Transfer Roller(Bk)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-087	#Image Transfer Roller(C)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-088	#Image Transfer Roller(M)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-089	#Image Transfer Roller(Y)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-090	#Paper Transfer Bias Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-091	#ITB Cleaning Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-945-102	#ITB:Lubrication Unit	ENG	[0 to 999999999 / 0 / 1 m/step]

7-945-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-112	#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-118	#Fuser Belt Smoothing Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-119	#Fuser Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-122	#Dust Filter(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-123	#Dust Filter(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-125	#Ozone Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-130	#Waste Toner Bottle	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-132	#Paper Cooling Belt:Upper	ENG	[0 to 99999999 / 0 / 1 m/step]
7-945-133	#Paper Cooling Belt:Lower	ENG	[0 to 99999999 / 0 / 1 m/step]

7946	[Drive Dist History:Latest 2]		
	Displays the 2 nd latest history for the drive distance counter.		
7-946-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]

7-946-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]

7-946-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1 m/step]
7-946-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1 m/step]

7-946-085	#Intermediate Transfer Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-086	#Image Transfer Roller(Bk)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-087	#Image Transfer Roller(C)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-088	#Image Transfer Roller(M)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-089	#Image Transfer Roller(Y)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-090	#Paper Transfer Bias Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-091	#ITB Cleaning Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-102	#ITB:Lubrication Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-106	#Paper Transfer Unit	ENG	[0 to 999999999 / 0 / 1 m/step]

7-946-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-110	Paper Transfer Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-112	#Fuser Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-113	Fuser Unit:Belt	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-114	Fuser Unit:Fusing Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-115	Fuser Unit:Pressure Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-116	Fuser Unit:Thermistor	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-117	Fuser Unit:Separation Pad	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-118	#Fuser Belt Smoothing Roller	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-119	#Fuser Cleaning Unit	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-121	#Dust Filter(Bk)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-122	#Dust Filter(C)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-123	#Dust Filter(M)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-124	#Dust Filter(Y)	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-125	#Ozone Filter	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-130	#Waste Toner Bottle	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-132	#Paper Cooling Belt:Upper	ENG	[0 to 999999999 / 0 / 1 m/step]
7-946-133	#Paper Cooling Belt:Lower	ENG	[0 to 999999999 / 0 / 1 m/step]

7950	[Replacement Date]
	Displays last replacement date for each part. Displays as yymmdd.

7-950-001	#Development Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-002	Developer(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-003	Development Unit(Bk):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-950-004	#PCU Cleaning Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-005	PCU CL(Bk):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-006	PCU CL(Bk):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-007	PCU CL(Bk):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-008	PCU CL(Bk):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-009	PCU CL(Bk):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-010	PCU CL(Bk):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-012	#Charge Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-013	Charge Unit(Bk):Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-014	Charge Unit(Bk):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-015	Charge Unit(Bk):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-950-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-018	Charge Unit(Bk):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-950-020	#Photoconductor Unit(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-022	#Development Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-023	Developer(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-024	Development Unit(C):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-950-025	#PCU Cleaning Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-026	PCU CL(C):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-027	PCU CL(C):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-028	PCU CL(C):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]

7-950-029	PCU CL(C):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-030	PCU CL(C):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-031	PCU CL(C):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-033	#Charge Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-034	Charge Unit(C):Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-035	Charge Unit(C):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-036	Charge Unit(C):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-950-037	Charge Unit(C):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-039	Charge Unit(C):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-950-041	#Photoconductor Unit(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-043	#Development Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-044	Developer(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-045	Development Unit(M):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-950-046	#PCU Cleaning Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-047	PCU CL(M):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-048	PCU CL(M):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-049	PCU CL(M):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-050	PCU CL(M):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-051	PCU CL(M):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-052	PCU CL(M):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-054	#Charge Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-055	Charge Unit(M):Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-056	Charge Unit(M):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-057	Charge Unit(M):Cushion	ENG	[0 or 1 / 0 / 1/step]

7-950-058	Charge Unit(M):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-060	Charge Unit(M):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-950-062	#Photoconductor Unit(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-064	#Development Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-065	Developer(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-066	Development Unit(Y):Vent Filter	ENG	[0 or 1 / 0 / 1/step]
7-950-067	#PCU Cleaning Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-068	PCU CL(Y):Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-069	PCU CL(Y):Cleaning Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-070	PCU CL(Y):Lubrication Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-071	PCU CL(Y):Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-072	PCU CL(Y):Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-073	PCU CL(Y):Collection Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-075	#Charge Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-076	Charge Unit(Y):Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-077	Charge Unit(Y):Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-078	Charge Unit(Y):Cushion	ENG	[0 or 1 / 0 / 1/step]
7-950-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 or 1 / 0 / 1/step]
7-950-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 or 1 / 0 / 1/step]
7-950-081	Charge Unit(Y):Tension Spring	ENG	[0 or 1 / 0 / 1/step]
7-950-083	#Photoconductor Unit(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-085	#Intermediate Transfer Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-086	#Image Transfer Roller(Bk)	ENG	[0 or 1 / 0 / 1/step]

7-950-087	#Image Transfer Roller(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-088	#Image Transfer Roller(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-089	#Image Transfer Roller(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-090	#Paper Transfer Bias Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-091	#ITB Cleaning Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-092	ITB Cleaning Unit:Cleaning Roller: 1st	ENG	[0 or 1 / 0 / 1/step]
7-950-093	ITB Cleaning Unit:Cleaning Blade: 1st	ENG	[0 or 1 / 0 / 1/step]
7-950-094	ITB Cleaning Unit:Collection Roller: 1st	ENG	[0 or 1 / 0 / 1/step]
7-950-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 or 1 / 0 / 1/step]
7-950-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 or 1 / 0 / 1/step]
7-950-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 or 1 / 0 / 1/step]
7-950-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 or 1 / 0 / 1/step]
7-950-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 or 1 / 0 / 1/step]
7-950-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 or 1 / 0 / 1/step]
7-950-102	#ITB:Lubrication Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-104	ITB Lubrication Unit:Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-106	#Paper Transfer Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 or 1 / 0 / 1/step]

7-950-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 or 1 / 0 / 1/step]
7-950-110	Paper Transfer Unit:Lubricant	ENG	[0 or 1 / 0 / 1/step]
7-950-112	#Fuser Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-113	Fuser Unit:Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-114	Fuser Unit:Fusing Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-115	Fuser Unit:Pressure Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-116	Fuser Unit:Thermistor	ENG	[0 or 1 / 0 / 1/step]
7-950-117	Fuser Unit:Separation Pad	ENG	[0 or 1 / 0 / 1/step]
7-950-121	#Dust Filter(Bk)	ENG	[0 or 1 / 0 / 1/step]
7-950-122	#Dust Filter(C)	ENG	[0 or 1 / 0 / 1/step]
7-950-123	#Dust Filter(M)	ENG	[0 or 1 / 0 / 1/step]
7-950-124	#Dust Filter(Y)	ENG	[0 or 1 / 0 / 1/step]
7-950-125	#Ozone Filter	ENG	[0 or 1 / 0 / 1/step]
7-950-130	#Waste Toner Bottle	ENG	[0 or 1 / 0 / 1/step]
7-950-132	#Paper Cooling Belt:Upper	ENG	[0 or 1 / 0 / 1/step]
7-950-133	#Paper Cooling Belt:Lower	ENG	[0 or 1 / 0 / 1/step]
7-950-136	#Tray1:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-140	#Tray2:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 or 1 / 0 / 1/step]

7-950-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-168	#Bypass Tray	ENG	[0 or 1 / 0 / 1/step]
7-950-169	Bypass Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-170	Bypass Tray:Feed Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-171	Bypass Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-172	#Interposer Upper Tray	ENG	[0 or 1 / 0 / 1/step]
7-950-173	Interposer Upper Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-174	Interposer Upper Tray:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-175	Interposer Upper Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-176	#Interposer Lower Tray	ENG	[0 or 1 / 0 / 1/step]
7-950-177	Interposer Lower Tray:Pickup Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-178	Interposer Lower Tray:Feed Belt	ENG	[0 or 1 / 0 / 1/step]
7-950-179	Interposer Lower Tray:Separate Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-198	Trimming Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-199	Trimming Catcher	ENG	[0 or 1 / 0 / 1/step]
7-950-200	Rotation Clamp Pad	ENG	[0 or 1 / 0 / 1/step]
7-950-201	Stack Rotation Vibrating Plate	ENG	[0 or 1 / 0 / 1/step]
7-950-203	Switchback Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-204	Ripple Idle Roller (Center)	ENG	[0 or 1 / 0 / 1/step]
7-950-205	Ripple Idle Rollers	ENG	[0 or 1 / 0 / 1/step]
7-950-206	TE Press Roller (large)	ENG	[0 or 1 / 0 / 1/step]
7-950-207	TE Press Roller (Small)	ENG	[0 or 1 / 0 / 1/step]
7-950-209	Spine Fold Harness (right)	ENG	[0 or 1 / 0 / 1/step]

7-950-210	Spine Fold Harness (left)	ENG	[0 or 1 / 0 / 1/step]
7-950-211	Signature Transport Harness	ENG	[0 or 1 / 0 / 1/step]
7-950-213	Stack Rotation Up-down Harness	ENG	[0 or 1 / 0 / 1/step]
7-950-214	Stack Rotation Grip Harness	ENG	[0 or 1 / 0 / 1/step]
7-950-215	Stack Rotate Press LED Harness	ENG	[0 or 1 / 0 / 1/step]
7-950-217	Pick-up Roller Upper	ENG	[0 or 1 / 0 / 1/step]
7-950-218	Separation Roller Upper	ENG	[0 or 1 / 0 / 1/step]
7-950-219	Feed Roller Upper	ENG	[0 or 1 / 0 / 1/step]
7-950-221	Pick-up Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-950-222	Separation Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-950-223	Feed Roller Lower	ENG	[0 or 1 / 0 / 1/step]
7-950-225	Blade Cradle	ENG	[0 or 1 / 0 / 1/step]
7-950-226	Switchback Torque Limiter	ENG	[0 or 1 / 0 / 1/step]
7-950-227	Deodorant Filter (Upper&Lower)	ENG	[0 or 1 / 0 / 1/step]
7-950-228	Cover Feed Switchback Roller	ENG	[0 or 1 / 0 / 1/step]
7-950-229	Jogger Motor	ENG	[0 or 1 / 0 / 1/step]
7-950-230	Main Grip Motor	ENG	[0 or 1 / 0 / 1/step]
7-950-231	Signature Thickness Sensor	ENG	[0 or 1 / 0 / 1/step]
7-950-232	Signature Rotate Torque Diode	ENG	[0 or 1 / 0 / 1/step]
7-950-233	Trimnings Buffer Motor	ENG	[0 or 1 / 0 / 1/step]
7-950-234	Signature Press Trq Lmt Clutch	ENG	[0 or 1 / 0 / 1/step]
7-950-236	Ball Screw Unit	ENG	[0 or 1 / 0 / 1/step]
7-950-237	Sign/Stacking Discharger	ENG	[0 or 1 / 0 / 1/step]
7-950-238	Horizontal/Reg Discharger	ENG	[0 or 1 / 0 / 1/step]
7-950-239	Booklet Stack Drawer Connector	ENG	[0 or 1 / 0 / 1/step]

7-950-240	Edge Press Plate Sproket Ass'y	ENG	[0 or 1 / 0 / 1/step]
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7951	[Remain Day Counter: Pages]		
	Displays the remaining days calculated by page counter.		
7-951-001	#Development Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-002	Developer(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-951-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-012	#Charge Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-951-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-951-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-022	#Development Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-023	Developer(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]

7-951-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-033	#Charge Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-034	Charge Unit(C):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-951-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-951-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-043	#Development Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-044	Developer(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-951-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]

7-951-054	#Charge Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-055	Charge Unit(M):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-951-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-951-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-064	#Development Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-065	Developer(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-951-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-075	#Charge Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-951-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-951-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-951-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]

7-951-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-951-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-091	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-951-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-951-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-951-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-951-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-951-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-951-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]

7-951-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-106	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-951-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-951-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-951-112	#Fuser Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-951-113	Fuser Unit:Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 255 / 1 day/step]
7-951-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 255 / 1 day/step]
7-951-121	#Dust Filter(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-122	#Dust Filter(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-123	#Dust Filter(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-124	#Dust Filter(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-951-125	#Ozone Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-951-136	#Tray1:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-140	#Tray2:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]

7-951-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-168	#Bypass Tray	ENG	[0 to 255 / 255 / 1 day/step]
7-951-169	Bypass Tray:Pickup Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-170	Bypass Tray:Feed Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-171	Bypass Tray:Separate Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-172	#Interposer Upper Tray	ENG	[0 to 255 / 255 / 1 day/step]
7-951-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-176	#Interposer Lower Tray	ENG	[0 to 255 / 255 / 1 day/step]
7-951-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-951-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-951-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 255 / 255 / 1 day/step]

7952	[Remain Day Counter: Distance]		
	Displays the remaining days calculated by distance counter.		
7-952-001	#Development Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-002	Developer(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-952-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]

7-952-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-012	#Charge Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-952-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-952-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-022	#Development Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-023	Developer(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-952-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-033	#Charge Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-034	Charge Unit(C):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-952-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]

7-952-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-952-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-043	#Development Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-044	Developer(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-952-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-054	#Charge Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-055	Charge Unit(M):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-952-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-952-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-064	#Development Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-065	Developer(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]

7-952-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-075	#Charge Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-952-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-952-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-952-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-952-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-952-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-091	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-952-092	ITB Cleaning Unit:Cleaning Roller: 1 st	ENG	[0 to 255 / 255 / 1 day/step]
7-952-093	ITB Cleaning Unit:Cleaning Blade: 1 st	ENG	[0 to 255 / 255 / 1 day/step]

7-952-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-952-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-952-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-952-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-106	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-952-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-952-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-952-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-952-112	#Fuser Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-952-113	Fuser Unit:Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-952-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-952-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 255 / 1 day/step]

7-952-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 255 / 1 day/step]
7-952-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 255 / 1 day/step]
7-952-121	#Dust Filter(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-122	#Dust Filter(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-123	#Dust Filter(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-124	#Dust Filter(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-952-125	#Ozone Filter	ENG	[0 to 255 / 255 / 1 day/step]

Group 7000 (5/5)

SP7-954 to -989 (Data Log)

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7954	[Pg Counter(%)]		
	Displays the ratio to Drive Pages Counter End Standard Value.		
7-954-001	#Development Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-002	Developer(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-954-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-954-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-012	#Charge Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-954-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-954-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-022	#Development Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-023	Developer(C)	ENG	[0 to 255 / 0 / 1/step]

7-954-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-954-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-954-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-033	#Charge Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-034	Charge Unit(C):Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-954-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-954-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-043	#Development Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-044	Developer(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-954-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 0 / 1/step]

7-954-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-054	#Charge Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-055	Charge Unit(M):Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-954-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-954-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-064	#Development Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-065	Developer(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-954-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-954-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-075	#Charge Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 0 / 1/step]
7-954-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-954-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]

7-954-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-954-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-954-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-091	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1/step]
7-954-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 255 / 0 / 1/step]
7-954-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 255 / 0 / 1/step]
7-954-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 255 / 0 / 1/step]
7-954-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 0 / 1/step]
7-954-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 0 / 1/step]
7-954-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 0 / 1/step]
7-954-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 0 / 1/step]
7-954-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 0 / 1/step]
7-954-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 0 / 1/step]
7-954-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 0 / 1/step]

7-954-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-954-106	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1/step]
7-954-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-954-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-954-112	#Fuser Unit	ENG	[0 to 255 / 0 / 1/step]
7-954-113	Fuser Unit:Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 0 / 1/step]
7-954-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 0 / 1/step]
7-954-121	#Dust Filter(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-954-122	#Dust Filter(C)	ENG	[0 to 255 / 0 / 1/step]
7-954-123	#Dust Filter(M)	ENG	[0 to 255 / 0 / 1/step]
7-954-124	#Dust Filter(Y)	ENG	[0 to 255 / 0 / 1/step]
7-954-125	#Ozone Filter	ENG	[0 to 255 / 0 / 1/step]
7-954-130	#Waste Toner Bottle	ENG	[0 to 255 / 0 / 1/step]
7-954-132	#Paper Cooling Belt:Upper	ENG	[0 to 255 / 0 / 1/step]
7-954-133	#Paper Cooling Belt:Lower	ENG	[0 to 255 / 0 / 1/step]
7-954-136	#Tray1:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-140	#Tray2:Feed Belt	ENG	[0 to 255 / 0 / 1/step]

7-954-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-168	#Bypass Tray	ENG	[0 to 255 / 0 / 1/step]
7-954-169	Bypass Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-170	Bypass Tray:Feed Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-171	Bypass Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-172	#Interposer Upper Tray	ENG	[0 to 255 / 0 / 1/step]
7-954-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-176	#Interposer Lower Tray	ENG	[0 to 255 / 0 / 1/step]
7-954-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-954-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-198	Trimming Unit	ENG	[0 to 255 / 0 / 1/step]
7-954-199	Trimming Catcher	ENG	[0 to 255 / 0 / 1/step]
7-954-200	Rotation Clamp Pad	ENG	[0 to 255 / 0 / 1/step]
7-954-201	Stack Rotation Vibrating Plate	ENG	[0 to 255 / 0 / 1/step]
7-954-203	Switchback Roller	ENG	[0 to 255 / 0 / 1/step]

7-954-204	Ripple Idle Roller (Center)	ENG	[0 to 255 / 0 / 1/step]
7-954-205	Ripple Idle Rollers	ENG	[0 to 255 / 0 / 1/step]
7-954-206	TE Press Roller (large)	ENG	[0 to 255 / 0 / 1/step]
7-954-207	TE Press Roller (Small)	ENG	[0 to 255 / 0 / 1/step]
7-954-209	Spine Fold Harness (right)	ENG	[0 to 255 / 0 / 1/step]
7-954-210	Spine Fold Harness (left)	ENG	[0 to 255 / 0 / 1/step]
7-954-211	Signature Transport Harness	ENG	[0 to 255 / 0 / 1/step]
7-954-213	Stack Rotation Up-down Harness	ENG	[0 to 255 / 0 / 1/step]
7-954-214	Stack Rotation Grip Harness	ENG	[0 to 255 / 0 / 1/step]
7-954-215	Stack Rotate Press LED Harness	ENG	[0 to 255 / 0 / 1/step]
7-954-217	Pick-up Roller Upper	ENG	[0 to 255 / 0 / 1/step]
7-954-218	Separation Roller Upper	ENG	[0 to 255 / 0 / 1/step]
7-954-219	Feed Roller Upper	ENG	[0 to 255 / 0 / 1/step]
7-954-221	Pick-up Roller Lower	ENG	[0 to 255 / 0 / 1/step]
7-954-222	Separation Roller Lower	ENG	[0 to 255 / 0 / 1/step]
7-954-223	Feed Roller Lower	ENG	[0 to 255 / 0 / 1/step]
7-954-225	Blade Cradle	ENG	[0 to 255 / 0 / 1/step]
7-954-226	Switchback Torque Limiter	ENG	[0 to 255 / 0 / 1/step]
7-954-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 255 / 0 / 1/step]
7-954-228	Cover Feed Switchback Roller	ENG	[0 to 255 / 0 / 1/step]
7-954-229	Jogger Motor	ENG	[0 to 255 / 0 / 1/step]
7-954-230	Main Grip Motor	ENG	[0 to 255 / 0 / 1/step]
7-954-231	Signature Thickness Sensor	ENG	[0 to 255 / 0 / 1/step]
7-954-232	Signature Rotate Torque Diode	ENG	[0 to 255 / 0 / 1/step]
7-954-233	Trimmings Buffer Motor	ENG	[0 to 255 / 0 / 1/step]

7-954-234	Signature Press Trq Lmt Clutch	ENG	[0 to 255 / 0 / 1/step]
7-954-236	Ball Screw Unit	ENG	[0 to 255 / 0 / 1/step]
7-954-237	Sign/Stacking Discharger	ENG	[0 to 255 / 0 / 1/step]
7-954-238	Horizontal/Reg Discharger	ENG	[0 to 255 / 0 / 1/step]
7-954-239	Booklet Stack Drawer Connector	ENG	[0 to 255 / 0 / 1/step]
7-954-240	Edge Press Plate Sprocket Ass'y	ENG	[0 to 255 / 0 / 1/step]

7955	[Estimated Remain Pages]		
	Displays the estimated remaining pages calculated by page counter and distance counter.		
7-955-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-955-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-955-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-955-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-955-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-955-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-102	#ITB:Lubrication Unit	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-106	#Paper Transfer Unit	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-110	Paper Transfer Unit:Lubricant	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-112	#Fuser Unit	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-113	Fuser Unit:Belt	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-114	Fuser Unit:Fusing Roller	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-115	Fuser Unit:Pressure Roller	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-116	Fuser Unit:Thermistor	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-117	Fuser Unit:Separation Pad	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-121	#Dust Filter(Bk)	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-122	#Dust Filter(C)	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-123	#Dust Filter(M)	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-124	#Dust Filter(Y)	ENG	[0 to 999999999 / 0 / 1 sheet/step]
7-955-125	#Ozone Filter	ENG	[0 to 999999999 / 0 / 1 sheet/step]

7956	[Estimated Remain Days]		
	Displays the estimated remaining days calculated by page counter and distance counter.		
7-956-001	#Development Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-002	Developer(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-956-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-956-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-012	#Charge Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-956-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-956-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-022	#Development Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-023	Developer(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-956-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]

7-956-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-956-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-033	#Charge Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-034	Charge Unit(C):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-956-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-956-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-043	#Development Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-044	Developer(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-956-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-956-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-054	#Charge Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]

7-956-055	Charge Unit(M):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-956-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]
7-956-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-064	#Development Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-065	Developer(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 255 / 1 day/step]
7-956-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-956-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-075	#Charge Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 255 / 1 day/step]
7-956-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 255 / 1 day/step]
7-956-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 255 / 1 day/step]
7-956-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 255 / 1 day/step]

7-956-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-956-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-091	#ITB Cleaning Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-956-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-956-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-956-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 255 / 255 / 1 day/step]
7-956-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 255 / 1 day/step]
7-956-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-956-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]

7-956-106	#Paper Transfer Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-956-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-956-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 255 / 1 day/step]
7-956-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 255 / 1 day/step]
7-956-112	#Fuser Unit	ENG	[0 to 255 / 255 / 1 day/step]
7-956-113	Fuser Unit:Belt	ENG	[0 to 255 / 255 / 1 day/step]
7-956-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 255 / 1 day/step]
7-956-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 255 / 1 day/step]
7-956-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 255 / 1 day/step]
7-956-121	#Dust Filter(Bk)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-122	#Dust Filter(C)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-123	#Dust Filter(M)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-124	#Dust Filter(Y)	ENG	[0 to 255 / 255 / 1 day/step]
7-956-125	#Ozone Filter	ENG	[0 to 255 / 255 / 1 day/step]

7957	[Monthly Average Pages]		
	Displays the average of monthly page count.		
7-957-001	#Development Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-002	Developer(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-003	Development Unit(Bk):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-957-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-009	PCU CL(Bk):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-010	PCU CL(Bk):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-012	#Charge Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-013	Charge Unit(Bk):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-015	Charge Unit(Bk):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-020	#Photoconductor Unit(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-022	#Development Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-023	Developer(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-024	Development Unit(C):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-025	#PCU Cleaning Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-026	PCU CL(C):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-027	PCU CL(C):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-028	PCU CL(C):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-029	PCU CL(C):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-030	PCU CL(C):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-031	PCU CL(C):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-033	#Charge Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-034	Charge Unit(C):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-957-035	Charge Unit(C):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-036	Charge Unit(C):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-039	Charge Unit(C):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-041	#Photoconductor Unit(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-043	#Development Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-044	Developer(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-045	Development Unit(M):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-046	#PCU Cleaning Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-047	PCU CL(M):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-048	PCU CL(M):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-049	PCU CL(M):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-050	PCU CL(M):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-051	PCU CL(M):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-052	PCU CL(M):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-054	#Charge Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-055	Charge Unit(M):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-056	Charge Unit(M):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-057	Charge Unit(M):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-060	Charge Unit(M):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-062	#Photoconductor Unit(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-957-064	#Development Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-065	Developer(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-066	Development Unit(Y):Vent Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-067	#PCU Cleaning Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-072	PCU CL(Y):Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-073	PCU CL(Y):Collection Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-075	#Charge Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-076	Charge Unit(Y):Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-077	Charge Unit(Y):Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-078	Charge Unit(Y):Cushion	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-081	Charge Unit(Y):Tension Spring	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-083	#Photoconductor Unit(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-085	#Intermediate Transfer Belt	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-086	#Image Transfer Roller(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-087	#Image Transfer Roller(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-088	#Image Transfer Roller(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-089	#Image Transfer Roller(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-090	#Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-091	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-957-092	ITB Cleaning Unit:Cleaning Roller:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-093	ITB Cleaning Unit:Cleaning Blade:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-094	ITB Cleaning Unit:Collection Roller:1st	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-102	#ITB:Lubrication Unit	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-106	#Paper Transfer Unit	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-110	Paper Transfer Unit:Lubricant	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-112	#Fuser Unit	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7-957-113	Fuser Unit:Belt	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-114	Fuser Unit:Fusing Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-115	Fuser Unit:Pressure Roller	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-116	Fuser Unit:Thermistor	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-117	Fuser Unit:Separation Pad	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-121	#Dust Filter(Bk)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-122	#Dust Filter(C)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-123	#Dust Filter(M)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-124	#Dust Filter(Y)	ENG	[0 to 99999999 / 0 / 1 sheet/step]
7-957-125	#Ozone Filter	ENG	[0 to 99999999 / 0 / 1 sheet/step]

7960	[Estimated Usage Rate]		
	Displays the estimated usage rate calculated by page counter and distance counter.		
7-960-001	#Development Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-002	Developer(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-003	Development Unit(Bk):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-960-004	#PCU Cleaning Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-005	PCU CL(Bk):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-006	PCU CL(Bk):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-007	PCU CL(Bk):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-008	PCU CL(Bk):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-009	PCU CL(Bk):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-010	PCU CL(Bk):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-012	#Charge Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-013	Charge Unit(Bk):Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-014	Charge Unit(Bk):Corona Wire	ENG	[0 to 255 / 0 / 1/step]

7-960-015	Charge Unit(Bk):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-960-016	Charge Unit(Bk):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-017	Charge Unit(Bk):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-018	Charge Unit(Bk):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-960-020	#Photoconductor Unit(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-022	#Development Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-023	Developer(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-024	Development Unit(C):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-960-025	#PCU Cleaning Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-026	PCU CL(C):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-027	PCU CL(C):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-028	PCU CL(C):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-029	PCU CL(C):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-030	PCU CL(C):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-031	PCU CL(C):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-033	#Charge Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-034	Charge Unit(C):Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-035	Charge Unit(C):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-036	Charge Unit(C):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-960-037	Charge Unit(C):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-038	Charge Unit(C):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-039	Charge Unit(C):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-960-041	#Photoconductor Unit(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-043	#Development Unit(M)	ENG	[0 to 255 / 0 / 1/step]

7-960-044	Developer(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-045	Development Unit(M):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-960-046	#PCU Cleaning Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-047	PCU CL(M):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-048	PCU CL(M):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-049	PCU CL(M):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-050	PCU CL(M):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-051	PCU CL(M):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-052	PCU CL(M):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-054	#Charge Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-055	Charge Unit(M):Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-056	Charge Unit(M):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-057	Charge Unit(M):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-960-058	Charge Unit(M):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-059	Charge Unit(M):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-060	Charge Unit(M):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-960-062	#Photoconductor Unit(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-064	#Development Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-065	Developer(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-066	Development Unit(Y):Vent Filter	ENG	[0 to 255 / 0 / 1/step]
7-960-067	#PCU Cleaning Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-068	PCU CL(Y):Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-069	PCU CL(Y):Cleaning Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-070	PCU CL(Y):Lubrication Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-071	PCU CL(Y):Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]

7-960-072	PCU CL(Y):Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-073	PCU CL(Y):Collection Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-075	#Charge Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-076	Charge Unit(Y):Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-077	Charge Unit(Y):Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-078	Charge Unit(Y):Cushion	ENG	[0 to 255 / 0 / 1/step]
7-960-079	Charge Unit(Y):Cleaner:Grid	ENG	[0 to 255 / 0 / 1/step]
7-960-080	Charge Unit(Y):Cleaner:Corona Wire	ENG	[0 to 255 / 0 / 1/step]
7-960-081	Charge Unit(Y):Tension Spring	ENG	[0 to 255 / 0 / 1/step]
7-960-083	#Photoconductor Unit(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-085	#Intermediate Transfer Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-086	#Image Transfer Roller(Bk)	ENG	[0 to 255 / 0 / 1/step]
7-960-087	#Image Transfer Roller(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-088	#Image Transfer Roller(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-089	#Image Transfer Roller(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-090	#Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-091	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1/step]
7-960-092	ITB Cleaning Unit:Cleaning Roller: 1st	ENG	[0 to 255 / 0 / 1/step]
7-960-093	ITB Cleaning Unit:Cleaning Blade: 1st	ENG	[0 to 255 / 0 / 1/step]
7-960-094	ITB Cleaning Unit:Collection Roller: 1st	ENG	[0 to 255 / 0 / 1/step]
7-960-095	ITB Cleaning Unit:Cleaning Roller:2nd	ENG	[0 to 255 / 0 / 1/step]
7-960-096	ITB Cleaning Unit:Cleaning Blade:2nd	ENG	[0 to 255 / 0 / 1/step]

7-960-097	ITB Cleaning Unit:Collection Roller:2nd	ENG	[0 to 255 / 0 / 1/step]
7-960-098	ITB Cleaning Unit:Cleaning Roller:3rd	ENG	[0 to 255 / 0 / 1/step]
7-960-099	ITB Cleaning Unit:Cleaning Blade:3rd	ENG	[0 to 255 / 0 / 1/step]
7-960-100	ITB Cleaning Unit:Collection Roller:3rd	ENG	[0 to 255 / 0 / 1/step]
7-960-102	#ITB:Lubrication Unit	ENG	[0 to 255 / 0 / 1/step]
7-960-103	ITB Lubrication Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-104	ITB Lubrication Unit:Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-106	#Paper Transfer Unit	ENG	[0 to 255 / 0 / 1/step]
7-960-107	Paper Transfer Unit:Paper Transfer Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-108	Paper Transfer Unit:Lubrication Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-109	Paper Transfer Unit:Cleaning Blade	ENG	[0 to 255 / 0 / 1/step]
7-960-110	Paper Transfer Unit:Lubricant	ENG	[0 to 255 / 0 / 1/step]
7-960-112	#Fuser Unit	ENG	[0 to 255 / 0 / 1/step]
7-960-113	Fuser Unit:Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-114	Fuser Unit:Fusing Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-115	Fuser Unit:Pressure Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-116	Fuser Unit:Thermistor	ENG	[0 to 255 / 0 / 1/step]
7-960-117	Fuser Unit:Separation Pad	ENG	[0 to 255 / 0 / 1/step]
7-960-118	#Fuser Belt Smoothing Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-119	#Fuser Cleaning Unit	ENG	[0 to 255 / 0 / 1/step]
7-960-121	#Dust Filter(Bk)	ENG	[0 to 255 / 0 / 1/step]

7-960-122	#Dust Filter(C)	ENG	[0 to 255 / 0 / 1/step]
7-960-123	#Dust Filter(M)	ENG	[0 to 255 / 0 / 1/step]
7-960-124	#Dust Filter(Y)	ENG	[0 to 255 / 0 / 1/step]
7-960-125	#Ozone Filter	ENG	[0 to 255 / 0 / 1/step]
7-960-132	#Paper Cooling Belt:Upper	ENG	[0 to 255 / 0 / 1/step]
7-960-133	#Paper Cooling Belt:Lower	ENG	[0 to 255 / 0 / 1/step]
7-960-136	#Tray1:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-140	#Tray2:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-144	#2-Tray LCT:Tray3:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-148	#2-Tray LCT:Tray4:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-152	#2-Tray LCT:Tray5:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-156	#2-Tray LCT:Tray6:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-160	#2-Tray LCT:Tray7:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-164	#2-Tray LCT:Tray8:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-168	#Bypass Tray	ENG	[0 to 255 / 0 / 1/step]
7-960-169	Bypass Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-170	Bypass Tray:Feed Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-171	Bypass Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-172	#Interposer Upper Tray	ENG	[0 to 255 / 0 / 1/step]
7-960-173	Interposer Upper Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-174	Interposer Upper Tray:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-175	Interposer Upper Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-176	#Interposer Lower Tray	ENG	[0 to 255 / 0 / 1/step]
7-960-177	Interposer Lower Tray:Pickup Roller	ENG	[0 to 255 / 0 / 1/step]

7-960-178	Interposer Lower Tray:Feed Belt	ENG	[0 to 255 / 0 / 1/step]
7-960-179	Interposer Lower Tray:Separate Roller	ENG	[0 to 255 / 0 / 1/step]
7-960-198	Trimming Unit	ENG	[0 to 255 / 0 / 1%/step]
7-960-199	Trimming Catcher	ENG	[0 to 255 / 0 / 1%/step]
7-960-200	Rotation Clamp Pad	ENG	[0 to 255 / 0 / 1%/step]
7-960-201	Stack Rotation Vibrating Plate	ENG	[0 to 255 / 0 / 1%/step]
7-960-203	Switchback Roller	ENG	[0 to 255 / 0 / 1%/step]
7-960-204	Ripple Idle Roller (Center)	ENG	[0 to 255 / 0 / 1%/step]
7-960-205	Ripple Idle Rollers	ENG	[0 to 255 / 0 / 1%/step]
7-960-206	TE Press Roller (large)	ENG	[0 to 255 / 0 / 1%/step]
7-960-207	TE Press Roller (Small)	ENG	[0 to 255 / 0 / 1%/step]
7-960-209	Spine Fold Harness (right)	ENG	[0 to 255 / 0 / 1%/step]
7-960-210	Spine Fold Harness (left)	ENG	[0 to 255 / 0 / 1%/step]
7-960-211	Signature Transport Harness	ENG	[0 to 255 / 0 / 1%/step]
7-960-213	Stack Rotation Up-down Harness	ENG	[0 to 255 / 0 / 1%/step]
7-960-214	Stack Rotation Grip Harness	ENG	[0 to 255 / 0 / 1%/step]
7-960-215	Stack Rotate Press LED Harness	ENG	[0 to 255 / 0 / 1%/step]
7-960-217	Pick-up Roller Upper	ENG	[0 to 255 / 0 / 1%/step]
7-960-218	Separation Roller Upper	ENG	[0 to 255 / 0 / 1%/step]
7-960-219	Feed Roller Upper	ENG	[0 to 255 / 0 / 1%/step]
7-960-221	Pick-up Roller Lower	ENG	[0 to 255 / 0 / 1%/step]
7-960-222	Separation Roller Lower	ENG	[0 to 255 / 0 / 1%/step]
7-960-223	Feed Roller Lower	ENG	[0 to 255 / 0 / 1%/step]
7-960-225	Blade Cradle	ENG	[0 to 255 / 0 / 1%/step]

7-960-226	Switchback Torque Limiter	ENG	[0 to 255 / 0 / 1%/step]
7-960-227	Deodorant Filter (Upper&Lower)	ENG	[0 to 255 / 0 / 1%/step]
7-960-228	Cover Feed Switchback Roller	ENG	[0 to 255 / 0 / 1%/step]
7-960-229	Jogger Motor	ENG	[0 to 255 / 0 / 1%/step]
7-960-230	Main Grip Motor	ENG	[0 to 255 / 0 / 1%/step]
7-960-231	Signature Thickness Sensor	ENG	[0 to 255 / 0 / 1%/step]
7-960-232	Signature Rotate Torque Diode	ENG	[0 to 255 / 0 / 1%/step]
7-960-233	Trimmings Buffer Motor	ENG	[0 to 255 / 0 / 1%/step]
7-960-234	Signature Press Trq Lmt Clutch	ENG	[0 to 255 / 0 / 1%/step]
7-960-236	Ball Screw Unit	ENG	[0 to 255 / 0 / 1%/step]
7-960-237	Sign/Stacking Discharger	ENG	[0 to 255 / 0 / 1%/step]
7-960-238	Horizontal/Reg Discharger	ENG	[0 to 255 / 0 / 1%/step]
7-960-239	Booklet Stack Drawer Connector	ENG	[0 to 255 / 0 / 1%/step]
7-960-240	Edge Press Plate Sproket Ass'y	ENG	[0 to 255 / 0 / 1%/step]

7963	[Operation Env. Log:PCU:Bk]		
	This SP displays the distance traveled by the BK PCU so the engine can acclimate operation for the ambient temperature and humidity.		
7-963-001	Temp<=0: 0<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-002	Temp<=5: 0<=Hum<30	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-003	Temp<=5: 30<=Hum<70	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-004	Temp<=5: 70<=Hum<100	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-005	5<Temp<15: 0<=Hum<30	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-006	5<Temp<15: 30<=Hum<55	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-007	5<Temp<15: 55<=Hum<80	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-008	5<Temp<15: 80<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]

7-963-009	15<=Temp<25: 0<=Hum<30	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-010	15<=Temp<25: 30<=Hum<55	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-011	15<=Temp<25: 55<=Hum<80	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-012	15<=Temp<25: 80<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-013	25<=Temp<30: 0<=Hum<30	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-014	25<=Temp<30: 30<=Hum<55	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-015	25<=Temp<30: 55<=Hum<80	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-016	25<=Temp<30: 80<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-017	29<=Temp<32: 0<=Hum<30	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-018	29<=Temp<32: 30<=Hum<55	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-019	29<=Temp<32: 55<=Hum<80	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-020	29<=Temp<32: 80<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]
7-963-021	32<=Temp: 0<=Hum<=100	ENG	[0 to 99999999 / 0 / 1 m/step]

7964	[Operation Env. Log Clear]		
	Touch [EXECUTE] to clear the ambient temperature log.		
7-964-001	Log Clear	ENG	[0 or 1 / 0 / 1/step]

7987	[Drum Motor Error Counter]		
	Drum motor lock condition counts for the four drum motors.		
7-987-001	Drum Motor K	ENG	[0 to 3 / 0 / 1/step]
7-987-002	Drum Motor C	ENG	[0 to 3 / 0 / 1/step]
7-987-003	Drum Motor M	ENG	[0 to 3 / 0 / 1/step]
7-987-004	Drum Motor Y	ENG	[0 to 3 / 0 / 1/step]

7988	[Drum Motor Error Counter Clear]		
	Clears the motor lock condition counts for the four drum motors.		
7-988-001	Drum Motor K	ENG	[0 to 1 / 0 / 1/step]
7-988-002	Drum Motor C	ENG	[0 to 1 / 0 / 1/step]
7-988-003	Drum Motor M	ENG	[0 to 1 / 0 / 1/step]
7-988-004	Drum Motor Y	ENG	[0 to 1 / 0 / 1/step]

7989	[Trim Count (TRIMMER)]		
	Displays the count for the number of cuts performed by the trimmer unit cutting blade.		
7-989-001	Trim Count	ENG	[0 to 99999999 / 0 / 1/step]

Group 8000

SP8-001 to -999 (Data Log 2)

Most of the SPs in this group are prefixed with a letter that indicates the mode of operation (the mode of operation is referred to as an "application"). Before reading the Group 8 Service Table, make sure that you understand what these prefixes mean.

Prefixes	What it means	
T:	Total: (Grand Total).	Grand total of the items counted for all applications.
P:	Print application.	Totals (pages, jobs, etc.) executed for each application.
O:	Other applications (external network applications, for example)	Refers to network applications such as Web Image Monitor. Utilities developed with the SDK (Software Development Kit) will also be counted with this group in the future.

3

Keys and abbreviations in Data Log 2

Abbreviation	What it means
/	"By", e.g. "T:Jobs/Apl" = Total Jobs "by" Application
>	More (2> "2 or more", 4> "4 or more")
AddBook	Address Book
Apl	Application
B/W	Black & White
Bk	Black
C	Cyan
ColCr	Color Create
ColMode	Color Mode
Comb	Combine
Comp	Compression
Deliv	Delivery

Abbreviation	What it means
DesApl	Designated Application. The application (Copy, Fax, Scan, Print) used to store the job on the document server, for example.
Dev Counter	Development Count, no. of pages developed.
Dup, Duplex	Duplex, printing on both sides
Emul	Emulation
FC	Full Color
FIN	Post-print processing, i.e. finishing (punching, stapling, etc.)
Full Bleed	No Margins
GenCopy	Generation Copy Mode
GPC	Get Print Counter. For jobs 10 pages or less, this counter does not count up. For jobs larger than 10 pages, this counter counts up by the number that is in excess of 10 (e.g., for an 11-page job, the counter counts up $11-10=1$)
IFax	Internet Fax
ImgEdt	Image Edit performed on the original with the copier GUI, e.g. border removal, adding stamps, page numbers, etc.
K	Black (YMCK)
LS	Local Storage. Refers to the document server.
LSize	Large (paper) Size
Mag	Magnification
MC	One color (monochrome)
NRS	New Remote Service, which allows a service center to monitor machines remotely. "NRS" is used overseas, and "CSS" is used in Japan.
Org	Original for scanning
OrgJam	Original Jam

Abbreviation	What it means
Palm 2	Print Job Manager/Desk Top Editor: A pair of utilities that allows print jobs to be distributed evenly among the printers on the network, and allows files to move around, combined, and converted to different formats.
PC	Personal Computer
PGS	Pages. A page is the total scanned surface of the original. Duplex pages count as two pages, and A3 simplex count as two pages if the A3/DLT counter SP is switched ON.
PJob	Print Jobs
Ppr	Paper
PrtJam	Printer (plotter) Jam
PrtPGS	Print Pages
R	Red (Toner Remaining). Applies to the wide format model A2 only. This machine is under development and currently not available.
Rez	Resolution
SC	Service Code (Error SC code displayed)
Scn	Scan
Sim, Simplex	Simplex, printing on 1 side.
S-to-Email	Scan-to-E-mail
SMC	SMC report printed with SP5990. All of the Group 8 counters are recorded in the SMC report.
Svr	Server
TonEnd	Toner End
TonSave	Toner Save
TXJob	Send, Transmission
YMC	Yellow, Magenta, Cyan
YMCK	Yellow, Magenta, Cyan, Black

Note

- All of the Group 8 SPs are able to reset by “SP5-801-1 Memory All Clear”.

8001	[T:Total Jobs]		
8004	[P:Total Jobs]		
001	-	*CTL	[0 to 99999999 / 0 / 1 / step]
These SPs count the number of times each application is used to do a job.			

- These SPs reveal the number of times an application is used, not the number of pages processed.
- When an application is opened for image input or output, this counts as one job.
- Interrupted jobs (paper jams, etc.) are counted, even though they do not finish.
- Only jobs executed by the customer are counted. Jobs executed by the customer engineer using the SP modes are not counted.
- When using secure printing (when a password is required to start the print job), the job is counted at the time when either "Delete Data" or "Specify Output" is specified.

8061	[T:FIN Jobs]		
These SPs total the finishing methods. The finishing method is specified by the application.			
8064	[P:FIN Jobs]		
These SPs total finishing methods for print jobs only. The finishing method is specified by the application.			
8067	[O:FIN Jobs]		
These SPs total finishing methods for jobs executed by an external application, over the network. The finishing method is specified by the application.			
001	Sort	*CTL	[0 to 99999999 / 0 / 1 / step]
Number of jobs started in Sort mode.			
002	Stack	*CTL	[0 to 99999999 / 0 / 1 / step]
Number of jobs started out of Sort mode.			
003	Staple	*CTL	[0 to 99999999 / 0 / 1 / step]
Number of jobs started in Staple mode.			

004	Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
	Number of jobs started in Booklet mode. If the machine is in staple mode, the Staple counter also increments.		
005	Z-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Number of jobs started In any mode other than the Booklet mode and set for folding (Z-fold).		
006	Punch	*CTL	[0 to 99999999 / 0 / 1 / step]
	Number of jobs started in Punch mode. When Punch is set for a print job, the P: counter increments. (See SP8-064-6.)		
007	Other	*CTL	[0 to 99999999 / 0 / 1 / step]
	(Reserved)		
008	Inside-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
009	Three-IN-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
010	Three-OUT-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
011	Four-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
012	KANNON-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
013	Perfect-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
014	Ring-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
015	3rd Vendor	*CTL	[0 to 99999999 / 0 / 1 / step]

8071	[T:Jobs/PGS]
	These SPs count the number of jobs broken down by the number of pages in the job, regardless of which application was used.
8074	[P:Jobs/PGS]
	These SPs count and calculate the number of print jobs by size based on the number of pages in the job.


8077	[O:Jobs/PGS]		
	These SPs count and calculate the number of "Other" application jobs (Web Image Monitor, Palm 2, etc.) by size based on the number of pages in the job.		
001	1 Page	*CTL	[0 to 99999999 / 0 / 1 / step]
002	2 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
003	3 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
004	4 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
005	5 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
006	6 to 10 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
007	11 to 20 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
008	21 to 50 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
009	51 to 100 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
010	101 to 300 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
011	301 to 500 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
012	501 to 700 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
013	701 to 1000 Pages	*CTL	[0 to 99999999 / 0 / 1 / step]
014	1001 to Pages	*CTL	[0 to 99999999 / 0 / 1 / step]

- Interrupted jobs (paper jam, etc.) are counted, even though they do not finish.
- If a job is paused and re-started, it counts as one job.
- If the finisher runs out of staples during a print and staple job, then the job is counted at the time the error occurs.

8381	[T:Total PrtPGS]		
8384	[P:Total PrtPGS]		
8387	[O:Total PrtPGS]		
	These SPs count the number of pages printed by the customer. The counter for the application used for storing the pages increments.		
001	Field Number	*CTL	[0 to 99999999 / 0 / 1 / step]

006	Total: Single Fifth Station	*CTL	[0 to 99999999 / 0 / 1 / step]
007	Total: Single Fifth Station Over A3	*CTL	[0 to 99999999 / 0 / 1 / step]

- When the A3/DLT double count function is switched on with SP5-104, 1 A3/DLT page is counted as 2.
- When several documents are merged for a print job, the number of pages stored is counted for the application that stored them.
- These counters are used primarily to calculate charges on use of the machine, so the following pages are not counted as printed pages:
 - Blank pages in a duplex printing job.
 - Blank pages inserted as document covers, chapter title sheets, and slip sheets.
 - Reports printed to confirm counts.
 - All reports done in the service mode (service summaries, engine maintenance reports, etc.)
 - Test prints for machine image adjustment.
 - Error notification reports.
 - Partially printed pages as the result of a copier jam.

8391	[LSize PriPGS]		
	These SPs count pages printed on paper sizes A3/DLT and larger.		
	<div style="border: 1px solid blue; border-radius: 10px; padding: 2px; display: inline-block;">  Note </div> <ul style="list-style-type: none"> • In addition to being displayed in the SMC Report, these counters are also displayed in the User Tools display on the copy machine. 		
001	A3/DLT, Larger	*CTL	[0 to 99999999 / 0 / 1 / step]
003	BannaerPaper	*CTL	[0 to 99999999 / 0 / 1 / step]

8411	[Prints/Duplex]		
	This SP counts the amount of paper (front/back counted as 1 page) used for duplex printing. Last pages printed only on one side are not counted.		
001	-	*CTL	[0 to 99999999 / 0 / 1 / step]

8421	[T:PrtPGS/Dup Comb]		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing. This is the total for all applications.		
8424	[P:PrtPGS/Dup Comb]		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the printer application.		
8427	[O:PrtPGS/Dup Comb]		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by Other applications		
001	Simplex> Duplex	*CTL	[0 to 99999999 / 0 / 1 / step]
004	Simplex Combine	*CTL	[0 to 99999999 / 0 / 1 / step]
005	Duplex Combine	*CTL	[0 to 99999999 / 0 / 1 / step]
006	2in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	2 pages on 1 side (2-Up)		
007	4 in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	4 pages on 1 side (4-Up)		
008	6 in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	6 pages on 1 side (6-Up)		
009	8 in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	8 pages on 1 side (8-Up)		
010	9 in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	9 pages on 1 side (9-Up)		
011	16 in1	*CTL	[0 to 99999999 / 0 / 1 / step]
	16 pages on 1 side (16-Up)		
012	Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
013	Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
014	2-in-1 + Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]

015	4-in-1 + Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
016	6-in-1 + Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
017	8-in-1 + Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
018	9-in-1 + Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
019	2-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
020	4-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
021	6-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
022	8-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
023	9-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]
024	16-in-1 + Magazine	*CTL	[0 to 99999999 / 0 / 1 / step]

- These counts (SP8-421 to SP8-427) are especially useful for customers who need to improve their compliance with ISO standards for the reduction of paper consumption.
- Pages that are only partially printed with the n-Up functions are counted as 1 page.
- Here is a summary of how the counters work for Booklet and Magazine modes:

Booklet		Magazine	
Original Pages	Count	Original Pages	Count
1	1	1	1
2	2	2	2
3	2	3	2
4	2	4	2
5	3	5	4
6	4	6	4
7	4	7	4
8	4	8	4

8431	[T:PrtPGS/ImgEdt]		
	These SPs count the total number of pages output with the three features below, regardless of which application was used.		
8434	[P:PrtPGS/ImgEdt]		
	These SPs count the total number of pages output with the three features below with the print application.		
8437	[O:PrtPGS/ImgEdt]		
	These SPs count the total number of pages output with the three features below with Other applications.		
001	Cover/Slip Sheet	*CTL	[0 to 99999999 / 0 / 1 / step]
	Total number of covers or slip sheets inserted. The count for a cover printed on both sides counts 2.		
002	Series/Book	*CTL	[0 to 99999999 / 0 / 1 / step]
	The number of pages printed in series (one side) or printed as a book with booklet right/left pagination.		
003	User Stamp	*CTL	[0 to 99999999 / 0 / 1 / step]
	The number of pages printed where stamps were applied, including page numbering and date stamping.		

8441	[T:PrtPGS/Ppr Size]		
	These SPs count by print paper size the number of pages printed by all applications.		
8444	[P:PrtPGS/Ppr Size]		
	These SPs count by print paper size the number of pages printed by the printer application.		
8447	[O:PrtPGS/Ppr Size]		
	These SPs count by print paper size the number of pages printed by Other applications.		
001	A3	*CTL	[0 to 99999999 / 0 / 1 / step]
002	A4	*CTL	[0 to 99999999 / 0 / 1 / step]
003	A5	*CTL	[0 to 99999999 / 0 / 1 / step]

004	B4	*CTL	[0 to 99999999 / 0 / 1 / step]
005	B5	*CTL	[0 to 99999999 / 0 / 1 / step]
006	DLT	*CTL	[0 to 99999999 / 0 / 1 / step]
007	LG	*CTL	[0 to 99999999 / 0 / 1 / step]
008	LT	*CTL	[0 to 99999999 / 0 / 1 / step]
009	HLT	*CTL	[0 to 99999999 / 0 / 1 / step]
010	Full Bleed	*CTL	[0 to 99999999 / 0 / 1 / step]
254	Other (Standard)	*CTL	[0 to 99999999 / 0 / 1 / step]
255	Other (Custom)	*CTL	[0 to 99999999 / 0 / 1 / step]

- These counters do not distinguish between LEF and SEF.

8451	[PrtPGS/Ppr Tray]		
	These SPs count the number of sheets fed from each paper feed station.		
001	Bypass Tray	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Tray 1	*CTL	[0 to 99999999 / 0 / 1 / step]
003	Tray 2	*CTL	[0 to 99999999 / 0 / 1 / step]
004	Tray 3	*CTL	[0 to 99999999 / 0 / 1 / step]
005	Tray 4	*CTL	[0 to 99999999 / 0 / 1 / step]
006	Tray 5	*CTL	[0 to 99999999 / 0 / 1 / step]
007	Tray 6	*CTL	[0 to 99999999 / 0 / 1 / step]
008	Tray 7	*CTL	[0 to 99999999 / 0 / 1 / step]
009	Tray 8	*CTL	[0 to 99999999 / 0 / 1 / step]
010	Tray 9	*CTL	[0 to 99999999 / 0 / 1 / step]
011	Tray 10	*CTL	[0 to 99999999 / 0 / 1 / step]
012	Tray 11	*CTL	[0 to 99999999 / 0 / 1 / step]
013	Tray 12	*CTL	[0 to 99999999 / 0 / 1 / step]


014	Tray 13	*CTL	[0 to 99999999 / 0 / 1 / step]
015	Tray 14	*CTL	[0 to 99999999 / 0 / 1 / step]
016	Tray 15	*CTL	[0 to 99999999 / 0 / 1 / step]

8461	[T:PrtPGS/Ppr Type]		
	<p>These SPs count by paper type the number pages printed by all applications.</p> <ul style="list-style-type: none"> • These counters are not the same as the PM counter. The PM counter is based on feed timing to accurately measure the service life of the feed rollers. However, these counts are based on output timing. • Blank sheets (covers, chapter covers, slip sheets) are also counted. • During duplex printing, pages printed on both sides count as 1, and a page printed on one side counts as 1. 		
8464	[P:PrtPGS/Ppr Type]		
	These SPs count by paper type the number pages printed by the printer application.		
001	Normal	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Recycled	*CTL	[0 to 99999999 / 0 / 1 / step]
003	Special	*CTL	[0 to 99999999 / 0 / 1 / step]
004	Thick	*CTL	[0 to 99999999 / 0 / 1 / step]
005	Normal (Back)	*CTL	[0 to 99999999 / 0 / 1 / step]
006	Thick (Back)	*CTL	[0 to 99999999 / 0 / 1 / step]
007	OHP	*CTL	[0 to 99999999 / 0 / 1 / step]
008	Other	*CTL	[0 to 99999999 / 0 / 1 / step]

8471	[PrtPGS/Mag]		
	These SPs count by magnification rate the number of pages printed.		

001	< 49%	*CTL	[0 to 99999999 / 0 / 1 / step]
002	50% to 99%	*CTL	
003	100%	*CTL	
004	101% to 200%	*CTL	
005	201% <	*CTL	

- Counts are done for magnification adjusted for pages, not only on the operation panel but performed remotely with an external network application capable of performing magnification adjustment as well.
- Magnification adjustments done with printer drivers with PC applications such as Excel are also counted.
- The magnification rates of blank cover sheets, slip sheets, etc. are automatically assigned a rate of 100%.

8481	[T:PrtPGS/TonSave]		
8484	[P:PrtPGS/TonSave]		
001	-	*CTL	[0 to 99999999 / 0 / 1 / step]
These SPs count the number of pages printed with the Toner Save feature switched on.			
<div style="border: 1px solid blue; border-radius: 10px; padding: 2px; display: inline-block;">  Note </div> <ul style="list-style-type: none"> • These SPs return the same results as this SP is limited to the Print application. 			

8501	[T:PrtPGS/Col Mode]		
8504	[P:PrtPGS/Col Mode]		
8507	[O:PrtPGS/Col Mode]		
These SPs count the number of pages printed in the Color Mode by the print application.			
001	B/W	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Mono Color	*CTL	[0 to 99999999 / 0 / 1 / step]
003	Full Color	*CTL	[0 to 99999999 / 0 / 1 / step]
004	Single Color	*CTL	[0 to 99999999 / 0 / 1 / step]
005	Two Color	*CTL	[0 to 99999999 / 0 / 1 / step]

051	B/W(Banner)	*CTL	[0 to 99999999 / 0 / 1 / step]
052	Full Color(Banner)	*CTL	[0 to 99999999 / 0 / 1 / step]
053	Single Color(Banner)	*CTL	[0 to 99999999 / 0 / 1 / step]
054	Two Color(Banner)	*CTL	[0 to 99999999 / 0 / 1 / step]

8511	[T:PrtPGS/Emul]		
	These SPs count by printer emulation mode the total number of pages printed.		
8514	[P:PrtPGS/Emul]		
	These SPs count by printer emulation mode the total number of pages printed.		
001	RPCS	*CTL	[0 to 99999999 / 0 / 1 / step]
002	RPDL	*CTL	[0 to 99999999 / 0 / 1 / step]
003	PS3	*CTL	[0 to 99999999 / 0 / 1 / step]
004	R98	*CTL	[0 to 99999999 / 0 / 1 / step]
005	R16	*CTL	[0 to 99999999 / 0 / 1 / step]
006	GL/GL2	*CTL	[0 to 99999999 / 0 / 1 / step]
007	R55	*CTL	[0 to 99999999 / 0 / 1 / step]
008	RTIFF	*CTL	[0 to 99999999 / 0 / 1 / step]
009	PDF	*CTL	[0 to 99999999 / 0 / 1 / step]
010	PCL5e/5c	*CTL	[0 to 99999999 / 0 / 1 / step]
011	PCL XL	*CTL	[0 to 99999999 / 0 / 1 / step]
012	IPDL-C	*CTL	[0 to 99999999 / 0 / 1 / step]
013	BM-Links	*CTL	Japan Only
014	Other	*CTL	[0 to 99999999 / 0 / 1 / step]
015	IPDS	*CTL	[0 to 99999999 / 0 / 1 / step]
016	XPS	*CTL	[0 to 99999999 / 0 / 1 / step]

- SP8-511 and SP8-514 return the same results as they are both limited to the Print application.

8521	[T:PrtPGS/FIN]		
	These SPs count by finishing mode the total number of pages printed by all applications.		
8524	[P:PrtPGS/FIN]		
	These SPs count by finishing mode the total number of pages printed by the Print application.		
001	Sort	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Stack	*CTL	[0 to 99999999 / 0 / 1 / step]
003	Staple	*CTL	[0 to 99999999 / 0 / 1 / step]
004	Booklet	*CTL	[0 to 99999999 / 0 / 1 / step]
005	Z-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
006	Punch	*CTL	[0 to 99999999 / 0 / 1 / step]
007	Other	*CTL	[0 to 99999999 / 0 / 1 / step]
008	Inside Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Half-Fold (FM2) (Multi Fold Unit)		
009	Three-IN-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Letter Fold-in (FM4) (Multi Fold Unit)		
010	Three-OUT-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Letter Fold-out (FM3) (Multi Fold Unit)		
011	Four Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Double Parallel Fold (FM5) (Multi Fold Unit)		
012	KANNON-Fold	*CTL	[0 to 99999999 / 0 / 1 / step]
	Gate Fold (FM6) (Multi Fold Unit)		
013	Perfect-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
	Perfect Binder		
014	Ring-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
	Ring Binder		

015	3rd Vendor	*CTL	[0 to 99999999 / 0 / 1 / step]
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Note

- If stapling is selected for finishing and the stack is too large for stapling, the unstapled pages are still counted.
- The counts for staple finishing are based on output to the staple tray, so jam recoveries are counted.

3

8531	[Staples]		
	This SP counts the amount of staples used by the machine.		
001	-	*CTL	[0 to 99999999 / 0 / 1 / step]

8551	[T:PrtBooks/FIN]		
001	Perfect-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Ring-Bind	*CTL	

8554	[P: PrtBooks/FIN]		
001	Perfect-Bind	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Ring-Bind	*CTL	

8561	[T:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8564	[P:A Sheet Of Paper]		
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001	Total: Over A3/DLT	*CTL	[0 to 999999999 / 0 / 1 / step]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8567	[O:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 999999999 / 0 / 1 / step]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8581	[T:Counter]			
	These SPs count the total output broken down by color output, regardless of the application used. In addition to being displayed in the SMC Report, these counters are also displayed in the User Tools display on the copy machine.			
001	Total	*CTL	[0 to 999999999 / 0 / 1 / step]	
002	Total: Full Color	*CTL		
003	B&W/Single Color	*CTL		
004	Development: CMY	*CTL		
005	Development: K	*CTL		
008	Print: Color	*CTL		
009	Print: B/W	*CTL		[0 to 999999999 / 0 / 1 / step]
010	Total: Color	*CTL		
011	Total: B/W	*CTL		
012	Full Color: A3	*CTL		
013	Full Color: -B4	*CTL		
014	Full Color Print	*CTL		

015	Mono Color Print	*CTL	[0 to 99999999 / 0 / 1 / step]
016	Full Color GPC	*CTL	
017	Twin Color Mode Print	*CTL	
018	Full Color Print (Twin)	*CTL	
019	Mono Color Print (Twin)	*CTL	
020	Full Color Total (CV)	*CTL	
021	Mono Color Total (CV)	*CTL	[0 to 99999999 / 0 / 1 / step]
022	Full Color Print (CV)	*CTL	
023	Eco Color Print (FC)	*CTL	
024	Eco Color Print (Bk)	*CTL	
025	Total: Color (Eco Bk)	*CTL	
026	Total: B/W (Eco Bk)	*CTL	
027	Total: Color (Eco FC)	*CTL	[0 to 99999999 / 0 / 1 / step]
028	Development: CMY (A3)	*CTL	
029	Development: K (A3)	*CTL	
030	Total: Color (A3)	*CTL	
031	Total: B/W (A3)	*CTL	
033	Fifth Station Total	*CTL	
036	Single Fifth Station	*CTL	
037	Fifth Station 1	*CTL	
038	Fifth Station 2	*CTL	
039	Fifth Station 3	*CTL	
040	Fifth Station 4	*CTL	
041	Development: Fifth Station	*CTL	

8584	[P:Counter]		
	These SPs count the total output of the print application broken down by color output.		
001	B/W	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Mono Color	*CTL	
003	Full Color	*CTL	
004	Single Color	*CTL	
005	Two Color	*CTL	

8591	[O:Counter]		
	These SPs count the totals for A3/DLT paper use, number of duplex pages printed, and the number of staples used. These totals are for Other (O:) applications only.		
001	A3/DLT	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Duplex	*CTL	
003	Banner	*CTL	

8601	[T:Coverage Counter]		
	These SPs count the total coverage for each color and the total printout pages for each printing mode.		
001	B/W	*CTL	[0 to 2147483647 / 0 / 1% / step]
002	Color	*CTL	
011	B/W Printing Pages	*CTL	[0 to 9999999 / 0 / 1 / step]
012	Color Printing Pages	*CTL	
021	Coverage Counter 1	*CTL	
022	Coverage Counter 2	*CTL	
023	Coverage Counter 3	*CTL	

8601	[Coverage Counter]		
	-		

031	Coverage Counter 1 (YMC)	*CTL	[0 to 9999999 / 0 / 1 / step]
032	Coverage Counter 2 (YMC)	*CTL	
033	Coverage Counter 3 (YMC)	*CTL	

8601	[T:Coverage Counter]		
081	Fifth Station 1	*CTL	[0 to 2147483647 / 0 / 1% / step]
082	Fifth Station 2	*CTL	
083	Fifth Station 3	*CTL	
084	Fifth Station 4	*CTL	

8604	[P:Coverage Counter]		
	-		
001	B/W	*CTL	[0 to 2147483647 / 0 / 1% / step]
002	Single Color	*CTL	
003	Two Color	*CTL	
004	Full Color	*CTL	

8617	[SDK Apli Counter]		
	These SPs count the total printout pages for each SDK application.		
001	SDK-1	*CTL	[0 to 999999999 / 0 / 1 / step]
002	SDK-2	*CTL	
003	SDK-3	*CTL	
004	SDK-4	*CTL	
005	SDK-5	*CTL	
006	SDK-6	*CTL	

007	SDK-7	*CTL	[0 to 999999999 / 0 / 1 / step]
008	SDK-8	*CTL	
009	SDK-9	*CTL	
010	SDK-10	*CTL	
011	SDK-11	*CTL	
012	SDK-12	*CTL	

8621	[Func Use Counter]		
	-		
001	Function-001	*CTL	[0 to 999999999 / 0 / 1 / step]
002	Function-002	*CTL	
003	Function-003	*CTL	
004	Function-004	*CTL	
005	Function-005	*CTL	
006	Function-006	*CTL	[0 to 999999999 / 0 / 1 / step]
007	Function-007	*CTL	
008	Function-008	*CTL	
009	Function-009	*CTL	
010	Function-010	*CTL	
011	Function-011	*CTL	[0 to 999999999 / 0 / 1 / step]
012	Function-012	*CTL	
013	Function-013	*CTL	
014	Function-014	*CTL	
015	Function-015	*CTL	

016	Function-016	*CTL	[0 to 99999999 / 0 / 1 / step]
017	Function-017	*CTL	
018	Function-018	*CTL	
019	Function-019	*CTL	
020	Function-020	*CTL	
021	Function-021	*CTL	[0 to 99999999 / 0 / 1 / step]
022	Function-022	*CTL	
023	Function-023	*CTL	
024	Function-024	*CTL	
025	Function-025	*CTL	
026	Function-026	*CTL	[0 to 99999999 / 0 / 1 / step]
027	Function-027	*CTL	
028	Function-028	*CTL	
029	Function-029	*CTL	
030	Function-030	*CTL	
031	Function-031	*CTL	[0 to 99999999 / 0 / 1 / step]
032	Function-032	*CTL	
033	Function-033	*CTL	
034	Function-034	*CTL	
035	Function-035	*CTL	
036	Function-036	*CTL	
037	Function-037	*CTL	
038	Function-038	*CTL	
039	Function-039	*CTL	
040	Function-040	*CTL	

041	Function-041	*CTL	[0 to 999999999 / 0 / 1 / step]
042	Function-042	*CTL	
043	Function-043	*CTL	
044	Function-044	*CTL	
045	Function-045	*CTL	
046	Function-046	*CTL	
047	Function-047	*CTL	
048	Function-048	*CTL	
049	Function-049	*CTL	
050	Function-050	*CTL	
051	Function-051	*CTL	[0 to 999999999 / 0 / 1 / step]
052	Function-052	*CTL	
053	Function-053	*CTL	
054	Function-054	*CTL	
055	Function-055	*CTL	
056	Function-056	*CTL	
057	Function-057	*CTL	
058	Function-058	*CTL	
059	Function-059	*CTL	
060	Function-060	*CTL	
061	Function-061	*CTL	[0 to 999999999 / 0 / 1 / step]
062	Function-062	*CTL	
063	Function-063	*CTL	
064	Function-064	*CTL	

8771	[Dev Counter]		
	These SPs count the frequency of use (number of rotations of the development rollers) for black and other color toners.		
001	Total	*CTL	[0 to 99999999 / 0 / 1 / step]
002	K	*CTL	
003	Y	*CTL	
004	M	*CTL	
005	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8781	[Toner_BotoI_Info.]		
	These SPs display the number of already replaced toner bottles. NOTE: Currently, the data in SP7-833-011 through 014 and the data in SP8-781-001 through 004 are the same.		
001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8801	[Toner Remain]		
	<p>These SPs display the percent of toner remaining for each color. This SP allows the user to check the toner supply at any time.</p> <p>Note: This precise method of measuring remaining toner supply (1% steps) is better than other machines in the market that can only measure in increments of 10 (10% steps).</p>		
001	K	*CTL	[0 to 100 / 0 / 10% / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station	*CTL	[0 to 100 / 0 / 10% / step]

8811	[Eco Counter]		
	-		
001	Eco Total	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Color	*CTL	
003	Full Color	*CTL	
004	Duplex	*CTL	
005	Combine	*CTL	
006	Color (%)	*CTL	[0 to 100 / 0 / 1% / step]
007	Full Color (%)	*CTL	
008	Duplex (%)	*CTL	
009	Combine (%)	*CTL	
010	Paper Cut (%)	*CTL	

101	Eco Total:Last	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Color:Last	*CTL	
103	Full Color:Last	*CTL	
104	Duplex:Last	*CTL	
105	Combine:Last	*CTL	
106	Color(%):Last	*CTL	[0 to 100 / 0 / 1% / step]
107	Full Color (%):Last	*CTL	
108	Duplex (%):Last	*CTL	
109	Combine (%):Last	*CTL	
110	Paper Cut (%):Last	*CTL	

8851	[Cvr Cnt: 0-10%]		
	These SPs display the number of scanned sheets on which the coverage of each color is from 0% to 10%.		
011	0 to 2%: BK	*CTL	[0 to 99999999 / 0 / 1 / step]
012	0 to 2%: Y	*CTL	
013	0 to 2%: M	*CTL	
014	0 to 2%: C	*CTL	
021	3 to 4%: BK	*CTL	[0 to 99999999 / 0 / 1 / step]
022	3 to 4%: Y	*CTL	
023	3 to 4%: M	*CTL	
024	3 to 4%: C	*CTL	
031	5 to 7%: BK	*CTL	[0 to 99999999 / 0 / 1 / step]
032	5 to 7%: Y	*CTL	
033	5 to 7%: M	*CTL	
034	5 to 7%: C	*CTL	

041	8 to 10%: BK	*CTL	[0 to 99999999 / 0 / 1 / step]
042	8 to 10%: Y	*CTL	
043	8 to 10%: M	*CTL	
044	8 to 10%: C	*CTL	
111	0 to 2%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
112	0 to 2%:Fifth Station 2	*CTL	
113	0 to 2%:Fifth Station 3	*CTL	
114	0 to 2%:Fifth Station 4	*CTL	
121	3 to 4%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
122	3 to 4%:Fifth Station 2	*CTL	
123	3 to 4%:Fifth Station 3	*CTL	
124	3 to 4%:Fifth Station 4	*CTL	
131	5 to 7%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
132	5 to 7%:Fifth Station 2	*CTL	
133	5 to 7%:Fifth Station 3	*CTL	
134	5 to 7%:Fifth Station 4	*CTL	
141	8 to 10%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
142	8 to 10%:Fifth Station 2	*CTL	
143	8 to 10%:Fifth Station 3	*CTL	
144	8 to 10%:Fifth Station 4	*CTL	

8861	[Cvr Cnt: 11-20%]
	These SPs display the number of scanned sheets on which the coverage of each color is from 11% to 20%.

001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8871	[Cvr Cnt: 21-30%]		
	These SPs display the number of scanned sheets on which the coverage of each color is from 21% to 30%.		
001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8881	[Cvr Cnt: 31%-]		
	These SPs display the number of scanned sheets on which the coverage of each color is 31% or higher.		

001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
011	31 to 50%:BK	*CTL	[0 to 99999999 / 0 / 1 / step]
012	31 to 50%:Y	*CTL	
013	31 to 50%:M	*CTL	
014	31 to 50%:C	*CTL	
021	51 to 70%:BK	*CTL	[0 to 99999999 / 0 / 1 / step]
022	51 to 70%:Y	*CTL	
023	51 to 70%:M	*CTL	
024	51 to 70%:C	*CTL	
031	71%- :BK	*CTL	[0 to 99999999 / 0 / 1 / step]
032	71%- :Y	*CTL	
033	71%- :M	*CTL	
034	71%- :C	*CTL	
111	31 to 50%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
112	31 to 50%:Fifth Station 2	*CTL	
113	31 to 50%:Fifth Station 3	*CTL	
114	31 to 50%:Fifth Station 4	*CTL	
121	51 to 70%:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
122	51 to 70%:Fifth Station 2	*CTL	
123	51 to 70%:Fifth Station 3	*CTL	
124	51 to 70%:Fifth Station 4	*CTL	

131	71%- :Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
132	71%- :Fifth Station 2	*CTL	
133	71%- :Fifth Station 3	*CTL	
134	71%- :Fifth Station 4	*CTL	

8891	[Page/Toner Bottle]		
	These SPs display the amount of the remaining current toner for each color.		
001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8901	[Page/Toner_Prev1]		
	These SPs display the amount of the remaining previous toner for each color.		
001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8911	[Page/Toner_Prev2]		
	These SPs display the amount of the remaining 2nd previous toner for each color.		
001	BK	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	
101	Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Fifth Station 2	*CTL	
103	Fifth Station 3	*CTL	
104	Fifth Station 4	*CTL	

8921	[Cvr Cnt/Total]		
	Displays the total coverage and total printout number for each color.		
001	Coverage (%) Bk	*CTL	[0 to 2147483647 / 0 / 1% / step]
002	Coverage (%) Y	*CTL	
003	Coverage (%) M	*CTL	
004	Coverage (%) C	*CTL	
011	Coverage /P: Bk	*CTL	[0 to 99999999 / 0 / 1 / step]
012	Coverage /P: Y	*CTL	
013	Coverage /P: M	*CTL	
014	Coverage /P: C	*CTL	
031	Coverage(%):Eco BK	*CTL	[0 to 2147483647 / 0 / 1% / step]
032	Coverage(%):Eco Y	*CTL	
033	Coverage(%):Eco M	*CTL	
034	Coverage(%):Eco C	*CTL	

041	Coverage/P:Eco BK	*CTL	[0 to 99999999 / 0 / 1 / step]
042	Coverage/P:Eco Y	*CTL	
043	Coverage/P:Eco M	*CTL	
044	Coverage/P:Eco C	*CTL	
101	Coverage(%):Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
102	Coverage(%):Fifth Station 2	*CTL	
103	Coverage(%):Fifth Station 3	*CTL	
104	Coverage(%):Fifth Station 4	*CTL	
111	Coverage/P:Fifth Station 1	*CTL	[0 to 99999999 / 0 / 1 / step]
112	Coverage/P:Fifth Station 2	*CTL	
113	Coverage/P:Fifth Station 3	*CTL	
114	Coverage/P:Fifth Station 4	*CTL	

8941	[Machine Status]		
	These SPs count the amount of time the machine spends in each operation mode. These SPs are useful for customers who need to investigate machine operation for improvement in their compliance with ISO Standards.		
001	Operation Time	*CTL	[0 to 99999999 / 0 / 1 / step]
	Engine operation time. Does not include time while controller is saving data to HDD (while engine is not operating).		
002	Standby Time	*CTL	[0 to 99999999 / 0 / 1 / step]
	Engine not operating. Includes time while controller saves data to HDD. Does not include time spent in Energy Save, Low Power, or Off modes.		
003	Energy Save Time	*CTL	[0 to 99999999 / 0 / 1 / step]
	Includes time while the machine is performing background printing.		
004	Low Power Time	*CTL	[0 to 99999999 / 0 / 1 / step]
	Includes time in Energy Save mode with Engine on. Includes time while machine is performing background printing.		

005	Off Mode Time	*CTL	[0 to 99999999 / 0 / 1 / step]
	Includes time while machine is performing background printing. Does not include time machine remains powered off with the power switches.		
006	SC	*CTL	[0 to 99999999 / 0 / 1 / step]
	Total time when SC errors have been staying.		
007	PrtJam	*CTL	[0 to 99999999 / 0 / 1 / step]
	Total time when paper jams have been staying during printing.		
008	OrgJam	*CTL	[0 to 99999999 / 0 / 1 / step]
	Total time when original jams have been staying during scanning.		
009	Supply PM Unit End	*CTL	[0 to 99999999 / 0 / 1 / step]
	Total time when toner end has been staying		

8961	[Electricity Status]		
	-		
001	Ctrl Standby Time	*CTL	[0 to 99999999 / 0 / 1 / step]
002	STR Time	*CTL	
003	Main Power Off Time	*CTL	
004	Reading and Printing Time	*CTL	
005	Printing Time	*CTL	[0 to 99999999 / 0 / 1 / step]
006	Reading Time	*CTL	
007	Eng Waiting Time	*CTL	
008	Low Power State Time	*CTL	
009	Silent State Time	*CTL	
010	Heater Off State Time	*CTL	
011	LCD on Time	*CTL	

8971	[Unit Control]		
	-		
001	Engine Off Recovery Count	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Power Off Count	*CTL	
003	Force Power Off Count	*CTL	

8999	[Admin. Counter List]		
	Displays each total print out and total coverage.		
001	Total	*CTL	[0 to 99999999 / 0 / 1 / step]
006	Printer: Full Color	*CTL	[0 to 99999999 / 0 / 1 / step]
007	Printer: BW	*CTL	[0 to 99999999 / 0 / 1 / step]
008	Printer: Single Color	*CTL	[0 to 99999999 / 0 / 1 / step]
009	Printer: Two Color	*CTL	[0 to 99999999 / 0 / 1 / step]
012	A3/DLT	*CTL	[0 to 99999999 / 0 / 1 / step]
013	Duplex	*CTL	[0 to 99999999 / 0 / 1 / step]
026	Printer: Full Color (%)	*CTL	[0 to 2147483647 / 0 / 1% / step]
027	Printer: BW (%)	*CTL	[0 to 2147483647 / 0 / 1% / step]
028	Printer: Single Color (%)	*CTL	[0 to 2147483647 / 0 / 1% / step]
029	Printer: Two Color (%)	*CTL	[0 to 2147483647 / 0 / 1% / step]
032	Banner	*CTL	[0 to 99999999 / 0 / 1 / step]

Input Check Table (1/2)

Input Check: Main Machine

5803	[INPUT Check]		
5-803-001	Interlock Switch: Mainframe Door	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
5-803-002	Interlock Switch: Fusing Section	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
5-803-005	Temp Sensor: Laser Unit K	ENG	[0 to 100 / 0 / 0.1 deg/ step]
5-803-006	Temp Sensor: Laser Unit C	ENG	[0 to 100 / 0 / 0.1 deg/ step]
5-803-007	Temp Sensor: Laser Unit M	ENG	[0 to 100 / 0 / 0.1 deg/ step]
5-803-008	Temp Sensor: Laser Unit Y	ENG	[0 to 100 / 0 / 0.1 deg/ step]
5-803-010	Paper Height Sn: Middle: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-011	Paper Height Sn: Sub: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-012	Paper Size Sn 1: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked

5-803-013	Paper Size Sn 2: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-014	Paper Size Sn 3: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-015	Paper Size Sn 4: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-017	Paper Feed Sn: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-018	Paper Length Sn 1: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-019	Paper Length Sn 2: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-020	Lower Limit Sn: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-021	Paper End Sn: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-022	Overlimit Sn: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-024	Upper Limit Sn 1: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

5-803-025	Upper Limit Sn 2: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-026	Ver Transport Sn 1: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-027	Ver Transport Sn 2: Tray1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-035	T-ACT Sensor1	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
5-803-036	T-ACT Sensor2	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
5-803-037	Double-Feed Sensor	ENG	[0 or 1 / 0 / 1/step]
5-803-040	Registration Timing Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-041	LCT Relay Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-042	Shift Unit HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-043	Regist Entrance Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

5-803-044	Regist Entrance Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-045	Regist Entrance Sn 3	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-048	Regist Roller HP Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-049	Regist Roller HP Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-050	Rotary Gate HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
5-803-051	Registration Relay Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-052	PTR Timing Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-055	Toner End Sn: K	ENG	[0 or 1 / 0 / 1/step] 0: No toner 1: Toner available
5-803-056	Toner End Sn: C	ENG	[0 or 1 / 0 / 1/step] 0: No toner 1: Toner available
5-803-057	Toner End Sn: M	ENG	[0 or 1 / 0 / 1/step] 0: No toner 1: Toner available
5-803-058	Toner End Sn: Y	ENG	[0 or 1 / 0 / 1/step] 0: No toner 1: Toner available

5-803-059	Toner Bottle Open Sn: K1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-060	Toner Bottle Open Sn: K2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-061	Toner Bottle Open Sn: C1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-062	Toner Bottle Open Sn: C2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-063	Toner Bottle Open Sn: M1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-064	Toner Bottle Open Sn: M2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-065	Toner Bottle Open Sn: Y1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-066	Toner Bottle Open Sn: Y2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle cap closed 1: Bottle cap open
5-803-067	Toner Hopper Cover Open SW	ENG	[0 or 1 / 0 / 1/step] 0: Cover closed 1: Cover open
5-803-068	Toner Bottle Detect Sn: K1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle

5-803-069	Toner Bottle Detect Sn: K2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-070	Toner Bottle Detect Sn: C1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-071	Toner Bottle Detect Sn: C2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-072	Toner Bottle Detect Sn: M1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-073	Toner Bottle Detect Sn: M2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-074	Toner Bottle Detect Sn: Y1	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-075	Toner Bottle Detect Sn: Y2	ENG	[0 or 1 / 0 / 1/step] 0: Bottle available 1: No bottle
5-803-076	Dev Roller Rotation Sn: K	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-077	Dev Roller Rotation Sn: C	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-078	Dev Roller Rotation Sn: M	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-079	Dev Roller Rotation Sn: Y	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-095	ITB Belt Speed Sn	ENG	[0 or 1 / 0 / 1/step]

5-803-096	ITB Belt Centering Roller Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-097	ITB Belt Centering Sensor	ENG	[0 to 10 / 0 / 0.01 V/step]
5-803-098	ITB Belt Overrun Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-099	ITB Belt Overrun Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-100	ITB Motor Rotation Sn 1	ENG	[0 or 1 / 0 / 1/step]
5-803-101	ITB Motor Rotation Sn 2	ENG	[0 or 1 / 0 / 1/step]
5-803-105	ITB Color Lift Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-106	ITB Black Lift Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-107	PTR Lift Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-108	PTR Position Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-109	ITB Cleaning Unit Set Sn	ENG	[0 or 1 / 0 / 1/step] 0: Unset 1: Set
5-803-112	Separation Jam Sn: Upper Left	ENG	[0 or 1 / 0 / 1/step] Not used

5-803-113	Separation Jam Sn: Upper	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-114	PTB Transport Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-115	PTB Transport Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-116	PTB Transport Sn 3	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-117	PTB Transport Sn 4	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-120	Heating Roller Thermopile	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-121	Pressure Roller Thermopile: Center	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-122	Pressure Roller Thermopile: Edge	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-123	Heating Roller Thermistor: Edge	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-124	Hot Roller Core Thermistor	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-125	Fusing Belt Thermistor: Edge	ENG	[-10 to 270 / 0 / 1 deg/ step]
5-803-126	Fusing Exit Sn: Center	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

5-803-127	Fusing Exit Sn: Front	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-128	Fusing Exit Sn: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-129	Fusing Exit Sn: Back	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-130	Web End Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-131	Cleaning Web Contact Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-132	Refresh Roller Contact Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-133	Heating Roller Rotation Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-134	Accordion Jam Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-135	Pressure Roller HP Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-136	Pressure Roller HP Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked

5-803-137	Fusing Cleaning Unit Set Sn	ENG	[0 or 1 / 0 / 1/step] 0: Set 1: Unset
5-803-138	Paper Shift Sn: Front	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-139	Paper Shift Sn: Rear	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-140	Fusing Belt Surface Sn 1	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-141	Fusing Belt Surface Sn 2	ENG	[0 or 1 / 0 / 1/step] Not used
5-803-145	ITB Belt Centering Roller Sn: Upper	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-146	ITB Belt Centering Roller Sn: Upper1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-147	ITB Belt Centering Roller Sn: Upper2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-148	ITB Belt Centering Roller Sn: Lower	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-149	ITB Belt Centering Roller Sn: Lower1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-150	ITB Belt Centering Roller Sn: Lower2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-151	Paper Cooling Remain Sw	ENG	[0 to 3.3 / 0 / 0.05 V/step]

5-803-155	De-curler Entrance Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-156	De-curler Exit Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-157	Paper Exit Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-158	De-curler Unit HP Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-159	De-curler Unit HP Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-160	Paper Exit Inverter Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-161	Duplex Inverter Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-162	Purge Tray Paper Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
5-803-163	Paper Exit Inverter Roller HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-164	Duplex Inverter Roller HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked

5-803-165	Exit Junction Gate HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-170	Paper Height Sn: Middle: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-171	Paper Height Sn: Sub: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-172	Paper Size Sn 1: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-173	Paper Size Sn 2: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-174	Paper Size Sn 3: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-175	Paper Size Sn 4: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-177	Ver Transport Sn 1: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-178	Paper Length Sn 2: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-179	Lower Limit Sn: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked

5-803-180	Paper Feed Sn: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-181	Paper End Sn: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-182	Overlimit Sn: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-184	Upper Limit Sn 1: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-185	Upper Limit Sn 2: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-186	Ver Transport Sn 2: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-187	Paper Length Sn 1: Tray2	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
5-803-195	Duplex Transport Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-196	Duplex Transport Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-197	Paper Transport Sn 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

5-803-198	Paper Transport Sn 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-199	Paper Transport Sn 3	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-200	Paper Transport Sn 4	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-201	Paper Transport Sn 5	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-202	Paper Transport Sn 6	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-203	Paper Transport Sn 7	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
5-803-210	Paper Feed Tray Unit Set 1: Tray1	ENG	[0 or 1 / 0 / 1/step]
5-803-211	Paper Feed Tray Unit Set 2: Tray1	ENG	[0 or 1 / 0 / 1/step]
5-803-212	Paper Feed Belt Unit Set: Tray1	ENG	[0 or 1 / 0 / 1/step]
5-803-213	PprFeed Tray Unit Set 1: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-803-214	Paper Feed Tray Unit Set 2: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-803-215	Paper Feed Belt Unit Set: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-803-216	Registration Unit Drawer A Set	ENG	[0 or 1 / 0 / 1/step]
5-803-217	Registration Unit Drawer B Set	ENG	[0 or 1 / 0 / 1/step]
5-803-218	Registration Unit Drawer C Set	ENG	[0 or 1 / 0 / 1/step]
5-803-219	ITB Unit Set	ENG	[0 or 1 / 0 / 1/step]

5-803-220	ITB Unit Drawer B	ENG	[0 or 1 / 0 / 1/step]
5-803-221	ITB Unit Drawer A	ENG	[0 or 1 / 0 / 1/step]
5-803-223	Fusing Unit Drawer 1	ENG	[0 or 1 / 0 / 1/step]
5-803-225	Fusing Unit Drawer 3	ENG	[0 or 1 / 0 / 1/step]
5-803-226	PCU Cleaning Unit(Bk) Set	ENG	[0 or 1 / 0 / 1/step]
5-803-227	PCU Cleaning Unit(C) Set	ENG	[0 or 1 / 0 / 1/step]
5-803-228	PCU Cleaning Unit(M) Set	ENG	[0 or 1 / 0 / 1/step]
5-803-229	PCU Cleaning Unit(Y) Set	ENG	[0 or 1 / 0 / 1/step]
5-803-230	PCU CL(Bk):Lubricant End Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-231	PCU CL(C):Lubricant End Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-232	PCU CL(M):Lubricant End Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-233	PCU CL(Y):Lubricant End Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-234	ITB CL:Lubricant Near End Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-235	Waste Toner Bottle Set Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-236	Waste Toner Bttl Near Full Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-237	Waste Toner Bottle Full Sn	ENG	[0 or 1 / 0 / 1/step]
5-803-238	Key Card Set	ENG	[0 or 1 / 0 / 1/step]
5-803-239	Key Counter Set	ENG	[0 or 1 / 0 / 1/step]

Input Check Table (2/2)

Input Check: Vacuum Feed LCIT RT5100 (D777)

5806	[INPUT Check] Vaccume Feed LCIT, Bypass Tray installed on Vaccume Feed LCIT.		
5-806-001	LCT1: Port1	ENG	[0 to 255 / 0 / 1/step]
5-806-002	LCT1: Port2	ENG	[0 to 255 / 0 / 1/step]
5-806-003	LCT1: Port3	ENG	[0 to 255 / 0 / 1/step]
5-806-004	LCT1: Port4	ENG	[0 to 255 / 0 / 1/step]
5-806-005	LCT1: Port5	ENG	[0 to 255 / 0 / 1/step]
5-806-006	LCT1: Port6	ENG	[0 to 255 / 0 / 1/step]
5-806-007	LCT1: Port7	ENG	[0 to 255 / 0 / 1/step]
5-806-008	LCT1: Port8	ENG	[0 to 255 / 0 / 1/step]
5-806-009	LCT1: Port9	ENG	[0 to 255 / 0 / 1/step]
5-806-010	LCT1: Port10	ENG	[0 to 255 / 0 / 1/step]
5-806-011	LCT1: Port11	ENG	[0 to 255 / 0 / 1/step]
5-806-012	LCT2: Port1	ENG	[0 to 255 / 0 / 1/step]
5-806-013	LCT2: Port2	ENG	[0 to 255 / 0 / 1/step]
5-806-014	LCT2: Port3	ENG	[0 to 255 / 0 / 1/step]
5-806-015	LCT2: Port4	ENG	[0 to 255 / 0 / 1/step]
5-806-016	LCT2: Port5	ENG	[0 to 255 / 0 / 1/step]
5-806-017	LCT2: Port6	ENG	[0 to 255 / 0 / 1/step]
5-806-018	LCT2: Port7	ENG	[0 to 255 / 0 / 1/step]
5-806-019	LCT2: Port8	ENG	[0 to 255 / 0 / 1/step]
5-806-020	LCT2: Port9	ENG	[0 to 255 / 0 / 1/step]

5-806-021	LCT2: Port10	ENG	[0 to 255 / 0 / 1/step]
5-806-022	LCT2: Port11	ENG	[0 to 255 / 0 / 1/step]
5-806-023	LCT3: Port1	ENG	[0 to 255 / 0 / 1/step]
5-806-024	LCT3: Port2	ENG	[0 to 255 / 0 / 1/step]
5-806-025	LCT3: Port3	ENG	[0 to 255 / 0 / 1/step]
5-806-026	LCT3: Port4	ENG	[0 to 255 / 0 / 1/step]
5-806-027	LCT3: Port5	ENG	[0 to 255 / 0 / 1/step]
5-806-028	LCT3: Port6	ENG	[0 to 255 / 0 / 1/step]
5-806-029	LCT3: Port7	ENG	[0 to 255 / 0 / 1/step]
5-806-030	LCT3: Port8	ENG	[0 to 255 / 0 / 1/step]
5-806-031	LCT3: Port9	ENG	[0 to 255 / 0 / 1/step]
5-806-032	LCT3: Port10	ENG	[0 to 255 / 0 / 1/step]
5-806-033	LCT3: Port11	ENG	[0 to 255 / 0 / 1/step]

Port1 bit information

bit	Component	0	1
bit0	Front Door Open/Close Switch	Close	Open
bit1	Multi Bypass Slide Detection	Close	Open
bit2	Bridge Unit Door Open Detection	Open	Close
bit3	Horizontal Transport Open Detection	Close	Open
bit4	Banner Sheet Tray Open Detection Switch	Close	Open
bit5	-	-	-
bit6	-	-	-
bit7	-	-	-

Port2 bit information

Bit	Component	0	1
bit0	Multi Bypass Set Detection	Detect	Not detect
bit1	Bridge Unit Set Detection	Detect	Not detect
bit2	Banner Sheet Tray Set Detection Switch	Detect	Not detect
bit3	-	-	-
Bit4	LCIT Exit Roller Contact Sensor	Not detect	Detect
Bit5	Banner Sheet Tray Lift Switch	Detect	Not detect
Bit6	-	-	-
Bit7	-	-	-

Port3 bit information

Bit	Component	0	1
bit0	Tray1 Paper Tray Set Detection	Set	Not set
bit1	Tray1 Paper Feed Belt Set Detection	Set	Not set
bit2	Tray1 Tray Upper Limit Sensor	Not detect	Detect
bit3	Tray1 Upper Switching Sensor	Detect	Not detect
bit4	Tray1 Paper Upper Limit Sensor 1	Detect	Not detect
bit5	Tray1 Paper Upper Limit Sensor 2	Detect	Not detect
bit6	Tray1 Sub Paper Remaining Sensor	Not detect	Detect
bit7	Tray1 Paper Lower Limit Sensor	Not detect	Detect

Port4 bit information

Bit	Component	0	1
bit0	Tray1 Paper Size Sensor 1	Not detect	Detect
bit1	Tray1 Paper Size Sensor 2	Not detect	Detect
bit2	Tray1 Paper Size Sensor 3	Not detect	Detect
bit3	Tray1 Paper Size Sensor 4	Not detect	Detect

Bit	Component	0	1
bit4	Tray1 LCIT Paper Length Sensor 1	Not detect	Detect
bit5	Tray1 LCIT Paper Length Sensor 2	Not detect	Detect
bit6	Tray1 Main Paper Remaining	Not detect	Detect
bit7	Tray1 Paper End Sensor	Detect	Not detect

Port5 bit information

Bit	Component	0	1
bit0	Tray2 Paper Tray Set Detection	Set	Not set
bit1	Tray2 Paper Feed Belt Set Detection	Set	Not set
bit2	Tray2 Tray Upper Limit Sensor	Not detect	Detect
bit3	Tray2 Upper Switching Sensor	Detect	Not detect
bit4	Tray2 Paper Upper Limit Sensor 1	Detect	Not detect
bit5	Tray2 Paper Upper Limit Sensor 2	Detect	Not detect
bit6	Tray2 Sub Paper Remaining Sensor	Not detect	Detect
bit7	Tray2 Paper Lower Limit Sensor	Not detect	Detect

Port6 bit information

Bit	Component	0	1
Bit0	Tray2 Paper Size Sensor 1	Not detect	Detect
bit1	Tray2 Paper Size Sensor 2	Not detect	Detect
bit2	Tray2 Paper Size Sensor 3	Not detect	Detect
bit3	Tray2 Paper Size Sensor 4	Not detect	Detect
bit4	Tray2 LCIT Paper Length Sensor 1	Not detect	Detect
bit5	Tray2 LCIT Paper Length Sensor 2	Not detect	Detect
bit6	Tray2 Main Paper Remaining	Not detect	Detect
bit7	Tray2 Paper End Sensor	Detect	Not detect

Port7 bit information

Bit	Component	0	1
bit0	Bypass: Tray Lift Switch	Detect	Not detect
bit1	Bypass: Lift Sensor 1	Detect	Not detect
bit2	Bypass: Lift Sensor 2	Detect	Not detect
bit3	Bypass: Paper Height Sensor 1	Not detect	Detect
bit4	Bypass: Paper Height Sensor 2	Not detect	Detect
bit5	Bypass: Tray Lower Limit Sensor	Not detect	Detect
bit6	Bypass: Paper End Sensor	Detect	Not detect
bit7	-	-	-

Port8 bit information

Bit	Component	0	1
bit0	Bypass: Paper Width Switch 1	Detect	Not detect
bit1	Bypass: Paper Width Switch 2	Detect	Not detect
bit2	Bypass: Paper Width Switch 3	Detect	Not detect
bit3	Bypass: Paper Width Switch 4	Detect	Not detect
bit4	Bypass: Paper Width Switch 5	Detect	Not detect
bit5	Bypass: Paper Length Sensor	Detect	Not detect
bit6	-	-	-
bit7	-	-	-

Port9 bit information

Bit	Component	0	1
bit0	Tray 1 Paper Feed Sensor	Detect	Not detect
bit1	Tray 1 Transport Sensor	Detect	Not detect
bit2	Tray 1 Vertical Transport Sensor	Detect	Not detect
bit3	-	-	-

Bit	Component	0	1
bit4	Tray2 Paper Feed Sensor	Detect	Not detect
bit5	Tray2 Transport Sensor	Detect	Not detect
bit6	Tray2 Vertical Transport Sensor	Detect	Not detect
bit7	-	-	-

Port10 bit information

Bit	Component	0	1
bit0	Bypass: Paper Feed Sensor	Detect	Not detect
bit1	Bypass Transport Sensor 2	Detect	Not detect
bit2	Bypass Transport Sensor 1	Detect	Not detect
bit3	-	-	-
bit4	-	-	-
bit5	-	-	-
bit6	-	-	-
bit7	-	-	-

Port11 bit information

Bit	Component	0	1
bit0	LCIT Exit Sensor	Detect	Not detect
bit1	LCIT Connect Entrance Sensor	Detect	Not detect
bit2	LCIT Connect Exit Sensor	Detect	Not detect
bit3	Horizontal Transport Entrance Sensor	Detect	Not detect
bit4	Horizontal Transport Middle Sensor	Detect	Not detect
bit5	Horizontal Transport Exit Sensor	Detect	Not detect
bit6	-	-	-
bit7	-	-	-

Input Check: Finisher SR5060 (D734) / Finisher SR5050 (D735)

6241	[Finisher Input Check]		
6-241-001	Finisher Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-002	Pre-stack Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-003	Pre-stack Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Pressurized 1: Non-pressurized
6-241-004	Proof Tray JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-005	Stack JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-006	Proof Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-007	Proof Tray Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-241-008	Punch Vertical Registration Sn	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-009	Punch Side-to-Side Regist Sn	ENG	[0 to 255 / 0 / 1/step] 0 to 255: CIS readings

6-241-010	Punch Blade HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-011	Punch Unit HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-012	Punch Switch	ENG	[0 or 1 / 0 / 1/step] 0: Not switching position 1: Switching position
6-241-013	Punch Hopper Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-241-014	Punch Set Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Unset 1: Set
6-241-015	Stack Plate HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-016	Corner Stapler HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-017	Stapler Rotation HP Sn: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-018	Stapler Rotation HP Sn: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-019	Fence S-to-S Moving HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position

6-241-020	Fence Up-Down Moving HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-021	Jogger Fence HP Sensor: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-022	Jogger Fence HP Sensor: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-023	Positioning Roller Vibrating HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-024	Top Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-025	Stack Feed-out Belt HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-026	Stapling Tray Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-027	Corner Stapler HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-028	Staple End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No staple 1: Staple available
6-241-029	Self-Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No staple 1: Staple available

6-241-030	Stpl Trimmings Hopper Set Sn	ENG	[0 or 1 / 0 / 1/step] 0: Unset 1: Set
6-241-031	Stpl Trimmings Hopper Full Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-241-032	Stapling Tray Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-033	Stack Transport Unit HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-034	Stack JG Vibrating HP Senser	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-035	Bklet Top Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-036	Bklet Stplr Clamp Roller HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-037	Fold Plate Cam HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position n
6-241-038	Fold Plate HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-039	Bklet Side Fence HP Sn: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position

6-241-040	Bklet Side Fence HP Sn: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-041	Bklet Stplr Bottom Fence HP Sn	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-042	Fold Unit Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-043	Bklet Stapler Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-044	Bklet Stapler HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-045	Bklet Stplr Stpl End Sn: Front	ENG	[0 or 1 / 0 / 1/step] 0: No staple 1: Staple available
6-241-046	Bklet Stplr Stpl End Sn: Rear	ENG	[0 or 1 / 0 / 1/step] 0: No staple 1: Staple available
6-241-047	Bklet Tray Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-241-048	Bklet Tray Paper Set Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-049	Bklet Tray Set Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Unset 1: Set

6-241-050	Shift Tray Exit Sensor: Long	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-051	Shift Tray Exit Sensor: Short	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-241-052	Exit Guide HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-053	Drag Roller Vibrating HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-054	Press Lever HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-055	Shift Tray Upper Limit Switch	ENG	[0 or 1 / 0 / 1/step] 0: Not pressed 1: Pressed
6-241-056	Shift Tray HP Sensor: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-057	Shift Tray HP Sensor: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-058	Paper Height Sensor: Staple	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-059	Paper Height Sensor: Shift	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect

6-241-060	Paper Height Sensor: Z-Fold	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-061	Paper Height Sensor: TE	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-062	Shift Tray Full Sensor: 500	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-063	Shift Tray Full Sensor: 1000	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-064	Shift Tray Full Sensor: 1500	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-065	Shift Full Sensor(L-Limit)	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-241-066	Shift Full Sensor(Reserve)	ENG	[0 or 1 / 0 / 1/step] Not used
6-241-067	Shift Tray Emergency Stop Sw	ENG	[0 or 1 / 0 / 1/step] 0: Not pressed 1: Pressed
6-241-068	Shift Tray Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-241-069	Shift Tray Jog Fence Retra HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position

6-241-070	Front Door Switch	ENG	[0 or 1 / 0 / 1/step] 0: Not pressed 1: Pressed
6-241-071	Punch Type 1	ENG	[0 or 1 / 0 / 1/step]
6-241-072	Punch Type 2	ENG	JP: 071: 0, 072: 0 NA: 071: 0, 072: 1 EU: 071: 1, 072: 0 NE: 071: 1, 072: 1
6-241-073	Staple Tray Set Sensor	ENG	[0 or 1 / 0 / 1/step] Not used
6-241-074	Reserved	ENG	[0 or 1 / 0 / 1/step] Not used

Input Check: Multi-Folding Unit FD5020 (D740)

6309	[INPUT Check Multi Folder]		
6-309-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-002	Entrance JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-004	Registration Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-005	Dynamic Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position

6-309-006	Registration Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-007	Fold Plate HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-008	Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-010	1st Stopper Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-011	1st Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-012	2nd Stopper Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-013	2nd Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-014	3rd Stopper Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-015	3rd Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-309-016	Direct-Send JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position

6-309-017	FM6 Pawl HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home position 1: Not home position
6-309-018	Top Tray Paper Path Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-019	Top Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-020	Horizontal Path Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-021	Top Tray Full Sensor (E)	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-309-023	Front Door Switch (SW1)	ENG	[0 or 1 / 0 / 1/step] 0: Door closed 1: Door open
6-309-024	Horizontal Path Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-025	Vertical Path Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-026	Bypass Entrance Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-309-027	Bypass Exit Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

Input Check: Cover Interposer Tray CI5030 (D738)

6400	[Cvr Inserter Input Check]		
6-400-001	1st Paper Feed Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-002	2nd Paper Feed Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-003	1st Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-004	2nd Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-005	1st Vertical Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-006	2nd Vertical Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-007	Output Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-008	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-009	Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-400-010	1st Pick-up Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-400-011	2nd Pick-up Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position 1: Home position
6-400-012	1st Upper Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not upper limit 1: Upper limit
6-400-013	2nd Upper Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not upper limit 1: Upper limit
6-400-014	1st Lower Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not lower limit 1: Lower limit
6-400-015	2nd Lower Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not lower limit 1: Lower limit
6-400-016	1st Paper Near End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not near end 1: Near end
6-400-017	2nd Paper Near End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not near end 1: Near end
6-400-018	1st Paper End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-400-019	2nd Paper End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-400-020	1st Paper Length Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-021	2nd Paper Length Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-022	1st Paper Width Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-023	1st Paper Width Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-024	1st Paper Width Sensor 3	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-025	1st Paper Width Sensor 4	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-026	1st Paper Width Sensor 5	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-027	2nd Paper Width Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-028	2nd Paper Width Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-029	2nd Paper Width Sensor 3	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect

6-400-030	2nd Paper Width Sensor 4	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-031	2nd Paper Width Sensor 5	ENG	[0 or 1 / 0 / 1/step] 0: Detect 1: Not detect
6-400-032	1st Feed Cover Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Close
6-400-033	2nd Feed Cover Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Close
6-400-034	Cover Vertical Transport Switch	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Close
6-400-035	Front Door Open Switch	ENG	[0 or 1 / 0 / 1/step] 0: Close 1: Open

Input Check: Ring Binder RB5020 (D737)

6508	[Input Check: Ring Binder]		
6-508-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-508-002	Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-508-003	Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-508-004	Punch Process Reference Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-508-005	Binder Delivery Base Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-508-006	Path JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Binded 1: Not binded
6-508-007	Paper Jog HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Pushing / retracting position 1: Reference position
6-508-008	Jog Roller Lift HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Retracting jog roller 1: Pressing jog roller
6-508-009	Punch HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home position 1: Not home position
6-508-010	Punch Encoder Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
6-508-011	Unit Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Punch unit available 1: No punch unit

6-508-012	Punch Size A4/LT Sensor	ENG	[0 or 1 / 0 / 1/step] 0: A4 1: LT
6-508-013	Punch Type Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Max 1: Other
6-508-014	Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not full 1: Full
6-508-015	Punchout Box Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No punchout box 1: Punchout box available
6-508-016	Output Belt 1 HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Standby position 1: Reference position
6-508-017	Output Belt 2 HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Standby position 1: Reference position
6-508-018	Output Belt Rotation HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Booklet receiving position 1: Standby position (ejecting position)
6-508-019	Output Unit Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Booklet not detected 1: Booklet detected
6-508-020	Booklet Pass Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Booklet not detected 1: Booklet detected

6-508-021	Stack HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not home position (above lower limit position) 1: Home position (lower limit position)
6-508-022	Stack Height Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Below booklet height upper limit 1: Booklet height upper limit
6-508-024	Stacker Paper Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Booklet not detected 1: Booklet detected
6-508-025	Tray Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Tray detected 1: Tray not detected
6-508-026	Obstacle Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect Obstacle
6-508-027	Book Position Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Normal position 1: Defective
6-508-028	Binder Unit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Binder unit available 1: No binder unit
6-508-029	Width Align HP Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: LT position 1: A4 position
6-508-030	Paddle Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paddle retracted position 1: Paddle pressed position

6-508-031	Clamp HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Clamp open position 1: Clamp pressed position
6-508-032	Alignment Pin HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Alignment in operation 1: Standby position
6-508-033	Shutter HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home position when Shutter Motor HP Sensor is "0". 1: Open position when Shutter Motor HP Sensor is "0".
6-508-034	50-Sheet Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Above 50-sheet 1: Below 50-sheet
6-508-035	Paper Thickness Sensor	ENG	[0 or 1 / 0 / 1/step] Repeats "1" and "0" according to the paper thickness
6-508-037	Paper LE Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-508-038	Alignment Pin Top Edge Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Standby position 1: Alignment position
6-508-039	Width Align HP Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Pushing position 1: Retracting position

6-508-040	De-curler Motor HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: In the middle of moving to holding position 1: Standby position (holding position)
6-508-041	Shutter Motor HP Sensor	ENG	[0 or 1 / 0 / 1/step] Reads in combination with Shutter HP Sensor
6-508-042	Roller Lift Motor HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open position 1: Pressed position
6-508-043	Binder HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: In binding operation 1: Standby position
6-508-044	Bind Timing Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Repeats High / Low with the post process 1: Standby position (home position)
6-508-045	Ring Replace HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Position for 50 or 100 1: Initial position
6-508-046	Ring Replace Timing Sensor	ENG	[0 or 1 / 0 / 1/step] Moves position with repeating "0" and "1"
6-508-047	Ring Supply Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No cartridge 1: Cartridge available
6-508-048	Cartridge Reversed Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Normal attached 1: Reverse attached

6-508-049	Ring Near-End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not near end 1: Near end
6-508-050	Ring 50/100 Sensor	ENG	[0 or 1 / 0 / 1/step] 0: 100 sheets 1: 50 sheets
6-508-051	Ring A4/LT Sensor	ENG	[0 or 1 / 0 / 1/step] 0: A4 1: LT

Input Check: Perfect Binder GB5010 (D736)

6537	[Input Check: Perfect Binder]		
6-537-001	Entrance sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-002	Timing Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-003	Jog Sensor HP: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not Home position 1: Home Position
6-537-004	Jog Sensor HP: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not Home position 1: Home Position
6-537-005	Jog Sensor HP: Front Large	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position

6-537-006	Jog Sensor HP: Rear Large	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-007	Cover Path: Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-008	Cover Path: Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-009	Signature Path: Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-010	Signature Path: Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-011	Inserter Com Sn:Before Joining	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-012	Switchback Flapper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not upper position 1: Upper position
6-537-013	Switchback Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not upper position 1: Upper position
6-537-014	Cover Registration Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-015	Straight-Through Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-537-016	TE Press Lever HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Nip position 1: Not nip position
6-537-017	Stack Overflow Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Stack over position 1: Stackable position
6-537-018	Tray Lower Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not lower limit position 1: Lower limit position
6-537-019	Paper Detect Sensor: Front	ENG	[0 or 1 / 0 / 1/step] 0: Detection position 1: Not detection position
6-537-020	Paper Detect Sensor: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Detection position 1: Not detection position
6-537-021	Cover Guide HP Sensor: Right	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-022	Cover Guide HP Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-023	Cover Guide Open Sensor: Right	ENG	[0 or 1 / 0 / 1/step] 0: Not open position 1: Open position
6-537-024	Cover Guide Open Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Not open position 1: Open position
6-537-025	Stack Weight Move HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position

6-537-026	Stack Tray HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-027	Front Door SW	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-028	Top Cover Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-029	Top Cover Switch	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-030	Glue Tank Cover Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-031	Temperature Start Switch	ENG	[0 or 1 / 0 / 1/step] 0: Pressed 1: Not pressed
6-537-032	Inserter Connect Signal	ENG	[0 or 1 / 0 / 1/step] 0: Connected 1: Not connected
6-537-033	Glue Tank Empty Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Glue available 1: No glue
6-537-034	Glue Tank Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Glue available 1: No glue
6-537-035	24 V Guard 1	ENG	[0 or 1 / 0 / 1/step] 0: Normal 1: Defective

6-537-036	24 V Guard 2	ENG	[0 or 1 / 0 / 1/step] 0: Normal 1: Defective
6-537-037	Stack Tray Empty Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-038	Front Door Lock Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Locked 1: Unlocked
6-537-039	Power Supply Fan Lock: Left	ENG	[0 or 1 / 0 / 1/step] 0: Lock detected 1: Not detected
6-537-040	Sub Grip Upper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-041	Signature Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-042	Size Move HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-043	Registration Unit HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-044	Post Main Grip Encoder Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Blocked 1: Not blocked
6-537-045	24V 2 Check Signal	ENG	[0 or 1 / 0 / 1/step] 0: Normal 1: Defective

6-537-046	Spine Fold Press Sensor: Right	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-047	Main Grip HP Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-048	Cover Horizontal Registration Sensor: Small	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-049	Cover Horizontal Registration Sensor: Large	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-050	Glue Tank HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-051	Main Grip HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-052	Main Grip Front Encoder Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Blocked 1: Not blocked
6-537-053	24V 3 Check Signal	ENG	[0 or 1 / 0 / 1/step] 0: Normal 1: Defective
6-537-054	Main Grip Press Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Pressure detected
6-537-055	Main Grip Press Sensor: Small	ENG	[0 or 1 / 0 / 1/step] 0: Pressure detected 1: Not detected

6-537-056	Sub Grip Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-057	Sub Grip Open Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-058	Sub Grip Close Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-059	Spine Fold Close Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-060	Spine Plate Open Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-061	Spine Plate Close Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-062	Spine Fold HP Sensor: Left	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-063	Spine Fold HP Sensor: Right	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-064	Cutter LE Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-065	Main Grip Rotate Enable Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not allowed 1: Allowed

6-537-066	Main Grip Rotate Bind Position Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not bind position 1: Bind position
6-537-067	Main Grip Rotate HP Sensor	ENG	[0 or 1 / 0 / 1/step] [0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-068	Rear Main Grip Open Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-069	Rear Main Grip Close Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-070	Front Main Grip Open Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-071	Front Main Grip Close Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
6-537-072	Main Grip Signature Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-073	Thermostat Abnormal	ENG	[0 or 1 / 0 / 1/step] 0: Defective 1: Normal
6-537-074	Glue Heater Thermistor	ENG	[0 or 1 / 0 / 1/step] 0: Normal 1: Defective

6-537-075	Glue Unit HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-076	Book Output Path HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-077	Book Output Path Push Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not contact 1: Contact
6-537-078	Sub Grip HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-079	Signature Main Grip Position Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not main grip position 1: Main grip position
6-537-080	Signature Fan 2 Lock: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-081	Signature Fan 2 Lock: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-082	Signature Fan 1 Lock: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-083	Signature Fan 1 Lock: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-084	Power Supply Fan Lock: Center	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected

6-537-085	Power Supply Fan Lock: Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-086	Spine Plate Fan Lock: Upper Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-087	Spine Plate Fan Lock: Front	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-088	Spine Plate Fan Lock: Lower Rear	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-089	Spine Plate Fan Lock: Lower Front	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-090	Glue Tank Roller: Rotate Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not blocked 1: Blocked
6-537-091	Glue Supply Fan: Lock 1	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-092	Glue Supply Fan Lock 2	ENG	[0 or 1 / 0 / 1/step] 0: Not detected 1: Lock detected
6-537-093	Book Catch Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-094	Output Stack Door Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed

6-537-095	Output Stack Door Switch	ENG	[0 or 1 / 0 / 1/step] 0: Not pressed 1: Pressed
6-537-096	Book Buffer Tray HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-097	Trim Scrap Buffer HP Sensor: Right	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-098	Press HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-099	Blade Cradle HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-100	Cutter Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Limit reached 1: Limit not reached
6-537-101	Cutter Area Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Cutter retracting side 1: Blade receiving side
6-537-102	Entrance Path Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-103	Book Registration Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-104	Cutter Area Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Front side 1: Far side

6-537-105	LE Detect Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-106	Grip End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: End position 1: Not end position
6-537-107	Book Rotate HP Sensor 1: Right	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-108	Press End Sensor	ENG	[0 or 1 / 0 / 1/step] 0: End position 1: Not end position
6-537-109	Slide HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-110	Grip HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-111	Book Rotate HP Sensor 2: Left	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-112	Press Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Limit reached 1: Limit not reached
6-537-113	Trim Scrap Box Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Scrap box available 1: No scrap box
6-537-114	Book Arrival Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-537-115	Book Detect Sensor: Output Tray	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-116	Output Tray HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-117	Trim Scrap Buffer HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-537-118	Trim Scrap Box Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Full 1: Not full
6-537-119	Front Door SW: Center	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-120	Front Door SW: 36V	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-121	Thrust Plate Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-537-122	Upper Tray Empty Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-123	Lower Tray Empty Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-124	Upper Tray Pickup Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not pickup position 1: Pickup position

6-537-125	Lower Tray Pickup Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not pickup position 1: Pickup position
6-537-126	Insertor Cover Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open
6-537-127	Lower Tray Paper Out Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-128	Lower Tray Registration Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-129	Upper Tray Registration Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-130	Upper Tray: Large Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-131	Upper Tray: Small Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-132	Lower Tray Lower Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Lower limit position 1: Not lower limit position
6-537-133	Transport Sensor: Midway	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-134	Insertor Unit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open

6-537-135	Upper Tray Lower Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Lower limit position 1: Not lower limit position
6-537-136	Drive Gear Switching Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Upper tray drive 1: Lower tray drive
6-537-137	Transport Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-138	Transport Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-537-139	Relay Unit Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-537-140	Relay Unit Front Door Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Closed 1: Open

Input Check: High Capacity Stacker SK5030 (D776)

6600	[Stacker1 Input Check]		
6-600-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-600-002	Shift Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-600-003	Proof Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-600-004	Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-600-005	Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-600-006	Proof Tray Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Full 1: Not full
6-600-007	Shift Tray JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-600-008	Proof Tray JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-600-009	Shift Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-600-010	Front Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-600-011	Rear Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-600-012	Jog Fence Retraction HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position

6-600-013	LE Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-600-014	Paper Height Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-600-015	Shift Tray Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-600-016	Tray Full Sensor 1: 25%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-600-017	Tray Full Sensor 2: 50%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-600-018	Tray Full Sensor 3: 75%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-600-019	Tray Full Sensor 4: 100%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-600-020	Tray Low Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-600-021	Roll Away Cart Set SW	ENG	[0 or 1 / 0 / 1/step] 0: Roll-away cart available 1: No roll-away cart
6-600-022	Tray Guard Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect obstacle

6-600-023	Tray Guard Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect obstacle
6-600-024	Sub Jogger HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-600-025	Down Button	ENG	[0 or 1 / 0 / 1/step] 0: On 1: Off
6-600-026	Jam Button	ENG	[0 or 1 / 0 / 1/step] 0: On 1: Off
6-600-027	Top Door SW	ENG	[0 or 1 / 0 / 1/step] 0: Top door closed 1: Top door open
6-600-028	Front Door SW	ENG	[0 or 1 / 0 / 1/step] 0: Front door closed 1: Front door open

Input Check: High Capacity Stacker SK5030 (D776)

6606	[Stacker2 Input Check]		
6-606-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-606-002	Shift Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected

6-606-003	Proof Tray Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-606-004	Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-606-005	Transport Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-606-006	Proof Tray Full Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Full 1: Not full
6-606-007	Shift Tray JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-606-008	Proof Tray JG HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-606-009	Shift Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-606-010	Front Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-606-011	Rear Jogger Fence HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-606-012	Jog Fence Retraction HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position

6-606-013	LE Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-606-014	Paper Height Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect
6-606-015	Shift Tray Paper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-606-016	Tray Full Sensor 1: 25%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-606-017	Tray Full Sensor 2: 50%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-606-018	Tray Full Sensor 3: 75%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-606-019	Tray Full Sensor 4: 100%	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-606-020	Tray Low Limit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: No tray 1: Tray available
6-606-021	Roll Away Cart Set SW	ENG	[0 or 1 / 0 / 1/step] 0: Roll-away cart available 1: No roll-away cart
6-606-022	Tray Guard Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect obstacle

6-606-023	Tray Guard Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Not detect 1: Detect obstacle
6-606-024	Sub Jogger HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position
6-606-025	Down Button	ENG	[0 or 1 / 0 / 1/step] 0: On 1: Off
6-606-026	Jam Button	ENG	[0 or 1 / 0 / 1/step] 0: On 1: Off
6-606-027	Top Door SW	ENG	[0 or 1 / 0 / 1/step] 0: Top door closed 1: Top door open
6-606-028	Front Door SW	ENG	[0 or 1 / 0 / 1/step] 0: Front door closed 1: Front door open

Input Check: Trimmer Unit TR5040 (D520)

6650	[Input Check: Trimmer]		
6-650-001	Entrance Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-650-002	Stopper Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected

6-650-003	Exit Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-650-004	Booklet Sensor 1	ENG	[0 or 1 / 0 / 1/step] 0: Paper detected 1: Paper not detected
6-650-005	Booklet Sensor 2	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-650-006	Booklet Sensor 3	ENG	[0 or 1 / 0 / 1/step] 0: Paper not detected 1: Paper detected
6-650-007	Trimming Blade HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-650-008	Cut Position HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-650-009	Press Roller HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-650-010	Press Stopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Home Position 1: Not Home Position
6-650-011	Scrap Hopper Full HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Full 1: Not full
6-650-012	Scrap Hopper HP Sensor	ENG	[0 or 1 / 0 / 1/step] 0: Not Home Position 1: Home Position

6-650-013	Door Switch	ENG	[0 or 1 / 0 / 1/step] 0: Open 1: Closed
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Output Check Table

Output Check: Main Machine

5804	[Output Check]		
5-804-001	Separate Fan: Front: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-002	Separate Fan: Rear: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-003	Float Fan: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-004	Separate Fan: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-005	Suction Fan 1: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-006	Suction Fan 2: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-007	Paper Feed Motor: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-008	Paper Transport Motor: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-010	Vertical Transport Motor: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-014	Float Solenoid: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-015	Separate Solenoid Front: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-016	Separate Solenoid Rear: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-017	LED: Tray 1	ENG	[0 or 1 / 0 / 1/step]
5-804-025	Registration Timing Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-026	PTR Timing Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-027	Shift Roller Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-028	Registration Roller Lift Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-804-029	Registration Roller Lift Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-804-030	Rotary Gate Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-031	CIS Cleaning Fan: Left	ENG	[0 or 1 / 0 / 1/step]
5-804-032	Registration Cooling Fan	ENG	[0 or 1 / 0 / 1/step]

5-804-033	Registration Entrance Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-804-034	Registration Entrance Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-804-035	Toner Supply Motor: K	ENG	[0 or 1 / 0 / 1/step]
5-804-036	Toner Supply Motor: C	ENG	[0 or 1 / 0 / 1/step]
5-804-037	Toner Supply Motor: M	ENG	[0 or 1 / 0 / 1/step]
5-804-038	Toner Supply Motor: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-039	Toner Bottle Motor: K1	ENG	[0 or 1 / 0 / 1/step]
5-804-040	Toner Bottle Motor: K2	ENG	[0 or 1 / 0 / 1/step]
5-804-041	Toner Bottle Motor: C1	ENG	[0 or 1 / 0 / 1/step]
5-804-042	Toner Bottle Motor: C2	ENG	[0 or 1 / 0 / 1/step]
5-804-043	Toner Bottle Motor: M1	ENG	[0 or 1 / 0 / 1/step]
5-804-044	Toner Bottle Motor: M2	ENG	[0 or 1 / 0 / 1/step]
5-804-045	Toner Bottle Motor: Y1	ENG	[0 or 1 / 0 / 1/step]
5-804-046	Toner Bottle Motor: Y2	ENG	[0 or 1 / 0 / 1/step]
5-804-055	Toner Agitation Motor: K	ENG	[0 or 1 / 0 / 1/step]
5-804-056	Toner Agitation Motor: C	ENG	[0 or 1 / 0 / 1/step]
5-804-057	Toner Agitation Motor: M	ENG	[0 or 1 / 0 / 1/step]
5-804-058	Toner Agitation Motor: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-059	Toner Remaining LED: K1	ENG	[0 or 1 / 0 / 1/step]
5-804-060	Toner Remaining LED: K2	ENG	[0 or 1 / 0 / 1/step]
5-804-061	Toner Remaining LED: C1	ENG	[0 or 1 / 0 / 1/step]
5-804-062	Toner Remaining LED: C2	ENG	[0 or 1 / 0 / 1/step]
5-804-063	Toner Remaining LED: M1	ENG	[0 or 1 / 0 / 1/step]
5-804-064	Toner Remaining LED: M2	ENG	[0 or 1 / 0 / 1/step]
5-804-065	Toner Remaining LED: Y1	ENG	[0 or 1 / 0 / 1/step]
5-804-066	Toner Remaining LED: Y2	ENG	[0 or 1 / 0 / 1/step]

5-804-070	Waste Toner Transport Motor: Upper	ENG	[0 or 1 / 0 / 1/step]
5-804-071	Waste Toner Transport Motor: Lower	ENG	[0 or 1 / 0 / 1/step]
5-804-072	Quenching Lamp: K	ENG	[0 or 1 / 0 / 1/step]
5-804-073	Quenching Lamp: CMY	ENG	[0 or 1 / 0 / 1/step]
5-804-074	2nd Quenching Lamp: K	ENG	[0 or 1 / 0 / 1/step]
5-804-075	2nd Quenching Lamp: CMY	ENG	[0 or 1 / 0 / 1/step]
5-804-081	All Polygon Motors	ENG	[0 or 1 / 0 / 1/step]
5-804-085	Development Motor: K	ENG	[0 or 1 / 0 / 1/step]
5-804-086	Development Motor: C	ENG	[0 or 1 / 0 / 1/step]
5-804-087	Development Motor: M	ENG	[0 or 1 / 0 / 1/step]
5-804-088	Development Motor: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-089	Drum Motor: K	ENG	[0 or 1 / 0 / 1/step]
5-804-090	Drum Motor: C	ENG	[0 or 1 / 0 / 1/step]
5-804-091	Drum Motor: M	ENG	[0 or 1 / 0 / 1/step]
5-804-092	Drum Motor: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-093	Drum Cleaning Motor: K	ENG	[0 or 1 / 0 / 1/step]
5-804-094	Drum Cleaning Motor: C	ENG	[0 or 1 / 0 / 1/step]
5-804-095	Drum Cleaning Motor: M	ENG	[0 or 1 / 0 / 1/step]
5-804-096	Drum Cleaning Motor: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-100	ITB Drive Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-101	Belt Centering Motor (HP)	ENG	[0 or 1 / 0 / 1/step]
5-804-103	Paper Transfer Belt Drive Mtr	ENG	[0 or 1 / 0 / 1/step]
5-804-105	ITB Color Lift Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-106	ITB Black Lift Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-107	PTR Lift Motor (CW)	ENG	[0 or 1 / 0 / 1/step]
5-804-108	PTR Lift Motor (CCW)	ENG	[0 or 1 / 0 / 1/step]

5-804-111	ITB Cleaning Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-112	PTB Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-804-113	PTB Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-804-114	PTB Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-115	PTB Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-116	PTB Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-117	PTB Fan 4	ENG	[0 or 1 / 0 / 1/step]
5-804-118	PTB Fan 5	ENG	[0 or 1 / 0 / 1/step]
5-804-119	PTB Fan 6	ENG	[0 or 1 / 0 / 1/step]
5-804-120	PTB Fan 7	ENG	[0 or 1 / 0 / 1/step]
5-804-121	PTB Fan 8	ENG	[0 or 1 / 0 / 1/step]
5-804-122	PTB Fan 9	ENG	[0 or 1 / 0 / 1/step]
5-804-123	PTB Fan 10	ENG	[0 or 1 / 0 / 1/step]
5-804-124	PTB Fan 11	ENG	[0 or 1 / 0 / 1/step]
5-804-125	PTB Fan 12	ENG	[0 or 1 / 0 / 1/step]
5-804-126	ID Sensor Cleaning Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-145	Fusing Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-146	Press Roller Lift Motor (HP)	ENG	[0 or 1 / 0 / 1/step]
5-804-147	Press Roller Lift Motor (Up)	ENG	[0 or 1 / 0 / 1/step]
5-804-148	Web Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-149	Cleaning Web Contact Motor: Pos. 4	ENG	[0 or 1 / 0 / 1/step]
5-804-152	Cleaning Web Contact Motor: Pos. 1	ENG	[0 or 1 / 0 / 1/step]
5-804-153	Fusing Refresh Roller Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-154	Fusing Ref Roll Contact Motor: Pos. 4	ENG	[0 or 1 / 0 / 1/step]
5-804-157	Fusing Ref Roll Contact Motor: Pos. 1	ENG	[0 or 1 / 0 / 1/step]
5-804-158	Pressure Roller Intake Fan 1	ENG	[0 or 1 / 0 / 1/step]

5-804-159	Pressure Roller Intake Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-160	Pressure Roller Intake Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-161	Pressure Roller Exhaust Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-162	Paper Edge Sn Shutter Solenoid	ENG	[0 or 1 / 0 / 1/step]
5-804-175	Paper Cooling Belt Motor	ENG	[0 or 1 / 0 / 1/step]
5-804-176	Belt Centering Roller Motor: Upper	ENG	[0 or 1 / 0 / 1/step]
5-804-177	Belt Centering Roller Motor: Lower	ENG	[0 or 1 / 0 / 1/step]
5-804-180	Development Unit Cooling Fan: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-181	Development Unit Cooling Fan: M	ENG	[0 or 1 / 0 / 1/step]
5-804-182	Development Unit Cooling Fan: C	ENG	[0 or 1 / 0 / 1/step]
5-804-183	Development Unit Cooling Fan: K	ENG	[0 or 1 / 0 / 1/step]
5-804-184	Laser Unit Cooling Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-186	Charger Entrance Fan: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-187	Charger Entrance Fan: M	ENG	[0 or 1 / 0 / 1/step]
5-804-188	Charger Entrance Fan: C	ENG	[0 or 1 / 0 / 1/step]
5-804-189	Charger Entrance Fan: K	ENG	[0 or 1 / 0 / 1/step]
5-804-190	Ozone Exhaust Fan: Y	ENG	[0 or 1 / 0 / 1/step]
5-804-191	Ozone Exhaust Fan: M	ENG	[0 or 1 / 0 / 1/step]
5-804-192	Ozone Exhaust Fan: C	ENG	[0 or 1 / 0 / 1/step]
5-804-193	Ozone Exhaust Fan: K	ENG	[0 or 1 / 0 / 1/step]
5-804-194	Registration Exhaust Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-195	Exhaust Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-196	Exhaust Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-197	Exhaust Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-198	Exhaust Fan 4	ENG	[0 or 1 / 0 / 1/step]
5-804-199	Exhaust Fan 8	ENG	[0 or 1 / 0 / 1/step]

5-804-200	Exhaust Fan 9	ENG	[0 or 1 / 0 / 1/step]
5-804-201	Exhaust Fan 5	ENG	[0 or 1 / 0 / 1/step]
5-804-202	Exhaust Fan 6	ENG	[0 or 1 / 0 / 1/step]
5-804-203	Exhaust Fan 7	ENG	[0 or 1 / 0 / 1/step]
5-804-204	PSU Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-205	PSU Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-206	PSU Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-207	PSU Fan 4	ENG	[0 or 1 / 0 / 1/step]
5-804-208	PSU Fan 5	ENG	[0 or 1 / 0 / 1/step]
5-804-209	Controller Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-210	Controller Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-211	Controller Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-212	Controller Fan 4	ENG	[0 or 1 / 0 / 1/step]
5-804-213	PSU Fan 6	ENG	[0 or 1 / 0 / 1/step]
5-804-214	PSU Fan 7	ENG	[0 or 1 / 0 / 1/step]
5-804-215	PSU Fan 8	ENG	[0 or 1 / 0 / 1/step]
5-804-216	PSU Fan 9	ENG	[0 or 1 / 0 / 1/step]
5-804-217	PSU Fan 10	ENG	[0 or 1 / 0 / 1/step]
5-804-218	Paper Cooling Belt Fan 1	ENG	[0 or 1 / 0 / 1/step]
5-804-219	Paper Cooling Belt Fan 2	ENG	[0 or 1 / 0 / 1/step]
5-804-220	Paper Cooling Belt Fan 3	ENG	[0 or 1 / 0 / 1/step]
5-804-221	Paper Cooling Belt Fan 4	ENG	[0 or 1 / 0 / 1/step]
5-804-222	Paper Cooling Belt Fan 5	ENG	[0 or 1 / 0 / 1/step]
5-804-223	Paper Cooling Belt Fan 6	ENG	[0 or 1 / 0 / 1/step]
5-804-224	Paper Cooling Belt Fan 7	ENG	[0 or 1 / 0 / 1/step]
5-804-225	Paper Cooling Belt Fan 8	ENG	[0 or 1 / 0 / 1/step]

5-804-226	Paper Exit Inverter Motor Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-227	Anti-condensation Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-228	Paper Coolant Pump	ENG	[0 or 1 / 0 / 1/step]
5-804-229	Ver Trans Motor Fan: T1	ENG	[0 or 1 / 0 / 1/step]
5-804-230	Ver Trans Motor Fan: T2	ENG	[0 or 1 / 0 / 1/step]
5-804-231	Regist Timing Motor Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-232	Waste Tnr Collection Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-233	Paper Trans Motor Fan: T1	ENG	[0 or 1 / 0 / 1/step]
5-804-234	Paper Trans Motor Fan: T2	ENG	[0 or 1 / 0 / 1/step]
5-804-235	De-curler Motor Cooling Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-236	PSU Exhaust Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-237	PTR Timing Motor Cooling Fan	ENG	[0 or 1 / 0 / 1/step]
5-804-240	Development Motor: K: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-241	Development Motor: C: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-242	Development Motor: M: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-243	Development Motor: Y: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-244	Drum Motor: K: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-245	Drum Motor: C: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-246	Drum Motor: M: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-247	Drum Motor: Y: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-248	Drum Cleaning Motor: K: LowSpd	ENG	[0 or 1 / 0 / 1/step]
5-804-249	Drum Cleaning Motor: C: LowSpd	ENG	[0 or 1 / 0 / 1/step]
5-804-250	Drum Cleaning Motor: M: LowSpd	ENG	[0 or 1 / 0 / 1/step]
5-804-251	Drum Cleaning Motor: Y: LowSpd	ENG	[0 or 1 / 0 / 1/step]
5-804-252	ITB Drive Motor: Low Spd	ENG	[0 or 1 / 0 / 1/step]
5-804-253	Ppr Trans Blt Drive Mtr: Low Spd	ENG	[0 or 1 / 0 / 1/step]

5-804-254	Fusing Motor: Low Spd	ENG	[0 or 1 / 0 / 1/step]
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5805	[Output Check]		
5-805-001	De-curler Unit Motor 1 (CW)	ENG	[0 or 1 / 0 / 1/step]
5-805-002	De-curler Unit Motor 1 (CCW)	ENG	[0 or 1 / 0 / 1/step]
5-805-003	De-curler Unit Motor 2 (CW)	ENG	[0 or 1 / 0 / 1/step]
5-805-004	De-curler Unit Motor 2 (CCW)	ENG	[0 or 1 / 0 / 1/step]
5-805-005	Paper Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-006	Inverter Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-007	Paper Exit Inverter Motor (Normal)	ENG	[0 or 1 / 0 / 1/step]
5-805-008	Paper Exit Inverter Motor (Reverse)	ENG	[0 or 1 / 0 / 1/step]
5-805-009	Duplex Inverter Motor (Normal)	ENG	[0 or 1 / 0 / 1/step]
5-805-010	Duplex Inverter Motor (Reverse)	ENG	[0 or 1 / 0 / 1/step]
5-805-011	Paper Exit Inverter Roll Contact Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-012	Duplex Inverter Roll Contact Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-013	Exit Junction Gate Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-014	De-curler Transport Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-805-015	De-curler Transport Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-805-016	Switchback Junction Gate Sol	ENG	[0 or 1 / 0 / 1/step]
5-805-020	Separate Fan: Front: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-021	Separate Fan: Rear: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-022	Float Fan: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-023	Separate Fan: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-024	Suction Fan 1: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-025	Suction Fan 2: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-026	Paper Feed Motor: Tray2	ENG	[0 or 1 / 0 / 1/step]

5-805-027	Paper Transport Motor: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-029	Vertical Transport Motor: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-033	Float Solenoid: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-034	Separate Solenoid Front: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-035	Separate Solenoid Rear: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-036	LED: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-040	Duplex Transport Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-805-041	Duplex Transport Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-805-042	Paper Transport Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-805-043	Paper Transport Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-805-044	Paper Transport Motor 3	ENG	[0 or 1 / 0 / 1/step]
5-805-045	Paper Transport Motor 4	ENG	[0 or 1 / 0 / 1/step]
5-805-046	Paper Transport Motor 5	ENG	[0 or 1 / 0 / 1/step]
5-805-047	Paper Transport Motor 6	ENG	[0 or 1 / 0 / 1/step]
5-805-048	Paper Transport Motor 7	ENG	[0 or 1 / 0 / 1/step]
5-805-055	Vertical Transport LED: Tray1	ENG	[0 or 1 / 0 / 1/step]
5-805-056	Vertical Transport LED: Tray2	ENG	[0 or 1 / 0 / 1/step]
5-805-057	Paper Transport LED 1	ENG	[0 or 1 / 0 / 1/step]
5-805-058	Paper Transport LED 2	ENG	[0 or 1 / 0 / 1/step]
5-805-059	Paper Transport LED 3	ENG	[0 or 1 / 0 / 1/step]
5-805-060	Paper Transport LED 4	ENG	[0 or 1 / 0 / 1/step]
5-805-061	Paper Transport LED 5	ENG	[0 or 1 / 0 / 1/step]
5-805-062	Paper Transport LED 6	ENG	[0 or 1 / 0 / 1/step]
5-805-063	Registration Entrance LED	ENG	[0 or 1 / 0 / 1/step]
5-805-064	Registration Unit LED	ENG	[0 or 1 / 0 / 1/step]
5-805-065	PTB Unit LED	ENG	[0 or 1 / 0 / 1/step]

5-805-066	Fusing Entrance LED	ENG	[0 or 1 / 0 / 1/step]
5-805-067	Fusing Unit LED	ENG	[0 or 1 / 0 / 1/step]
5-805-068	Paper Cooling Belt LED	ENG	[0 or 1 / 0 / 1/step]
5-805-069	De-curler Unit LED	ENG	[0 or 1 / 0 / 1/step]
5-805-070	Duplex Inverter LED	ENG	[0 or 1 / 0 / 1/step]
5-805-071	Paper Exit Inverter LED	ENG	[0 or 1 / 0 / 1/step]
5-805-072	Paper Exit LED	ENG	[0 or 1 / 0 / 1/step]
5-805-073	Purge Tray LED	ENG	[0 or 1 / 0 / 1/step]
5-805-100	LCT1: Paper Feed Belt Motor: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-101	LCT1: Grip Motor: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-102	LCT1: Vertical Trans Motor 1: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-103	LCT1: Vertical Trans Motor 2: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-104	LCT1: Float Fan: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-105	LCT1: Separate Fan: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-106	LCT1: Side Fan: Front: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-107	LCT1: Side Fan: Rear: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-108	LCT1: Suction Fan 1: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-109	LCT1: Suction Fan 2: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-110	LCT1: Float Fan Shutter Sol: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-111	LCT1: Side Fan Front Shutter Sol: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-112	LCT1: Side Fan Rear Shutter Sol: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-113	LCT1: LED: Tray3	ENG	[0 or 1 / 0 / 1/step]
5-805-114	LCT1: Paper Feed Belt Motor: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-115	LCT1: Grip Motor: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-116	LCT1: Vertical Trans Motor 1: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-117	LCT1: Vertical Trans Motor 2: Tray4	ENG	[0 or 1 / 0 / 1/step]

5-805-118	LCT1: Float Fan: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-119	LCT1: Separate Fan: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-120	LCT1: Side Fan: Front: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-121	LCT1: Side Fan: Rear: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-122	LCT1: Suction Fan 1: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-123	LCT1: Suction Fan 2: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-124	LCT1: Float Fan Shutter Sol: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-125	LCT1: Side Fan Front Shutter Sol: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-126	LCT1: Side Fan Rear Shutter Sol: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-127	LCT1: LED: Tray4	ENG	[0 or 1 / 0 / 1/step]
5-805-128	LCT1: Vertical Trans Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-129	LCT1: Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-130	LCT1: Exit Roller Contact Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-131	LCT2: Paper Feed Belt Motor: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-132	LCT2: Grip Motor: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-133	LCT2: Vertical Trans Motor 1: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-134	LCT2: Vertical Trans Motor 2: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-135	LCT2: Float Fan: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-136	LCT2: Separate Fan: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-137	LCT2: Side Fan: Front: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-138	LCT2: Side Fan: Rear: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-139	LCT2: Suction Fan 1: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-140	LCT2: Suction Fan 2: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-141	LCT2: Float Fan Shutter Sol: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-142	LCT2: Side Fan Front Shutter Sol: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-143	LCT2: Side Fan Rear Shutter Sol: Tray5	ENG	[0 or 1 / 0 / 1/step]

5-805-144	LCT2: LED: Tray5	ENG	[0 or 1 / 0 / 1/step]
5-805-145	LCT2: Paper Feed Belt Motor: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-146	LCT2: Grip Motor: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-147	LCT2: Vertical Trans Motor 1: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-148	LCT2: Vertical Trans Motor 2: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-149	LCT2: Float Fan: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-150	LCT2: Separate Fan: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-151	LCT2: Side Fan: Front: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-152	LCT2: Side Fan: Rear: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-153	LCT2: Suction Fan 1: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-154	LCT2: Suction Fan 2: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-155	LCT2: Float Fan Shutter Sol: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-156	LCT2: Side Fan Front Shutter Sol: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-157	LCT2: Side Fan Rear Shutter Sol: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-158	LCT2: LED: Tray6	ENG	[0 or 1 / 0 / 1/step]
5-805-159	LCT2: Vertical Trans Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-160	LCT2: Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-161	LCT2: Exit Roller Contact Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-162	LCT3: Paper Feed Belt Motor: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-163	LCT3: Grip Motor: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-164	LCT3: Vertical Trans Motor 1: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-165	LCT3: Vertical Trans Motor 2: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-166	LCT3: Float Fan: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-167	LCT3: Separate Fan: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-168	LCT3: Side Fan: Front: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-169	LCT3: Side Fan: Rear: Tray7	ENG	[0 or 1 / 0 / 1/step]

5-805-170	LCT3: Suction Fan 1: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-171	LCT3: Suction Fan 2: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-172	LCT3: Float Fan Shutter Sol: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-173	LCT3: Side Fan Front Shutter Sol: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-174	LCT3: Side Fan Rear Shutter Sol: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-175	LCT3: LED: Tray7	ENG	[0 or 1 / 0 / 1/step]
5-805-176	LCT3: Paper Feed Belt Motor: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-177	LCT3: Grip Motor: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-178	LCT3: Vertical Trans Motor 1: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-179	LCT3: Vertical Trans Motor 2: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-180	LCT3: Float Fan: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-181	LCT3: Separate Fan: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-182	LCT3: Side Fan: Front: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-183	LCT3: Side Fan: Rear: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-184	LCT3: Suction Fan 1: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-185	LCT3: Suction Fan 2: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-186	LCT3: Float Fan Shutter Sol: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-187	LCT3: Side Fan Front Shutter Sol: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-188	LCT3: Side Fan Rear Shutter Sol: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-189	LCT3: LED: Tray8	ENG	[0 or 1 / 0 / 1/step]
5-805-190	LCT3: Vertical Trans Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-191	LCT3: Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-192	LCT3: Exit Roller Contact Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-193	LCT1: Horizontal Trans Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-194	LCT1: Horizontal Trans Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-195	LCT1: Relay Motor	ENG	[0 or 1 / 0 / 1/step]

5-805-196	LCT2: Horizontal Trans Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-197	LCT2: Horizontal Trans Exit Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-198	LCT2: Relay Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-199	LCT: Bypass Feed Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-200	LCT: Bypass Transport Motor	ENG	[0 or 1 / 0 / 1/step]
5-805-201	LCT: Bypass Ver Trans Motor 1	ENG	[0 or 1 / 0 / 1/step]
5-805-202	LCT: Bypass Ver Trans Motor 2	ENG	[0 or 1 / 0 / 1/step]
5-805-203	LCT: Bypass Pickup Sol	ENG	[0 or 1 / 0 / 1/step]
5-805-204	DrumCL Lubricant NE SW Pwr Ctl	ENG	[0 or 1 / 0 / 1/step]
5-805-205	ITB CL Lubrcant NE SW Pwr Ctl	ENG	[0 or 1 / 0 / 1/step]

Output Check: Finisher SR5060 (D734) / Finisher SR5050 (D735)

6242	[Finisher Output Check]		
6-242-001	Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-002	Registration Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-003	Proof Tray Vertical Trans Mt	ENG	[0 or 1 / 0 / 1/step]
6-242-004	Pre-stack Release Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-005	Pre-stack Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-006	Shift JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-007	Stapler JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-008	Proof Tray Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-009	Horizontal Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-010	Punch Movement Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-011	Punch Switch Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-012	Punch Drive Motor	ENG	[0 or 1 / 0 / 1/step]

6-242-013	Stapling Tray Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-014	Stack Plate Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-015	Punch S-to-S Regist: CIS Lamp	ENG	[0 or 1 / 0 / 1/step]
6-242-016	Stapler Rotation Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-017	Stapler Movement Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-018	Fence Up-Down Moving Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-019	Fence S-to-S Moving Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-020	Front Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-021	Rear Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-022	Positioning Roller Vibrating Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-023	Positioning Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-024	Feed Out Belt Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-025	Top Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-026	Shutter Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-242-027	Staple Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-028	Stack Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-029	Stack JG Vibrating Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-030	Stack Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-031	Reserved	ENG	[0 or 1 / 0 / 1/step]
6-242-032	Bklet Stplr Clamp Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-033	Bklet Stplr Bottom Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-034	Bklet Stplr Side Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-035	Bklet Stplr Top Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-036	Bklet Stplr Mt	ENG	[0 or 1 / 0 / 1/step]
6-242-037	Booklet Tray Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-038	Fold Roller Motor	ENG	[0 or 1 / 0 / 1/step]

6-242-039	Fold Plate Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-040	Shift Tray Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-041	Shift Moving Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-042	Drag Drive Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-043	Drag Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-044	Exit Guide Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-045	Shift Tray Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-046	Shift Tray Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-047	Shift Tray Jog Fence Retra Mt	ENG	[0 or 1 / 0 / 1/step]
6-242-048	Exit Fan Motor	ENG	[0 or 1 / 0 / 1/step]
6-242-049	Press Lever	ENG	[0 or 1 / 0 / 1/step]

Output Check: Multi-Folding Unit FD5020 (D740)

6310	[Output Check Multi Folder]		
6-310-001	Horizontal Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-002	Top Tray Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-003	Top Tray Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-004	Dynamic Roller Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-005	Registration Roller Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-007	Entrance JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-008	1st Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-009	2nd Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-010	3rd Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-011	Dynamic Roller Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-012	Registration Roller Release Motor	ENG	[0 or 1 / 0 / 1/step]

6-310-013	Fold Plate Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-014	Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-016	Direct-Send JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-017	FM6 Pawl Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-018	1st Fold Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-019	2nd Fold Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-020	Crease Motor	ENG	[0 or 1 / 0 / 1/step]
6-310-021	Bypass JG Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-310-022	Exit JG Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-310-023	Top Tray JG Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-310-024	LE Stop Pawl Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-310-025	Reverse JG Solenoid	ENG	[0 or 1 / 0 / 1/step]
6-310-026	Horizontal Exit Motor	ENG	[0 or 1 / 0 / 1/step]

Output Check: Cover Interposer Tray CI5030 (D738)

6401	[Cvr Inserter Output Check]		
6-401-001	OFF (Stop)	ENG	[0 or 1 / 0 / 1/step]
6-401-002	1st Pick-up Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-003	2nd Pick-up Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-004	1st Paper Feed Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-005	2nd Paper Feed Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-006	1st Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-007	2nd Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-008	Vertical Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-401-009	Horizontal Transport Motor	ENG	[0 or 1 / 0 / 1/step]

Output Check: Ring Binder RB5020 (D737)

6509	[Output Check: Ring Binder]		
6-509-001	Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-002	Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-003	Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-004	Path JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-005	Jog Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-006	Side Jogger Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-007	After-Punch Output Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-008	Jog Roller Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-009	Hole Clear Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-010	Top Fence SOL	ENG	[0 or 1 / 0 / 1/step]
6-509-011	Output Belt 1 Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-012	Output Belt 2 Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-013	Output Belt Rotation Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-014	Output Tray Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-015	De-curler Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-016	Shutter Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-017	Paddle Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-018	Alignment Pin Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-019	Paddle Roller Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-020	Width Align Motor 1	ENG	[0 or 1 / 0 / 1/step]
6-509-021	Clamp Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-022	Width Align Motor 2	ENG	[0 or 1 / 0 / 1/step]
6-509-023	Roller Motor	ENG	[0 or 1 / 0 / 1/step]

6-509-024	Roller Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-025	Main Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-509-026	50/100 Adjustment Motor	ENG	[0 or 1 / 0 / 1/step]

Output Check: High Capacity Stacker SK5030 (D776)

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6601	[Stacker1 Output Check]		
6-601-001	Entrance Motor Fan 2	ENG	[0 or 1 / 0 / 1/step]
6-601-002	Proof Tray Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-003	Shift Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-004	Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-005	Shift JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-006	Proof Tray JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-007	Shift Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-008	Front Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-009	Rear Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-010	Jogger Fence Retraction Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-011	LE Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-012	Sub Jogger Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-013	Tray Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-601-014	Front Door Lock SOL	ENG	[0 or 1 / 0 / 1/step]
6-601-015	Fan 1	ENG	[0 or 1 / 0 / 1/step]
6-601-016	Tray Full LED	ENG	[0 or 1 / 0 / 1/step]
6-601-017	Jam LED	ENG	[0 or 1 / 0 / 1/step]
6-601-018	Jog In Progress LED	ENG	[0 or 1 / 0 / 1/step]
6-601-019	Tray Lift LED	ENG	[0 or 1 / 0 / 1/step]

6-601-020	Error LED	ENG	[0 or 1 / 0 / 1/step]
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Output Check: High Capacity Stacker SK5030 (D776)

6607	[Stacker2 Output Check]		
6-607-001	Entrance Motor Fan 2	ENG	[0 or 1 / 0 / 1/step]
6-607-002	Proof Tray Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-003	Shift Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-004	Transport Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-005	Shift JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-006	Proof Tray JG Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-007	Shift Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-008	Front Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-009	Rear Jogger Fence Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-010	Jogger Fence Retraction Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-011	LE Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-012	Sub Jogger Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-013	Tray Lift Motor	ENG	[0 or 1 / 0 / 1/step]
6-607-014	Front Door Lock SOL	ENG	[0 or 1 / 0 / 1/step]
6-607-015	Fan 1	ENG	[0 or 1 / 0 / 1/step]
6-607-016	Tray Full LED	ENG	[0 or 1 / 0 / 1/step]
6-607-017	Jam LED	ENG	[0 or 1 / 0 / 1/step]
6-607-018	Jog In Progress LED	ENG	[0 or 1 / 0 / 1/step]
6-607-019	Tray Lift LED	ENG	[0 or 1 / 0 / 1/step]
6-607-020	Error LED	ENG	[0 or 1 / 0 / 1/step]

Output Check: Trimmer Unit TR5040 (D520)

6651	[Output Check: Trimmer]		
6-651-001	Entrance Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-002	Exit Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-003	Press Roller Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-004	Cut Position Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-005	Press Stopper Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-006	Tray Motor	ENG	[0 or 1 / 0 / 1/step]
6-651-007	Trimming Blade Motor	ENG	[0 or 1 / 0 / 1/step]