



TASKalfa 6500i

TASKalfa 8000i

SERVICE

MANUAL

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CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

It may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for proper disposal.

ATTENTION

IL Y A UN RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UN MODÈLE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES UTILISÉES SELON LES INSTRUCTIONS DONNÉES.

Il peut être illégal de jeter les batteries dans des eaux d'égout municipales. Vérifiez avec les fonctionnaires municipaux de votre région pour les détails concernant des déchets solides et une mise au rebut appropriée.

Revision history

Revision	Date	Replaced pages	Remarks
1	June 2, 2011	Contents, 1-2-2 to 1-2-5, 1-2-7, 1-2-9, 1-2-10, 1-2-15, 1-2-17, 1-2-18, 1-2-22 to 1-2-27, 1-2-32 to 1-2-76, 1-3-2 to 1-3-7, 1-3-25, 1-3-29, 1-3-32, 1-3-34, 1-3-35, 1-3-38, 1-3-39, 1-3-42 to 1-3-44, 1-3-47 to 1-3-50, 1-3-52 to 1-3-54, 1-3-56, 1-3-67 to 1-3-71, 1-3-73 to 1-3-75, 1-3-81, 1-3-83, 1-3-84, 1-3-86, 1-3-88, 1-3-90, 1-3-94, 1-3-95, 1-3-102 to 1-3-104, 1-3-106, 1-3-112, 1-3-130, 1-3-133, 1-3-135, 1-3-139 to 1-3-142, 1-3-146, 1-3-148, 1-3-149, 1-3-155 to 1-3-158, 1-3-160, 1-3-161, 1-3-163, 1-3-166, 1-3-177, 1-3-178, 1-4-2, 1-4-3, 1-4-35 to 1-4-37, 1-4-46, 1-4-47, 1-4-73 to 1-4-75, 1-4-77, 1-4-79 to 1-4-87, 1-5-10, 1-5-23, 1-5-26 to 1-5-28, 1-5-30, 1-5-31, 1-5-34, 1-5-36, 1-5-41, 1-5-73, 1-5-74, 1-5-76, 1-5-82, 1-5-88, 2-1-30, 2-1-32, 2-1-33, 2-2-1, 2-2-3, 2-2-4, 2-2-6, 2-2-7, 2-2-9, 2-2-13, 2-3-18, 2-4-1, 2-4-2	-
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3	September 30, 2011	Contents, 1-2-33, 1-2-64, 1-2-76, 1-2-86, 1-2-101, 1-3-45, 1-3-149, 1-3-158, 1-4-35, 1-4-46, 1-4-50 to 1-4-52, 1-4-67, 1-4-71, 1-5-24, 1-5-36, 1-5-41, 1-5-42, 1-6-1 to 1-6-4, 2-1-24, 2-4-1 to 2-4-7	-
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5	February 4, 2014	Contents, 1-2-31, 1-2-34 to 38, 1-2-45 to 49, 1-2-58 to 1-2-61, 1-2-65, 1-3-2, 1-3-4 to 1-3-7, 1-3-14, 1-3-15, 1-3-18, 1-3-20, 1-3-22, 1-3-26, 1-3-28, 1-3-30, 1-3-32, 1-3-41, 1-3-42, 1-3-58, 1-3-63, 1-3-64, 1-3-74, 1-3-80, 1-3-82 to 1-3-84, 1-3-88, 1-3-89, 1-3-91, 1-3-95 to 1-3-97, 1-3-104, 1-3-120 to 1-3-122, 1-3-125, 1-2-127, 1-3-129, 1-3-131, 1-3-133, 1-3-157, 1-3-158, 1-3-161, 1-3-180 to 1-3-182, 1-4-2, 1-4-4, 1-4-22, 1-4-25 to 1-4-232, 1-4-250, 1-5-40, 1-5-51 to 1-5-54, 1-5-66, 1-5-74, 1-5-84, 1-5-87, 1-5-110, 1-5-111, 2-1-9, 2-1-10, 2-2-5, 2-2-6, 2-3-63, 2-4-2, 2-4-8 to 2-4-11, 2-4-13 to 2-4-15, 2-4-40	-

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Safety precautions

This booklet provides safety warnings and precautions for our service personnel to ensure the safety of their customers, their machines as well as themselves during maintenance activities. Service personnel are advised to read this booklet carefully to familiarize themselves with the warnings and precautions described here before engaging in maintenance activities.

Safety warnings and precautions

Various symbols are used to protect our service personnel and customers from physical danger and to prevent damage to their property. These symbols are described below:

⚠ DANGER: High risk of serious bodily injury or death may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

⚠ WARNING: Serious bodily injury or death may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

⚠ CAUTION: Bodily injury or damage to property may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

Symbols

The triangle (\triangle) symbol indicates a warning including danger and caution. The specific point of attention is shown inside the symbol.



General warning.



Warning of risk of electric shock.



Warning of high temperature.

⊘ indicates a prohibited action. The specific prohibition is shown inside the symbol.



General prohibited action.



Disassembly prohibited.

● indicates that action is required. The specific action required is shown inside the symbol.



General action required.





Remove the power plug from the wall outlet.











Always ground the copier.

1. Installation Precautions

WARNING











- Do not use a power supply with a voltage other than that specified. Avoid multiple connections to one outlet: they may cause fire or electric shock. When using an extension cable, always check that it is adequate for the rated current. 
- Connect the ground wire to a suitable grounding point. Not grounding the copier may cause fire or electric shock. Connecting the earth wire to an object not approved for the purpose may cause explosion or electric shock. Never connect the ground cable to any of the following: gas pipes, lightning rods, ground cables for telephone lines and water pipes or faucets not approved by the proper authorities. 

CAUTION:





- Do not place the copier on an infirm or angled surface: the copier may tip over, causing injury. 
- Do not install the copier in a humid or dusty place. This may cause fire or electric shock. 
- Do not install the copier near a radiator, heater, other heat source or near flammable material. This may cause fire. 
- Allow sufficient space around the copier to allow the ventilation grills to keep the machine as cool as possible. Insufficient ventilation may cause heat buildup and poor copying performance. 
- Always handle the machine by the correct locations when moving it. 
- Always use anti-toppling and locking devices on copiers so equipped. Failure to do this may cause the copier to move unexpectedly or topple, leading to injury. 
- Avoid inhaling toner or developer excessively. Protect the eyes. If toner or developer is accidentally ingested, drink a lot of water to dilute it in the stomach and obtain medical attention immediately. If it gets into the eyes, rinse immediately with copious amounts of water and obtain medical attention. 
- Advise customers that they must always follow the safety warnings and precautions in the copier's instruction handbook. 












2. Precautions for Maintenance

WARNING

- Always remove the power plug from the wall outlet before starting machine disassembly. 
- Always follow the procedures for maintenance described in the service manual and other related brochures. 
- Under no circumstances attempt to bypass or disable safety features including safety mechanisms and protective circuits. 
- Always use parts having the correct specifications. 
- Always use the thermostat or thermal fuse specified in the service manual or other related brochure when replacing them. Using a piece of wire, for example, could lead to fire or other serious accident. 
- When the service manual or other serious brochure specifies a distance or gap for installation of a part, always use the correct scale and measure carefully. 
- Always check that the copier is correctly connected to an outlet with a ground connection. 
- Check that the power cable covering is free of damage. Check that the power plug is dust-free. If it is dirty, clean it to remove the risk of fire or electric shock. 
- Never attempt to disassemble the optical unit in machines using lasers. Leaking laser light may damage eyesight. 
- Handle the charger sections with care. They are charged to high potentials and may cause electric shock if handled improperly. 



CAUTION

- Wear safe clothing. If wearing loose clothing or accessories such as ties, make sure they are safely secured so they will not be caught in rotating sections. 
- Use utmost caution when working on a powered machine. Keep away from chains and belts. 
- Handle the fixing section with care to avoid burns as it can be extremely hot. 
- Check that the fixing unit thermistor, heat and press rollers are clean. Dirt on them can cause abnormally high temperatures. 

- Do not remove the ozone filter, if any, from the copier except for routine replacement. 
- Do not pull on the AC power cord or connector wires on high-voltage components when removing them; always hold the plug itself. 
- Do not route the power cable where it may be stood on or trapped. If necessary, protect it with a cable cover or other appropriate item. 
- Treat the ends of the wire carefully when installing a new charger wire to avoid electric leaks. 
- Remove toner completely from electronic components. 
- Run wire harnesses carefully so that wires will not be trapped or damaged. 
- After maintenance, always check that all the parts, screws, connectors and wires that were removed, have been refitted correctly. Special attention should be paid to any forgotten connector, trapped wire and missing screws. 
- Check that all the caution labels that should be present on the machine according to the instruction handbook are clean and not peeling. Replace with new ones if necessary. 
- Handle greases and solvents with care by following the instructions below: 
 - Use only a small amount of solvent at a time, being careful not to spill. Wipe spills off completely.
 - Ventilate the room well while using grease or solvents.
 - Allow applied solvents to evaporate completely before refitting the covers or turning the power switch on.
 - Always wash hands afterwards.
- Never dispose of toner or toner bottles in fire. Toner may cause sparks when exposed directly to fire in a furnace, etc. 
- Should smoke be seen coming from the copier, remove the power plug from the wall outlet immediately. 

3. Miscellaneous

WARNING

- Never attempt to heat the drum or expose it to any organic solvents such as alcohol, other than the specified refiner; it may generate toxic gas. 
- Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur. 

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INSTALLATION GUIDE

SIDE DECK

SIDE MULTI TRAY

4000-SHEETS FINISHER

CENTER-FOLDING UNIT

MAILBOX

PUNCH UNIT

FAX SYSTEM

BANNER GUIDE

1-1-1 Specifications

Machine

Item	Specifications		
	65 ppm	80 ppm	
Type	Console		
Printing method	Electrophotography by semiconductor laser		
Originals	Sheet, Book, 3-dimensional objects (maximum original size: A3/Ledger)		
Original feed system	Fixed		
Paper weight	Cassette	60 to 256 g/m ²	
	MP tray	60 to 300 g/m ²	
Paper type	Cassette 1, 2	Plain, Rough, Vellum, Recycled, Preprinted, Bond, Color (Colour), Prepunched, Letterhead, Thick, High Quality, Custom 1 to 8 (Duplex: Same as simplex)	
	Cassette 3, 4	Plain, Recycled, Thick	
	MP tray	Plain, Transparency (OHP film), Rough, Vellum, Labels, Recycled, Preprinted, Bond, Cardstock, Color (Colour), Prepunched, Letterhead, Thick, Coated, Envelope, High Quality, Custom 1 to 8	
Paper size	Cassette 1, 2	A3, B4, A4, A4R, B5, B5R, A5R, Ledger, Legal, Letter, LetterR, StatementR, Oficio II, 12 × 18", Folio, 8K, 16K, 16KR	
	Cassette 3, 4	A4, B5, Letter	
	MP tray	A3, B4, A4, A4R, B5, ISO B5, B5R, A5R, B6R, A6R, Return postcard, Postcards, Envelope DL, Envelope C5, Envelope C4, Envelope #10 (Commercial #10), Envelope #9 (Commercial #9), Envelope #6 (Commercial #6 3/4), Envelope Monarch, Youkei 2, Youkei 4, Ledger, Legal, Letter, LetterR, Executive, StatementR, Oficio II, 12 × 18", Folio, 8K, 16K, 16KR, Custom	
Zoom level	Manual mode : 25 to 400%, 1% increments Auto mode : Preset Zoom		
Copying speed	A4 : 65 ppm Letter : 65 ppm A4R : 45 ppm LetterR : 45 ppm A3 : 32 ppm Ledger : 32 ppm B4 : 39 ppm Legal : 39 ppm B5 : 65 ppm	A4 : 80 ppm Letter : 80 ppm A4R : 56 ppm LetterR : 56 ppm A3 : 40 ppm Ledger : 40 ppm B4 : 48 ppm Legal : 48 ppm B5 : 80 ppm	
First print time (A4, feed from cassette)	5.2 s or less	4.7 s or less	
Warm-up time (22 °C/71.6 °F, 60% RH)	Power on	30 s or less	30 s or less
	Low Power	20 s or less	20 s or less
	Sleep	30 s or less	30 s or less

Item		Specifications	
		65 ppm	80 ppm
Paper capacity	Cassette 1, 2	550 sheets (64 g/m ²) 500 sheets (80 g/m ²)	
	Cassette 3, 4	1750 sheets (64 g/m ²) 1500 sheets (80 g/m ²)	
	MP tray	A4/Letter or less 165 sheets (64 g/m ²) 150 sheets (80 g/m ²) More than A4/Letter 55 sheets (64 g/m ²) 50 sheets (80 g/m ²)	
Output tray capacity	Lower left tray	275 sheets (64 g/m ²) 250 sheets (80 g/m ²)	
	Upper left tray	110 sheets (64 g/m ²) 100 sheets (80 g/m ²)	
	Right tray	70 sheets (64 g/m ²) 70 sheets (80 g/m ²)	
Continuous copying		1 to 999 sheets	
Light source		LED	
Scanning system		Flat bed scanning by CCD image sensor	
Photoconductor		a-Si (drum diameter 40 mm)	
Image write system		Semiconductor laser	
Charging system		Charger roller	
Developing system		Touch down developing system Developer: 2-component Toner replenishing: Automatic from the toner container and toner hopper	
Transfer system		Transfer belt and roller	
Separation system		Small diameter separation	
Cleaning system		Counter blade, Cleaning roller	
Charge erasing system		Exposure by cleaning lamp (LED)	
Fusing system		Belt fusing Heat source: IH (belt), Halogen heater (press roller) Abnormally high temperature protection devices: thermostat	
CPU		PowerPC 750CL/800 MHz	
Main memory	Standard	2048 MB	
	Maximum	2048 MB	
Hard Disk		160 GB or more (standard)	
Interface	Standard	USB Interface connector: 1 (Hi-Speed USB) USB port: 2 (Hi-Speed USB) Network interface: 1 (10 BASE-T/100 BASE-TX/1000 BASE-T)	
	Option	Fax slot: 2 Network interface: 1 (10 BASE-T/100 BASE-TX/1000 BASE-T)	
Resolution		600 × 600 dpi	

Item		Specifications	
		65 ppm	80 ppm
Operating environment	Temperature	10 to 32.5 °C/50 to 90.5 °F	
	Humidity	15 to 80% RH	
	Altitude	2,500 m/8,202 ft or less	
	Brightness	1,500 lux or less	
Dimensions (W × D × H)	machine only	1039 × 723 × 1347 mm 40 7/8 × 28 7/16 × 53 1/16"	
Space required (W × D)		1039 × 723 mm (using MP tray) 40 7/8 × 28 7/16" (using MP tray)	
Weight		155 kg / 341.7 lb	
Power source		120 V AC, 60 Hz, 5.0 A + 12.0 A (IH) 220 - 240 V AC, 50/60 Hz, 9.5 A	
Options		Side deck, Side multi tray, Side paper feeder, Side large capacity feeder, 4000-sheet finisher, Center-folding unit, Mailbox, Punch unit, Key counter, Fax kit, Expansion memory, Internet fax kit (A), Data security kit, Printed document guard kit, Emulation option kit, Gigabit ethernet board, IC card reader holder, Keyboard holder and Duct unit	

Printer

Item	Specifications
Printing speed	Same as copying speed.
Resolution	600 x 600 dpi
Operating system	Windows XP, Windows Server 2003, Windows Vista, Windows 7, Windows Server 2008, Apple Macintosh OS 10.x
Interface	USB interface connector: 1 (Hi-speed USB) Network interface: 1 (10BASE-T/100BASE-TX/1000BASE-T)
Page description language	PRESCRIBE

Scanner

Item		Specifications
System requirements		CPU: 600 MHz or higher RAM: 128 MB or more
Resolution		600 dpi, 400 dpi, 300 dpi, 200 dpi, 200 ×100 dpi, 200 × 400 dpi
File format		TIFF, JPEG, XPS, PDF (MMR/JPEG compression), PDF (high compression)
Scanning speed (A4 landscape, 300 dpi, Image quality: Text/Photo orig- inal)	Simplex	B/W : 100 images/min Color: 70 images/min
	Duplex	B/W : 160 images/min Color: 100 images/min
Interface		Ethernet (10 BASE-T/100 BASE-TX/1000 BASE-T)
Network protocol		TCP/IP
Transmission system		PC transmission SMB Scan to SMB FTP Scan to FTP, FTP over SSL E-mail transmission SNTP Scan to E-mail TWAIN scan*1 WIA scan*2

*1 Available operating system: Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7

*2 Available operating system: Windows Vista, Windows 7, Windows Server 2008

Document processor

Item	Specifications
Original feed method	Automatic feed
Supported original types	Sheet originals
Original sizes	Maximum: A3/Ledger Minimum : A5R/StatementR
Original weights	Simplex: 35 to 220 g/m ² Duplex : 50 to 220 g/m ²
Loading capacity	270 sheets (50 to 80 g/m ²) or less Mixed original sizes (auto selection) 30 sheets (50 to 80 g/m ²) maximum

NOTE: These specifications are subject to change without notice.

1-1-2 Parts names

(1) Machine

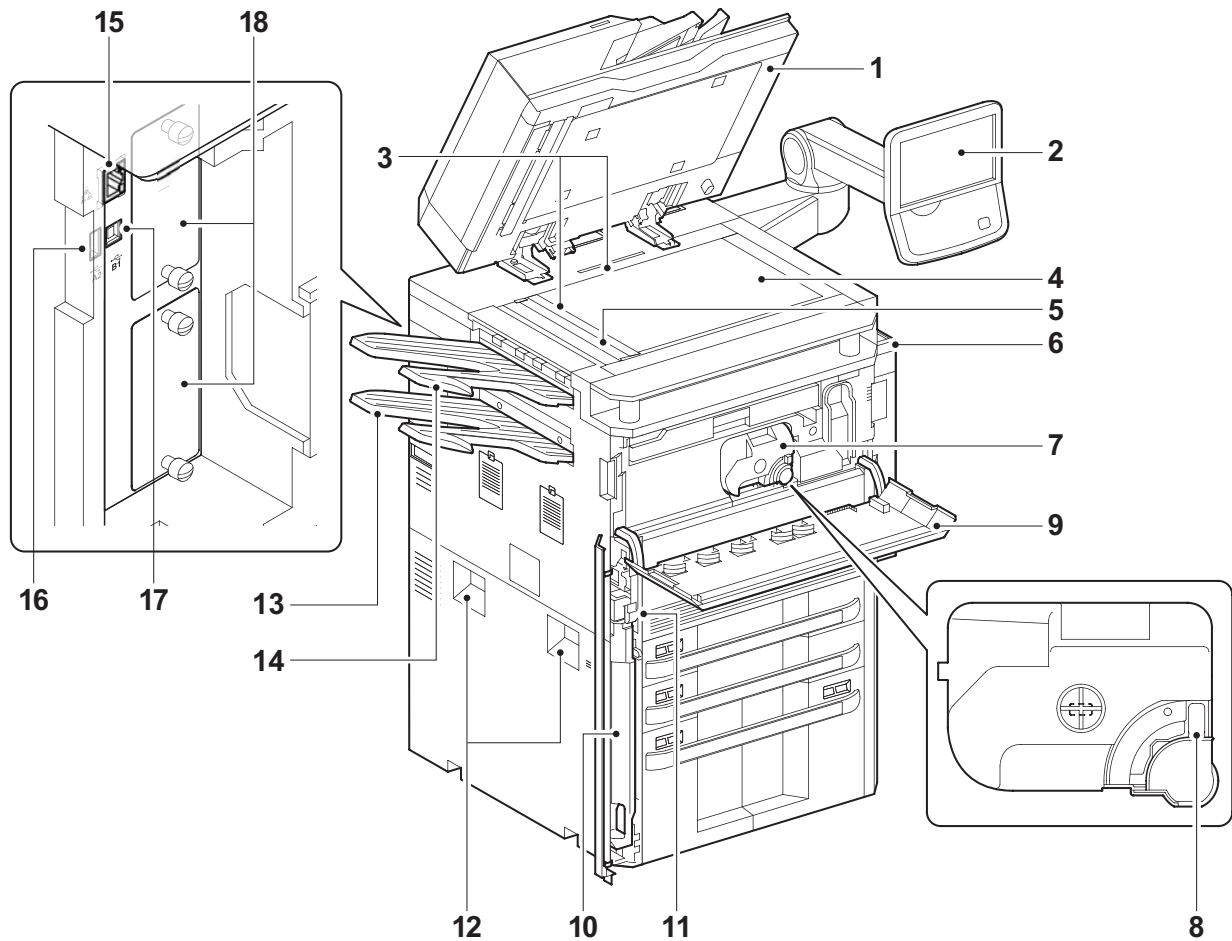


Figure 1-1-1

- | | |
|----------------------------------|---------------------------------|
| 1. Document processor | 10. Waste toner box |
| 2. Operation panel | 11. Release button |
| 3. Original size indicator plate | 12. Handles |
| 4. Platen (Contact glass) | 13. Left lower tray |
| 5. Slit glass | 14. Left upper tray |
| 6. Clip holder | 15. Network interface connector |
| 7. Toner container | 16. USB port |
| 8. Toner container release lever | 17. USB interface connector |
| 9. Front upper cover | 18. Option interface |

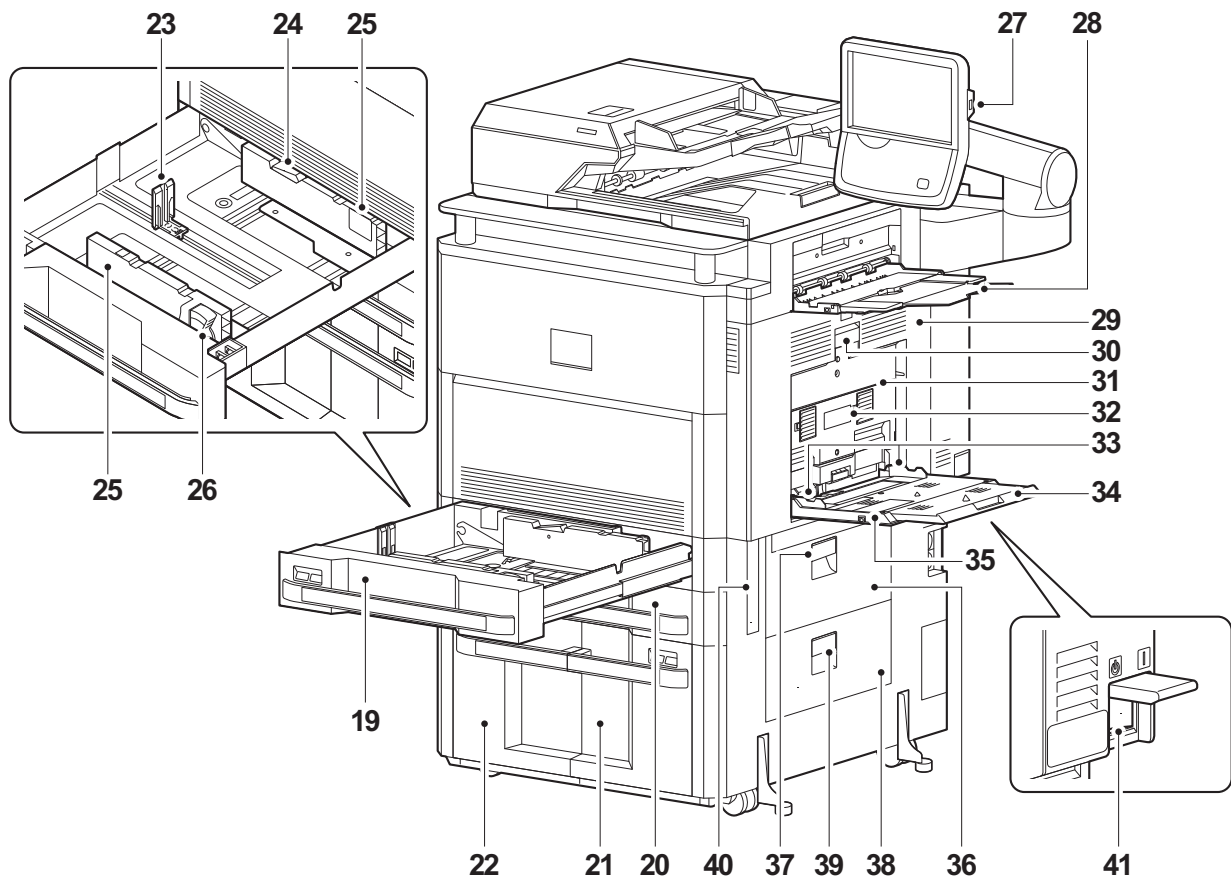


Figure 1-1-2

- | | |
|--------------------------------|------------------------------------|
| 19. Cassette 1 | 31. Duplex cover |
| 20. Cassette 2 | 32. Duplex cover lever |
| 21. Cassette 3 | 33. MP paper width guides |
| 22. Cassette 4 | 34. MP support Tray |
| 23. Paper length guide | 35. MP (Multi-Purpose) tray |
| 24. Guide lock lever | 36. Paper conveying cover |
| 25. Paper width guides | 37. Paper conveying cover lever |
| 26. Paper width adjusting tab | 38. PF paper conveying cover |
| 27. USB port | 39. PF paper conveying cover lever |
| 28. Right tray | 40. Handle |
| 29. Paper conveying unit | 41. Main power switch |
| 30. Paper conveying unit lever | |

(2) Option

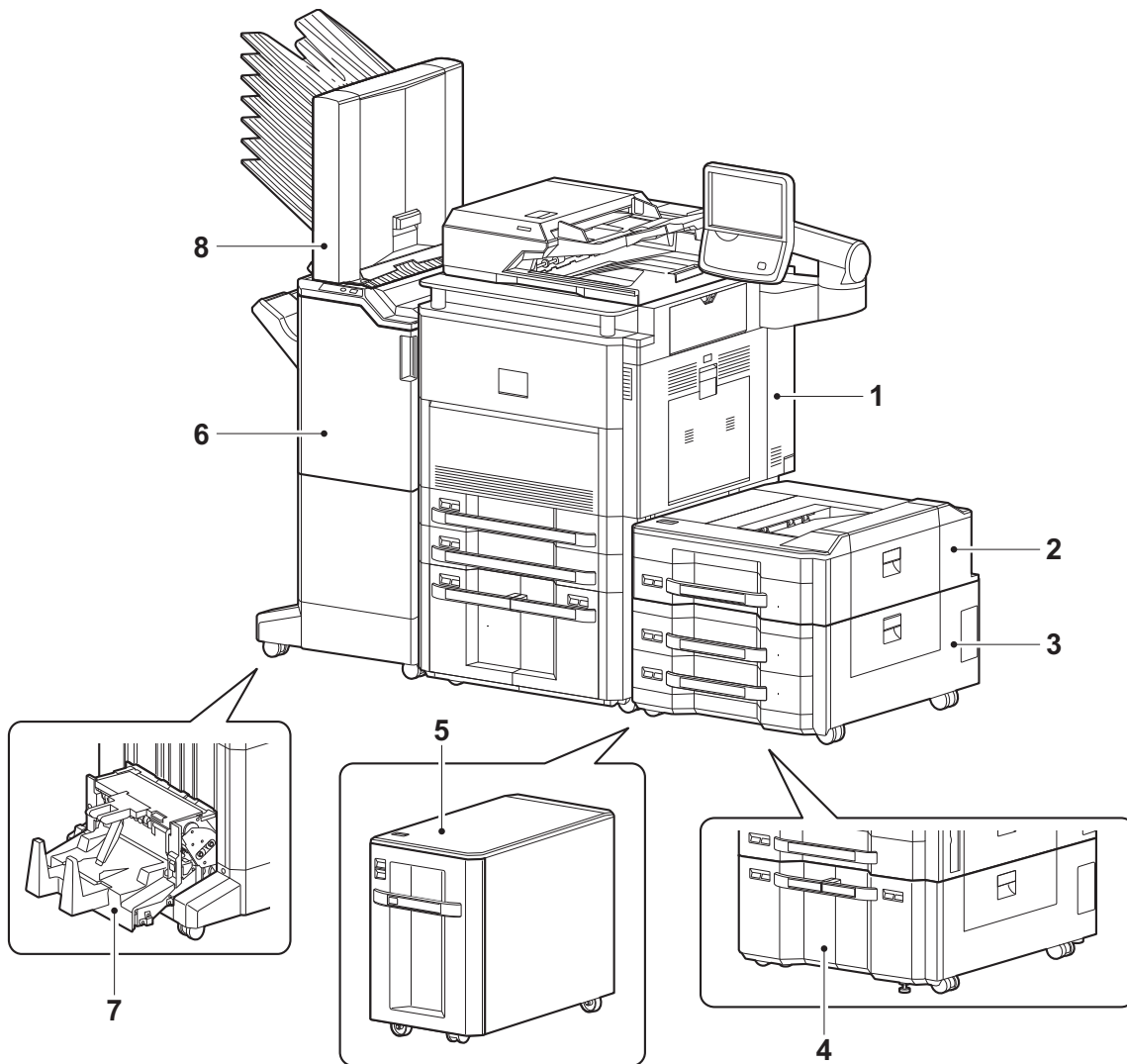
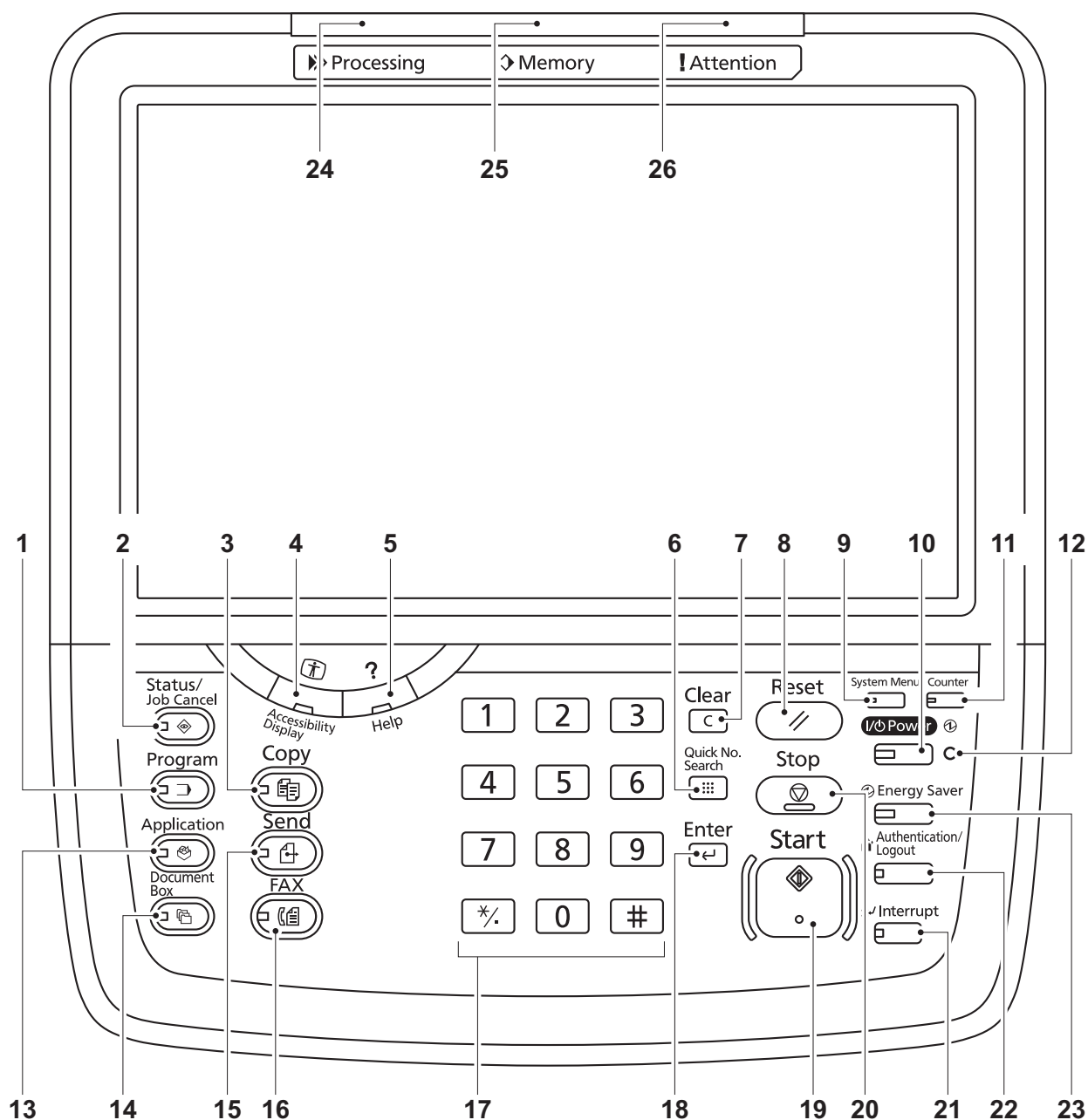


Figure 1-1-3

- | | |
|-------------------------------|------------------------|
| 1. Machine | 5. Side deck |
| 2. Side multi tray | 6. 4000-sheet finisher |
| 3. Side paper feeder | 7. Center-folding unit |
| 4. Side large capacity feeder | 8. Mailbox |

(3) Operation panel**Figure 1-1-4**

- | | | |
|------------------------------|--------------------------|-------------------------------|
| 1. Program key | 10. Power key | 19. Start key |
| 2. Status/Job cancel key | 11. Counter key | 20. Stop key |
| 3. Copy key | 12. Main power indicator | 21. Interrupt key |
| 4. Accessibility display key | 13. Application key | 22. Authentication/Logout key |
| 5. Help key | 14. Document box key | 23. Energy saver key |
| 6. Quick no. search key | 15. Send key | 24. Processing indicator |
| 7. Clear key | 16. FAX key* | 25. Memory indicator |
| 8. Reset key | 17. Numeric keys | 26. Attention indicator |
| 9. System menu key | 18. Enter key | |

*: Option

1-1-3 Machine cross section

(1) Machine

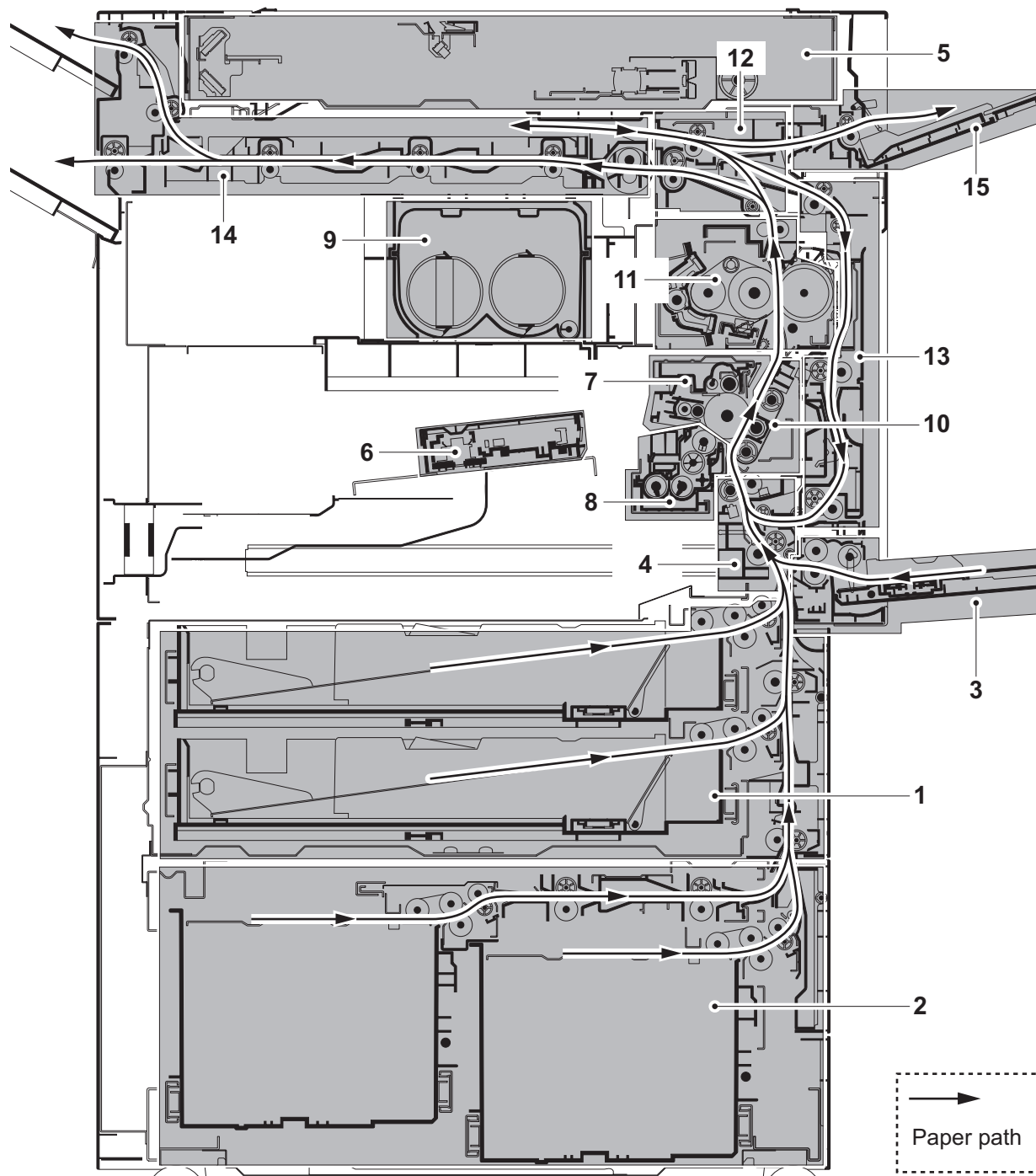
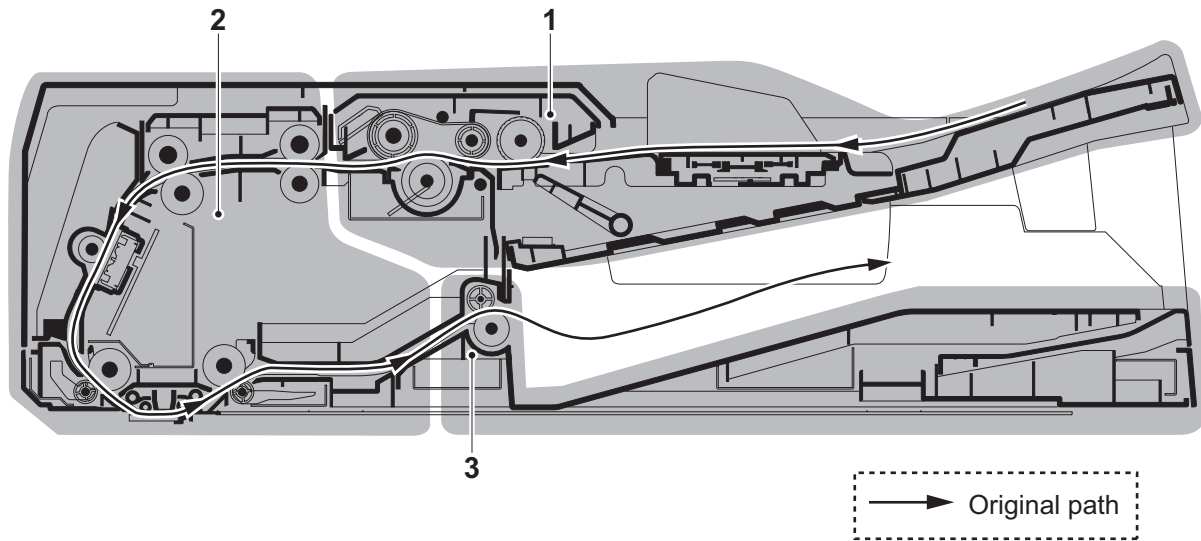


Figure 1-1-5

- | | | |
|--|----------------------------------|---------------------------------------|
| 1. Paper feed section
(cassette 1, 2) | 5. Optical section | 11. Fuser section |
| 2. Paper feed section
(cassette 3, 4) | 6. Laser scanner unit | 12. Feed shift/Switchback
sections |
| 3. MP tray paper feed section | 7. Drum unit | 13. Duplex section |
| 4. Paper conveying section | 8. Developer unit | 14. Bridge section |
| | 9. Toner container section | 15. Job separator section |
| | 10. Transfer/Separation sections | |

(2) Document processor**Figure 1-1-6**

1. Original feed section
2. Original conveying section
3. Original eject section

1-2-1 Installation environment

1. Temperature: 10 to 32.5°C/50 to 90.5°F
2. Humidity: 15 to 80% RH
3. Power supply: 120 V AC, 12.0 A
220 - 240 V AC, 7.2 A
4. Power source frequency: 50 Hz \pm 2%/60 Hz \pm 2%
5. Installation location

Avoid direct sunlight or bright lighting. Ensure that the photoconductor will not be exposed to direct sunlight or other strong light when removing paper jams.

Avoid locations subject to high temperature and high humidity or low temperature and low humidity; an abrupt change in the environmental temperature; and cool or hot, direct air.

Avoid places subject to dust and vibrations.

Choose a surface capable of supporting the weight of the machine.

Place the machine on a level surface (maximum allowance inclination: 1°).

Avoid air-borne substances that may adversely affect the machine or degrade the photoconductor, such as mercury, acidic or alkaline vapors, inorganic gasses, NO_x, SO_x gases and chlorine-based organic solvents.

Select a well-ventilated location.

6. Allow sufficient access for proper operation and maintenance of the machine.

Machine front : 100 cm/39 3/8"

Machine rear : 10 cm/ 3 15/16"

Machine right : 35 cm/13 3/4"

Machine left : 30 cm/11 13/16"

Machine top : 40 cm/15 3/4"

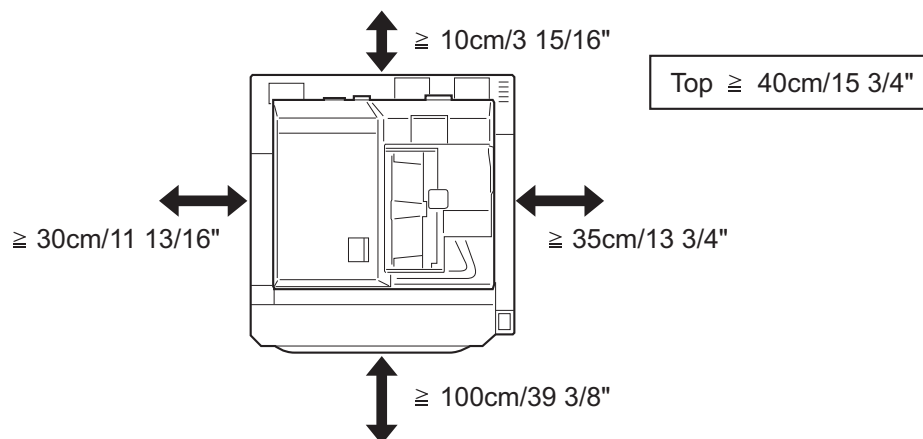
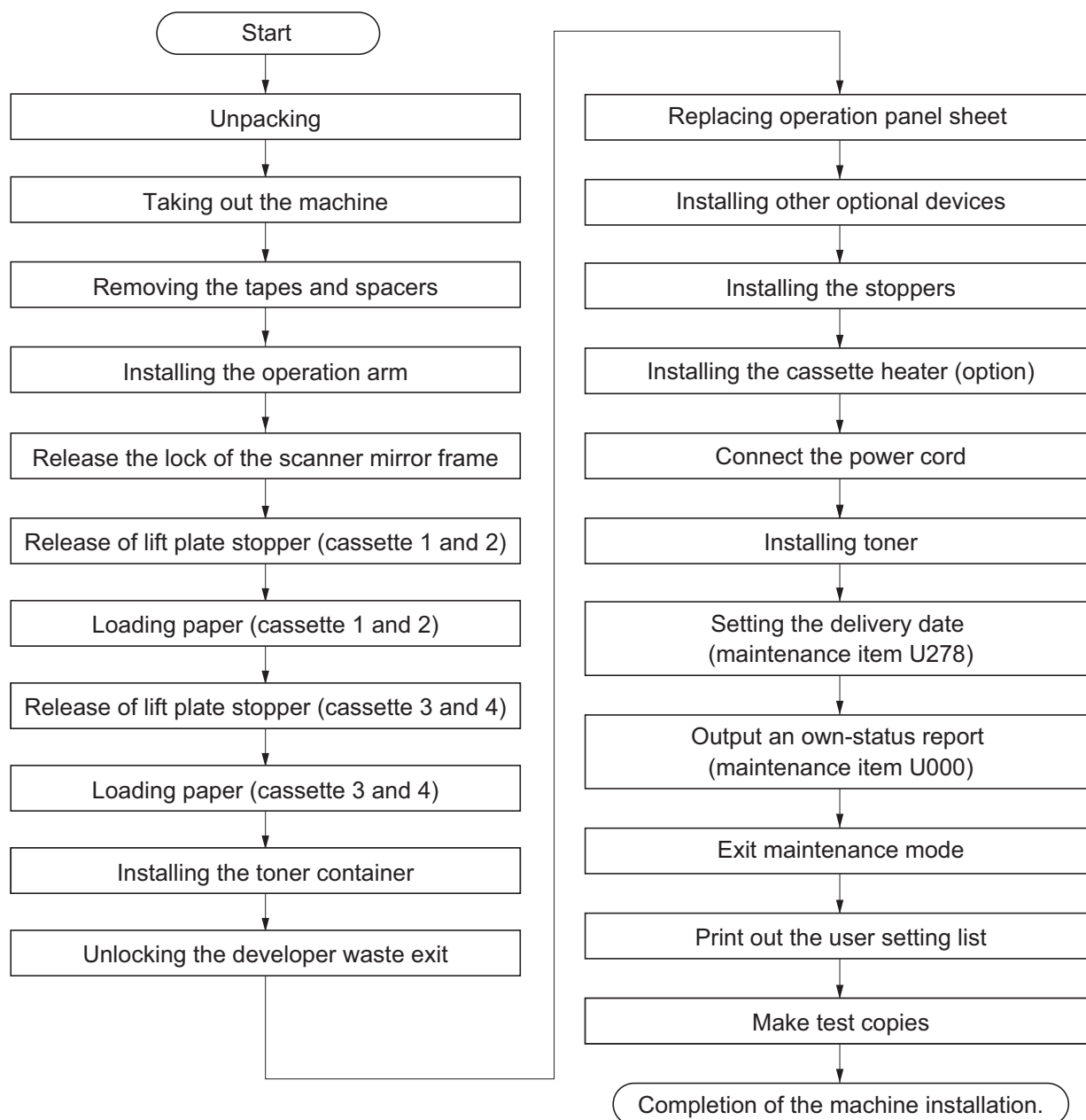


Figure 1-2-1

1-2-2 Unpacking and installation

(1) Installation procedure



Moving the machine

When moving the machine, pull out the carrying handle, and move with the carrying handle and three handholds.

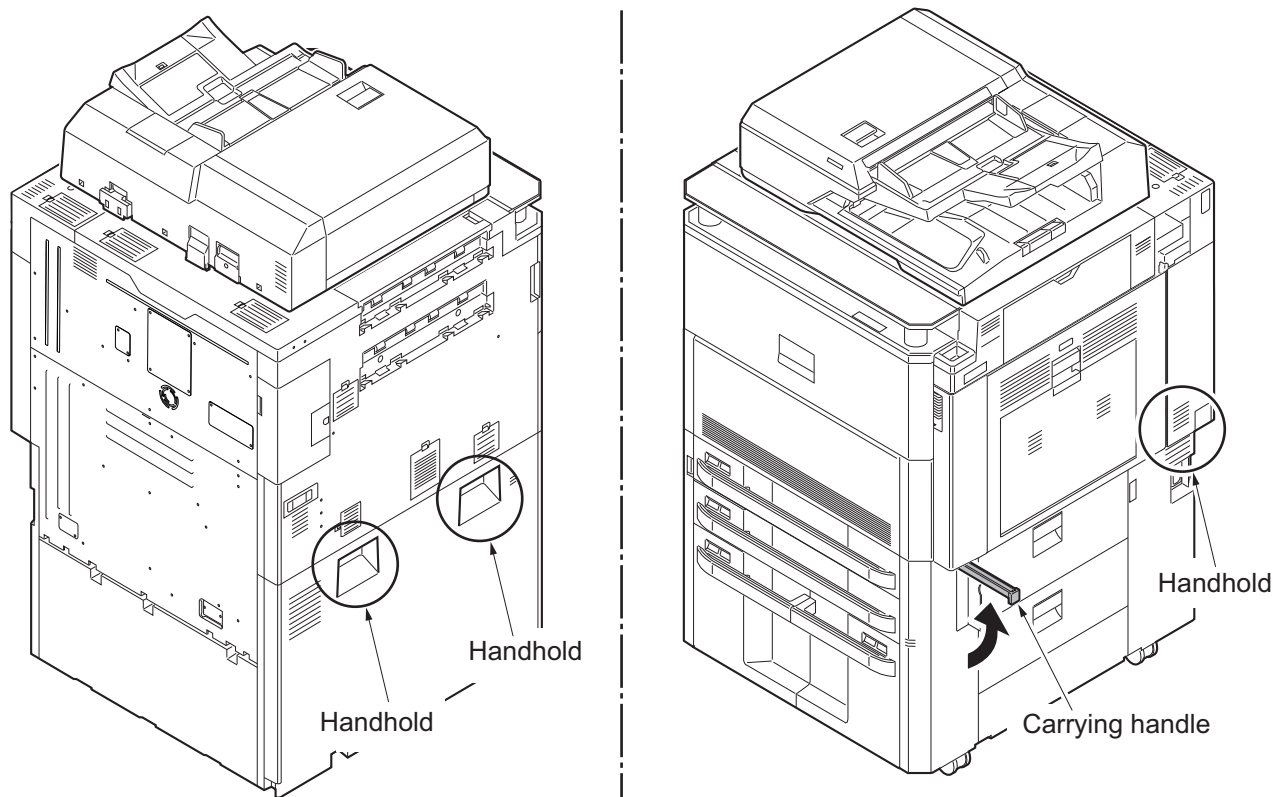


Figure 1-2-2

Unpacking

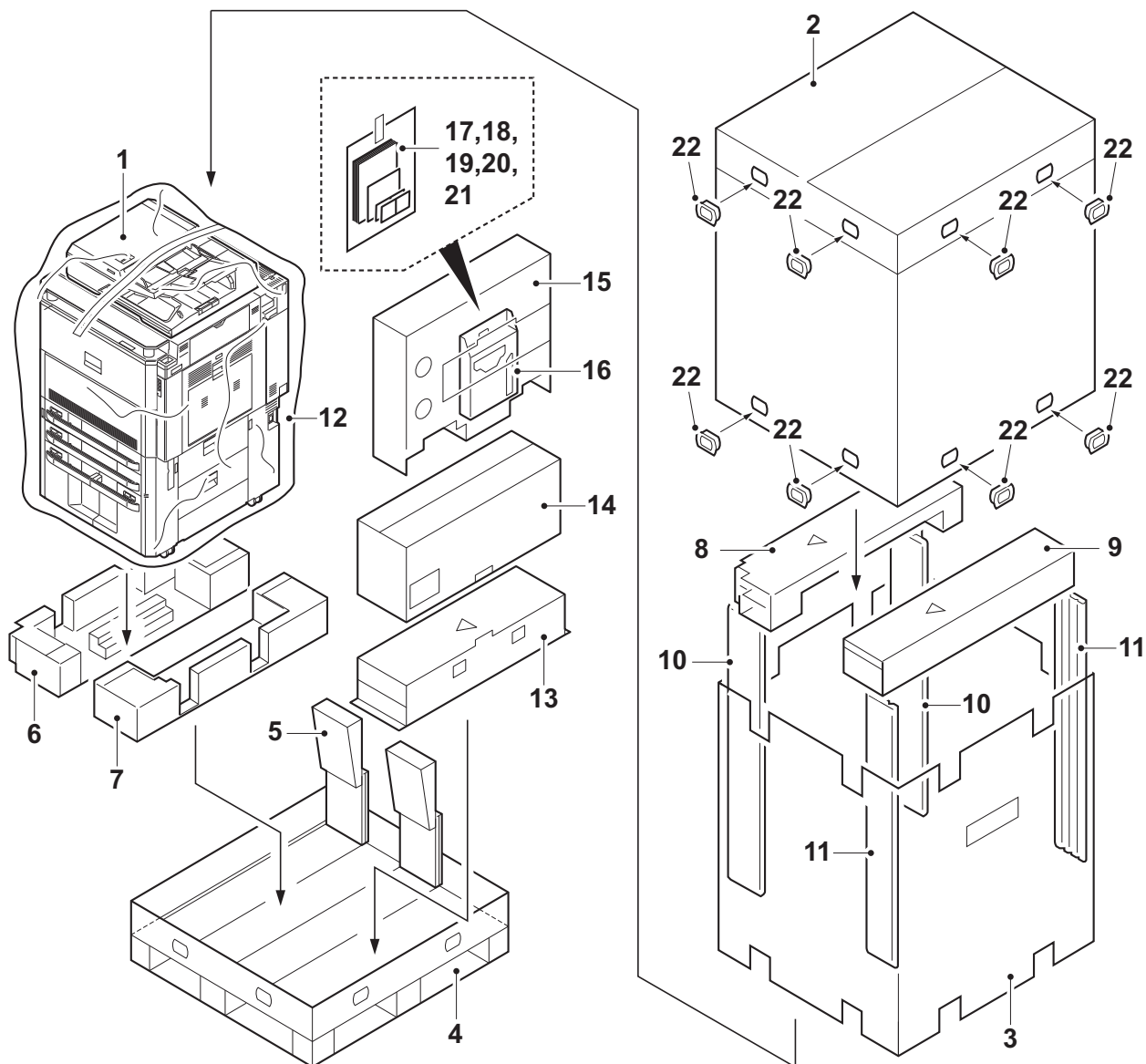


Figure 1-2-3

- | | |
|---------------------|----------------------------|
| 1. Machine | 12. Machine cover |
| 2. Outer case | 13. Bottom spacer |
| 3. Inner case | 14. Operation arm |
| 4. Skid | 15. Top spacer |
| 5. Slopes | 16. Document tray |
| 6. Bottom left pad | 17. Plastic bag |
| 7. Bottom right pad | 18. Paper size plates |
| 8. Top left pad | 19. Paper media plates |
| 9. Top right pad | 20. Operation panel sheets |
| 10. Left stays | 21. Operation guide etc. |
| 11. Right stays | 22. Hinge joints |

Place the machine on a level surface.

Operation arm

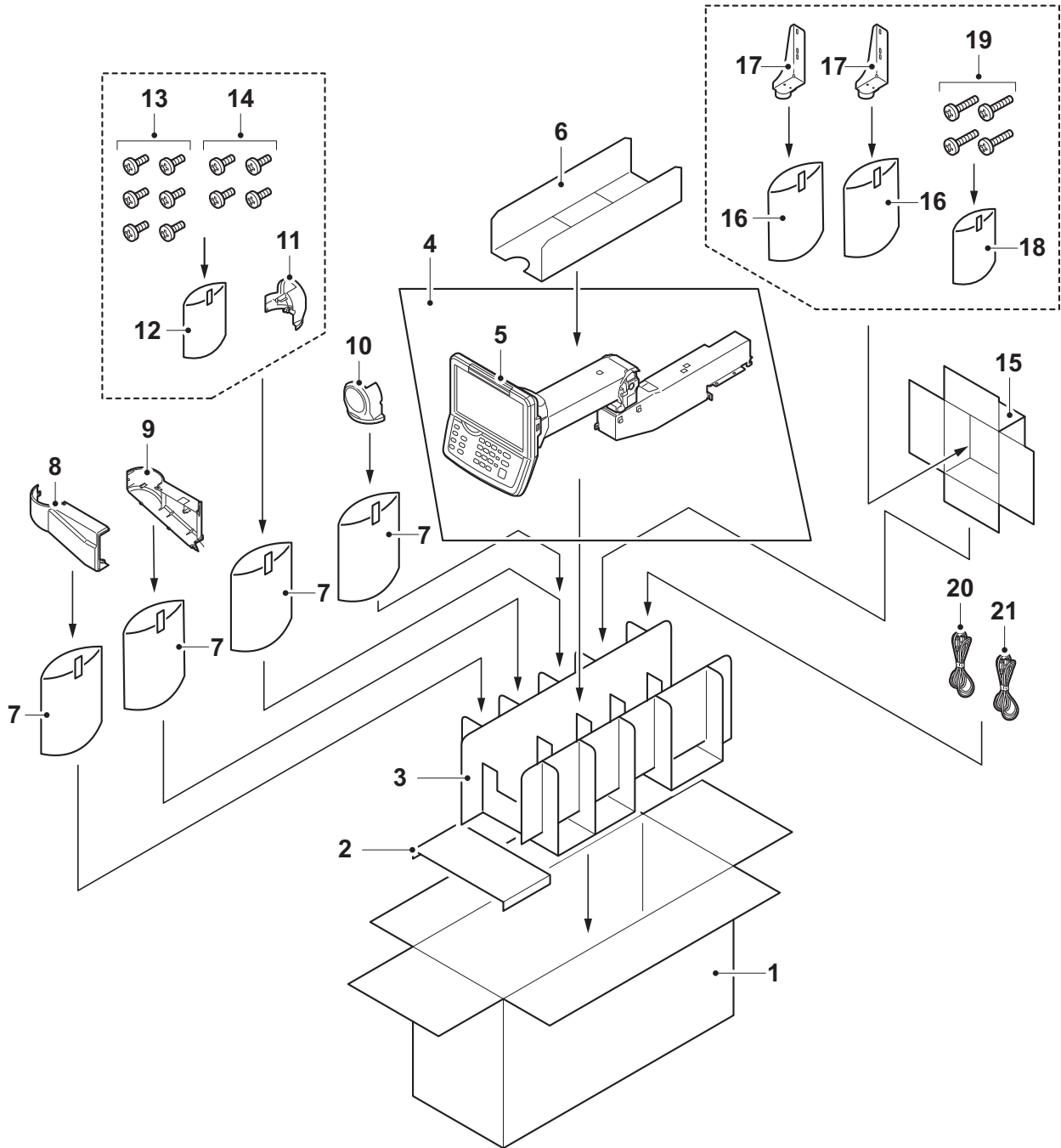


Figure 1-2-4

- | | | |
|---------------------------|----------------------------|-----------------------------|
| 1. Arm outer case | 8. Operation mount cover A | 15. Stopper case |
| 2. Arm bottom spacer | 9. Operation mount cover B | 16. Plastic bags |
| 3. Arm main pad | 10. Arm hinge cover A | 17. Stoppers |
| 4. Plastic sheet | 11. Arm hinge cover B | 18. Plastic bag |
| 5. Operation arm assembly | 12. Plastic bag | 19. M4 x 20 screws (black) |
| 6. Arm top spacer | 13. M4 x 8 screws | 20. Power cord |
| 7. Plastic bags | 14. M4 x 8 screws (black) | 21. Power cord (120 V only) |

Taking out the machine

*: When taking out the machine, a space for machine rear requires approximately 2 m.

1. Remove the hinge joints, and then remove the outer case, the inner case, the top left/right pads, the left/right stays, the upper spacer, the operation arm and the bottom spacer.
2. Cut four tapes of the skid each corner.
3. Cut each tape which locks the slopes and the bottom left/right pads.

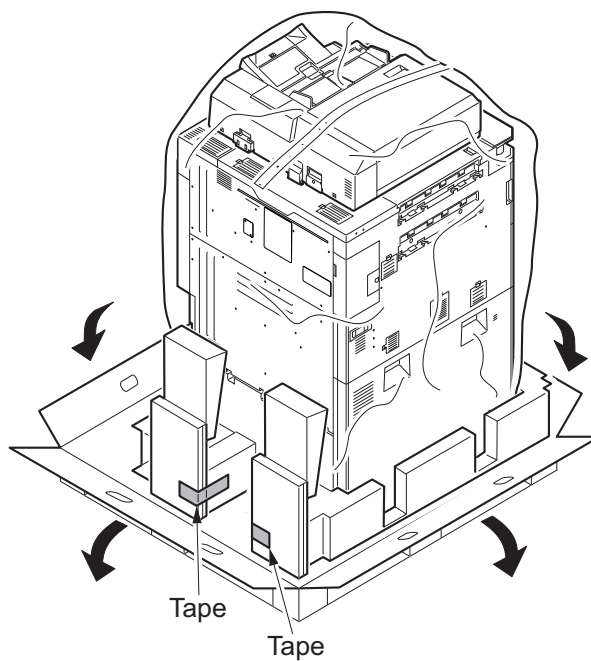


Figure 1-2-5

4. Rotate slopes as shown in the figure and make them for machine sliding.

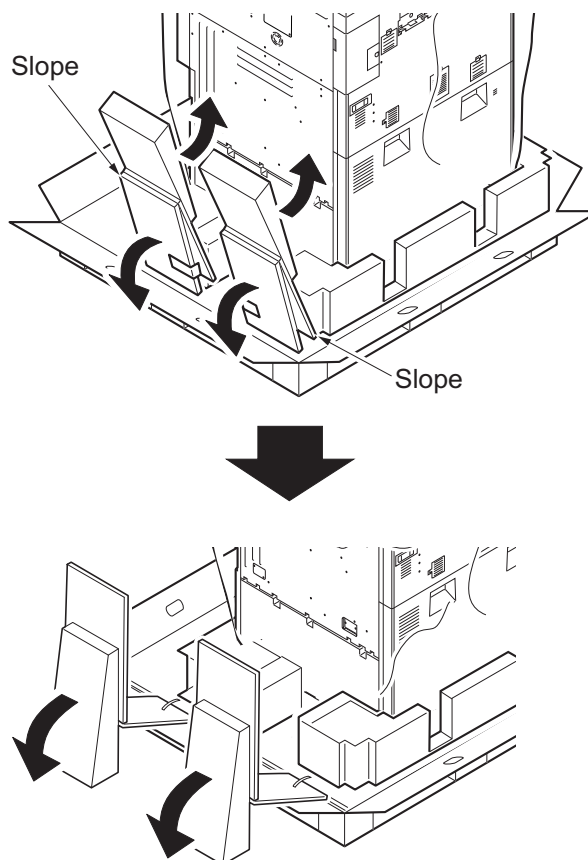
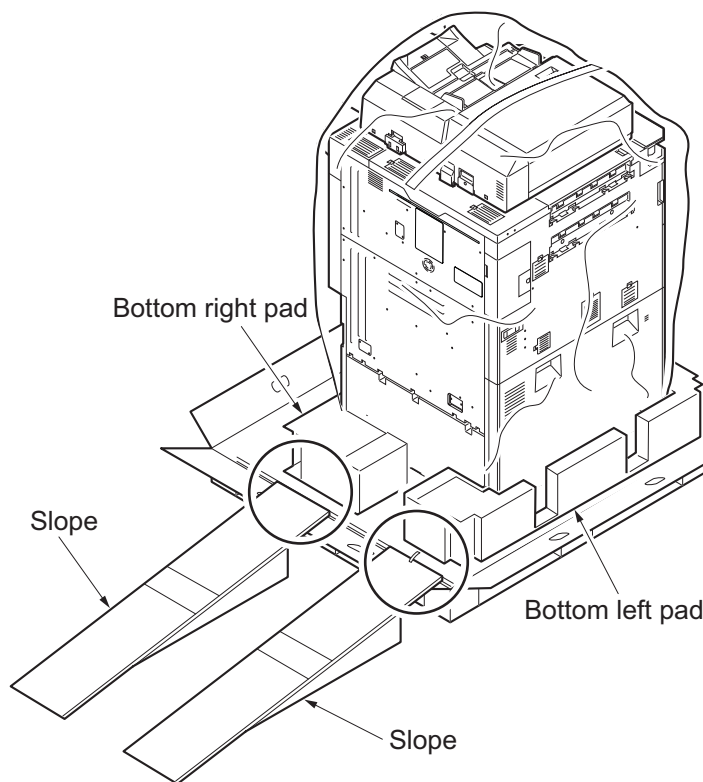
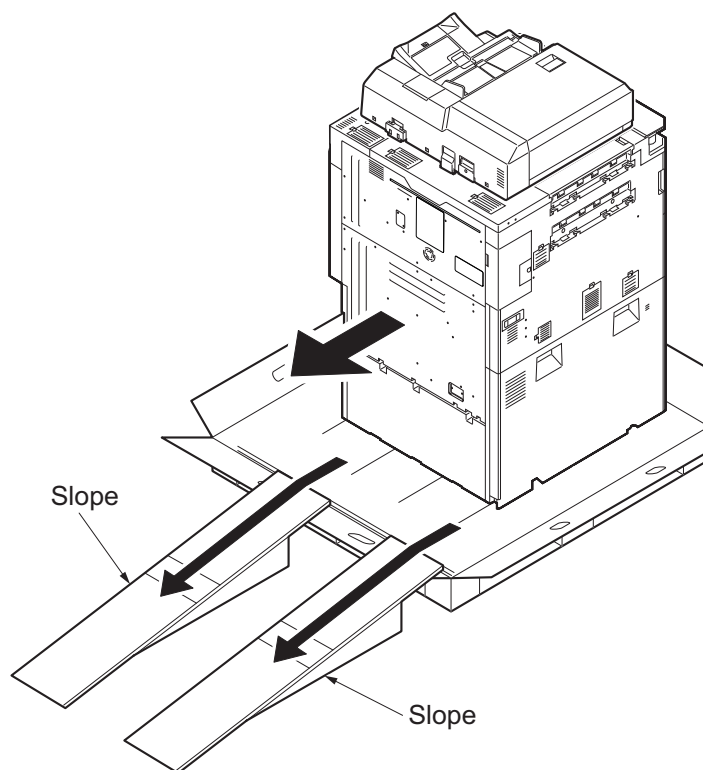


Figure 1-2-6

5. Check that there is no level difference in slopes (circle section of figure 1-2-7).
6. Open the machine cover.
7. Lift the machine each left and right one side, and then remove the bottom left and right pads and machine cover.

**Figure 1-2-7**

8. Move the machine alongside slopes to slide to the floor.

**Figure 1-2-8**

Removing the tapes and spacers

1. Remove five tapes and then remove the sheet.

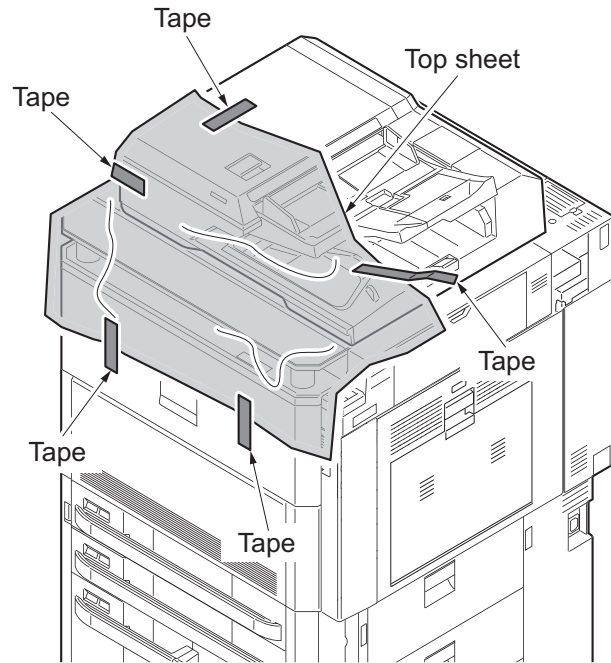


Figure 1-2-9

2. Remove five tapes.

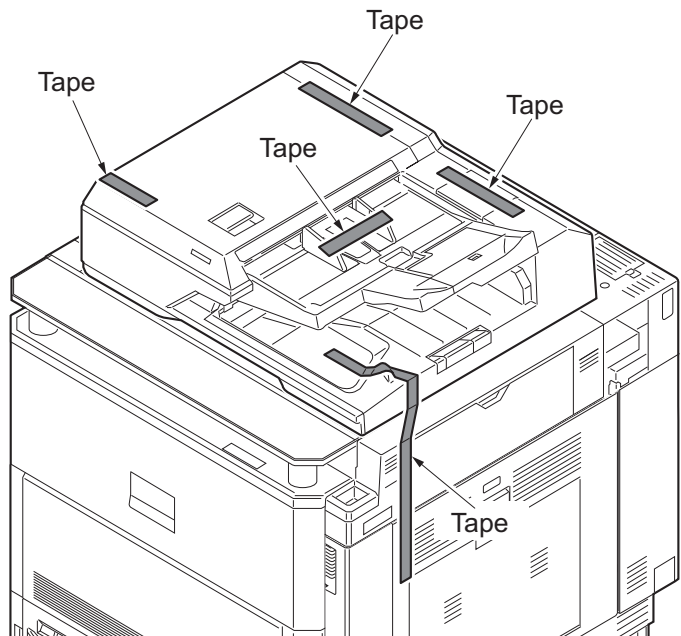


Figure 1-2-10

3. Open the original width guides and then remove the spacer.

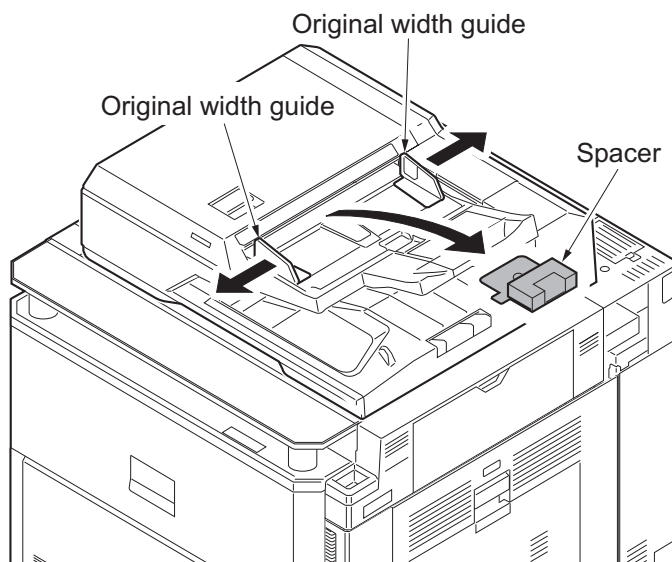


Figure 1-2-11

4. Remove fourteen tapes, silica gel and sheet.

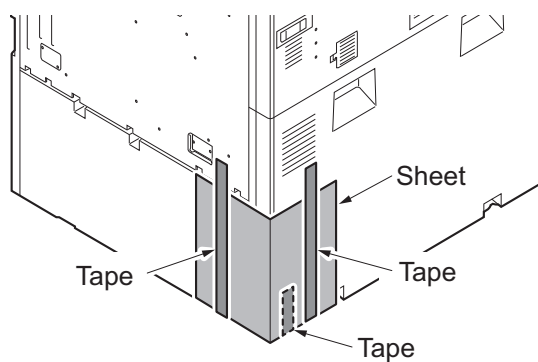
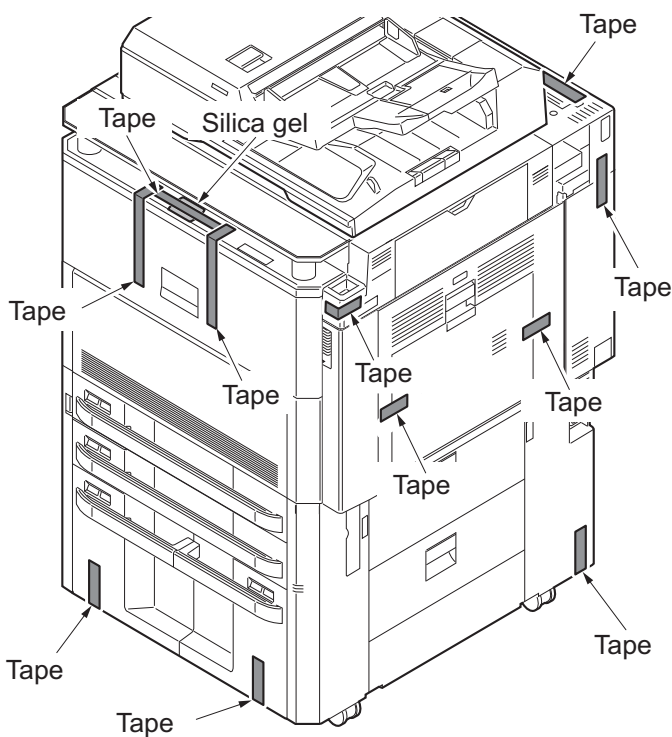


Figure 1-2-12

5. Remove six tapes and then remove three protect sheets.

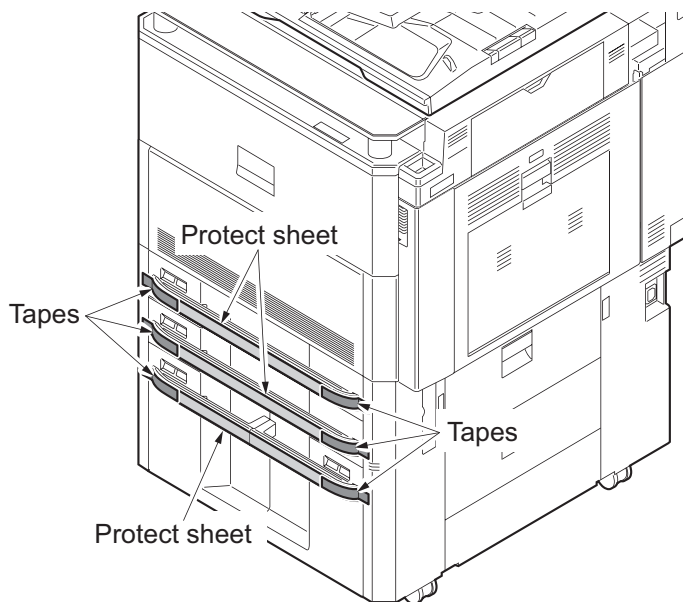


Figure 1-2-13

6. Open the DP.
7. Remove four tapes and then remove the sheet.
8. Remove the tape and then remove two A3 papers.
9. Close the DP.

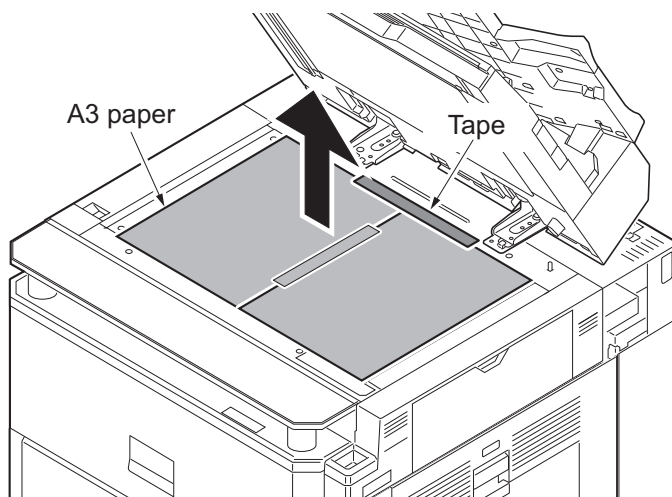
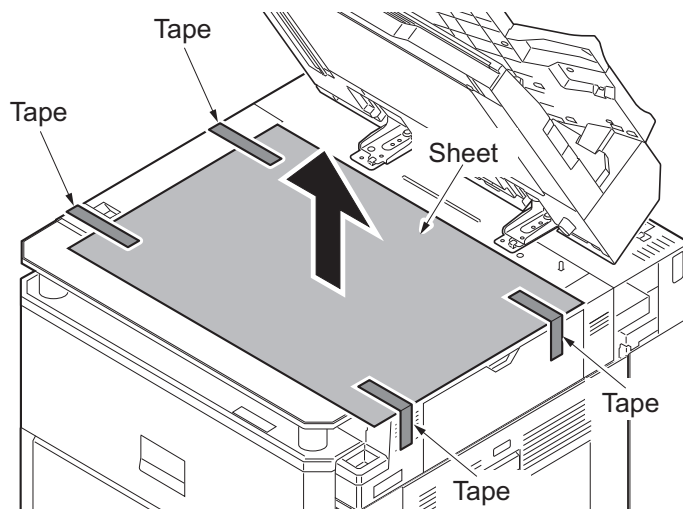


Figure 1-2-14

10. Open the front upper cover.
11. Remove two tapes and then remove two spacers
12. Close the front upper cover.

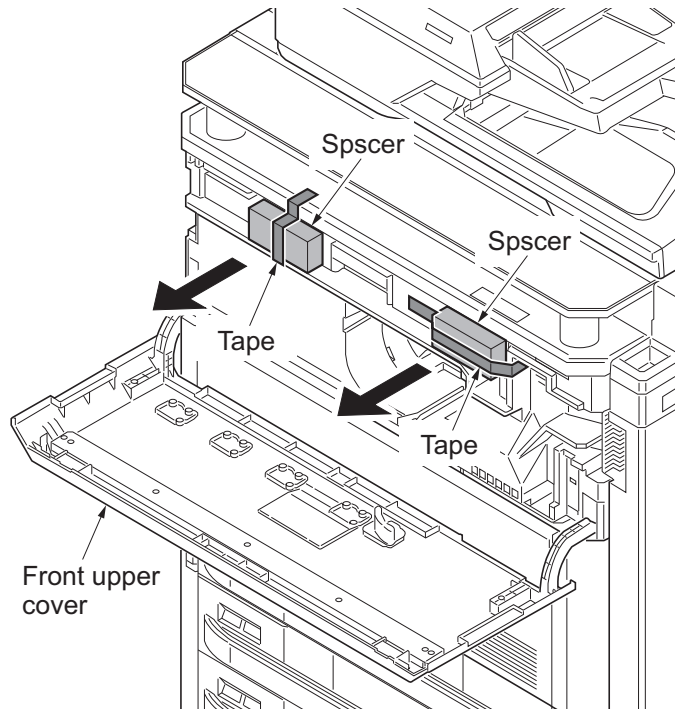


Figure 1-2-15

Installing the operation arm

1. Remove the operation mount cover C.

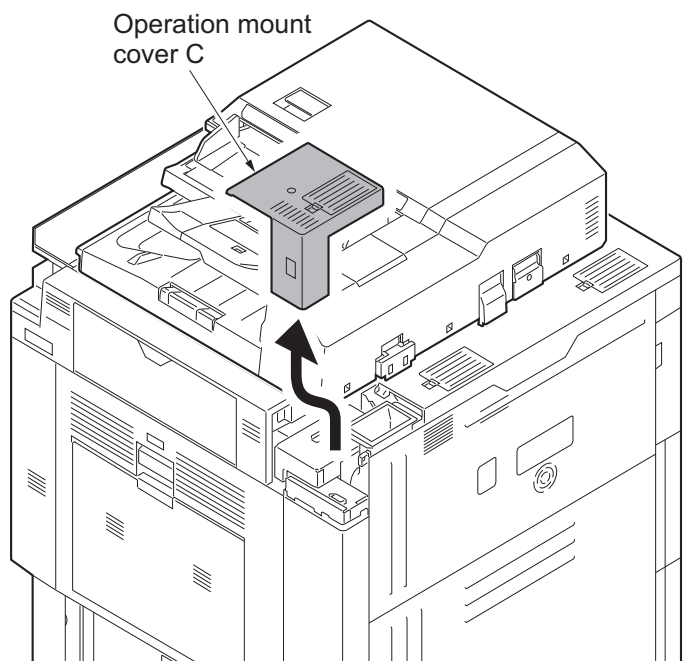


Figure 1-2-16

2. Insert two hooks and the install the operation arm to the machine.

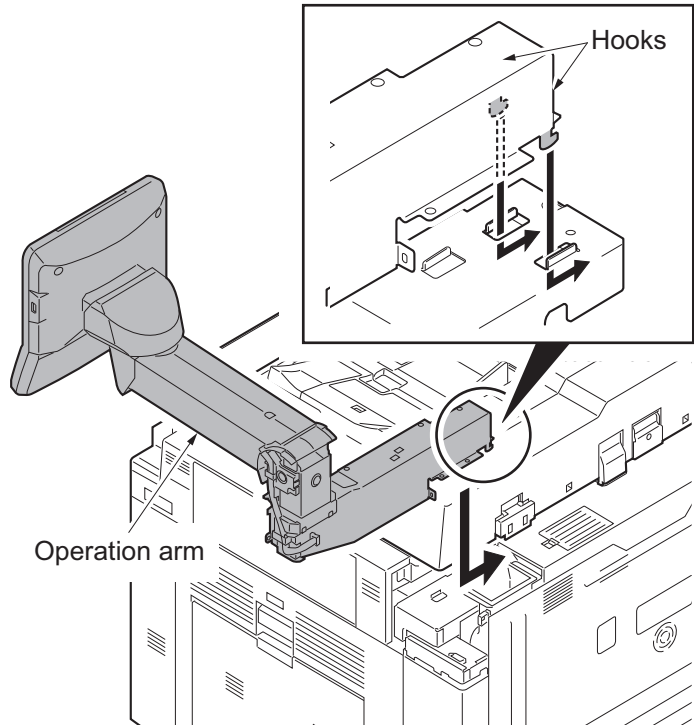


Figure 1-2-17

3. Align the two positioning keys with each other, fix the operation arm using four M4x8 screws a top and two M4x8 screws from the right side.

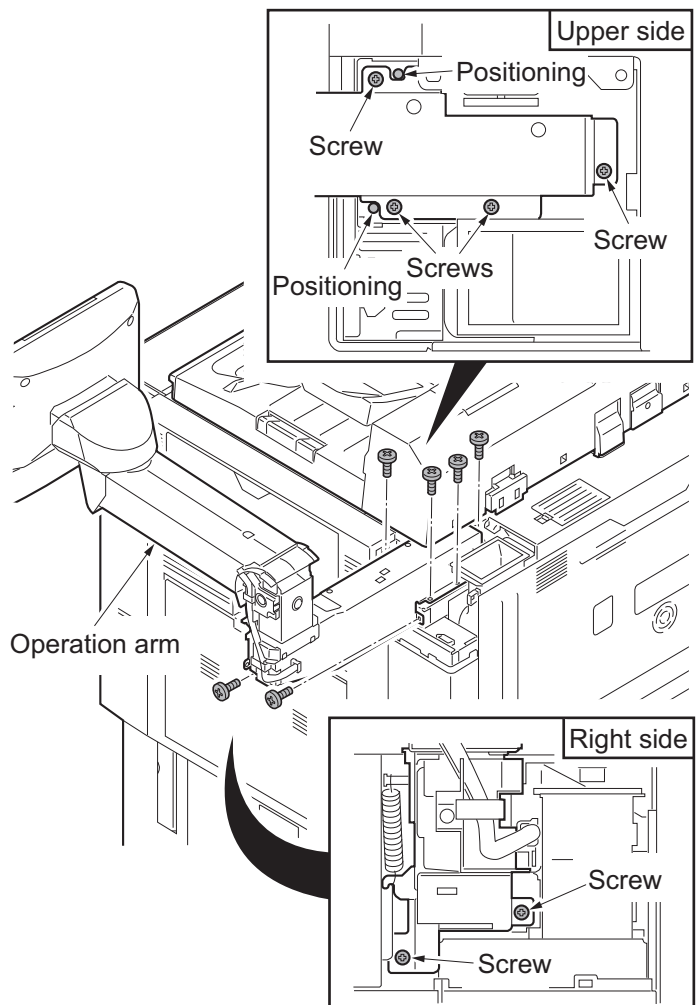


Figure 1-2-18

4. Connect four connectors of the operation arm to connectors of the machine.

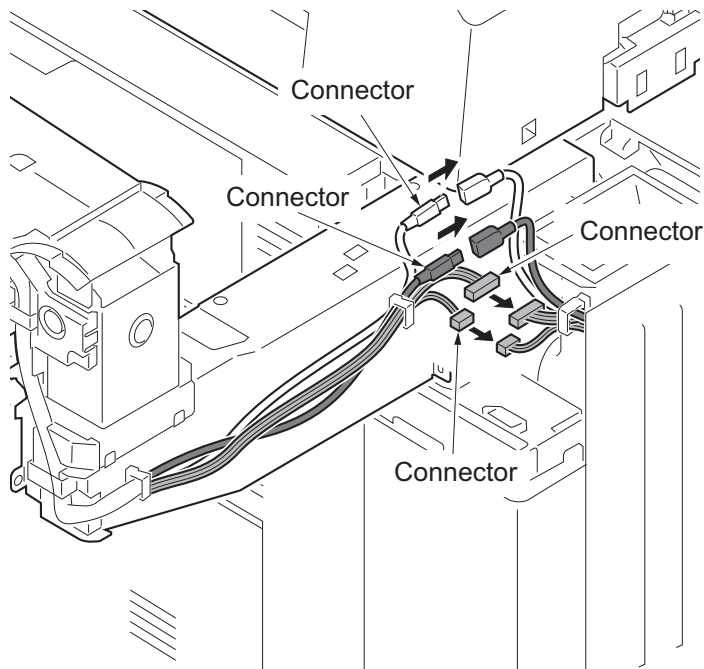


Figure 1-2-19

5. Fit the operation mount cover A and B using two M4 x 8 screws (black).

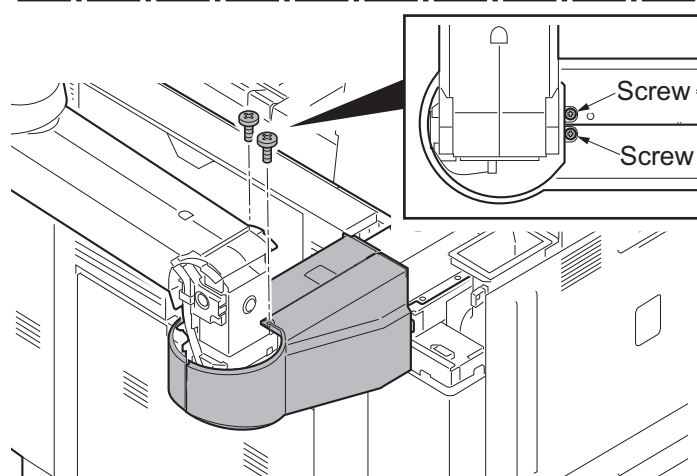
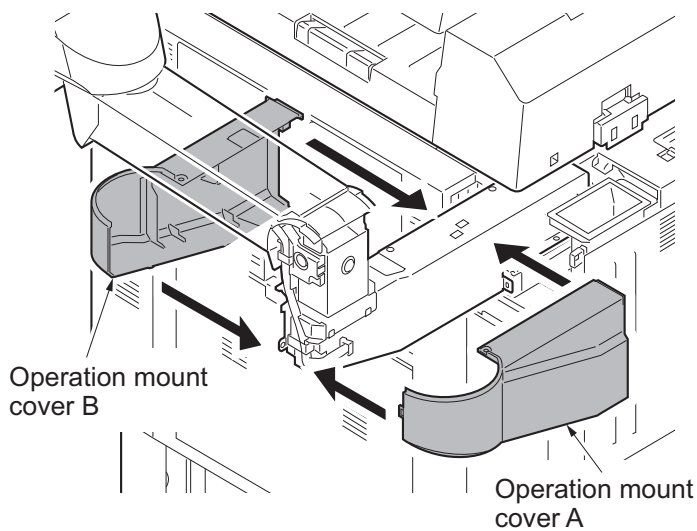


Figure 1-2-20

6. Fit the arm hinge cover A and B using the M4 x 8 screws (black).

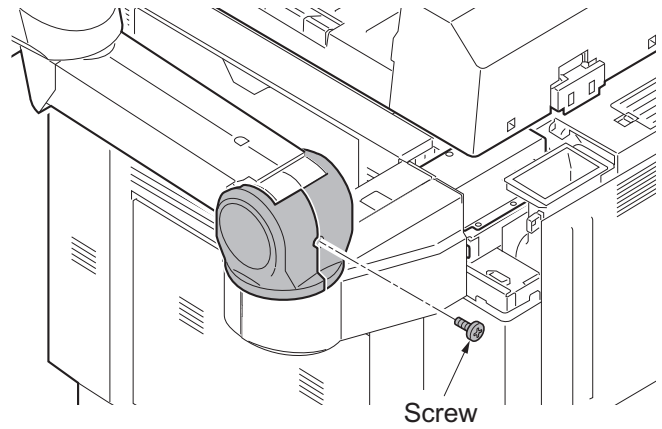
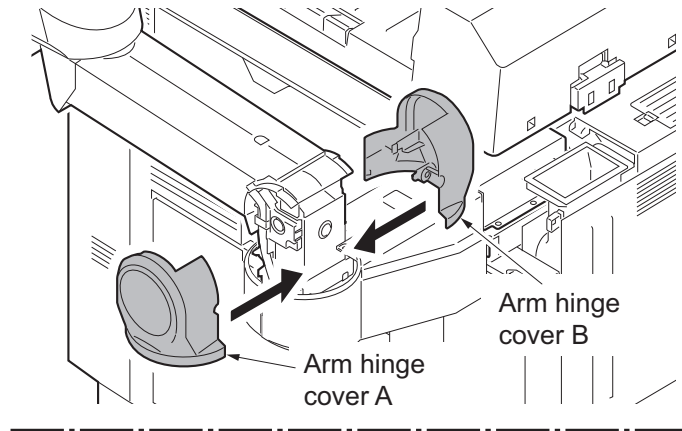


Figure 1-2-21

7. Fit the operation mount cover C using the M4 x 8 screws (black).

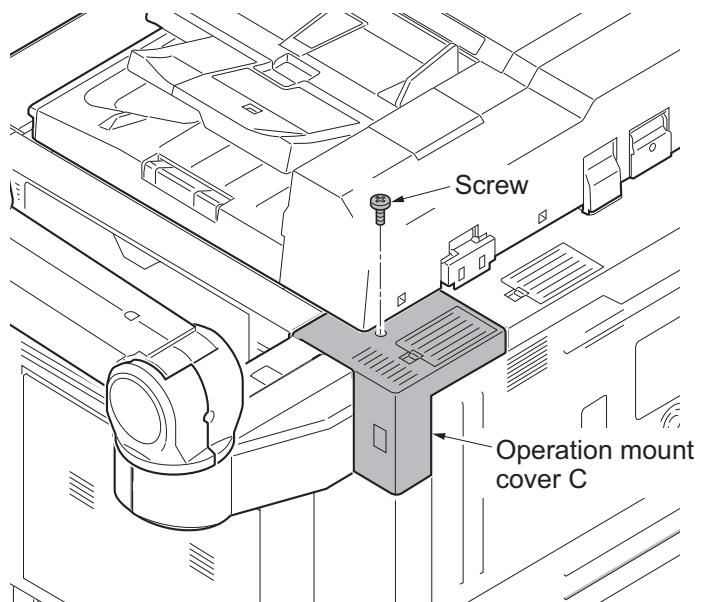


Figure 1-2-22

Release the lock of the scanner mirror frame

1. Open the DP.
2. Remove the tape and then remove the ISU lock leaflet.
3. Remove the scanner lock cover.
4. Mount the scanner lock cover in the reverse manner to restore in the original location.
5. Close the DP.

*: Unless unlocking is performed, C3100 is caused.

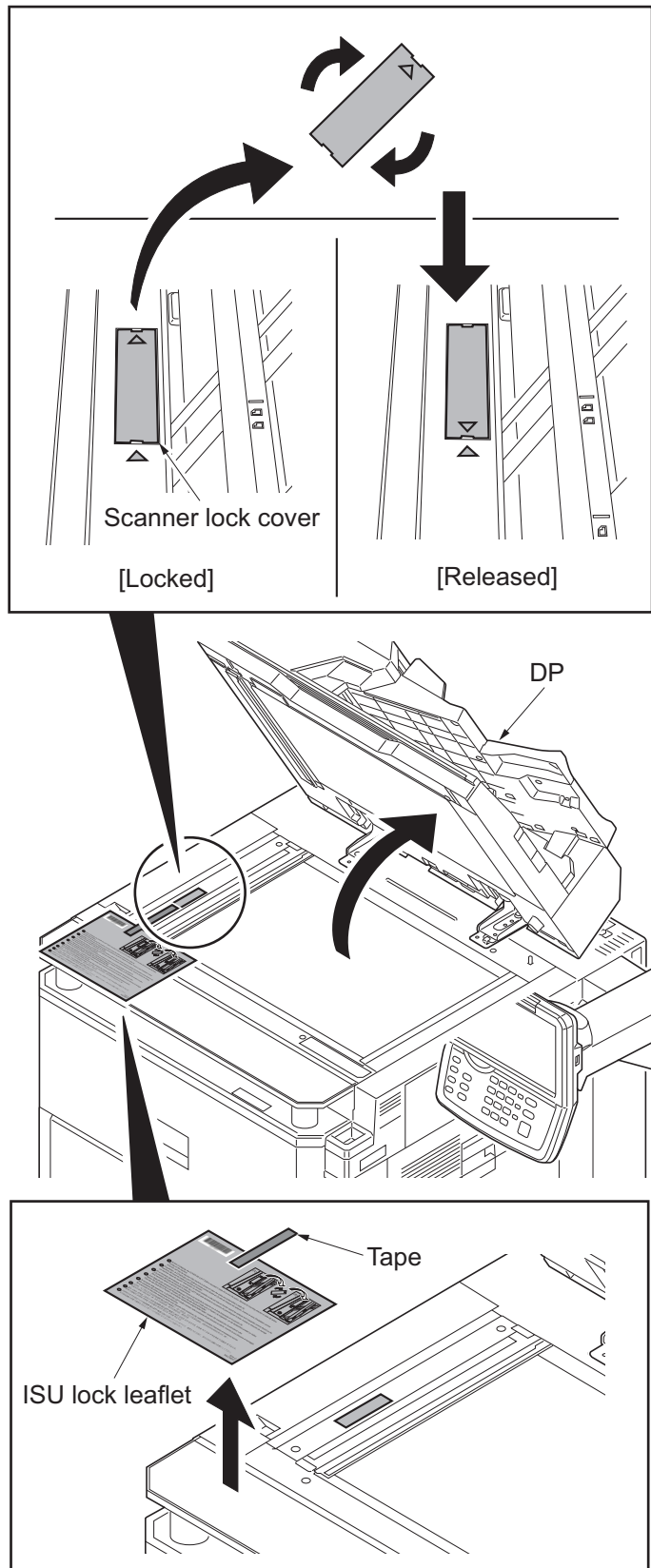


Figure 1-2-23

Release of lift plate stopper (cassette 1 and 2)

1. Pull cassette 1 and 2 out.
 2. Remove the lift plate stopper from each cassette and attach it to the storage location.
- When moving the machine, attach the lift plate in original position.

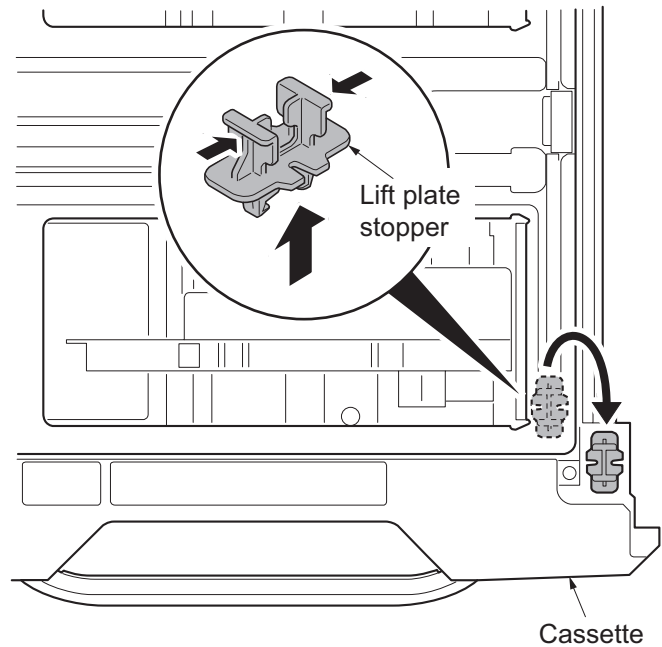


Figure 1-2-24

Loading paper (cassette 1 and 2)

1. Squeeze the ends of the bottom of the paper length guide and move the guide to fit the length of the paper.

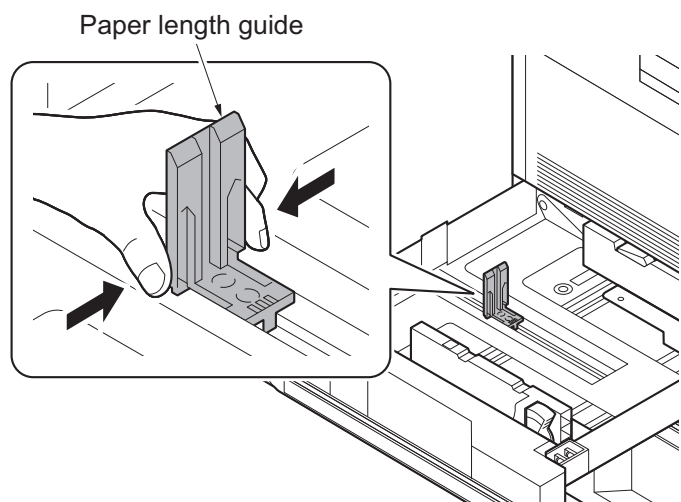


Figure 1-2-25

2. Press the guide lock lever to release the lock.
3. Grasp the paper width adjusting tab and move the paper width guides to fit the paper.

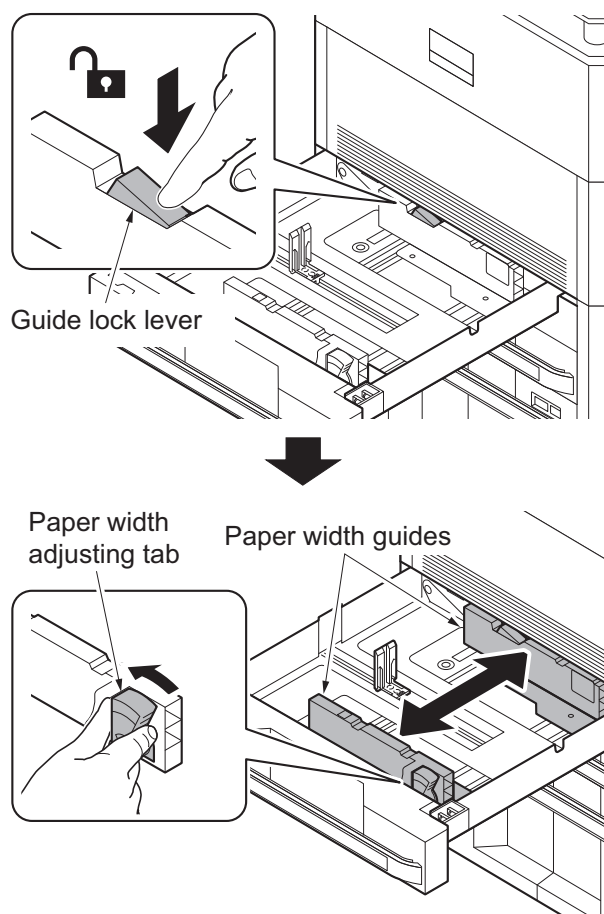


Figure 1-2-26

4. Align the paper flush against the right side of the cassette.
 - *: Before loading the paper, be sure that it is not curled or folded.
 - *: Ensure that the loaded paper does not exceed the level indicated.
 - *: Make sure that the paper length guide and the paper width guides are correctly abut with the paper. Be sure to remove spaces between the guides and the paper.

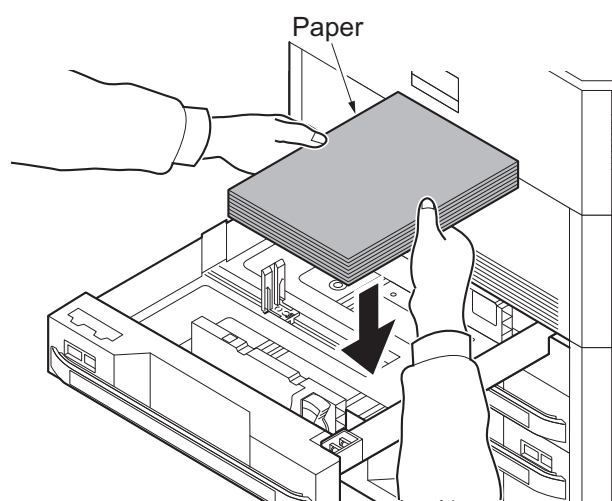


Figure 1-2-27

5. Press the guide lock lever to lock.

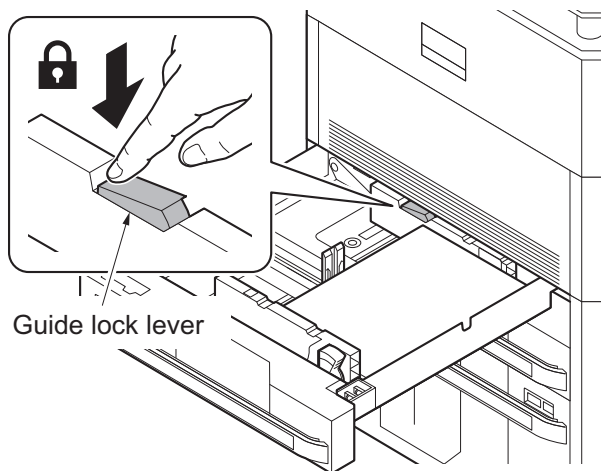


Figure 1-2-28

- 6. Insert the paper size plate and the paper media plate.
- 7. Gently push the cassette back in.

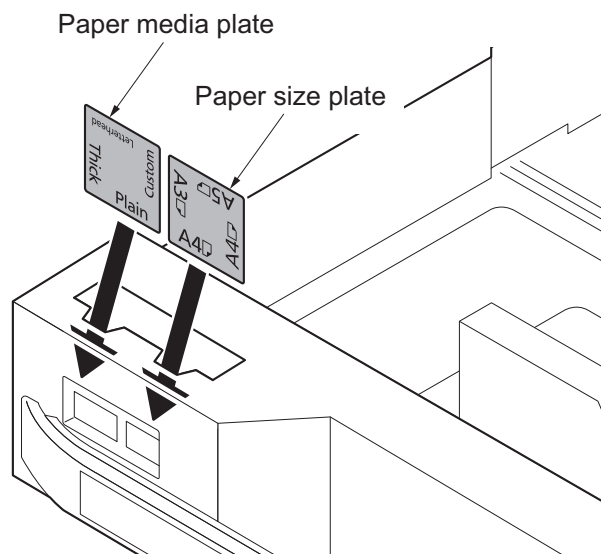


Figure 1-2-29

Release of lift plate stopper (cassette 3 and 4)

1. Pull cassette 3 and 4 out.
2. Remove the lift plate stopper from each cassette and attach it to the storage location.

When moving the machine, attach the lift plate in original position.

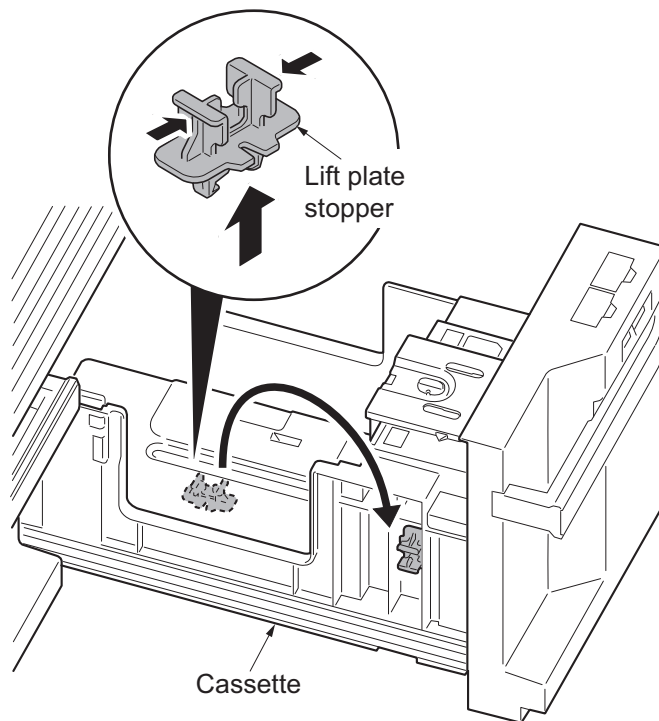


Figure 1-2-30

Loading paper (cassette 3 and 4)

1. Rotate the lock lever of the paper size guide A and remove the lever. Pull the paper size guide A up and out.

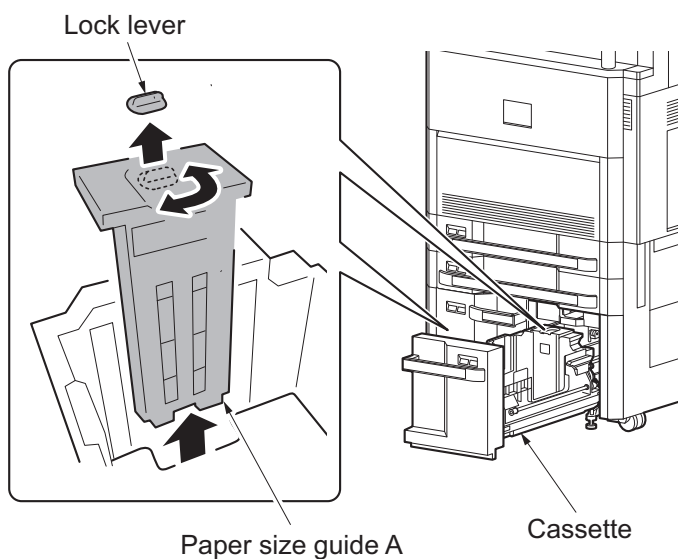


Figure 1-2-31

2. Insert the paper size guide A into the slot (bottom of cassette) for the paper size to be used.
 3. Make sure that the top of the paper size guide A matches the paper size to be used, attach the lock lever, and rotate the lever to lock it.
- *: Gently try moving the paper size guide A to verify that it is fixed.

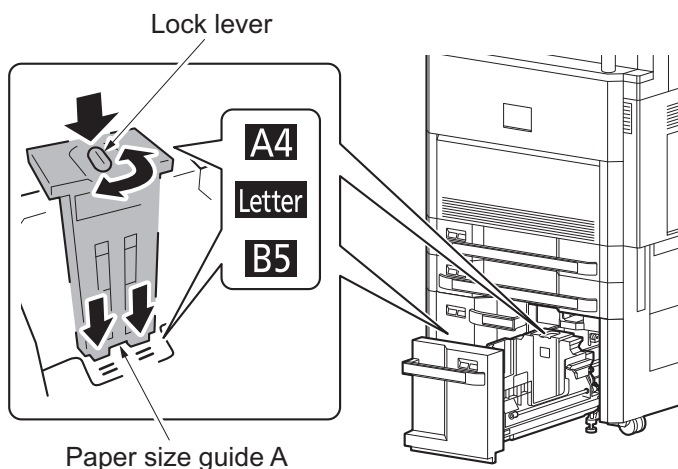


Figure 1-2-32

4. With the bottom of the cassette pressed all the way down, press the hook on the side of the paper size guide B to release it and pull out the paper size guide B.

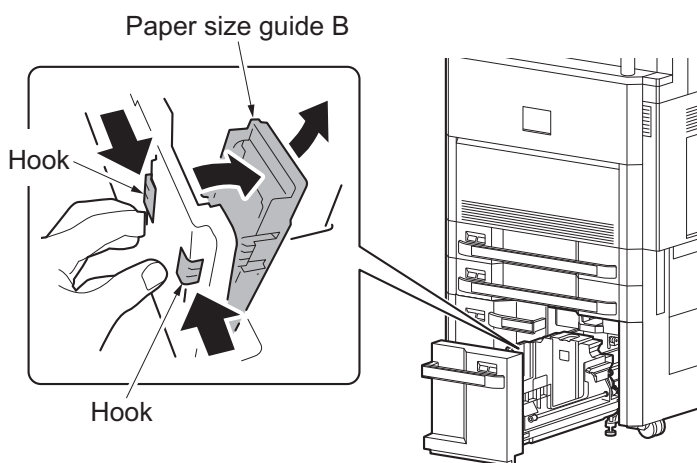


Figure 1-2-33

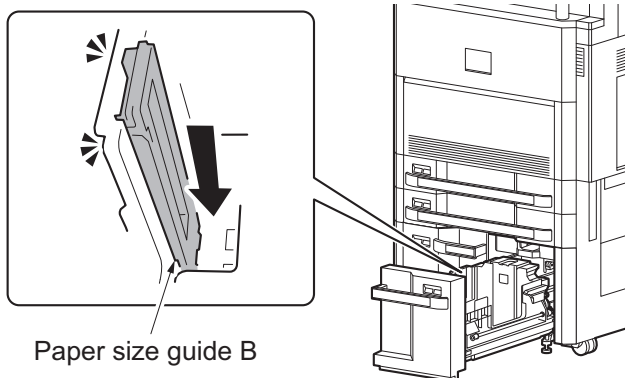
5. Adjust the paper size guide B to the paper size.

A4

Insert the paper size guide B into the slot marked A4 (on the bottom of the cassette), and lock the hook.

Gently try moving the paper size guide B to verify that it is fixed.

[A4]

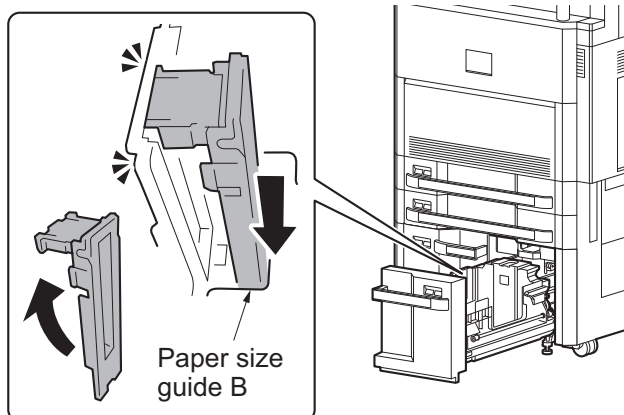


B5

Open the paper size guide B as shown, insert into the slot marked B5 (on the bottom of the cassette), and lock the hook to the upper part.

Gently try moving the paper size guide B to verify that it is fixed.

[B5]



Letter

The paper size guide B is not attached.

[Letter]

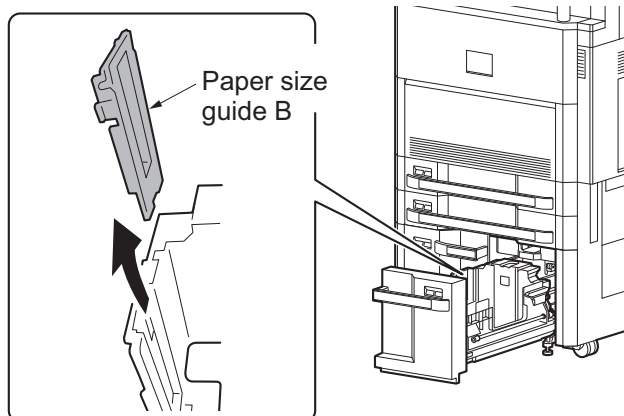


Figure 1-2-34

6. Align the paper flush against the right side of the cassette.
- *: Before loading the paper, be sure that it is not curled or folded.
 - *: Ensure that the loaded paper does not exceed the level indicated.

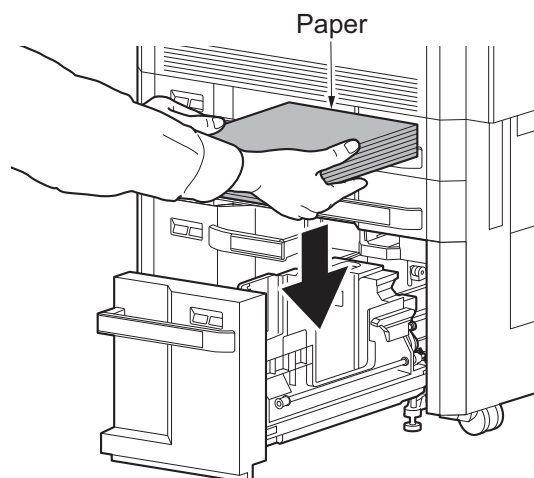


Figure 1-2-35

7. Insert the paper size plate and the paper media plate.
8. Gently push the cassette back in.

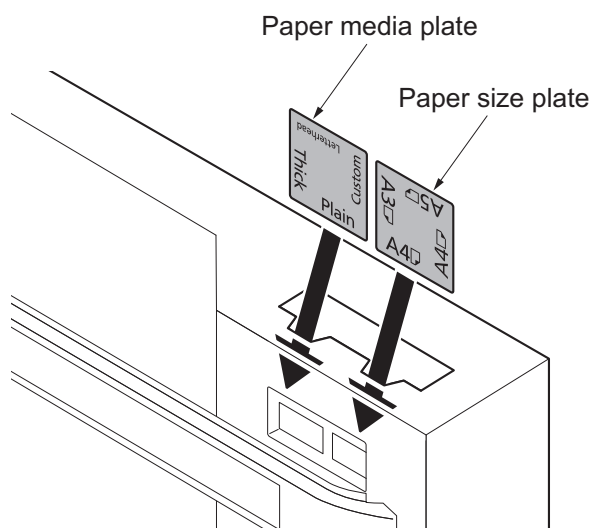


Figure 1-2-36

Installing the toner containers

1. Open the front upper cover.
2. Hold the toner container vertically and hit the upper part about 5 times. Invert the toner container so that the other end is up, and hit in the same way.
3. Shake the toner container in a wide vertical curve like motion about 5 times.

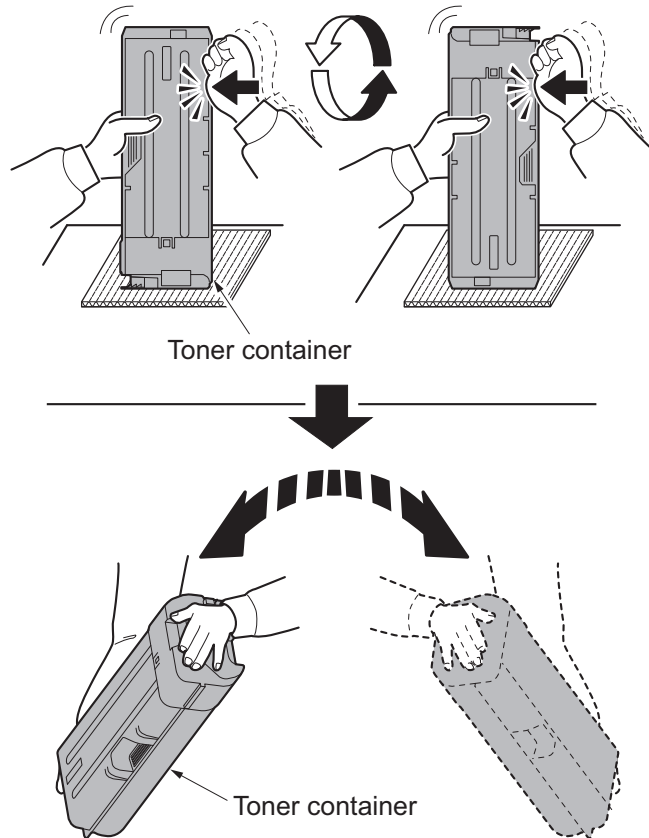


Figure 1-2-37

4. Install the toner container.
5. Turn down the toner container release lever to lock the toner container.
6. Unlock the front middle cover locking by sliding the lock lever to the left.
7. Close the front upper cover.

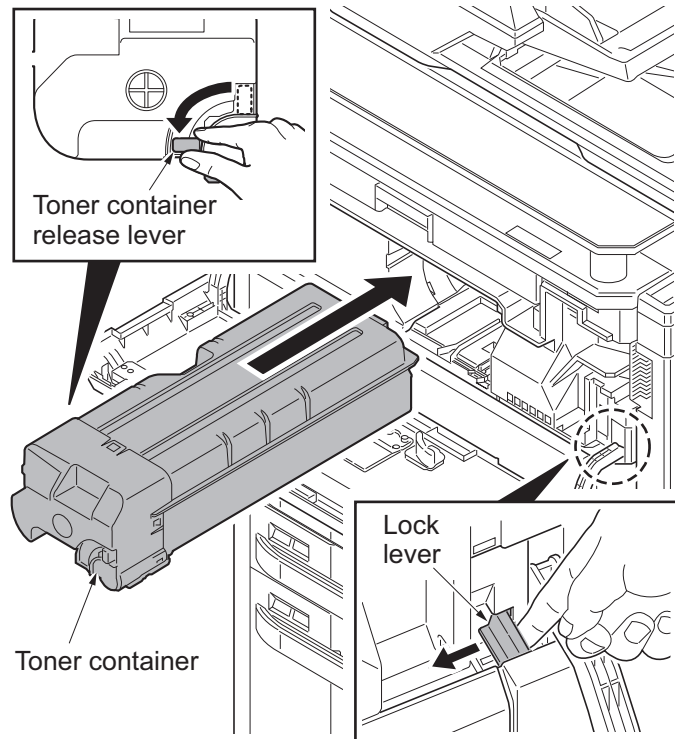


Figure 1-2-38

Unlocking the developer waste exit

Caution

To ease setup, the device was shipped with the developer unit already replenished with developer. Therefore, to prevent developer from spilling during shipping, a developer shutter is equipped with the developer unit.

To disengage the shutter, use the following procedure: Note that if the shutter is not completely disengaged and retained in place, the developer in the developer unit may clog at the outlet causing a damage to the developer unit.

1. Remove two tapes and then remove the set up leaflet.
- *: The setup leaflet must be affixed in position before dispatching the machine.
2. Open the waste toner box cover.

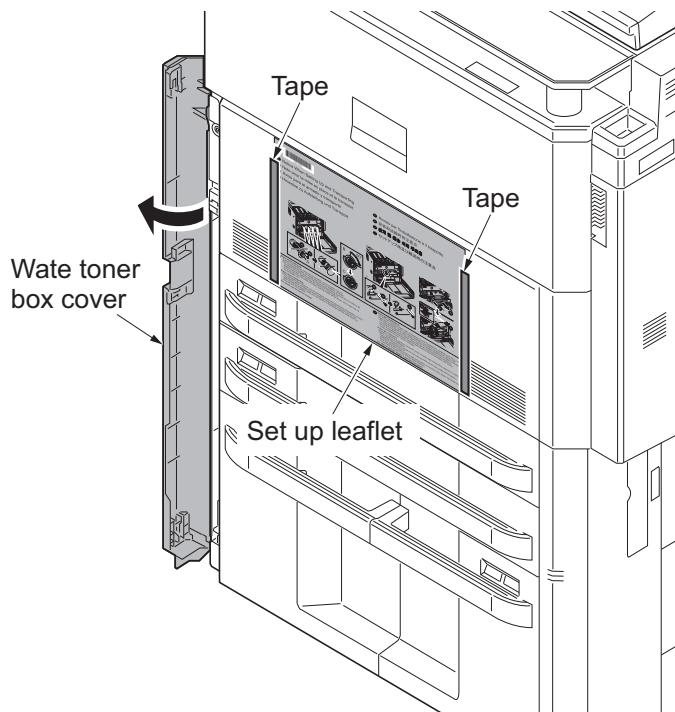


Figure 1-2-39

3. Remove the screw and then open the front middle cover.

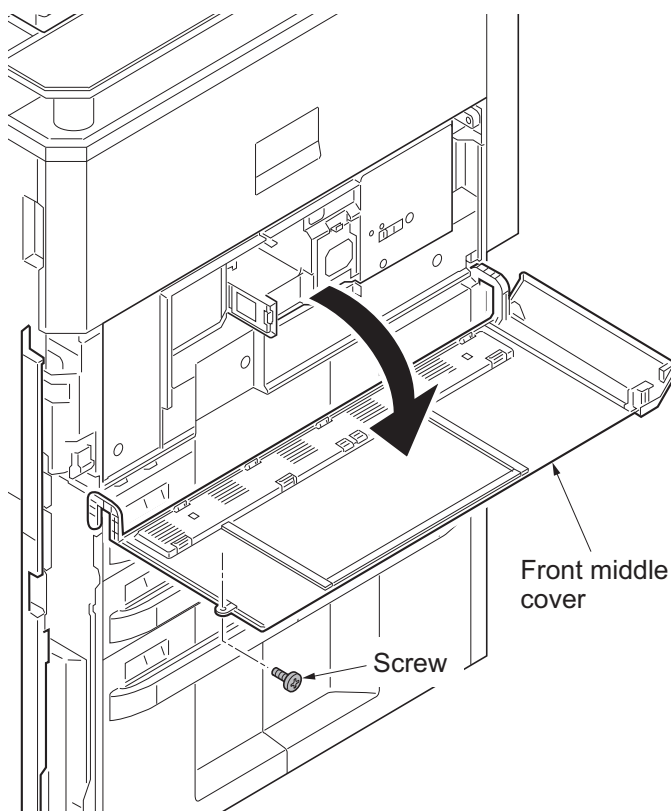


Figure 1-2-40

4. Press the fixing pin and rotate.

*: Fully insert the fixing pin with keeping the protrusions vertical and rotate it by 90 degrees clockwise. Make sure that the protrusions are then horizontal.

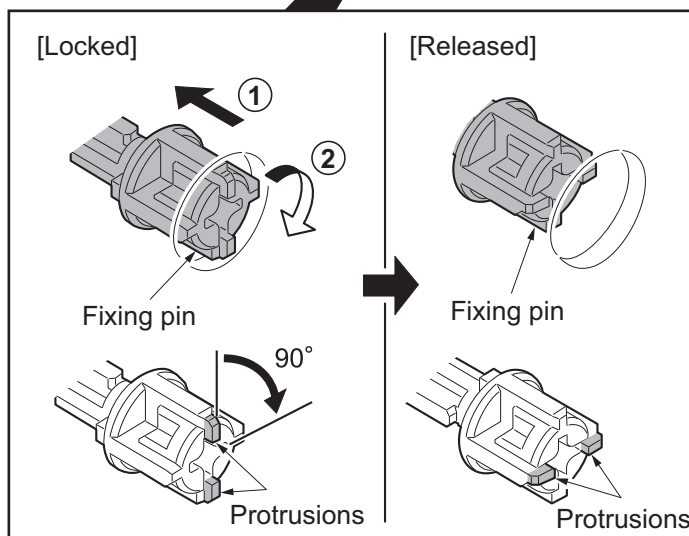
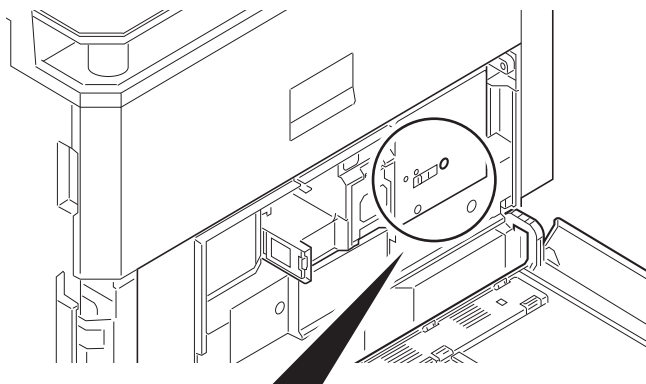


Figure 1-2-41

5. Remove a screw and slide the lever right wards.

6. Fix the lever using the screw previously removed at the right screw hole and unlock the developer waste exit.

*: When the device is shipped again or removed, use the reverse procedure to lock in the developer waste exit. Failure to observe this caution could result in deteriorated print quality and/or C call (7460).

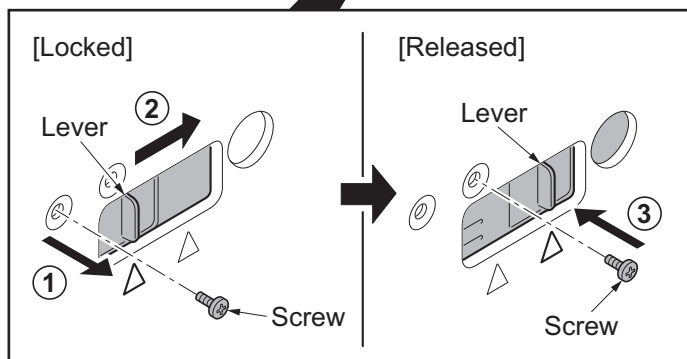
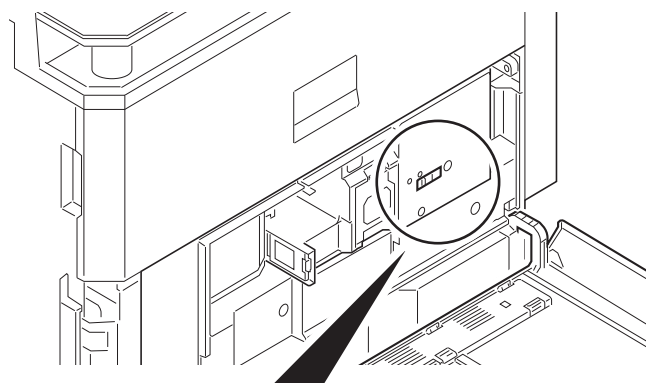


Figure 1-2-42

7. Close the front middle cover and fix the cover using the screw.

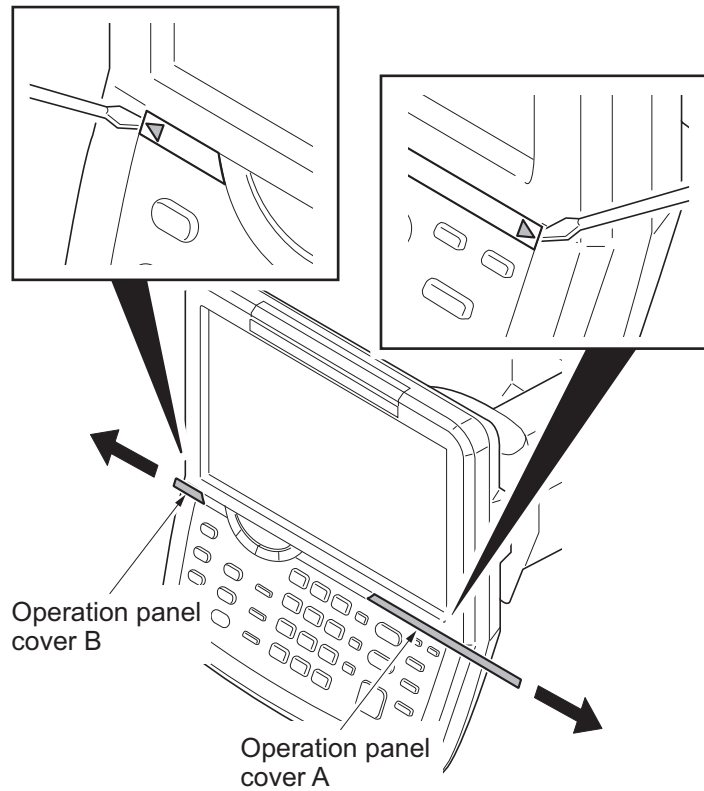
8. Open the front upper cover.

9. Lock the front middle cover by sliding the lock lever to the right.

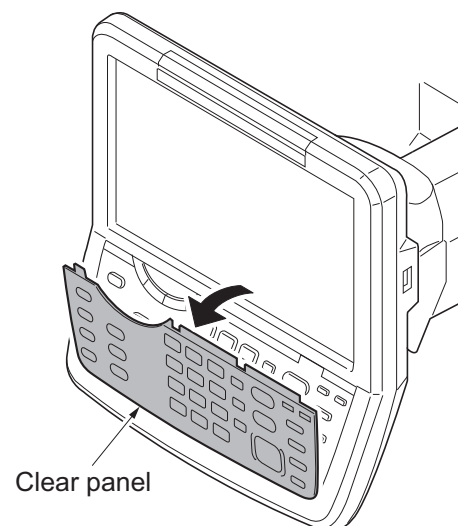
10. Close the front upper cover.

Replacing operation panel sheet

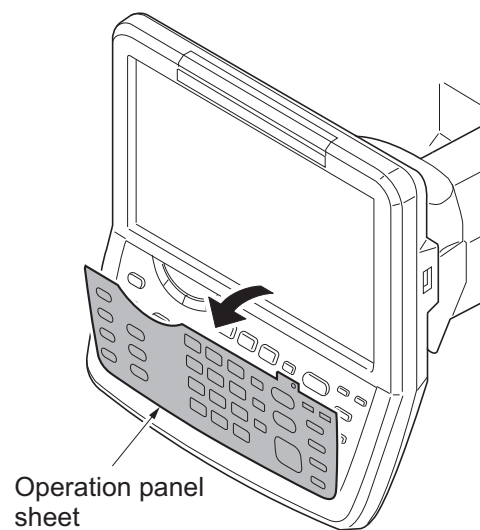
1. Insert a flat-head screwdriver and slide the operation panel covers A and B to remove them.

**Figure 1-2-43**

2. Remove the clear panel.

**Figure 1-2-44**

3. Remove the operation panel sheet.
4. Replace the operation panel sheet of the corresponding language.
5. Refit the clear panel.
6. Refit the operation panel covers A and B.

**Figure 1-2-45**

Installing other optional devices

1. Install the optional devices (document finisher, side feeder and/or fax kit etc.) as necessary.

Installing the stoppers

The above is not required when an optional document finisher or the side feeder has been installed.

1. Fix the stoppers with two screws at the bottom right of the device.
Use the upper screw holes.

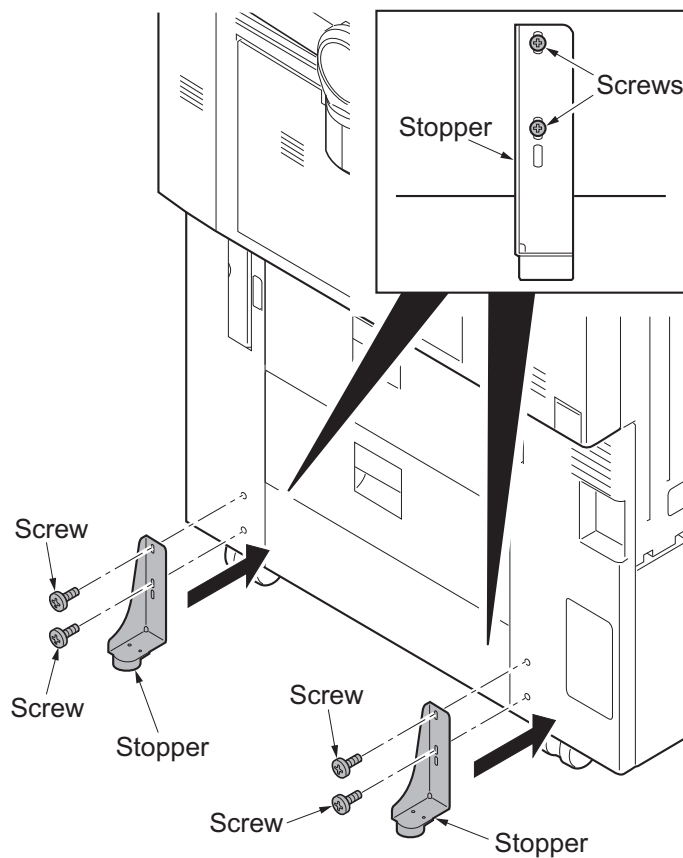


Figure 1-2-46

Caution

Turn the adjusters on each corner until they reach the floor and then secure the machine.

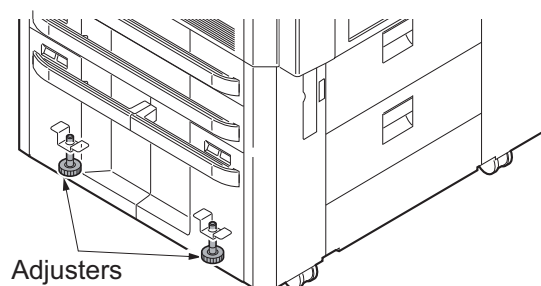


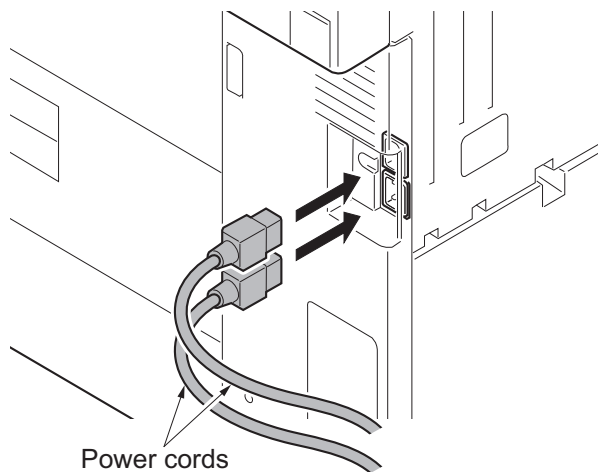
Figure 1-2-47

Installing the cassette heater (option)

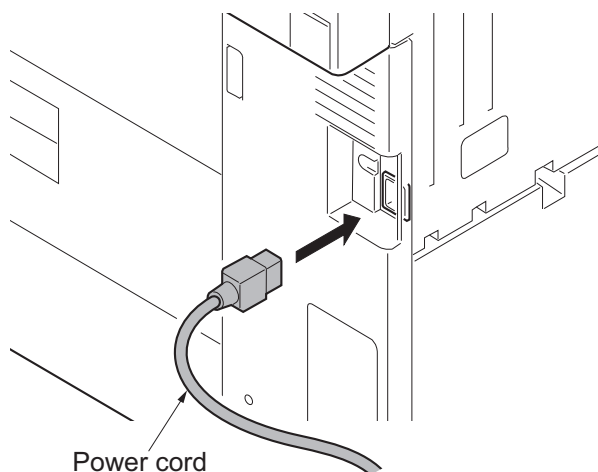
1. Install the optional cassette heater as necessary (see page 1-2-69).

Connect the power cord

1. Connect the power cord to the power cord connector on rear lower of the machine.
2. Connect the power plug to the wall outlet.



120 V specifications



220 - 240 V specifications

Figure 1-2-48

Installing toner

1. Turn the main power switch on. Toner installation is started.
2. The drive chain is disengaged when toner installation is completed.
Run maintenance mode U132 if [Add Toner] remains displayed even after the drive chain is disengaged (see page 1-3-77).

Adjusting the image

1. Performing calibration

(see the operation guide, U464 Setting the ID correction operation - performing calibration)

Press [Adjustment/Maintenance] and then [Next] of [Calibration].

Press [Execute] to perform calibration. When completed, press [OK].

*: Perform the high altitude settings when a leakage is developed on images in a high altitude installation, such as in Mexico City.

U140 - AC Calb - High Altitude - Mode 2

2. Adjusting the halftone automatically (see page 1-3-138)

Load the cassette with multiple sheets of A4 or Letter paper.

Enter the maintenance mode by entering 10871087 using the numeric keys.

Enter 410 using the numeric keys and press the start key.

Press [Normal Mode] and then press the start key. A test patterns 1 and 2 are outputted.

Place the output test pattern 1 as the original.

Place approximately 20 sheets of white paper on the test pattern 1 and set them.

Press the start key. Adjustment is made.

Place the output test pattern 2 as the original.

Place approximately 20 sheets of white paper on the test pattern 2 and set them.

Press the start key. Adjustment is made.

[Finish] is displayed in [Phase] when normally completed.

Press the stop key twice to exit.

Setting the delivery date (maintenance item U278)

1. Enter the maintenance mode by entering 10871087 using the numeric keys.
2. Enter 278 using the numeric keys and press the start key.
3. Select [Today].
4. Press the start key. The delivery date is set.
5. Press the stop key to exit.

Output an own-status report (maintenance item U000)

1. Enter 000 using the numeric keys and press the start key.
2. Select [Maintenance] and press the start key. A status report is output.
3. Press the stop key to exit.

Exit maintenance mode

1. Enter 001 using the numeric keys and press the start key. The machine exits the maintenance mode.

Print out the user setting list

1. Select [Report Print] to output the user various setting reports.

Make test copies

1. Place an original and make test copies.
If paper is fed skewed, perform the adjustment of skewed paper in the cassette (see page 1-5-110).

Completion of the machine installation

(2) Setting initial copy modes

Factory settings are as follows:

Maintenance item No.	Contents	Factory setting
U253	Switching between double and single counts	DBL(A3/Ledger)
U260	Selecting the timing for copy counting	Eject
U285	Setting service status page	On
U323	Setting abnormal temperature and humidity warning	On
U325	Setting the paper interval	Off/1
U326	Setting the black line cleaning indication	On/8
U327	Setting the cassette heater control	Off
U343	Switching between duplex/simplex copy mode	Off

1-2-3 Installing the key counter (option)

Key counter installation requires the following parts:

Parts	Quantity	Part.No.
Key counter	1	3025418011
Key counter set	1	302A369709
Key counter wire	1	302K946AJ0
Tray mount set	1	302LF94291

*: Not used in 120V model.

Supplied parts of key counter set (302A369709):

Parts	Quantity	Part.No.
Key counter socket assembly	1	3029236241
Key counter cover retainer	1	302GR03010
Key counter retainer	1	302GR03020
Key counter cover	1	3066060011
Key counter mount	1	3066060041
Edging	2*	7YZM210006++H01
Band	1*	M21AH010
M3 x 8 tap-tight P screw	1*	5MBTPB3008PW++R
M4 x 10 tap-tight P screw	2*	5MBTPB4010PW++R
M4 x 10 tap-tight S screw	2*	5MBTPB4010TW++R
M3 x 6 bronze flat-head screw	2	7BB003306H
M4 x 20 tap-tight S screw	2*	7BB100420H
M3 nut	1	7BC1003055++H01
M3 x 8 bronze binding screw	1*	B1B03080
M4 x 30 tap-tight S screw	1*	B1B54300
M4 x 6 chrome TP screw	5	B4A04060
M4 x 10 chrome TP screw	2*	B4A04100

*: Not used in this model.

Supplied parts of tray mount set (302LF94291):

Parts	Quantity	Part.No.
Tray cover	1	302LC04601
Tray mount	1	-
Tray film	2	-
M4 x 20 tap-tight S screw	4	7BB100420H
M4 x 8 tap-tight S screw	2	7BB700408H

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Fit the key counter socket assembly to the key counter retainer using two screws and nut.
3. Fit the key counter mount to the key counter cover using two screws.
4. Fit the key counter retainer to the key counter mount using two screws.

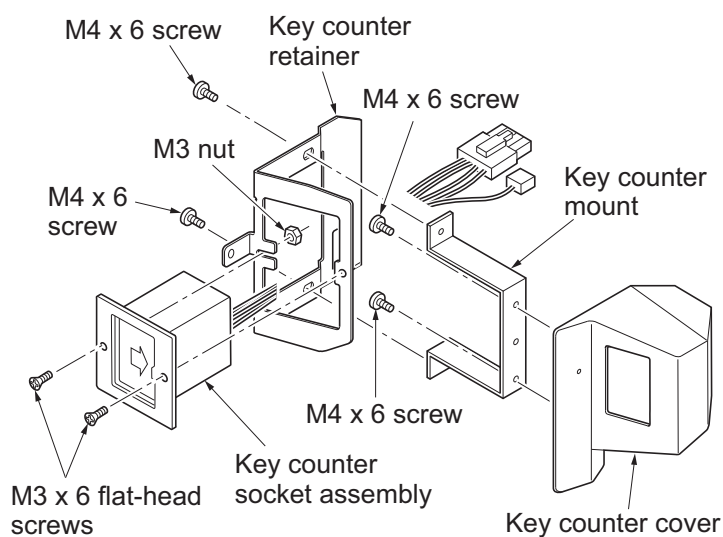


Figure 1-2-49

- *: For the 120V model, proceed to step 24. Pass the connector of the key counter wire through the aperture in the operation mount cover B. And then proceed to step 28.
5. Remove eight screws and then remove the rear upper cover.

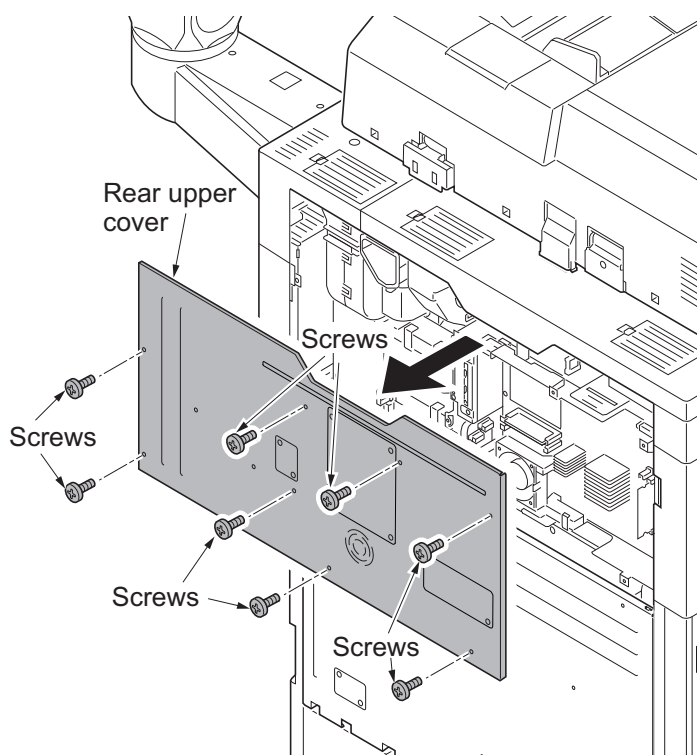


Figure 1-2-50

6. Remove the controller cover.
7. Remove the screw and then remove the controller lid.

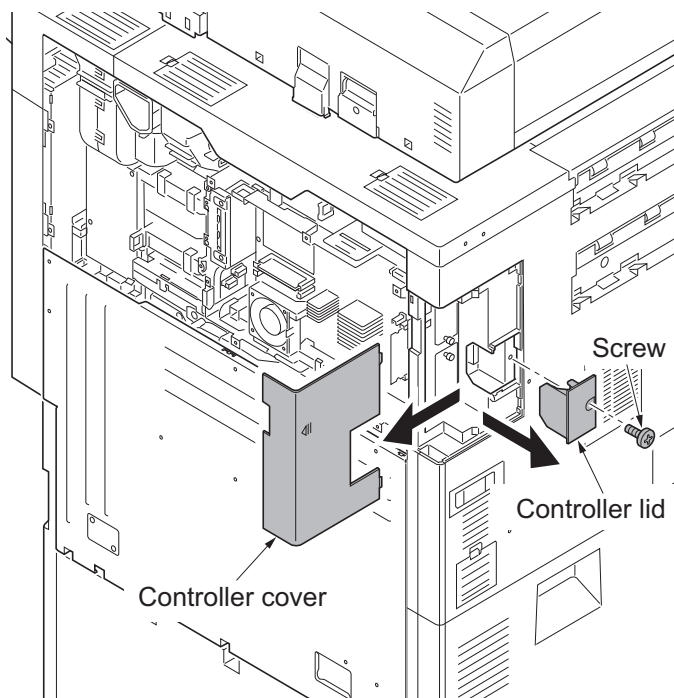


Figure 1-2-51

8. Release seven wire saddles on the controller box.
9. Remove the wire holder.

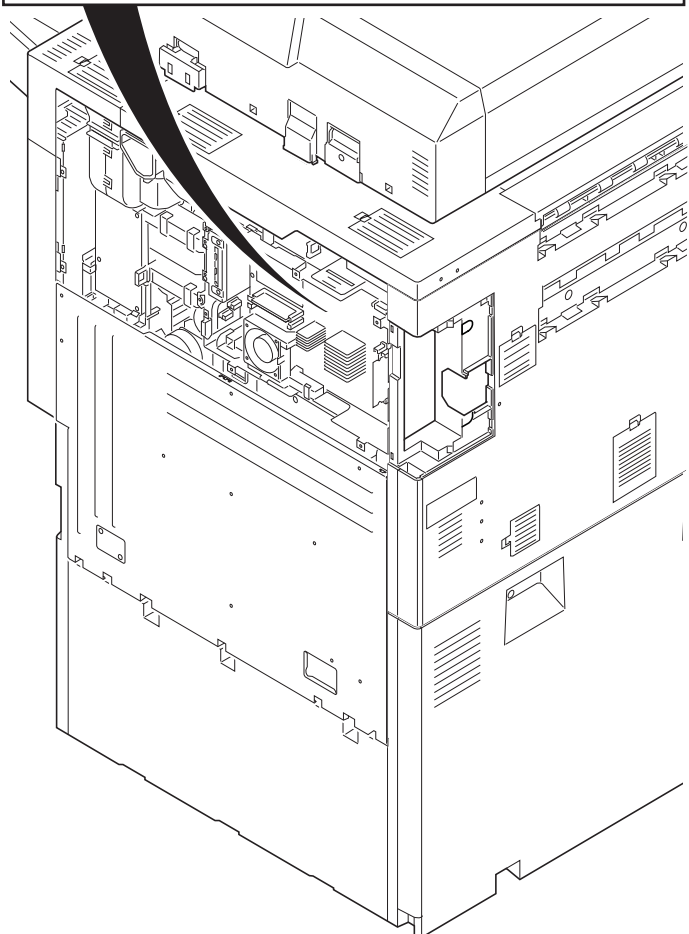
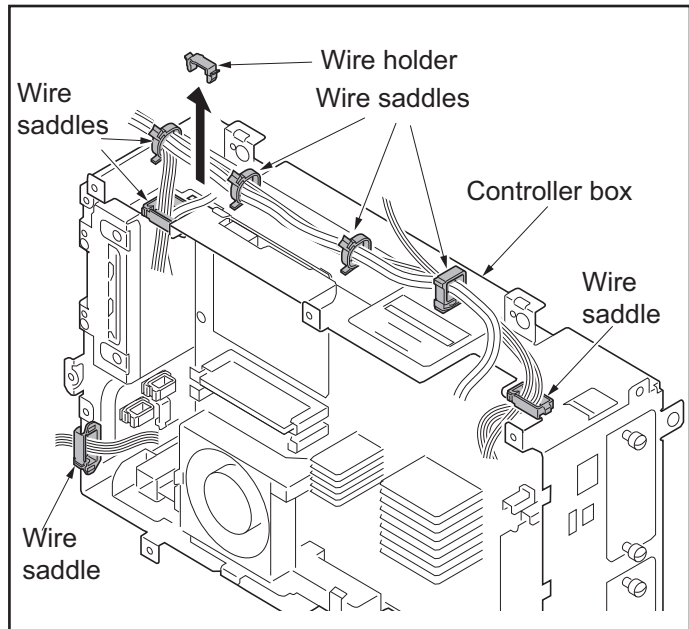


Figure 1-2-52

10. Remove the connector from the DP relay PWB,
11. Remove the following connectors that connected to the main PWB from the outside of the control box.

- YC25
- YC11
- YC30
- YC24
- YC3 (FFC connector with a lock)
- YC17 (BK)
- YC21 (WH)
- YC12
- YC18

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see figure a).

*: When connecting an FFC furnished with the protrusions at both ends, address the side with a blue-colored tape towards the locking lever, insert the FFC into the connector until the protrusions are recessed, and raise the lock lever to lock the FFC (see figure b).

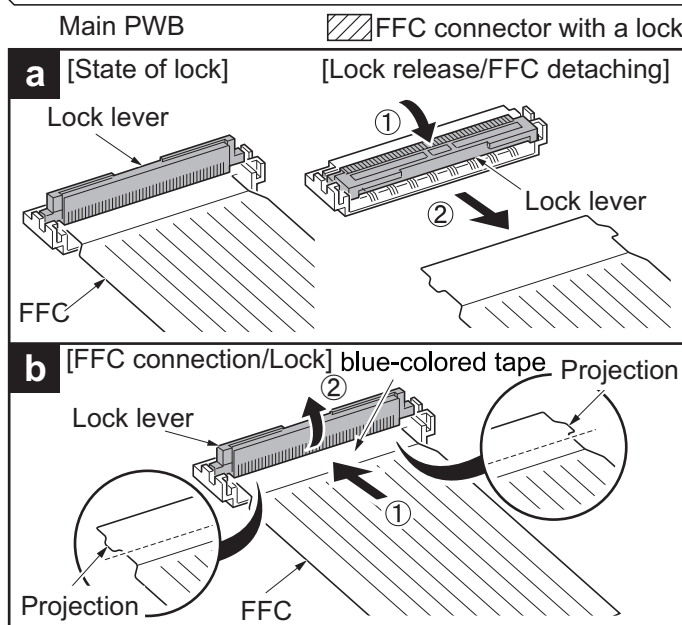
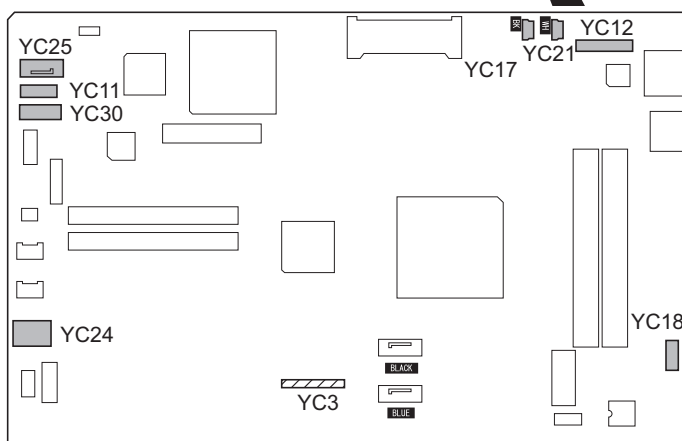
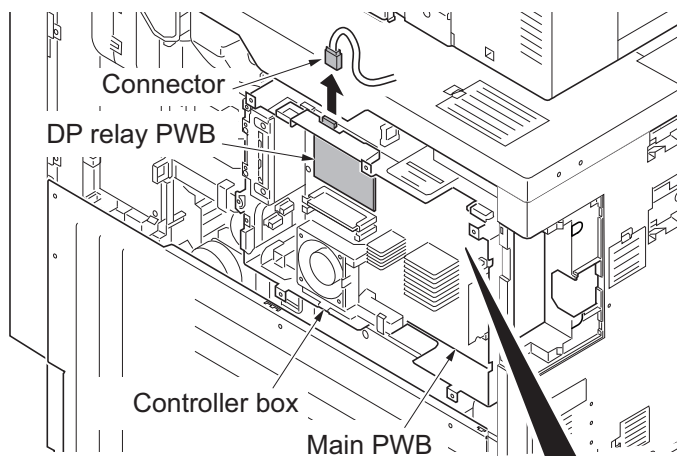


Figure 1-2-53

12. Remove five screws.
13. Unhook two hooks and then remove the controller box.

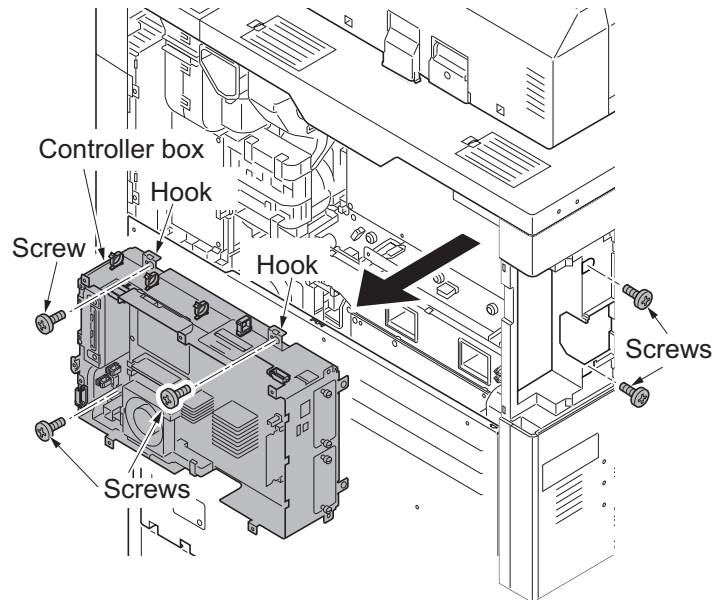


Figure 1-2-54

14. Remove the screw and then remove the operation mount cover C.

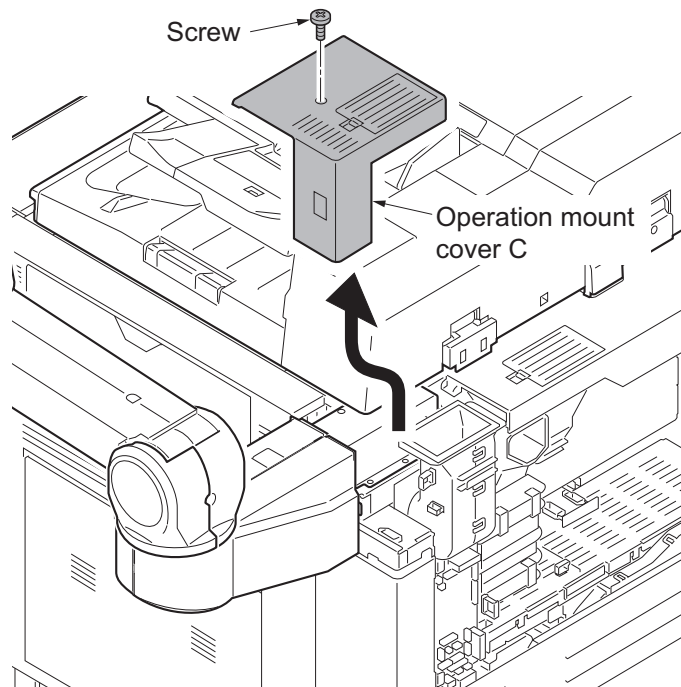


Figure 1-2-55

15. Remove the screw and then remove the arm hinge cover A and B.

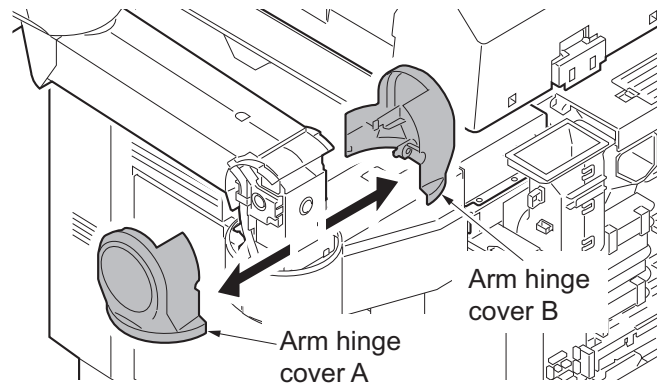
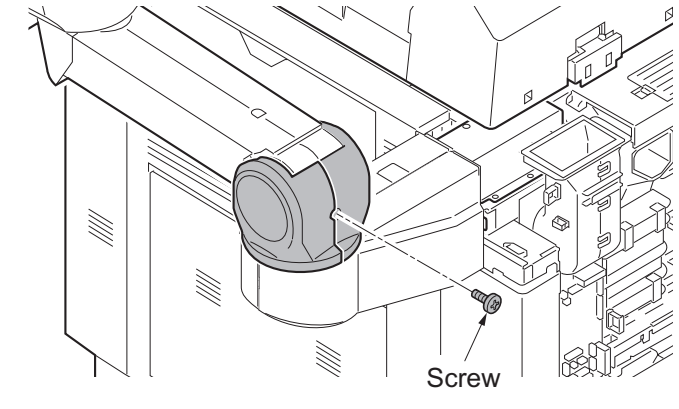


Figure 1-2-56

16. Remove the screw and then remove the operation mount cover A.

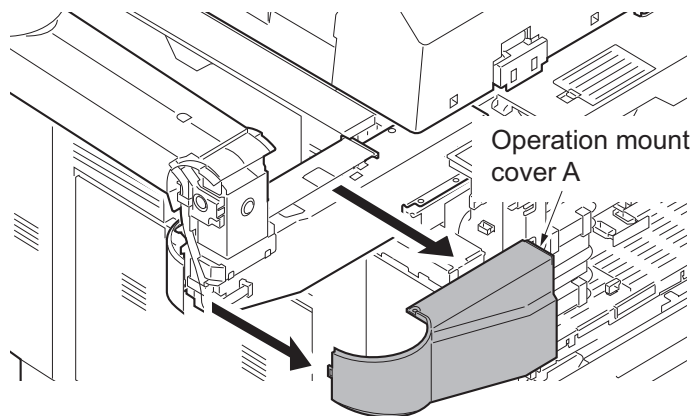
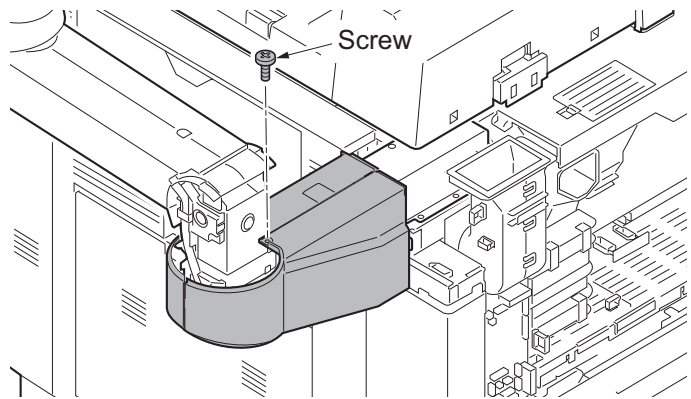


Figure 1-2-57

17. Cut out the aperture plate on the operation mount cover B using nippers.

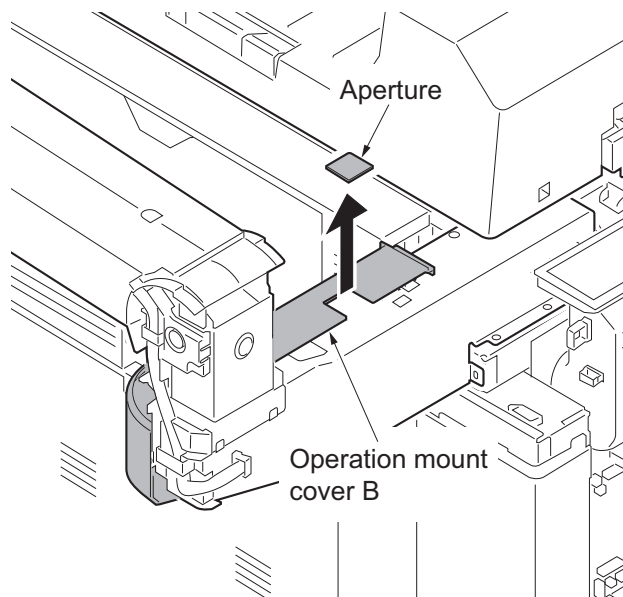


Figure 1-2-58

18. Connect the connector of the key counter wire to the connector YC24 on the engine PWB.

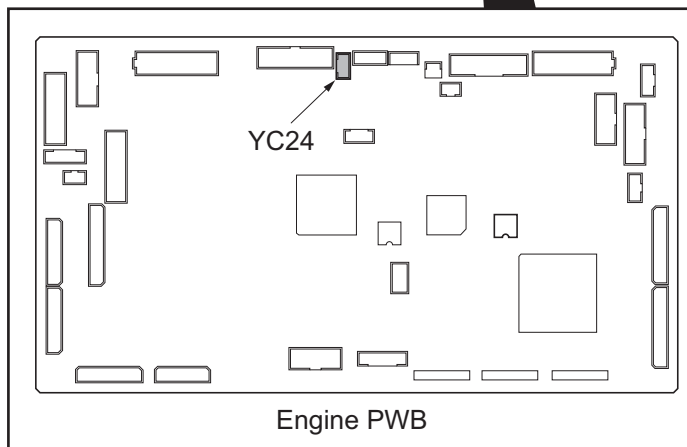
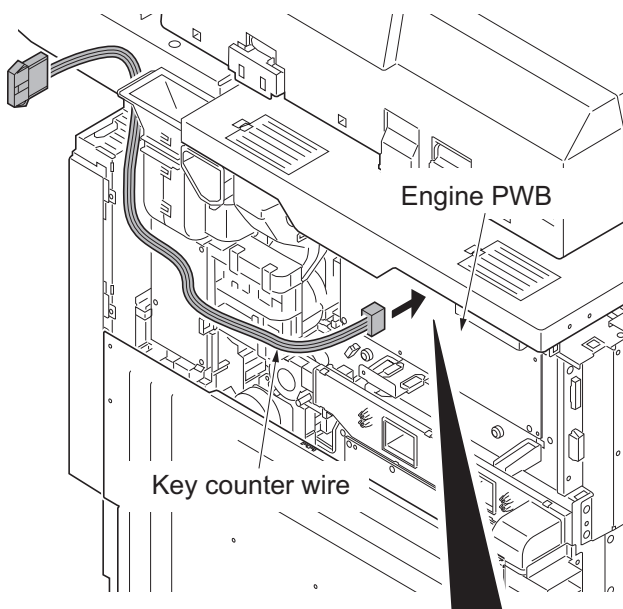


Figure 1-2-59

19. Remove two wire holders.
20. Route the key counter wire through the wire guide and fix it at the wire holders.

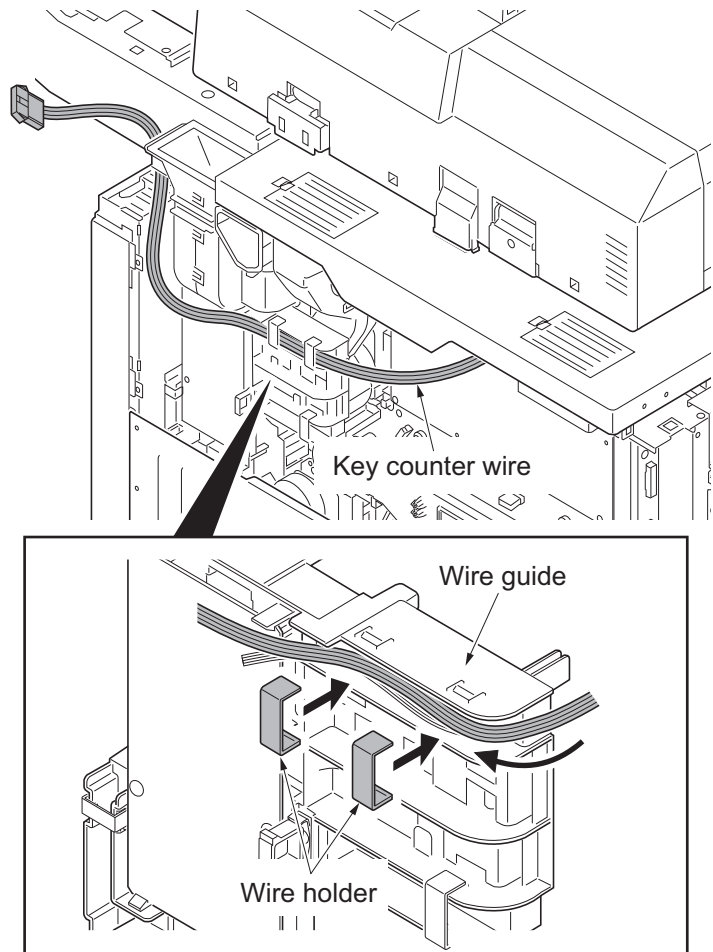


Figure 1-2-60

21. Route the key counter wire through the three wire saddles and fix it at the wire holder.

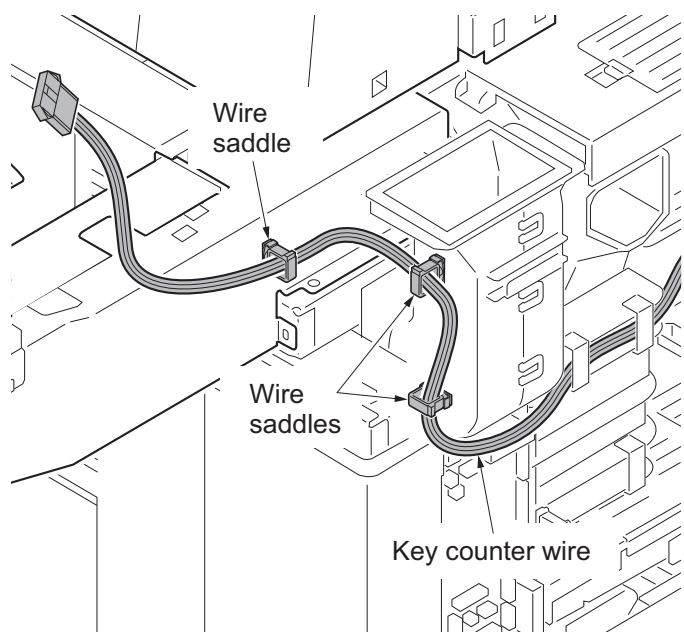


Figure 1-2-61

22. Pass the connector of the key counter wire through the aperture in the operation mount cover B and refit the operation mount cover A.
23. Refit the arm hinge cover A, B and operation mount cover C.
24. Refit the controller box.
25. Refit the left upper cover and the rear upper cover.

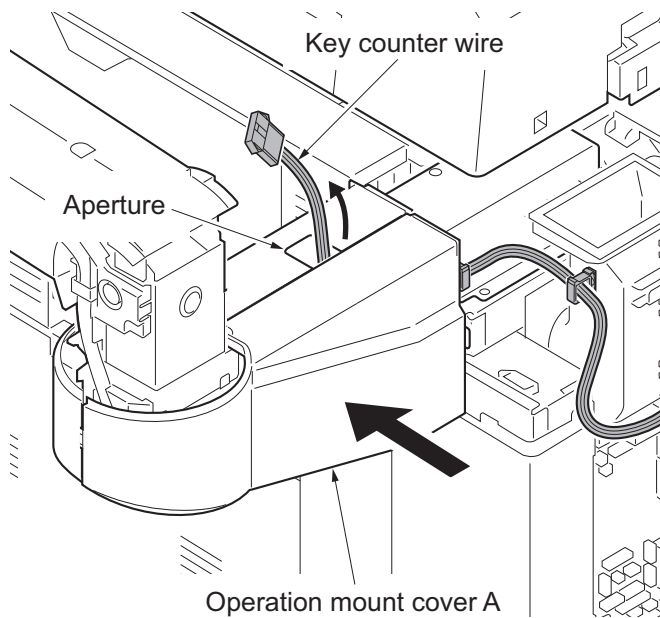


Figure 1-2-62

26. Peel the protective pad and then affix two tray films over the tray mount.

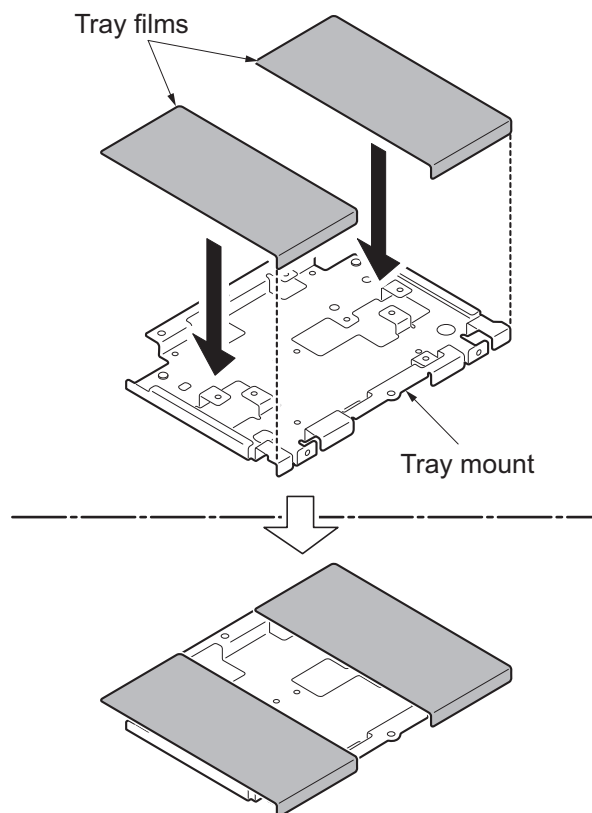


Figure 1-2-63

27. Fit the tray mount to the operation arm using two M4 x 20 tap-tight S screws.

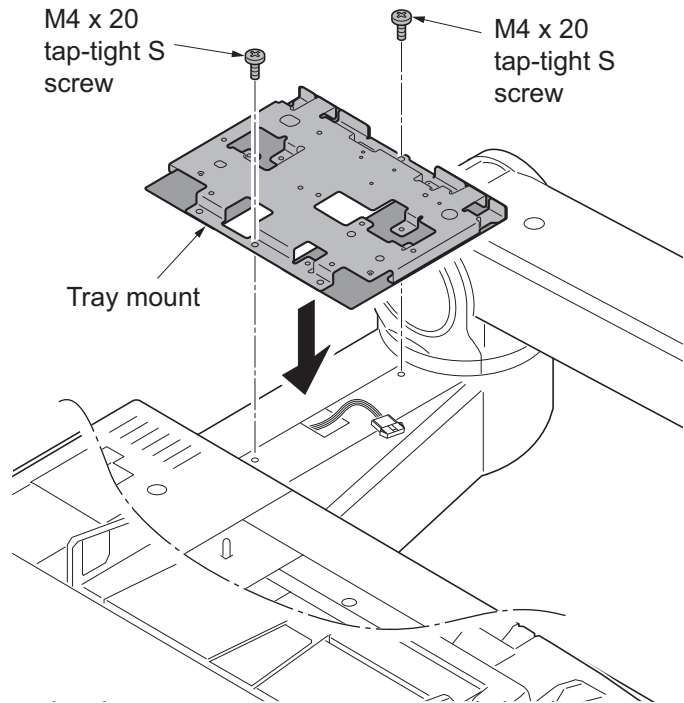


Figure 1-2-64

28. Cut out the aperture plate on the tray cover using nippers.
29. Fit the tray cover to the tray stay using two M4 x 8 screws.

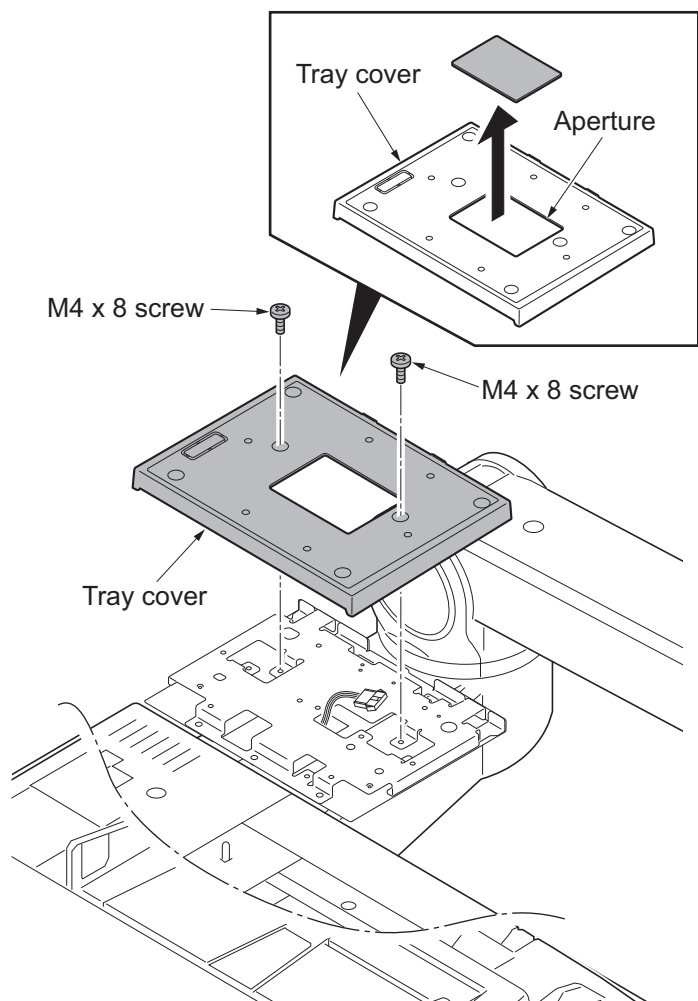


Figure 1-2-65

30. Fit the key counter cover retainer to the tray cover using two M4 x 20 tap-tight S screws.

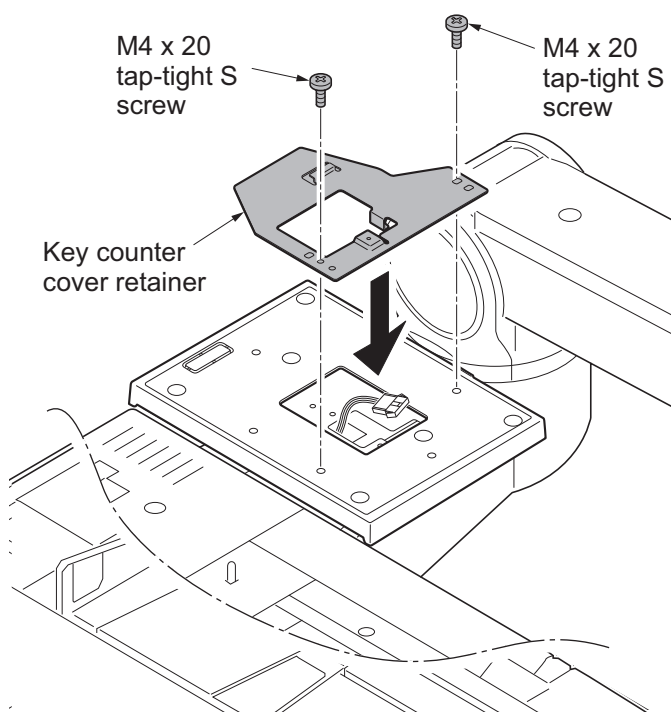


Figure 1-2-66

31. Connect the key counter signal cable to the key counter wire.
32. Fit the key counter cover to the machine using the M4 x 6 screw.
33. Insert the key counter into the key counter socket assembly.
34. Turn the main power switch on and enter the maintenance mode.
35. Run maintenance item U204 and select [Key-Counter] (see page 1-3-95).
36. Exit the maintenance mode.
37. Check that the message requesting the key counter to be inserted is displayed on the touch panel when the key counter is pulled out.
38. Check that the counter counts up as copies are made.

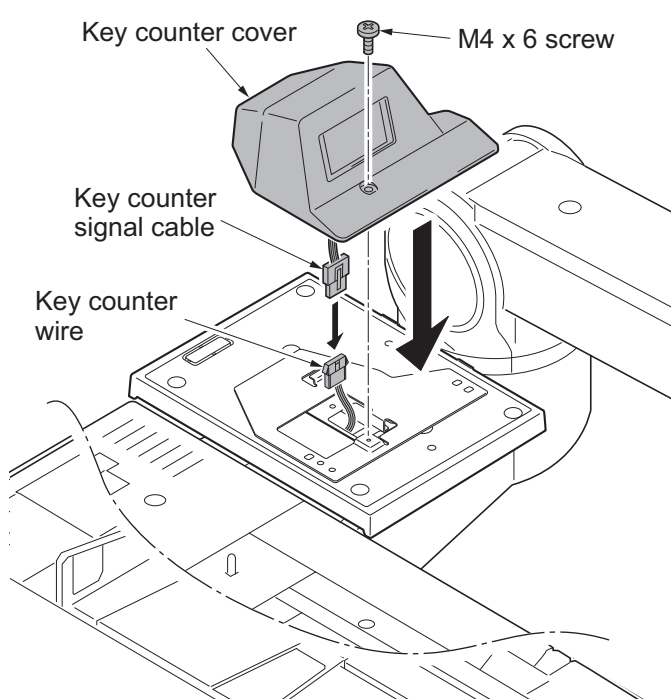


Figure 1-2-67

1-2-4 Installing the key card MK-2 (option for japan only)

Key card installation requires the following parts:

Parts	Quantity	Part.No.
Key card MK-2	1	8J272002 (option)
MK-2 mount	1	Supplied with MK-2
M4 x 16 screw	2	
tray mount set	1	302LF94291

Supplied parts of tray mount set (302LF94291):

Parts	Quantity	Part.No.
Tray cover	1	302LC04601
Tray mount	1	-
Tray film	2	-
M4 x 20 tap-tight S screw	4	7BB100420H
M4 x 8 tap-tight S screw	2	7BB700408H

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove eight screws and then remove the rear upper cover.

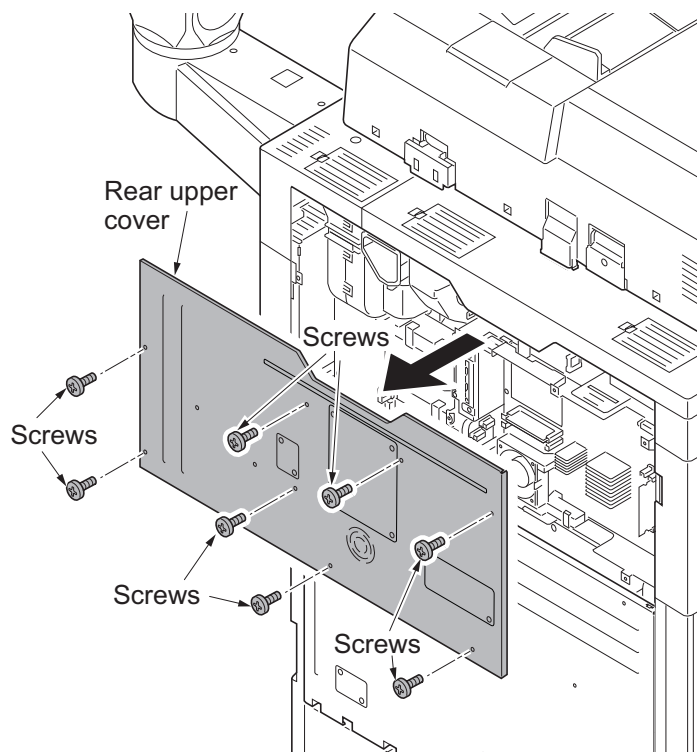


Figure 1-2-68

3. Remove the controller cover.
4. Remove the screw and then remove the controller lid.

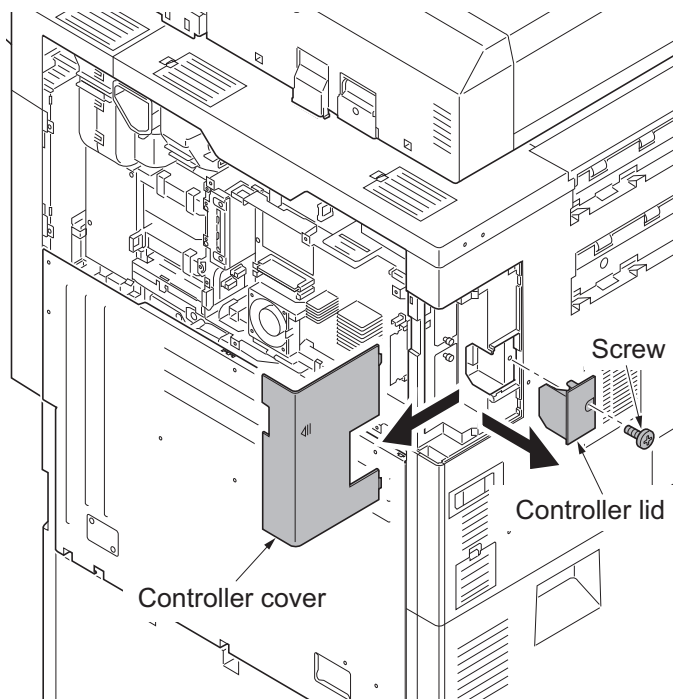


Figure 1-2-69

5. Release seven wire saddles on the controller box.
6. Remove the wire holder.

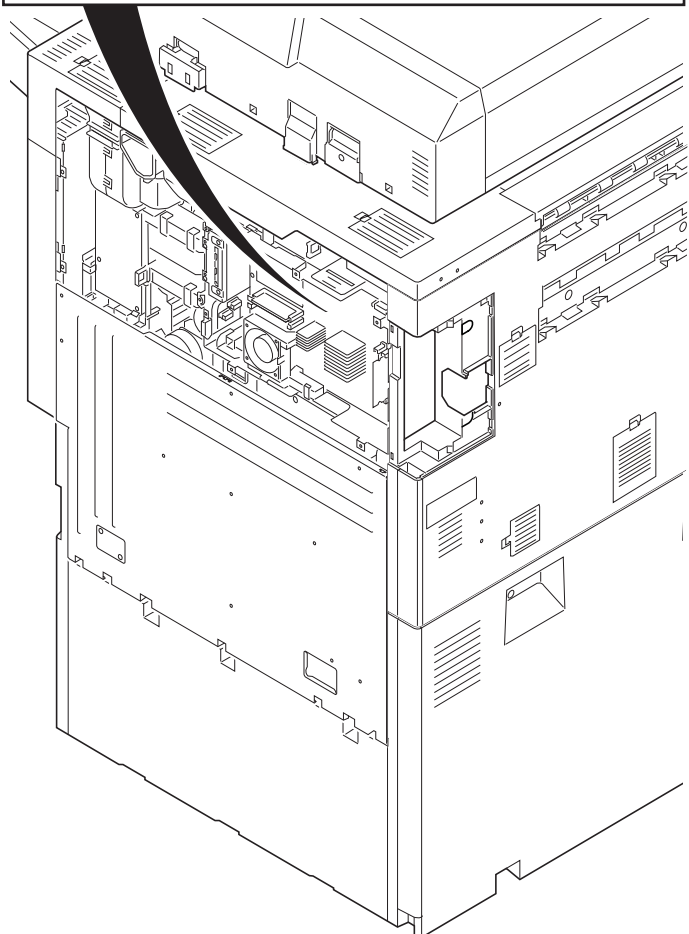
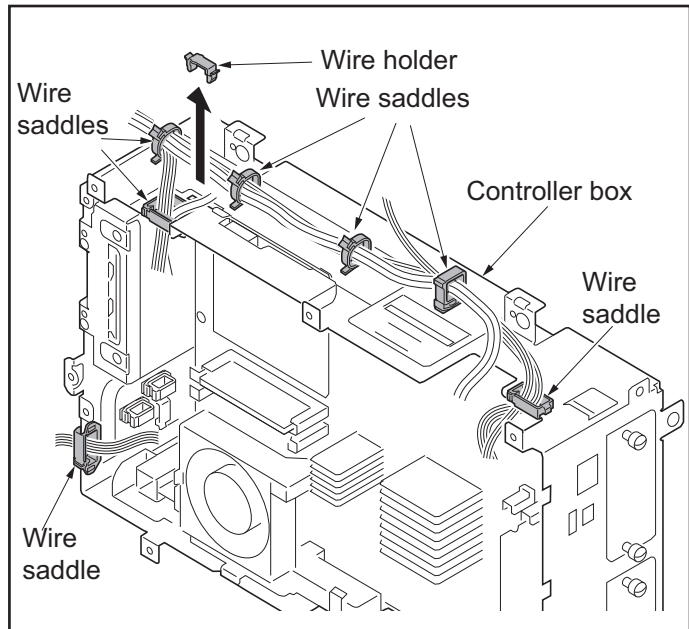


Figure 1-2-70

7. Remove the connector from the DP relay PWB,
8. Remove the following connectors that connected to the main PWB from the outside of the control box.
 YC25
 YC11
 YC30
 YC24
 YC3 (FFC connector with a lock)
 YC17 (BK)
 YC21 (WH)
 YC12
 YC18

- *: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see figure a).
- *: When connecting an FFC furnished with the protrusions at both ends, address the side with a blue-colored tape towards the locking lever, insert the FFC into the connector until the protrusions are recessed, and raise the lock lever to lock the FFC (see figure b).

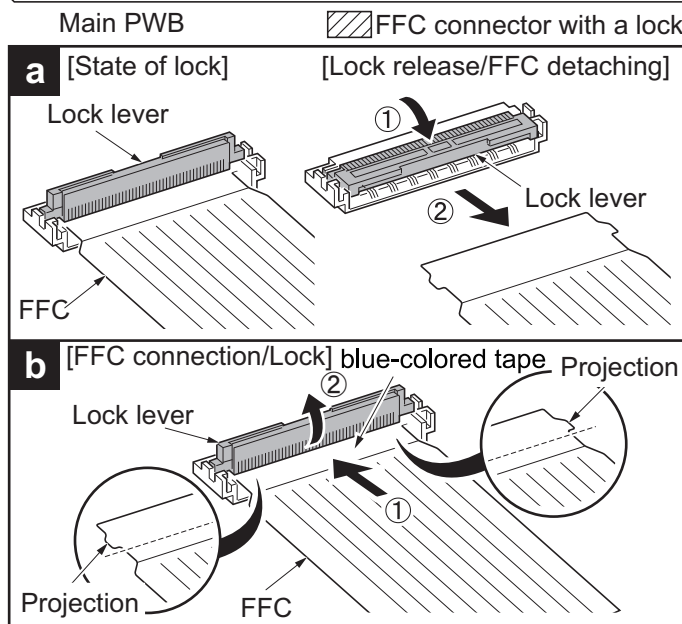
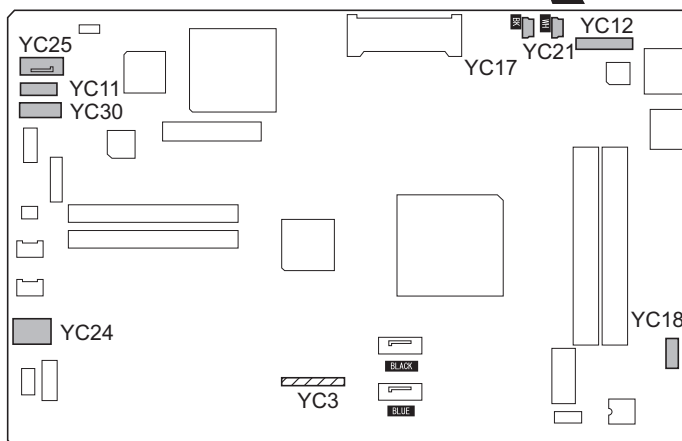
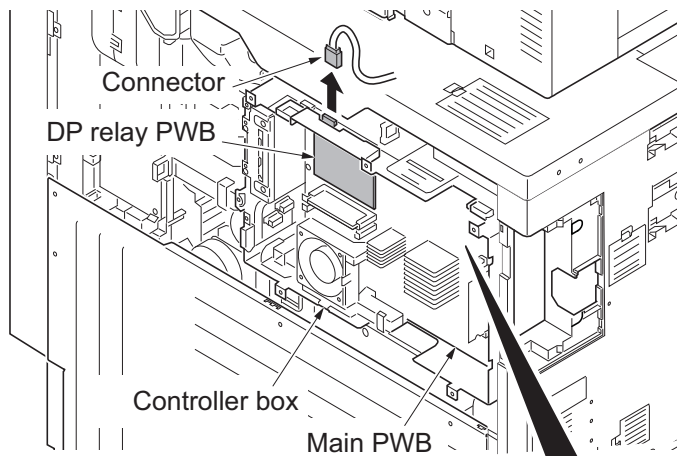


Figure 1-2-71

9. Remove five screws.
10. Unhook two hooks and then remove the controller box.

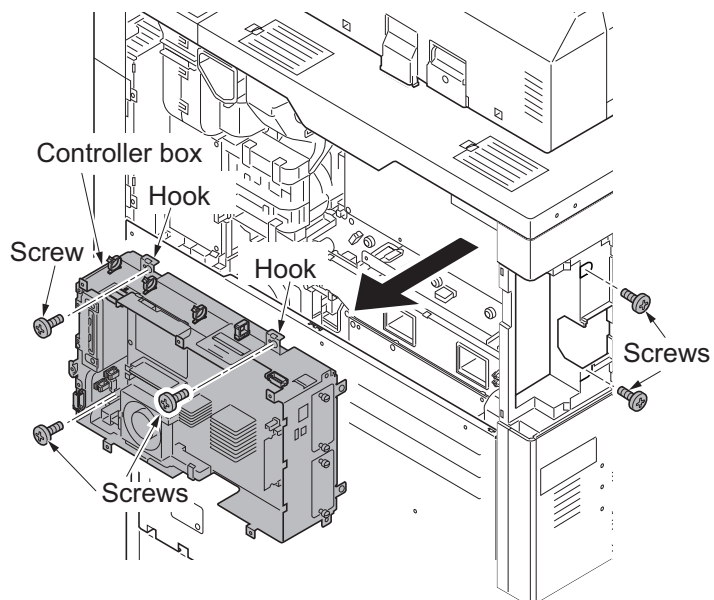


Figure 1-2-72

11. Remove the screw and then remove the operation mount cover C.

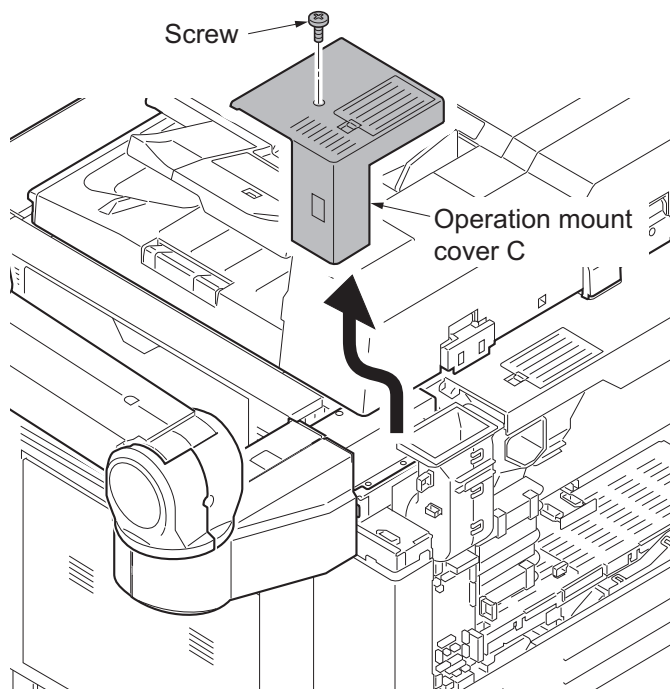


Figure 1-2-73

12. Cut out the aperture plate on the operation mount cover C using nippers.

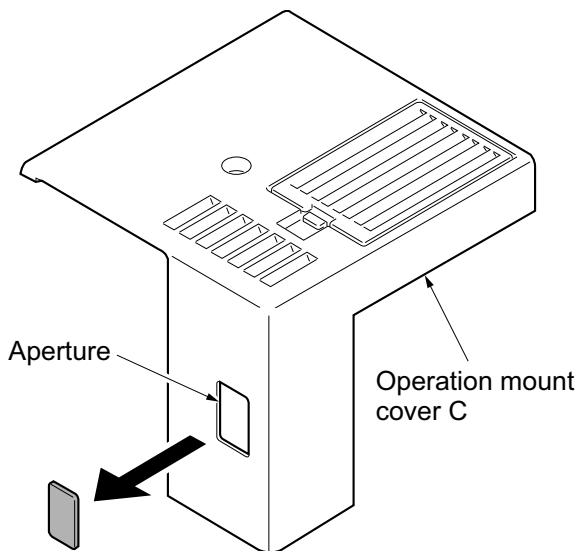


Figure 1-2-74

13. Pass the MK-2 signal cable through the aperture in the operation mount cover C.

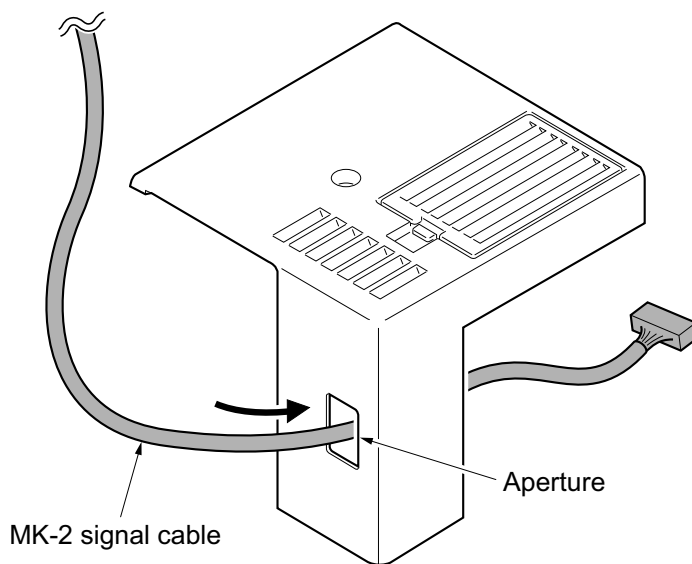
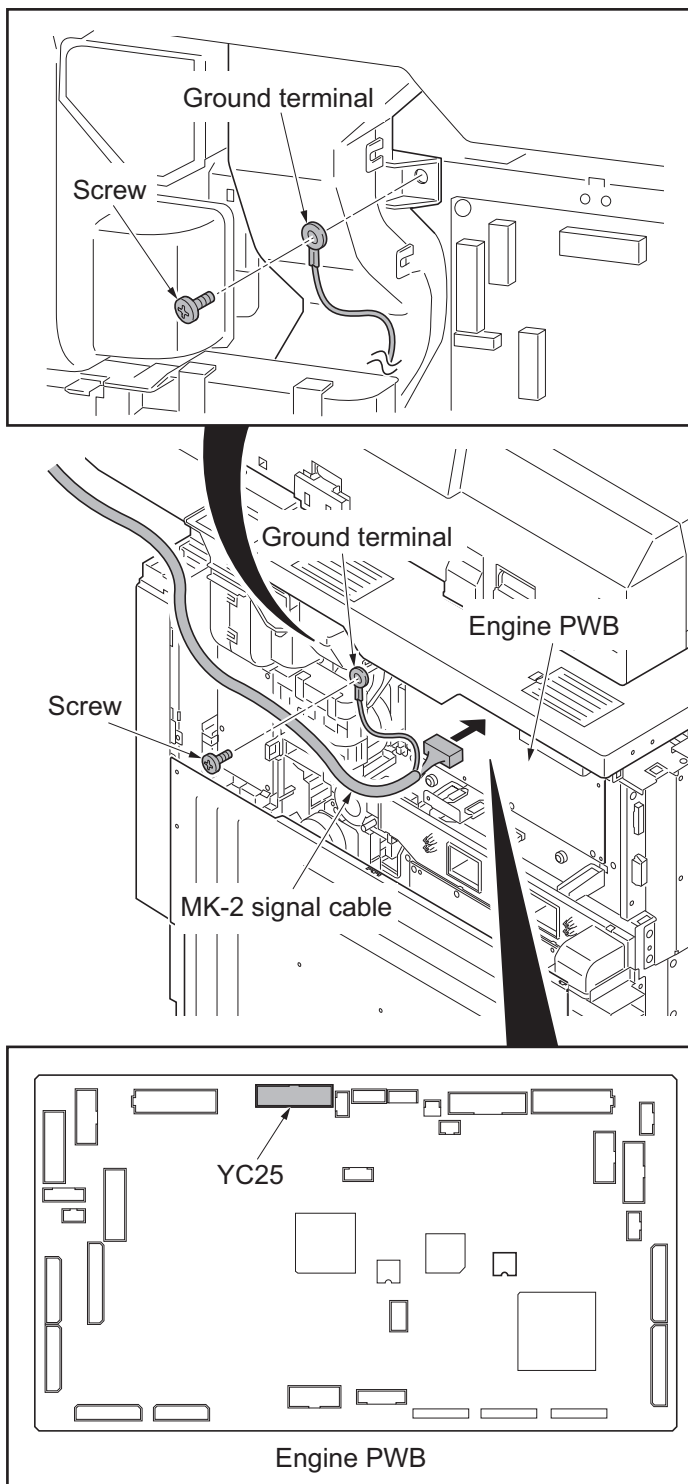


Figure 1-2-75

14. Connect the connector of the MK-2 signal cable to the connector YC25 on the engine PWB.
15. Remove the screw from the machine.
16. Fix the MK-2 signal cable to the ground terminal with the screw that was removed.

**Figure 1-2-76**

17. Remove two wire holders.
18. Route the MK-2 signal cable through the wire guide and fix it at two wire holders.
19. Refit the operation mount cover C.
20. Refit the controller box.
21. Refit the left upper cover and the rear upper cover.

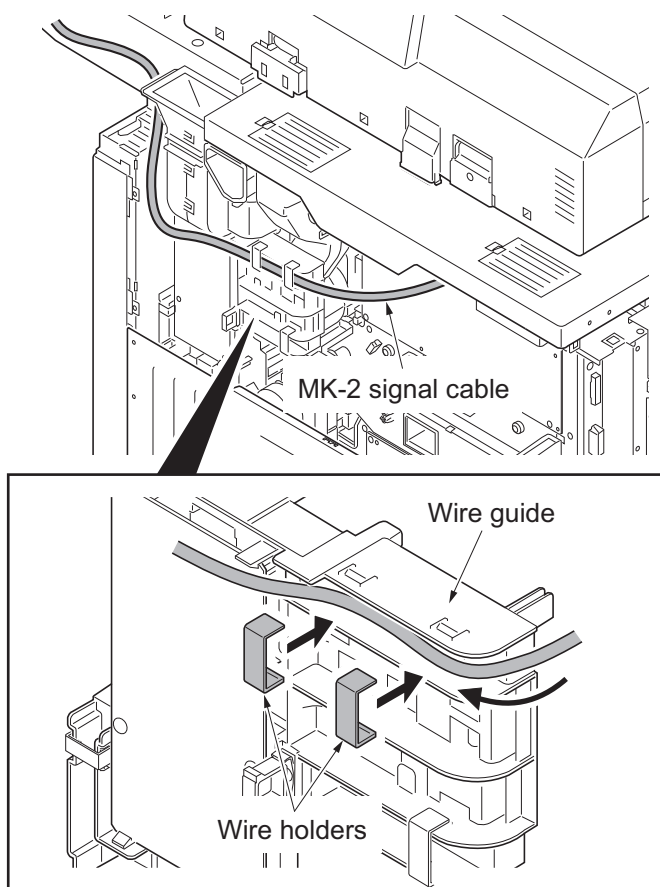


Figure 1-2-77

22. Peel the protective pad and then affix two tray films over the tray mount.

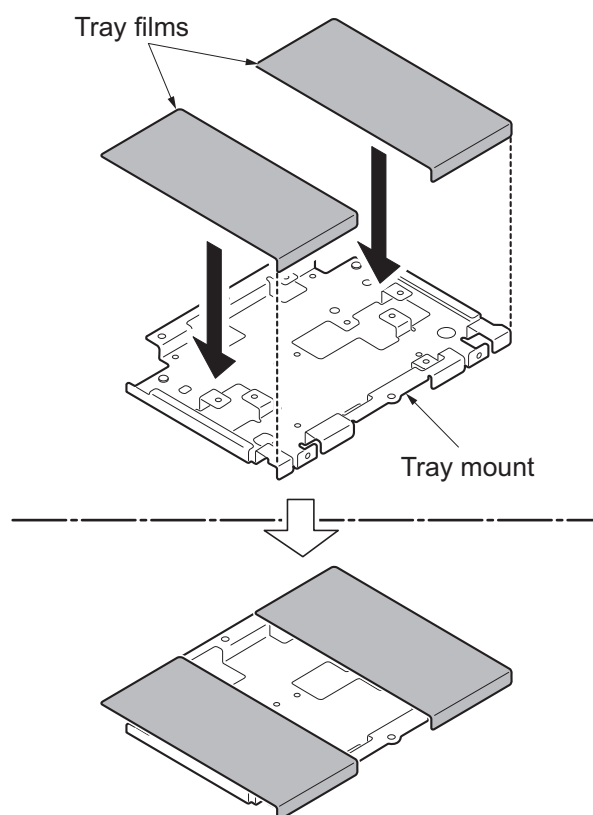


Figure 1-2-78

23. Fit the tray mount to the operation arm using two M4 x 20 tap-tight S screws.

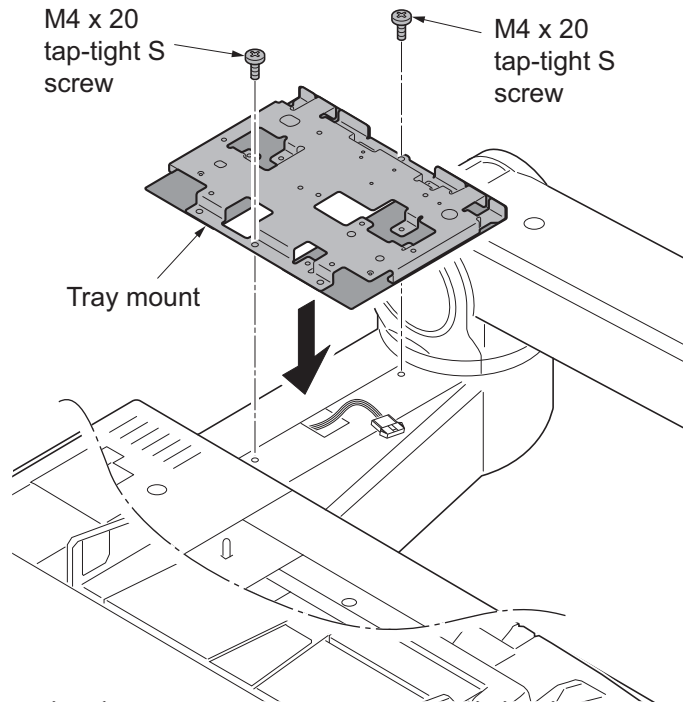


Figure 1-2-79

24. Fit the tray cover to the tray stay using two M4 x 8 screws.

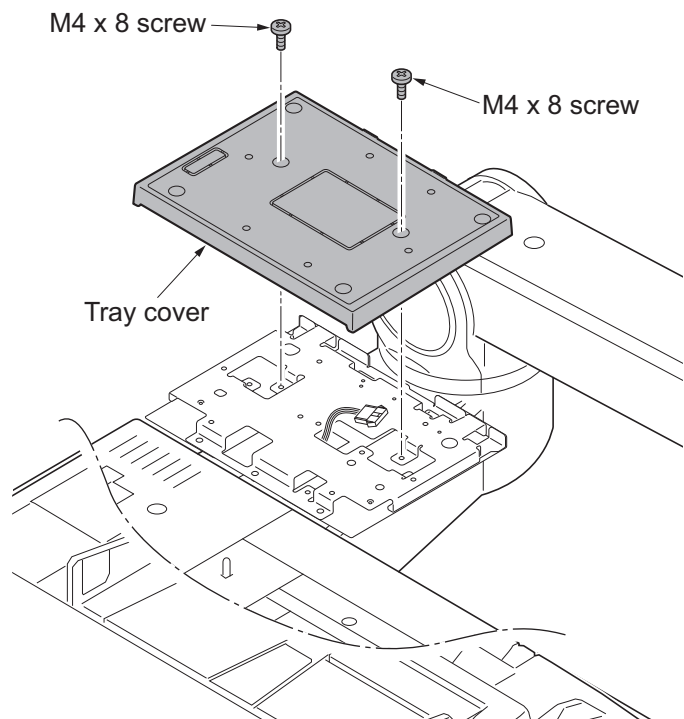


Figure 1-2-80

25. Remove the four screws securing the MK-2 cover; attach the MK-2 mount to the MK-2, and secure using the four screws.

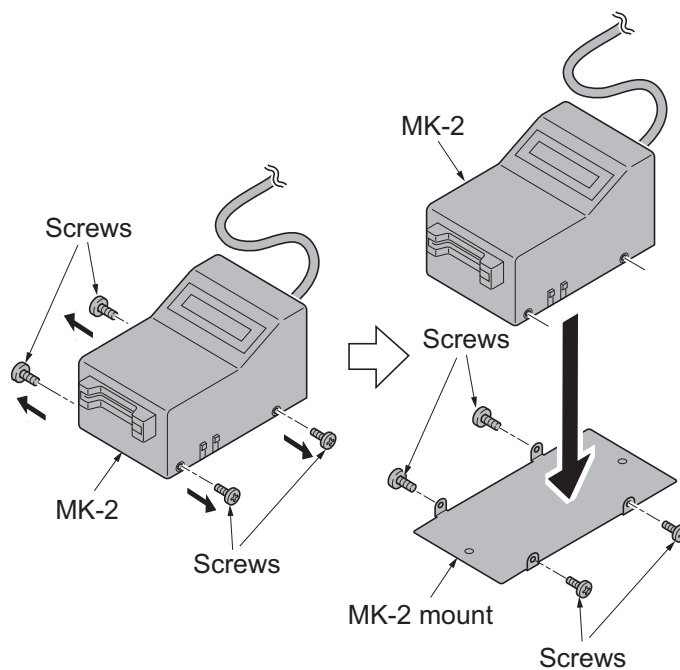


Figure 1-2-81

26. Fit the MK-2 to the tray cover using two M4 x 20 tap-tight S screws.
27. Turn the main power switch on and enter the maintenance mode.
28. Run maintenance item U204 and select [Key-Card] (see page 1-3-95).
29. Exit the maintenance mode.

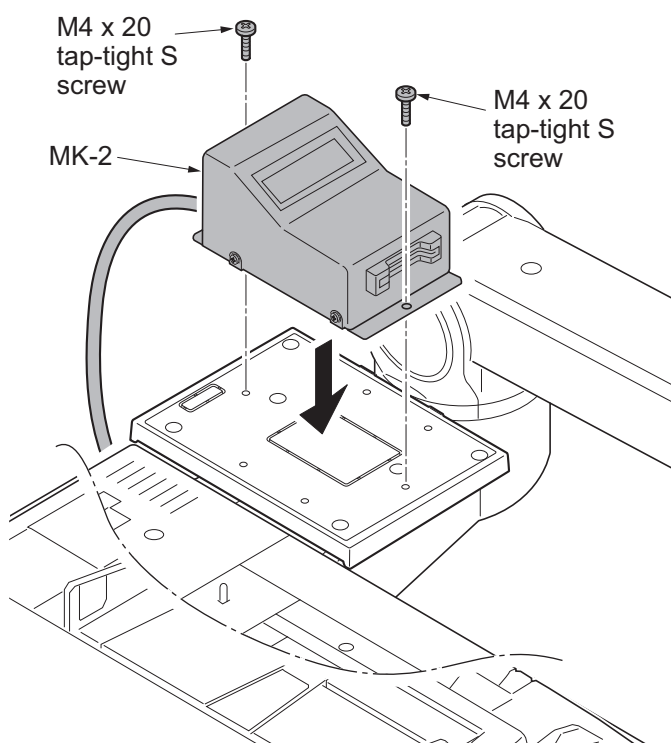


Figure 1-2-82

1-2-5 Installing the KMAS (option for japan only)

KMAS installation requires the following parts:

Using the PHS module

Parts	Quantity	Part.No.
PHS module	1	HM000080 (option)
PHS signal cable	1	023CK200 (option)
KMAS interface PWB	1	023CK000 (option)
M3 x 16 bronze binding screw	2	B3323160
Ferrite core	1	2A027770
Clamp	1	M2105910
KMAS wire set	1	302K994610

Supplied parts of KMAS wire set (302K994610):

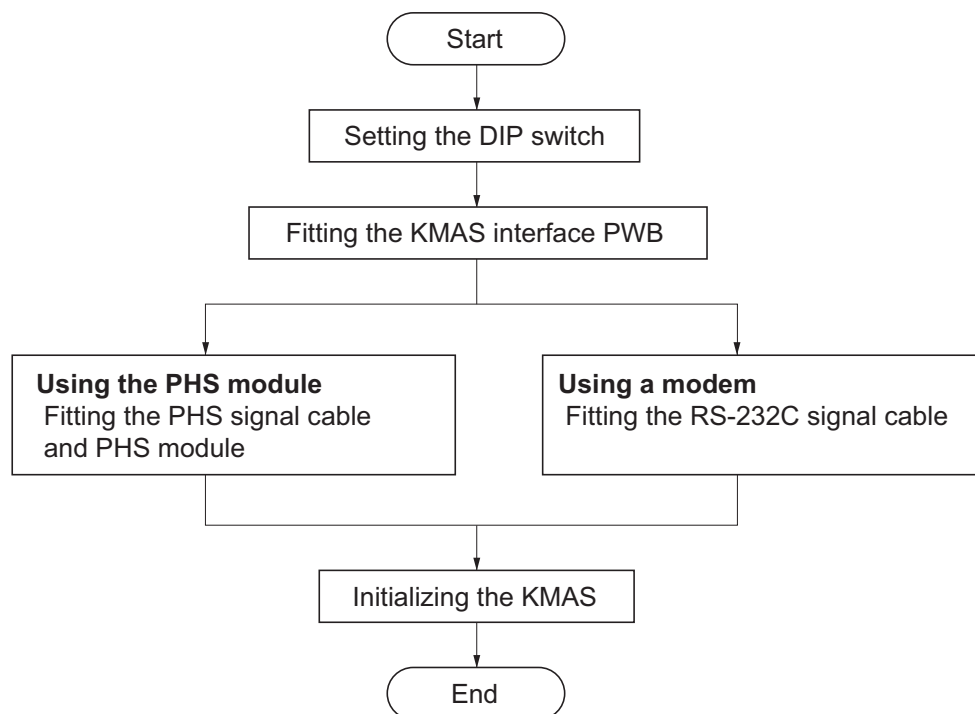
Parts	Quantity	Part.No.
KMAS wire	1	302K946AG0
Spacer A	1	7YZM510009++H01
Spacer B	3	7YZM510011++H01

Using a modem

Parts	Quantity	Part.No.
RS-232C signal cable	1	303CK60011
RS-232C relay cable	1	303CK60041
KMAS interface PWB	1	023CK000 (option)

Procedure

To fix KMAS, perform the following procedure:



Setting the DIP switch

1. Configure DIP switches 1 to 4 on the KMAS interface board as follows:

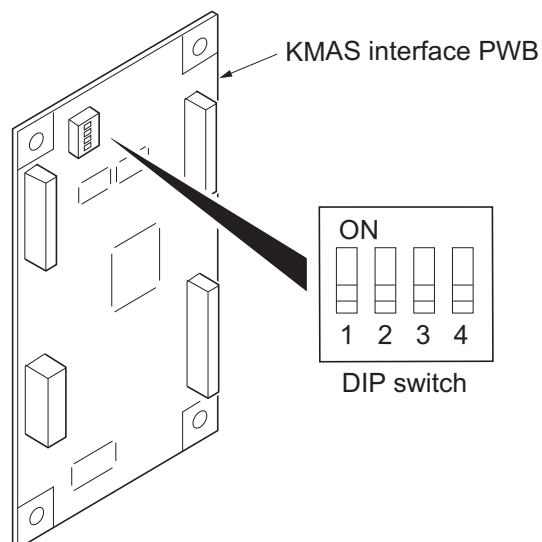


Figure 1-2-83

DIP SW No.	Description	Remarks
1	PHS module/modem switching ON: Use modem OFF: Use PHS module	
2	Modem outgoing switching ON: Pulse OFF: Tone	This is required when modem is used.
3	Communication speed switching with the device ON: 9600bps OFF: 19200bps	Set to OFF.
4	Communication log when automatically notifying service calls Switching messages ON: Message is fixed OFF: Normal message is used	When ON, the message is "Call a service representative." When OFF, the message will vary depending on communication status. To setup the system with automatic accounting only, ON may be set.

Fitting the KMAS interface PWB

- Remove eight screws and then remove the rear upper cover.

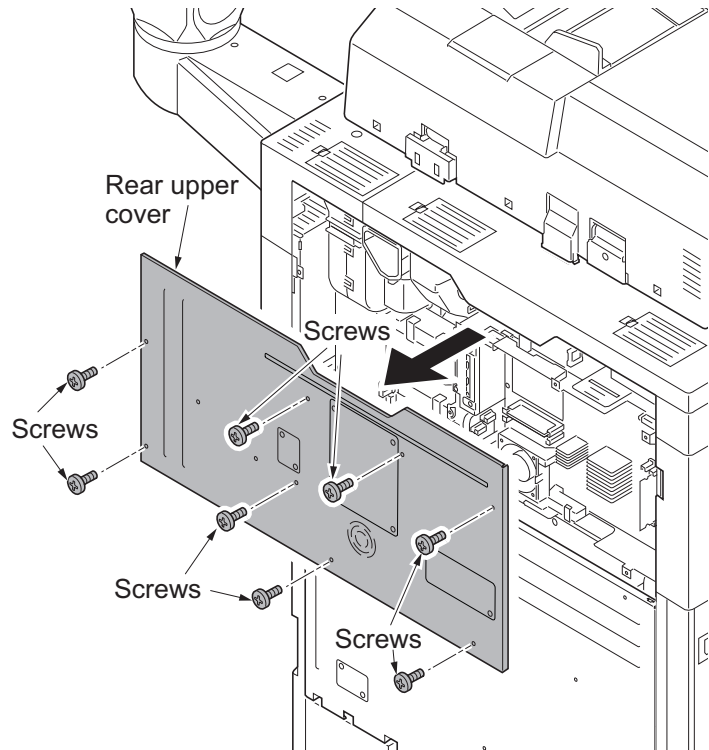


Figure 1-2-84

- Attach one spacer A and three spacers B to the side of the controller box.

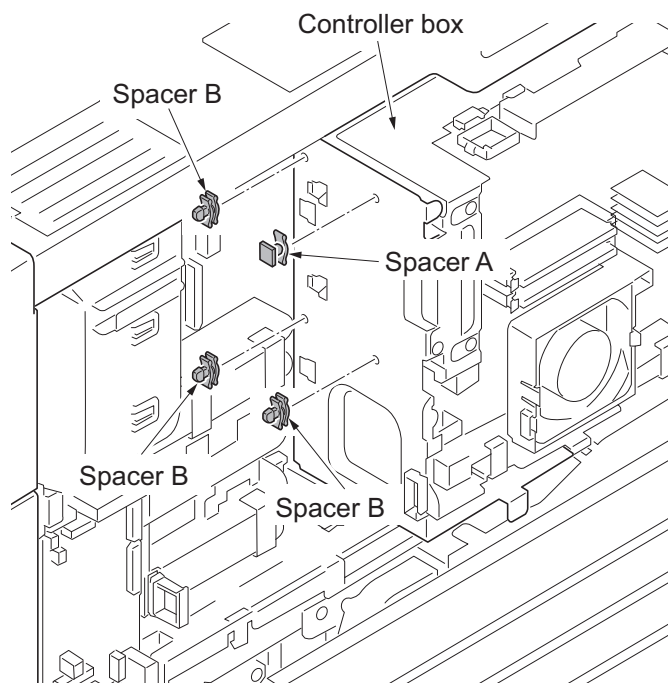


Figure 1-2-85

4. Insert the KMAS interface PWB to three spacers B.

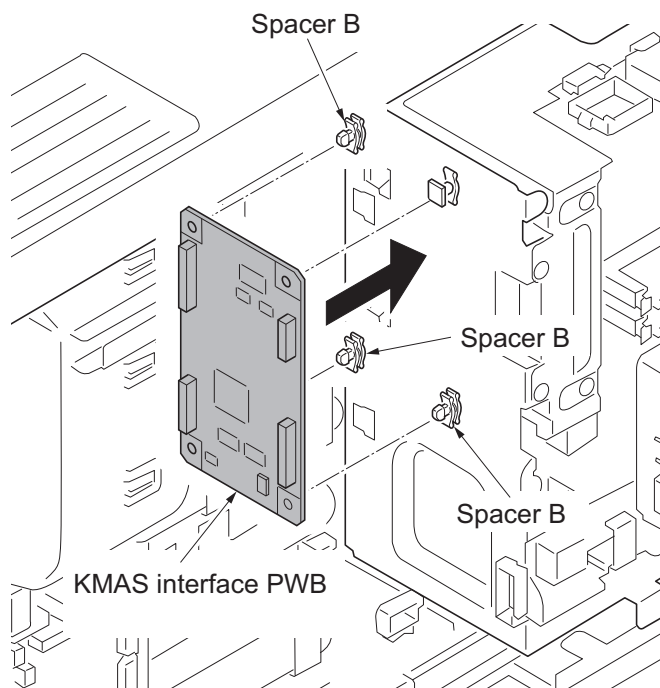
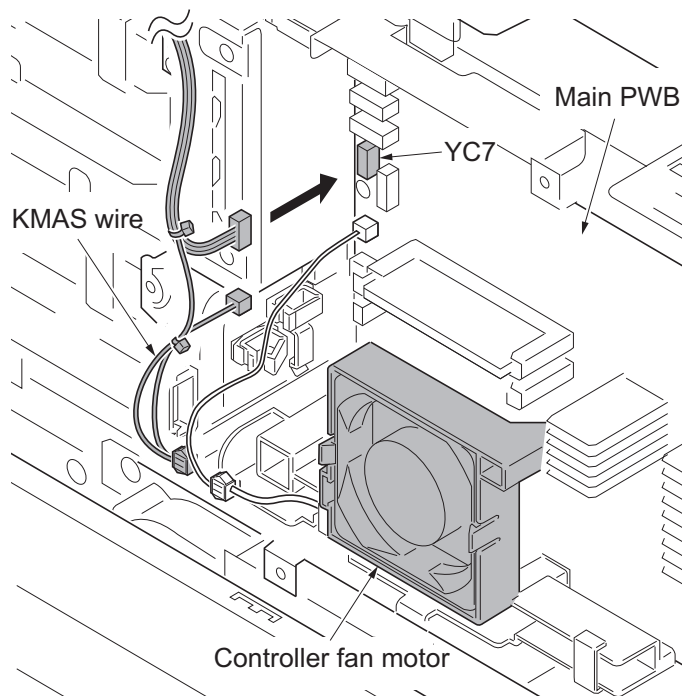
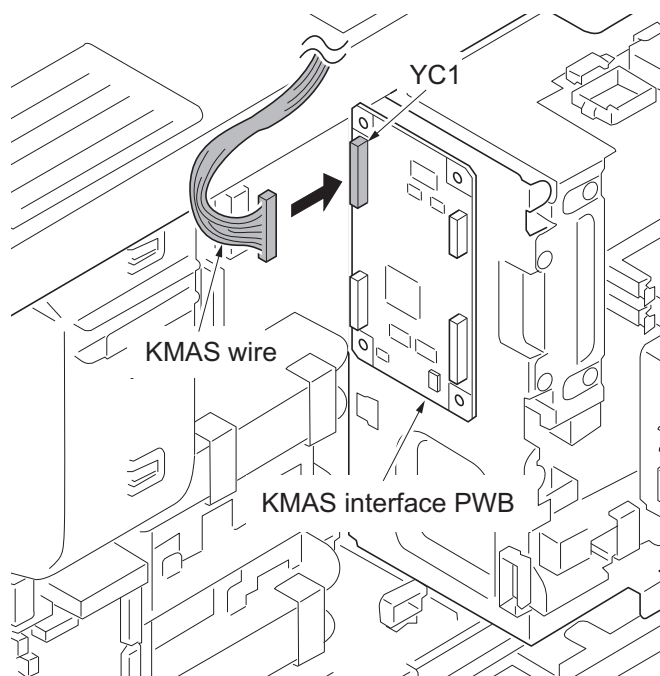


Figure 1-2-86

5. Connect the connector of the KMAS wire to the connector YC1 on the KMAS PWB.
6. Connect the connector of the KMAS wire to controller fan motor, YC7 and YC23 on the main PWB.

**Figure 1-2-87**

7. Pass the KMAS wire through the edging of the controller box and wire saddle and then fasten the KMAS wire.

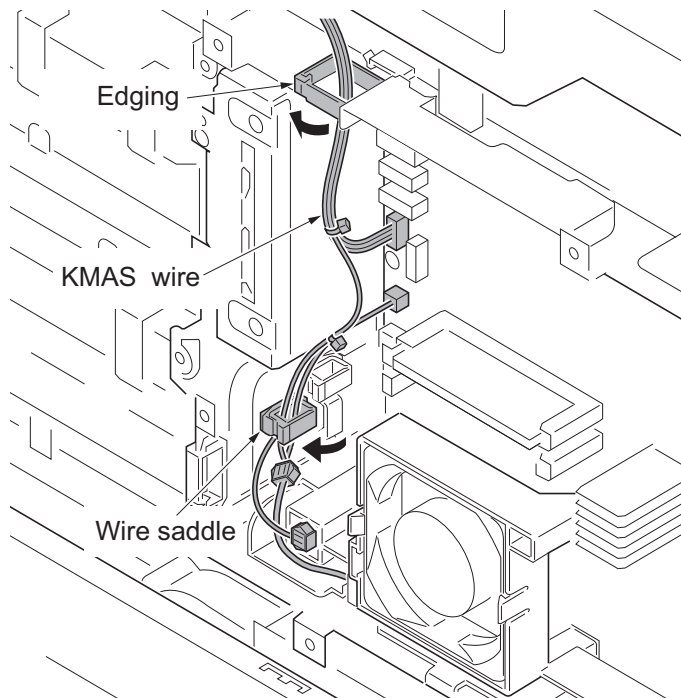


Figure 1-2-88

Fitting the PHS signal cable and PHS module

8. Remove two screws and then remove the lid from the rear upper cover.
9. Pass the PHS signal cable through the aperture in the rear upper cover.
10. Secure the PHS signal cable to rear upper cover with two screws.

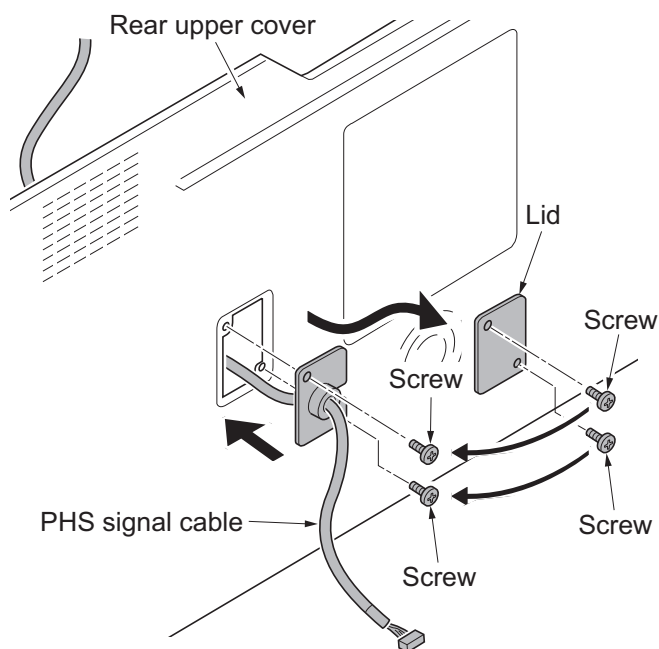


Figure 1-2-89

11. Connect the connector of the PHS signal cable to the connector YC2 on the KMAS interface PWB.
12. Refit the rear upper cover.

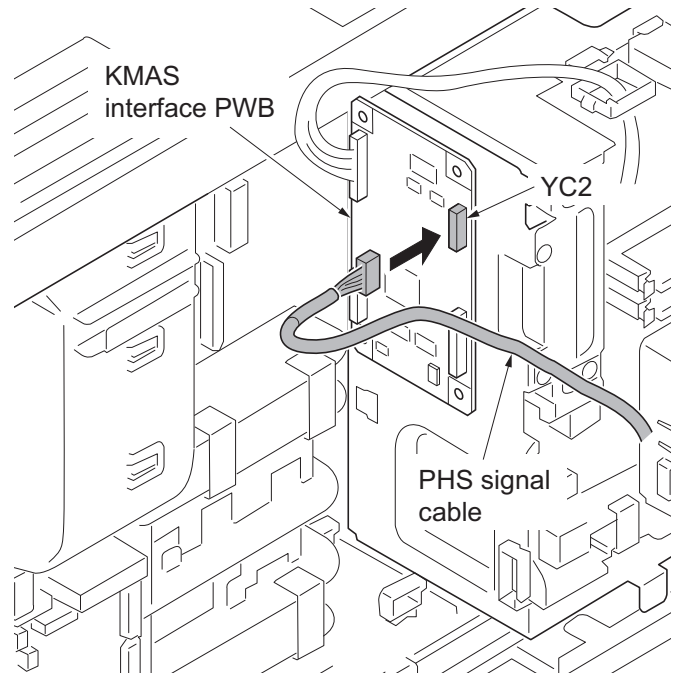


Figure 1-2-90

13. Fit the PHS module to rear upper cover using two M3 x 16 screws.

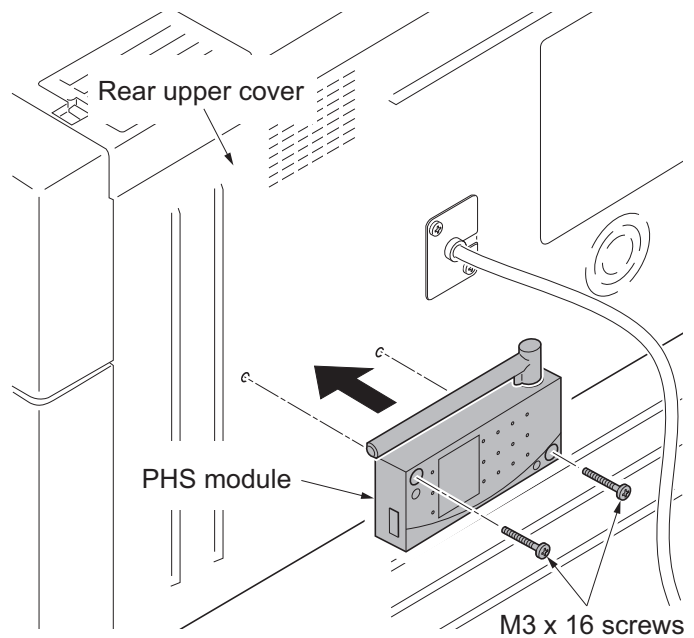


Figure 1-2-91

14. Wrap the PHS signal cable around the ferrite core a turn.
15. Connect the connector of the PHS signal cable to PHS module.
16. Fit the clamp to PHS signal cable.
17. After using alcohol to clean the rear upper cover, adhere the clamp to rear upper cover.

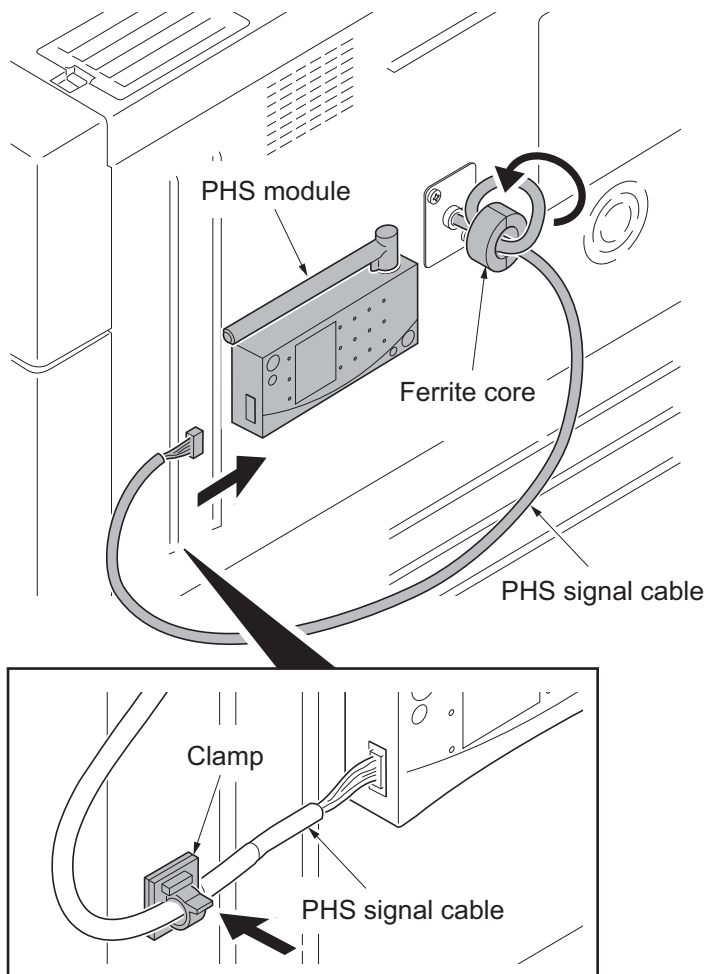


Figure 1-2-92

Fitting the RS-232C signal cable

1. By referring to the instructions given to fix the PHS signal wire, insert the connector at the end of the RS-232C relay cable to the YC3 connector on the KMAS interface PWB.
If the wire length is short, use a RS-232C extension cable.
2. Connect the RS-232C signal cable to the modem.

Initializing the KMAS

1. Turn the main power switch on and enter the maintenance mode.
2. Run maintenance item U202 and Performs [Init/Set TEL No.] (see page 1-3-93).
3. Exit the maintenance mode.

1-2-6 Installing the coin vender (option for japan only)

Coin vender installation requires the following parts:

Parts	Quantity	Part.No.
Coin vender	1	1905H99JP0 (option)
Vender wire	1	Supplied with coin vender
Vender base	1	
M4 x 6 screw	4	
Ferrite core	1	
Clamp	1	
Vender signal cable	1	302K946AE0

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Fit the vender base to coin vender using four M4 x 6 screws.

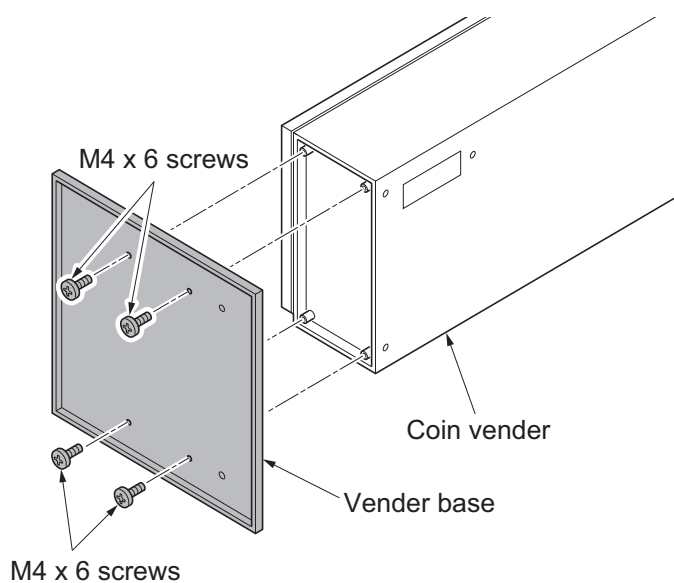


Figure 1-2-93

- Remove eight screws and then remove the rear upper cover.

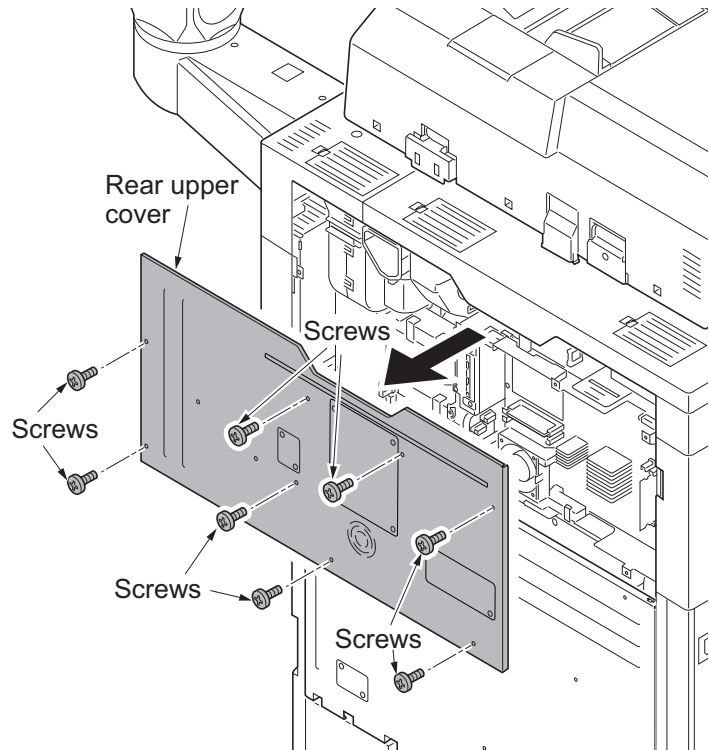


Figure 1-2-94

- Remove nine screws.
- Release two hanging parts and then remove the rear lower cover.

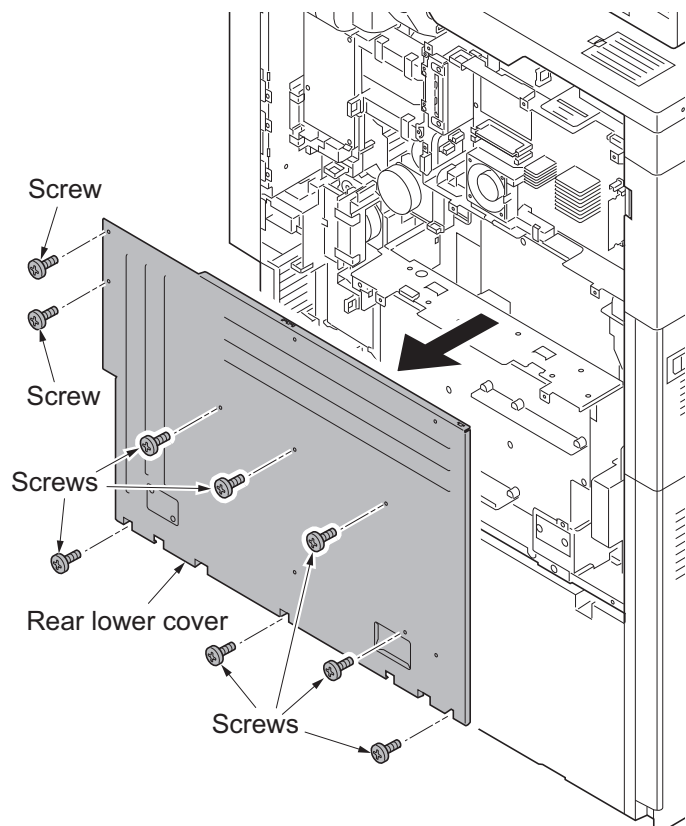


Figure 1-2-95

- Remove two screws and then remove the lid.

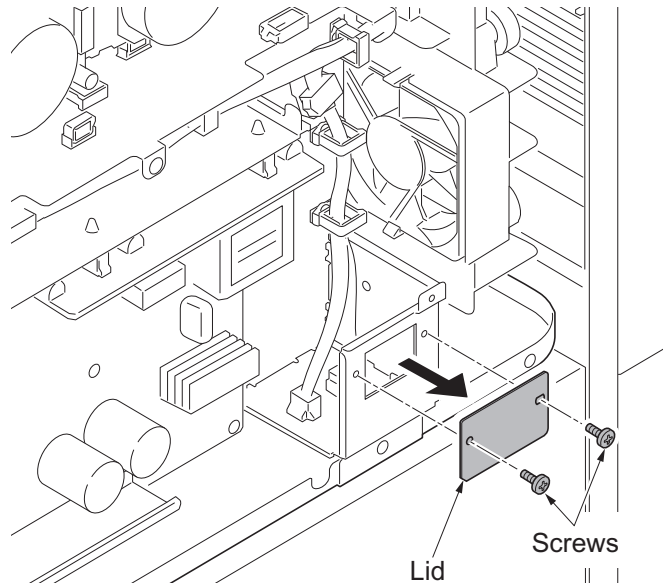


Figure 1-2-96

- Connect the connector of the vender signal cable to the connector YC23 on the engine PWB.
- Pass the vender signal cable through the nine wire saddles and then fasten the cable.

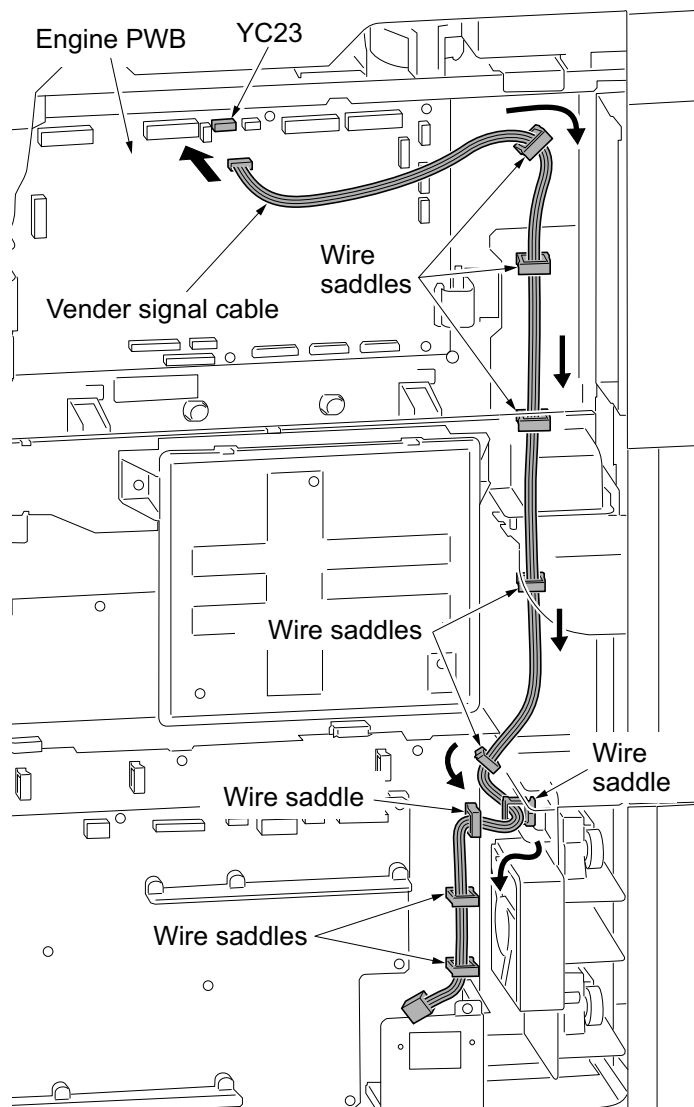


Figure 1-2-97

9. Pass the vender wire through the aperture in the IF mount.
10. Secure the vender wire with two screws removed in step 10.
11. Secure the ground terminal of the vender wire to rear frame with the screw.
12. Connect the connector of the vender wire to connector of the vender signal cable.

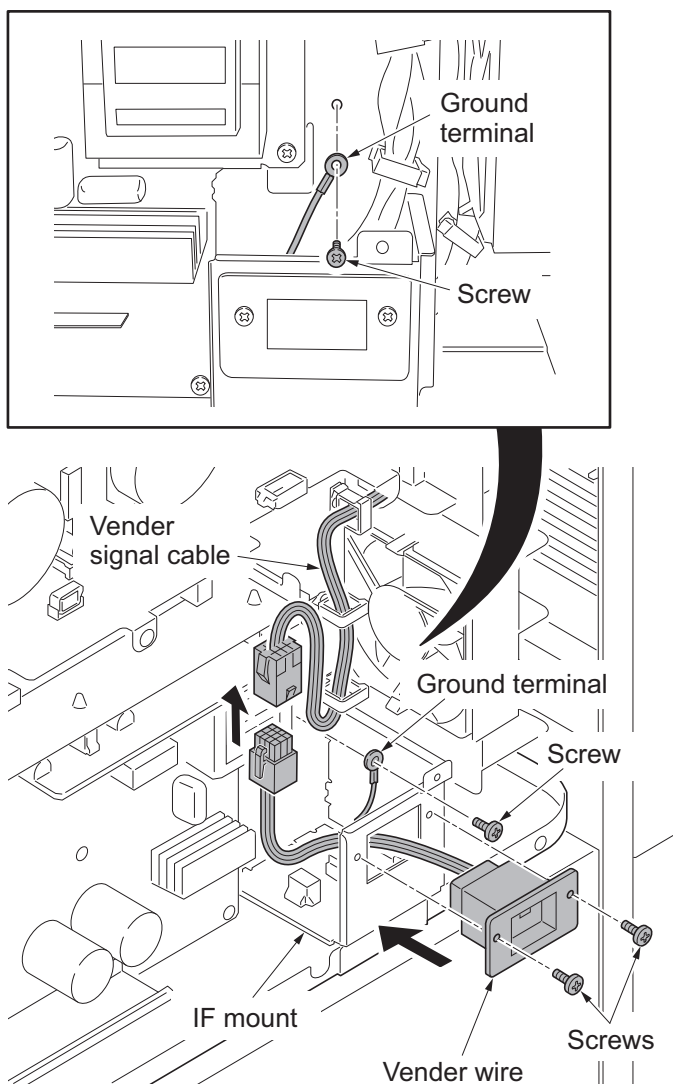


Figure 1-2-98

13. Refit the rear lower cover and rear upper cover.
14. Connect the signal cable of coin vender to connector of the vender wire.

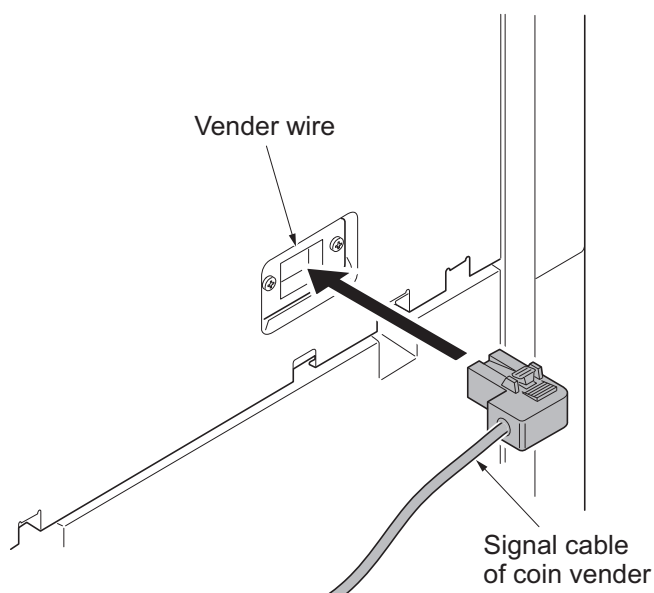


Figure 1-2-99

15. Fit the ferrite core to signal cable of coin vender.
16. Fit the clamp to signal cable of coin vender.
17. Remove a screw from the coin vender and fix the coin vender with a clamp.

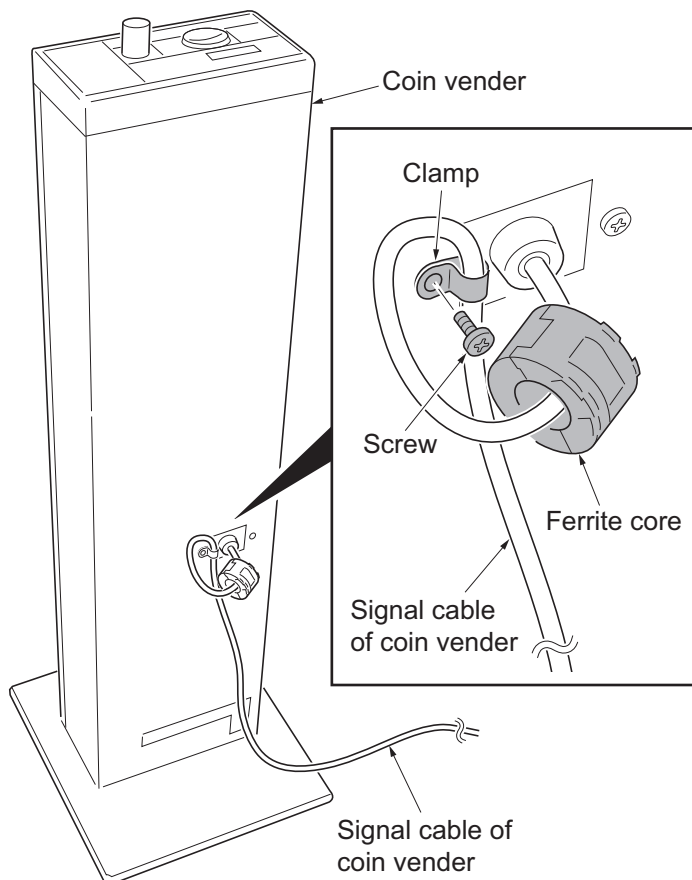


Figure 1-2-100

18. Affix the price size decal at the right side of the coin vender operation panel.

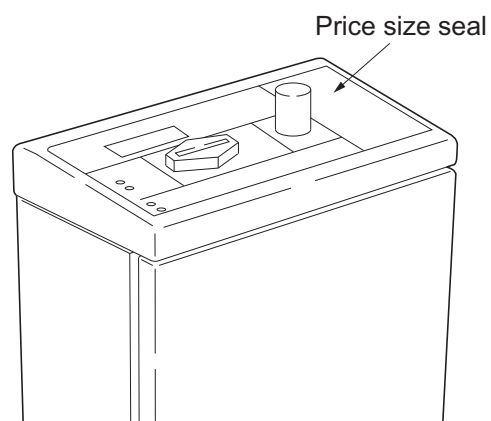


Figure 1-2-101

19. Turn the main power switch on and enter the maintenance mode.
20. Run maintenance mode U206 and activate 'Coin vender is installed.' Continue configuring the coin vender required (see page 1-3-96).
21. Exit the maintenance mode.

1-2-7 Installing the cassette heater (option)

Cassette heater installation requires the following parts:

120 V specifications

Parts	Quantity	Part.No.
Cassette heater set (for cassette 1 and 2)	1	302K994931
Cassette heater set (for cassette 3 and 4)	1	303NF94130

Supplied parts of cassette heater set (302K994931):

Parts	Quantity	Part.No.
Cassette heater 120V	1	302H794620
Wire saddle	3	7YZM610001++H0
Connector cover	1	303NF04140
M3 x 8 tap-tight S screw	2	7BB700308H
M4 x 8 tap-tight S screw	1	7BB700408H
Caution label	1	302KP34220

Supplied parts of cassette heater set (303NF94130):

Parts	Quantity	Part.No.
Cassette heater 120V	1	302H794620
Wire saddle	3	7YZM610001++H1
Connector cover	1	303NF04140
M3 x 8 tap-tight S screw	2	7BB700308H
M4 x 8 tap-tight S screw	1	7BB700408H
Caution label	1	302KP34220

220 - 240 V specifications

Parts	Quantity	Part.No.
Cassette heater set 240V (for cassette 1 and 2)	1	302K994941
Cassette heater set 240V (for cassette 3 and 4)	1	303NF94140

Supplied parts of cassette heater set (302K994941):

Parts	Quantity	Part.No.
Cassette heater 240V	1	302H794610
Wire saddle	3	7YZM610001++H1
Connector cover	1	303NF04140
M3 x 8 tap-tight S screw	2	7BB700308H
M4 x 8 tap-tight S screw	1	7BB700408H
Caution label	1	302KP34220

Supplied parts of cassette heater set (303NF941410):

Parts	Quantity	Part.No.
Cassette heater 240V	1	302H794610
Wire saddle	3	7YZM610001++H1
Connector cover	1	303NF04140
M3 x 8 tap-tight S screw	2	7BB700308H
M4 x 8 tap-tight S screw	1	7BB700408H
Caution label	1	302KP34220

Procedure

Installing for cassette 1 and 2

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Pull the cassette 1 forward.
3. Draw out Cassette 1 by releasing the release lever.

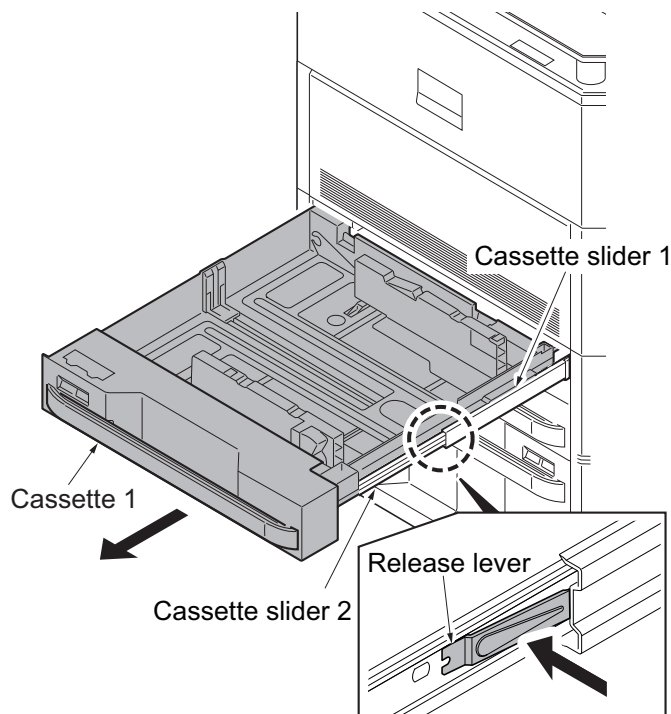


Figure 1-2-102

4. Pull the cassette 2 forward.
5. Draw out Cassette 2 by releasing the release lever.

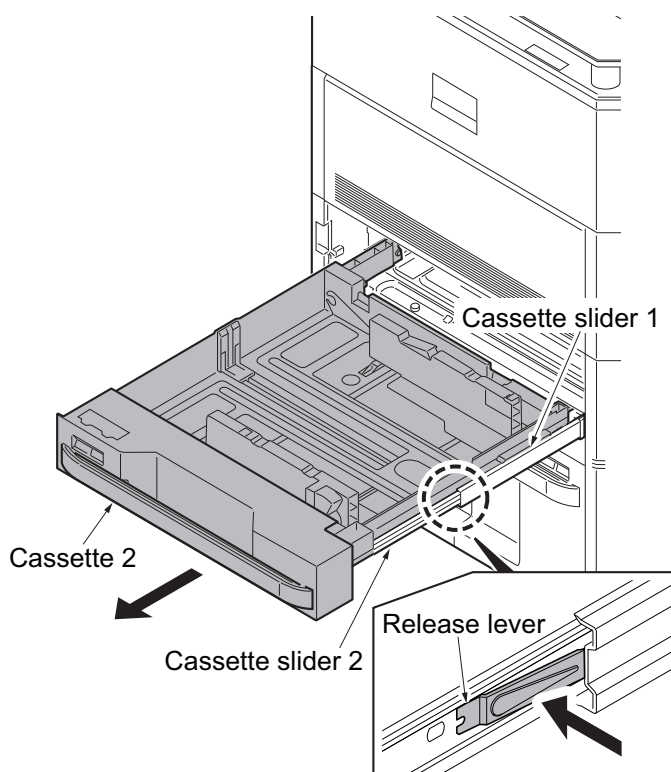


Figure 1-2-103

6. Fit three wire saddles on the bottom frame of the machine.
7. Fit the cassette heater using two M3 x 8 screws.

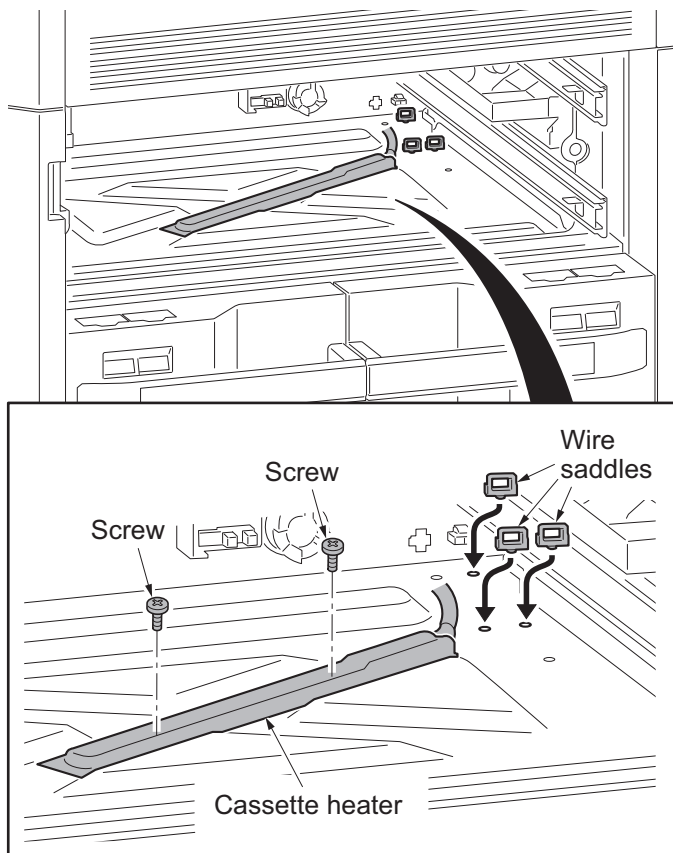


Figure 1-2-104

8. Pass the wire of the cassette heater through three wire saddles and then fasten the wire.
- *: Route the wire so that it do not disturb opening and closing the cassettes.
9. Connect the connector of the cassette heater to the connector in the rear frame of the machine.

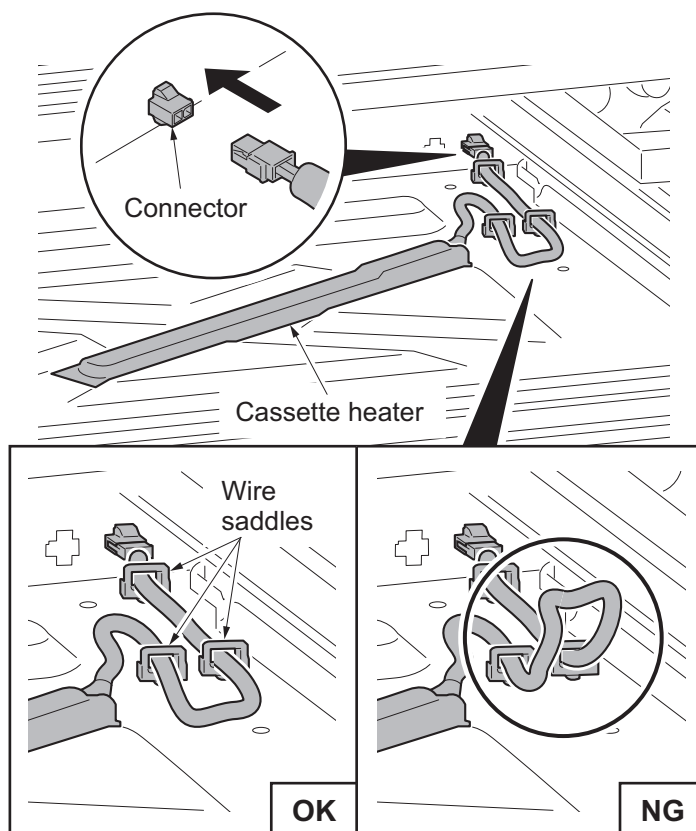
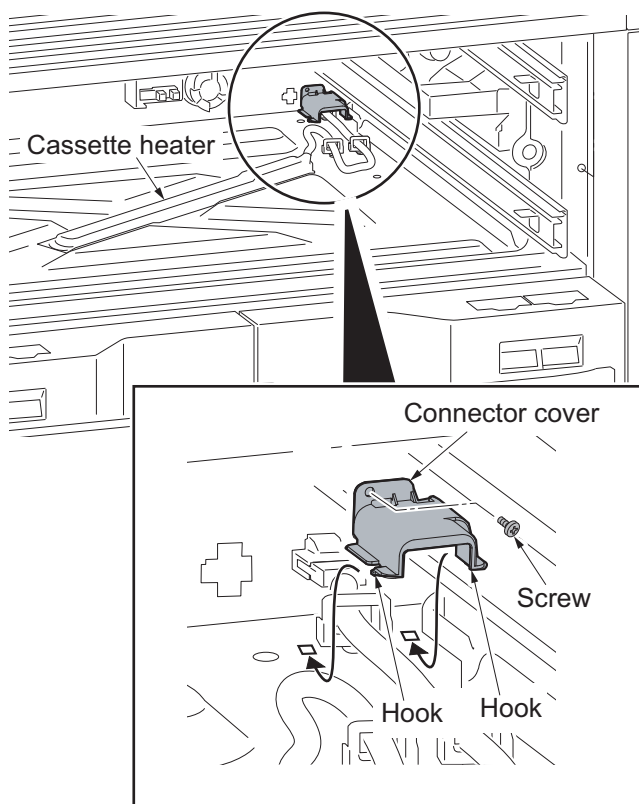
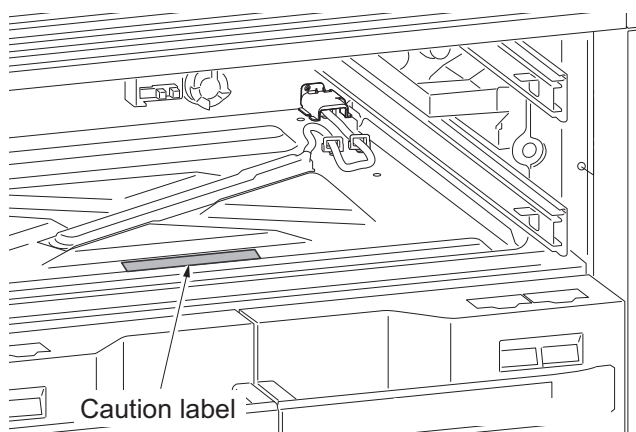


Figure 1-2-105

10. Insert two hooks of the connector cover to the holes of base of the machine each.
11. Install the connector cover by using a M4 x 8 screw.

**Figure 1-2-106**

12. Adhere the caution label after wiping the bottom frame of this side of cassette heater with alcohol.

**Figure 1-2-107**

13. To install Cassette 1 and Cassette 2, align the cassette slider 2 and cassette slider 1 with each other.
14. Push the cassette in fully.

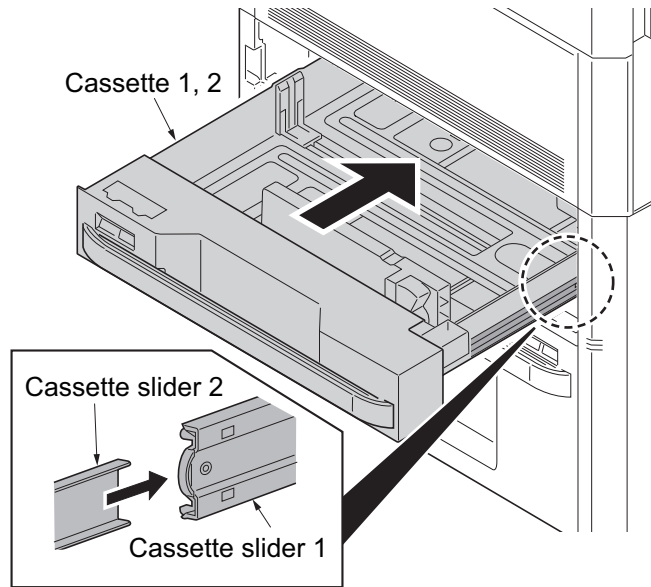
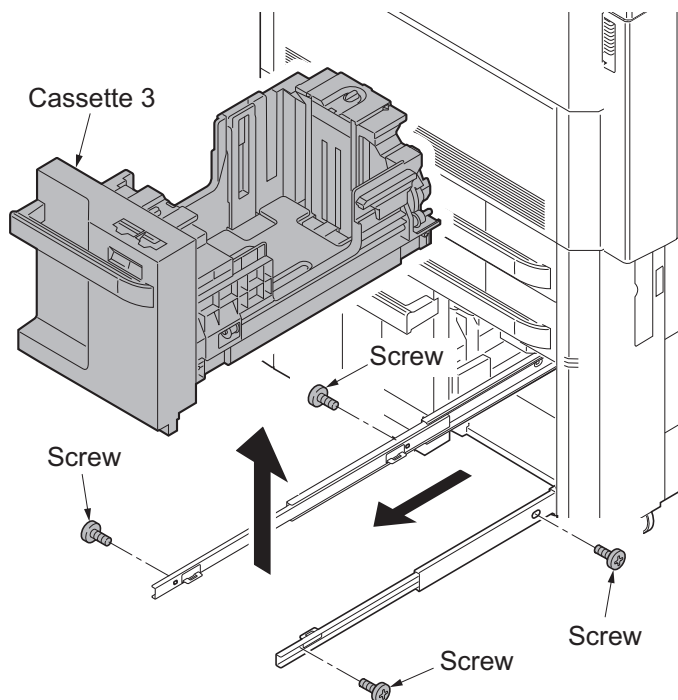


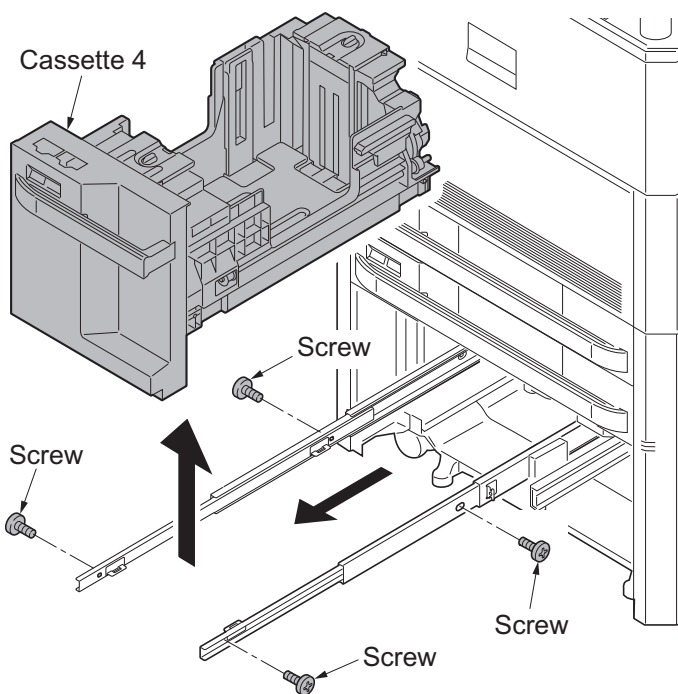
Figure 1-2-108

Installing for cassette 3 and 4

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Pull the cassette 3 forward.
3. Remove the pin and then remove the cassette 3.

**Figure 1-2-109**

4. Pull the cassette 4 forward.
5. Remove the pin and then remove the cassette 4.

**Figure 1-2-110**

6. Fit three wire saddles on the bottom frame of the machine.
7. Fit the cassette heater using two M3 x 8 screws.

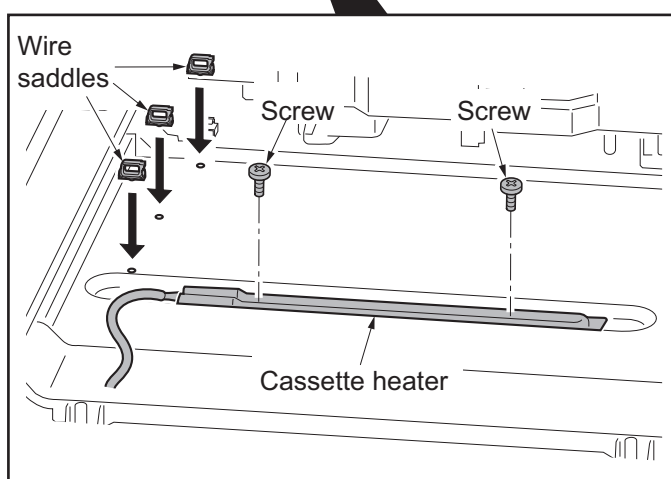
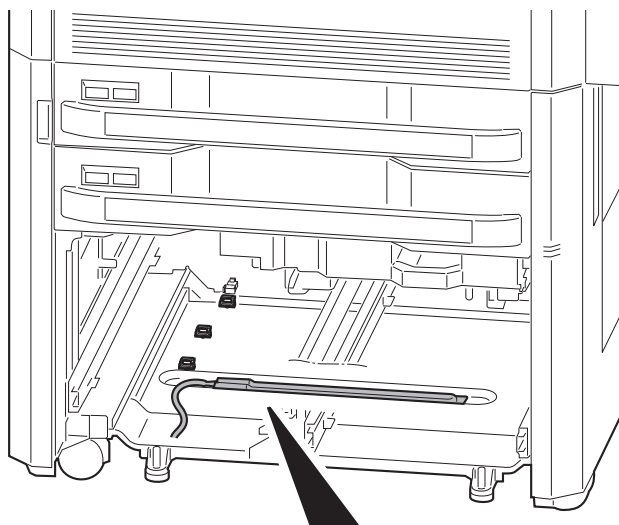


Figure 1-2-111

8. Pass the wire of the cassette heater through three wire saddles and then fasten the wire.
9. Connect the connector of the cassette heater to the connector in the rear frame of the machine.

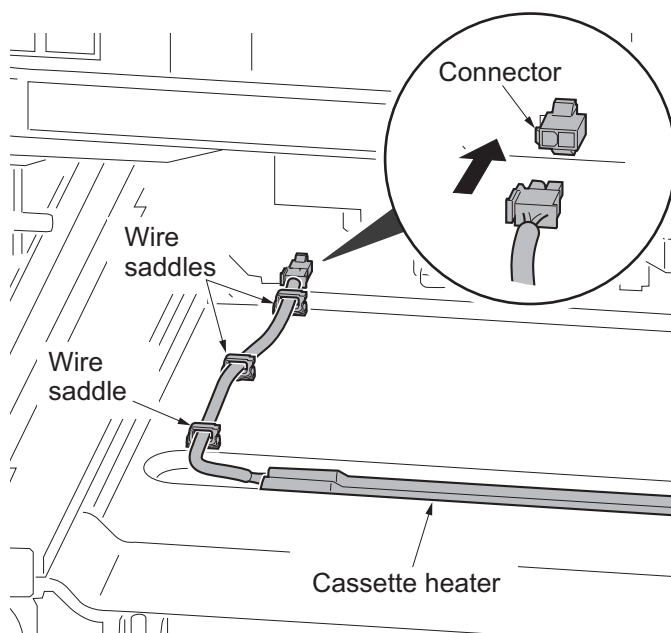
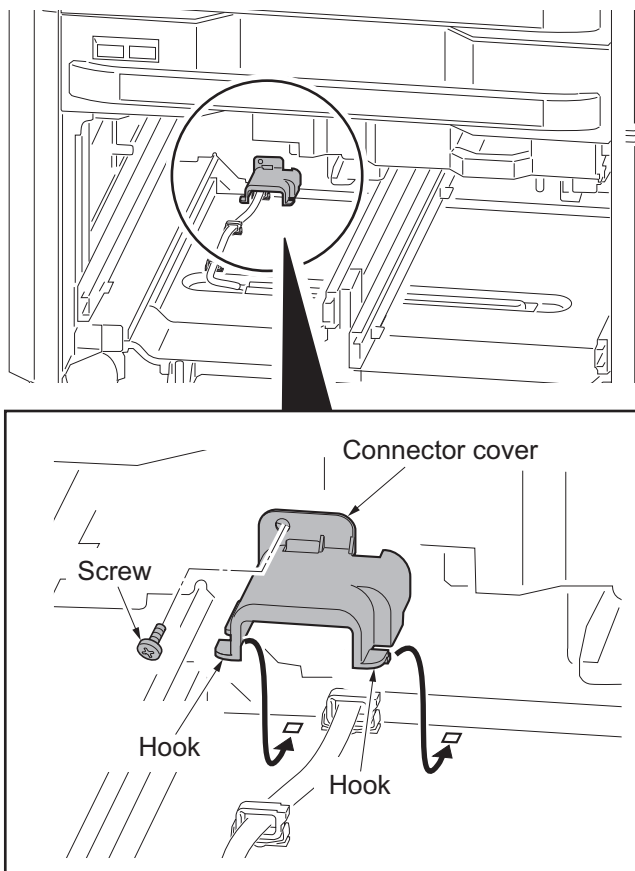
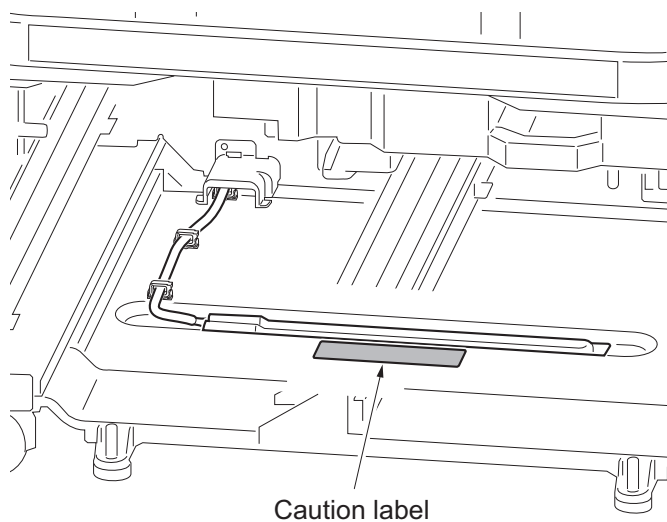


Figure 1-2-112

10. Insert two hooks of the connector cover to the holes of base of the machine each.
11. Install the connector cover by using a M4 x 8 screw.

**Figure 1-2-113**

12. Adhere the caution label after wiping the bottom frame of this side of cassette heater with alcohol.

**Figure 1-2-114**

1-2-8 Installing the gigabit ethernet board (option)

Gigabit ethernet board installation requires the following parts:

Parts	Quantity	Part.No.
Gigabit ethernet board	1	1505JV0UN0 (option)

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove the controller cover.

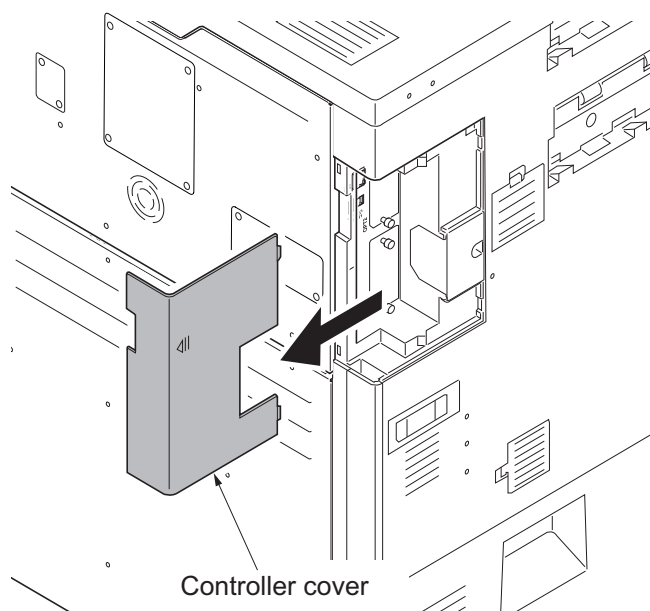


Figure 1-2-115

3. Remove two pins and then remove the slot cover of the OPT2.

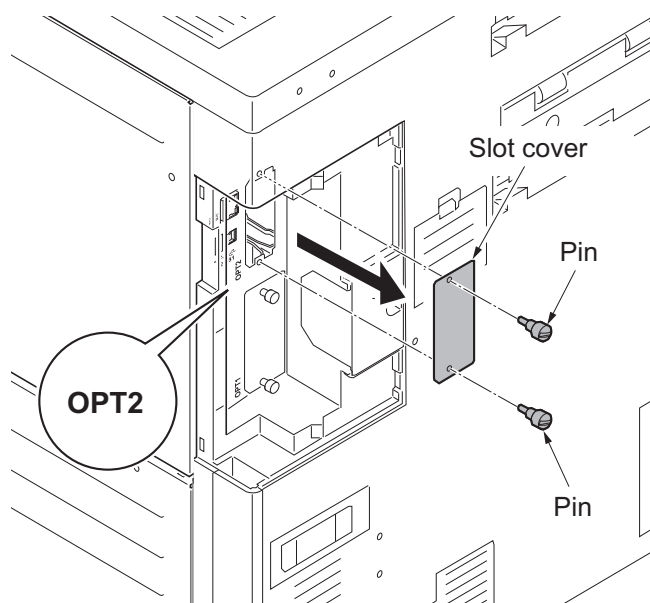


Figure 1-2-116

4. Insert the gigabit ethernet board along the groove in OPT2 and secure the board with two pins that have been removed in step 3.
- *: Do not directly touch the gigabit ethernet board terminal.
Hold the top and bottom of the gigabit ethernet board, or the projection of the board to insert the gigabit ethernet board.

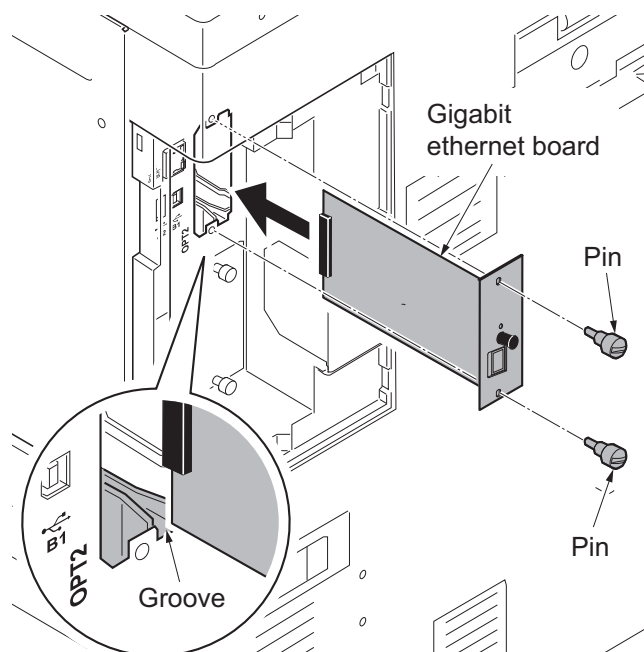


Figure 1-2-117

5. Plug the network cable into the connector.
6. Refit the controller cover.

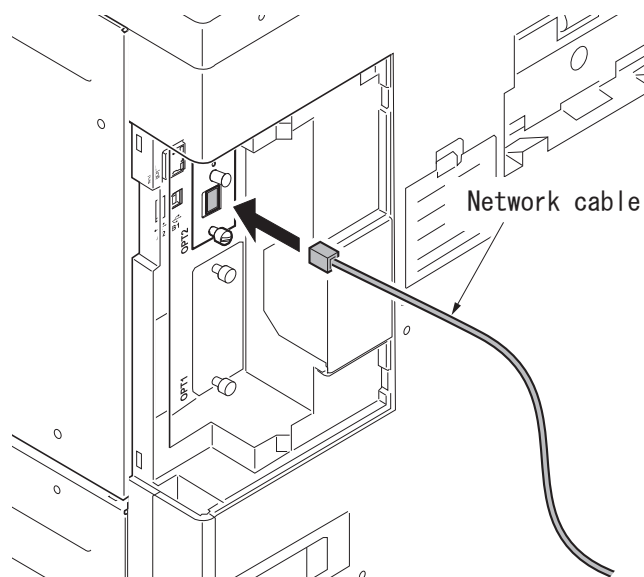


Figure 1-2-118

1-2-9 Installing the IC card reader holder (option)

IC card reader holder installation requires the following parts:

Parts	Quantity	Part.No.
IC card reader holder	1	1709AD0UN0 (option)

Supplied parts of IC card reader holder (1709AD0UN0):

Parts	Quantity	Part.No.
Card reader case	1	-
Card reader base	1	-
Card reader mount	1	-
Card reader tray	1	-
USB Wire (For extension)	1	-
Pin	3	303NS24410
Clamp	6	7YZM690002++H01

The card reader base, card reader mount, and the pin are packaged as an assembled kit.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Open the paper conveying unit.
3. Remove two screws and then remove the ISU right cover.
4. Remove the clip holder A.
5. Remove the screw and then remove the clip holder B.
6. Unhook three hooks and then remove the right upper cover.

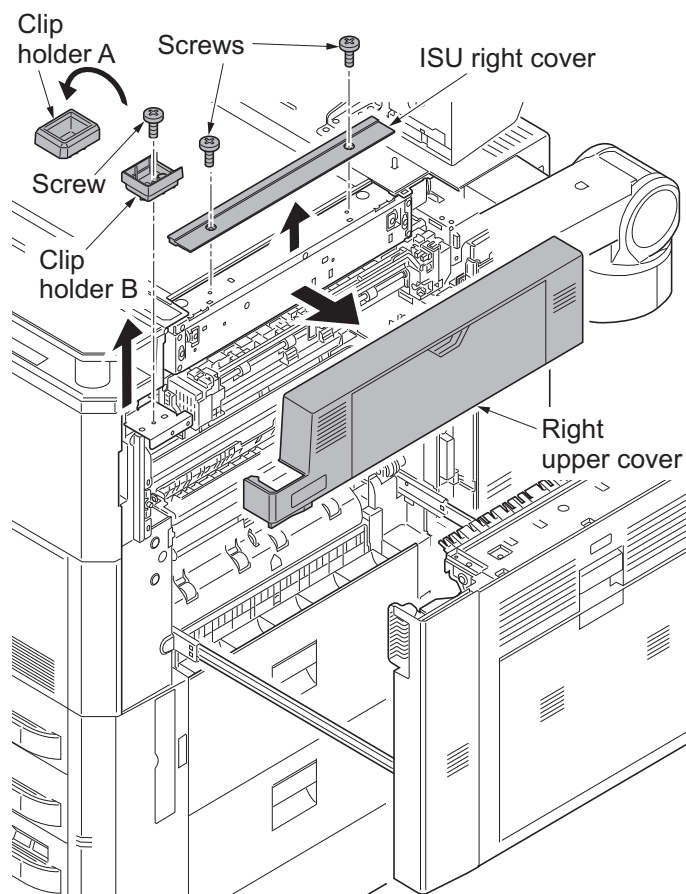
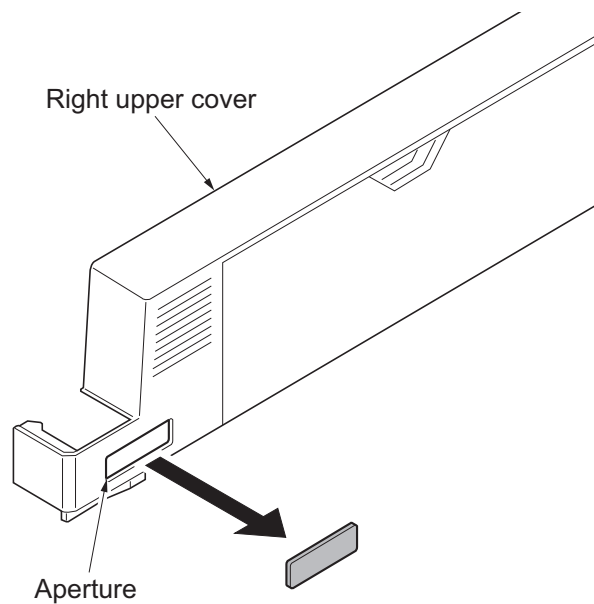
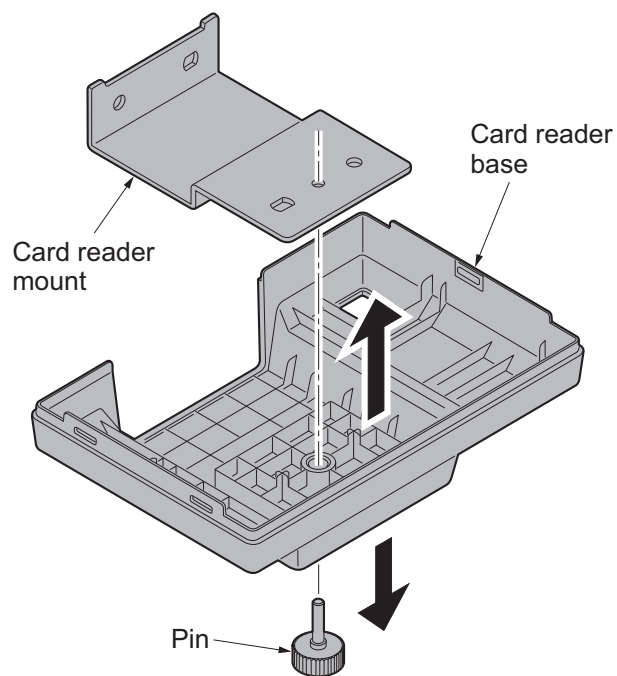


Figure 1-2-119

7. Cut out the aperture plate on the operation mount cover C using nippers.
8. Refit the right upper cover, clip holder and ISU right cover.

**Figure 1-2-120**

9. Remove the pin of the card reader base and then remove the card reader mount.

**Figure 1-2-121**

10. Fit the card reader mount to the machine using two pins.

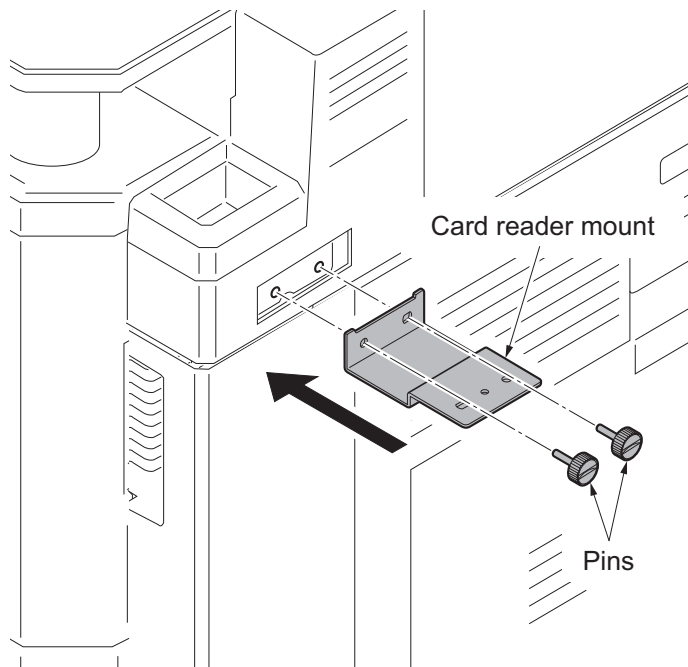


Figure 1-2-122

11. Refit the card reader base to card reader mount using the pin removed in step 9.

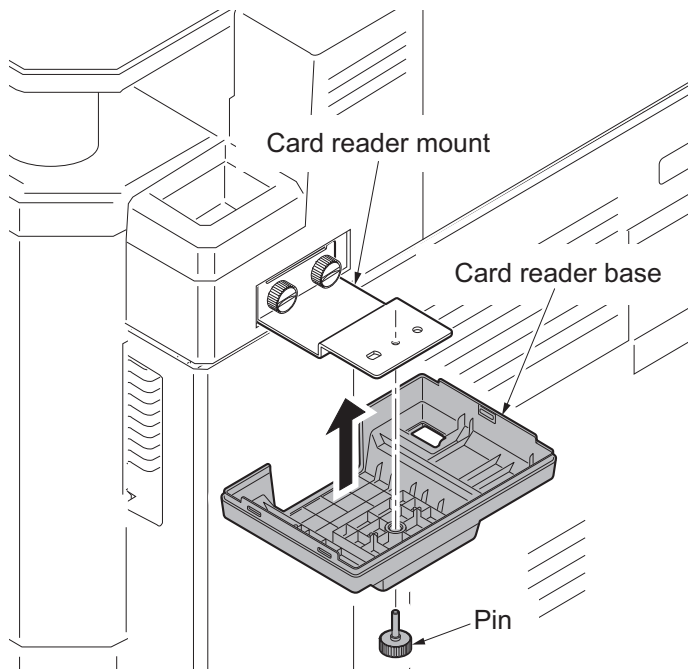


Figure 1-2-123

12. Fit the card reader tray to the card reader base.
 Choose the direction of mounting the IC card reader according to the depth of the reader.
 10mm to 22mm: Face the mark A upwards.
 Less than 10mm: Face the mark B upwards.

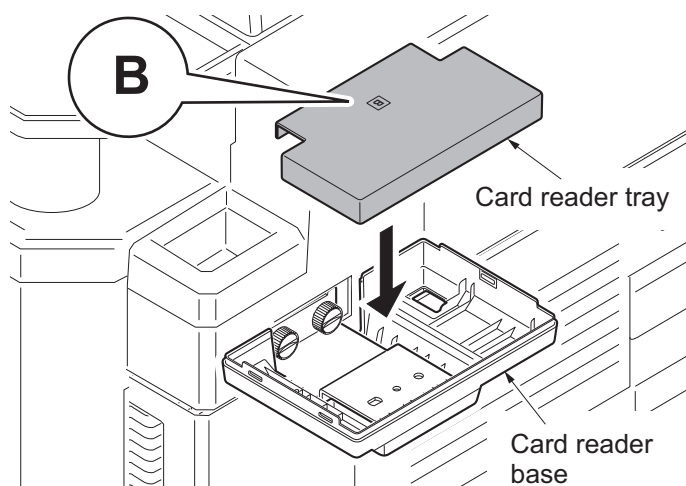
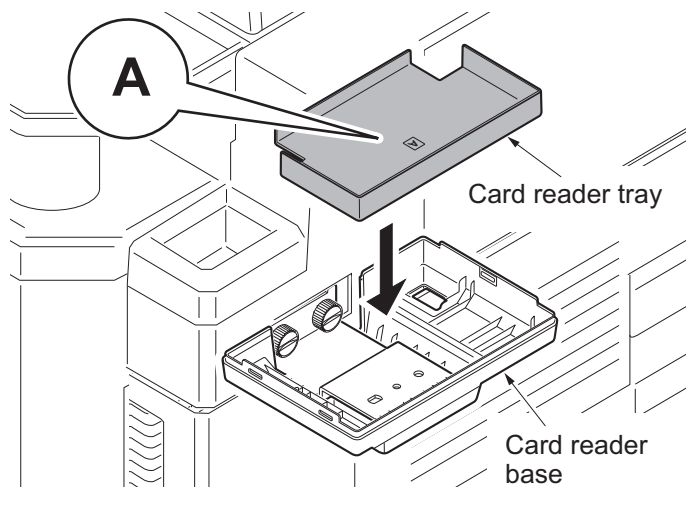


Figure 1-2-124

13. Route the USB wire of the IC card reader through the aperture of the card reader base and mount the IC card reader on the card reader base.

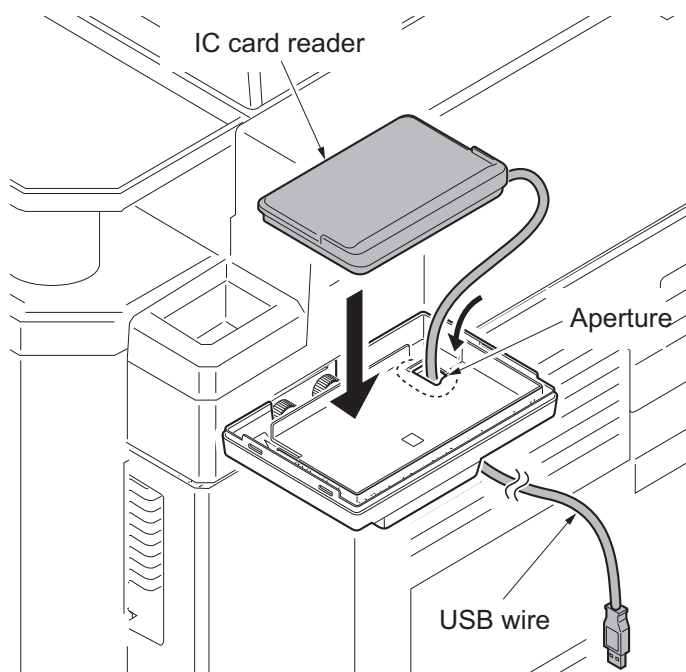


Figure 1-2-125

14. Hook the two hooks of the card reader case to fit the card reader case to the card reader base.
Press its top until it clicks in.

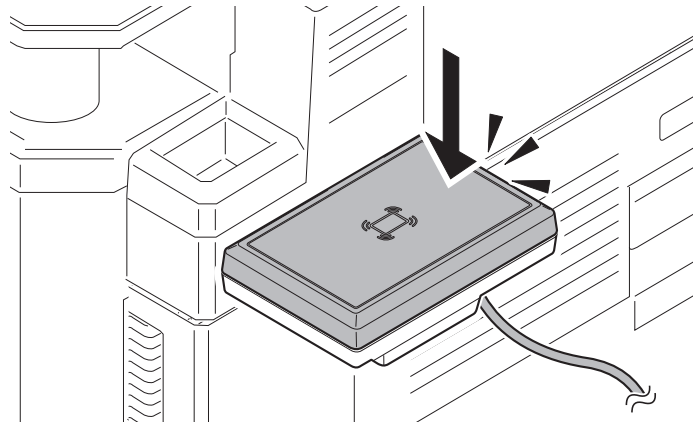
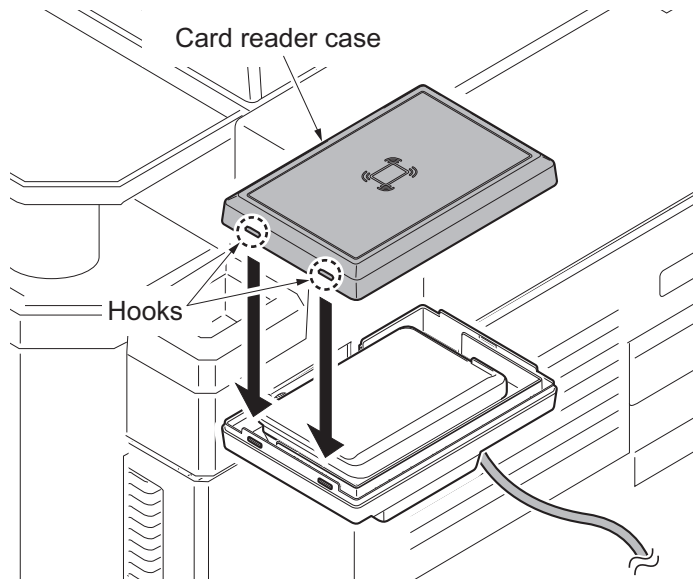


Figure 1-2-126

15. Remove the controller cover.

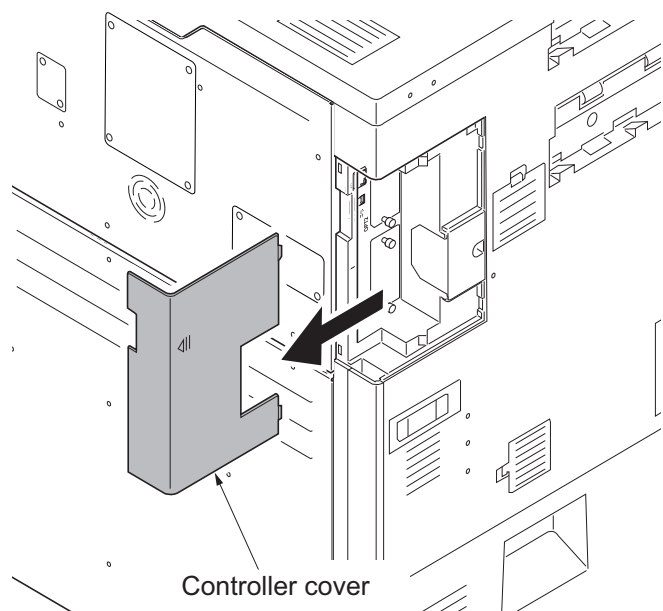


Figure 1-2-127

16. Fit six clamps.
Right side: three
Rear side: three

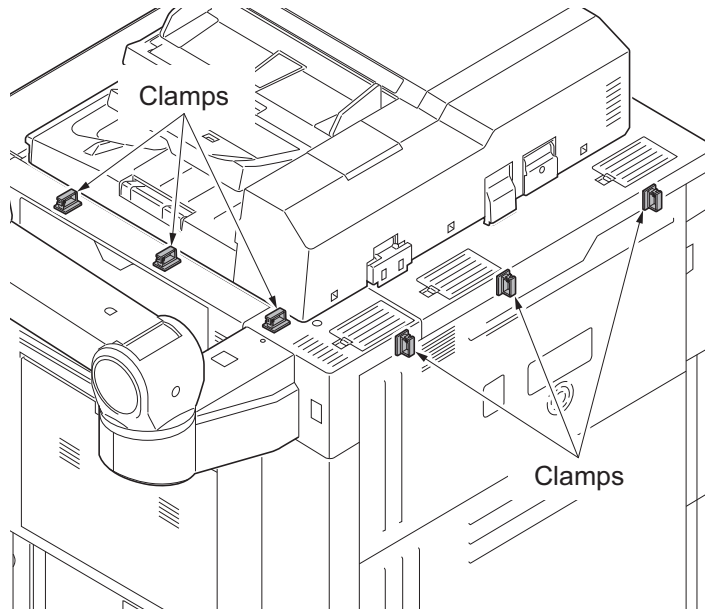


Figure 1-2-128

17. Pass the USB wire of the IC card reader through six clamps and then fasten the wire.
18. Connect the USB wire to the machine.
If the length does not suffice, use the USB wire supplied.
19. Refit the controller cover.

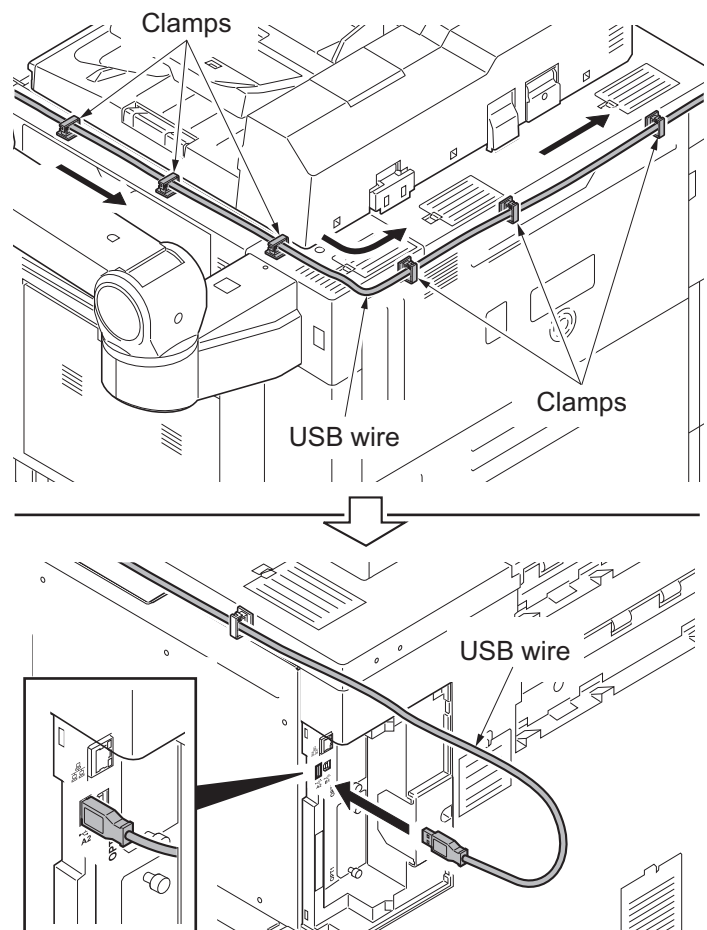


Figure 1-2-129

Enabling IC Card Authentication

Precautions

To install the optional function, you need the License Key. Please access the designated website of your dealer or service representative, and register "Machine No." indicated on your machine and "Product ID" indicated on the License Certificate supplied with the product to issue the License Key.

1. Turn the main power switch on.
2. Press the System Menu key and then press [System].
If user login administration is disabled, the user authentication screen appears.
Enter your login user name and password and then press [Login]. For this, you need to log in with administrator privileges.
3. Press [Next] of Optional Function.
4. Select CARD AUTHENTICATION KIT(B) and press [Activate].
5. The License Key entry screen is displayed.
Enter the License Key using the numeric keys and press [Official].
6. Confirm the product name CARD AUTHENTICATION KIT(B) and press [Yes].
7. To use a SSFC card, run maintenance mode U222 and set SSFC.

1-2-10 Installing the keyboard holder (option)

Keyboard holder installation requires the following parts:

Parts	Quantity	Part.No.
Keyboard holder	1	1709AF0UN0 (option)

Supplied parts of keyboard holder (1709AF0UN0):

Parts	Quantity	Part.No.
Upper keyboard holder	1	-
Lower keyboard holder	1*	-
Keyboard cover	1	-
Velcro A	2	-
Velcro B	2	-
Film	1	-
M4 x 8 tap-tight S screw	2*	-
M4 x 8 tap-tight P screw	3	-
M3 x 8 tap-tight S screw	2	-
Clamp	6	7YZM690002++H01

*: Not used in this model.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Open the front upper cover.
3. Remove the cover at machine front side.

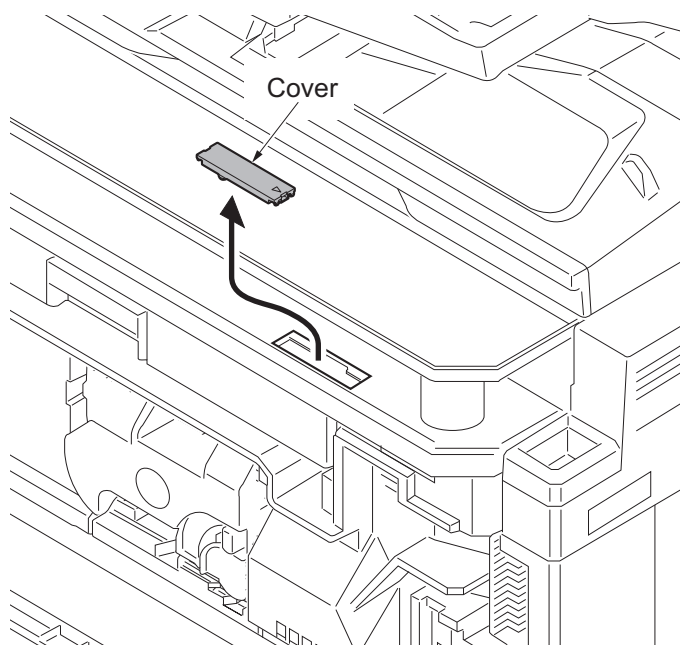


Figure 1-2-130

4. Insert the bent piece on the upper keyboard mount into the aperture.
5. Fit the upper keyboard mount to the machine using two M3 x 8 tap-tight S screws.

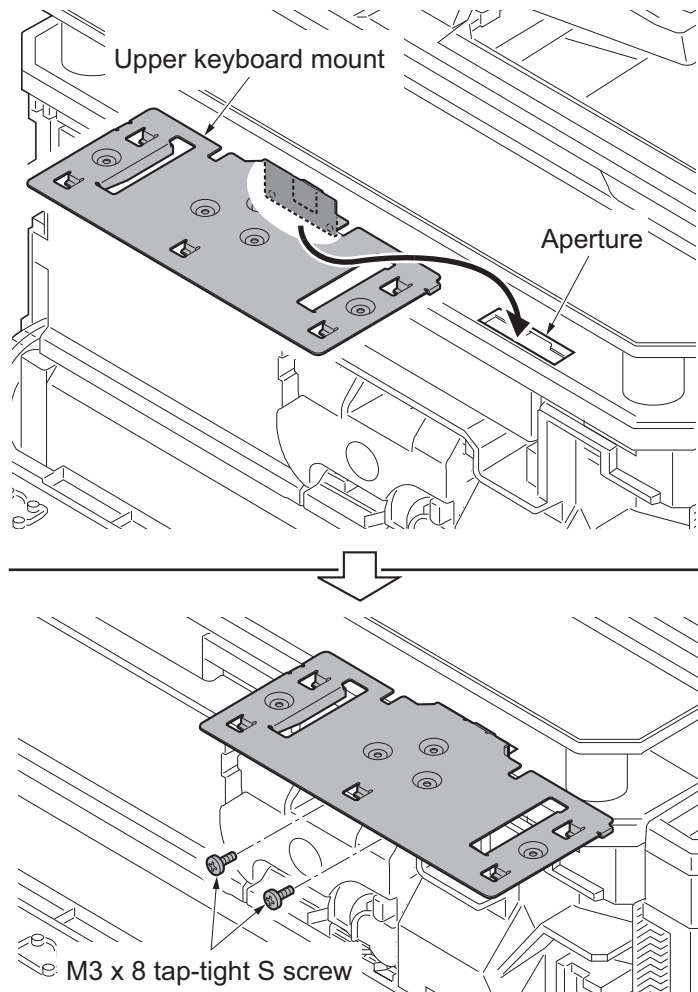


Figure 1-2-131

6. Cut the cutout of the keyboard cover by using a pair of nippers.

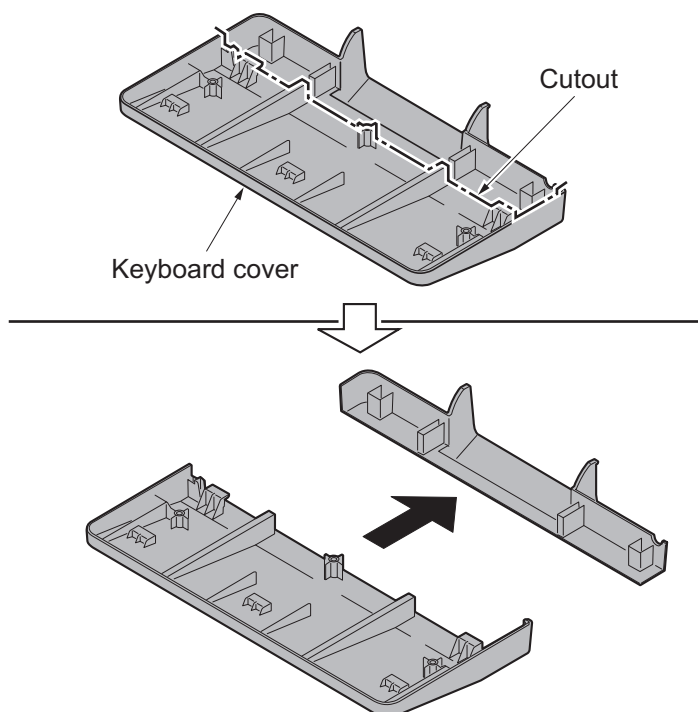


Figure 1-2-132

7. Latch the keyboard cover with the upper keyboard mount by the five hooks.
8. Fit the keyboard cover to the upper keyboard mount using three M4 x 8 tap-tight P screws.
9. Close the front upper cover.

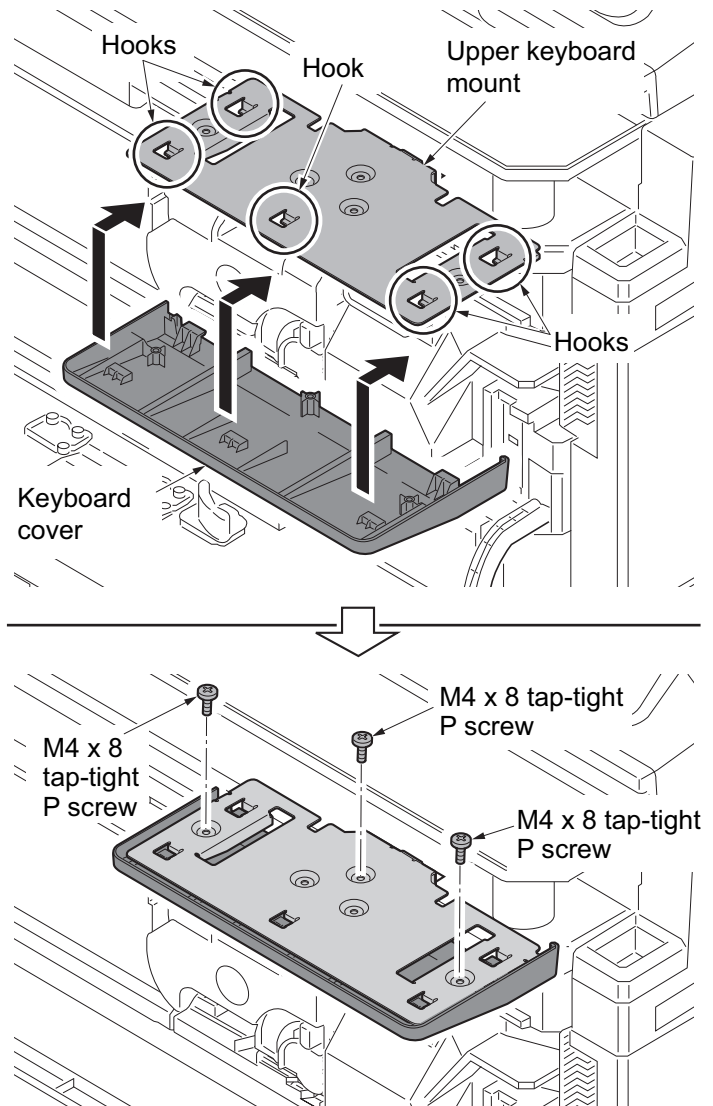


Figure 1-2-133

- 10. Affix a film piece over the mounting of the upper keyboard mount.

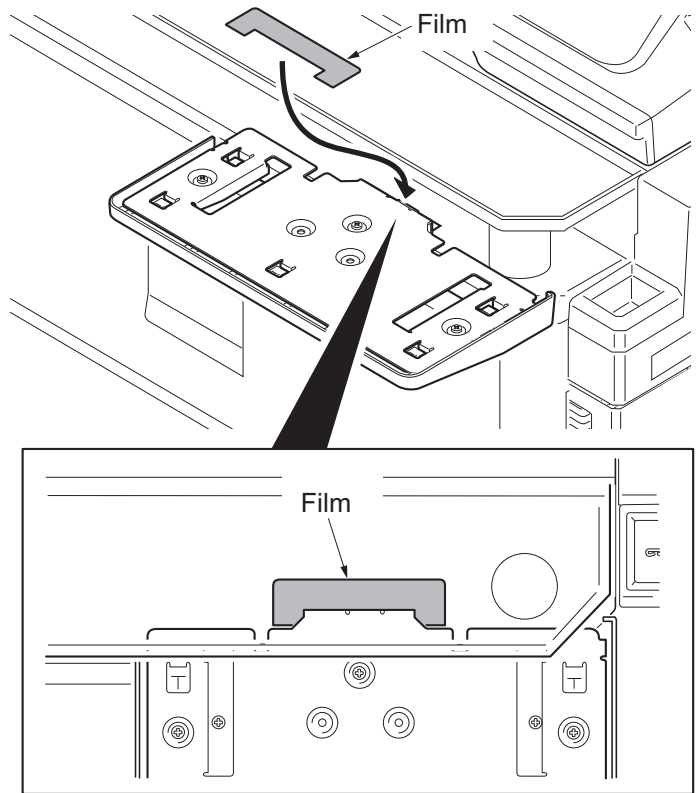


Figure 1-2-134

- 11. Adhere two Velcro tapes onto the upper keyboard mount.

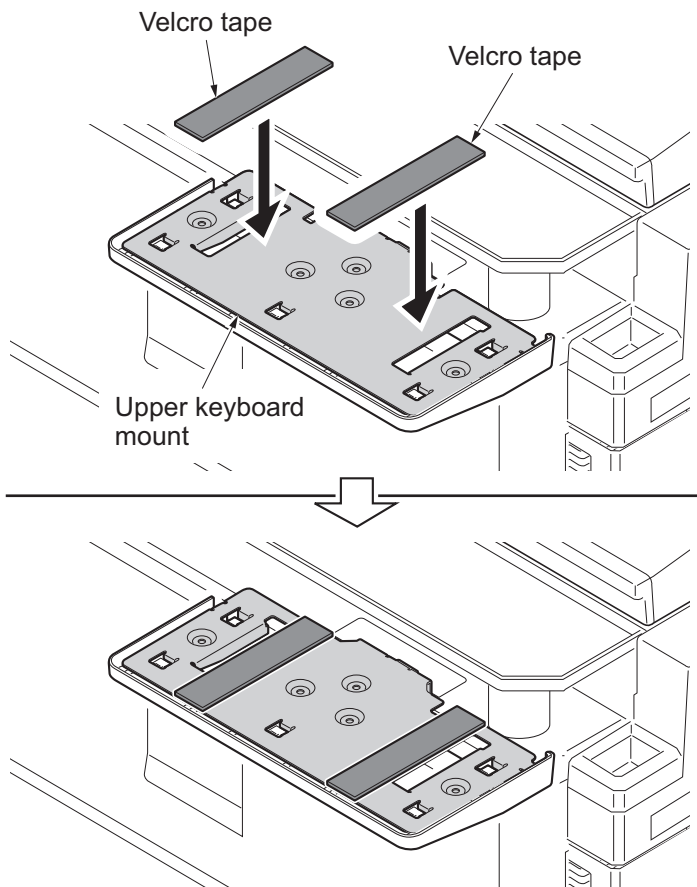


Figure 1-2-135

12. Adhere two Velcro tapes onto back side of the keyboard.

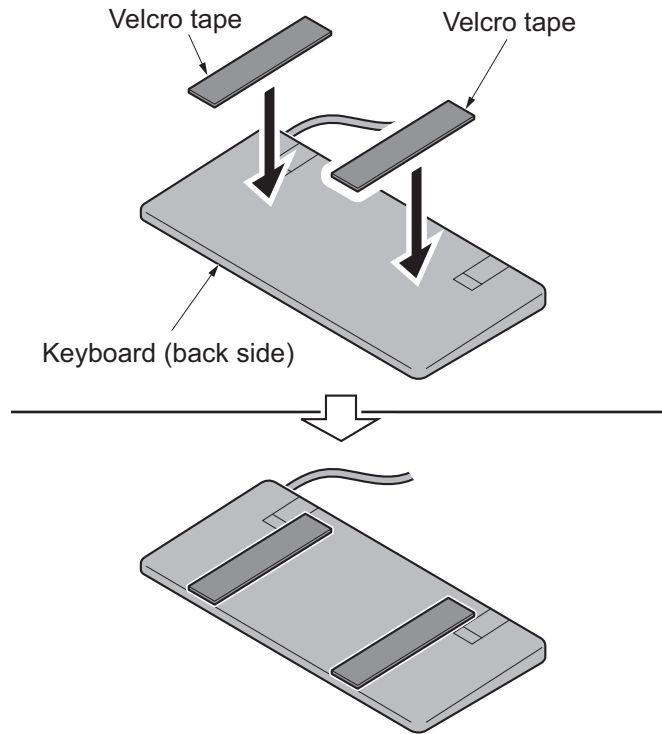


Figure 1-2-136

13. Align the Velcro tapes with each other, mount the keyboard onto the upper keyboard mount.

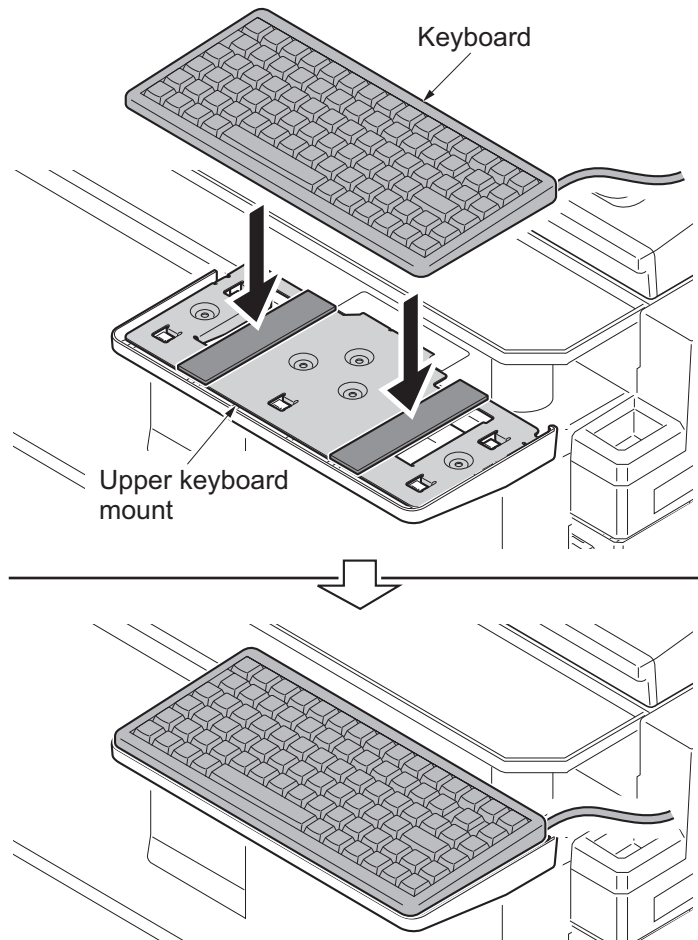


Figure 1-2-137

14. Remove the controller cover.

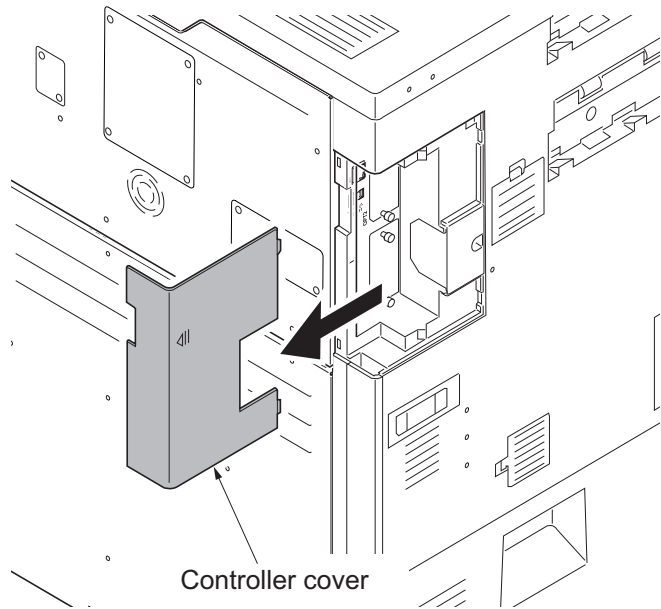


Figure 1-2-138

15. Fit six clamps.
Right side: three
Rear side: three

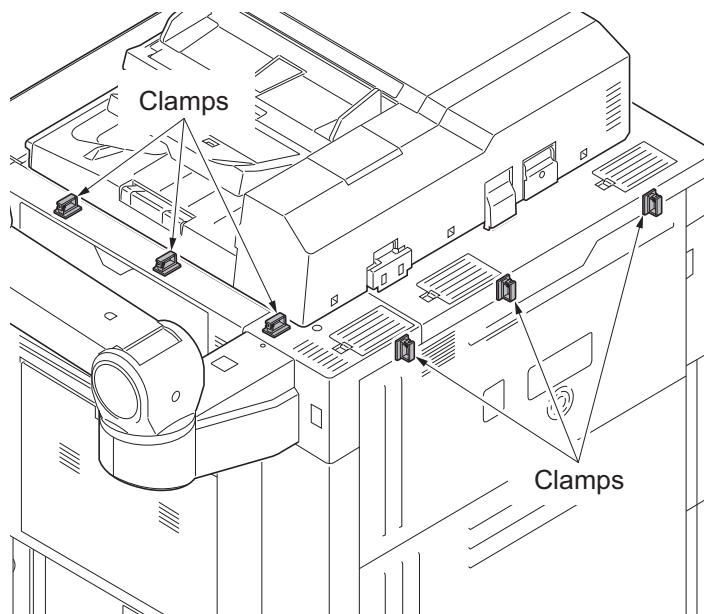
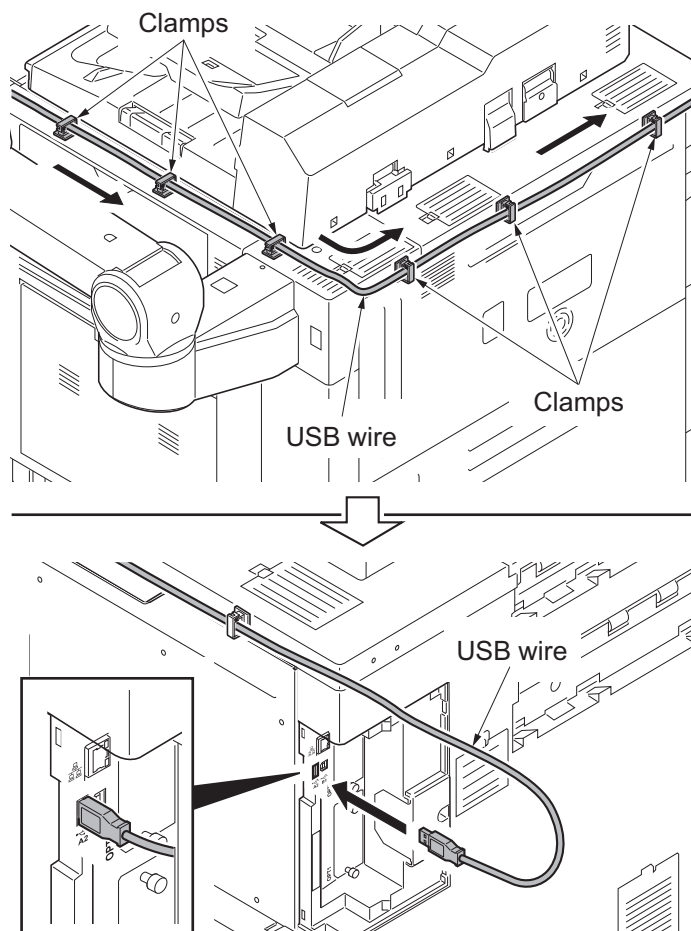


Figure 1-2-139

16. Pass the USB wire of the IC card reader through six clamps and then fasten the wire.
17. Connect the USB wire to the machine.
18. Refit the controller cover.

**Figure 1-2-140**

1-2-11 Installing the duct unit (option)

Duct unit installation requires the following parts:

Parts	Quantity	Part.No.
Duct unit	1	302LC94530

Supplied parts of duct unit (302LC94530):

Parts	Quantity	Part.No.
Duct A	1	-
Duct B	1	-
Filter	2	-
M3 x 8 tap-tight P screw	2	7BB200308H
M3 x 8 tap-tight P screw (black)	1	7BB282308H
M3 x 8 tap-tight S screw (black)	2	7BB782308H

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Fit duct B to duct A using two M3 x 8 tap-tight P screws.

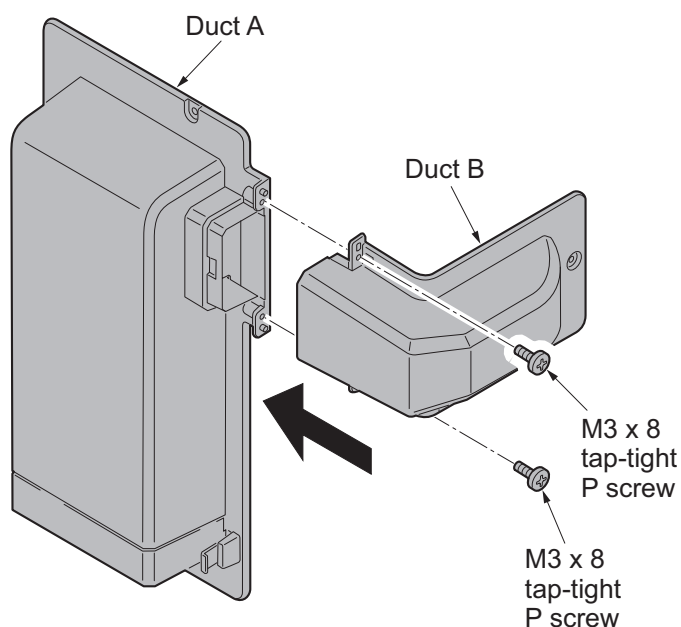


Figure 1-2-141

3. Fit two filters to duct A.

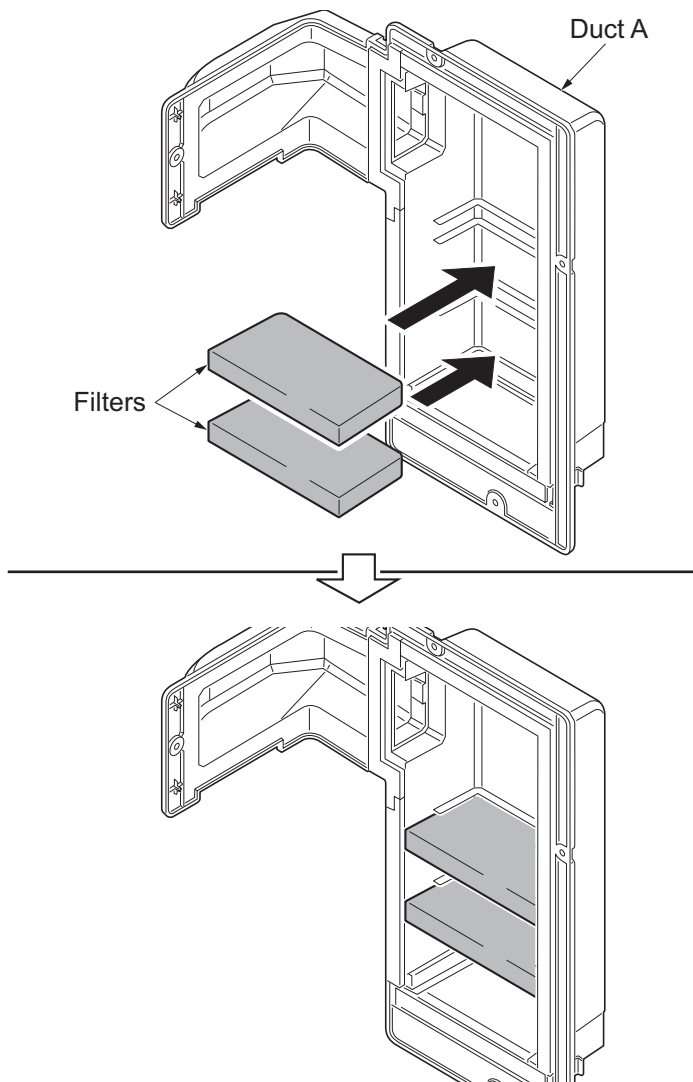


Figure 1-2-142

4. Remove the screw A from the rear lower cover.

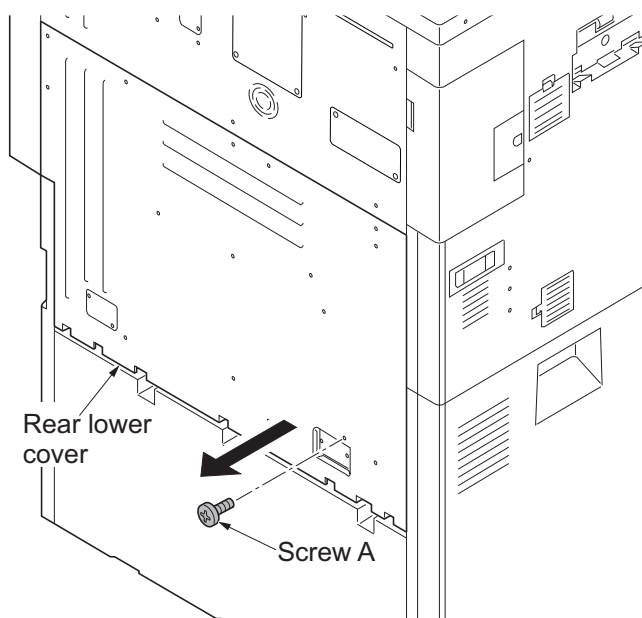


Figure 1-2-143

5. Fit the duct unit to the machine using the removed screw A, M3 x 8 tap-tight P screw (black) and two M3 x 8 tap-tight S screws (black).

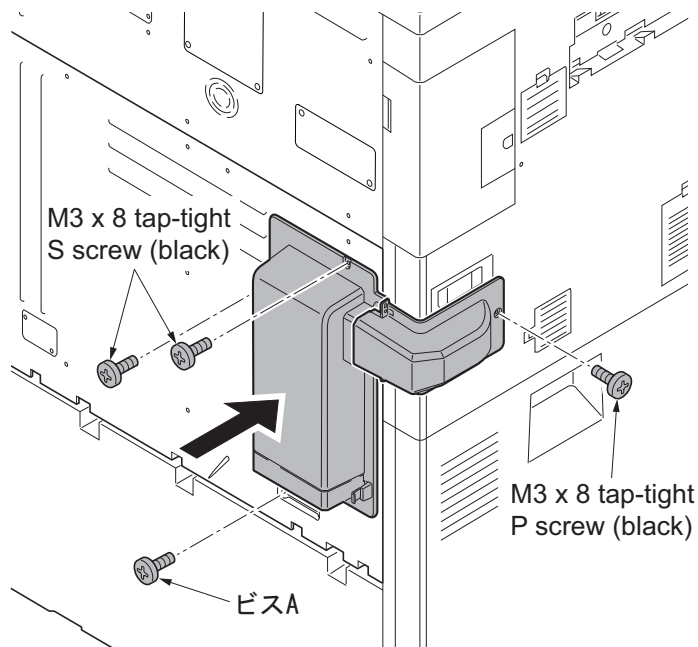


Figure 1-2-144

1-2-12 Installing the handset (option for japan only)

Handset installation requires the following parts:

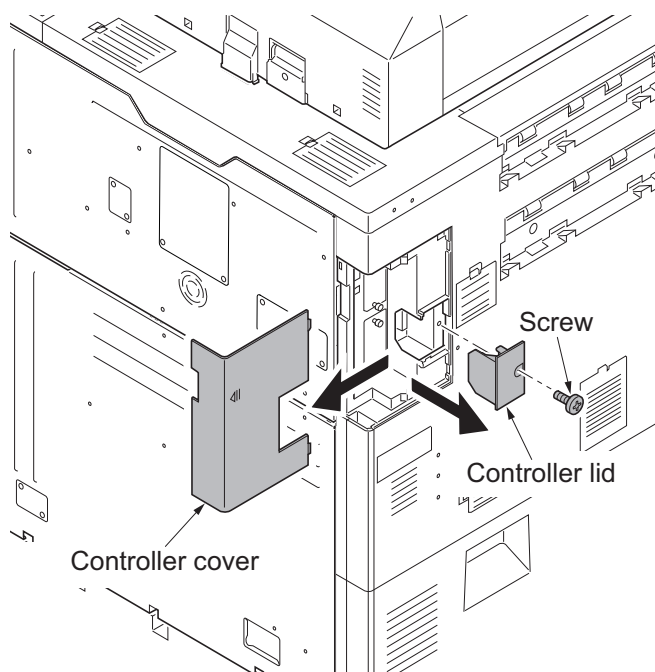
Parts	Quantity	Part.No.
Handset	1	1909AG9JP0 (option)

Supplied parts of handset (1909AG9JP0):

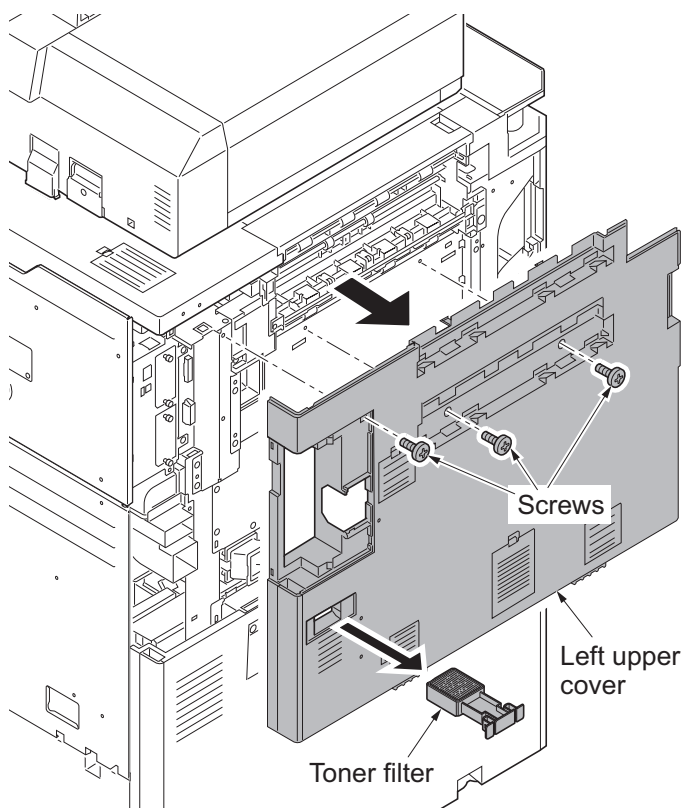
Parts	Quantity	Part.No.
Handset	1	-
Handset base	1	-
Handset mount	1	-
Protection cover	1	-
Pin	2	-
Telephone wire	1	-
Modular cable	1	-
M4 nut	2	3CY06030

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove the controller cover.
3. Remove the screw and then remove the controller lid.

**Figure 1-2-145**

4. Remove the toner filter.
5. Remove three screws.
6. Unhook six hooks and then remove the left upper cover.

**Figure 1-2-146**

7. Mount two M4 nuts at the back of the ISU rear cover.
8. Fit the handset mount to the ISU rear cover using two pins. Use the lower screw holes.

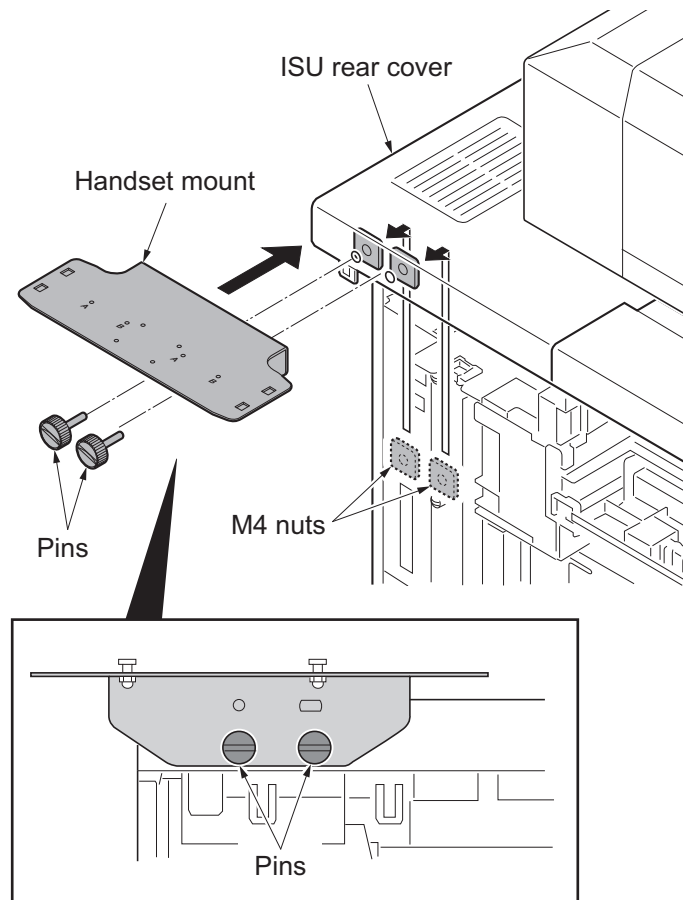


Figure 1-2-147

9. Refit the left upper cover.
10. Refit the toner filter.
11. Refit the controller lid.
12. Confirm that the pin on the handset mount is positioned at mark A. If not, remove two nuts and two pins and remount at mark A.

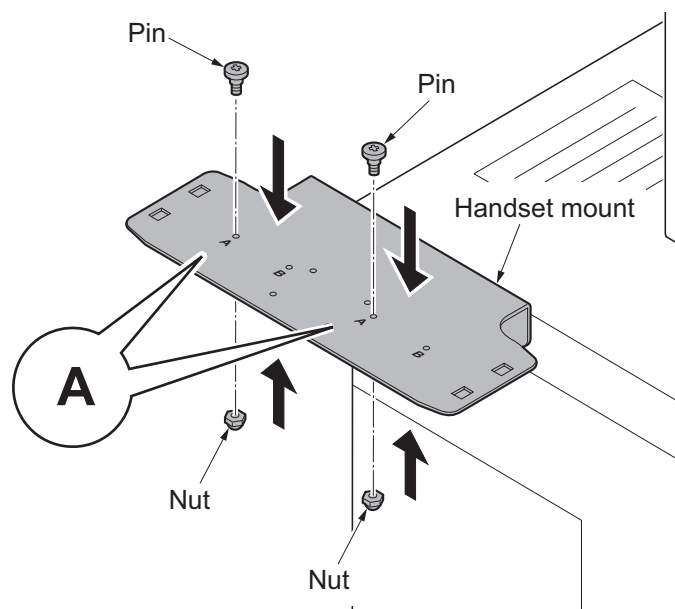


Figure 1-2-148

13. Insert the pins at the insert parts on the back of the handset base, and slide it towards you.

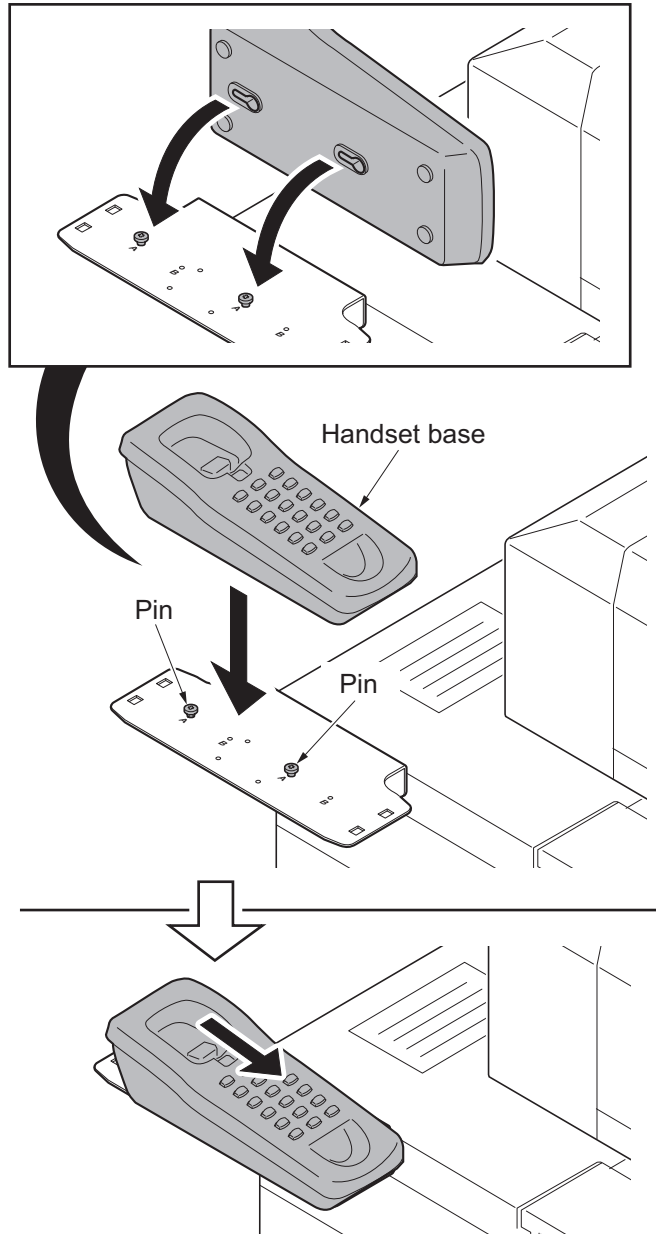


Figure 1-2-149

- 14. Fit the protection cover to the handset mount.

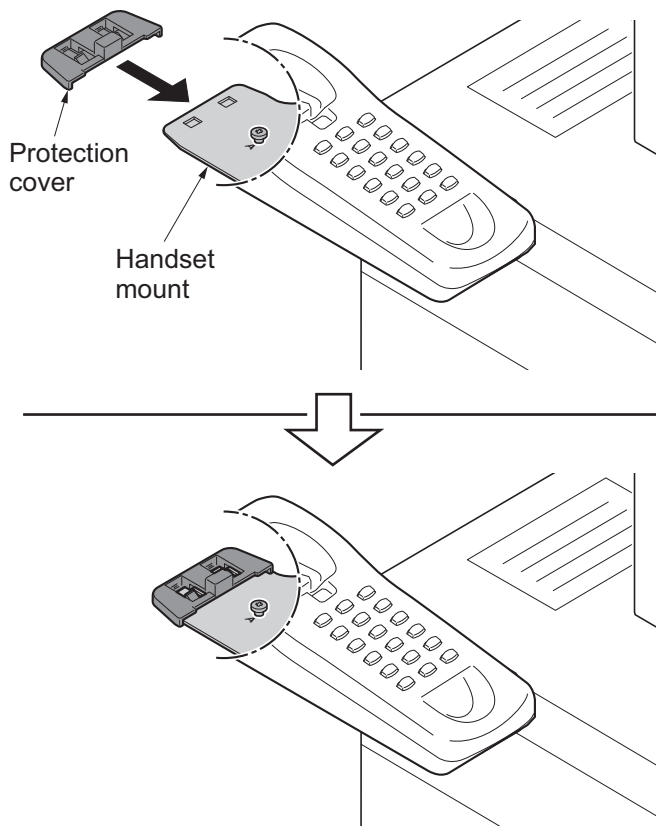


Figure 1-2-150

- 15. Connect the telephone wire to the handset and the handset base.

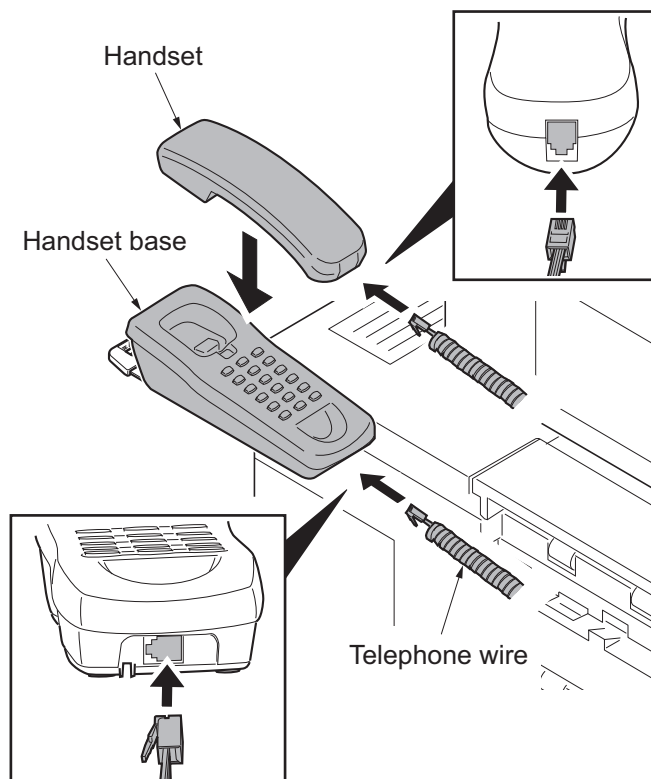


Figure 1-2-151

16. Connect the modular cable to the handset base and the machine.

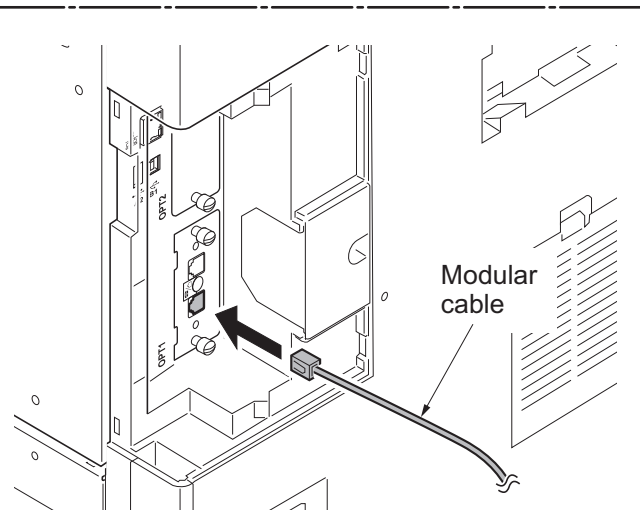
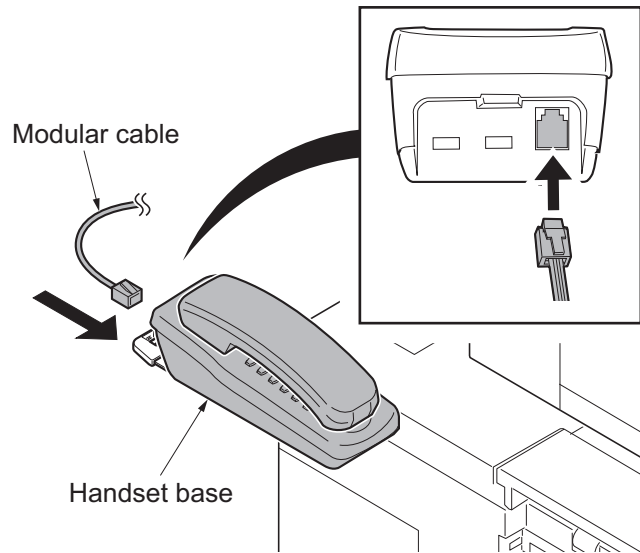
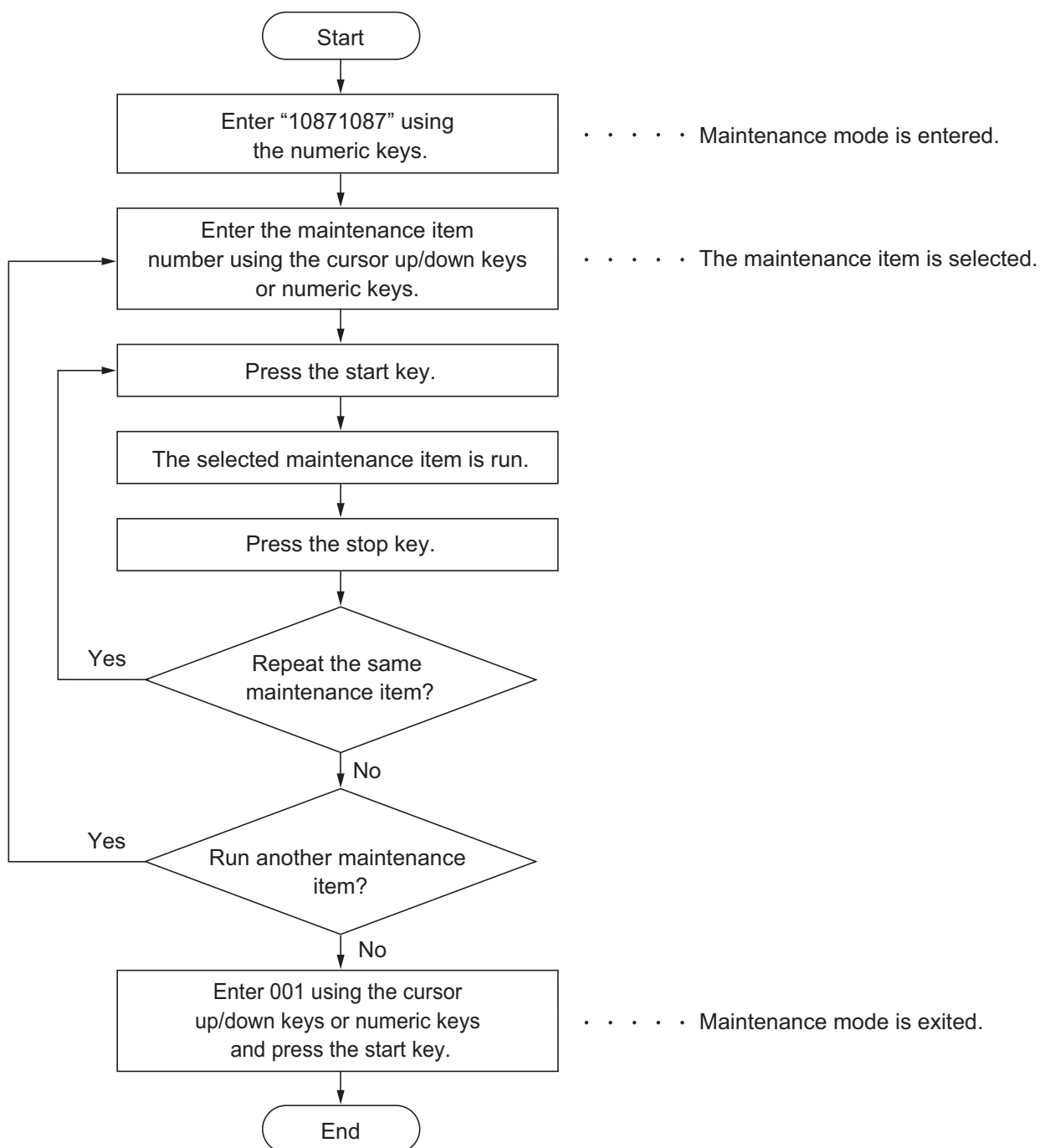


Figure 1-2-152

1-3-1 Maintenance mode

The machine is equipped with a maintenance function which can be used to maintain and service the machine.

(1) Executing a maintenance item



(2) Maintenance modes item list

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
General	U000	Outputting an own-status report	-	
	U001	Exiting the maintenance mode	-	
	U002	Setting the factory default data	-	
	U003	Setting the service telephone number	-	
	U004	Setting the machine number	-	
	U010	Setting the maintenance mode ID	-	
	U019	Displaying the ROM version	-	
Initializa- tion	U021	Memory initializing	-	
	U024	HDD formatting	-	
	U026	Pulling Backup Data	-	
Drive, paper feed and paper conveying system	U030	Checking the operation of the motors	-	
	U031	Checking switches and sensors for paper conveying	-	
	U032	Checking the operation of the clutches	-	
	U033	Checking the operation of the solenoids	-	
	U034	Adjusting the print start timing		
		LSU Out Top	0/0/0/0/0/0/0/0/0/0/0	
		LSU Out Left	0/0/0/0/0/0/0/0/0	
	U035	Setting the printing area for folio paper	330/210	
	U037	Checking the operation of the fan motors	-	
	U039	Adjusting the magnification	0	
	U051	Adjusting the deflection in the paper	-5/-1/-8/-1/ -8/-1/-5/-1/ -8/-1/-8/-1	-5/-3/-13/-3/ -13/-3/-5/-3/ -13/-3/-13/-3
	U052	Setting the fuser motor control		
		Set Loop Sensor	0/0	
		Loop Sensor Control	On/On/On/On/On/On	
		Set Loop Sensor Valid	On	
	U053	Setting the adjustment of the motor speed		
		Motor1	0	
Motor2		813/32/14	639/25/11	
Motor3		54/-26/93/57/ 57/79/54/87/ -8/-8/0/0/0/0	42/-21/72/45/ 45/62/43/69/ -6/-6/0/0/0/0	
Motor1 Half		0		
Motor2 Half		1626/32/29	1278/25/23	

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
Drive, paper feed and paper conveying system	U053	Motor3 Half	109/-53/186/ 115/115/159/ 108/174/-8/-8	85/-41/144/90/ 90/124/85/137/ -6/-6
	U059	Setting fan mode		
		Fan Mode	0(Mode1)	
		Cooling Mode	0	
Optical	U061	Checking the operation of the exposure lamp	-	
	U063	Adjusting the shading position	0	
	U065	Adjusting the scanner magnification	0/0	
	U066	Adjusting the scanner leading edge registration	0/0	
	U067	Adjusting the scanner center line	0/0	
	U068	Adjusting the scanning position for originals from the DP	0/0	
	U070	Adjusting the DP magnification	0/0/0	
	U071	Adjusting the DP scanning timing	0/0/0/0	
	U072	Adjusting the DP center line	0/0	
	U073	Checking the scanner operation	-	
	U074	DP input response adjustment	1	
	U087	Setting DP reading position modification operation	125/125/125	
	U089	Outputting a MIP-PG pattern	-	
	U091	Setting the white line correction	112/112/112/75/0	
	U099	Adjusting original size detection	50/50/50/50/50/50/50/50/50	
High voltage	U100	Adjusting main high voltage		
		Adj AC Bias	-	
		Set AC Auto Adj	On	
		Set DC Bias	-	
		Adj DC Bias	0/0	
		Set Low Temp	1	
		Set Charger Freq	8745	9160
		Chk Current	-	
	U106	Setting the voltage for the secondary transfer		
		Light/Normal1 1st	152/147/141	162/159/151
		Light/Normal1 2nd	141/135/125	153/144/132
		Normal2/3 1st	152/147/141	162/159/151
		Normal2/3 2nd	141/135/125	153/144/132

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
High voltage	U106	Heavy1-3 1st Half	121/121/118	126/126/122
		Heavy1-3 2nd Half	115/115/105	119/119/107
		Heavy4/5 1st Half	118/118/110	122/122/112
		Heavy4/5 2nd Half	114/114/105	117/117/106
		OHP	107/107/101	110/110/103
		Bias	164/164/123/ 108	164/164/131/ 112
	U110	Checking the drum count	-	
	U111	Checking the drum drive time	-	
	U117	Checking the drum number	-	
	U118	Displaying the drum history	-	
	U119	Setting the drum	-	
	U127	Checking/clearing the transfer count	-	
	U128	Setting transfer high-voltage timing	-13/20	-10/-21
Developer	U130	Initial setting for the developer	-	
	U131	Adjusting the toner sensor control voltage	-	
		Manual	125	133
		Mode	Auto	
	U132	Replenishing toner forcibly	-	
	U135	Checking toner motor operation	-	
	U136	Setting toner near end detection	3	
	U139	Displaying the temperature and humidity outside the machine	-	
	U140	Displaying developer bias		
		Sleeve DC	84	
		Sleeve AC	150	
		Mag DC	199	
		Mag AC	199	
		Sleeve Freq	4510/5345	4580/5511
		Sleeve Duty	43	
		Mag Duty	68	
		AC Calib		
		Magnification	12	
		High Altitude	Mode1	
		Image Preference		
U147	Setting for toner applying operation			
	Timing	65/8	80/8	

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
Developer	U147	Mode	Mode1	
		Upper Limit	2.0	
		Minimum	10	
	U148	Setting drum refresh mode	2	
		Normal	2	
		Dew Condensation	0	
	U155	Checking sensors for toner	-	
	U156	Setting the toner replenishment level		
		Supply	512	
		Empty	100	
U157	Checking the developer drive time	-		
U158	Checking the developer count	-		
Fuser	U161	Setting the fuser control temperature		
		Warm Up *:120 V specifications/220 to 240 V specifications	165/140/30/ 170/165/130/ 0/150	165,170*/140/ 30/175/170/ 130/0/150
		Print	165/0	170/0
		Belt Mode	Off	
		Ready Time Adjust	2	
	U163	Resetting the fuser problem data	-	
	U167	Checking/clearing the fuser count	-	
	U169	Checking/setting the fuser power source	-	
	U199	Displaying fuser heater temperature	-	
Operation panel and support equipment	U200	Turning all LEDs on	-	
	U201	Initializing the touch panel	-	
	U202	Setting the KMAS host monitoring system	-	
	U203	Checking DP operation	-	
	U204	Setting the presence or absence of a key card or key counter	Off/Coin Vender	
	U206	Setting the presence or absence of a coin vender		
		On/Off Config	Off	
		No Coin Action	Off	
		Price	10/10/10/10/	
	U207	Checking the operation panel keys	-	
	U208	Setting the paper size for the side deck	Letter (Inch)/A4 (Metric)	
U221	Setting the USB host lock function	Off		
U222	Setting the IC card type	Other		

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
Operation panel and support equipment	U223	Operation panel lock	Unlock	
	U224	Panel sheet extension	-	
	U234	Setting punch destination	Inch (Inch)/Europe Metric (Metric)	
	U237	Setting finisher stack quantity	0/0	
	U240	Checking the operation of the finisher	-	
	U241	Checking the operation of the switches of the finisher	-	
	U243	Checking the operation of the DP motors	-	
	U244	Checking the DP switches	-	
	U245	Checking messages	-	
	U246	Setting the finisher		
		Finisher	0/0/0/0/0/0/0/0	
		Booklet	0/0/0/0/0/0/0/0	
	U247	Setting the paper feed device	-	
	U249	Finisher operation test	-	
Mode setting	U250	Checking/clearing the maintenance cycle	600000/300000/0/150000/ 150000/150000/150000/150000/ 150000/150000	
	U251	Checking/clearing the maintenance counter	0/0/0/0/0/0/0/0/0	
	U252	Setting the destination	-	
	U253	Switching between double and single counts	DBL(A3/Ledger)	
	U260	Selecting the timing for copy counting	Eject	
	U265	Setting OEM purchaser code	-	
	U271	Setting the page count	2/3	
	U278	Setting the delivery date	-	
	U285	Setting service status page	On	
	U323	Setting abnormal temperature and humidity warning	On	
	U325	Setting the paper interval	Off/1	
	U326	Setting the black line cleaning indication	On/8	
	U327	Setting the cassette heater control	Off	
	U332	Setting the size conversion factor	1.0	
	U340	Setting the applied mode	50/1	
	U341	Specific paper feed location setting for printing function	-	
	U343	Switching between duplex/simplex copy mode	Off	
U345	Setting the value for maintenance due indication	0		

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
Image processing	U402	Adjusting margins of image printing	4.0/3.0/3.0/3.9	
	U403	Adjusting margins for scanning an original on the contact glass	2.0/2.0/2.0/2.0	
	U404	Adjusting margins for scanning an original from the DP	3.0/2.5/3.0/4.0/3.0/2.5/3.0/4.0	
	U407	Adjusting the leading edge registration for memory image printing	0	
	U410	Adjusting the halftone automatically	Table1	
	U411	Adjusting the scanner automatically	-	
	U412	Adjusting the uneven density	-	
	U415	Adjusting the print position automatically	-	
	U425	Setting the target	-	
	U460	Adjusting the conveying sensor		
		Conveying Sensor	0/0	
		On/Off Config	Off	
	U464	Setting the ID correction operation		
		Permission	On	
		Time Interval	0	
		Mode	Normal	
		On/Sleep Out	On	
		AP/NE	On	
		Leaving Time	60	
		Driving Time	300	
		Timing	0	
		Target Value	730/330	750/330
		Calib	-	
	U465	Data reference for ID correction	-	
	U470	Setting the JPEG compression ratio		
		Copy	90/90/90/90	
Send		30/40/51/70/90/30/40/51/70/90 30/40/51/70/90/30/40/51/70/90 15/25/90/15/25/90/ 15/25/90/15/25/90		
System		90/90		
U485	Setting the image processing mode	1/0		
Others	U901	Checking copy counts by paper feed locations	-	
	U903	Checking/clearing the paper jam counts	-	
	U904	Checking/clearing the call for service counts	-	

Section	Item No.	Content of maintenance item	Initial setting	
			65 ppm	80 ppm
Others	U905	Checking counts by optional devices	-	-
	U906	Resetting partial operation control	-	-
	U908	Checking the total counter value	-	-
	U910	Clearing the print coverage data	-	-
	U911	Checking copy counts by paper sizes	-	-
	U917	Setting backup data reading/writing	-	-
	U920	Checking the copy counts	-	-
	U927	Clearing the all copy counts and machine life counts (one time only)	-	-
	U928	Checking machine life counts	-	-
	U930	Checking/clearing the charger roller count	-	-
	U935	Relay board maintenance	Mode0	-
	U942	Setting of deflection for feeding from DP	0/0/0	-
	U952	Maintenance mode workflow	-	-
	U964	Checking of log	-	-
	U969	Checking of toner area code	-	-
	U977	Data capture mode	-	-
	U984	Checking the developer unit number	-	-
	U985	Displaying the developer unit history	-	-
	U989	HDD Scan disk	-	-
	U990	Checking the time for the exposure lamp to light	-	-
U991	Checking the scanner operation count	-	-	

(3) Contents of the maintenance mode items

Item No.	Description																								
U000	<p data-bbox="287 291 702 324">Outputting an own-status report</p> <p data-bbox="287 358 438 392">Description Outputs lists of the current settings of the maintenance items, and paper jam and service call occurrences. Outputs the event log or service status page. Also sends output data to the USB memory.</p> <p data-bbox="287 504 399 537">Purpose To check the current setting of the maintenance items, or paper jam or service call occurrences. Before initializing or replacing the backup RAM, output a list of the current settings of the maintenance items to reenter the settings after initialization or replacement.</p> <p data-bbox="287 672 391 705">Method</p> <ol data-bbox="303 705 1037 772" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be output using the cursor up/down keys. <table border="1" data-bbox="335 784 1396 1120"> <thead> <tr> <th data-bbox="343 795 638 828">Display</th> <th data-bbox="638 795 1388 828">Output list</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 840 638 873">Maintenance</td> <td data-bbox="638 840 1388 873">List of the current settings of the maintenance modes</td> </tr> <tr> <td data-bbox="343 884 638 918">User Status</td> <td data-bbox="638 884 1388 918">Outputs the user status page</td> </tr> <tr> <td data-bbox="343 929 638 963">Service Status</td> <td data-bbox="638 929 1388 963">Outputs the service status page</td> </tr> <tr> <td data-bbox="343 974 638 1008">Event</td> <td data-bbox="638 974 1388 1008">Outputs the event log</td> </tr> <tr> <td data-bbox="343 1019 638 1052">Network Status</td> <td data-bbox="638 1019 1388 1052">Outputs the network status page</td> </tr> <tr> <td data-bbox="343 1064 638 1097">All</td> <td data-bbox="638 1064 1388 1097">Outputs the all reports</td> </tr> </tbody> </table> <ol data-bbox="303 1131 1428 1332" style="list-style-type: none"> 3. Press the start key. A list is output. 4. Press the start key. The interrupt print mode is entered and a list is output. When A4/Letter paper is available, a report of this size is output. If not, specify the paper feed location. 5. The output status is displayed. <table border="1" data-bbox="335 1344 1396 1590"> <thead> <tr> <th data-bbox="343 1355 638 1388">Display</th> <th data-bbox="638 1355 1388 1388">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1400 638 1433">---</td> <td data-bbox="638 1400 1388 1433">List of the current settings of the maintenance modes</td> </tr> <tr> <td data-bbox="343 1444 638 1478">Active</td> <td data-bbox="638 1444 1388 1478">Outputs the user status page</td> </tr> <tr> <td data-bbox="343 1489 638 1523">Complete</td> <td data-bbox="638 1489 1388 1523">Outputs the service status page</td> </tr> <tr> <td data-bbox="343 1534 638 1568">Error</td> <td data-bbox="638 1534 1388 1568">Outputs the event log</td> </tr> </tbody> </table>	Display	Output list	Maintenance	List of the current settings of the maintenance modes	User Status	Outputs the user status page	Service Status	Outputs the service status page	Event	Outputs the event log	Network Status	Outputs the network status page	All	Outputs the all reports	Display	Description	---	List of the current settings of the maintenance modes	Active	Outputs the user status page	Complete	Outputs the service status page	Error	Outputs the event log
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Item No.	Description								
U000	<p data-bbox="288 277 724 309">Method: Send to the USB memory</p> <ol data-bbox="304 313 1426 584" style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter the maintenance item. 5. Press the start key. 6. Select the item to be send. 7. Select [Text] or [HTML]. <table border="1" data-bbox="336 598 1401 790"> <thead> <tr> <th data-bbox="336 598 639 645">Display</th> <th data-bbox="639 598 1401 645">Output list</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 639 689">Print</td> <td data-bbox="639 645 1401 689">Outputs the report</td> </tr> <tr> <td data-bbox="336 689 639 734">USB (Text)</td> <td data-bbox="639 689 1401 734">Sends output data to the USB memory (text type)</td> </tr> <tr> <td data-bbox="336 734 639 790">USB (HTML)</td> <td data-bbox="639 734 1401 790">Sends output data to the USB memory (HTML type)</td> </tr> </tbody> </table> <p data-bbox="288 801 759 869">Press the start key. Output will be sent to the USB memory.</p> <p data-bbox="288 943 440 974">Completion</p> <p data-bbox="288 978 1254 1010">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Output list	Print	Outputs the report	USB (Text)	Sends output data to the USB memory (text type)	USB (HTML)	Sends output data to the USB memory (HTML type)
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Print	Outputs the report								
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U000	<p data-bbox="287 241 414 273">Event log</p> <div data-bbox="316 295 1396 1639" style="border: 1px solid black; padding: 10px;"> <h3 data-bbox="354 324 577 369">Event Log</h3> <p data-bbox="354 376 414 403">MFP</p> <p data-bbox="1157 376 1353 403">(2) 27/10/2010 08:40</p> <p data-bbox="347 430 1364 456">(1) Firmware version 2LF_2000.000.000 2010.10.27 [XXXXXXXX] [XXXXXXXX] [XXXXXXXX] [XXXXXXXX]</p> <table border="0" data-bbox="347 497 1364 929"> <tr> <td colspan="3" data-bbox="347 497 790 524">(8) Paper Jam Log</td> <td colspan="4" data-bbox="790 497 1364 524">(12) Counter Log</td> </tr> <tr> <td data-bbox="391 528 406 555">#</td> <td data-bbox="438 528 518 555">Count.</td> <td data-bbox="566 528 758 555">Event Descriptions</td> <td data-bbox="805 528 821 555">(f)</td> <td data-bbox="869 528 949 555">J0000: 0</td> <td data-bbox="997 528 1077 555">J0041: 1</td> <td data-bbox="1125 528 1141 555">(g)</td> <td data-bbox="1189 528 1268 555">C0000: 0</td> <td data-bbox="1316 528 1332 555">(h)</td> <td data-bbox="1380 528 1428 555">T00: 10</td> </tr> <tr> <td>16</td> <td>9999999</td> <td>0501.01.08.01.01</td> <td></td> <td>J0001: 1</td> <td>J0042: 1</td> <td></td> <td>C0001: 1</td> <td></td> <td>T01: 20</td> </tr> <tr> <td>15</td> <td>8888888</td> <td>4002.01.08.01.01</td> <td></td> <td>J0002: 11</td> <td>J0043: 1</td> <td></td> <td>C0002: 2</td> <td></td> <td>T02: 30</td> </tr> <tr> <td>14</td> <td>7777777</td> <td>0501.01.08.01.01</td> <td></td> <td>J0003: 222</td> <td>J0044: 1</td> <td></td> <td>C0003: 3</td> <td></td> <td>T03: 40</td> </tr> <tr> <td>13</td> <td>6666666</td> <td>4002.01.08.01.01</td> <td></td> <td>J0004: 1</td> <td>J0045: 1</td> <td></td> <td>C0004: 4</td> <td></td> <td>T04: 50</td> </tr> <tr> <td>12</td> <td>5555555</td> <td>0501.01.08.01.01</td> <td></td> <td>J0005: 1</td> <td>J0046: 1</td> <td></td> <td>C0005: 5</td> <td></td> <td>T05: 999</td> </tr> <tr> <td>11</td> <td>4444444</td> <td>4002.01.08.01.01</td> <td></td> <td>J0006: 1</td> <td>J0047: 1</td> <td></td> <td>C0006: 6</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>3333333</td> <td>0501.01.08.01.01</td> <td></td> <td>J0007: 1</td> <td>J0048: 1</td> <td></td> <td>C0007: 7</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>2222222</td> <td>4002.01.08.01.01</td> <td></td> <td>J0008: 1</td> <td>J0049: 1</td> <td></td> <td>C0008: 8</td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>1111111</td> <td>0501.01.08.01.01</td> <td></td> <td>J0009: 1</td> <td>J0050: 1</td> <td></td> <td>C0009: 9</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>9999999</td> <td>4002.01.08.01.01</td> <td></td> <td>J0010: 1</td> <td></td> <td></td> <td>C0010: 10</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>8888888</td> <td>0501.01.08.01.01</td> <td></td> <td>J0011: 1</td> <td></td> <td></td> <td>C0011: 11</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>7777777</td> <td>4002.01.08.01.01</td> <td></td> <td>J0012: 999</td> <td></td> <td></td> <td>C0012: 12</td> <td></td> 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Event Descriptions	(f)	J0000: 0	J0041: 1	(g)	C0000: 0	(h)	T00: 10	16	9999999	0501.01.08.01.01		J0001: 1	J0042: 1		C0001: 1		T01: 20	15	8888888	4002.01.08.01.01		J0002: 11	J0043: 1		C0002: 2		T02: 30	14	7777777	0501.01.08.01.01		J0003: 222	J0044: 1		C0003: 3		T03: 40	13	6666666	4002.01.08.01.01		J0004: 1	J0045: 1		C0004: 4		T04: 50	12	5555555	0501.01.08.01.01		J0005: 1	J0046: 1		C0005: 5		T05: 999	11	4444444	4002.01.08.01.01		J0006: 1	J0047: 1		C0006: 6			10	3333333	0501.01.08.01.01		J0007: 1	J0048: 1		C0007: 7			9	2222222	4002.01.08.01.01		J0008: 1	J0049: 1		C0008: 8			8	1111111	0501.01.08.01.01		J0009: 1	J0050: 1		C0009: 9			7	9999999	4002.01.08.01.01		J0010: 1			C0010: 10			6	8888888	0501.01.08.01.01		J0011: 1			C0011: 11			5	7777777	4002.01.08.01.01		J0012: 999			C0012: 12			4	6666666	0501.01.08.01.01		J0013: 1			C0013: 13			3	5555555	4002.01.08.01.01		J0014: 1			C0014: 14			2	4444444	0501.01.08.01.01		J0015: 1			C0015: 15			1	3333333	4002.01.08.01.01		J0016: 1			C0016: 16			(9) Service Call Log			#	Count.	Service Code	8	1111111	01.6000	7	9999999	01.2100	6	8888888	01.4000	5	7777777	01.6000	4	6666666	01.2100	3	5555555	01.4000	2	4444444	01.6000	1	1	01.2100	(10) Maintenance Log			#	Count.	Item.			Log Data Nothing...	(11) Unknown toner Log			#	Count.	Item.	5	1111111	01.00	4	9999999	01.00	3	8888888	01.00	2	7777777	01.00	1	6666666	01.00
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13	6666666	4002.01.08.01.01		J0004: 1	J0045: 1		C0004: 4		T04: 50																																																																																																																																																																																																																																					
12	5555555	0501.01.08.01.01		J0005: 1	J0046: 1		C0005: 5		T05: 999																																																																																																																																																																																																																																					
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9	2222222	4002.01.08.01.01		J0008: 1	J0049: 1		C0008: 8																																																																																																																																																																																																																																							
8	1111111	0501.01.08.01.01		J0009: 1	J0050: 1		C0009: 9																																																																																																																																																																																																																																							
7	9999999	4002.01.08.01.01		J0010: 1			C0010: 10																																																																																																																																																																																																																																							
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1	6666666	01.00																																																																																																																																																																																																																																												

Figure 1-3-1

Detail of event log

No.	Items	Description
(1)	System version	
(2)	System date	
(3)	Engine soft version	
(4)	Engine boot version	

Item No.	Description				
U000	Detail of event log				
	No.	Items	Description		
	(5)	Controller BROM version			
	(6)	Operation panel mask version			
	(7)	Machine serial number			
	(8)	Paper Jam Log	#	Count.	Event
			Remembers 1 to 16 of occurrence. If the occurrence of the previous paper jam is less than 16, all of the paper jams are logged. When the occurrence exceeds 16, the oldest occurrence is removed.	The total page count at the time of the paper jam.	Log code (hexadecimal, 5 categories) (a) Cause of a paper jam (b) Paper source (c) Paper size (d) Paper type (e) Paper eject
			(a) Cause of paper jam (Hexadecimal)		
			For details on the case of paper jam, refer to Paper Misfeed Detection. (P.1-4-1)		
			(b) Detail of paper source (Hexadecimal)		
		00: MP tray 01: Cassette 1 02: Cassette 2 03: Cassette 3 (paper feeder/large capacity feeder) 04: Cassette 4 (paper feeder/large capacity feeder) 05: Cassette 5 (side multi tray/side deck) 06: Cassette 6 (side paper feeder/side large capacity feeder) 07: Cassette 7 (side paper feeder/side large capacity feeder) 08 to 09: Reserved			
		(c) Detail of paper size (Hexadecimal)			
		00: (Not specified) 01: Monarch 02: Business 03: International DL 04: International C5 05: Executive 06: Letter-R 08: Letter-E 07: Legal 08: A4R 88: A4E 09: B5R 89: B5E 0A: A3	0B: B4 0C: Ledger 0D: A5R 0E: A6 0F: B6 10: Commercial #9 11: Commercial #6 12: ISO B5 13: Custom size 1E: C4 1F: Postcard 20: Reply-paid postcard 21: Oficio II	22: Special 1 23: Special 2 24: A3 wide 25: Ledger wide 26: Full bleed paper (12 x 8) 27: 8K 28: 16K-R A8: 16K-E 32: Statement-R B2: Statement-E 33: Folio 34: Western type 2 35: Western type 4	

Item No.	Description																																																																																																																																						
U000																																																																																																																																							
	(8) cont.	Paper Jam Log	<table border="1"> <thead> <tr> <th data-bbox="584 277 855 322">No.</th> <th data-bbox="855 277 1137 322">Items</th> <th data-bbox="1137 277 1439 322">Description</th> </tr> </thead> <tbody> <tr> <td colspan="3" data-bbox="584 322 1439 367">(d) Detail of paper type (Hexadecimal)</td> </tr> <tr> <td data-bbox="584 367 855 389">01:</td> <td data-bbox="855 367 1137 389">Plain</td> <td data-bbox="1137 367 1439 389">0A: Color</td> </tr> <tr> <td data-bbox="584 389 855 412">02:</td> <td data-bbox="855 389 1137 412">Transparency</td> <td data-bbox="1137 389 1439 412">0B: Prepunched</td> </tr> <tr> <td data-bbox="584 412 855 434">03:</td> <td data-bbox="855 412 1137 434">Preprinted</td> <td data-bbox="1137 412 1439 434">0C: Envelope</td> </tr> <tr> <td data-bbox="584 434 855 456">04:</td> <td data-bbox="855 434 1137 456">Labels</td> <td data-bbox="1137 434 1439 456">0D: Cardstock</td> </tr> <tr> <td data-bbox="584 456 855 479">05:</td> <td data-bbox="855 456 1137 479">Bond</td> <td data-bbox="1137 456 1439 479">0E: Coated</td> </tr> <tr> <td data-bbox="584 479 855 501">06:</td> <td data-bbox="855 479 1137 501">Recycled</td> <td data-bbox="1137 479 1439 501">0F: 2nd side</td> </tr> <tr> <td data-bbox="584 501 855 524">07:</td> <td data-bbox="855 501 1137 524">Vellum</td> <td data-bbox="1137 501 1439 524">10: Media 16</td> </tr> <tr> <td data-bbox="584 524 855 546">08:</td> <td data-bbox="855 524 1137 546">Rough</td> <td data-bbox="1137 524 1439 546">11: High quality</td> </tr> <tr> <td data-bbox="584 546 855 568">09:</td> <td data-bbox="855 546 1137 568">Letterhead</td> <td data-bbox="1137 546 1439 568">15: Custom 1</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 568 1439 591">16: Custom 2</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 591 1439 613">17: Custom 3</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 613 1439 636">18: Custom 4</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 636 1439 658">19: Custom 5</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 658 1439 680">1A: Custom 6</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 680 1439 703">1B: Custom 7</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1137 703 1439 725">1C: Custom 8</td> </tr> <tr> <td colspan="3" data-bbox="584 725 1439 770">(e) Detail of paper eject location (Hexadecimal)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 770 1439 792">01: Face down (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 792 1439 815">02: Face up (FU)/1000-sheet finisher face up (FU)/</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 815 1439 837">4000-sheet finisher left sub tray (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 837 1439 860">03: 1000-sheet finisher face down (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 860 1439 882">4000-sheet finisher main tray (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 882 1439 904">05: Job separator tray</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 904 1439 927">06: 4000-sheet finisher right sub tray (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 927 1439 949">07: 4000-sheet finisher left sub tray (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 949 1439 972">09: 4000-sheet finisher right sub tray (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 972 1439 994">0A: Center-folding unit tray</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 994 1439 1016">0B: Mailbox tray 1 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1016 1439 1039">0C: Mailbox tray 1 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1039 1439 1061">15: Mailbox tray 2 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1061 1439 1084">16: Mailbox tray 2 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1084 1439 1106">1F: Mailbox tray 3 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1106 1439 1128">20: Mailbox tray 3 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1128 1439 1151">29: Mailbox tray 4 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1151 1439 1173">2A: Mailbox tray 4 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1173 1439 1196">33: Mailbox tray 5 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1196 1439 1218">34: Mailbox tray 5 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1218 1439 1240">3D: Mailbox tray 6 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1240 1439 1263">3E: Mailbox tray 6 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1263 1439 1285">47: Mailbox tray 7 (FD)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1285 1439 1308">48: Mailbox tray 7 (FU)</td> </tr> <tr> <td></td> <td></td> <td data-bbox="584 1308 1439 1330">04/0D/0E: Reserved</td> </tr> </tbody> </table>	No.	Items	Description	(d) Detail of paper type (Hexadecimal)			01:	Plain	0A: Color	02:	Transparency	0B: Prepunched	03:	Preprinted	0C: Envelope	04:	Labels	0D: Cardstock	05:	Bond	0E: Coated	06:	Recycled	0F: 2nd side	07:	Vellum	10: Media 16	08:	Rough	11: High quality	09:	Letterhead	15: Custom 1			16: Custom 2			17: Custom 3			18: Custom 4			19: Custom 5			1A: Custom 6			1B: Custom 7			1C: Custom 8	(e) Detail of paper eject location (Hexadecimal)					01: Face down (FD)			02: Face up (FU)/1000-sheet finisher face up (FU)/			4000-sheet finisher left sub tray (FU)			03: 1000-sheet finisher face down (FD)			4000-sheet finisher main tray (FD)			05: Job separator tray			06: 4000-sheet finisher right sub tray (FU)			07: 4000-sheet finisher left sub tray (FD)			09: 4000-sheet finisher right sub tray (FD)			0A: Center-folding unit tray			0B: Mailbox tray 1 (FD)			0C: Mailbox tray 1 (FU)			15: Mailbox tray 2 (FD)			16: Mailbox tray 2 (FU)			1F: Mailbox tray 3 (FD)			20: Mailbox tray 3 (FU)			29: Mailbox tray 4 (FD)			2A: Mailbox tray 4 (FU)			33: Mailbox tray 5 (FD)			34: Mailbox tray 5 (FU)			3D: Mailbox tray 6 (FD)			3E: Mailbox 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Item No.	Description								
U000	<table border="1"> <thead> <tr> <th data-bbox="295 280 375 324">No.</th> <th data-bbox="375 280 558 324">Items</th> <th colspan="3" data-bbox="558 280 1422 324">Description</th> </tr> </thead> </table>				No.	Items	Description		
	No.	Items	Description						
	(9)	Service Call Log	<p>#</p> <p>Remembers 1 to 8 of occurrence of self diagnostics error. If the occurrence of the previous diagnostics error is less than 8, all of the diagnostics errors are logged.</p>	<p>Count.</p> <p>The total page count at the time of the self diagnostics error.</p>	<p>Service Code</p> <p>Self diagnostic error code (See page 1-4-233)</p> <p>0X:YYYY Where 0X is: 01: Service Call/ System error has occurred 02: after Service Call has occurred, power is turned on and off, and disconnection has been executed</p> <p>YYYY is a self-diagnostics error code Example: 01.6000</p>				
	(10)	Maintenance Log	<p>#</p> <p>Remembers 1 to 8 of occurrence of replacement. If the occurrence of the previous replacement of toner container is less than 8, all of the occurrences of replacement are logged.</p>	<p>Count.</p> <p>The total page count at the time of the replacement of the toner container.</p> <p>* :The toner replacement log is triggered by toner empty. This record may contain such a reference as the toner container is inserted twice or a used toner container is inserted.</p>	<p>Item</p> <p>Code of maintenance replacing item (1 byte, 2 categories)</p> <p>First byte (Replacing item) 01: Toner container Second byte (Type of replacing item) 00: Black</p> <p>First byte (Replacing item) 02: Maintenance kit Second byte (Type of replacing item) 01: MK-6705A 03: MK-6705C</p>				
	(11)	Unknown Toner Log	<p>#</p> <p>Remembers 1 to 5 of occurrence of unknown toner detection. If the occurrence of the previous unknown toner detection is less than 5, all of the unknown toner detection are logged.</p>	<p>Count.</p> <p>The total page count at the time of the toner empty error with using an unknown toner container.</p>	<p>Item</p> <p>Unknown toner log code (1 byte, 2 categories)</p> <p>First byte 01: Toner container (Fixed) Second byte 00: Black</p>				

Item No.	Description			
U000	No.	Items	Description	
	(12)	Counter Log Comprised of three log counters including paper jams, self diagnostics errors, and replacement of the toner container.	(f) Paper jam Indicates the log counter of paper jams depending on location. Refer to Paper Jam Log. All instances including those are not occurred are displayed.	(g) Self diagnostic error Indicates the log counter of self diagnostics errors depending on cause. Example: C6000: 4 Self diagnostics error 6000 has happened four times.

Item No.	Description
U000	<p data-bbox="287 241 582 275">Service status page (1)</p> <div data-bbox="295 302 1420 1803" style="border: 1px solid black; padding: 10px;"> <p data-bbox="327 324 766 376">Service Status Page</p> <p data-bbox="327 376 391 403">MFP</p> <p data-bbox="1173 369 1372 398">(2) 17/04/2011 12:00</p> <p data-bbox="319 425 798 454">(1) Firmware version 2LF_2000.000.000 2011.04.17</p> <p data-bbox="1005 403 1380 454">(3) [XXXXXXXX] (4) [XXXXXXXX] (5) [XXXXXXXX]</p> <hr/> <p data-bbox="343 504 630 533">Controller Information</p> <p data-bbox="343 548 494 577">Memory status</p> <p data-bbox="319 571 662 600">(7) Total Size 2.0 GB</p> <p data-bbox="343 622 399 649">Time</p> <p data-bbox="319 645 766 674">(8) Local Time Zone +01:00 Amsterdam</p> <p data-bbox="319 672 758 701">(9) Date and Time 27/10/2010 12:00</p> <p data-bbox="319 698 718 728">(10) Time Server 10.183.53.13</p> <p data-bbox="343 750 518 779">Installed Options</p> <p data-bbox="303 772 766 1086"> (11) Document Processor Installed (12) Paper feeder Cassette (500 x 2) (13) Side feeder Not Installed (14) Finisher 1000-Finisher (15) Job Separator Installed (16) Document Guaeed (A) Installed (17) Card Authentication Kit (B) Installed (18) Internet FAX Kit (A) Installed (19) Security Kit (E) Installed Data Security Kit (E) Software Type I (20) UG-34 Installed (21) USB Keyboard Connected (22) USB Keyboard Type US-English </p> <p data-bbox="343 1120 494 1149">Print Coverage</p> <p data-bbox="303 1142 837 1411"> (23) Average(%) / Usage Page(A4/Letter Conversion) (24) Total K: 1.10 / 1111111.11 (25) Copy K: 1.10 / 1111111.11 (26) Printer K: 1.10 / 1111111.11 (27) FAX K: 1.10 / 1111111.11 (28) Period (27/10/2010 - 03/11/2010 08:40) (29) Last Page(%) 1.00 </p> <p data-bbox="853 504 1173 533">(30) FAX Information Slot1/Slot2</p> <p data-bbox="853 533 1133 562">(31) Rings (Normal) 3</p> <p data-bbox="853 560 1133 589">(32) Rings (FAX/TEL) 3</p> <p data-bbox="853 586 1133 616">(33) Rings (TAD) 3</p> <p data-bbox="853 613 1173 642">(34) Option DIMM Size 16 MB</p> <p data-bbox="853 672 1029 701">(35) FRPO Status</p> <p data-bbox="893 698 1340 728">Default Pattern Switch B8 0</p> <p data-bbox="893 725 1388 754">Default Font Number C5*1000+C2*100+C3 00000</p> <p data-bbox="893 1299 1340 1328">e-MPS error control Y6 0</p> <p data-bbox="893 1366 989 1395">RP Code</p> <p data-bbox="853 1393 1053 1422">(36) 1234 5678 9012</p> <p data-bbox="853 1420 1053 1449">(37) 5678 9012 3456</p> <p data-bbox="853 1447 1053 1476">(38) 9012 3456 7890</p> <p data-bbox="853 1473 1053 1503">(39) 3456 7890 1234</p> <hr/> <p data-bbox="829 1736 845 1765">1</p> <p data-bbox="1189 1736 1380 1765">(6) [XXXXXXXXXX]</p> </div>

Figure 1-3-2

Item No.	Description		
U000	Detail of service status page		
	No.	Description	Supplement
	(1)	Firmware version	-
	(2)	System date	-
	(3)	Engine soft version	-
	(4)	Engine boot version	-
	(5)	Operation panel mask version	-
	(6)	Machine serial number	-
	(7)	Total memory size	-
	(8)	Local time zone	-
	(9)	Report output date	Day/Month/Year hour:minute
	(10)	NTP server name	-
	(11)	Presence or absence of the document processor	Installed/Not installed
	(12)	Presence or absence of the paper feeder	Paper feeder/Large capacity feeder/Not Installed
	(13)	Presence or absence of the side feeder	Side deck/Side multi tray/Side paper feeder/ Side large capacity feeder/Not Installed
	(14)	Presence or absence of the finisher	1000-sheet finisher/4000-sheet finisher/ Not Installed
	(15)	Presence or absence of the job separator	Installed/Not Installed
	(16)	Presence or absence of the printed document guard kit	Installed/Not Installed
	(17)	Presence or absence of the IC card authentication kit	Installed/Not Installed/Trial
	(18)	Presence or absence of the internet fax kit	Installed/Not Installed
	(19)	Presence or absence of the data security kit	Installed/Not Installed
	(20)	Presence or absence of the UG-34	Installed/Not Installed
	(21)	Presence or absence of the USB keyboard	Connected/Not connected
	(22)	USB keyboard setting display	US-English/US-English with Euro/German/French
	(23)	Page of relation to the A4/Letter	* :Print Coverage provides a close-matching reference of toner consumption and will not match with the actual toner consumption.
	(24)	Average coverage for total	-
(25)	Average coverage for copy	-	
(26)	Average coverage for printer	-	

Item No.	Description		
U000	No.	Description	Supplement
	(27)	Average coverage for fax	-
	(28)	Cleared date and output date	-
	(29)	Coverage on the final output page	-
	(30)	Fax kit information	This item is printed only when the fax kit is installed.
	(31)	Number of rings	0 to 15
	(32)	Number of rings before automatic switching	0 to 15
	(33)	Number of rings before connecting to answering machine	0 to 15
	(34)	Optional DIMM size	-
	(35)	FRPO setting	-
	(36)	RP code	Code the engine software version and the date of update.
	(37)	RP code	Code the main software version and the date of update.
	(38)	RP code	Code the engine software version and the date of the previous update.
	(39)	RP code	Code the main software version and the date of the previous update.
	(40)	NV RAM version	<p>_ 1F3 1225 _ 1F3 1225 (a) (b) (c) (d) (e) (f)</p> <p>(a) Consistency of the present software version and the database _ (underscore): OK * (Asterisk): NG</p> <p>(b) Database version (c) The oldest time stamp of database version (d) Consistency of the present software version and the ME firmware version _ (underscore): OK * (Asterisk): NG</p> <p>(e) ME firmware version (f) The oldest time stamp of the ME database version</p> <p>Normal if (a) and (d) are underscored, and (b) and (e) are identical with (c) and (f).</p>
(41)	Scanner firmware version	-	
(42)	Fax firmware version	This item is printed only when the fax kit is installed.	

Item No.	Description			
U000	No.	Description	Supplement	
	(43)	Mac address	-	
	(44)	The last sent date and time	-	
	(45)	Transmission address	-	
	(46)	Destination information	-	
	(47)	Area information	-	
	(48)	Margin settings	Top margin/Left margin	
	(49)	Margin/Page length/Page width settings	Top margin integer part/Top margin decimal part/ Left margin integer part/Left margin decimal part/ Page length integer part/Page length decimal part/ Page width integer part/Page width decimal part	
		Life counter (The first line)	Machine life/MP tray/Cassette 1/Cassette 2/ Cassette 3/Cassette 4/Cassette 5/Cassette 6/ Cassette 7/Duplex	
	(50)	Life counter (The second line)	Drum unit/Transfer belt unit/Developer unit/ Maintenance kit A/Maintenance kit B	
	(51)	Panel lock information	0: Off/1: Partial lock/2: Full lock	
	(52)	USB information	U00: Not installed/U01: Full speed/U02: Hi speed	
	(53)	Paper handling information	0: Paper source unit select/1: Paper source unit	
	(54)	Black and white printing double count mode	0: All single counts 1: A3, Single count, Less than 420 mm (length) 2: Legal, Single count, 356 mm or less (length) 3: Folio, Single count, Less than 330 mm (length)	
	(55)	Billing counting timing	-	
	(56)	Temperature (machine outside)	-	
	(57)	Relative humidity (machine outside)	-	
	(58)	Fixed assets number	-	
	(59)	Job end judgment time-out time	-	
	(60)	Job end detection mode	-	
	(61)	Prescribe environment reset	0: Off/1: On	
	(62)	Media type attributes 1 to 28 (Not used: 18, 19, 20) * : For details on settings, refer to the MDAT command of the "Prescribe Commands Reference Manual".	Weight settings 0: Light 1: Normal 1 2: Normal 2 3: Normal 3 4: Heavy 1 5: Heavy 2 6: Heavy 3 7: Extra Heavy	Fuser settings 0: High 1: Middle 2: Low 3: Vellum Duplex settings 0: Disable 1: Enable

Item No.	Description																							
U000	No.	Description	Supplement																					
	(63)	Calibration information	-																					
	(64)	Calibration information	-																					
	(65)	Calibration information	-																					
	(66)	Calibration information	-																					
	(67)	Calibration information	-																					
	(68)	Calibration information	-																					
	(69)	Calibration information	-																					
	(70)	Calibration information	-																					
	(71)	Calibration information	-																					
	(72)	RFID information	-																					
	(73)	RFID reader/writer version information	-																					
	(74)	Maintenance information	-																					
	(75)	Altitude	0: Standard 1: High altitude 1 2: High altitude 2																					
	(76)	Charger roller correction	1 to 5																					
	(77)	Data Sanitization information	-																					
	(78)	Toner low setting	0: Enabled 1: Disabled																					
	(79)	Toner low detection level	0 to 100 (%)																					
	(80)	Drum serial number	-																					
		<p style="text-align: center;">Code conversion</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td> </tr> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>			A	B	C	D	E	F	G	H	I	J	0	1	2	3	4	5	6	7	8	9
	A	B	C	D	E	F	G	H	I	J														
	0	1	2	3	4	5	6	7	8	9														

Item No.	Description												
U001	<p>Exiting the maintenance mode</p> <p>Description Exits the maintenance mode and returns to the normal copy mode.</p> <p>Purpose To exit the maintenance mode.</p> <p>Method 1. Press the start key. The normal copy mode is entered.</p>												
U002	<p>Setting the factory default data</p> <p>Description Restores the machine conditions to the factory default settings.</p> <p>Purpose To move the mirror frame of the scanner to the position for transport. * : The parameter settings within the system menu will also be reset to the factory-set values.</p> <p>Method 1. Press the start key. 2. Select [Mode1(All)]. 3. Press the start key. The mirror frame of the scanner returns to the home position. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. * : An error code is displayed in case of an initialization error. When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U002.</p> <p>Error codes</p> <table border="1" data-bbox="336 1267 1401 1559"> <thead> <tr> <th data-bbox="336 1267 639 1317">Codes</th> <th data-bbox="639 1267 1401 1317">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1317 639 1361">0001</td> <td data-bbox="639 1317 1401 1361">Entity error</td> </tr> <tr> <td data-bbox="336 1361 639 1406">0002</td> <td data-bbox="639 1361 1401 1406">Controller error</td> </tr> <tr> <td data-bbox="336 1406 639 1451">0003</td> <td data-bbox="639 1406 1401 1451">OS error</td> </tr> <tr> <td data-bbox="336 1451 639 1496">0020</td> <td data-bbox="639 1451 1401 1496">Engine error</td> </tr> <tr> <td data-bbox="336 1496 639 1559">0040</td> <td data-bbox="639 1496 1401 1559">Scanner error</td> </tr> </tbody> </table>	Codes	Description	0001	Entity error	0002	Controller error	0003	OS error	0020	Engine error	0040	Scanner error
Codes	Description												
0001	Entity error												
0002	Controller error												
0003	OS error												
0020	Engine error												
0040	Scanner error												

Item No.	Description										
U003	<p>Setting the service telephone number</p> <p>Description Sets the telephone number to be displayed when a service call code is detected.</p> <p>Purpose To set the telephone number to call service when installing the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. The keys to enter the number are displayed on the touch panel. 2. Enter a telephone number (up to 15 digits). 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>										
U004	<p>Setting the machine number</p> <p>Description Sets or displays the machine number.</p> <p>Purpose To check or set the machine number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. If the machine serial number of engine PWB matches with that of main PWB <table border="1" data-bbox="336 1131 1401 1227"> <thead> <tr> <th data-bbox="336 1131 641 1176">Display</th> <th data-bbox="641 1131 1401 1176">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1176 641 1227">Machine No.</td> <td data-bbox="641 1176 1401 1227">Displays the machine serial number</td> </tr> </tbody> </table> <p>If the machine serial number of engine PWB does not match with that of main PWB</p> <table border="1" data-bbox="336 1283 1401 1429"> <thead> <tr> <th data-bbox="336 1283 641 1328">Display</th> <th data-bbox="641 1283 1401 1328">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1328 641 1373">Machine No.(Main)</td> <td data-bbox="641 1328 1401 1373">Displays the machine serial number of main</td> </tr> <tr> <td data-bbox="336 1373 641 1429">Machine No.(Eng)</td> <td data-bbox="641 1373 1401 1429">Displays the machine serial number of engine</td> </tr> </tbody> </table> <p>Setting Carry out if the machine serial number does not match.</p> <ol style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. Writing of serial No. starts. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Machine No.	Displays the machine serial number	Display	Description	Machine No.(Main)	Displays the machine serial number of main	Machine No.(Eng)	Displays the machine serial number of engine
Display	Description										
Machine No.	Displays the machine serial number										
Display	Description										
Machine No.(Main)	Displays the machine serial number of main										
Machine No.(Eng)	Displays the machine serial number of engine										

Item No.	Description								
U010	<p data-bbox="290 241 715 271">Setting the maintenance mode ID</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 667 374">Sets the maintenance mode ID.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 852 443">Modify maintenance mode ID for more security.</p> <p data-bbox="290 483 387 512">Method</p> <p data-bbox="306 517 564 546">1. Press the start key.</p> <table border="1" data-bbox="336 562 1401 757"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 651">New ID</td> <td data-bbox="639 607 1401 651">Enter a new 8-digit ID</td> </tr> <tr> <td data-bbox="336 651 639 696">New ID(Reconfirm)</td> <td data-bbox="639 651 1401 696">Enter a new 8-digit ID (to confirm)</td> </tr> <tr> <td data-bbox="336 696 639 757">Initialize</td> <td data-bbox="639 696 1401 757">Initialize the ID</td> </tr> </tbody> </table> <p data-bbox="290 797 384 826">Setting</p> <p data-bbox="306 831 1289 1003">1. Select [New ID]. 2. Enter a new 8-digit ID on ten keys (0 – 9, *, #). * and # are mandatory to contain. 3. Select [New ID(Reconfirm)]. 4. Enter a new 8-digit ID on ten keys (0 – 9, *, #). 5. Press the start key. The setting is set.</p> <p data-bbox="290 1043 528 1072">Method: [Initialize]</p> <p data-bbox="306 1077 751 1142">1. Select [Initialize]. 2. Press the start key. ID is initialized.</p> <p data-bbox="290 1182 440 1211">Completion</p> <p data-bbox="290 1216 1257 1245">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	New ID	Enter a new 8-digit ID	New ID(Reconfirm)	Enter a new 8-digit ID (to confirm)	Initialize	Initialize the ID
Display	Description								
New ID	Enter a new 8-digit ID								
New ID(Reconfirm)	Enter a new 8-digit ID (to confirm)								
Initialize	Initialize the ID								

Item No.	Description																																																										
U019	<p data-bbox="288 241 651 275">Displaying the ROM version</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 970 374">Displays the part number of the ROM fitted to each PWB.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1238 443">To check the part number or to decide, if the newest version of ROM is installed.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 954 584" style="list-style-type: none"> 1. Press the start key. The ROM version are displayed. 2. Change the screen using the cursor up/down keys. <table border="1" data-bbox="336 598 1401 1986"> <thead> <tr> <th data-bbox="336 598 639 642">Display</th> <th data-bbox="639 598 1401 642">Description</th> </tr> </thead> <tbody> <tr><td>Main</td><td>Main ROM</td></tr> <tr><td>MMI</td><td>Operation ROM</td></tr> <tr><td>Browser</td><td>Browser ROM</td></tr> <tr><td>Engine</td><td>Engine ROM</td></tr> <tr><td>Engine Boot</td><td>Engine booting</td></tr> <tr><td>Scanner</td><td>Scanner ROM</td></tr> <tr><td>Scanner Boot</td><td>Scanner booting</td></tr> <tr><td>RFID</td><td>RFID ROM</td></tr> <tr><td>Dictionary</td><td>-</td></tr> <tr><td>Option Language</td><td>Optional language ROM</td></tr> <tr><td>PDF1.7 Resource</td><td>PDF1.7 resource ROM</td></tr> <tr><td>Solution Framework</td><td>Framework ROM</td></tr> <tr><td>FMU</td><td>FMU ROM</td></tr> <tr><td>Weekly Timer</td><td>Weekly Timer ROM</td></tr> <tr><td>DP</td><td>Document processor ROM</td></tr> <tr><td>DP Boot</td><td>Document processor booting</td></tr> <tr><td>DP SSW</td><td>Document processor multi feed sensor</td></tr> <tr><td>PF1</td><td>Large capacity feeder ROM</td></tr> <tr><td>PF1 Boot</td><td>Large capacity feeder booting</td></tr> <tr><td>Side PF</td><td>Side multi tray / Side deck ROM</td></tr> <tr><td>Side PF Boot</td><td>Side multi tray / Side deck booting</td></tr> <tr><td>SMT SSW</td><td>Side multi tray multi feed sensor</td></tr> <tr><td>PF2</td><td>Side paper feeder / Side large capacity feeder ROM</td></tr> <tr><td>PF2 Boot</td><td>Side paper feeder / Side large capacity feeder booting</td></tr> <tr><td>DF</td><td>4000-sheet finisher ROM</td></tr> <tr><td>DF Boot</td><td>4000-sheet finisher booting</td></tr> <tr><td>PH</td><td>Punch unit ROM</td></tr> <tr><td>PH Boot</td><td>Punch unit booting</td></tr> </tbody> </table>	Display	Description	Main	Main ROM	MMI	Operation ROM	Browser	Browser ROM	Engine	Engine ROM	Engine Boot	Engine booting	Scanner	Scanner ROM	Scanner Boot	Scanner booting	RFID	RFID ROM	Dictionary	-	Option Language	Optional language ROM	PDF1.7 Resource	PDF1.7 resource ROM	Solution Framework	Framework ROM	FMU	FMU ROM	Weekly Timer	Weekly Timer ROM	DP	Document processor ROM	DP Boot	Document processor booting	DP SSW	Document processor multi feed sensor	PF1	Large capacity feeder ROM	PF1 Boot	Large capacity feeder booting	Side PF	Side multi tray / Side deck ROM	Side PF Boot	Side multi tray / Side deck booting	SMT SSW	Side multi tray multi feed sensor	PF2	Side paper feeder / Side large capacity feeder ROM	PF2 Boot	Side paper feeder / Side large capacity feeder booting	DF	4000-sheet finisher ROM	DF Boot	4000-sheet finisher booting	PH	Punch unit ROM	PH Boot	Punch unit booting
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RFID	RFID ROM																																																										
Dictionary	-																																																										
Option Language	Optional language ROM																																																										
PDF1.7 Resource	PDF1.7 resource ROM																																																										
Solution Framework	Framework ROM																																																										
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PH	Punch unit ROM																																																										
PH Boot	Punch unit booting																																																										

Item No.	Description																								
U019	<table border="1" data-bbox="336 286 1401 891"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 639 376">MT</td> <td data-bbox="639 331 1401 376">Mailbox ROM</td> </tr> <tr> <td data-bbox="336 376 639 421">MT Boot</td> <td data-bbox="639 376 1401 421">Mailbox booting</td> </tr> <tr> <td data-bbox="336 421 639 465">BF</td> <td data-bbox="639 421 1401 465">Center-folding unit ROM</td> </tr> <tr> <td data-bbox="336 465 639 510">BF Boot</td> <td data-bbox="639 465 1401 510">Center-folding unit booting</td> </tr> <tr> <td data-bbox="336 510 639 555">Fax APL1</td> <td data-bbox="639 510 1401 555">Fax APL 1</td> </tr> <tr> <td data-bbox="336 555 639 600">Fax Boot1</td> <td data-bbox="639 555 1401 600">Fax booting 1</td> </tr> <tr> <td data-bbox="336 600 639 645">Fax IPL1</td> <td data-bbox="639 600 1401 645">Fax IPL 1</td> </tr> <tr> <td data-bbox="336 645 639 689">Fax APL2</td> <td data-bbox="639 645 1401 689">Fax APL 2 (dual Fax)</td> </tr> <tr> <td data-bbox="336 689 639 734">Fax Boot2</td> <td data-bbox="639 689 1401 734">Fax booting 2 (dual Fax)</td> </tr> <tr> <td data-bbox="336 734 639 779">Fax IPL2</td> <td data-bbox="639 734 1401 779">Fax IPL 2 (dual Fax)</td> </tr> <tr> <td data-bbox="336 779 639 891">Application Name 01-16</td> <td data-bbox="639 779 1401 891">Application software</td> </tr> </tbody> </table> <p data-bbox="288 936 440 965">Completion</p> <p data-bbox="288 969 1254 999">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MT	Mailbox ROM	MT Boot	Mailbox booting	BF	Center-folding unit ROM	BF Boot	Center-folding unit booting	Fax APL1	Fax APL 1	Fax Boot1	Fax booting 1	Fax IPL1	Fax IPL 1	Fax APL2	Fax APL 2 (dual Fax)	Fax Boot2	Fax booting 2 (dual Fax)	Fax IPL2	Fax IPL 2 (dual Fax)	Application Name 01-16	Application software
Display	Description																								
MT	Mailbox ROM																								
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Fax Boot1	Fax booting 1																								
Fax IPL1	Fax IPL 1																								
Fax APL2	Fax APL 2 (dual Fax)																								
Fax Boot2	Fax booting 2 (dual Fax)																								
Fax IPL2	Fax IPL 2 (dual Fax)																								
Application Name 01-16	Application software																								

Item No.	Description										
U021	<p data-bbox="288 241 533 275">Memory initializing</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1422 445">Initializes all settings, except those pertinent to the type of machine, namely each counter, service call history and mode setting. Also initializes backup RAM according to region specification selected in maintenance item U252 Setting the destination.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 922 515">To return the machine settings to their factory default.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 589 1382 757" style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. All data other than that for adjustments due to variations between machines is initialized based on the destination setting. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="336 761 1059 790">* : An error code is displayed in case of an initialization error.</p> <p data-bbox="371 795 1426 860">When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U021.</p> <p data-bbox="336 898 488 927">Error codes</p> <table border="1" data-bbox="336 943 1399 1182"> <thead> <tr> <th data-bbox="336 943 639 987">Codes</th> <th data-bbox="639 943 1399 987">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 987 639 1032">0001</td> <td data-bbox="639 987 1399 1032">Entity error</td> </tr> <tr> <td data-bbox="336 1032 639 1077">0002</td> <td data-bbox="639 1032 1399 1077">Controller error</td> </tr> <tr> <td data-bbox="336 1077 639 1122">0020</td> <td data-bbox="639 1077 1399 1122">Engine error</td> </tr> <tr> <td data-bbox="336 1122 639 1182">0040</td> <td data-bbox="639 1122 1399 1182">Scanner error</td> </tr> </tbody> </table>	Codes	Description	0001	Entity error	0002	Controller error	0020	Engine error	0040	Scanner error
Codes	Description										
0001	Entity error										
0002	Controller error										
0020	Engine error										
0040	Scanner error										

Item No.	Description						
U024	<p>HDD formatting</p> <p>Description Initializes the hard disk.</p> <p>Purpose To initialize the hard disk when replacing the hard disk after shipping.</p> <p>Caution In addition, the following settings are also initialized by initializing the hard disk. System menu (user login administration, job accounting, address book, one-touch keys and document box etc.), shortcuts and panel programs When fully formatted, the following pre-installed software are removed. Option language, PDF1.7 resource, FMU, weekly timer</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 801 1401 949"> <thead> <tr> <th data-bbox="336 801 639 853">Display</th> <th data-bbox="639 801 1401 853">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 853 639 904">Full</td> <td data-bbox="639 853 1401 904">Full format</td> </tr> <tr> <td data-bbox="336 904 639 949">Data</td> <td data-bbox="639 904 1401 949">Data format (the application software are retained)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press [Execute]. 4. Press the start key to initialize the hard disk. 5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Full	Full format	Data	Data format (the application software are retained)
Display	Description						
Full	Full format						
Data	Data format (the application software are retained)						
U026	<p>Pulling Backup Data</p> <p>Description Perform restoring of the backup data..</p> <p>Purpose Restores the setting values that was backed up in the flash memory from the HDD.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. * : NG will be displayed when an error was resulted at completion. <p>Saved data: U278 Setting the delivery date U402 Adjusting margins of image printing U952 Maintenance mode workflow</p>						

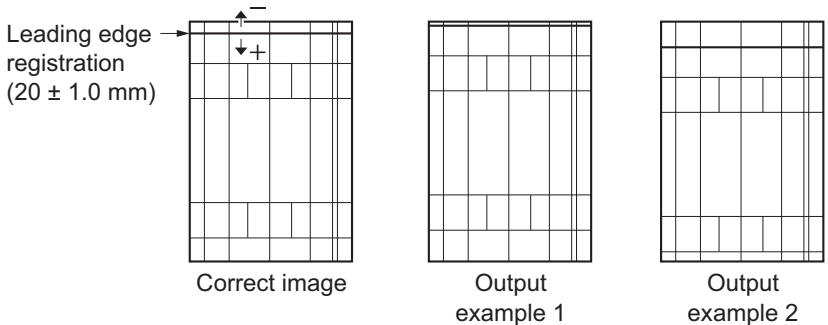
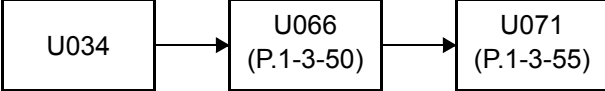
Item No.	Description																																		
U030	<p data-bbox="290 241 767 275">Checking the operation of the motors</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 515 374">Drives each motor.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 738 443">To check the operation of each motor.</p> <p data-bbox="290 483 387 512">Method</p> <ol data-bbox="308 517 815 618" style="list-style-type: none"> 1. Press the start key. 2. Select the motor to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 631 1399 1444"> <thead> <tr> <th data-bbox="336 631 603 676">Display</th> <th data-bbox="603 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 603 721">Feed</td> <td data-bbox="603 676 1399 721">Paper feed motor (PFM) is turned on</td> </tr> <tr> <td data-bbox="336 721 603 766">DLP(K)</td> <td data-bbox="603 721 1399 766">Developer motor (DEVM) is turned on</td> </tr> <tr> <td data-bbox="336 766 603 810">Fuser</td> <td data-bbox="603 766 1399 810">Fuser motor (FUM) is turned on</td> </tr> <tr> <td data-bbox="336 810 603 855">SB(CW)</td> <td data-bbox="603 810 1399 855">Eject motor (EM) is turned on clockwise</td> </tr> <tr> <td data-bbox="336 855 603 900">SB(CCW)</td> <td data-bbox="603 855 1399 900">Eject motor (EM) is turned on counterclockwise</td> </tr> <tr> <td data-bbox="336 900 603 945">Job Separator</td> <td data-bbox="603 900 1399 945">JS eject motor (JSEM) is turned on</td> </tr> <tr> <td data-bbox="336 945 603 990">Regist</td> <td data-bbox="603 945 1399 990">Registration motor (RM) is turned on</td> </tr> <tr> <td data-bbox="336 990 603 1034">Decal</td> <td data-bbox="603 990 1399 1034">BR decurler motor (BRDM) is turned on</td> </tr> <tr> <td data-bbox="336 1034 603 1079">Decal Guide</td> <td data-bbox="603 1034 1399 1079">BR guide motor (BRGM) is turned on</td> </tr> <tr> <td data-bbox="336 1079 603 1124">Bridge1</td> <td data-bbox="603 1079 1399 1124">BR conveying motor 1 (BRCM1) is turned on</td> </tr> <tr> <td data-bbox="336 1124 603 1169">Bridge2</td> <td data-bbox="603 1124 1399 1169">BR conveying motor 2 (BRCM2) is turned on</td> </tr> <tr> <td data-bbox="336 1169 603 1214">IH Core</td> <td data-bbox="603 1169 1399 1214">IH core motor (IHCM) is turned on</td> </tr> <tr> <td data-bbox="336 1214 603 1258">Fuser Release</td> <td data-bbox="603 1214 1399 1258">Fuser release motor (FURM) is turned on</td> </tr> <tr> <td data-bbox="336 1258 603 1303">DU1</td> <td data-bbox="603 1258 1399 1303">Duplex motor 1 (DUM1) is turned on</td> </tr> <tr> <td data-bbox="336 1303 603 1348">DU2</td> <td data-bbox="603 1303 1399 1348">Duplex motor 2 (DUM2) is turned on</td> </tr> <tr> <td data-bbox="336 1348 603 1393">Mid Roller</td> <td data-bbox="603 1348 1399 1393">Middle motor (RM) is turned on</td> </tr> </tbody> </table> <ol data-bbox="308 1456 780 1485" style="list-style-type: none"> 4. To stop operation, press the stop key. <p data-bbox="290 1525 440 1554">Completion</p> <p data-bbox="290 1559 1254 1588">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	Paper feed motor (PFM) is turned on	DLP(K)	Developer motor (DEVM) is turned on	Fuser	Fuser motor (FUM) is turned on	SB(CW)	Eject motor (EM) is turned on clockwise	SB(CCW)	Eject motor (EM) is turned on counterclockwise	Job Separator	JS eject motor (JSEM) is turned on	Regist	Registration motor (RM) is turned on	Decal	BR decurler motor (BRDM) is turned on	Decal Guide	BR guide motor (BRGM) is turned on	Bridge1	BR conveying motor 1 (BRCM1) is turned on	Bridge2	BR conveying motor 2 (BRCM2) is turned on	IH Core	IH core motor (IHCM) is turned on	Fuser Release	Fuser release motor (FURM) is turned on	DU1	Duplex motor 1 (DUM1) is turned on	DU2	Duplex motor 2 (DUM2) is turned on	Mid Roller	Middle motor (RM) is turned on
Display	Description																																		
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Mid Roller	Middle motor (RM) is turned on																																		

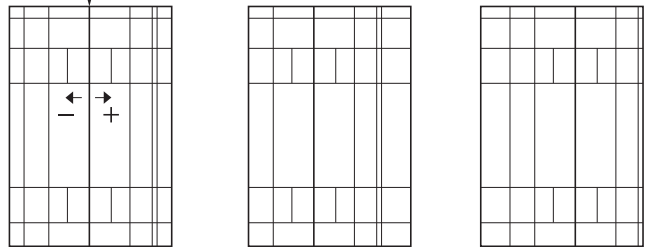
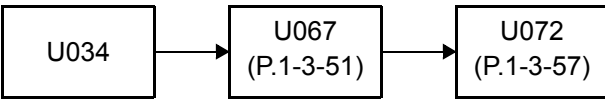
Item No.	Description																																		
U031	<p data-bbox="290 241 962 275">Checking switches and sensors for paper conveying</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 1302 376">Displays the on-off status of each paper detection switch or sensor on the paper path.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1179 445">To check if the switches and sensors for paper conveying operate correctly.</p> <p data-bbox="290 483 387 512">Method</p> <ol data-bbox="308 517 1398 649" style="list-style-type: none"> 1. Press the start key. 2. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1" data-bbox="336 665 1399 1480"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1399 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">MPT Jam</td> <td data-bbox="639 710 1399 754">MP feed sensor (MPFS)</td> </tr> <tr> <td data-bbox="336 754 639 799">Cassette1 Feed</td> <td data-bbox="639 754 1399 799">Feed sensor 1 (FS1)</td> </tr> <tr> <td data-bbox="336 799 639 844">Cassette2 Feed</td> <td data-bbox="639 799 1399 844">Feed sensor 2 (FS2)</td> </tr> <tr> <td data-bbox="336 844 639 889">Feed2(Feed B)</td> <td data-bbox="639 844 1399 889">Paper conveying sensor (PCS)</td> </tr> <tr> <td data-bbox="336 889 639 934">Regist</td> <td data-bbox="639 889 1399 934">Registration sensor (RS)</td> </tr> <tr> <td data-bbox="336 934 639 978">Belt Jam</td> <td data-bbox="639 934 1399 978">Loop sensor (LPS)</td> </tr> <tr> <td data-bbox="336 978 639 1023">Exit Feed</td> <td data-bbox="639 978 1399 1023">Switchback sensor (SBS)</td> </tr> <tr> <td data-bbox="336 1023 639 1068">DU1</td> <td data-bbox="639 1023 1399 1068">Duplex sensor 1 (DUS1)</td> </tr> <tr> <td data-bbox="336 1068 639 1113">DU2</td> <td data-bbox="639 1068 1399 1113">Duplex sensor 2 (DUS2)</td> </tr> <tr> <td data-bbox="336 1113 639 1158">Bridge1 Feed</td> <td data-bbox="639 1113 1399 1158">BR conveying sensor 1 (BRCS1)</td> </tr> <tr> <td data-bbox="336 1158 639 1202">Bridge2 Feed</td> <td data-bbox="639 1158 1399 1202">BR conveying sensor 2 (BRCS2)</td> </tr> <tr> <td data-bbox="336 1202 639 1247">Bridge Exit</td> <td data-bbox="639 1202 1399 1247">BR eject sensor (BRES)</td> </tr> <tr> <td data-bbox="336 1247 639 1292">Exit Paper</td> <td data-bbox="639 1247 1399 1292">Eject sensor (ES)</td> </tr> <tr> <td data-bbox="336 1292 639 1337">Fuser Feed</td> <td data-bbox="639 1292 1399 1337">Fuser eject sensor (FUES)</td> </tr> <tr> <td data-bbox="336 1337 639 1382">Feed1(Mid)</td> <td data-bbox="639 1337 1399 1382">Middle sensor (MS)</td> </tr> <tr> <td data-bbox="336 1382 639 1426">Exit Job Separator</td> <td data-bbox="639 1382 1399 1426">JS eject sensor (JSES)</td> </tr> </tbody> </table> <p data-bbox="290 1541 440 1570">Completion</p> <p data-bbox="290 1574 1254 1606">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MPT Jam	MP feed sensor (MPFS)	Cassette1 Feed	Feed sensor 1 (FS1)	Cassette2 Feed	Feed sensor 2 (FS2)	Feed2(Feed B)	Paper conveying sensor (PCS)	Regist	Registration sensor (RS)	Belt Jam	Loop sensor (LPS)	Exit Feed	Switchback sensor (SBS)	DU1	Duplex sensor 1 (DUS1)	DU2	Duplex sensor 2 (DUS2)	Bridge1 Feed	BR conveying sensor 1 (BRCS1)	Bridge2 Feed	BR conveying sensor 2 (BRCS2)	Bridge Exit	BR eject sensor (BRES)	Exit Paper	Eject sensor (ES)	Fuser Feed	Fuser eject sensor (FUES)	Feed1(Mid)	Middle sensor (MS)	Exit Job Separator	JS eject sensor (JSES)
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MPT Jam	MP feed sensor (MPFS)																																		
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Fuser Feed	Fuser eject sensor (FUES)																																		
Feed1(Mid)	Middle sensor (MS)																																		
Exit Job Separator	JS eject sensor (JSES)																																		

Item No.	Description														
U032	<p data-bbox="288 241 786 271">Checking the operation of the clutches</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 547 374">Turns each clutch on.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 740 443">To check the operation of each clutch.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="308 517 815 618" style="list-style-type: none"> 1. Press the start key. 2. Select the clutch to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 665 1399 1001"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1399 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Feed1</td> <td data-bbox="639 710 1399 754">Paper feed clutch 1 (PFCL1) is turned on</td> </tr> <tr> <td data-bbox="336 754 639 799">Feed2</td> <td data-bbox="639 754 1399 799">Paper feed clutch 2 (PFCL2) is turned on</td> </tr> <tr> <td data-bbox="336 799 639 844">MPT Feed</td> <td data-bbox="639 799 1399 844">MP paper feed clutch (MPPFCL) is turned on</td> </tr> <tr> <td data-bbox="336 844 639 889">Feed</td> <td data-bbox="639 844 1399 889">Paper conveying clutch (PCCL) is turned on</td> </tr> <tr> <td data-bbox="336 889 639 934">Assist1</td> <td data-bbox="639 889 1399 934">Assist clutch 1 (ASCL1) is turned on</td> </tr> <tr> <td data-bbox="336 934 639 1001">Assist2</td> <td data-bbox="639 934 1399 1001">Assist clutch 2 (ASCL2) is turned on</td> </tr> </tbody> </table> <ol data-bbox="308 1030 780 1059" style="list-style-type: none"> 4. To stop operation, press the stop key. <p data-bbox="288 1099 440 1128">Completion</p> <p data-bbox="288 1133 1254 1162">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed1	Paper feed clutch 1 (PFCL1) is turned on	Feed2	Paper feed clutch 2 (PFCL2) is turned on	MPT Feed	MP paper feed clutch (MPPFCL) is turned on	Feed	Paper conveying clutch (PCCL) is turned on	Assist1	Assist clutch 1 (ASCL1) is turned on	Assist2	Assist clutch 2 (ASCL2) is turned on
Display	Description														
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Feed2	Paper feed clutch 2 (PFCL2) is turned on														
MPT Feed	MP paper feed clutch (MPPFCL) is turned on														
Feed	Paper conveying clutch (PCCL) is turned on														
Assist1	Assist clutch 1 (ASCL1) is turned on														
Assist2	Assist clutch 2 (ASCL2) is turned on														

Item No.	Description										
U033	<p data-bbox="290 241 802 271">Checking the operation of the solenoids</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 576 374">Turns each solenoid on.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 770 443">To check the operation of each solenoid.</p> <p data-bbox="290 483 387 512">Method</p> <ol data-bbox="308 517 815 618" style="list-style-type: none"> 1. Press the start key. 2. Select the solenoid to be operated.z 3. Press the start key. The operation starts. <table border="1" data-bbox="336 631 1401 871"> <thead> <tr> <th data-bbox="336 631 641 676">Display</th> <th data-bbox="641 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 641 721">Branch Left</td> <td data-bbox="641 676 1401 721">BR feedshift solenoid (BRFSSOL) is turned on</td> </tr> <tr> <td data-bbox="336 721 641 766">Branch Exit</td> <td data-bbox="641 721 1401 766">Feedshift solenoid (FSSOL) is turned on</td> </tr> <tr> <td data-bbox="336 766 641 810">Job Separator</td> <td data-bbox="641 766 1401 810">JS feedshift solenoid (JSFSSOL) is turned on</td> </tr> <tr> <td data-bbox="336 810 641 855">ID Clean</td> <td data-bbox="641 810 1401 855">Cleaning solenoid (CLSOL) is turned on</td> </tr> </tbody> </table> <ol data-bbox="308 891 780 920" style="list-style-type: none"> 4. To stop operation, press the stop key. <p data-bbox="290 960 440 990">Completion</p> <p data-bbox="290 994 1254 1023">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Branch Left	BR feedshift solenoid (BRFSSOL) is turned on	Branch Exit	Feedshift solenoid (FSSOL) is turned on	Job Separator	JS feedshift solenoid (JSFSSOL) is turned on	ID Clean	Cleaning solenoid (CLSOL) is turned on
Display	Description										
Branch Left	BR feedshift solenoid (BRFSSOL) is turned on										
Branch Exit	Feedshift solenoid (FSSOL) is turned on										
Job Separator	JS feedshift solenoid (JSFSSOL) is turned on										
ID Clean	Cleaning solenoid (CLSOL) is turned on										

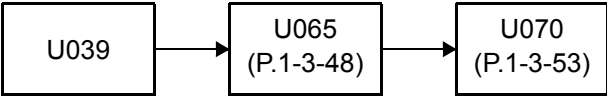
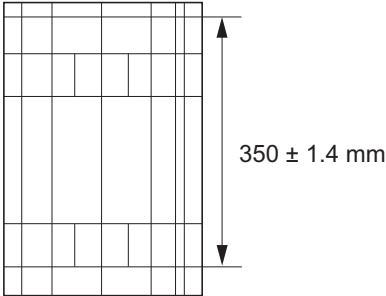
Item No.	Description																																																																							
U034	<p data-bbox="287 241 683 275">Adjusting the print start timing</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 895 378">Adjusts the leading edge registration or center line.</p> <p data-bbox="287 380 400 414">Purpose</p> <p data-bbox="287 416 1425 483">Make the adjustment if there is a regular error between the leading edges of the copy image and original.</p> <p data-bbox="287 486 1401 553">Make the adjustment if there is a regular error between the center lines of the copy image and original.</p> <p data-bbox="287 586 387 620">Method</p> <ol data-bbox="304 622 699 689" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1" data-bbox="336 701 1401 846"> <thead> <tr> <th data-bbox="336 701 603 745">Display</th> <th data-bbox="603 701 1401 745">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 745 603 790">LSU Out Top</td> <td data-bbox="603 745 1401 790">Leading edge registration adjustment</td> </tr> <tr> <td data-bbox="336 790 603 846">LSU Out Left</td> <td data-bbox="603 790 1401 846">Center line adjustment</td> </tr> </tbody> </table> <p data-bbox="287 891 619 925">Adjustment: LSU Out Top</p> <ol data-bbox="304 927 839 1061" style="list-style-type: none"> 1. Press the system menu key. 2. Press the start key to output a test pattern. 3. Press the system menu key. 4. Select the item to be adjusted. <table border="1" data-bbox="336 1077 1393 1906"> <thead> <tr> <th data-bbox="336 1077 504 1155">Display</th> <th data-bbox="504 1077 959 1155">Description</th> <th data-bbox="959 1077 1110 1155">Setting range</th> <th data-bbox="1110 1077 1225 1155">Initial setting</th> <th data-bbox="1225 1077 1393 1155">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1155 504 1200">MPT(L)</td> <td data-bbox="504 1155 959 1200">Paper feed from MP tray</td> <td data-bbox="959 1155 1110 1200">-3.0 to 3.0</td> <td data-bbox="1110 1155 1225 1200">0</td> <td data-bbox="1225 1155 1393 1200">0.1 mm</td> </tr> <tr> <td data-bbox="336 1200 504 1245">MPT Half(L)</td> <td data-bbox="504 1200 959 1245">Paper feed from MP tray</td> <td data-bbox="959 1200 1110 1245">-3.0 to 3.0</td> <td data-bbox="1110 1200 1225 1245">0</td> <td data-bbox="1225 1200 1393 1245">0.1 mm</td> </tr> <tr> <td data-bbox="336 1245 504 1290">Cassette(L)</td> <td data-bbox="504 1245 959 1290">Paper feed from cassette</td> <td data-bbox="959 1245 1110 1290">-3.0 to 3.0</td> <td data-bbox="1110 1245 1225 1290">0</td> <td data-bbox="1225 1245 1393 1290">0.1 mm</td> </tr> <tr> <td data-bbox="336 1290 504 1379">Cassette Half(L)</td> <td data-bbox="504 1290 959 1379">Paper feed from cassette</td> <td data-bbox="959 1290 1110 1379">-3.0 to 3.0</td> <td data-bbox="1110 1290 1225 1379">0</td> <td data-bbox="1225 1290 1393 1379">0.1 mm</td> </tr> <tr> <td data-bbox="336 1379 504 1424">Duplex(L)</td> <td data-bbox="504 1379 959 1424">Duplex mode (second)</td> <td data-bbox="959 1379 1110 1424">-3.0 to 3.0</td> <td data-bbox="1110 1379 1225 1424">0</td> <td data-bbox="1225 1379 1393 1424">0.1 mm</td> </tr> <tr> <td data-bbox="336 1424 504 1514">Duplex Half(L)</td> <td data-bbox="504 1424 959 1514">Duplex mode (second)</td> <td data-bbox="959 1424 1110 1514">-3.0 to 3.0</td> <td data-bbox="1110 1424 1225 1514">0</td> <td data-bbox="1225 1424 1393 1514">0.1 mm</td> </tr> <tr> <td data-bbox="336 1514 504 1559">MPT(S)</td> <td data-bbox="504 1514 959 1559">Paper feed from MP tray</td> <td data-bbox="959 1514 1110 1559">-3.0 to 3.0</td> <td data-bbox="1110 1514 1225 1559">0</td> <td data-bbox="1225 1514 1393 1559">0.1 mm</td> </tr> <tr> <td data-bbox="336 1559 504 1648">MPT Half(S)</td> <td data-bbox="504 1559 959 1648">Paper feed from MP tray</td> <td data-bbox="959 1559 1110 1648">-3.0 to 3.0</td> <td data-bbox="1110 1559 1225 1648">0</td> <td data-bbox="1225 1559 1393 1648">0.1 mm</td> </tr> <tr> <td data-bbox="336 1648 504 1693">Cassette(S)</td> <td data-bbox="504 1648 959 1693">Paper feed from cassette</td> <td data-bbox="959 1648 1110 1693">-3.0 to 3.0</td> <td data-bbox="1110 1648 1225 1693">0</td> <td data-bbox="1225 1648 1393 1693">0.1 mm</td> </tr> <tr> <td data-bbox="336 1693 504 1783">Cassette Half(S)</td> <td data-bbox="504 1693 959 1783">Paper feed from cassette</td> <td data-bbox="959 1693 1110 1783">-3.0 to 3.0</td> <td data-bbox="1110 1693 1225 1783">0</td> <td data-bbox="1225 1693 1393 1783">0.1 mm</td> </tr> <tr> <td data-bbox="336 1783 504 1827">Duplex(S)</td> <td data-bbox="504 1783 959 1827">Duplex mode (second)</td> <td data-bbox="959 1783 1110 1827">-3.0 to 3.0</td> <td data-bbox="1110 1783 1225 1827">0</td> <td data-bbox="1225 1783 1393 1827">0.1 mm</td> </tr> <tr> <td data-bbox="336 1827 504 1906">Duplex Half(S)</td> <td data-bbox="504 1827 959 1906">Duplex mode (second)</td> <td data-bbox="959 1827 1110 1906">-3.0 to 3.0</td> <td data-bbox="1110 1827 1225 1906">0</td> <td data-bbox="1225 1827 1393 1906">0.1 mm</td> </tr> </tbody> </table> <p data-bbox="336 1917 1174 1951">(L): When large size paper is used (218 mm or more in width of paper).</p> <p data-bbox="336 1953 759 1986">(S): When small size paper is used.</p>	Display	Description	LSU Out Top	Leading edge registration adjustment	LSU Out Left	Center line adjustment	Display	Description	Setting range	Initial setting	Change in value per step	MPT(L)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm	MPT Half(L)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm	Cassette(L)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm	Cassette Half(L)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm	Duplex(L)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm	Duplex Half(L)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm	MPT(S)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm	MPT Half(S)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm	Cassette(S)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm	Cassette Half(S)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm	Duplex(S)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm	Duplex Half(S)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm
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LSU Out Top	Leading edge registration adjustment																																																																							
LSU Out Left	Center line adjustment																																																																							
Display	Description	Setting range	Initial setting	Change in value per step																																																																				
MPT(L)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm																																																																				
MPT Half(L)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm																																																																				
Cassette(L)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm																																																																				
Cassette Half(L)	Paper feed from cassette	-3.0 to 3.0	0	0.1 mm																																																																				
Duplex(L)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm																																																																				
Duplex Half(L)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm																																																																				
MPT(S)	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm																																																																				
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Duplex Half(S)	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm																																																																				

Item No.	Description																																																		
<p>U034</p>	<p>5. Change the setting value using the cursor +/- or numeric keys. For output example 1, increase the value. For output example 2, decrease the value.</p> <div style="text-align: center;">  <p>Leading edge registration (20 ± 1.0 mm)</p> <p>Correct image Output example 1 Output example 2</p> </div> <p>Figure 1-3-4</p> <p>6. Press the start key. The value is set.</p> <p>Remark When changing the setting value of [Large] each item is modified, equal to amount of the value which is changed adds also the value of [Small] each item and is pulled.</p> <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div style="text-align: center;">  <pre> graph LR U034[U034] --> U066[U066 (P.1-3-50)] U066 --> U071[U071 (P.1-3-55)] </pre> </div> <p>Adjustment: LSU Out Left</p> <ol style="list-style-type: none"> 1. Press the system menu key. 2. Press the start key to output a test pattern. 3. Press the system menu key. 4. Select the item to be adjusted. <table border="1" data-bbox="335 1444 1396 1960"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>MPT</td> <td>Paper feed from MP tray</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette1</td> <td>Paper feed from cassette 1</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette2</td> <td>Paper feed from cassette 2</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette3</td> <td>Paper feed from optional cassette 3</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette4</td> <td>Paper feed from optional cassette 4</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette5</td> <td>Paper feed from optional cassette 5</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette6</td> <td>Paper feed from optional cassette 6</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette7</td> <td>Paper feed from optional cassette 7</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Duplex</td> <td>Duplex mode (second)</td> <td>-3.0 to 3.0</td> <td>0</td> <td>0.1 mm</td> </tr> </tbody> </table>	Display	Description	Setting range	Initial setting	Change in value per step	MPT	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm	Cassette1	Paper feed from cassette 1	-3.0 to 3.0	0	0.1 mm	Cassette2	Paper feed from cassette 2	-3.0 to 3.0	0	0.1 mm	Cassette3	Paper feed from optional cassette 3	-3.0 to 3.0	0	0.1 mm	Cassette4	Paper feed from optional cassette 4	-3.0 to 3.0	0	0.1 mm	Cassette5	Paper feed from optional cassette 5	-3.0 to 3.0	0	0.1 mm	Cassette6	Paper feed from optional cassette 6	-3.0 to 3.0	0	0.1 mm	Cassette7	Paper feed from optional cassette 7	-3.0 to 3.0	0	0.1 mm	Duplex	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step																																															
MPT	Paper feed from MP tray	-3.0 to 3.0	0	0.1 mm																																															
Cassette1	Paper feed from cassette 1	-3.0 to 3.0	0	0.1 mm																																															
Cassette2	Paper feed from cassette 2	-3.0 to 3.0	0	0.1 mm																																															
Cassette3	Paper feed from optional cassette 3	-3.0 to 3.0	0	0.1 mm																																															
Cassette4	Paper feed from optional cassette 4	-3.0 to 3.0	0	0.1 mm																																															
Cassette5	Paper feed from optional cassette 5	-3.0 to 3.0	0	0.1 mm																																															
Cassette6	Paper feed from optional cassette 6	-3.0 to 3.0	0	0.1 mm																																															
Cassette7	Paper feed from optional cassette 7	-3.0 to 3.0	0	0.1 mm																																															
Duplex	Duplex mode (second)	-3.0 to 3.0	0	0.1 mm																																															

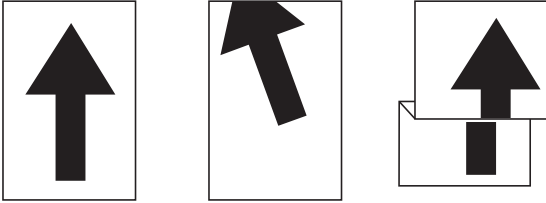
Item No.	Description
U034	<p data-bbox="303 241 1340 309">5. Change the setting value using the +/- keys or numeric keys. For output example 1, increase the value. For output example 2, decrease the value.</p> <div data-bbox="534 331 1189 728" style="text-align: center;"> <p data-bbox="534 331 766 392">Center line of printing (within ± 2.0 mm)</p>  <p data-bbox="550 667 710 694">Correct image</p> <p data-bbox="813 667 933 728">Output example 1</p> <p data-bbox="1045 667 1165 728">Output example 2</p> </div> <p data-bbox="782 750 941 784">Figure 1-3-5</p> <p data-bbox="303 817 766 851">6. Press the start key. The value is set.</p> <p data-bbox="287 884 399 918">Caution</p> <p data-bbox="287 922 1404 996">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="295 1008 901 1108" style="text-align: center;">  <pre> graph LR U034[U034] --> U067[U067 (P.1-3-51)] U067 --> U072[U072 (P.1-3-57)] </pre> </div> <p data-bbox="287 1153 446 1187">Completion</p> <p data-bbox="287 1191 1260 1220">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

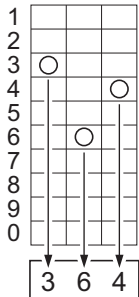
Item No.	Description												
U035	<p data-bbox="288 241 788 275">Setting the printing area for folio paper</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 912 376">Changes the printing area for copying on folio paper.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1374 479">To prevent cropped images on the trailing edge or left/right side of copy paper by setting the actual printing area for folio paper.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 553 858 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting value using the +/- keys. <table border="1" data-bbox="336 665 1399 808"> <thead> <tr> <th data-bbox="336 665 564 712">Display</th> <th data-bbox="564 665 944 712">Description</th> <th data-bbox="944 665 1171 712">Setting range</th> <th data-bbox="1171 665 1399 712">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 564 759">Length</td> <td data-bbox="564 712 944 759">Length</td> <td data-bbox="944 712 1171 759">330 to 356 mm</td> <td data-bbox="1171 712 1399 759">330</td> </tr> <tr> <td data-bbox="336 759 564 808">Width</td> <td data-bbox="564 759 944 808">Width</td> <td data-bbox="944 759 1171 808">200 to 220 mm</td> <td data-bbox="1171 759 1399 808">210</td> </tr> </tbody> </table> <ol data-bbox="304 822 766 853" style="list-style-type: none"> 4. Press the start key. The value is set. <p data-bbox="288 891 440 920">Completion</p> <p data-bbox="288 925 1254 956">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Length	Length	330 to 356 mm	330	Width	Width	200 to 220 mm	210
Display	Description	Setting range	Initial setting										
Length	Length	330 to 356 mm	330										
Width	Width	200 to 220 mm	210										

Item No.	Description																																							
U037	<p data-bbox="288 241 815 271">Checking the operation of the fan motors</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 560 374">Drives each fan motor.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 783 443">To check the operation of each fan motor.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 815 618" style="list-style-type: none"> 1. Press the start key. 2. Select the fan motor to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 633 1401 1256"> <thead> <tr> <th data-bbox="336 633 571 678">Display</th> <th data-bbox="571 633 1294 678">Description</th> <th data-bbox="1294 633 1401 678">Group</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 571 723">Fuser Cooling</td> <td data-bbox="571 678 1294 723">Fuser rear fan motor (FURFM) is turned on</td> <td data-bbox="1294 678 1401 723">B</td> </tr> <tr> <td data-bbox="336 723 571 768">LSU Cooling</td> <td data-bbox="571 723 1294 768">LSU fan motor (LSUFM) is turned on</td> <td data-bbox="1294 723 1401 768">B</td> </tr> <tr> <td data-bbox="336 768 571 813">Exit Cooling</td> <td data-bbox="571 768 1294 813">Eject front fan motor (EFFM) is turned on</td> <td data-bbox="1294 768 1401 813">B</td> </tr> <tr> <td data-bbox="336 813 571 857">Toner</td> <td data-bbox="571 813 1294 857">Toner fan motor (TFM) is turned on</td> <td data-bbox="1294 813 1401 857">A</td> </tr> <tr> <td data-bbox="336 857 571 902">Low Volt</td> <td data-bbox="571 857 1294 902">Power source fan motor (PSFM) is turned on</td> <td data-bbox="1294 857 1401 902">A</td> </tr> <tr> <td data-bbox="336 902 571 947">Exit Rear Cooling</td> <td data-bbox="571 902 1294 947">Eject rear fan motor (EFRM) is turned on</td> <td data-bbox="1294 902 1401 947">B</td> </tr> <tr> <td data-bbox="336 947 571 992">IH PWB</td> <td data-bbox="571 947 1294 992">Heater fan motor (HFM) is turned on</td> <td data-bbox="1294 947 1401 992">A</td> </tr> <tr> <td data-bbox="336 992 571 1037">DU</td> <td data-bbox="571 992 1294 1037">Duplex fan motor (DUFM) is turned on</td> <td data-bbox="1294 992 1401 1037">A</td> </tr> <tr> <td data-bbox="336 1037 571 1081">IH Coil</td> <td data-bbox="571 1037 1294 1081">Fuser front fan motor (FUFFM) is turned on</td> <td data-bbox="1294 1037 1401 1081">A</td> </tr> <tr> <td data-bbox="336 1081 571 1126">Conv Edge</td> <td data-bbox="571 1081 1294 1126">Fuser motor 1and 2 (FUFM1, 2) is turned on</td> <td data-bbox="1294 1081 1401 1126">A</td> </tr> <tr> <td data-bbox="336 1126 571 1171">GroupA</td> <td data-bbox="571 1126 1294 1171">Fan motors of group A are turned on</td> <td data-bbox="1294 1126 1401 1171"></td> </tr> <tr> <td data-bbox="336 1171 571 1216">GroupB</td> <td data-bbox="571 1171 1294 1216">Fan motors of group B are turned on</td> <td data-bbox="1294 1171 1401 1216"></td> </tr> </tbody> </table> <ol data-bbox="304 1272 783 1301" style="list-style-type: none"> 4. To stop operation, press the stop key. <p data-bbox="288 1341 440 1370">Completion</p> <p data-bbox="288 1375 1254 1404">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Group	Fuser Cooling	Fuser rear fan motor (FURFM) is turned on	B	LSU Cooling	LSU fan motor (LSUFM) is turned on	B	Exit Cooling	Eject front fan motor (EFFM) is turned on	B	Toner	Toner fan motor (TFM) is turned on	A	Low Volt	Power source fan motor (PSFM) is turned on	A	Exit Rear Cooling	Eject rear fan motor (EFRM) is turned on	B	IH PWB	Heater fan motor (HFM) is turned on	A	DU	Duplex fan motor (DUFM) is turned on	A	IH Coil	Fuser front fan motor (FUFFM) is turned on	A	Conv Edge	Fuser motor 1and 2 (FUFM1, 2) is turned on	A	GroupA	Fan motors of group A are turned on		GroupB	Fan motors of group B are turned on	
Display	Description	Group																																						
Fuser Cooling	Fuser rear fan motor (FURFM) is turned on	B																																						
LSU Cooling	LSU fan motor (LSUFM) is turned on	B																																						
Exit Cooling	Eject front fan motor (EFFM) is turned on	B																																						
Toner	Toner fan motor (TFM) is turned on	A																																						
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Exit Rear Cooling	Eject rear fan motor (EFRM) is turned on	B																																						
IH PWB	Heater fan motor (HFM) is turned on	A																																						
DU	Duplex fan motor (DUFM) is turned on	A																																						
IH Coil	Fuser front fan motor (FUFFM) is turned on	A																																						
Conv Edge	Fuser motor 1and 2 (FUFM1, 2) is turned on	A																																						
GroupA	Fan motors of group A are turned on																																							
GroupB	Fan motors of group B are turned on																																							

Item No.	Description										
<p>U039</p>	<p>Adjusting the magnification</p> <p>Description Adjusts the magnification of the printing.</p> <p>Purpose Make the adjustment if the magnification in the auxiliary scanning direction is incorrect.</p> <p>Caution Adjust the magnification in the following order.</p> <div style="text-align: center;">  <pre> graph LR U039[U039] --> U065[U065 (P.1-3-48)] U065 --> U070[U070 (P.1-3-53)] </pre> </div> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Press the start key to output a test pattern. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 927 1401 1095"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Sub Scan</td> <td>Magnification in the auxiliary scanning direction</td> <td>-1 to 1</td> <td>0</td> <td>0.1 %</td> </tr> </tbody> </table> <p>Adjustment: [Sub Scan]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the image longer, while decreasing the value makes the image shorter. <div style="text-align: center;">  </div> <p>Figure 1-3-6</p> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Completion Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Sub Scan	Magnification in the auxiliary scanning direction	-1 to 1	0	0.1 %
Display	Description	Setting range	Initial setting	Change in value per step							
Sub Scan	Magnification in the auxiliary scanning direction	-1 to 1	0	0.1 %							

Item No.	Description																																																																							
U051	<p data-bbox="288 241 758 275">Adjusting the deflection in the paper</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 983 376">Adjusts the deflection in the paper at the registration roller.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1425 479">Make the adjustment if the leading edge of the copy image is missing or varies randomly, or if the copy paper is Z-folded.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 699 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. <table border="1" data-bbox="336 631 1401 728"> <thead> <tr> <th data-bbox="336 631 679 678">Display</th> <th data-bbox="679 631 1401 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 679 728">Paper Loop Amount</td> <td data-bbox="679 678 1401 728">Deflection adjustment</td> </tr> </tbody> </table> <p data-bbox="288 772 440 801">Adjustment</p> <ol data-bbox="304 808 1058 943" style="list-style-type: none"> 1. Press the system menu key. 2. Place an original and press the start key to make a test copy. 3. Press the system menu key. 4. Select the item to be adjusted. <table border="1" data-bbox="336 956 1401 1765"> <thead> <tr> <th data-bbox="336 956 520 1048" rowspan="2">Display</th> <th data-bbox="520 956 975 1048" rowspan="2">Description</th> <th data-bbox="975 956 1126 1048" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 956 1401 996">Initial setting</th> </tr> <tr> <th data-bbox="1126 996 1262 1048">65 ppm</th> <th data-bbox="1262 996 1401 1048">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1048 520 1095">MPT(L)</td> <td data-bbox="520 1048 975 1095">Paper feed from MP tray</td> <td data-bbox="975 1048 1126 1095">-30 to 20</td> <td data-bbox="1126 1048 1262 1095">-5</td> <td data-bbox="1262 1048 1401 1095">-5</td> </tr> <tr> <td data-bbox="336 1095 520 1142">MPT Half(L)</td> <td data-bbox="520 1095 975 1142">Paper feed from MP tray</td> <td data-bbox="975 1095 1126 1142">-30 to 20</td> <td data-bbox="1126 1095 1262 1142">-1</td> <td data-bbox="1262 1095 1401 1142">-3</td> </tr> <tr> <td data-bbox="336 1142 520 1189">Cassette(L)</td> <td data-bbox="520 1142 975 1189">Paper feed from cassette</td> <td data-bbox="975 1142 1126 1189">-30 to 20</td> <td data-bbox="1126 1142 1262 1189">-8</td> <td data-bbox="1262 1142 1401 1189">-13</td> </tr> <tr> <td data-bbox="336 1189 520 1281">Cassette Half(L)</td> <td data-bbox="520 1189 975 1281">Paper feed from cassette</td> <td data-bbox="975 1189 1126 1281">-30 to 20</td> <td data-bbox="1126 1189 1262 1281">-1</td> <td data-bbox="1262 1189 1401 1281">-3</td> </tr> <tr> <td data-bbox="336 1281 520 1328">Duplex(L)</td> <td data-bbox="520 1281 975 1328">Duplex mode (second)</td> <td data-bbox="975 1281 1126 1328">-30 to 20</td> <td data-bbox="1126 1281 1262 1328">-8</td> <td data-bbox="1262 1281 1401 1328">-13</td> </tr> <tr> <td data-bbox="336 1328 520 1420">Duplex Half(L)</td> <td data-bbox="520 1328 975 1420">Duplex mode (second)</td> <td data-bbox="975 1328 1126 1420">-30 to 20</td> <td data-bbox="1126 1328 1262 1420">-1</td> <td data-bbox="1262 1328 1401 1420">-3</td> </tr> <tr> <td data-bbox="336 1420 520 1467">MPT(S)</td> <td data-bbox="520 1420 975 1467">Paper feed from MP tray</td> <td data-bbox="975 1420 1126 1467">-30 to 20</td> <td data-bbox="1126 1420 1262 1467">-5</td> <td data-bbox="1262 1420 1401 1467">-5</td> </tr> <tr> <td data-bbox="336 1467 520 1514">MPT Half(S)</td> <td data-bbox="520 1467 975 1514">Paper feed from MP tray</td> <td data-bbox="975 1467 1126 1514">-30 to 20</td> <td data-bbox="1126 1467 1262 1514">-1</td> <td data-bbox="1262 1467 1401 1514">-3</td> </tr> <tr> <td data-bbox="336 1514 520 1561">Cassette(S)</td> <td data-bbox="520 1514 975 1561">Paper feed from cassette</td> <td data-bbox="975 1514 1126 1561">-30 to 20</td> <td data-bbox="1126 1514 1262 1561">-8</td> <td data-bbox="1262 1514 1401 1561">-13</td> </tr> <tr> <td data-bbox="336 1561 520 1653">Cassette Half(S)</td> <td data-bbox="520 1561 975 1653">Paper feed from cassette</td> <td data-bbox="975 1561 1126 1653">-30 to 20</td> <td data-bbox="1126 1561 1262 1653">-1</td> <td data-bbox="1262 1561 1401 1653">-3</td> </tr> <tr> <td data-bbox="336 1653 520 1700">Duplex(S)</td> <td data-bbox="520 1653 975 1700">Duplex mode (second)</td> <td data-bbox="975 1653 1126 1700">-30 to 20</td> <td data-bbox="1126 1653 1262 1700">-8</td> <td data-bbox="1262 1653 1401 1700">-13</td> </tr> <tr> <td data-bbox="336 1700 520 1765">Duplex Half(S)</td> <td data-bbox="520 1700 975 1765">Duplex mode (second)</td> <td data-bbox="975 1700 1126 1765">-30 to 20</td> <td data-bbox="1126 1700 1262 1765">-1</td> <td data-bbox="1262 1700 1401 1765">-3</td> </tr> </tbody> </table> <p data-bbox="336 1776 740 1807">Change in value per step: 1.0 mm</p> <p data-bbox="336 1812 1174 1843">(L): When large size paper is used (218 mm or more in width of paper).</p> <p data-bbox="336 1848 759 1879">(S): When small size paper is used.</p>	Display	Description	Paper Loop Amount	Deflection adjustment	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	MPT(L)	Paper feed from MP tray	-30 to 20	-5	-5	MPT Half(L)	Paper feed from MP tray	-30 to 20	-1	-3	Cassette(L)	Paper feed from cassette	-30 to 20	-8	-13	Cassette Half(L)	Paper feed from cassette	-30 to 20	-1	-3	Duplex(L)	Duplex mode (second)	-30 to 20	-8	-13	Duplex Half(L)	Duplex mode (second)	-30 to 20	-1	-3	MPT(S)	Paper feed from MP tray	-30 to 20	-5	-5	MPT Half(S)	Paper feed from MP tray	-30 to 20	-1	-3	Cassette(S)	Paper feed from cassette	-30 to 20	-8	-13	Cassette Half(S)	Paper feed from cassette	-30 to 20	-1	-3	Duplex(S)	Duplex mode (second)	-30 to 20	-8	-13	Duplex Half(S)	Duplex mode (second)	-30 to 20	-1	-3
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			65 ppm	80 ppm																																																																				
MPT(L)	Paper feed from MP tray	-30 to 20	-5	-5																																																																				
MPT Half(L)	Paper feed from MP tray	-30 to 20	-1	-3																																																																				
Cassette(L)	Paper feed from cassette	-30 to 20	-8	-13																																																																				
Cassette Half(L)	Paper feed from cassette	-30 to 20	-1	-3																																																																				
Duplex(L)	Duplex mode (second)	-30 to 20	-8	-13																																																																				
Duplex Half(L)	Duplex mode (second)	-30 to 20	-1	-3																																																																				
MPT(S)	Paper feed from MP tray	-30 to 20	-5	-5																																																																				
MPT Half(S)	Paper feed from MP tray	-30 to 20	-1	-3																																																																				
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Item No.	Description
U051	<p data-bbox="304 244 1428 376">5. Change the setting value using the +/- keys or numeric keys. For output example 1, increase the value. For output example 2, decrease the value. The greater the value, the larger the deflection; the smaller the value, the smaller the deflection.</p> <div data-bbox="587 387 1134 656" style="text-align: center;"><p data-bbox="614 595 699 622">Original</p><p data-bbox="805 595 917 656">Copy example 1</p><p data-bbox="997 595 1109 656">Copy example 2</p></div> <p data-bbox="783 680 938 707">Figure 1-3-7</p> <p data-bbox="304 750 766 777">6. Press the start key. The value is set.</p> <p data-bbox="290 819 438 846">Completion</p> <p data-bbox="290 853 1243 880">Press the stop key. The indication for selecting a maintenance item No. appears.</p>

Item No.	Description																														
U052	<p data-bbox="288 241 686 275">Setting the fuser motor control</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1426 412">Enters the sensor data values described on the supplied sheet provided when the loop sensor is replaced and performs correction processing for the fuser motor.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1090 479">To perform when replacing the loop sensor or paper conveying unit.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 564 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1401 824"> <thead> <tr> <th data-bbox="336 631 655 676">Display</th> <th data-bbox="655 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 655 721">Set Loop Sensor</td> <td data-bbox="655 676 1401 721">Enter the data value for loop sensor</td> </tr> <tr> <td data-bbox="336 721 655 766">Loop Sensor Control</td> <td data-bbox="655 721 1401 766">Set the loop sensor detection control</td> </tr> <tr> <td data-bbox="336 766 655 810">Set Loop Sensor Valid</td> <td data-bbox="655 766 1401 810">Sets the presence or absence of the loop sensor</td> </tr> </tbody> </table> <p data-bbox="288 884 635 913">Method: [Set Loop Sensor]</p> <ol data-bbox="304 918 1035 1158" style="list-style-type: none"> 1. Select [Scanning Board1]. 2. Enter the sensor data value of supplied sheet DATA1 using the +/- keys. 3. Select [Scanning Board2]. 4. Enter the sensor data value of supplied sheet DATA2 using the +/- keys. 5. Press the start key. The value is set. <p data-bbox="1059 884 1430 913">How to read the sensor data value</p> <p data-bbox="1098 925 1155 954">(e.g.)</p>  <p data-bbox="288 1193 684 1223">Setting: [Loop Sensor Control]</p> <ol data-bbox="304 1229 536 1294" style="list-style-type: none"> 1. Select the item. 2. Select On or Off. <table border="1" data-bbox="336 1308 1401 1973"> <thead> <tr> <th data-bbox="336 1308 489 1402" rowspan="2">Display</th> <th data-bbox="489 1308 1171 1402" rowspan="2">Description</th> <th colspan="2" data-bbox="1171 1308 1401 1352">Initial setting</th> </tr> <tr> <th data-bbox="1171 1352 1286 1402">65ppm</th> <th data-bbox="1286 1352 1401 1402">80ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1402 489 1518">No.1</td> <td data-bbox="489 1402 1171 1518">Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 30mm.</td> <td data-bbox="1171 1402 1286 1518">On</td> <td data-bbox="1286 1402 1401 1518">On</td> </tr> <tr> <td data-bbox="336 1518 489 1671">No.2</td> <td data-bbox="489 1518 1171 1671">Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 30 to 60 mm</td> <td data-bbox="1171 1518 1286 1671">On</td> <td data-bbox="1286 1518 1401 1671">On</td> </tr> <tr> <td data-bbox="336 1671 489 1823">No.3</td> <td data-bbox="489 1671 1171 1823">Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 60 to 90 mm</td> <td data-bbox="1171 1671 1286 1823">On</td> <td data-bbox="1286 1671 1401 1823">On</td> </tr> <tr> <td data-bbox="336 1823 489 1973">No.4</td> <td data-bbox="489 1823 1171 1973">Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 90 to 120 mm</td> <td data-bbox="1171 1823 1286 1973">On</td> <td data-bbox="1286 1823 1401 1973">On</td> </tr> </tbody> </table>	Display	Description	Set Loop Sensor	Enter the data value for loop sensor	Loop Sensor Control	Set the loop sensor detection control	Set Loop Sensor Valid	Sets the presence or absence of the loop sensor	Display	Description	Initial setting		65ppm	80ppm	No.1	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 30mm.	On	On	No.2	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 30 to 60 mm	On	On	No.3	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 60 to 90 mm	On	On	No.4	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 90 to 120 mm	On	On
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No.3	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 60 to 90 mm	On	On																												
No.4	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 90 to 120 mm	On	On																												

Item No.	Description			
U052			Initial setting	
	Display	Description	65ppm	80ppm
	No.5	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 120 to 150 mm	On	Off
	No.6	Determines whether to attempt a correction in the fuser speed in reference to the transfer-separation speed, over the length of paper from the leading edge to 150 to 180 mm	On	Off
3. Press the start key. The setting is set.				
Setting: [Set Loop Sensor Valid]				
1. Select On or Off.				
Initial setting: On				
2. Press the start key. The setting is set.				
Completion				
Press the stop key. The indication for selecting a maintenance item No. appears.				


Item No.	Description																																																
U053	<p data-bbox="288 241 829 275">Setting the adjustment of the motor speed</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 927 374">Performs fine adjustment of the speeds of the motors.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1362 479">Basically, the setting need not be changed. Modify settings by interlock setting only if faulty images occur.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="308 553 691 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted <table border="1" data-bbox="336 631 1399 1173"> <thead> <tr> <th data-bbox="336 631 528 676">Display</th> <th data-bbox="528 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 528 721">Motor1</td> <td data-bbox="528 676 1399 721">Adjustment of drum motor speeds</td> </tr> <tr> <td data-bbox="336 721 528 810">Motor2</td> <td data-bbox="528 721 1399 810">Adjustment of developer motor, registration motor and transfer motor speeds</td> </tr> <tr> <td data-bbox="336 810 528 922">Motor3</td> <td data-bbox="528 810 1399 922">Adjustment of eject motor, fuser motor, BR decurler motor, BR conveying motor 1/2, paper feed motor, JS eject motor, middle motor and duplex motor 1/2 speeds</td> </tr> <tr> <td data-bbox="336 922 528 967">Motor1 Half</td> <td data-bbox="528 922 1399 967">Adjustment of drum motor speeds in half speed</td> </tr> <tr> <td data-bbox="336 967 528 1057">Motor2 Half</td> <td data-bbox="528 967 1399 1057">Adjustment of developer motor, registration motor and transfer motor speeds in half speed</td> </tr> <tr> <td data-bbox="336 1057 528 1173">Motor3 Half</td> <td data-bbox="528 1057 1399 1173">Adjustment of eject motor, fuser motor, BR decurler motor, BR conveying motor 1/2, paper feed motor, JS eject motor, middle motor and duplex motor 1/2 speeds in half speed</td> </tr> </tbody> </table> <p data-bbox="288 1218 507 1247">Setting: [Motor1]</p> <ol data-bbox="308 1254 697 1283" style="list-style-type: none"> 1. Select the item to be adjusted. <table border="1" data-bbox="336 1296 1399 1440"> <thead> <tr> <th data-bbox="336 1296 520 1391" rowspan="2">Display</th> <th data-bbox="520 1296 927 1391" rowspan="2">Description</th> <th data-bbox="927 1296 1126 1391" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1296 1399 1341">Initial setting</th> </tr> <tr> <th data-bbox="1126 1341 1262 1391">65 ppm</th> <th data-bbox="1262 1341 1399 1391">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1391 520 1440">Drum(K)</td> <td data-bbox="520 1391 927 1440">Drum motor (DRM)</td> <td data-bbox="927 1391 1126 1440">-5000 to 5000</td> <td data-bbox="1126 1391 1262 1440">0</td> <td data-bbox="1262 1391 1399 1440">0</td> </tr> </tbody> </table> <p data-bbox="288 1523 507 1552">Setting: [Motor2]</p> <ol data-bbox="308 1559 697 1588" style="list-style-type: none"> 1. Select the item to be adjusted. <table border="1" data-bbox="336 1601 1399 1839"> <thead> <tr> <th data-bbox="336 1601 520 1695" rowspan="2">Display</th> <th data-bbox="520 1601 927 1695" rowspan="2">Description</th> <th data-bbox="927 1601 1126 1695" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1601 1399 1646">Initial setting</th> </tr> <tr> <th data-bbox="1126 1646 1262 1695">65 ppm</th> <th data-bbox="1262 1646 1399 1695">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1695 520 1740">Dev(K)</td> <td data-bbox="520 1695 927 1740">Developer motor (DEV M)</td> <td data-bbox="927 1695 1126 1740">-5000 to 5000</td> <td data-bbox="1126 1695 1262 1740">813</td> <td data-bbox="1262 1695 1399 1740">639</td> </tr> <tr> <td data-bbox="336 1740 520 1785">Regist</td> <td data-bbox="520 1740 927 1785">Registration motor (RM)</td> <td data-bbox="927 1740 1126 1785">-5000 to 5000</td> <td data-bbox="1126 1740 1262 1785">32</td> <td data-bbox="1262 1740 1399 1785">25</td> </tr> <tr> <td data-bbox="336 1785 520 1839">Sep Belt</td> <td data-bbox="520 1785 927 1839">Transfer motor (TRM)</td> <td data-bbox="927 1785 1126 1839">-5000 to 5000</td> <td data-bbox="1126 1785 1262 1839">14</td> <td data-bbox="1262 1785 1399 1839">11</td> </tr> </tbody> </table>	Display	Description	Motor1	Adjustment of drum motor speeds	Motor2	Adjustment of developer motor, registration motor and transfer motor speeds	Motor3	Adjustment of eject motor, fuser motor, BR decurler motor, BR conveying motor 1/2, paper feed motor, JS eject motor, middle motor and duplex motor 1/2 speeds	Motor1 Half	Adjustment of drum motor speeds in half speed	Motor2 Half	Adjustment of developer motor, registration motor and transfer motor speeds in half speed	Motor3 Half	Adjustment of eject motor, fuser motor, BR decurler motor, BR conveying motor 1/2, paper feed motor, JS eject motor, middle motor and duplex motor 1/2 speeds in half speed	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Drum(K)	Drum motor (DRM)	-5000 to 5000	0	0	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Dev(K)	Developer motor (DEV M)	-5000 to 5000	813	639	Regist	Registration motor (RM)	-5000 to 5000	32	25	Sep Belt	Transfer motor (TRM)	-5000 to 5000	14	11
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Item No.	Description				
U053	Setting: [Motor3]				
	1. Select the item to be adjusted.				
	Display	Description	Setting range	Initial setting	
				65 ppm	80 ppm
	SB	Eject motor (EM)	-5000 to 5000	54	42
	Fixing	Fuser motor (FUM)	-5000 to 5000	-26	-21
	Decal	BR decurler motor (BRDM)	-5000 to 5000	93	72
	Bridge1	BR conveying motor 1 (BRCM1)	-5000 to 5000	57	45
	Bridge2	BR conveying motor 2 (BRCM2)	-5000 to 5000	57	45
	Feed	Paper feed motor (PFM)	-5000 to 5000	79	62
	Job Separator	JS eject motor (JSEM)	-5000 to 5000	54	43
	Mid Roller	Middle motor (MM)	-5000 to 5000	87	69
	DU1	Duplex motor 1 (DUM1)	-5000 to 5000	-8	-6
	DU2	Duplex motor 2 (DUM2)	-5000 to 5000	-8	-6
	Bridge1 DF High	BR conveying motor 1 (BRCM1)	-5000 to 5000	0	0
	Bridge1 DF Low	BR conveying motor 1 (BRCM1)	-5000 to 5000	0	0
	Bridge2 DF High	BR conveying motor 2 (BRCM2)	-5000 to 5000	0	0
	Bridge2 DF Low	BR conveying motor 2 (BRCM2)	-5000 to 5000	0	0
	Setting: [Motor1 Half]				
	1. Select the item to be adjusted.				
	Display	Description	Setting range	Initial setting	
				65 ppm	80 ppm
	Drum(K)	Drum motor (DRM) in half speed	-5000 to 5000	0	0

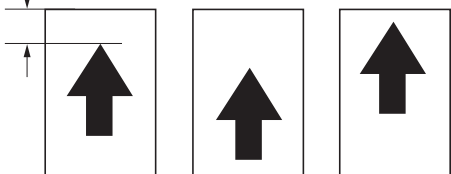
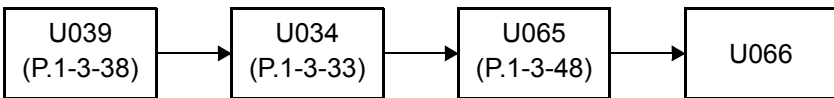
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U059	<p data-bbox="288 241 512 275">Setting fan mode</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 778 374">Specifies mode for developer fan motors.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1318 443">Handling the lowering density [to suppress thermal stresses owing to the heated toner]</p> <p data-bbox="288 555 387 584">Method</p> <ol data-bbox="304 589 564 651" style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1" data-bbox="336 665 1401 875"> <thead> <tr> <th data-bbox="336 665 603 712">Display</th> <th data-bbox="603 665 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 603 790">Fan Mode</td> <td data-bbox="603 712 1401 790">Sets threshold temperature at which developer fan motors operate.</td> </tr> <tr> <td data-bbox="336 790 603 875">Cooling Mode</td> <td data-bbox="603 790 1401 875">Sets temperature at which the developer fan motors are switched for controlling.</td> </tr> </tbody> </table> <p data-bbox="288 925 544 954">Setting: [Fan Mode]</p> <ol data-bbox="304 958 539 987" style="list-style-type: none"> 1. Select the mode. <table border="1" data-bbox="336 1001 1401 1485"> <thead> <tr> <th data-bbox="336 1001 564 1048">Display</th> <th data-bbox="564 1001 1401 1048">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1048 564 1099">Mode1</td> <td data-bbox="564 1048 1401 1099">Setting temperature:Normal</td> </tr> <tr> <td data-bbox="336 1099 564 1216">Mode2</td> <td data-bbox="564 1099 1401 1216">Setting temperature:Temperature threshold is raised from mode1 (WUP, temperature at READY : mode1 temperature -7(°C), Temperature at PRINT : mode1 temperature -3(°C).)</td> </tr> <tr> <td data-bbox="336 1216 564 1332">Mode3</td> <td data-bbox="564 1216 1401 1332">Setting temperature:Temperature threshold is raised from mode2 (WUP, temperature at READY : mode1 temperature -22(°C), Temperature at PRINT : mode1 temperature -8(°C).)</td> </tr> <tr> <td data-bbox="336 1332 564 1485">Auto</td> <td data-bbox="564 1332 1401 1485">Starting with Mode 2 at power up or recovery from sleep mode, and switches to Mode 3 when the termistor detects a developer temperature BK is equal to or higher than 38°C. The device never reverts from mode 2 from mode 3 while power is on.</td> </tr> </tbody> </table> <p data-bbox="336 1509 584 1538">Initial setting: Mode1</p> <ol data-bbox="304 1543 783 1572" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1615 595 1644">Setting: [Cooling Mode]</p> <ol data-bbox="304 1648 858 1677" style="list-style-type: none"> 1. Change the setting value using the +/- keys. <table border="1" data-bbox="336 1691 1385 1856"> <thead> <tr> <th data-bbox="336 1691 564 1769">Display</th> <th data-bbox="564 1691 1050 1769">Description</th> <th data-bbox="1050 1691 1219 1769">Setting range</th> <th data-bbox="1219 1691 1385 1769">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1769 564 1856">Cooling Mode</td> <td data-bbox="564 1769 1050 1856">Amount of shift from the initial standard temperature</td> <td data-bbox="1050 1769 1219 1856">-3 to 3 (°C)</td> <td data-bbox="1219 1769 1385 1856">0</td> </tr> </tbody> </table> <p data-bbox="336 1868 1217 1897">A larger value advances the operating timing, and a smaller value slows it.</p> <ol data-bbox="304 1901 767 1930" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1971 440 2000">Completion</p> <p data-bbox="288 2004 1246 2033">Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Fan Mode	Sets threshold temperature at which developer fan motors operate.	Cooling Mode	Sets temperature at which the developer fan motors are switched for controlling.	Display	Description	Mode1	Setting temperature:Normal	Mode2	Setting temperature:Temperature threshold is raised from mode1 (WUP, temperature at READY : mode1 temperature -7(°C), Temperature at PRINT : mode1 temperature -3(°C).)	Mode3	Setting temperature:Temperature threshold is raised from mode2 (WUP, temperature at READY : mode1 temperature -22(°C), Temperature at PRINT : mode1 temperature -8(°C).)	Auto	Starting with Mode 2 at power up or recovery from sleep mode, and switches to Mode 3 when the termistor detects a developer temperature BK is equal to or higher than 38°C. The device never reverts from mode 2 from mode 3 while power is on.	Display	Description	Setting range	Initial setting	Cooling Mode	Amount of shift from the initial standard temperature	-3 to 3 (°C)	0
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Display	Description	Setting range	Initial setting																						
Cooling Mode	Amount of shift from the initial standard temperature	-3 to 3 (°C)	0																						

Item No.	Description										
U061	<p>Checking the operation of the exposure lamp</p> <p>Description Lights the exposure lamp.</p> <p>Purpose To check whether the exposure lamp are turned on.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 603 645">Display</th> <th data-bbox="603 595 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 603 689">CCD</td> <td data-bbox="603 645 1401 689">The exposure lamp lights</td> </tr> <tr> <td data-bbox="336 689 603 741">CIS</td> <td data-bbox="603 689 1401 741">The CIS lights</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The lamp lights. 4. To turn the lamp off, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	The exposure lamp lights	CIS	The CIS lights				
Display	Description										
CCD	The exposure lamp lights										
CIS	The CIS lights										
U063	<p>Adjusting the shading position</p> <p>Description Changes the shading position of the scanner.</p> <p>Purpose Used when the white line continue to appear longitudinally on the image after the shading plate is cleaned. This is due to flaws or stains inside the shading plate. To prevent this problem, the shading position should be changed so that shading is possible without being affected by the flaws or stains.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1393 1401 1525"> <thead> <tr> <th data-bbox="336 1393 528 1473">Display</th> <th data-bbox="528 1393 922 1473">Description</th> <th data-bbox="922 1393 1082 1473">Setting range</th> <th data-bbox="1082 1393 1193 1473">Initial setting</th> <th data-bbox="1193 1393 1401 1473">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1473 528 1525">Position</td> <td data-bbox="528 1473 922 1525">Shading position</td> <td data-bbox="922 1473 1082 1525">0 to 18</td> <td data-bbox="1082 1473 1193 1525">0</td> <td data-bbox="1193 1473 1401 1525">0.158 mm</td> </tr> </tbody> </table> <p>Increasing the value moves the shading position toward the machine left, and decreasing it moves the position toward the machine right.</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Position	Shading position	0 to 18	0	0.158 mm
Display	Description	Setting range	Initial setting	Change in value per step							
Position	Shading position	0 to 18	0	0.158 mm							


Item No.	Description															
U065	<p data-bbox="287 241 758 273">Adjusting the scanner magnification</p> <p data-bbox="287 309 438 340">Description</p> <p data-bbox="287 344 877 376">Adjusts the magnification of the original scanning.</p> <p data-bbox="287 380 399 412">Purpose</p> <p data-bbox="287 416 1276 448">Make the adjustment if the magnification in the main scanning direction is incorrect.</p> <p data-bbox="287 452 1316 483">Make the adjustment if the magnification in the auxiliary scanning direction is incorrect.</p> <p data-bbox="287 519 391 551">Caution</p> <p data-bbox="287 555 1364 622">The magnification adjustment along the main scanning direction could cause black streaks depending on the content of the original document.</p> <p data-bbox="287 627 1013 658">Adjust the magnification of the scanner in the following order.</p> <div data-bbox="295 672 1053 772" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> U039 (P.1-3-38) </div> <div style="font-size: 24px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> U065 main scanning direction </div> <div style="font-size: 24px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> U065 auxiliary scanning direction </div> </div> </div> <p data-bbox="287 815 391 846">Method</p> <ol data-bbox="303 851 1061 1019" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="335 1030 1396 1288" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Main Scan</td> <td>Scanner magnification in the main scanning direction</td> <td>-75 to 75</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Sub Scan</td> <td>Scanner magnification in the auxiliary scanning direction</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> </tbody> </table> <p data-bbox="287 1326 606 1357">Adjustment: [Main Scan]</p> <ol data-bbox="303 1361 1300 1467" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the setting enlarges the image and decreasing it narrows the image. <div data-bbox="662 1478 1061 1713" style="text-align: center; margin: 10px 0;">  <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;">Original</div> <div style="text-align: center;">Copy example 1</div> <div style="text-align: center;">Copy example 2</div> </div> </div> <p data-bbox="782 1736 941 1767" style="text-align: center;">Figure 1-3-8</p> <ol data-bbox="303 1803 766 1834" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Setting range	Initial setting	Change in value per step	Main Scan	Scanner magnification in the main scanning direction	-75 to 75	0	0.02 %	Sub Scan	Scanner magnification in the auxiliary scanning direction	-125 to 125	0	0.02 %
Display	Description	Setting range	Initial setting	Change in value per step												
Main Scan	Scanner magnification in the main scanning direction	-75 to 75	0	0.02 %												
Sub Scan	Scanner magnification in the auxiliary scanning direction	-125 to 125	0	0.02 %												


Item No.	Description
U065	<p data-bbox="288 244 596 271">Adjustment: [Sub Scan]</p> <p data-bbox="308 277 1412 409">1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value makes the image longer, while decreasing the value makes the image shorter.</p> <div data-bbox="667 436 1054 658" style="text-align: center;"><p data-bbox="678 600 1054 658">Original Copy example 1 Copy example 2</p></div> <p data-bbox="785 689 938 716">Figure 1-3-9</p> <p data-bbox="308 759 767 786">2. Press the start key. The value is set.</p> <p data-bbox="288 826 440 853">Completion</p> <p data-bbox="288 860 1254 887">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>


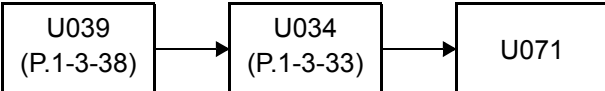
Item No.	Description															
U066	<p data-bbox="288 241 900 273">Adjusting the scanner leading edge registration</p> <p data-bbox="288 311 440 338">Description</p> <p data-bbox="288 344 1115 376">Adjusts the scanner leading edge registration of the original scanning.</p> <p data-bbox="288 383 400 409">Purpose</p> <p data-bbox="288 416 1425 479">Make the adjustment if there is a regular error between the leading edges of the copy image and original.</p> <p data-bbox="288 517 440 544">Adjustment</p> <ol data-bbox="304 553 1058 719" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 983"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>Scanner leading edge registration</td> <td>-30 to 30</td> <td>0</td> <td>0.158 mm</td> </tr> <tr> <td>Rotate</td> <td>Scanner leading edge registration (rotate copying)</td> <td>-30 to 30</td> <td>0</td> <td>0.158 mm</td> </tr> </tbody> </table> <ol data-bbox="304 994 1406 1124" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value moves the image forward and decreasing the value moves the image backward. <div data-bbox="576 1153 1299 1458" data-label="Image"> <p data-bbox="584 1153 1299 1184">Leading edge registration of the copy image (+1.0/-1.5 mm or less)</p>  <p data-bbox="635 1400 719 1426">Original</p> <p data-bbox="767 1400 874 1458">Copy example 1</p> <p data-bbox="911 1400 1018 1458">Copy example 2</p> </div> <p data-bbox="775 1489 946 1520">Figure 1-3-10</p> <ol data-bbox="304 1559 767 1590" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1628 392 1655">Caution</p> <p data-bbox="288 1662 1425 1724">If the above adjustment does not optimize the leading edge registration, proceed with the following maintenance modes.</p> <div data-bbox="293 1742 1129 1839" data-label="Diagram">  <pre> graph LR U039[U039 (P.1-3-38)] --> U034[U034 (P.1-3-33)] U034 --> U065[U065 (P.1-3-48)] U065 --> U066[U066] </pre> </div> <p data-bbox="288 1888 440 1915">Completion</p> <p data-bbox="288 1921 1254 1953">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Scanner leading edge registration	-30 to 30	0	0.158 mm	Rotate	Scanner leading edge registration (rotate copying)	-30 to 30	0	0.158 mm
Display	Description	Setting range	Initial setting	Change in value per step												
Front	Scanner leading edge registration	-30 to 30	0	0.158 mm												
Rotate	Scanner leading edge registration (rotate copying)	-30 to 30	0	0.158 mm												

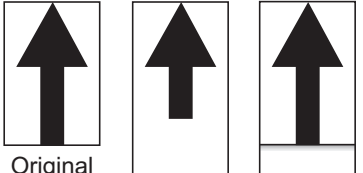
Item No.	Description															
U067	<p data-bbox="288 241 715 271">Adjusting the scanner center line</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 946 374">Adjusts the scanner center line of the original scanning.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1401 479">Make the adjustment if there is a regular error between the center lines of the copy image and original.</p> <p data-bbox="288 517 440 546">Adjustment</p> <ol data-bbox="304 553 1058 719" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 949"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>Scanner center line</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>Rotate</td> <td>Scanner center line (rotate copying)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <ol data-bbox="304 958 1431 1055" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, decrease the value. For copy example 2, increase the value. Increasing the value moves the image leftward and decreasing it moves the image rightward. <div data-bbox="647 1084 1158 1379" data-label="Image"> <p data-bbox="647 1084 1158 1113">Center line of the copy image (within ± 2.0 mm)</p> </div> <p data-bbox="775 1406 943 1435">Figure 1-3-11</p> <ol data-bbox="304 1473 767 1503" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1547 392 1576">Caution</p> <p data-bbox="288 1581 1382 1646">If the above adjustment does not optimize the center line, proceed with the following maintenance modes.</p> <div data-bbox="293 1664 903 1760" data-label="Diagram"> </div> <p data-bbox="288 1809 440 1839">Completion</p> <p data-bbox="288 1843 1254 1872">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Scanner center line	-60 to 60	0	0.085 mm	Rotate	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step												
Front	Scanner center line	-60 to 60	0	0.085 mm												
Rotate	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm												

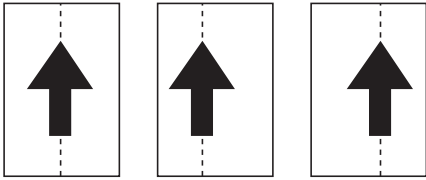
Item No.	Description															
U068	<p data-bbox="288 241 1021 275">Adjusting the scanning position for originals from the DP</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1414 412">Adjusts the position for scanning originals from the DP. Performs the test copy at the four scanning positions after adjusting.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1426 517">Used when the image fogging occurs because the scanning position is not proper when the DP is used. Run U071 to adjust the timing of DP leading edge when the scanning position is changed.</p> <p data-bbox="288 553 384 582">Setting</p> <p data-bbox="304 586 571 616">1. Press the start key.</p> <table border="1" data-bbox="336 631 1401 880"> <thead> <tr> <th data-bbox="336 631 528 712">Display</th> <th data-bbox="528 631 922 712">Description</th> <th data-bbox="922 631 1082 712">Setting range</th> <th data-bbox="1082 631 1193 712">Initial setting</th> <th data-bbox="1193 631 1401 712">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 528 792">DP Read</td> <td data-bbox="528 712 922 792">Starting position adjustment for scanning originals</td> <td data-bbox="922 712 1082 792">-38 to 38</td> <td data-bbox="1082 712 1193 792">0</td> <td data-bbox="1193 712 1401 792">0.158 mm</td> </tr> <tr> <td data-bbox="336 792 528 880">Black Line</td> <td data-bbox="528 792 922 880">Scanning position for the test copy originals</td> <td data-bbox="922 792 1082 880">0 to 3</td> <td data-bbox="1082 792 1193 880">0</td> <td data-bbox="1193 792 1401 880">-</td> </tr> </tbody> </table> <p data-bbox="304 891 549 920">2. Select [DP Read].</p> <p data-bbox="304 925 983 954">3. Change the setting using the +/- keys or numeric keys.</p> <p data-bbox="333 958 1426 1025">When the setting value is increased, the scanning position moves to the right and it moves to the left when the setting value is decreased.</p> <p data-bbox="304 1030 766 1059">4. Press the start key. The value is set.</p> <p data-bbox="304 1064 564 1093">5. Select [Black Line].</p> <p data-bbox="304 1097 983 1126">6. Change the setting using the +/- keys or numeric keys.</p> <p data-bbox="304 1131 766 1160">7. Press the start key. The value is set.</p> <p data-bbox="304 1164 1417 1193">8. Set the original (the one which density is known) in the DP and press the system menu key.</p> <p data-bbox="304 1198 834 1227">9. Press the start key. Test copy is executed.</p> <p data-bbox="288 1232 1426 1299">10. Perform the test copy at each scanning position with the setting value from 0 to 3 and check that no black line appears and the image is normally scanned.</p> <p data-bbox="288 1335 440 1364">Completion</p> <p data-bbox="288 1368 1254 1397">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	DP Read	Starting position adjustment for scanning originals	-38 to 38	0	0.158 mm	Black Line	Scanning position for the test copy originals	0 to 3	0	-
Display	Description	Setting range	Initial setting	Change in value per step												
DP Read	Starting position adjustment for scanning originals	-38 to 38	0	0.158 mm												
Black Line	Scanning position for the test copy originals	0 to 3	0	-												

Item No.	Description																				
U070	<p data-bbox="288 241 689 271">Adjusting the DP magnification</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 764 374">Adjusts the DP original scanning speed.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1425 477">Make the adjustment if the magnification is incorrect in the auxiliary scanning direction when the DP is used.</p> <p data-bbox="288 483 1425 546">Make the adjustment if the magnification is incorrect in the main scanning direction when the CIS is used.</p> <p data-bbox="288 589 440 618">Adjustment</p> <ol data-bbox="308 622 1182 790" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 804 1399 1169"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Sub Scan(F)</td> <td>Magnification in the auxiliary scanning direction of CCD (first side)</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Main Scan(CIS)</td> <td>Magnification in the main scanning direction of CIS</td> <td>-100 to 100</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Sub Scan(CIS)</td> <td>Magnification in the auxiliary scanning direction of CIS</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> </tbody> </table> <p data-bbox="288 1214 595 1243">Adjustment: [Sub Scan]</p> <ol data-bbox="308 1247 1410 1379" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value makes the image longer, while decreasing the value makes the image shorter. <div data-bbox="667 1406 1054 1630" style="text-align: center;">  <p data-bbox="676 1572 762 1601">Original</p> <p data-bbox="804 1572 916 1630">Copy example 1</p> <p data-bbox="943 1572 1054 1630">Copy example 2</p> </div> <p data-bbox="775 1655 946 1684">Figure 1-3-12</p> <ol data-bbox="308 1727 766 1756" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Setting range	Initial setting	Change in value per step	Sub Scan(F)	Magnification in the auxiliary scanning direction of CCD (first side)	-125 to 125	0	0.02 %	Main Scan(CIS)	Magnification in the main scanning direction of CIS	-100 to 100	0	0.02 %	Sub Scan(CIS)	Magnification in the auxiliary scanning direction of CIS	-125 to 125	0	0.02 %
Display	Description	Setting range	Initial setting	Change in value per step																	
Sub Scan(F)	Magnification in the auxiliary scanning direction of CCD (first side)	-125 to 125	0	0.02 %																	
Main Scan(CIS)	Magnification in the main scanning direction of CIS	-100 to 100	0	0.02 %																	
Sub Scan(CIS)	Magnification in the auxiliary scanning direction of CIS	-125 to 125	0	0.02 %																	

Item No.	Description
U070	<p>Adjustment: [Main Scan]</p> <p>1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the setting enlarges the image and decreasing it narrows the image.</p> <div style="text-align: center;">  <p style="display: flex; justify-content: space-around; margin-top: 5px;"> Original Copy example 1 Copy example 2 </p> </div> <p style="text-align: center;">Figure 1-3-13</p> <p>2. Press the start key. The value is set.</p> <p>Caution If the above adjustment does not optimize the magnification, perform the following maintenance modes.</p> <div style="text-align: center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">U039 (P.1-3-38)</div> → <div style="border: 1px solid black; padding: 5px; display: inline-block;">U070</div> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																									
U071	<p data-bbox="287 241 718 275">Adjusting the DP scanning timing</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 758 378">Adjusts the DP original scanning timing.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1423 483">Make the adjustment if there is a regular error between the leading or trailing edges of the original and the copy image when the DP is used.</p> <p data-bbox="287 517 391 551">Method</p> <ol data-bbox="303 553 1181 721" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="335 734 1401 1115"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front Head</td> <td>Leading edge registration of CCD (first side)</td> <td>-19 to 19</td> <td>0</td> <td>0.297 mm</td> </tr> <tr> <td>Front Tail</td> <td>Trailing edge registration of CCD (first side)</td> <td>-19 to 19</td> <td>0</td> <td>0.297 mm</td> </tr> <tr> <td>CIS Head</td> <td>Leading edge registration of CIS</td> <td>-19 to 19</td> <td>0</td> <td>0.297 mm</td> </tr> <tr> <td>CIS Tail</td> <td>Trailing edge registration of CIS</td> <td>-19 to 19</td> <td>0</td> <td>0.297 mm</td> </tr> </tbody> </table> <p data-bbox="287 1155 782 1189">Adjustment: Leading edge registration</p> <ol data-bbox="303 1191 1404 1326" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value moves the image forward and decreasing the value moves the image backward. <div data-bbox="654 1348 1066 1585" style="text-align: center;">  <p data-bbox="670 1529 758 1563">Original</p> <p data-bbox="805 1529 917 1585">Copy example 1</p> <p data-bbox="949 1529 1061 1585">Copy example 2</p> </div> <p data-bbox="774 1608 949 1641">Figure 1-3-14</p> <ol data-bbox="303 1680 766 1713" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1747 391 1780">Caution</p> <p data-bbox="287 1783 1380 1850">If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment.</p> <p data-bbox="287 1852 1428 1919">If the above adjustment does not optimize the leading edge registration, proceed with the following maintenance modes.</p> <div data-bbox="295 1937 901 2027" style="text-align: center;">  <pre> graph LR U039["U039 (P.1-3-38)"] --> U034["U034 (P.1-3-33)"] U034 --> U071["U071"] </pre> </div>	Display	Description	Setting range	Initial setting	Change in value per step	Front Head	Leading edge registration of CCD (first side)	-19 to 19	0	0.297 mm	Front Tail	Trailing edge registration of CCD (first side)	-19 to 19	0	0.297 mm	CIS Head	Leading edge registration of CIS	-19 to 19	0	0.297 mm	CIS Tail	Trailing edge registration of CIS	-19 to 19	0	0.297 mm
Display	Description	Setting range	Initial setting	Change in value per step																						
Front Head	Leading edge registration of CCD (first side)	-19 to 19	0	0.297 mm																						
Front Tail	Trailing edge registration of CCD (first side)	-19 to 19	0	0.297 mm																						
CIS Head	Leading edge registration of CIS	-19 to 19	0	0.297 mm																						
CIS Tail	Trailing edge registration of CIS	-19 to 19	0	0.297 mm																						




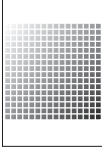



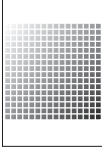



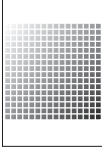
Item No.	Description
U071	<p data-bbox="288 241 775 275">Adjustment: Trailing edge registration</p> <p data-bbox="308 277 1302 342">1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value.</p> <div data-bbox="679 367 1043 607" style="text-align: center;"><p data-bbox="687 517 772 546">Original</p><p data-bbox="810 546 911 607">Copy example 1</p><p data-bbox="938 546 1038 607">Copy example 2</p></div> <p data-bbox="778 631 946 665" style="text-align: center;">Figure 1-3-15</p> <p data-bbox="308 701 767 734">2. Press the start key. The value is set.</p> <p data-bbox="288 770 392 804">Caution</p> <p data-bbox="288 804 1382 869">If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment.</p> <p data-bbox="288 907 440 940">Completion</p> <p data-bbox="288 940 1254 974">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description															
U072	<p data-bbox="287 241 651 275">Adjusting the DP center line</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 927 378">Adjusts the scanning start position for the DP original.</p> <p data-bbox="287 380 400 414">Purpose</p> <p data-bbox="287 416 1414 483">Make the adjustment if there is a regular error between the centers of the original and the copy image when the DP is used.</p> <p data-bbox="287 517 443 551">Adjustment</p> <ol data-bbox="304 553 1185 723" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 913"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>DP center line (first side)</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>CIS</td> <td>CIS center line</td> <td>-39 to 39</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <ol data-bbox="304 925 1433 1025" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value moves the image rightward and decreasing it moves the image leftward. <div data-bbox="647 1048 1074 1285" style="text-align: center;">  <p data-bbox="667 1229 751 1256">Original</p> <p data-bbox="804 1229 916 1285">Copy example 1</p> <p data-bbox="959 1229 1070 1285">Copy example 2</p> </div> <p data-bbox="775 1312 946 1346">Figure 1-3-16</p> <ol data-bbox="304 1379 767 1413" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="287 1451 392 1485">Caution</p> <p data-bbox="287 1487 1382 1554">If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment.</p> <p data-bbox="287 1556 1382 1624">If the above adjustment does not optimize the center line, proceed with the following maintenance modes.</p> <div data-bbox="293 1637 1129 1733" style="text-align: center;"> <pre> graph LR U034["U034 (P.1-3-34)"] --> U065["U065 (P.1-3-48)"] U065 --> U067["U067 (P.1-3-51)"] U067 --> U072["U072"] </pre> </div> <p data-bbox="287 1783 440 1816">Completion</p> <p data-bbox="287 1818 1254 1852">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	DP center line (first side)	-60 to 60	0	0.085 mm	CIS	CIS center line	-39 to 39	0	0.085 mm
Display	Description	Setting range	Initial setting	Change in value per step												
Front	DP center line (first side)	-60 to 60	0	0.085 mm												
CIS	CIS center line	-39 to 39	0	0.085 mm												

Item No.	Description																																																										
U073	<p data-bbox="288 241 702 275">Checking the scanner operation</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1037 376">Simulates the scanner operation under the arbitrary conditions.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1409 479">To check the scanner operation. This is also done to check the accumulation of dust on the slit glass.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 702 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. <table border="1" data-bbox="336 631 1401 871"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Scanner Motor</td> <td data-bbox="639 676 1401 721">Scanner operation</td> </tr> <tr> <td data-bbox="336 721 639 766">Home Position</td> <td data-bbox="639 721 1401 766">Home position operation</td> </tr> <tr> <td data-bbox="336 766 639 810">Dust Check</td> <td data-bbox="639 766 1401 810">Dust adhesion check operation with lamp on</td> </tr> <tr> <td data-bbox="336 810 639 855">DP Reading</td> <td data-bbox="639 810 1401 855">DP scanning position operation</td> </tr> </tbody> </table> <p data-bbox="288 913 606 943">Setting: [Scanner Motor]</p> <ol data-bbox="304 947 786 1048" style="list-style-type: none"> 1. Select [Scanner Motor]. 2. Select the item. 3. Change the setting using the +/- keys. <table border="1" data-bbox="336 1061 1401 1285"> <thead> <tr> <th data-bbox="336 1061 564 1106">Display</th> <th data-bbox="564 1061 943 1106">Operating conditions</th> <th data-bbox="943 1061 1171 1106">Setting range</th> <th data-bbox="1171 1061 1401 1106">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1106 564 1151">Zoom</td> <td data-bbox="564 1106 943 1151">Magnification</td> <td data-bbox="943 1106 1171 1151">25 to 400 %</td> <td data-bbox="1171 1106 1401 1151">100</td> </tr> <tr> <td data-bbox="336 1151 564 1196">Size</td> <td data-bbox="564 1151 943 1196">Original size</td> <td data-bbox="943 1151 1171 1196">See below.</td> <td data-bbox="1171 1151 1401 1196">10200</td> </tr> <tr> <td data-bbox="336 1196 564 1285">Lamp</td> <td data-bbox="564 1196 943 1285">On and off of the exposure lamp</td> <td data-bbox="943 1196 1171 1285">0 (off) or 1 (on)</td> <td data-bbox="1171 1196 1401 1285">1</td> </tr> </tbody> </table> <p data-bbox="336 1346 783 1375">Original sizes for each setting in SIZE</p> <table border="1" data-bbox="336 1388 1401 1771"> <thead> <tr> <th data-bbox="336 1388 603 1433">Setting</th> <th data-bbox="603 1388 869 1433">Paper size</th> <th data-bbox="869 1388 1136 1433">Setting</th> <th data-bbox="1136 1388 1401 1433">Paper size</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1433 603 1478">5000</td> <td data-bbox="603 1433 869 1478">A4</td> <td data-bbox="869 1433 1136 1478">5000</td> <td data-bbox="1136 1433 1401 1478">A5R</td> </tr> <tr> <td data-bbox="336 1478 603 1523">4300</td> <td data-bbox="603 1478 869 1523">B5</td> <td data-bbox="869 1478 1136 1523">7800</td> <td data-bbox="1136 1478 1401 1523">Folio</td> </tr> <tr> <td data-bbox="336 1523 603 1568">5100</td> <td data-bbox="603 1523 869 1568">11" x 8 1/2"</td> <td data-bbox="869 1523 1136 1568">10200</td> <td data-bbox="1136 1523 1401 1568">11" x 17"</td> </tr> <tr> <td data-bbox="336 1568 603 1612">10000</td> <td data-bbox="603 1568 869 1612">A3</td> <td data-bbox="869 1568 1136 1612">9000</td> <td data-bbox="1136 1568 1401 1612">11" x 15"</td> </tr> <tr> <td data-bbox="336 1612 603 1657">8600</td> <td data-bbox="603 1612 869 1657">B4</td> <td data-bbox="869 1612 1136 1657">8400</td> <td data-bbox="1136 1612 1401 1657">8 1/2" x 14"</td> </tr> <tr> <td data-bbox="336 1657 603 1702">7100</td> <td data-bbox="603 1657 869 1702">A4R</td> <td data-bbox="869 1657 1136 1702">6600</td> <td data-bbox="1136 1657 1401 1702">8 1/2" x 11"</td> </tr> <tr> <td data-bbox="336 1702 603 1771">6100</td> <td data-bbox="603 1702 869 1771">B5R</td> <td data-bbox="869 1702 1136 1771">5100</td> <td data-bbox="1136 1702 1401 1771">5 1/2" x 8 1/2"</td> </tr> </tbody> </table> <ol data-bbox="304 1785 1117 1917" style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Select [Execute]. 6. Press the start key. Scanning starts under the selected conditions. 7. To stop operation, press the stop key. 	Display	Description	Scanner Motor	Scanner operation	Home Position	Home position operation	Dust Check	Dust adhesion check operation with lamp on	DP Reading	DP scanning position operation	Display	Operating conditions	Setting range	Initial setting	Zoom	Magnification	25 to 400 %	100	Size	Original size	See below.	10200	Lamp	On and off of the exposure lamp	0 (off) or 1 (on)	1	Setting	Paper size	Setting	Paper size	5000	A4	5000	A5R	4300	B5	7800	Folio	5100	11" x 8 1/2"	10200	11" x 17"	10000	A3	9000	11" x 15"	8600	B4	8400	8 1/2" x 14"	7100	A4R	6600	8 1/2" x 11"	6100	B5R	5100	5 1/2" x 8 1/2"
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6100	B5R	5100	5 1/2" x 8 1/2"																																																								

Item No.	Description								
U073	<p>Method: [Home Position]</p> <ol style="list-style-type: none"> 1. Select [Home Position]. 2. Press the start key. The mirror frame of the scanner moves to the home position. <p>Method: [Dust Check]</p> <ol style="list-style-type: none"> 1. Select [Dust Check]. 2. Press the start key. The exposure lamp lights. 3. To turn the exposure lamp off, press the stop key. <p>Method: [DP Reading]</p> <ol style="list-style-type: none"> 1. Select [DP Reading]. 2. Press the start key. The mirror frame of the scanner moves to the reading position. <p>Completion</p> <p>Press the stop key when scanning stops. The screen for selecting a maintenance item No. is displayed.</p>								
U074	<p>DP input response adjustment</p> <p>Description</p> <p>Sets the density correction for scanning originals from the DP.</p> <p>Purpose</p> <p>Modify the setting only if a spotted background appears when a bluish original or a document with a background that is slightly colored is scanned from the DP. Perform adjustment if the page scanned using the table and the page scanned using DP do not match.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- or numeric keys. <table border="1" data-bbox="336 1368 1385 1536"> <thead> <tr> <th data-bbox="336 1368 564 1451">Display</th> <th data-bbox="564 1368 1050 1451">Description</th> <th data-bbox="1050 1368 1219 1451">Setting range</th> <th data-bbox="1219 1368 1385 1451">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1451 564 1536">Coefficient</td> <td data-bbox="564 1451 1050 1536">Compensating original document scanning density</td> <td data-bbox="1050 1451 1219 1536">0 to 3</td> <td data-bbox="1219 1451 1385 1536">1</td> </tr> </tbody> </table> <p>Settings 0: No correction / 1: Slight correction / 2: Medium correction / 3: Strong correction</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement</p> <p>While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Coefficient	Compensating original document scanning density	0 to 3	1
Display	Description	Setting range	Initial setting						
Coefficient	Compensating original document scanning density	0 to 3	1						

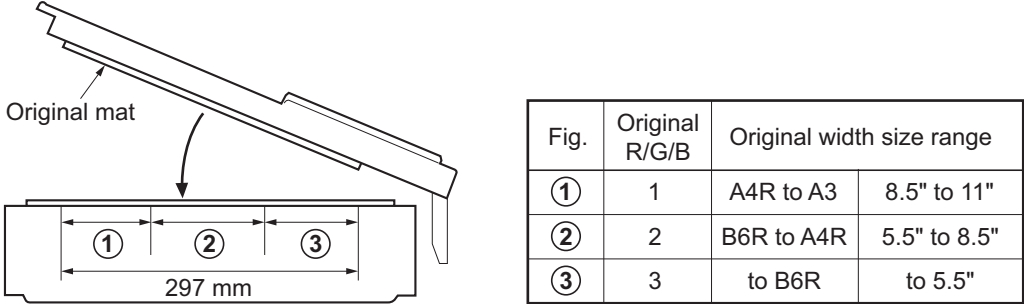
Item No.	Description																						
U087	<p data-bbox="290 241 938 273">Setting DP reading position modification operation</p> <p data-bbox="290 311 440 338">Description</p> <p data-bbox="290 344 1426 479">The presence or absence of dust is determined by comparing the scan data of the original trailing edge and that taken after the original is conveyed past the DP original scanning position. If dust is identified, the DP original scanning position is adjusted for the following originals. Using image correction to reduce black streaks.</p> <p data-bbox="290 486 400 512">Purpose</p> <p data-bbox="290 519 1385 584">When using DP, to solve the problem when black lines occurs due to the dust with respect to original reading position.</p> <p data-bbox="290 622 392 649">Caution</p> <p data-bbox="290 656 1398 721">The coordinates of position where documents are scanned are modified when [System Menu] [Adjustment/Maintenance] [Correcting Black Line] is set to [Off].</p> <p data-bbox="290 759 387 786">Method</p> <ol data-bbox="306 792 632 857" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 873 1399 1016"> <thead> <tr> <th data-bbox="336 873 639 918">Display</th> <th data-bbox="639 873 1399 918">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 918 639 963">CCD</td> <td data-bbox="639 918 1399 963">Setting of standard data when dust is detected.</td> </tr> <tr> <td data-bbox="336 963 639 1016">Black Line</td> <td data-bbox="639 963 1399 1016">Initialization of original reading position.</td> </tr> </tbody> </table> <p data-bbox="290 1061 475 1088">Setting: [CCD]</p> <ol data-bbox="306 1095 906 1160" style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 1173 1383 1400"> <thead> <tr> <th data-bbox="336 1173 489 1256">Display</th> <th data-bbox="489 1173 1050 1256">Description</th> <th data-bbox="1050 1173 1219 1256">Setting range</th> <th data-bbox="1219 1173 1383 1256">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1256 489 1301">R</td> <td data-bbox="489 1256 1050 1301">Lowest density of the R regard as the dust</td> <td data-bbox="1050 1256 1219 1301">0 to 255</td> <td data-bbox="1219 1256 1383 1301">125</td> </tr> <tr> <td data-bbox="336 1301 489 1346">G</td> <td data-bbox="489 1301 1050 1346">Lowest density of the G regard as the dust</td> <td data-bbox="1050 1301 1219 1346">0 to 255</td> <td data-bbox="1219 1301 1383 1346">125</td> </tr> <tr> <td data-bbox="336 1346 489 1400">B</td> <td data-bbox="489 1346 1050 1400">Lowest density of the B regard as the dust</td> <td data-bbox="1050 1346 1219 1400">0 to 255</td> <td data-bbox="1219 1346 1383 1400">125</td> </tr> </tbody> </table> <ol data-bbox="306 1411 767 1438" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="290 1478 555 1505">Method: [Black Line]</p> <ol data-bbox="306 1512 831 1576" style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The setting is cleared. <p data-bbox="290 1617 440 1644">Completion</p> <p data-bbox="290 1650 1254 1682">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	Setting of standard data when dust is detected.	Black Line	Initialization of original reading position.	Display	Description	Setting range	Initial setting	R	Lowest density of the R regard as the dust	0 to 255	125	G	Lowest density of the G regard as the dust	0 to 255	125	B	Lowest density of the B regard as the dust	0 to 255	125
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B	Lowest density of the B regard as the dust	0 to 255	125																				

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U089	<p data-bbox="290 241 654 273">Outputting a MIP-PG pattern</p> <p data-bbox="290 311 440 342">Description</p> <p data-bbox="290 344 1050 376">Selects and outputs the MIP-PG pattern created in the machine.</p> <p data-bbox="290 380 400 412">Purpose</p> <p data-bbox="290 414 1422 481">To check copier status other than scanner when adjusting image printing, using MIP-PG pattern output (with-out scanning).</p> <p data-bbox="290 517 387 548">Method</p> <ol data-bbox="306 553 1082 620" style="list-style-type: none"> 1. Press the start key. 2. Select the MIP-PG pattern to be output and press the start key. <table border="1" data-bbox="336 629 1401 1518"> <thead> <tr> <th data-bbox="336 629 603 674">Display</th> <th data-bbox="603 629 922 674">PG pattern to be output</th> <th data-bbox="922 629 1401 674">Purpose</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 603 887">Gray Scale</td> <td data-bbox="603 674 922 887">  </td> <td data-bbox="922 674 1401 887">To check the laser scanner unit engine output characteristics</td> </tr> <tr> <td data-bbox="336 887 603 1099">Mono1 (Output density: 0)</td> <td data-bbox="603 887 922 1099">  </td> <td data-bbox="922 887 1401 1099">To check the drum quality</td> </tr> <tr> <td data-bbox="336 1099 603 1312">Mono4 (Output density: 70)</td> <td data-bbox="603 1099 922 1312">  </td> <td data-bbox="922 1099 1401 1312">To check the drum quality</td> </tr> <tr> <td data-bbox="336 1312 603 1518">256-Level</td> <td data-bbox="603 1312 922 1518">  </td> <td data-bbox="922 1312 1401 1518">To check resolution reproducibility in printing</td> </tr> </tbody> </table> <ol data-bbox="306 1532 900 1599" style="list-style-type: none"> 3. Press the system menu key. 4. Press the start key. A MIP-PG pattern is output. <p data-bbox="290 1635 440 1666">Completion</p> <p data-bbox="290 1668 1254 1700">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	PG pattern to be output	Purpose	Gray Scale		To check the laser scanner unit engine output characteristics	Mono1 (Output density: 0)		To check the drum quality	Mono4 (Output density: 70)		To check the drum quality	256-Level		To check resolution reproducibility in printing
Display	PG pattern to be output	Purpose														
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Mono4 (Output density: 70)		To check the drum quality														
256-Level		To check resolution reproducibility in printing														

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U091	<p data-bbox="288 241 699 271">Setting the white line correction</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1422 409">Sets the error detection threshold value for white line correction and displays the count result of abnormal pixels.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1046 477">To perform when replacing the CIS, DP main PWB or CIS roller.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 551 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 629 1399 1144"> <thead> <tr> <th data-bbox="336 629 564 680">Display</th> <th data-bbox="564 629 1399 680">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 564 725">Calculation(R)</td> <td data-bbox="564 680 1399 725">Abnormal pixel count result for color R</td> </tr> <tr> <td data-bbox="336 725 564 770">Calculation(G)</td> <td data-bbox="564 725 1399 770">Abnormal pixel count result for color G</td> </tr> <tr> <td data-bbox="336 770 564 815">Calculation(B)</td> <td data-bbox="564 770 1399 815">Abnormal pixel count result for color B</td> </tr> <tr> <td data-bbox="336 815 564 860">Threshold(R)</td> <td data-bbox="564 815 1399 860">Displaying of abnormal pixel detection threshold value for color R</td> </tr> <tr> <td data-bbox="336 860 564 904">Threshold(G)</td> <td data-bbox="564 860 1399 904">Displaying of abnormal pixel detection threshold value for color G</td> </tr> <tr> <td data-bbox="336 904 564 949">Threshold(B)</td> <td data-bbox="564 904 1399 949">Displaying of abnormal pixel detection threshold value for color B</td> </tr> <tr> <td data-bbox="336 949 564 1039">Threshold (Abnormal)</td> <td data-bbox="564 949 1399 1039">Abnormal pixel threshold value setting</td> </tr> <tr> <td data-bbox="336 1039 564 1084">Mode</td> <td data-bbox="564 1039 1399 1084">Switching between white line correction mode ON/OFF</td> </tr> <tr> <td data-bbox="336 1084 564 1144">Execute</td> <td data-bbox="564 1084 1399 1144">Holding of white reference data</td> </tr> </tbody> </table> <p data-bbox="288 1189 663 1218">Method: white line correction</p> <ol data-bbox="304 1223 1430 1803" style="list-style-type: none"> 1. Press [Execute]. 2. Press the start key. Holding of white reference data is started. 3. The count result of abnormal pixels is displayed. 4. Press the system menu key. 5. Place a gray original on the DP with the gray side down. Load paper in the cassette. The paper should be the same size as the original. 6. Press the start key. Two test pattern sheets will be printed.(1 st sheet: Approx. 60 mm black band, 2nd sheet: Blank or approx. 60 mm gray band) 7. If vertical black lines appear on the blank (or gray band) page and vertical white lines appear on the black band in the same position, clean the CIS roller and the CIS glass and then repeat white line correction. If vertical black lines or vertical white lines appear on both sheets, white line correction has been completed normally. However, the cause of the vertical lines lies in the engine, and thus the engine must be checked. 8. Press the system menu key. Mode is set to 1. 	Display	Description	Calculation(R)	Abnormal pixel count result for color R	Calculation(G)	Abnormal pixel count result for color G	Calculation(B)	Abnormal pixel count result for color B	Threshold(R)	Displaying of abnormal pixel detection threshold value for color R	Threshold(G)	Displaying of abnormal pixel detection threshold value for color G	Threshold(B)	Displaying of abnormal pixel detection threshold value for color B	Threshold (Abnormal)	Abnormal pixel threshold value setting	Mode	Switching between white line correction mode ON/OFF	Execute	Holding of white reference data
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U091	<p data-bbox="336 241 639 271">How to view test copies</p> <table border="1" data-bbox="336 284 1401 560"> <thead> <tr> <th data-bbox="336 284 528 329">blank sheet</th> <th data-bbox="528 284 716 329">black band</th> <th data-bbox="716 284 1021 329">Causes</th> <th data-bbox="1021 284 1401 329">Corrective measures</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 329 528 374">No lines</td> <td data-bbox="528 329 716 374">No lines</td> <td data-bbox="716 329 1021 374">-</td> <td data-bbox="1021 329 1401 374">Complete</td> </tr> <tr> <td data-bbox="336 374 528 463">Black lines</td> <td data-bbox="528 374 716 463">White lines</td> <td data-bbox="716 374 1021 463">Dirty CIS roller or CIS glass</td> <td data-bbox="1021 374 1401 463">Clean CIS roller or CIS glass and then perform U091 again</td> </tr> <tr> <td data-bbox="336 463 528 508">Black lines</td> <td data-bbox="528 463 716 508">No lines</td> <td data-bbox="716 463 1021 508">Engine side</td> <td data-bbox="1021 463 1401 508">U091 ends, check engine</td> </tr> <tr> <td data-bbox="336 508 528 560">No lines</td> <td data-bbox="528 508 716 560">White lines</td> <td data-bbox="716 508 1021 560">Engine side</td> <td data-bbox="1021 508 1401 560">U091 ends, check engine</td> </tr> </tbody> </table> <p data-bbox="288 607 699 636">Setting: Threshold value setting</p> <ol data-bbox="304 640 906 703" style="list-style-type: none"> <li data-bbox="304 640 632 669">1. Select the item to be set. <li data-bbox="304 674 906 703">2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 719 1385 1249"> <thead> <tr> <th data-bbox="336 719 564 801">Display</th> <th data-bbox="564 719 1050 801">Description</th> <th data-bbox="1050 719 1233 801">Setting range</th> <th data-bbox="1233 719 1385 801">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 801 564 884">Threshold(R)</td> <td data-bbox="564 801 1050 884">Displaying of abnormal pixel detection threshold value for color R</td> <td data-bbox="1050 801 1233 884">0 to 1023</td> <td data-bbox="1233 801 1385 884">112</td> </tr> <tr> <td data-bbox="336 884 564 967">Threshold(G)</td> <td data-bbox="564 884 1050 967">Displaying of abnormal pixel detection threshold value for color G</td> <td data-bbox="1050 884 1233 967">0 to 1023</td> <td data-bbox="1233 884 1385 967">112</td> </tr> <tr> <td data-bbox="336 967 564 1050">Threshold(B)</td> <td data-bbox="564 967 1050 1050">Displaying of abnormal pixel detection threshold value for color B</td> <td data-bbox="1050 967 1233 1050">0 to 1023</td> <td data-bbox="1233 967 1385 1050">112</td> </tr> <tr> <td data-bbox="336 1050 564 1133">Threshold (Abnormal)</td> <td data-bbox="564 1050 1050 1133">Abnormal pixel threshold value setting</td> <td data-bbox="1050 1050 1233 1133">0 to 8191</td> <td data-bbox="1233 1050 1385 1133">75</td> </tr> <tr> <td data-bbox="336 1133 564 1249">Mode</td> <td data-bbox="564 1133 1050 1249">Switching between white line correction mode ON/OFF</td> <td data-bbox="1050 1133 1233 1249">0: OFF/ 1: ON/ 2: Test mode</td> <td data-bbox="1233 1133 1385 1249">0</td> </tr> </tbody> </table> <p data-bbox="336 1308 1431 1442">* : Normally the Threshold (Com) value should not be changed from 112, the initial setting. If white lines appear even though the CIS roller and glass are not dirty, raise the set value. If fine lines in some originals disappear, lower the set value. Set within the range 50 to 200. (If set outside this range, the image may be affected.)</p> <ol data-bbox="304 1480 767 1509" style="list-style-type: none"> <li data-bbox="304 1480 767 1509">3. Press the start key. The value is set. <p data-bbox="288 1552 440 1581">Completion</p> <p data-bbox="288 1585 1254 1615">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	blank sheet	black band	Causes	Corrective measures	No lines	No lines	-	Complete	Black lines	White lines	Dirty CIS roller or CIS glass	Clean CIS roller or CIS glass and then perform U091 again	Black lines	No lines	Engine side	U091 ends, check engine	No lines	White lines	Engine side	U091 ends, check engine	Display	Description	Setting range	Initial setting	Threshold(R)	Displaying of abnormal pixel detection threshold value for color R	0 to 1023	112	Threshold(G)	Displaying of abnormal pixel detection threshold value for color G	0 to 1023	112	Threshold(B)	Displaying of abnormal pixel detection threshold value for color B	0 to 1023	112	Threshold (Abnormal)	Abnormal pixel threshold value setting	0 to 8191	75	Mode	Switching between white line correction mode ON/OFF	0: OFF/ 1: ON/ 2: Test mode	0
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U099	<p data-bbox="288 241 703 275">Adjusting original size detection</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1331 374">Checks the operation of the original size detection and sets the sensing threshold value.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1425 479">Modify the threshold of detection if documents are frequently mal-detected in size after scanning a wholly dark document or a document enclosed with dark objects on edges.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="308 553 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1399 857"> <thead> <tr> <th data-bbox="336 631 504 676">Display</th> <th data-bbox="504 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 504 721">Data1</td> <td data-bbox="504 676 1399 721">Displays the width of an Original Area colored original document</td> </tr> <tr> <td data-bbox="336 721 504 766">B/W Level1</td> <td data-bbox="504 721 1399 766">Setting original size detection threshold value</td> </tr> <tr> <td data-bbox="336 766 504 857">Data2</td> <td data-bbox="504 766 1399 857">Displays the width of an Original Area colored original document (when DP is installed)</td> </tr> </tbody> </table> <p data-bbox="288 871 572 900">Method: [Data1/Data2]</p> <ol data-bbox="308 904 1425 1037" style="list-style-type: none"> 1. Place the original and close the DP. 2. The light source illuminates and the CCD sensor determines the width of the document. The original size sensor determines the document is vertical or horizontal. (The document is detected two times.) <table border="1" data-bbox="336 1052 1399 1373"> <thead> <tr> <th data-bbox="336 1052 641 1097">Display</th> <th data-bbox="641 1052 1399 1097">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1097 641 1142">Original Area R</td> <td data-bbox="641 1097 1399 1142">Detected original width size for color R</td> </tr> <tr> <td data-bbox="336 1142 641 1187">Original Area G</td> <td data-bbox="641 1142 1399 1187">Detected original width size for color G</td> </tr> <tr> <td data-bbox="336 1187 641 1232">Original Area B</td> <td data-bbox="641 1187 1399 1232">Detected original width size for color B</td> </tr> <tr> <td data-bbox="336 1232 641 1276">Original Area</td> <td data-bbox="641 1232 1399 1276">Detected original width size</td> </tr> <tr> <td data-bbox="336 1276 641 1373">Size SW L</td> <td data-bbox="641 1276 1399 1373">Displays the original size sensor (OSS) ON/OFF (Sensor OFF/ ON: 0/ 1)</td> </tr> </tbody> </table> <p data-bbox="288 1386 560 1415">Setting: [B/W Level1]</p> <ol data-bbox="308 1420 624 1449" style="list-style-type: none"> 1. Select an item to be set. <p data-bbox="288 1453 1015 1482">Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1498 1399 2011"> <thead> <tr> <th data-bbox="336 1498 520 1576">Display</th> <th data-bbox="520 1498 1126 1576">Description</th> <th data-bbox="1126 1498 1262 1576">Setting range</th> <th data-bbox="1262 1498 1399 1576">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1576 520 1621">Original R1</td> <td data-bbox="520 1576 1126 1621">Original threshold value for color R (near side)</td> <td data-bbox="1126 1576 1262 1621">0 to 255</td> <td data-bbox="1262 1576 1399 1621">50</td> </tr> <tr> <td data-bbox="336 1621 520 1666">Original R2</td> <td data-bbox="520 1621 1126 1666">Original threshold value for color R (center)</td> <td data-bbox="1126 1621 1262 1666">0 to 255</td> <td data-bbox="1262 1621 1399 1666">50</td> </tr> <tr> <td data-bbox="336 1666 520 1711">Original R3</td> <td data-bbox="520 1666 1126 1711">Original threshold value for color R (far side)</td> <td data-bbox="1126 1666 1262 1711">0 to 255</td> <td data-bbox="1262 1666 1399 1711">50</td> </tr> <tr> <td data-bbox="336 1711 520 1756">Original G1</td> <td data-bbox="520 1711 1126 1756">Original threshold value for color G (near side)</td> <td data-bbox="1126 1711 1262 1756">0 to 255</td> <td data-bbox="1262 1711 1399 1756">50</td> </tr> <tr> <td data-bbox="336 1756 520 1800">Original G2</td> <td data-bbox="520 1756 1126 1800">Original threshold value for color G (center)</td> <td data-bbox="1126 1756 1262 1800">0 to 255</td> <td data-bbox="1262 1756 1399 1800">50</td> </tr> <tr> <td data-bbox="336 1800 520 1845">Original G3</td> <td data-bbox="520 1800 1126 1845">Original threshold value for color G (far side)</td> <td data-bbox="1126 1800 1262 1845">0 to 255</td> <td data-bbox="1262 1800 1399 1845">50</td> </tr> <tr> <td data-bbox="336 1845 520 1890">Original B1</td> <td data-bbox="520 1845 1126 1890">Original threshold value for color B (near side)</td> <td data-bbox="1126 1845 1262 1890">0 to 255</td> <td data-bbox="1262 1845 1399 1890">50</td> </tr> <tr> <td data-bbox="336 1890 520 1935">Original B2</td> <td data-bbox="520 1890 1126 1935">Original threshold value for color B (center)</td> <td data-bbox="1126 1890 1262 1935">0 to 255</td> <td data-bbox="1262 1890 1399 1935">50</td> </tr> <tr> <td data-bbox="336 1935 520 2011">Original B3</td> <td data-bbox="520 1935 1126 2011">Original threshold value for color B (far side)</td> <td data-bbox="1126 1935 1262 2011">0 to 255</td> <td data-bbox="1262 1935 1399 2011">50</td> </tr> </tbody> </table>	Display	Description	Data1	Displays the width of an Original Area colored original document	B/W Level1	Setting original size detection threshold value	Data2	Displays the width of an Original Area colored original document (when DP is installed)	Display	Description	Original Area R	Detected original width size for color R	Original Area G	Detected original width size for color G	Original Area B	Detected original width size for color B	Original Area	Detected original width size	Size SW L	Displays the original size sensor (OSS) ON/OFF (Sensor OFF/ ON: 0/ 1)	Display	Description	Setting range	Initial setting	Original R1	Original threshold value for color R (near side)	0 to 255	50	Original R2	Original threshold value for color R (center)	0 to 255	50	Original R3	Original threshold value for color R (far side)	0 to 255	50	Original G1	Original threshold value for color G (near side)	0 to 255	50	Original G2	Original threshold value for color G (center)	0 to 255	50	Original G3	Original threshold value for color G (far side)	0 to 255	50	Original B1	Original threshold value for color B (near side)	0 to 255	50	Original B2	Original threshold value for color B (center)	0 to 255	50	Original B3	Original threshold value for color B (far side)	0 to 255	50
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Original B2	Original threshold value for color B (center)	0 to 255	50																																																										
Original B3	Original threshold value for color B (far side)	0 to 255	50																																																										

Item No.	Description																
<p>U099</p>	<p>2. Reducing the value increases the sensitivity of the sensor allowing a document with more density to be detected, however, the document mat could be detected as an original document. If the values vary excessively, mal-detection could occur depending on how a document is placed.</p>  <table border="1" data-bbox="874 535 1374 739"> <thead> <tr> <th>Fig.</th> <th>Original R/G/B</th> <th colspan="2">Original width size range</th> </tr> </thead> <tbody> <tr> <td>①</td> <td>1</td> <td>A4R to A3</td> <td>8.5" to 11"</td> </tr> <tr> <td>②</td> <td>2</td> <td>B6R to A4R</td> <td>5.5" to 8.5"</td> </tr> <tr> <td>③</td> <td>3</td> <td>to B6R</td> <td>to 5.5"</td> </tr> </tbody> </table> <p style="text-align: center;">Figure 1-3-17</p> <p>3. Press the start key. The value is set.</p> <p>Completion Press the stop key. The screen for maintenance item No. is displayed.</p>	Fig.	Original R/G/B	Original width size range		①	1	A4R to A3	8.5" to 11"	②	2	B6R to A4R	5.5" to 8.5"	③	3	to B6R	to 5.5"
Fig.	Original R/G/B	Original width size range															
①	1	A4R to A3	8.5" to 11"														
②	2	B6R to A4R	5.5" to 8.5"														
③	3	to B6R	to 5.5"														

Item No.	Description																																		
U100	<p data-bbox="288 241 651 275">Adjusting main high voltage</p> <p data-bbox="288 311 440 340">Description Controls the charger roller voltage to optimize the surface potential.</p> <p data-bbox="288 380 400 409">Purpose To change the setting value to adjust the image if an image failure (background blur, etc.) occurs.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 791 584" style="list-style-type: none"> 1. Press the start key. 2. Select an item and press the start key. <table border="1" data-bbox="336 598 1401 981"> <thead> <tr> <th data-bbox="336 598 639 642">Display</th> <th data-bbox="639 598 1401 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 642 639 687">Adj AC Bias</td> <td data-bbox="639 642 1401 687">Main charger AC bias</td> </tr> <tr> <td data-bbox="336 687 639 732">Set AC Auto Adj</td> <td data-bbox="639 687 1401 732">Setting the AC bias auto adjustment</td> </tr> <tr> <td data-bbox="336 732 639 777">Set DC Bias</td> <td data-bbox="639 732 1401 777">Main charger DC bias</td> </tr> <tr> <td data-bbox="336 777 639 822">Adj DC Bias</td> <td data-bbox="639 777 1401 822">Additional surface potential</td> </tr> <tr> <td data-bbox="336 822 639 866">Set Low Temp</td> <td data-bbox="639 822 1401 866">Pre-charge time at power supply ON</td> </tr> <tr> <td data-bbox="336 866 639 911">Set Charger Freq</td> <td data-bbox="639 866 1401 911">Setting the main charger frequency</td> </tr> <tr> <td data-bbox="336 911 639 981">Chk Current</td> <td data-bbox="639 911 1401 981">Rush current display</td> </tr> </tbody> </table> <p data-bbox="288 1021 571 1050">Setting: [Adj AC Bias]</p> <ol data-bbox="304 1055 1350 1158" style="list-style-type: none"> 1. Change the value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker. The values set vary depending on environments. <table border="1" data-bbox="336 1171 1401 1267"> <thead> <tr> <th data-bbox="336 1171 603 1216">Display</th> <th data-bbox="603 1171 1171 1216">Description</th> <th data-bbox="1171 1171 1401 1216">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1216 603 1267">AC Bias(K)</td> <td data-bbox="603 1216 1171 1267">Main charger AC bias</td> <td data-bbox="1171 1216 1401 1267">0 to 255</td> </tr> </tbody> </table> <ol data-bbox="304 1279 767 1308" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1348 624 1377">Setting: [Set AC Auto Adj]</p> <ol data-bbox="304 1382 536 1411" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="336 1424 1401 1570"> <thead> <tr> <th data-bbox="336 1424 639 1469">Display</th> <th data-bbox="639 1424 1401 1469">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1469 639 1514">On</td> <td data-bbox="639 1469 1401 1514">Turns auto adjustment ON</td> </tr> <tr> <td data-bbox="336 1514 639 1570">Off</td> <td data-bbox="639 1514 1401 1570">Turns auto adjustment OFF</td> </tr> </tbody> </table> <p data-bbox="336 1581 536 1610">Initial setting: On</p> <ol data-bbox="304 1615 783 1644" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1684 616 1713">Displaying: [Set DC Bias]</p> <ol data-bbox="304 1718 715 1747" style="list-style-type: none"> 1. The current setting is displayed. <table border="1" data-bbox="336 1760 1401 1906"> <thead> <tr> <th data-bbox="336 1760 639 1805">Display</th> <th data-bbox="639 1760 1401 1805">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1805 639 1850">DC1 Bias(K)</td> <td data-bbox="639 1805 1401 1850">Main charger DC bias (full speed)</td> </tr> <tr> <td data-bbox="336 1850 639 1906">DC1 Bias Half(K)</td> <td data-bbox="639 1850 1401 1906">Main charger DC bias (half speed)</td> </tr> </tbody> </table>	Display	Description	Adj AC Bias	Main charger AC bias	Set AC Auto Adj	Setting the AC bias auto adjustment	Set DC Bias	Main charger DC bias	Adj DC Bias	Additional surface potential	Set Low Temp	Pre-charge time at power supply ON	Set Charger Freq	Setting the main charger frequency	Chk Current	Rush current display	Display	Description	Setting range	AC Bias(K)	Main charger AC bias	0 to 255	Display	Description	On	Turns auto adjustment ON	Off	Turns auto adjustment OFF	Display	Description	DC1 Bias(K)	Main charger DC bias (full speed)	DC1 Bias Half(K)	Main charger DC bias (half speed)
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U106	<p data-bbox="288 241 871 271">Setting the voltage for the secondary transfer</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1257 374">Sets the control voltage for the secondary transfer depending on each paper type.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1262 443">To change the setting when any density problems, such as too dark or light, occur.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="308 517 632 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1399 1070"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 725">Light/Normal1</td> <td data-bbox="639 640 1399 725">Control voltage for the transfer bias on paper with thickness 52 g/m² to 64 g/m² and 65 g/m² to 75 g/m²</td> </tr> <tr> <td data-bbox="336 725 639 810">Normal2/3</td> <td data-bbox="639 725 1399 810">Control voltage for the transfer bias on paper with thickness 76 g/m² to 105 g/m²</td> </tr> <tr> <td data-bbox="336 810 639 896">Heavy1-3</td> <td data-bbox="639 810 1399 896">Control voltage for the transfer bias on paper with thickness 106 g/m² to 220 g/m²</td> </tr> <tr> <td data-bbox="336 896 639 981">Heavy4/5</td> <td data-bbox="639 896 1399 981">Control voltage for the transfer bias on paper with thickness 221 g/m² to 300 g/m²</td> </tr> <tr> <td data-bbox="336 981 639 1025">OHP</td> <td data-bbox="639 981 1399 1025">Control voltage for the transfer bias for transparencies</td> </tr> <tr> <td data-bbox="336 1025 639 1070">Bias</td> <td data-bbox="639 1025 1399 1070">Transfer bias value</td> </tr> </tbody> </table> <p data-bbox="288 1111 596 1140">Setting: [Light/Normal1]</p> <ol data-bbox="308 1144 632 1173" style="list-style-type: none"> 1. 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Change the value using the +/- or numeric keys. <p data-bbox="336 1411 387 1440">[1st]</p> <table border="1" data-bbox="336 1453 1399 1693"> <thead> <tr> <th data-bbox="336 1453 533 1538" rowspan="2">Display</th> <th data-bbox="533 1453 943 1538" rowspan="2">Description</th> <th data-bbox="943 1453 1126 1538" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1453 1399 1498">Initial setting</th> </tr> <tr> <th data-bbox="1126 1498 1262 1538">65 ppm</th> <th data-bbox="1262 1498 1399 1538">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1538 533 1583">Width=105</td> <td data-bbox="533 1538 943 1583">105 mm wide</td> <td data-bbox="943 1538 1126 1583">0 to 255</td> <td data-bbox="1126 1538 1262 1583">152</td> <td data-bbox="1262 1538 1399 1583">162</td> </tr> <tr> <td data-bbox="336 1583 533 1628">Width=210</td> <td data-bbox="533 1583 943 1628">210 mm wide</td> <td data-bbox="943 1583 1126 1628">0 to 255</td> <td data-bbox="1126 1583 1262 1628">147</td> <td data-bbox="1262 1583 1399 1628">159</td> </tr> <tr> <td data-bbox="336 1628 533 1693">Width=297</td> <td data-bbox="533 1628 943 1693">297 mm wide</td> <td data-bbox="943 1628 1126 1693">0 to 255</td> <td data-bbox="1126 1628 1262 1693">141</td> <td data-bbox="1262 1628 1399 1693">151</td> </tr> </tbody> </table> <p data-bbox="336 1704 387 1733">[2nd]</p> <table border="1" data-bbox="336 1747 1399 1986"> <thead> <tr> <th data-bbox="336 1747 533 1832" rowspan="2">Display</th> <th data-bbox="533 1747 943 1832" rowspan="2">Description</th> <th data-bbox="943 1747 1126 1832" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1747 1399 1792">Initial setting</th> </tr> <tr> <th data-bbox="1126 1792 1262 1832">65 ppm</th> <th data-bbox="1262 1792 1399 1832">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1832 533 1877">Width=105</td> <td data-bbox="533 1832 943 1877">105 mm wide</td> <td data-bbox="943 1832 1126 1877">0 to 255</td> <td data-bbox="1126 1832 1262 1877">141</td> <td data-bbox="1262 1832 1399 1877">153</td> </tr> <tr> <td data-bbox="336 1877 533 1921">Width=210</td> <td data-bbox="533 1877 943 1921">210 mm wide</td> <td data-bbox="943 1877 1126 1921">0 to 255</td> <td data-bbox="1126 1877 1262 1921">135</td> <td data-bbox="1262 1877 1399 1921">144</td> </tr> <tr> <td data-bbox="336 1921 533 1986">Width=297</td> <td data-bbox="533 1921 943 1986">297 mm wide</td> <td data-bbox="943 1921 1126 1986">0 to 255</td> <td data-bbox="1126 1921 1262 1986">125</td> <td data-bbox="1262 1921 1399 1986">132</td> </tr> </tbody> </table> <ol data-bbox="308 1995 767 2024" style="list-style-type: none"> 4. Press the start key. The value is set. 	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U106	<p data-bbox="288 241 544 271">Setting: [Normal2/3]</p> <p data-bbox="288 277 632 306">1. Select the item to be set.</p> <table border="1" data-bbox="336 318 1401 463"> <thead> <tr> <th data-bbox="336 318 564 362">Display</th> <th data-bbox="564 318 1401 362">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 362 564 407">1st</td> <td data-bbox="564 362 1401 407">Control voltage for the transfer bias for the first side (full speed)</td> </tr> <tr> <td data-bbox="336 407 564 463">2nd</td> <td data-bbox="564 407 1401 463">Control voltage for the transfer bias for the second side (full speed)</td> </tr> </tbody> </table> <p data-bbox="288 474 719 504">2. Select the paper width to be set.</p> <p data-bbox="333 510 906 539">Change the value using the +/- or numeric keys.</p> <p data-bbox="333 546 389 575">[1st]</p> <table border="1" data-bbox="336 586 1401 826"> <thead> <tr> <th data-bbox="336 586 536 680" rowspan="2">Display</th> <th data-bbox="536 586 946 680" rowspan="2">Description</th> <th data-bbox="946 586 1126 680" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 586 1401 631">Initial setting</th> </tr> <tr> <th data-bbox="1126 631 1262 680">65 ppm</th> <th data-bbox="1262 631 1401 680">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 536 725">Width=105</td> <td data-bbox="536 680 946 725">105 mm wide</td> <td data-bbox="946 680 1126 725">0 to 255</td> <td data-bbox="1126 680 1262 725">152</td> <td data-bbox="1262 680 1401 725">162</td> </tr> <tr> <td data-bbox="336 725 536 770">Width=210</td> <td data-bbox="536 725 946 770">210 mm wide</td> <td data-bbox="946 725 1126 770">0 to 255</td> <td data-bbox="1126 725 1262 770">147</td> <td data-bbox="1262 725 1401 770">159</td> </tr> <tr> <td data-bbox="336 770 536 826">Width=297</td> <td data-bbox="536 770 946 826">297 mm wide</td> <td data-bbox="946 770 1126 826">0 to 255</td> <td data-bbox="1126 770 1262 826">141</td> <td data-bbox="1262 770 1401 826">151</td> </tr> </tbody> </table> <p data-bbox="333 837 397 866">[2nd]</p> <table border="1" data-bbox="336 878 1401 1120"> <thead> <tr> <th data-bbox="336 878 536 972" rowspan="2">Display</th> <th data-bbox="536 878 946 972" rowspan="2">Description</th> <th data-bbox="946 878 1126 972" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 878 1401 922">Initial setting</th> </tr> <tr> <th data-bbox="1126 922 1262 972">65 ppm</th> <th data-bbox="1262 922 1401 972">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 972 536 1016">Width=105</td> <td data-bbox="536 972 946 1016">105 mm wide</td> <td data-bbox="946 972 1126 1016">0 to 255</td> <td data-bbox="1126 972 1262 1016">141</td> <td data-bbox="1262 972 1401 1016">153</td> </tr> <tr> <td data-bbox="336 1016 536 1061">Width=210</td> <td data-bbox="536 1016 946 1061">210 mm wide</td> <td data-bbox="946 1016 1126 1061">0 to 255</td> <td data-bbox="1126 1016 1262 1061">135</td> <td data-bbox="1262 1016 1401 1061">144</td> </tr> <tr> <td data-bbox="336 1061 536 1120">Width=297</td> <td data-bbox="536 1061 946 1120">297 mm wide</td> <td data-bbox="946 1061 1126 1120">0 to 255</td> <td data-bbox="1126 1061 1262 1120">125</td> <td data-bbox="1262 1061 1401 1120">132</td> </tr> </tbody> </table> <p data-bbox="288 1131 767 1160">3. Press the start key. The value is set.</p> <p data-bbox="288 1200 536 1229">Setting: [Heavy1-3]</p> <p data-bbox="288 1236 632 1265">1. Select the item to be set.</p> <table border="1" data-bbox="336 1276 1401 1422"> <thead> <tr> <th data-bbox="336 1276 564 1321">Display</th> <th data-bbox="564 1276 1401 1321">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1321 564 1366">1st Half</td> <td data-bbox="564 1321 1401 1366">Control voltage for the transfer bias for the first side (half speed)</td> </tr> <tr> <td data-bbox="336 1366 564 1422">2nd Half</td> <td data-bbox="564 1366 1401 1422">Control voltage for the transfer bias for the second side (half speed)</td> </tr> </tbody> </table> <p data-bbox="288 1433 719 1462">2. Select the paper width to be set.</p> <p data-bbox="288 1469 914 1498">3. Change the value using the +/- or numeric keys.</p> <p data-bbox="333 1505 445 1534">[1st Half]</p> <table border="1" data-bbox="336 1545 1401 1785"> <thead> <tr> <th data-bbox="336 1545 536 1639" rowspan="2">Display</th> <th data-bbox="536 1545 946 1639" rowspan="2">Description</th> <th data-bbox="946 1545 1126 1639" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1545 1401 1590">Initial setting</th> </tr> <tr> <th data-bbox="1126 1590 1262 1639">65 ppm</th> <th data-bbox="1262 1590 1401 1639">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1639 536 1684">Width=105</td> <td data-bbox="536 1639 946 1684">105 mm wide</td> <td data-bbox="946 1639 1126 1684">0 to 255</td> <td data-bbox="1126 1639 1262 1684">121</td> <td data-bbox="1262 1639 1401 1684">126</td> </tr> <tr> <td data-bbox="336 1684 536 1729">Width=210</td> <td data-bbox="536 1684 946 1729">210 mm wide</td> <td data-bbox="946 1684 1126 1729">0 to 255</td> <td data-bbox="1126 1684 1262 1729">121</td> <td data-bbox="1262 1684 1401 1729">126</td> </tr> <tr> <td data-bbox="336 1729 536 1785">Width=297</td> <td data-bbox="536 1729 946 1785">297 mm wide</td> <td data-bbox="946 1729 1126 1785">0 to 255</td> <td data-bbox="1126 1729 1262 1785">118</td> <td data-bbox="1262 1729 1401 1785">122</td> </tr> </tbody> </table>	Display	Description	1st	Control voltage for the transfer bias for the first side (full speed)	2nd	Control voltage for the transfer bias for the second side (full speed)	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Width=105	105 mm wide	0 to 255	152	162	Width=210	210 mm wide	0 to 255	147	159	Width=297	297 mm wide	0 to 255	141	151	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Width=105	105 mm wide	0 to 255	141	153	Width=210	210 mm wide	0 to 255	135	144	Width=297	297 mm wide	0 to 255	125	132	Display	Description	1st Half	Control voltage for the transfer bias for the first side (half speed)	2nd Half	Control voltage for the transfer bias for the second side (half speed)	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Width=105	105 mm wide	0 to 255	121	126	Width=210	210 mm wide	0 to 255	121	126	Width=297	297 mm wide	0 to 255	118	122
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Item No.	Description						
U106	[2nd Half]						
	Display		Description		Setting range	Initial setting	
						65 ppm	80 ppm
	Width=105		105 mm wide		0 to 255	115	119
	Width=210		210 mm wide		0 to 255	115	119
	Width=297		297 mm wide		0 to 255	105	107
	4. Press the start key. The value is set.						
	Setting: [Heavy4/5]						
	1. Select the item to be set.						
	Display		Description				
	1st Half		Control voltage for the transfer bias for the first side (half speed)				
	2nd Half		Control voltage for the transfer bias for the second side (half speed)				
	2. Select the paper width to be set.						
	3. Change the value using the +/- or numeric keys.						
	[1st Half]						
Display		Description		Setting range	Initial setting		
					65 ppm	80 ppm	
Width=105		105 mm wide		0 to 255	118	122	
Width=210		210 mm wide		0 to 255	118	122	
Width=297		297 mm wide		0 to 255	110	112	
[2nd Half]							
Display		Description		Setting range	Initial setting		
					65 ppm	80 ppm	
Width=105		105 mm wide		0 to 255	114	117	
Width=210		210 mm wide		0 to 255	114	117	
Width=297		297 mm wide		0 to 255	105	106	
4. Press the start key. The value is set.							
Setting: [OHP]							
1. Select the item to be set.							
2. Change the value using the +/- or numeric keys.							
Display		Description		Setting range	Initial setting		
					65 ppm	80 ppm	
Width=105		105 mm wide		0 to 255	107	110	
Width=210		210 mm wide		0 to 255	107	110	
Width=297		297 mm wide		0 to 255	101	103	
3. Press the start key. The value is set.							

Item No.	Description																											
U106	<p data-bbox="288 241 475 271">Setting: [Bias]</p> <ol data-bbox="304 277 906 338" style="list-style-type: none"> <li data-bbox="304 277 632 306">1. Select the item to be set. <li data-bbox="304 311 906 338">2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 353 1401 779"> <thead> <tr> <th data-bbox="336 353 534 450" rowspan="2">Display</th> <th data-bbox="534 353 944 450" rowspan="2">Description</th> <th data-bbox="944 353 1126 450" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 353 1401 398">Initial setting</th> </tr> <tr> <th data-bbox="1126 398 1262 450">65 ppm</th> <th data-bbox="1262 398 1401 450">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 450 534 533">Reverse</td> <td data-bbox="534 450 944 533">Transfer reverse bias (full speed)</td> <td data-bbox="944 450 1126 533">0 to 255</td> <td data-bbox="1126 450 1262 533">164</td> <td data-bbox="1262 450 1401 533">164</td> </tr> <tr> <td data-bbox="336 533 534 616">Reverse Half</td> <td data-bbox="534 533 944 616">Transfer reverse bias (half speed)</td> <td data-bbox="944 533 1126 616">0 to 255</td> <td data-bbox="1126 533 1262 616">164</td> <td data-bbox="1262 533 1401 616">164</td> </tr> <tr> <td data-bbox="336 616 534 698">Cleaning</td> <td data-bbox="534 616 944 698">Cleaning control value (full speed)</td> <td data-bbox="944 616 1126 698">0 to 255</td> <td data-bbox="1126 616 1262 698">123</td> <td data-bbox="1262 616 1401 698">131</td> </tr> <tr> <td data-bbox="336 698 534 779">Cleaning Half</td> <td data-bbox="534 698 944 779">Cleaning control value (half speed)</td> <td data-bbox="944 698 1126 779">0 to 255</td> <td data-bbox="1126 698 1262 779">108</td> <td data-bbox="1262 698 1401 779">112</td> </tr> </tbody> </table> <ol data-bbox="304 792 767 822" style="list-style-type: none"> <li data-bbox="304 792 767 822">3. Press the start key. The value is set. <p data-bbox="288 862 448 891">Supplement</p> <p data-bbox="288 898 1417 958">While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p data-bbox="288 1001 440 1030">Completion</p> <p data-bbox="288 1037 1254 1066">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Reverse	Transfer reverse bias (full speed)	0 to 255	164	164	Reverse Half	Transfer reverse bias (half speed)	0 to 255	164	164	Cleaning	Cleaning control value (full speed)	0 to 255	123	131	Cleaning Half	Cleaning control value (half speed)	0 to 255	108	112
Display	Description				Setting range	Initial setting																						
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Cleaning Half	Cleaning control value (half speed)	0 to 255	108	112																								

Item No.	Description				
U110	<p>Checking the drum count</p> <p>Description Displays the drum counts for checking.</p> <p>Purpose To check the drum status.</p> <p>Method 1. Press the start key. The current drum counts is displayed.</p> <table border="1" data-bbox="336 562 1401 658"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 658">K</td> <td data-bbox="639 607 1401 658">Drum count value</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Drum count value
Display	Description				
K	Drum count value				
U111	<p>Checking the drum drive time</p> <p>Description Displays the drum drive time for checking a figure, which is used as a reference when correcting the high voltage based on time.</p> <p>Purpose To check the drum status.</p> <p>Method 1. Press the start key. The drum drive time is displayed.</p> <table border="1" data-bbox="336 1140 1401 1236"> <thead> <tr> <th data-bbox="336 1140 639 1184">Display</th> <th data-bbox="639 1140 1401 1184">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1184 639 1236">K</td> <td data-bbox="639 1184 1401 1236">Drum drive time</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Drum drive time
Display	Description				
K	Drum drive time				
U117	<p>Checking the drum number</p> <p>Description Displays the drum number.</p> <p>Purpose To check the drum number.</p> <p>Method 1. Press the start key. The drum number is displayed.</p> <table border="1" data-bbox="336 1682 1401 1778"> <thead> <tr> <th data-bbox="336 1682 639 1727">Display</th> <th data-bbox="639 1682 1401 1727">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1727 639 1778">K</td> <td data-bbox="639 1727 1401 1778">Drum number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Drum number
Display	Description				
K	Drum number				

Item No.	Description										
U118	<p>Displaying the drum history</p> <p>Description Displays the past record of machine number and the drum counter.</p> <p>Purpose To check the count value of machine number and the drum counter.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [K]. <table border="1" data-bbox="336 598 1401 694"> <thead> <tr> <th data-bbox="336 598 639 642">Display</th> <th data-bbox="639 598 1401 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 642 639 694">K</td> <td data-bbox="639 642 1401 694">Drum past record</td> </tr> </tbody> </table> <p>The history of a machine number and a drum counter for each color is displayed by three cases.</p> <table border="1" data-bbox="336 781 1401 925"> <thead> <tr> <th data-bbox="336 781 639 826">Display</th> <th data-bbox="639 781 1401 826">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 826 639 873">Machine History1 - 3</td> <td data-bbox="639 826 1401 873">Historical records of the machine number</td> </tr> <tr> <td data-bbox="336 873 639 925">Cnt History1 - 3</td> <td data-bbox="639 873 1401 925">Historical records of drum counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Drum past record	Display	Description	Machine History1 - 3	Historical records of the machine number	Cnt History1 - 3	Historical records of drum counter
Display	Description										
K	Drum past record										
Display	Description										
Machine History1 - 3	Historical records of the machine number										
Cnt History1 - 3	Historical records of drum counter										
U119	<p>Setting the drum</p> <p>Description Sets drum sensitivity.</p> <p>Purpose To set the drum after replacing the drum unit or laser scanner unit. When completed, perform maintenance mode U464, Calibration. * : The U930 charging roller counter is cleared after execution.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. Drum setup is commenced. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 										

Item No.	Description																	
U127	<p>Checking/clearing the transfer count</p> <p>Description Displays and clears the counts of the transfer counter.</p> <p>Purpose To check the count or drive time after replacement of the transfer belt unit. Also to clear the counts after replacing transfer belt unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current counts of the transfer counter is displayed. <table border="1" data-bbox="336 595 1401 788"> <thead> <tr> <th data-bbox="336 595 641 645">Display</th> <th data-bbox="641 595 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 641 689">Belt(Cnt)</td> <td data-bbox="641 645 1401 689">Transfer belt unit count value</td> </tr> <tr> <td data-bbox="336 689 641 734">Belt(Time)</td> <td data-bbox="641 689 1401 734">Transfer belt unit drive time</td> </tr> <tr> <td data-bbox="336 734 641 788">Clear</td> <td data-bbox="641 734 1401 788">All transfer count clear</td> </tr> </tbody> </table> <p>Clearing</p> <ol style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The counter value is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Belt(Cnt)	Transfer belt unit count value	Belt(Time)	Transfer belt unit drive time	Clear	All transfer count clear									
Display	Description																	
Belt(Cnt)	Transfer belt unit count value																	
Belt(Time)	Transfer belt unit drive time																	
Clear	All transfer count clear																	
U128	<p>Setting transfer high-voltage timing</p> <p>Description Adjusts the ON/OFF timing of transfer high-voltage output.</p> <p>Purpose Basically, the setting need not be changed. If any problem such as faulty images or dirt on the back surface occurs, change the setting.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. 3. Change the value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1491 1385 1753"> <thead> <tr> <th data-bbox="336 1491 536 1585" rowspan="2">Display</th> <th data-bbox="536 1491 946 1585" rowspan="2">Description</th> <th data-bbox="946 1491 1110 1585" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1110 1491 1385 1541">Initial setting</th> </tr> <tr> <th data-bbox="1110 1541 1249 1585">65 ppm</th> <th data-bbox="1249 1541 1385 1585">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1585 536 1671">On Timing 1st</td> <td data-bbox="536 1585 946 1671">Transfer ON timing adjustment value (first side)</td> <td data-bbox="946 1585 1110 1671">-200 to 200</td> <td data-bbox="1110 1585 1249 1671">-13</td> <td data-bbox="1249 1585 1385 1671">-10</td> </tr> <tr> <td data-bbox="336 1671 536 1753">Off Timing</td> <td data-bbox="536 1671 946 1753">Transfer OFF timing adjustment value</td> <td data-bbox="946 1671 1110 1753">-200 to 200</td> <td data-bbox="1110 1671 1249 1753">-20</td> <td data-bbox="1249 1671 1385 1753">-21</td> </tr> </tbody> </table> <p>* : Increasing the value will deteriorate paper separation as it delays transfer-off timing. * : Decreasing the value will improve paper separation as it advances transfer-off timing (widening the transfer margins at the trailing edge of paper at ejection).</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	On Timing 1st	Transfer ON timing adjustment value (first side)	-200 to 200	-13	-10	Off Timing	Transfer OFF timing adjustment value	-200 to 200	-20	-21
Display	Description				Setting range	Initial setting												
		65 ppm	80 ppm															
On Timing 1st	Transfer ON timing adjustment value (first side)	-200 to 200	-13	-10														
Off Timing	Transfer OFF timing adjustment value	-200 to 200	-20	-21														

Item No.	Description						
U130	<p data-bbox="287 241 683 275">Initial setting for the developer</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 1426 412">The toner sensor control bias is adjusted so that the sensor output is set as the target value with the initial developer.</p> <p data-bbox="287 414 400 448">Purpose</p> <p data-bbox="287 450 1382 483">Automatically executed when the developer unit loaded with the initial developer is replaced.</p> <p data-bbox="287 517 387 551">Method</p> <ol data-bbox="304 553 564 651" style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. <p data-bbox="336 654 1294 687">Toner installation is started and the control value of the toner sensor is displayed.</p> <table border="1" data-bbox="336 698 1399 844"> <thead> <tr> <th data-bbox="336 698 641 743">Display</th> <th data-bbox="641 698 1399 743">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 743 641 788">K</td> <td data-bbox="641 743 1399 788">Toner sensor control voltage</td> </tr> <tr> <td data-bbox="336 788 641 844">Execute</td> <td data-bbox="641 788 1399 844">Execute</td> </tr> </tbody> </table> <p data-bbox="287 900 440 934">Completion</p> <p data-bbox="287 936 1254 969">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Toner sensor control voltage	Execute	Execute
Display	Description						
K	Toner sensor control voltage						
Execute	Execute						

Item No.	Description																																
U131	<p data-bbox="288 241 831 275">Adjusting the toner sensor control voltage</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 767 376">Adjusts the toner sensor control voltage.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1398 479">If control values are not correctly retrievable due to the EEPROM of the developer unit failure, etc., use manual adjustment and obtain a temporary control value.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 783 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set or displayed. <table border="1" data-bbox="336 631 1401 824"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Manual</td> <td data-bbox="639 676 1401 721">Toner sensor control voltage manual adjustment</td> </tr> <tr> <td data-bbox="336 721 639 766">Auto</td> <td data-bbox="639 721 1401 766">Toner sensor control voltage auto adjustment</td> </tr> <tr> <td data-bbox="336 766 639 824">Mode</td> <td data-bbox="639 766 1401 824">Switching the manual adjustment and auto adjustment</td> </tr> </tbody> </table> <p data-bbox="288 869 512 898">Setting: [Manual]</p> <ol data-bbox="304 902 906 934" style="list-style-type: none"> 1. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 947 1401 1090"> <thead> <tr> <th data-bbox="336 947 536 1037" rowspan="2">Display</th> <th data-bbox="536 947 959 1037" rowspan="2">Description</th> <th data-bbox="959 947 1126 1037" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 947 1401 992">Initial setting</th> </tr> <tr> <th data-bbox="1126 992 1262 1037">65 ppm</th> <th data-bbox="1262 992 1401 1037">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1037 536 1090">Control(K)</td> <td data-bbox="536 1037 959 1090">Toner sensor control voltage</td> <td data-bbox="959 1037 1126 1090">0 to 255</td> <td data-bbox="1126 1037 1262 1090">125</td> <td data-bbox="1262 1037 1401 1090">133</td> </tr> </tbody> </table> <ol data-bbox="304 1102 767 1133" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1171 523 1200">Displaying: [Auto]</p> <ol data-bbox="304 1205 715 1236" style="list-style-type: none"> 1. The current setting is displayed. <table border="1" data-bbox="336 1249 1401 1393"> <thead> <tr> <th data-bbox="336 1249 639 1294">Display</th> <th data-bbox="639 1249 1401 1294">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1294 639 1339">Default(K)</td> <td data-bbox="639 1294 1401 1339">Reference value for toner sensor control voltage</td> </tr> <tr> <td data-bbox="336 1339 639 1393">Control(K)</td> <td data-bbox="639 1339 1401 1393">Toner sensor control voltage after correction</td> </tr> </tbody> </table> <p data-bbox="288 1438 488 1467">Setting: [Mode]</p> <ol data-bbox="304 1471 632 1503" style="list-style-type: none"> 1. Select the item to be set. <table border="1" data-bbox="336 1516 1401 1659"> <thead> <tr> <th data-bbox="336 1516 639 1561">Display</th> <th data-bbox="639 1516 1401 1561">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1561 639 1606">Manual</td> <td data-bbox="639 1561 1401 1606">Toner sensor control voltage manual adjustment</td> </tr> <tr> <td data-bbox="336 1606 639 1659">Auto</td> <td data-bbox="639 1606 1401 1659">Toner sensor control voltage auto adjustment</td> </tr> </tbody> </table> <p data-bbox="336 1673 557 1704">Initial setting: Auto</p> <ol data-bbox="304 1709 767 1740" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1778 440 1807">Completion</p> <p data-bbox="288 1812 1254 1843">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Manual	Toner sensor control voltage manual adjustment	Auto	Toner sensor control voltage auto adjustment	Mode	Switching the manual adjustment and auto adjustment	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Control(K)	Toner sensor control voltage	0 to 255	125	133	Display	Description	Default(K)	Reference value for toner sensor control voltage	Control(K)	Toner sensor control voltage after correction	Display	Description	Manual	Toner sensor control voltage manual adjustment	Auto	Toner sensor control voltage auto adjustment
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Item No.	Description								
U132	<p>Replenishing toner forcibly</p> <p>Description Replenishes toner forcibly until the toner sensor output value reaches the toner feed start level.</p> <p>Purpose Used when the toner empty is detected frequently.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. Toner is replenished until the toner sensor output value reaches the toner feed start level. <table border="1" data-bbox="338 667 1401 860"> <thead> <tr> <th data-bbox="338 667 641 712">Display</th> <th data-bbox="641 667 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 712 641 757">Supply(K)</td> <td data-bbox="641 712 1401 757">Toner feed start level</td> </tr> <tr> <td data-bbox="338 757 641 801">Sensor(K)</td> <td data-bbox="641 757 1401 801">Toner sensor output value</td> </tr> <tr> <td data-bbox="338 801 641 860">Execute</td> <td data-bbox="641 801 1401 860">Execute</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Supply(K)	Toner feed start level	Sensor(K)	Toner sensor output value	Execute	Execute
Display	Description								
Supply(K)	Toner feed start level								
Sensor(K)	Toner sensor output value								
Execute	Execute								
U135	<p>Checking toner motor operation</p> <p>Description Drives toner motors.</p> <p>Purpose To check the operation of toner motors.</p> <p>Remarks When driving the toner motors long time or several times, developer section becomes the toner full and is locked.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select item. 3. Press the start key. The operation starts. <table border="1" data-bbox="338 1554 1401 1702"> <thead> <tr> <th data-bbox="338 1554 641 1599">Display</th> <th data-bbox="641 1554 1401 1599">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1599 641 1644">Toner</td> <td data-bbox="641 1599 1401 1644">Toner motor (TM) is turned on</td> </tr> <tr> <td data-bbox="338 1644 641 1702">Hopper</td> <td data-bbox="641 1644 1401 1702">Toner hopper motor (THM) is turned on</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop the operation, press the stop key. <p>Completion Press the stop key after operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Toner	Toner motor (TM) is turned on	Hopper	Toner hopper motor (THM) is turned on		
Display	Description								
Toner	Toner motor (TM) is turned on								
Hopper	Toner hopper motor (THM) is turned on								

Item No.	Description								
U136	<p data-bbox="288 241 703 271">Setting toner near end detection</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1406 412">Sets the level that indicates the number of sheets that can be printed from occurrence of toner near end to toner empty.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1430 517">To change the setting to advance detection of near end if the interval from toner near end to toner empty seems too short.</p> <p data-bbox="288 557 384 586">Setting</p> <ol data-bbox="304 591 906 658" style="list-style-type: none"> 1. Press the start key. 2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 665 1401 795"> <thead> <tr> <th data-bbox="336 665 528 748">Display</th> <th data-bbox="528 665 1098 748">Description</th> <th data-bbox="1098 665 1251 748">Setting range</th> <th data-bbox="1251 665 1401 748">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 748 528 795">K</td> <td data-bbox="528 748 1098 795">Setting the level of toner</td> <td data-bbox="1098 748 1251 795">0 to 9</td> <td data-bbox="1251 748 1401 795">3</td> </tr> </tbody> </table> <p data-bbox="336 808 1326 837">Increasing the setting makes the interval from toner near end to toner empty longer.</p> <p data-bbox="336 842 1347 871">Decreasing the setting makes the interval from toner near end to toner empty shorter.</p> <p data-bbox="336 875 879 904">If 0 is set, toner near end will not be detected.</p> <ol data-bbox="304 909 767 938" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 978 440 1008">Completion</p> <p data-bbox="288 1012 1254 1041">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	K	Setting the level of toner	0 to 9	3
Display	Description	Setting range	Initial setting						
K	Setting the level of toner	0 to 9	3						

Item No.	Description																								
U139	<p data-bbox="288 241 1075 275">Displaying the temperature and humidity outside the machine</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1110 374">Displays the detected temperature and humidity outside the machine.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1007 443">To check the temperature and humidity outside the machine.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 564 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1401 788"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Ext/Int</td> <td data-bbox="639 640 1401 685">Internal/External temperature (°C), External humidity (%)</td> </tr> <tr> <td data-bbox="336 685 639 730">LSU</td> <td data-bbox="639 685 1401 730">Internal temperature around the laser scanner unit (°C)</td> </tr> <tr> <td data-bbox="336 730 639 788">Developing</td> <td data-bbox="639 730 1401 788">Internal temperature around the developer section (°C)</td> </tr> </tbody> </table> <p data-bbox="288 835 504 864">Method: [Ext/Int]</p> <ol data-bbox="304 869 959 898" style="list-style-type: none"> 1. The current temperature and humidity are displayed. <table border="1" data-bbox="336 911 1401 1104"> <thead> <tr> <th data-bbox="336 911 639 956">Display</th> <th data-bbox="639 911 1401 956">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 956 639 1001">External Temp</td> <td data-bbox="639 956 1401 1001">External temperature (°C)</td> </tr> <tr> <td data-bbox="336 1001 639 1046">External Humidity</td> <td data-bbox="639 1001 1401 1046">External humidity (%)</td> </tr> <tr> <td data-bbox="336 1046 639 1104">Internal Temp</td> <td data-bbox="639 1046 1401 1104">Internal temperature (°C)</td> </tr> </tbody> </table> <p data-bbox="288 1151 475 1180">Method: [LSU]</p> <ol data-bbox="304 1184 778 1214" style="list-style-type: none"> 1. The current temperature is displayed. <table border="1" data-bbox="336 1227 1401 1326"> <thead> <tr> <th data-bbox="336 1227 639 1272">Display</th> <th data-bbox="639 1227 1401 1272">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1272 639 1326">K</td> <td data-bbox="639 1272 1401 1326">Internal temperature around the laser scanner unit (°C)</td> </tr> </tbody> </table> <p data-bbox="288 1368 564 1397">Method: [Developing]</p> <ol data-bbox="304 1402 778 1431" style="list-style-type: none"> 1. The current temperature is displayed. <table border="1" data-bbox="336 1444 1401 1543"> <thead> <tr> <th data-bbox="336 1444 639 1489">Display</th> <th data-bbox="639 1444 1401 1489">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1489 639 1543">K</td> <td data-bbox="639 1489 1401 1543">Internal temperature around the developer unit (°C)</td> </tr> </tbody> </table> <p data-bbox="288 1588 440 1617">Completion</p> <p data-bbox="288 1621 1254 1650">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Ext/Int	Internal/External temperature (°C), External humidity (%)	LSU	Internal temperature around the laser scanner unit (°C)	Developing	Internal temperature around the developer section (°C)	Display	Description	External Temp	External temperature (°C)	External Humidity	External humidity (%)	Internal Temp	Internal temperature (°C)	Display	Description	K	Internal temperature around the laser scanner unit (°C)	Display	Description	K	Internal temperature around the developer unit (°C)
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K	Internal temperature around the laser scanner unit (°C)																								
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K	Internal temperature around the developer unit (°C)																								

Item No.	Description																																				
U140	<p data-bbox="288 241 624 275">Displaying developer bias</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 906 374">Displays and changes various developer bias value.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 842 443">To check or changes the developer bias value.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 632 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1401 1077"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Sleeve DC</td> <td data-bbox="639 640 1401 685">Developer sleeve roller DC bias</td> </tr> <tr> <td data-bbox="336 685 639 730">Sleeve AC</td> <td data-bbox="639 685 1401 730">Developer sleeve roller AC bias</td> </tr> <tr> <td data-bbox="336 730 639 775">Mag DC</td> <td data-bbox="639 730 1401 775">Developer magnet roller DC bias</td> </tr> <tr> <td data-bbox="336 775 639 819">Mag AC</td> <td data-bbox="639 775 1401 819">Developer magnet roller AC bias</td> </tr> <tr> <td data-bbox="336 819 639 864">Sleeve Freq</td> <td data-bbox="639 819 1401 864">Developer sleeve roller frequency</td> </tr> <tr> <td data-bbox="336 864 639 909">Sleeve Duty</td> <td data-bbox="639 864 1401 909">Developer sleeve roller duty</td> </tr> <tr> <td data-bbox="336 909 639 954">Mag Duty</td> <td data-bbox="639 909 1401 954">Developer magnet roller duty</td> </tr> <tr> <td data-bbox="336 954 639 999">AC Calib</td> <td data-bbox="639 954 1401 999">Executing or setting the AC calibration</td> </tr> <tr> <td data-bbox="336 999 639 1077">Image Preference</td> <td data-bbox="639 999 1401 1077">Toner density setting</td> </tr> </tbody> </table> <p data-bbox="288 1128 549 1158">Setting: [Sleeve DC]</p> <ol data-bbox="304 1162 1054 1191" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1205 1401 1301"> <thead> <tr> <th data-bbox="336 1205 520 1249">Display</th> <th data-bbox="520 1205 1007 1249">Description</th> <th data-bbox="1007 1205 1201 1249">Setting range</th> <th data-bbox="1201 1205 1401 1249">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1249 520 1301">K</td> <td data-bbox="520 1249 1007 1301">Developer sleeve roller DC bias</td> <td data-bbox="1007 1249 1201 1301">0 to 255</td> <td data-bbox="1201 1249 1401 1301">84</td> </tr> </tbody> </table> <ol data-bbox="304 1312 767 1341" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1379 549 1408">Setting: [Sleeve AC]</p> <ol data-bbox="304 1413 1054 1442" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1456 1401 1552"> <thead> <tr> <th data-bbox="336 1456 520 1500">Display</th> <th data-bbox="520 1456 1007 1500">Description</th> <th data-bbox="1007 1456 1201 1500">Setting range</th> <th data-bbox="1201 1456 1401 1500">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1500 520 1552">K</td> <td data-bbox="520 1500 1007 1552">Developer sleeve roller AC bias</td> <td data-bbox="1007 1500 1201 1552">0 to 255</td> <td data-bbox="1201 1500 1401 1552">150</td> </tr> </tbody> </table> <ol data-bbox="304 1563 767 1592" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Sleeve DC	Developer sleeve roller DC bias	Sleeve AC	Developer sleeve roller AC bias	Mag DC	Developer magnet roller DC bias	Mag AC	Developer magnet roller AC bias	Sleeve Freq	Developer sleeve roller frequency	Sleeve Duty	Developer sleeve roller duty	Mag Duty	Developer magnet roller duty	AC Calib	Executing or setting the AC calibration	Image Preference	Toner density setting	Display	Description	Setting range	Initial setting	K	Developer sleeve roller DC bias	0 to 255	84	Display	Description	Setting range	Initial setting	K	Developer sleeve roller AC bias	0 to 255	150
Display	Description																																				
Sleeve DC	Developer sleeve roller DC bias																																				
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K	Developer sleeve roller AC bias	0 to 255	150																																		

Item No.	Description																																																	
U140	<p data-bbox="288 241 517 275">Setting: [Mag DC]</p> <p data-bbox="304 277 1054 311">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 318 1401 416"> <thead> <tr> <th data-bbox="336 318 517 362">Display</th> <th data-bbox="517 318 1007 362">Description</th> <th data-bbox="1007 318 1203 362">Setting range</th> <th data-bbox="1203 318 1401 362">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 362 517 416">K</td> <td data-bbox="517 362 1007 416">Developer magnet roller DC bias</td> <td data-bbox="1007 362 1203 416">0 to 255</td> <td data-bbox="1203 362 1401 416">199</td> </tr> </tbody> </table> <p data-bbox="304 427 767 461">2. Press the start key. The value is set.</p> <p data-bbox="288 495 517 528">Setting: [Mag AC]</p> <p data-bbox="304 530 1054 564">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 571 1401 669"> <thead> <tr> <th data-bbox="336 571 517 616">Display</th> <th data-bbox="517 571 1007 616">Description</th> <th data-bbox="1007 571 1203 616">Setting range</th> <th data-bbox="1203 571 1401 616">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 616 517 669">K</td> <td data-bbox="517 616 1007 669">Developer magnet roller AC bias</td> <td data-bbox="1007 616 1203 669">0 to 255</td> <td data-bbox="1203 616 1401 669">199</td> </tr> </tbody> </table> <p data-bbox="304 680 767 714">2. Press the start key. The value is set.</p> <p data-bbox="288 748 568 781">Setting: [Sleeve Freq]</p> <p data-bbox="304 784 1054 817">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 824 1401 1055"> <thead> <tr> <th data-bbox="336 824 517 922" rowspan="2">Display</th> <th data-bbox="517 824 946 922" rowspan="2">Description</th> <th data-bbox="946 824 1126 922" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 824 1401 869">Initial setting</th> </tr> <tr> <th data-bbox="1126 869 1262 922">65 ppm</th> <th data-bbox="1262 869 1401 922">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 922 517 967">Normal</td> <td data-bbox="517 922 946 967">Developer sleeve roller frequency</td> <td data-bbox="946 922 1126 967">0 to 6200</td> <td data-bbox="1126 922 1262 967">4510</td> <td data-bbox="1262 922 1401 967">4580</td> </tr> <tr> <td data-bbox="336 967 517 1055">Half</td> <td data-bbox="517 967 946 1055">Developer sleeve roller frequency (half speed)</td> <td data-bbox="946 967 1126 1055">0 to 6200</td> <td data-bbox="1126 967 1262 1055">5345</td> <td data-bbox="1262 967 1401 1055">5511</td> </tr> </tbody> </table> <p data-bbox="304 1066 767 1099">2. Press the start key. The value is set.</p> <p data-bbox="288 1133 568 1167">Setting: [Sleeve Duty]</p> <p data-bbox="304 1169 1054 1202">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1209 1401 1308"> <thead> <tr> <th data-bbox="336 1209 517 1254">Display</th> <th data-bbox="517 1209 1007 1254">Description</th> <th data-bbox="1007 1209 1203 1254">Setting range</th> <th data-bbox="1203 1209 1401 1254">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1254 517 1308">Normal</td> <td data-bbox="517 1254 1007 1308">Developer sleeve roller duty</td> <td data-bbox="1007 1254 1203 1308">0 to 99</td> <td data-bbox="1203 1254 1401 1308">43</td> </tr> </tbody> </table> <p data-bbox="304 1319 767 1352">2. Press the start key. The value is set.</p> <p data-bbox="288 1386 539 1420">Setting: [Mag Duty]</p> <p data-bbox="304 1422 1054 1456">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1462 1401 1561"> <thead> <tr> <th data-bbox="336 1462 517 1507">Display</th> <th data-bbox="517 1462 1007 1507">Description</th> <th data-bbox="1007 1462 1203 1507">Setting range</th> <th data-bbox="1203 1462 1401 1507">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1507 517 1561">Normal</td> <td data-bbox="517 1507 1007 1561">Developer magnet roller duty</td> <td data-bbox="1007 1507 1203 1561">0 to 99</td> <td data-bbox="1203 1507 1401 1561">68</td> </tr> </tbody> </table> <p data-bbox="304 1572 767 1606">2. Press the start key. The value is set.</p>	Display	Description	Setting range	Initial setting	K	Developer magnet roller DC bias	0 to 255	199	Display	Description	Setting range	Initial setting	K	Developer magnet roller AC bias	0 to 255	199	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Normal	Developer sleeve roller frequency	0 to 6200	4510	4580	Half	Developer sleeve roller frequency (half speed)	0 to 6200	5345	5511	Display	Description	Setting range	Initial setting	Normal	Developer sleeve roller duty	0 to 99	43	Display	Description	Setting range	Initial setting	Normal	Developer magnet roller duty	0 to 99	68
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Display	Description	Setting range	Initial setting																																															
K	Developer magnet roller AC bias	0 to 255	199																																															
Display	Description	Setting range	Initial setting																																															
			65 ppm	80 ppm																																														
Normal	Developer sleeve roller frequency	0 to 6200	4510	4580																																														
Half	Developer sleeve roller frequency (half speed)	0 to 6200	5345	5511																																														
Display	Description	Setting range	Initial setting																																															
Normal	Developer sleeve roller duty	0 to 99	43																																															
Display	Description	Setting range	Initial setting																																															
Normal	Developer magnet roller duty	0 to 99	68																																															

Item No.	Description																																				
U140	<p data-bbox="288 241 533 271">Method: [AC Calib]</p> <p data-bbox="304 277 520 306">1. Select the item.</p> <table border="1" data-bbox="336 320 1401 510"> <thead> <tr> <th data-bbox="336 320 639 365">Display</th> <th data-bbox="639 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 639 409">Calibration</td> <td data-bbox="639 365 1401 409">Executing the AC calibration</td> </tr> <tr> <td data-bbox="336 409 639 454">Magnification</td> <td data-bbox="639 409 1401 454">AC calibration target bias value setting</td> </tr> <tr> <td data-bbox="336 454 639 510">High Altitude</td> <td data-bbox="639 454 1401 510">Mode setting for AC calibration bias control</td> </tr> </tbody> </table> <p data-bbox="288 555 560 584">Method: [Calibration]</p> <p data-bbox="304 591 756 620">1. Turns the items to implement to on.</p> <p data-bbox="304 627 975 656">2. If the machine is installed at high altitudes, turn to On.</p> <p data-bbox="336 663 703 692">Changing Type to 1 sets to On.</p> <table border="1" data-bbox="336 705 1401 846"> <thead> <tr> <th data-bbox="336 705 639 750">Display</th> <th data-bbox="639 705 1401 750">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 750 639 795">K</td> <td data-bbox="639 750 1401 795">When replacing the developer unit or drum unit</td> </tr> <tr> <td data-bbox="336 795 639 846">Type</td> <td data-bbox="639 795 1401 846">Setting the mode</td> </tr> </tbody> </table> <p data-bbox="304 860 536 889">3. Select [Execute].</p> <p data-bbox="304 896 887 925">4. Press the start key. AC calibration is executed.</p> <p data-bbox="304 931 1378 960">5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.</p> <p data-bbox="336 967 959 996">* : When an error occurs, an error code is displayed.</p> <p data-bbox="288 1032 588 1061">Setting: [Magnification]</p> <p data-bbox="304 1068 1054 1097">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1111 1401 1238"> <thead> <tr> <th data-bbox="336 1111 488 1178">Display</th> <th data-bbox="488 1111 1126 1178">Description</th> <th data-bbox="1126 1111 1262 1178">Setting range</th> <th data-bbox="1262 1111 1401 1178">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1178 488 1238">K</td> <td data-bbox="488 1178 1126 1238">When replacing the developer unit or drum unit</td> <td data-bbox="1126 1178 1262 1238">-10 to 1 5</td> <td data-bbox="1262 1178 1401 1238">12</td> </tr> </tbody> </table> <p data-bbox="304 1252 767 1281">2. Press the start key. The value is set.</p> <p data-bbox="288 1317 588 1346">Method: [High Altitude]</p> <p data-bbox="304 1352 628 1382">1. Select Mode1 or Mode2.</p> <table border="1" data-bbox="336 1395 1401 1574"> <thead> <tr> <th data-bbox="336 1395 639 1440">Display</th> <th data-bbox="639 1395 1401 1440">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1440 639 1485">Mode1</td> <td data-bbox="639 1440 1401 1485">Execute AC calibration by normal bias control</td> </tr> <tr> <td data-bbox="336 1485 639 1574">Mode2</td> <td data-bbox="639 1485 1401 1574">If print density is low in an installation at high altitude, execute calibration by fixing the bias potential.</td> </tr> </tbody> </table> <p data-bbox="336 1588 580 1617">Initial setting: Mode1</p> <p data-bbox="304 1624 767 1653">2. Press the start key. The value is set.</p> <p data-bbox="304 1659 1378 1688">3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.</p> <p data-bbox="288 1724 644 1753">Method: [Image Preference]</p> <p data-bbox="304 1760 533 1789">1. Select the Copy.</p> <p data-bbox="304 1796 906 1825">2. Change the value using the +/- or numeric keys.</p> <table border="1" data-bbox="336 1839 1401 1966"> <thead> <tr> <th data-bbox="336 1839 488 1906">Display</th> <th data-bbox="488 1839 1126 1906">Description</th> <th data-bbox="1126 1839 1262 1906">Setting range</th> <th data-bbox="1262 1839 1401 1906">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1906 488 1966">Copy</td> <td data-bbox="488 1906 1126 1966">Setting toner density at copying</td> <td data-bbox="1126 1906 1262 1966">-1 to +1</td> <td data-bbox="1262 1906 1401 1966">0</td> </tr> </tbody> </table> <p data-bbox="288 1980 639 2009">1: Low 0: Normal +1: Deep</p>	Display	Description	Calibration	Executing the AC calibration	Magnification	AC calibration target bias value setting	High Altitude	Mode setting for AC calibration bias control	Display	Description	K	When replacing the developer unit or drum unit	Type	Setting the mode	Display	Description	Setting range	Initial setting	K	When replacing the developer unit or drum unit	-10 to 1 5	12	Display	Description	Mode1	Execute AC calibration by normal bias control	Mode2	If print density is low in an installation at high altitude, execute calibration by fixing the bias potential.	Display	Description	Setting range	Initial setting	Copy	Setting toner density at copying	-1 to +1	0
Display	Description																																				
Calibration	Executing the AC calibration																																				
Magnification	AC calibration target bias value setting																																				
High Altitude	Mode setting for AC calibration bias control																																				
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Display	Description	Setting range	Initial setting																																		
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Display	Description	Setting range	Initial setting																																		
Copy	Setting toner density at copying	-1 to +1	0																																		

Item No.	Description																																	
U140	<p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>																																	
U147	<p>Setting for toner applying operation</p> <p>Description Sets the mode for removing charged toner in the developing unit (T7 control: Toner applying operation). Defines the action that the toner accumulated on the developer blade is sent back in the developer unit (done by the vibration motor).</p> <p>Purpose The setting can be changed to reduce the toner applying quantity. Performed to change the occurrence of the control of the vibration motor. If the charged toner stays inside the developing unit, density decreases.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 853 1401 1093"> <thead> <tr> <th data-bbox="336 853 564 898">Display</th> <th data-bbox="564 853 1401 898">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 898 564 943">Timing</td> <td data-bbox="564 898 1401 943">Setting timing to transit to toner applying</td> </tr> <tr> <td data-bbox="336 943 564 987">Mode</td> <td data-bbox="564 943 1401 987">Settings for toner applying operation</td> </tr> <tr> <td data-bbox="336 987 564 1032">Upper Limit</td> <td data-bbox="564 987 1401 1032">Upper limit printing ratio of toner applying quantity with each mode</td> </tr> <tr> <td data-bbox="336 1032 564 1077">Minimum</td> <td data-bbox="564 1032 1401 1077">Toner layer width when cleaning mode is selected</td> </tr> </tbody> </table> <p>Setting: [Upper Limit]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1216 1401 1476"> <thead> <tr> <th data-bbox="336 1216 489 1310" rowspan="2">Display</th> <th data-bbox="489 1216 975 1310" rowspan="2">Description</th> <th data-bbox="975 1216 1128 1310" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1128 1216 1401 1261">Initial setting</th> </tr> <tr> <th data-bbox="1128 1261 1262 1310">65 ppm</th> <th data-bbox="1262 1261 1401 1310">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1310 489 1391">Paper Int</td> <td data-bbox="489 1310 975 1391">Setting number of pages to transit to toner applying (between pages)</td> <td data-bbox="975 1310 1128 1391">0 to 100</td> <td data-bbox="1128 1310 1262 1391">65</td> <td data-bbox="1262 1310 1401 1391">80</td> </tr> <tr> <td data-bbox="336 1391 489 1476">Job End</td> <td data-bbox="489 1391 975 1476">Setting number of pages to transit to toner applying (job completed)</td> <td data-bbox="975 1391 1128 1476">0 to 100</td> <td data-bbox="1128 1391 1262 1476">8</td> <td data-bbox="1262 1391 1401 1476">8</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 2. Press the start key. The value is set. <p>Setting: [Mode]</p> <ol style="list-style-type: none"> 1. Select the mode. <table border="1" data-bbox="336 1637 1401 1778"> <thead> <tr> <th data-bbox="336 1637 564 1682">Display</th> <th data-bbox="564 1637 1401 1682">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1682 564 1727">Mode0</td> <td data-bbox="564 1682 1401 1727">Less consumption of toner than a regular toner applying operation</td> </tr> <tr> <td data-bbox="336 1727 564 1778">Mode1</td> <td data-bbox="564 1727 1401 1778">Executes toner applying with the regular amount of toner</td> </tr> </tbody> </table> <p>Initial setting; Mode1</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	Timing	Setting timing to transit to toner applying	Mode	Settings for toner applying operation	Upper Limit	Upper limit printing ratio of toner applying quantity with each mode	Minimum	Toner layer width when cleaning mode is selected	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Paper Int	Setting number of pages to transit to toner applying (between pages)	0 to 100	65	80	Job End	Setting number of pages to transit to toner applying (job completed)	0 to 100	8	8	Display	Description	Mode0	Less consumption of toner than a regular toner applying operation	Mode1	Executes toner applying with the regular amount of toner
Display	Description																																	
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Mode0	Less consumption of toner than a regular toner applying operation																																	
Mode1	Executes toner applying with the regular amount of toner																																	

Item No.	Description																
U147	<p>Setting: [Upper Limit]</p> <p>1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 320 1401 488"> <thead> <tr> <th data-bbox="336 320 520 398">Display</th> <th data-bbox="520 320 1066 398">Description</th> <th data-bbox="1066 320 1233 398">Setting range</th> <th data-bbox="1233 320 1401 398">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 520 488">Value</td> <td data-bbox="520 398 1066 488">Upper limit printing ratio of toner applying quantity with each mode (%)</td> <td data-bbox="1066 398 1233 488">0 to 2.0</td> <td data-bbox="1233 398 1401 488">2.0</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Setting: [Minimum]</p> <p>1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 640 1401 808"> <thead> <tr> <th data-bbox="336 640 520 719">Display</th> <th data-bbox="520 640 1066 719">Description</th> <th data-bbox="1066 640 1233 719">Setting range</th> <th data-bbox="1233 640 1401 719">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 719 520 808">Value</td> <td data-bbox="520 719 1066 808">Toner layer width when cleaning mode is selected (mm)</td> <td data-bbox="1066 719 1233 808">0 to 30</td> <td data-bbox="1233 719 1401 808">10</td> </tr> </tbody> </table> <p>2. Press the start key. The value is set.</p> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Value	Upper limit printing ratio of toner applying quantity with each mode (%)	0 to 2.0	2.0	Display	Description	Setting range	Initial setting	Value	Toner layer width when cleaning mode is selected (mm)	0 to 30	10
Display	Description	Setting range	Initial setting														
Value	Upper limit printing ratio of toner applying quantity with each mode (%)	0 to 2.0	2.0														
Display	Description	Setting range	Initial setting														
Value	Toner layer width when cleaning mode is selected (mm)	0 to 30	10														
U148	<p>Setting drum refresh mode</p> <p>Description</p> <p>Selects the mode used in drum refreshing</p> <p>Purpose</p> <p>Change settings when drum refreshing is too frequently executed.</p> <p>Setting</p> <p>1. Press the start key.</p> <p>2. Select the mode.</p> <table border="1" data-bbox="336 1323 1401 1503"> <thead> <tr> <th data-bbox="336 1323 528 1368">Display</th> <th data-bbox="528 1323 1007 1368">Description</th> <th data-bbox="1007 1323 1198 1368">Setting range</th> <th data-bbox="1198 1323 1401 1368">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1368 528 1413">Normal*1</td> <td data-bbox="528 1368 1007 1413">Automatic drum refreshing setting</td> <td data-bbox="1007 1368 1198 1413">0 to 3</td> <td data-bbox="1198 1368 1401 1413">2</td> </tr> <tr> <td data-bbox="336 1413 528 1503">Dew Condensation*2</td> <td data-bbox="528 1413 1007 1503">Dew condensation drum refreshing setting</td> <td data-bbox="1007 1413 1198 1503">0 to 3</td> <td data-bbox="1198 1413 1401 1503">0</td> </tr> </tbody> </table> <p>* 1: 0: Off / 1: Short / 2: Standard / 3: Long</p> <p>* 2: 0:Mode0/ 1:Mode1/ 2:Mode2/ 3:Mode3</p> <p>Larger the number, more the times of the refresh.</p> <p>3. Press the start key. The setting is set.</p> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Normal*1	Automatic drum refreshing setting	0 to 3	2	Dew Condensation*2	Dew condensation drum refreshing setting	0 to 3	0				
Display	Description	Setting range	Initial setting														
Normal*1	Automatic drum refreshing setting	0 to 3	2														
Dew Condensation*2	Dew condensation drum refreshing setting	0 to 3	0														

Item No.	Description																		
U155	<p data-bbox="288 241 643 271">Checking sensors for toner</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 754 374">Displays the toner sensor output value.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 994 443">To check the output value when any image problems occur.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="308 517 678 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be display. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Waste Toner</td> <td data-bbox="639 640 1401 685">Control voltage value of the waste toner sensor</td> </tr> <tr> <td data-bbox="336 685 639 741">Toner</td> <td data-bbox="639 685 1401 741">Control voltage value and replenishment level of toner sensor</td> </tr> </tbody> </table> <p data-bbox="288 784 579 813">Method: [Waste Toner]</p> <ol data-bbox="308 817 1029 846" style="list-style-type: none"> 1. Check the status of sensor. The current value is displayed. <table border="1" data-bbox="336 862 1401 1008"> <thead> <tr> <th data-bbox="336 862 639 907">Display</th> <th data-bbox="639 862 1401 907">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 907 639 952">Full</td> <td data-bbox="639 907 1401 952">Waste toner sensor 1 (WTS1)</td> </tr> <tr> <td data-bbox="336 952 639 1008">Near Full</td> <td data-bbox="639 952 1401 1008">Waste toner sensor 2 (WTS2)</td> </tr> </tbody> </table> <p data-bbox="288 1052 496 1081">Method: [Toner]</p> <ol data-bbox="308 1086 1029 1115" style="list-style-type: none"> 1. Check the status of sensor. The current value is displayed. <table border="1" data-bbox="336 1131 1401 1276"> <thead> <tr> <th data-bbox="336 1131 639 1176">Display</th> <th data-bbox="639 1131 1401 1176">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1176 639 1220">Sensor(K)</td> <td data-bbox="639 1176 1401 1220">Toner sensor output value</td> </tr> <tr> <td data-bbox="336 1220 639 1276">Supply(K)</td> <td data-bbox="639 1220 1401 1276">Toner replenishment level</td> </tr> </tbody> </table> <p data-bbox="288 1321 440 1350">Completion</p> <p data-bbox="288 1355 1257 1384">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Waste Toner	Control voltage value of the waste toner sensor	Toner	Control voltage value and replenishment level of toner sensor	Display	Description	Full	Waste toner sensor 1 (WTS1)	Near Full	Waste toner sensor 2 (WTS2)	Display	Description	Sensor(K)	Toner sensor output value	Supply(K)	Toner replenishment level
Display	Description																		
Waste Toner	Control voltage value of the waste toner sensor																		
Toner	Control voltage value and replenishment level of toner sensor																		
Display	Description																		
Full	Waste toner sensor 1 (WTS1)																		
Near Full	Waste toner sensor 2 (WTS2)																		
Display	Description																		
Sensor(K)	Toner sensor output value																		
Supply(K)	Toner replenishment level																		

Item No.	Description																						
U156	<p data-bbox="290 241 762 273">Setting the toner replenishment level</p> <p data-bbox="290 309 440 340">Description</p> <p data-bbox="290 344 871 376">Sets the toner replenishment level for each color.</p> <p data-bbox="290 380 400 412">Purpose</p> <p data-bbox="290 416 895 448">To change settings according to the original image.</p> <p data-bbox="290 483 387 515">Method</p> <ol data-bbox="306 519 632 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Supply</td> <td data-bbox="639 640 1401 685">Setting the toner replenishment level</td> </tr> <tr> <td data-bbox="336 685 639 741">Empty</td> <td data-bbox="639 685 1401 741">Setting the toner empty level</td> </tr> </tbody> </table> <p data-bbox="290 786 512 817">Method: [Supply]</p> <ol data-bbox="306 822 1350 884" style="list-style-type: none"> 1. Change the setting value using the +/- or numeric keys. Increasing the setting makes the image lighter; decreasing it makes the image darker. <table border="1" data-bbox="336 898 1401 1030"> <thead> <tr> <th data-bbox="336 898 528 981">Display</th> <th data-bbox="528 898 1094 981">Description</th> <th data-bbox="1094 898 1249 981">Setting range</th> <th data-bbox="1249 898 1401 981">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 981 528 1030">K</td> <td data-bbox="528 981 1094 1030">Toner replenishment level</td> <td data-bbox="1094 981 1249 1030">0 to 900</td> <td data-bbox="1249 981 1401 1030">512</td> </tr> </tbody> </table> <ol data-bbox="306 1043 767 1075" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="290 1111 504 1142">Method: [Empty]</p> <ol data-bbox="306 1146 1362 1249" style="list-style-type: none"> 1. Change the setting value using the +/- or numeric keys. Increasing the setting makes 'toner empty' appear later and decreasing it makes 'toner empty' appear earlier. <table border="1" data-bbox="336 1263 1401 1395"> <thead> <tr> <th data-bbox="336 1263 528 1346">Display</th> <th data-bbox="528 1263 1094 1346">Description</th> <th data-bbox="1094 1263 1249 1346">Setting range</th> <th data-bbox="1249 1263 1401 1346">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1346 528 1395">K</td> <td data-bbox="528 1346 1094 1395">Toner empty level</td> <td data-bbox="1094 1346 1249 1395">0 to 1023</td> <td data-bbox="1249 1346 1401 1395">100</td> </tr> </tbody> </table> <ol data-bbox="306 1408 767 1440" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="290 1476 440 1507">Completion</p> <p data-bbox="290 1512 1254 1543">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Supply	Setting the toner replenishment level	Empty	Setting the toner empty level	Display	Description	Setting range	Initial setting	K	Toner replenishment level	0 to 900	512	Display	Description	Setting range	Initial setting	K	Toner empty level	0 to 1023	100
Display	Description																						
Supply	Setting the toner replenishment level																						
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Display	Description	Setting range	Initial setting																				
K	Toner replenishment level	0 to 900	512																				
Display	Description	Setting range	Initial setting																				
K	Toner empty level	0 to 1023	100																				

Item No.	Description				
U157	<p data-bbox="288 241 727 271">Checking the developer drive time</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1414 409">Displays the developer drive time for checking a figure, which is used as a reference when correcting the toner control.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1094 477">To check the developer drive time after replacing the developer unit.</p> <p data-bbox="288 517 387 546">Method</p> <p data-bbox="308 551 1019 580">1. Press the start key. The developer drive time is displayed.</p> <table border="1" data-bbox="336 595 1401 692"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 692">K</td> <td data-bbox="639 640 1401 692">Developer drive time</td> </tr> </tbody> </table> <p data-bbox="288 732 440 761">Completion</p> <p data-bbox="288 766 1254 795">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Developer drive time
Display	Description				
K	Developer drive time				
U158	<p data-bbox="288 817 676 846">Checking the developer count</p> <p data-bbox="288 887 440 916">Description</p> <p data-bbox="288 920 794 949">Displays the developer count for checking.</p> <p data-bbox="288 954 400 983">Purpose</p> <p data-bbox="288 987 703 1016">To check the developer unit status.</p> <p data-bbox="288 1057 387 1086">Method</p> <p data-bbox="308 1090 1072 1120">1. Press the start key. The current developer counts is displayed.</p> <table border="1" data-bbox="336 1135 1401 1232"> <thead> <tr> <th data-bbox="336 1135 639 1180">Display</th> <th data-bbox="639 1135 1401 1180">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1180 639 1232">K</td> <td data-bbox="639 1180 1401 1232">Developer count value</td> </tr> </tbody> </table> <p data-bbox="288 1272 440 1301">Completion</p> <p data-bbox="288 1305 1254 1335">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Developer count value
Display	Description				
K	Developer count value				

Item No.	Description																																																									
U161	<p data-bbox="288 241 766 275">Setting the fuser control temperature</p> <p data-bbox="288 309 440 342">Description Changes the fuser control temperature.</p> <p data-bbox="288 376 400 409">Purpose Normally no change is necessary. However, can be used to prevent curling or creasing of paper, or solve a fuser problem on thick paper.</p> <p data-bbox="288 517 387 551">Method</p> <ol data-bbox="304 555 632 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 629 1401 871"> <thead> <tr> <th data-bbox="336 629 639 674">Display</th> <th data-bbox="639 629 1401 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 639 719">Warm Up</td> <td data-bbox="639 674 1401 719">Control temperature except at printing</td> </tr> <tr> <td data-bbox="336 719 639 763">Print</td> <td data-bbox="639 719 1401 763">Control temperature during printing</td> </tr> <tr> <td data-bbox="336 763 639 808">Belt Mode</td> <td data-bbox="639 763 1401 808">Settings against broken fusing belt control</td> </tr> <tr> <td data-bbox="336 808 639 853">Ready Time Adjust</td> <td data-bbox="639 808 1401 853">Setting the Temperature to Activate Aging</td> </tr> </tbody> </table> <p data-bbox="288 913 533 947">Setting: [Warm Up]</p> <ol data-bbox="304 952 858 1014" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys. <table border="1" data-bbox="336 1025 1401 1787"> <thead> <tr> <th data-bbox="336 1025 520 1115" rowspan="2">Display</th> <th data-bbox="520 1025 946 1115" rowspan="2">Description</th> <th data-bbox="946 1025 1126 1115" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1025 1401 1070">Initial setting</th> </tr> <tr> <th data-bbox="1126 1070 1262 1115">65 ppm</th> <th data-bbox="1262 1070 1401 1115">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1115 520 1205">Ready (Center)</td> <td data-bbox="520 1115 946 1205">Control temperature at displaying Ready (Center)</td> <td data-bbox="946 1115 1126 1205">130 to 200 (°C)</td> <td data-bbox="1126 1115 1262 1205">165</td> <td data-bbox="1262 1115 1401 1205">165/170*</td> </tr> <tr> <td data-bbox="336 1205 520 1294">Ready (Edge)</td> <td data-bbox="520 1205 946 1294">Control temperature at displaying Ready (Edge)</td> <td data-bbox="946 1205 1126 1294">100 to 200 (°C)</td> <td data-bbox="1126 1205 1262 1294">140</td> <td data-bbox="1262 1205 1401 1294">140</td> </tr> <tr> <td data-bbox="336 1294 520 1384">Ready (Press)</td> <td data-bbox="520 1294 946 1384">Control temperature at displaying Ready (Press)</td> <td data-bbox="946 1294 1126 1384">0 to 200 (°C)</td> <td data-bbox="1126 1294 1262 1384">30</td> <td data-bbox="1262 1294 1401 1384">30</td> </tr> <tr> <td data-bbox="336 1384 520 1473">Drive (Center)</td> <td data-bbox="520 1384 946 1473">Stable temperature during driving (Center)</td> <td data-bbox="946 1384 1126 1473">130 to 200 (°C)</td> <td data-bbox="1126 1384 1262 1473">170</td> <td data-bbox="1262 1384 1401 1473">175</td> </tr> <tr> <td data-bbox="336 1473 520 1563">Wait (Center)</td> <td data-bbox="520 1473 946 1563">Stable temperature during halt (Center)</td> <td data-bbox="946 1473 1126 1563">130 to 200 (°C)</td> <td data-bbox="1126 1473 1262 1563">165</td> <td data-bbox="1262 1473 1401 1563">170</td> </tr> <tr> <td data-bbox="336 1563 520 1653">Low Power (Press)</td> <td data-bbox="520 1563 946 1653">Control temperature at low power consumption (Press)</td> <td data-bbox="946 1563 1126 1653">0 to 200 (°C)</td> <td data-bbox="1126 1563 1262 1653">130</td> <td data-bbox="1262 1563 1401 1653">130</td> </tr> <tr> <td data-bbox="336 1653 520 1742">Full Speed Shift(Center)</td> <td data-bbox="520 1653 946 1742">Full speed shift temperature (Center)</td> <td data-bbox="946 1653 1126 1742">0 to 200 (°C)</td> <td data-bbox="1126 1653 1262 1742">0</td> <td data-bbox="1262 1653 1401 1742">0</td> </tr> <tr> <td data-bbox="336 1742 520 1832">Pressure (Press)</td> <td data-bbox="520 1742 946 1832">Pressurizing beginning temperature (Press)</td> <td data-bbox="946 1742 1126 1832">0 to 200 (°C)</td> <td data-bbox="1126 1742 1262 1832">150</td> <td data-bbox="1262 1742 1401 1832">150</td> </tr> </tbody> </table> <p data-bbox="336 1803 930 1836">*: 120 V specifications/220 to 240 V specifications</p> <ol data-bbox="304 1841 767 1874" style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Warm Up	Control temperature except at printing	Print	Control temperature during printing	Belt Mode	Settings against broken fusing belt control	Ready Time Adjust	Setting the Temperature to Activate Aging	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Ready (Center)	Control temperature at displaying Ready (Center)	130 to 200 (°C)	165	165/170*	Ready (Edge)	Control temperature at displaying Ready (Edge)	100 to 200 (°C)	140	140	Ready (Press)	Control temperature at displaying Ready (Press)	0 to 200 (°C)	30	30	Drive (Center)	Stable temperature during driving (Center)	130 to 200 (°C)	170	175	Wait (Center)	Stable temperature during halt (Center)	130 to 200 (°C)	165	170	Low Power (Press)	Control temperature at low power consumption (Press)	0 to 200 (°C)	130	130	Full Speed Shift(Center)	Full speed shift temperature (Center)	0 to 200 (°C)	0	0	Pressure (Press)	Pressurizing beginning temperature (Press)	0 to 200 (°C)	150	150
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Low Power (Press)	Control temperature at low power consumption (Press)	0 to 200 (°C)	130	130																																																						
Full Speed Shift(Center)	Full speed shift temperature (Center)	0 to 200 (°C)	0	0																																																						
Pressure (Press)	Pressurizing beginning temperature (Press)	0 to 200 (°C)	150	150																																																						

Item No.	Description																					
U161	Setting: [Print]																					
	1. Select the item to be set. 2. Change the setting value using the +/- keys.																					
	<table border="1"> <thead> <tr> <th rowspan="2">Display</th> <th rowspan="2">Description</th> <th rowspan="2">Setting range</th> <th colspan="2">Initial setting</th> </tr> <tr> <th>65 ppm</th> <th>80 ppm</th> </tr> </thead> <tbody> <tr> <td>Full Speed Print(Center)</td> <td>Temperature at maximum print speed (Center)</td> <td>130 to 200 (°C)</td> <td>165</td> <td>170</td> </tr> <tr> <td>Duplex Shift (Center)</td> <td>Temperature at duplex printing (Center)</td> <td>-20 to 20 (°C)</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Full Speed Print(Center)	Temperature at maximum print speed (Center)	130 to 200 (°C)	165	170	Duplex Shift (Center)	Temperature at duplex printing (Center)	-20 to 20 (°C)	0	0
	Display	Description	Setting range	Initial setting																		
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	Setting: [Belt Mode]																					
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<table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>On</td> <td>Belt mode is performed</td> </tr> <tr> <td>Off</td> <td>Belt mode is not performed</td> </tr> </tbody> </table>					Display	Description	On	Belt mode is performed	Off	Belt mode is not performed												
Display	Description																					
On	Belt mode is performed																					
Off	Belt mode is not performed																					
<p>* : Initial setting: Off</p> <p>* : On: The fuser motor should be deactivated after 15 minutes in Ready state so that the fuser belt refrains from revolving.</p>																						
2. Press the start key. The setting is set.																						
Setting: [Ready Time Adjust]																						
1. Change the setting value using the +/- or numeric keys.																						
<table border="1"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Value</td> <td>Compensating Values for the Activating Temperature for Low-temperature Aging: (α)</td> <td>0 to 2</td> <td>2</td> </tr> </tbody> </table>					Display	Description	Setting range	Initial setting	Value	Compensating Values for the Activating Temperature for Low-temperature Aging: (α)	0 to 2	2										
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Value	Compensating Values for the Activating Temperature for Low-temperature Aging: (α)	0 to 2	2																			
2. Press the start key. The setting is set.																						
<p>* : Reducing the alpha value lowers the temperature at which aging is activated following the quiet mode has been stable.</p> <p>* : Lowering the alpha value could deteriorate the fuser performance due to aging would not be activated during quiet mode.</p>																						
<table border="1"> <tbody> <tr> <td>Temperature to Activate Aging</td> <td>Less than $11+\alpha^{\circ}\text{C}$</td> <td>Less than $16+\alpha^{\circ}\text{C}$</td> <td>$16+\alpha^{\circ}\text{C}$ or more</td> </tr> <tr> <td>Time for Low-temperature Aging</td> <td>45 sec</td> <td>35 sec</td> <td>0 sec</td> </tr> </tbody> </table>					Temperature to Activate Aging	Less than $11+\alpha^{\circ}\text{C}$	Less than $16+\alpha^{\circ}\text{C}$	$16+\alpha^{\circ}\text{C}$ or more	Time for Low-temperature Aging	45 sec	35 sec	0 sec										
Temperature to Activate Aging	Less than $11+\alpha^{\circ}\text{C}$	Less than $16+\alpha^{\circ}\text{C}$	$16+\alpha^{\circ}\text{C}$ or more																			
Time for Low-temperature Aging	45 sec	35 sec	0 sec																			
Completion																						
Press the stop key. The screen for selecting a maintenance item No. is displayed.																						

Item No.	Description										
U163	<p>Resetting the fuser problem data</p> <p>Description Resets the detection of a service call code indicating a problem in the fuser section.</p> <p>Purpose To prevent accidents due to an abnormally high fuser temperature.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key. The fuser problem data is initialized. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 										
U167	<p>Checking/clearing the fuser count</p> <p>Description Displays and clears the fuser count for checking.</p> <p>Purpose To check the fuser count or drive time after replacement of the fuser unit. Also to clear the counts after replacing unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The fuser count is displayed. <table border="1" data-bbox="336 1095 1401 1337"> <thead> <tr> <th data-bbox="336 1095 641 1144">Display</th> <th data-bbox="641 1095 1401 1144">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1144 641 1189">Cnt</td> <td data-bbox="641 1144 1401 1189">Fuser unit count value</td> </tr> <tr> <td data-bbox="336 1189 641 1234">Release(Time)</td> <td data-bbox="641 1189 1401 1234">Fuser unit drive time (release)</td> </tr> <tr> <td data-bbox="336 1234 641 1279">Press(Time)</td> <td data-bbox="641 1234 1401 1279">Fuser unit drive time (press)</td> </tr> <tr> <td data-bbox="336 1279 641 1337">Clear</td> <td data-bbox="641 1279 1401 1337">Fuser counter all clear</td> </tr> </tbody> </table> <p>Clearing</p> <ol style="list-style-type: none"> 1. Press [Clear]. 2. Press the start key. The count is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Fuser unit count value	Release(Time)	Fuser unit drive time (release)	Press(Time)	Fuser unit drive time (press)	Clear	Fuser counter all clear
Display	Description										
Cnt	Fuser unit count value										
Release(Time)	Fuser unit drive time (release)										
Press(Time)	Fuser unit drive time (press)										
Clear	Fuser counter all clear										

Item No.	Description												
U169	<p>Checking/setting the fuser power source</p> <p>Description Displays and settings the reference voltage of the fuser IH PWB.</p> <p>Purpose To check the reference voltage.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1401 692"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 692">Set Fuser</td> <td data-bbox="639 640 1401 692">Destination setting for Fuser</td> </tr> </tbody> </table> <p>Setting: [Set Fuser]</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys. <table border="1" data-bbox="336 828 1401 925"> <thead> <tr> <th data-bbox="336 828 564 873">Display</th> <th data-bbox="564 828 1171 873">Description</th> <th data-bbox="1171 828 1401 873">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 873 564 925">Mode</td> <td data-bbox="564 873 1171 925">Reference voltage</td> <td data-bbox="1171 873 1401 925">1 to 4</td> </tr> </tbody> </table> <p>* : 1: 100 V specifications 2: 200 V specifications 3: 120 V specifications 4: 110 V specifications</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Set Fuser	Destination setting for Fuser	Display	Description	Setting range	Mode	Reference voltage	1 to 4		
Display	Description												
Set Fuser	Destination setting for Fuser												
Display	Description	Setting range											
Mode	Reference voltage	1 to 4											
U199	<p>Displaying fuser heater temperature</p> <p>Description Displays the detected fuser temperature.</p> <p>Purpose To check the fuser temperature.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The fuser temperature is displayed. <table border="1" data-bbox="336 1512 1401 1798"> <thead> <tr> <th data-bbox="336 1512 639 1556">Display</th> <th data-bbox="639 1512 1401 1556">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1556 639 1601">Heat Roller Edge1</td> <td data-bbox="639 1556 1401 1601">Heat roller edge temperature (°C)</td> </tr> <tr> <td data-bbox="336 1601 639 1646">Heat Roller Edge2</td> <td data-bbox="639 1601 1401 1646">Heat roller edge temperature (°C)</td> </tr> <tr> <td data-bbox="336 1646 639 1691">Heat Roller Edge3</td> <td data-bbox="639 1646 1401 1691">Heat roller edge temperature (°C)</td> </tr> <tr> <td data-bbox="336 1691 639 1736">Heat Roller Center</td> <td data-bbox="639 1691 1401 1736">Heat roller center temperature (°C)</td> </tr> <tr> <td data-bbox="336 1736 639 1798">Press Roller Center</td> <td data-bbox="639 1736 1401 1798">Press roller center temperature (°C)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance mode No. is displayed.</p>	Display	Description	Heat Roller Edge1	Heat roller edge temperature (°C)	Heat Roller Edge2	Heat roller edge temperature (°C)	Heat Roller Edge3	Heat roller edge temperature (°C)	Heat Roller Center	Heat roller center temperature (°C)	Press Roller Center	Press roller center temperature (°C)
Display	Description												
Heat Roller Edge1	Heat roller edge temperature (°C)												
Heat Roller Edge2	Heat roller edge temperature (°C)												
Heat Roller Edge3	Heat roller edge temperature (°C)												
Heat Roller Center	Heat roller center temperature (°C)												
Press Roller Center	Press roller center temperature (°C)												

Item No.	Description						
U200	<p>Turning all LEDs on</p> <p>Description Turns all the LEDs on the operation panel on.</p> <p>Purpose To check if all the LEDs on the operation panel light.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. All the LEDs on the operation panel light. 4. Press the stop key. The LEDs turns off. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>						
U201	<p>Initializing the touch panel</p> <p>Description Automatically correct the positions of the X- and Y-axes of the touch panel.</p> <p>Purpose To automatically correct the display positions on the touch panel after it is replaced.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the [Initialize] or [Check]. <table border="1" data-bbox="336 1128 1401 1272"> <thead> <tr> <th data-bbox="336 1128 639 1173">Display</th> <th data-bbox="639 1128 1401 1173">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1173 639 1218">Initialize</td> <td data-bbox="639 1173 1401 1218">Adjusts the display on the panel automatically</td> </tr> <tr> <td data-bbox="336 1218 639 1272">Check</td> <td data-bbox="639 1218 1401 1272">Checks the display on the touch panel</td> </tr> </tbody> </table> <p>Method: [Initialize]</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the center of the + keys. Be sure to press three + keys displayed in order. The touch panel is adjusted automatically. 3. Press the indicated three + keys, and then check the display. 4. Press the stop key. <p>Method: [Check]</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the indicated three + keys, and then check the display. When adjusting the display, press [Initialize] to execute the adjustment automatically. 3. Press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Initialize	Adjusts the display on the panel automatically	Check	Checks the display on the touch panel
Display	Description						
Initialize	Adjusts the display on the panel automatically						
Check	Checks the display on the touch panel						

Item No.	Description																					
U202	<p data-bbox="288 241 826 275">Setting the KMAS host monitoring system</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 962 374">Initializes or operates the KMAS host monitoring system.</p> <p data-bbox="288 378 1425 445">This is an optional device which is currently supported only by Japanese specification machines, so no setting is necessary.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 1019 512">Performed at installation, periodic maintenance, and/or repair.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 564 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 665 1399 808"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1399 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Init/Set TEL No.</td> <td data-bbox="639 710 1399 754">Initialization/Phone Nbr. se</td> </tr> <tr> <td data-bbox="336 754 639 808">Call Service End</td> <td data-bbox="639 754 1399 808">Outgoing at the end of service activities</td> </tr> </tbody> </table> <p data-bbox="288 853 619 882">Method: [Init/Set TEL No.]</p> <ol data-bbox="304 887 654 916" style="list-style-type: none"> 1. Select the item to be input. <table border="1" data-bbox="336 929 1399 1072"> <thead> <tr> <th data-bbox="336 929 639 974">Display</th> <th data-bbox="639 929 1399 974">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 974 639 1019">TEL No. 1</td> <td data-bbox="639 974 1399 1019">Sales companies</td> </tr> <tr> <td data-bbox="336 1019 639 1072">TEL No. 2</td> <td data-bbox="639 1019 1399 1072">Call center</td> </tr> </tbody> </table> <ol data-bbox="304 1086 1129 1290" style="list-style-type: none"> 2. Input the telephone number using the numeric keys. 3. Press the start key. The setting is set. 4. Select [Initialize]. 5. Select [Execute]. 6. Press the start key. Communication with the host initiated. 7. The result of communication will be displayed. (Refer to the result.) <p data-bbox="288 1328 632 1357">Method: [Call Service End]</p> <ol data-bbox="304 1361 1129 1462" style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. Communication with the host initiated. 3. The result of communication will be displayed. (Refer to the result.) <p data-bbox="336 1500 488 1529">Result table</p> <table border="1" data-bbox="336 1543 1399 1879"> <thead> <tr> <th data-bbox="336 1543 639 1588">Display</th> <th data-bbox="639 1543 1399 1588">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1588 639 1641">OK</td> <td data-bbox="639 1588 1399 1641">Communication properly terminated.</td> </tr> <tr> <td data-bbox="336 1641 639 1879" rowspan="4">NG</td> <td data-bbox="639 1641 1399 1686">Communication error (Nbr. of calls exceeded)</td> </tr> <tr> <td data-bbox="639 1686 1399 1731">Communication error (Communication timeout)</td> </tr> <tr> <td data-bbox="639 1731 1399 1776">Communication error (Communication trial timeout)</td> </tr> <tr> <td data-bbox="639 1776 1399 1879">Communication error (Other) KMAS unreachable</td> </tr> </tbody> </table> <p data-bbox="288 1926 440 1955">Completion</p> <p data-bbox="288 1960 1254 1989">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Init/Set TEL No.	Initialization/Phone Nbr. se	Call Service End	Outgoing at the end of service activities	Display	Description	TEL No. 1	Sales companies	TEL No. 2	Call center	Display	Description	OK	Communication properly terminated.	NG	Communication error (Nbr. of calls exceeded)	Communication error (Communication timeout)	Communication error (Communication trial timeout)	Communication error (Other) KMAS unreachable
Display	Description																					
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	Communication error (Other) KMAS unreachable																					

Item No.	Description																
U203	<p data-bbox="288 241 587 275">Checking DP operation</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1046 376">Simulates the original conveying operation separately in the DP.</p> <p data-bbox="288 383 400 412">Purpose</p> <p data-bbox="288 416 612 448">To check the DP operation.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="308 519 1083 618" style="list-style-type: none"> 1. Press the start key. 2. Place an original in the DP if running this simulation with paper. 3. Select the speed to be operated. <table border="1" data-bbox="336 631 1399 775"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Normal Speed</td> <td data-bbox="639 676 1399 721">Normal reading (600 dpi)</td> </tr> <tr> <td data-bbox="336 721 639 775">High Speed</td> <td data-bbox="639 721 1399 775">High-speed reading</td> </tr> </tbody> </table> <ol data-bbox="308 786 702 817" style="list-style-type: none"> 4. Select the item to be operated. <table border="1" data-bbox="336 831 1399 1137"> <thead> <tr> <th data-bbox="336 831 639 875">Display</th> <th data-bbox="639 831 1399 875">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 875 639 920">CCD ADP</td> <td data-bbox="639 875 1399 920">With paper, single-sided original of CCD</td> </tr> <tr> <td data-bbox="336 920 639 965">CIS</td> <td data-bbox="639 920 1399 965">With paper, double-sided original of CIS</td> </tr> <tr> <td data-bbox="336 965 639 1055">CCD ADP (Non-P)</td> <td data-bbox="639 965 1399 1055">Without paper, single-sided original of CCD (continuous operation)</td> </tr> <tr> <td data-bbox="336 1055 639 1137">CIS (Non-P)</td> <td data-bbox="639 1055 1399 1137">Without paper, double-sided original of CIS (continuous operation)</td> </tr> </tbody> </table> <ol data-bbox="308 1151 916 1216" style="list-style-type: none"> 5. Press the start key. The operation starts. 6. To stop continuous operation, press the stop key. <p data-bbox="288 1254 440 1283">Completion</p> <p data-bbox="288 1288 1254 1319">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Normal Speed	Normal reading (600 dpi)	High Speed	High-speed reading	Display	Description	CCD ADP	With paper, single-sided original of CCD	CIS	With paper, double-sided original of CIS	CCD ADP (Non-P)	Without paper, single-sided original of CCD (continuous operation)	CIS (Non-P)	Without paper, double-sided original of CIS (continuous operation)
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CCD ADP (Non-P)	Without paper, single-sided original of CCD (continuous operation)																
CIS (Non-P)	Without paper, double-sided original of CIS (continuous operation)																

Item No.	Description														
U204	<p data-bbox="288 244 1066 277">Setting the presence or absence of a key card or key counter</p> <p data-bbox="288 315 440 342">Description</p> <p data-bbox="288 349 1114 376">Sets the presence or absence of the optional key card or key counter.</p> <p data-bbox="288 383 400 409">Purpose</p> <p data-bbox="288 416 1099 443">To run this maintenance item if a key card or key counter is installed.</p> <p data-bbox="288 488 387 515">Method</p> <ol data-bbox="308 521 632 584" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 600 1401 741"> <thead> <tr> <th data-bbox="336 600 641 645">Display</th> <th data-bbox="641 600 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 641 689">Device</td> <td data-bbox="641 645 1401 689">Sets the presence or absence of the key card or key counter</td> </tr> <tr> <td data-bbox="336 689 641 741">Message</td> <td data-bbox="641 689 1401 741">Sets the message when optional equipment is not installed</td> </tr> </tbody> </table> <p data-bbox="288 786 504 813">Setting: [Device]</p> <ol data-bbox="308 819 831 846" style="list-style-type: none"> 1. Select the optional counter to be installed. <table border="1" data-bbox="336 864 1401 1055"> <thead> <tr> <th data-bbox="336 864 641 909">Display</th> <th data-bbox="641 864 1401 909">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 909 641 954">Key-Card</td> <td data-bbox="641 909 1401 954">The key card is installed</td> </tr> <tr> <td data-bbox="336 954 641 999">Key-Counter</td> <td data-bbox="641 954 1401 999">The key counter is installed</td> </tr> <tr> <td data-bbox="336 999 641 1055">Off</td> <td data-bbox="641 999 1401 1055">Not installed</td> </tr> </tbody> </table> <p data-bbox="336 1088 539 1115">Initial setting: Off</p> <ol data-bbox="308 1122 1378 1184" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="288 1229 552 1256">Setting: [MESSAGE]</p> <ol data-bbox="308 1263 1378 1357" style="list-style-type: none"> 1. Select the [Key Device] or [Coin Vender]. 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Device	Sets the presence or absence of the key card or key counter	Message	Sets the message when optional equipment is not installed	Display	Description	Key-Card	The key card is installed	Key-Counter	The key counter is installed	Off	Not installed
Display	Description														
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Item No.	Description																																
U206	<p data-bbox="288 241 919 271">Setting the presence or absence of a coin vender</p> <p data-bbox="288 309 440 338">Description</p> <p data-bbox="288 344 975 374">Sets the presence or absence of the optional coin vender.</p> <p data-bbox="288 380 1431 409">This is an optional device which is currently supported only by Japanese specification machines.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 452 962 481">To run this maintenance item if a coin vender is installed.</p> <p data-bbox="288 519 387 548">Method</p> <ol data-bbox="304 555 632 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 631 1399 871"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">On/Off Config</td> <td data-bbox="639 676 1399 721">Sets the presence or absence of the coin vender</td> </tr> <tr> <td data-bbox="336 721 639 766">No Coin Action</td> <td data-bbox="639 721 1399 766">Behavior when change runs out during copying</td> </tr> <tr> <td data-bbox="336 766 639 810">Price</td> <td data-bbox="639 766 1399 810">Charge per copy by size and color</td> </tr> <tr> <td data-bbox="336 810 639 855">Boot Mode</td> <td data-bbox="639 810 1399 855">Setting activation mode</td> </tr> </tbody> </table> <p data-bbox="288 920 592 949">Setting: [On/Off Config]</p> <ol data-bbox="304 956 536 985" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="336 999 1399 1142"> <thead> <tr> <th data-bbox="336 999 639 1043">Display</th> <th data-bbox="639 999 1399 1043">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1043 639 1088">On</td> <td data-bbox="639 1043 1399 1088">The coin vender is installed</td> </tr> <tr> <td data-bbox="336 1088 639 1133">Off</td> <td data-bbox="639 1088 1399 1133">The coin vender is not installed</td> </tr> </tbody> </table> <p data-bbox="336 1151 539 1180">Initial setting: Off</p> <ol data-bbox="304 1187 1378 1249" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="288 1288 611 1317">Setting: [No Coin Action]</p> <ol data-bbox="304 1323 520 1352" style="list-style-type: none"> 1. Select the item. <table border="1" data-bbox="336 1366 1399 1559"> <thead> <tr> <th data-bbox="336 1366 639 1411">Display</th> <th data-bbox="639 1366 1399 1411">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1411 639 1456">All Clear</td> <td data-bbox="639 1411 1399 1456">All clear is performed</td> </tr> <tr> <td data-bbox="336 1456 639 1500">Auto Clear</td> <td data-bbox="639 1456 1399 1500">Auto clear is performed</td> </tr> <tr> <td data-bbox="336 1500 639 1545">Off</td> <td data-bbox="639 1500 1399 1545">Clear is not performed</td> </tr> </tbody> </table> <p data-bbox="336 1568 539 1597">Initial setting: Off</p> <ol data-bbox="304 1603 1378 1666" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="288 1704 483 1733">Setting: [Price]</p> <ol data-bbox="304 1740 627 1769" style="list-style-type: none"> 1. Select the item to be set <table border="1" data-bbox="336 1783 1399 1975"> <thead> <tr> <th data-bbox="336 1783 639 1827">Display</th> <th data-bbox="639 1783 1399 1827">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1827 639 1872">Normal</td> <td data-bbox="639 1827 1399 1872">Charge setting: Normal</td> </tr> <tr> <td data-bbox="336 1872 639 1917">AD</td> <td data-bbox="639 1872 1399 1917">Charge setting: Commercial</td> </tr> <tr> <td data-bbox="336 1917 639 1962">Print</td> <td data-bbox="639 1917 1399 1962">Charge setting: Print</td> </tr> </tbody> </table>	Display	Description	On/Off Config	Sets the presence or absence of the coin vender	No Coin Action	Behavior when change runs out during copying	Price	Charge per copy by size and color	Boot Mode	Setting activation mode	Display	Description	On	The coin vender is installed	Off	The coin vender is not installed	Display	Description	All Clear	All clear is performed	Auto Clear	Auto clear is performed	Off	Clear is not performed	Display	Description	Normal	Charge setting: Normal	AD	Charge setting: Commercial	Print	Charge setting: Print
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Item No.	Description																																																						
U206	<p data-bbox="288 241 571 275">Setting: [Normal / AD]</p> <p data-bbox="288 277 632 311">1. Select the item to be set.</p> <table border="1" data-bbox="336 320 1401 416"> <thead> <tr> <th data-bbox="336 320 639 365">Display</th> <th data-bbox="639 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 639 416">B/W</td> <td data-bbox="639 365 1401 416">Black & White</td> </tr> </tbody> </table> <p data-bbox="288 432 703 465">2. Select the paper size to be set.</p> <p data-bbox="288 468 858 501">3. Change the setting value using the +/- keys.</p> <table border="1" data-bbox="336 510 1401 784"> <thead> <tr> <th data-bbox="336 510 564 589">Display</th> <th data-bbox="564 510 1034 589">Description</th> <th data-bbox="1034 510 1219 589">Setting range</th> <th data-bbox="1219 510 1401 589">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 589 564 633">A3-Ledger</td> <td data-bbox="564 589 1034 633">A3/Ledger size</td> <td data-bbox="1034 589 1219 633">0 to 300</td> <td data-bbox="1219 589 1401 633">10</td> </tr> <tr> <td data-bbox="336 633 564 678">B4</td> <td data-bbox="564 633 1034 678">B4 size</td> <td data-bbox="1034 633 1219 678">0 to 300</td> <td data-bbox="1219 633 1401 678">10</td> </tr> <tr> <td data-bbox="336 678 564 723">Card</td> <td data-bbox="564 678 1034 723">Post card</td> <td data-bbox="1034 678 1219 723">0 to 300</td> <td data-bbox="1219 678 1401 723">10</td> </tr> <tr> <td data-bbox="336 723 564 784">Other</td> <td data-bbox="564 723 1034 784">Other</td> <td data-bbox="1034 723 1219 784">0 to 300</td> <td data-bbox="1219 723 1401 784">10</td> </tr> </tbody> </table> <p data-bbox="336 792 587 826">In 10-yen increments</p> <p data-bbox="336 828 1209 862">Value of 0 allows non-restricted copying. (At a periodic maintenance, etc.)</p> <p data-bbox="288 864 767 898">4. Press the start key. The value is set.</p> <p data-bbox="288 900 1378 934">5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.</p> <p data-bbox="288 965 480 999">Setting: [Print]</p> <p data-bbox="288 1001 520 1034">1. Select the item.</p> <table border="1" data-bbox="336 1043 1401 1140"> <thead> <tr> <th data-bbox="336 1043 639 1088">Display</th> <th data-bbox="639 1043 1401 1088">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1088 639 1140">B/W</td> <td data-bbox="639 1088 1401 1140">Black & White</td> </tr> </tbody> </table> <p data-bbox="288 1158 703 1191">2. Select the paper size to be set.</p> <p data-bbox="288 1193 858 1227">3. Change the setting value using the +/- keys.</p> <table border="1" data-bbox="336 1236 1361 1476"> <thead> <tr> <th data-bbox="336 1236 564 1281">Display</th> <th data-bbox="564 1236 943 1281">Description</th> <th data-bbox="943 1236 1150 1281">Setting range</th> <th data-bbox="1150 1236 1361 1281">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1281 564 1326">A3-Ledger</td> <td data-bbox="564 1281 943 1326">A3/Ledger size</td> <td data-bbox="943 1281 1150 1326">0 to 300</td> <td data-bbox="1150 1281 1361 1326">10</td> </tr> <tr> <td data-bbox="336 1326 564 1370">B4</td> <td data-bbox="564 1326 943 1370">B4 size</td> <td data-bbox="943 1326 1150 1370">0 to 300</td> <td data-bbox="1150 1326 1361 1370">10</td> </tr> <tr> <td data-bbox="336 1370 564 1415">Card</td> <td data-bbox="564 1370 943 1415">Post card</td> <td data-bbox="943 1370 1150 1415">0 to 300</td> <td data-bbox="1150 1370 1361 1415">10</td> </tr> <tr> <td data-bbox="336 1415 564 1476">Other</td> <td data-bbox="564 1415 943 1476">Other</td> <td data-bbox="943 1415 1150 1476">0 to 300</td> <td data-bbox="1150 1415 1361 1476">10</td> </tr> </tbody> </table> <p data-bbox="336 1494 587 1527">In 10-yen increments</p> <p data-bbox="336 1529 1209 1563">Value of 0 allows non-restricted copying. (At a periodic maintenance, etc.)</p> <p data-bbox="288 1594 555 1628">Setting: [Boot Mode]</p> <p data-bbox="288 1630 520 1664">1. Select the item.</p> <table border="1" data-bbox="336 1673 1401 1821"> <thead> <tr> <th data-bbox="336 1673 639 1718">Display</th> <th data-bbox="639 1673 1401 1718">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1718 639 1762">Normal</td> <td data-bbox="639 1718 1401 1762">Assign activation to normal mode.</td> </tr> <tr> <td data-bbox="336 1762 639 1821">Copy Service</td> <td data-bbox="639 1762 1401 1821">Assign activation to copy service display.</td> </tr> </tbody> </table> <p data-bbox="336 1839 660 1872">Initial setting: Copy Service</p> <p data-bbox="288 1874 783 1908">2. Press the start key. The setting is set.</p> <p data-bbox="288 1939 440 1973">Completion</p> <p data-bbox="288 1975 1254 2009">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	B/W	Black & White	Display	Description	Setting range	Initial setting	A3-Ledger	A3/Ledger size	0 to 300	10	B4	B4 size	0 to 300	10	Card	Post card	0 to 300	10	Other	Other	0 to 300	10	Display	Description	B/W	Black & White	Display	Description	Setting range	Initial setting	A3-Ledger	A3/Ledger size	0 to 300	10	B4	B4 size	0 to 300	10	Card	Post card	0 to 300	10	Other	Other	0 to 300	10	Display	Description	Normal	Assign activation to normal mode.	Copy Service	Assign activation to copy service display.
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Item No.	Description
U207	<p>Checking the operation panel keys</p> <p>Description Checks operation of the operation panel keys.</p> <p>Purpose To check operation of all the keys and LEDs on the operation panel.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The screen for executing is displayed. 2. [Count0] is displayed and the left most LED on the operation panel lights. 3. As the keys lined up in the same line as the lit indicator are pressed in the order from the top to the bottom, the figure shown on the touch panel increases in increments of 1. When all the keys in that line are pressed and if there are any LEDs corresponding to the keys in the line on the immediate right, the top LED in that line will light. 4. When all the keys on the operation panel have been pressed, all the LEDs light for up to 10 seconds. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>
U208	<p>Setting the paper size for the side deck</p> <p>Description Sets the size of paper used in side deck.</p> <p>Purpose To change the setting when installing the side deck or the size of paper used in the side deck is changed.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the paper size (A4, B5 or Letter). Initial setting: Letter (Inch specifications) A4 (Metric specifications) 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.

Item No.	Description						
U221	<p>Setting the USB host lock function</p> <p>Description Specifies ON/OFF the USB host lock function. Setting this to ON causes the machine to be unable to recognize the device connected to the USB host.</p> <p>Purpose Set according to the preference of the user.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Host Lock]. 3. Select On or Off. <table border="1" data-bbox="336 667 1401 808"> <thead> <tr> <th data-bbox="336 667 639 712">Display</th> <th data-bbox="639 667 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 757">On</td> <td data-bbox="639 712 1401 757">USB host lock function ON</td> </tr> <tr> <td data-bbox="336 757 639 808">Off</td> <td data-bbox="639 757 1401 808">USB host lock function OFF</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	On	USB host lock function ON	Off	USB host lock function OFF
Display	Description						
On	USB host lock function ON						
Off	USB host lock function OFF						
U222	<p>Setting the IC card type</p> <p>Description Sets the type of IC card.</p> <p>Purpose To change the type of IC card.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 1290 1401 1431"> <thead> <tr> <th data-bbox="336 1290 639 1335">Display</th> <th data-bbox="639 1290 1401 1335">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1335 639 1379">Other</td> <td data-bbox="639 1335 1401 1379">The type of IC card is SSFC</td> </tr> <tr> <td data-bbox="336 1379 639 1431">SSFC</td> <td data-bbox="639 1379 1401 1431">The type of IC card is not SSFC</td> </tr> </tbody> </table> <p>Initial setting: Other</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Other	The type of IC card is SSFC	SSFC	The type of IC card is not SSFC
Display	Description						
Other	The type of IC card is SSFC						
SSFC	The type of IC card is not SSFC						

Item No.	Description																																			
U223	<p data-bbox="288 241 558 275">Operation panel lock</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 745 374">Sets the operation panel lock function.</p> <p data-bbox="288 383 400 412">Purpose</p> <p data-bbox="288 416 1382 479">This is performed to inhibit operating and canceling the system menu on the operation panel which may be done by others then an administrator.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 555 564 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1401 824"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Unlock</td> <td data-bbox="639 676 1401 721">Release the lock of the operation from the system menu</td> </tr> <tr> <td data-bbox="336 721 639 766">Partial Lock</td> <td data-bbox="639 721 1401 766">Lock the operation from the system menu</td> </tr> <tr> <td data-bbox="336 766 639 810">Lock</td> <td data-bbox="639 766 1401 810">Lock the operation from the system menu and job cancel</td> </tr> </tbody> </table> <p data-bbox="336 837 584 866">Initial setting: Unlock</p> <ol data-bbox="304 871 782 900" style="list-style-type: none"> 3. Press the start key. The setting is set. <table border="1" data-bbox="336 947 1248 1413"> <thead> <tr> <th data-bbox="336 947 793 992">Item</th> <th data-bbox="793 947 1019 992">Partial Lock</th> <th data-bbox="1019 947 1248 992">Lock</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 992 793 1037">Entering maintenance mode</td> <td data-bbox="793 992 1019 1037">Prohibited</td> <td data-bbox="1019 992 1248 1037">Prohibited</td> </tr> <tr> <td data-bbox="336 1037 793 1081">Entering system menu</td> <td data-bbox="793 1037 1019 1081">Prohibited</td> <td data-bbox="1019 1037 1248 1081">Prohibited</td> </tr> <tr> <td data-bbox="336 1081 793 1171">Transmission/transmission from document boxes</td> <td data-bbox="793 1081 1019 1171">Prohibited</td> <td data-bbox="1019 1081 1248 1171">Prohibited</td> </tr> <tr> <td data-bbox="336 1171 793 1216">Entering Addressbook Add/Edit</td> <td data-bbox="793 1171 1019 1216">Prohibited</td> <td data-bbox="1019 1171 1248 1216">Prohibited</td> </tr> <tr> <td data-bbox="336 1216 793 1261">Entering Document box Add/Edit</td> <td data-bbox="793 1216 1019 1261">Prohibited</td> <td data-bbox="1019 1216 1248 1261">Prohibited</td> </tr> <tr> <td data-bbox="336 1261 793 1305">Pressing Stop key</td> <td data-bbox="793 1261 1019 1305">Permitted</td> <td data-bbox="1019 1261 1248 1305">Prohibited</td> </tr> <tr> <td data-bbox="336 1305 793 1350">Pressing Status/Job Cancel</td> <td data-bbox="793 1305 1019 1350">Permitted</td> <td data-bbox="1019 1305 1248 1350">Prohibited</td> </tr> <tr> <td data-bbox="336 1350 793 1413">Disconnecting FAX lines</td> <td data-bbox="793 1350 1019 1413">Permitted</td> <td data-bbox="1019 1350 1248 1413">Prohibited</td> </tr> </tbody> </table> <p data-bbox="288 1458 440 1487">Completion</p> <p data-bbox="288 1491 1254 1520">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Unlock	Release the lock of the operation from the system menu	Partial Lock	Lock the operation from the system menu	Lock	Lock the operation from the system menu and job cancel	Item	Partial Lock	Lock	Entering maintenance mode	Prohibited	Prohibited	Entering system menu	Prohibited	Prohibited	Transmission/transmission from document boxes	Prohibited	Prohibited	Entering Addressbook Add/Edit	Prohibited	Prohibited	Entering Document box Add/Edit	Prohibited	Prohibited	Pressing Stop key	Permitted	Prohibited	Pressing Status/Job Cancel	Permitted	Prohibited	Disconnecting FAX lines	Permitted	Prohibited
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Item No.	Description																																									
U224	<p data-bbox="288 241 574 271">Panel sheet extension</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1426 409">Changes the image data and the message of the opening screen at the machine startup and the image data and the message of the service call screen to user specified data.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 805 477">Set according to the preference of the user.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 551 1082 752" style="list-style-type: none"> 1. Write the image data or the message data to the USB memory. 2. Insert USB memory in USB memory slot of the machine. 3. Turn the main power switch on. 4. Enter the maintenance item. 5. Press the start key. 6. Select the [Install] or [UnInstall]. <table border="1" data-bbox="336 768 1401 913"> <thead> <tr> <th data-bbox="336 768 639 813">Display</th> <th data-bbox="639 768 1401 813">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 813 639 857">Install</td> <td data-bbox="639 813 1401 857">Installs the image data or the message data</td> </tr> <tr> <td data-bbox="336 857 639 913">UnInstall</td> <td data-bbox="639 857 1401 913">Restores the original image data or message data</td> </tr> </tbody> </table> <ol data-bbox="304 925 520 954" style="list-style-type: none"> 7. Select the item. <table border="1" data-bbox="336 969 1401 1207"> <thead> <tr> <th data-bbox="336 969 564 1014">Display</th> <th data-bbox="564 969 908 1014">Description</th> <th data-bbox="908 969 1401 1014">Display area</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1014 564 1059">Opening Img</td> <td data-bbox="564 1014 908 1059">Startup screen</td> <td data-bbox="908 1014 1401 1059">Entire start display</td> </tr> <tr> <td data-bbox="336 1059 564 1104">Call Img</td> <td data-bbox="564 1059 908 1104">Service call screen</td> <td data-bbox="908 1059 1401 1104">Graphic display area</td> </tr> <tr> <td data-bbox="336 1104 564 1149">Call Msg Top</td> <td data-bbox="564 1104 908 1149">Service call message 1</td> <td data-bbox="908 1104 1401 1149">Message display area (top)</td> </tr> <tr> <td data-bbox="336 1149 564 1207">Call Msg Detail</td> <td data-bbox="564 1149 908 1207">Service call message 2</td> <td data-bbox="908 1149 1401 1207">Message display area (descriptive area)</td> </tr> </tbody> </table> <ol data-bbox="304 1218 1015 1283" style="list-style-type: none"> 8. Press the start key. Installation or uninstallation is started. 9. When normally completed, [OK] is displayed. <p data-bbox="288 1323 464 1352">Supplement 1</p> <p data-bbox="336 1357 539 1386">File information</p> <table border="1" data-bbox="336 1402 1401 1778"> <thead> <tr> <th data-bbox="336 1402 564 1447">Description</th> <th data-bbox="564 1402 927 1447">File name</th> <th data-bbox="927 1402 1233 1447">Image size (in pixels)</th> <th data-bbox="1233 1402 1401 1447">File format</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1447 564 1532">Startup screen</td> <td data-bbox="564 1447 927 1532">opening_ext_image.png</td> <td data-bbox="927 1447 1233 1532">Length: 480 Width : 800</td> <td data-bbox="1233 1447 1401 1532">PNG</td> </tr> <tr> <td data-bbox="336 1532 564 1617">Service call screen</td> <td data-bbox="564 1532 927 1617">callwin_ext_image.png</td> <td data-bbox="927 1532 1233 1617">Length: 200 Width : 180</td> <td data-bbox="1233 1532 1401 1617">PNG</td> </tr> <tr> <td data-bbox="336 1617 564 1700">Service call message 1</td> <td data-bbox="564 1617 927 1700">callwin_ext_mes_top.txt</td> <td data-bbox="927 1617 1233 1700">-</td> <td data-bbox="1233 1617 1401 1700">TEXT (Unicode)</td> </tr> <tr> <td data-bbox="336 1700 564 1778">Service call message 2</td> <td data-bbox="564 1700 927 1778">callwin_ext_mes_detail.txt</td> <td data-bbox="927 1700 1233 1778">-</td> <td data-bbox="1233 1700 1401 1778">TEXT (Unicode)</td> </tr> </tbody> </table>	Display	Description	Install	Installs the image data or the message data	UnInstall	Restores the original image data or message data	Display	Description	Display area	Opening Img	Startup screen	Entire start display	Call Img	Service call screen	Graphic display area	Call Msg Top	Service call message 1	Message display area (top)	Call Msg Detail	Service call message 2	Message display area (descriptive area)	Description	File name	Image size (in pixels)	File format	Startup screen	opening_ext_image.png	Length: 480 Width : 800	PNG	Service call screen	callwin_ext_image.png	Length: 200 Width : 180	PNG	Service call message 1	callwin_ext_mes_top.txt	-	TEXT (Unicode)	Service call message 2	callwin_ext_mes_detail.txt	-	TEXT (Unicode)
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Item No.	Description										
U224	<p>Supplement 2</p> <p>Displaying start display The pre-installed graphics file is displayed at power on or recovering from sleeping.</p> <p>Graphics display on service call display The pre-installed graphics file is displayed at a service call.</p> <p>How to change the message Entering #562 (4 letters) using the numeric keypad during a service call display will let service call messages 1 and 2.</p> <p>How to reset the message display Reverting the maintenance mode will automatically reset the message to the previous.</p> <p>Caution The graphics file for start display must be opaque. (To avoid the background from overlapping at recovering from sleeping.) The total size of the files installable is approximately 1.8 MB.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>										
U234	<p>Setting punch destination</p> <p>Description Sets the destination of punch unit of 4000-sheet finisher.</p> <p>Purpose To be set when installing a different punch unit from the destination of the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1" data-bbox="336 1234 1401 1473"> <thead> <tr> <th data-bbox="336 1234 639 1279">Display</th> <th data-bbox="639 1234 1401 1279">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1279 639 1323">Auto</td> <td data-bbox="639 1279 1401 1323">Conforms to destination settings.</td> </tr> <tr> <td data-bbox="336 1323 639 1368">Japan Metric</td> <td data-bbox="639 1323 1401 1368">Metric (Japan) specifications</td> </tr> <tr> <td data-bbox="336 1368 639 1413">Inch</td> <td data-bbox="639 1368 1401 1413">Inch (North America) specifications</td> </tr> <tr> <td data-bbox="336 1413 639 1458">Europe Metric</td> <td data-bbox="639 1413 1401 1458">Metric (Europe) specifications</td> </tr> </tbody> </table> <p>Initial setting: Inch (Inch specifications)/Europe Metric (Metric specifications)</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Auto	Conforms to destination settings.	Japan Metric	Metric (Japan) specifications	Inch	Inch (North America) specifications	Europe Metric	Metric (Europe) specifications
Display	Description										
Auto	Conforms to destination settings.										
Japan Metric	Metric (Japan) specifications										
Inch	Inch (North America) specifications										
Europe Metric	Metric (Europe) specifications										

Item No.	Description																		
U237	<p data-bbox="288 241 675 275">Setting finisher stack quantity</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1414 409">Sets the number of sheets of each stack on the main tray and on the middle tray in 4000-sheet finisher.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1023 479">To change the setting when a stack malfunction has occurred.</p> <p data-bbox="288 515 387 544">Method</p> <ol data-bbox="304 551 632 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 629 1401 775"> <thead> <tr> <th data-bbox="336 629 639 674">Display</th> <th data-bbox="639 629 1401 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 639 719">Main Tray</td> <td data-bbox="639 674 1401 719">Number of sheets of stack on the main tray</td> </tr> <tr> <td data-bbox="336 719 639 775">Middle Tray</td> <td data-bbox="639 719 1401 775">Number of sheets of stack on the middle tray for staple mode</td> </tr> </tbody> </table> <p data-bbox="288 819 541 851">Setting: [Main Tray]</p> <ol data-bbox="304 855 983 887" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 898 1401 1043"> <thead> <tr> <th data-bbox="336 898 639 943">Display</th> <th data-bbox="639 898 1401 943">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 943 639 987">0</td> <td data-bbox="639 943 1401 987">Number of sheets of stack on the main tray: 4000 sheets</td> </tr> <tr> <td data-bbox="336 987 639 1043">1</td> <td data-bbox="639 987 1401 1043">Number of sheets of stack on the main tray: 1500 sheets</td> </tr> </tbody> </table> <p data-bbox="336 1055 517 1086">Initial setting: 0</p> <ol data-bbox="304 1090 1378 1155" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="288 1191 564 1223">Setting: [Middle Tray]</p> <ol data-bbox="304 1227 983 1258" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1270 1401 1485"> <thead> <tr> <th data-bbox="336 1270 639 1314">Display</th> <th data-bbox="639 1270 1401 1314">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1314 639 1404">0</td> <td data-bbox="639 1314 1401 1404">Number of sheets of stack on the middle tray for staple mode: 65 sheets</td> </tr> <tr> <td data-bbox="336 1404 639 1485">1</td> <td data-bbox="639 1404 1401 1485">Number of sheets of stack on the middle tray for staple mode: 30 sheets</td> </tr> </tbody> </table> <p data-bbox="336 1496 517 1527">Initial setting: 0</p> <p data-bbox="336 1532 1278 1563">Number of sheets of stack on the internal tray for non-staple copying: 10 sheets</p> <ol data-bbox="304 1568 1378 1632" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Main Tray	Number of sheets of stack on the main tray	Middle Tray	Number of sheets of stack on the middle tray for staple mode	Display	Description	0	Number of sheets of stack on the main tray: 4000 sheets	1	Number of sheets of stack on the main tray: 1500 sheets	Display	Description	0	Number of sheets of stack on the middle tray for staple mode: 65 sheets	1	Number of sheets of stack on the middle tray for staple mode: 30 sheets
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U240	<p data-bbox="288 241 775 275">Checking the operation of the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 979 374">Turns each motor and solenoid of 4000-sheet finisher ON.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1161 443">To check the operation of each motor and solenoid of 4000-sheet finisher.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 695 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1" data-bbox="336 598 1401 837"> <thead> <tr> <th data-bbox="336 598 639 642">Display</th> <th data-bbox="639 598 1401 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 642 639 687">Motor</td> <td data-bbox="639 642 1401 687">Checking the motor of the document finisher</td> </tr> <tr> <td data-bbox="336 687 639 732">Solenoid</td> <td data-bbox="639 687 1401 732">Checking the solenoid of the document finisher</td> </tr> <tr> <td data-bbox="336 732 639 777">Mail Box</td> <td data-bbox="639 732 1401 777">Checking the motor of the mailbox</td> </tr> <tr> <td data-bbox="336 777 639 837">Booklet</td> <td data-bbox="639 777 1401 837">Checking the motor of the center-folding unit</td> </tr> </tbody> </table> <p data-bbox="288 848 496 878">Method: [Motor]</p> <ol data-bbox="304 882 815 945" style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1" data-bbox="336 960 1401 2029"> <thead> <tr> <th data-bbox="336 960 639 1005">Display</th> <th data-bbox="639 960 1401 1005">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1005 639 1050">Feed In(H)</td> <td data-bbox="639 1005 1401 1050">DF paper entry motor (DFPEM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1050 639 1095">Feed In(L)</td> <td data-bbox="639 1050 1401 1095">DF paper entry motor (DFPEM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1095 639 1140">Middle(H)</td> <td data-bbox="639 1095 1401 1140">DF middle motor (DFMM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1140 639 1184">Middle(L)</td> <td data-bbox="639 1140 1401 1184">DF middle motor (DFMM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1184 639 1229">Eject(H)</td> <td data-bbox="639 1184 1401 1229">DF eject motor (DFEM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1229 639 1274">Eject(L)</td> <td data-bbox="639 1229 1401 1274">DF eject motor (DFEM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1274 639 1319">Save(H)</td> <td data-bbox="639 1274 1401 1319">DF drum motor (DFDRM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1319 639 1364">Save(L)</td> <td data-bbox="639 1319 1401 1364">DF drum motor (DFDRM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1364 639 1603">Tray</td> <td data-bbox="639 1364 1401 1603">DF tray motor (DFTM) is turned on Operating sequences: Ascends after descending to the bottom limit; descends again in one second after the intermediate sensor is detected to be off; ascends again after the intermediate sensor is detected to be on; then halts at the top limit</td> </tr> <tr> <td data-bbox="336 1603 639 1648">Staple Move</td> <td data-bbox="639 1603 1401 1648">DF slide motor (DFSLM) is turned on</td> </tr> <tr> <td data-bbox="336 1648 639 1693">Staple</td> <td data-bbox="639 1648 1401 1693">DF staple motor (DFSTM) is turned on</td> </tr> <tr> <td data-bbox="336 1693 639 1738">Width Test(A3)</td> <td data-bbox="639 1693 1401 1738">DF side registration motor 1, 2 (DFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1738 639 1783">Width Test(LD)</td> <td data-bbox="639 1738 1401 1783">DF side registration motor 1, 2 (DFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1783 639 1827">Beat</td> <td data-bbox="639 1783 1401 1827">DF paddle motor (DFPDM) is turned on</td> </tr> <tr> <td data-bbox="336 1827 639 1872">Eject Unlock(HP)</td> <td data-bbox="639 1827 1401 1872">DF eject release motor (DFERM) is turned on to home position</td> </tr> <tr> <td data-bbox="336 1872 639 1917">Sort Test</td> <td data-bbox="639 1872 1401 1917">DF shift motor 1, 2 (DFSFM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1917 639 1962">Eject Unlock(30)</td> <td data-bbox="639 1917 1401 1962">DF eject release motor (DFERM) drive position 30-sheet stack</td> </tr> <tr> <td data-bbox="336 1962 639 2029">Eject Unlock(50)</td> <td data-bbox="639 1962 1401 2029">DF eject release motor (DFERM) drive position 50-sheet stack</td> </tr> </tbody> </table>	Display	Description	Motor	Checking the motor of the document finisher	Solenoid	Checking the solenoid of the document finisher	Mail Box	Checking the motor of the mailbox	Booklet	Checking the motor of the center-folding unit	Display	Description	Feed In(H)	DF paper entry motor (DFPEM) is turned on at high speed	Feed In(L)	DF paper entry motor (DFPEM) is turned on at low speed	Middle(H)	DF middle motor (DFMM) is turned on at high speed	Middle(L)	DF middle motor (DFMM) is turned on at low speed	Eject(H)	DF eject motor (DFEM) is turned on at high speed	Eject(L)	DF eject motor (DFEM) is turned on at low speed	Save(H)	DF drum motor (DFDRM) is turned on at high speed	Save(L)	DF drum motor (DFDRM) is turned on at low speed	Tray	DF tray motor (DFTM) is turned on Operating sequences: Ascends after descending to the bottom limit; descends again in one second after the intermediate sensor is detected to be off; ascends again after the intermediate sensor is detected to be on; then halts at the top limit	Staple Move	DF slide motor (DFSLM) is turned on	Staple	DF staple motor (DFSTM) is turned on	Width Test(A3)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on	Width Test(LD)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on	Beat	DF paddle motor (DFPDM) is turned on	Eject Unlock(HP)	DF eject release motor (DFERM) is turned on to home position	Sort Test	DF shift motor 1, 2 (DFSFM1, 2) is turned on	Eject Unlock(30)	DF eject release motor (DFERM) drive position 30-sheet stack	Eject Unlock(50)	DF eject release motor (DFERM) drive position 50-sheet stack
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Save(H)	DF drum motor (DFDRM) is turned on at high speed																																																
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Tray	DF tray motor (DFTM) is turned on Operating sequences: Ascends after descending to the bottom limit; descends again in one second after the intermediate sensor is detected to be off; ascends again after the intermediate sensor is detected to be on; then halts at the top limit																																																
Staple Move	DF slide motor (DFSLM) is turned on																																																
Staple	DF staple motor (DFSTM) is turned on																																																
Width Test(A3)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on																																																
Width Test(LD)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on																																																
Beat	DF paddle motor (DFPDM) is turned on																																																
Eject Unlock(HP)	DF eject release motor (DFERM) is turned on to home position																																																
Sort Test	DF shift motor 1, 2 (DFSFM1, 2) is turned on																																																
Eject Unlock(30)	DF eject release motor (DFERM) drive position 30-sheet stack																																																
Eject Unlock(50)	DF eject release motor (DFERM) drive position 50-sheet stack																																																

Item No.	Description																																														
U240	<table border="1" data-bbox="336 286 1401 524"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 639 376">Eject Unlock(Fix)</td> <td data-bbox="639 331 1401 376">DF eject release motor (DFERM) fixed drive position</td> </tr> <tr> <td data-bbox="336 376 639 421">Eject Unlock(Full)</td> <td data-bbox="639 376 1401 421">DF eject release motor (DFERM) full-open drive position</td> </tr> <tr> <td data-bbox="336 421 639 465">Punch</td> <td data-bbox="639 421 1401 465">Punch motor (PUM) is turned on</td> </tr> <tr> <td data-bbox="336 465 639 524">Punch Move</td> <td data-bbox="639 465 1401 524">Punch slide motor (PUSLM) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 600 533 629">Method: [Solenoid]</p> <ol data-bbox="304 636 815 696" style="list-style-type: none"> <li data-bbox="304 636 699 665">1. Select the item to be operated. <li data-bbox="304 669 815 696">2. Press the start key. The operation starts. <table border="1" data-bbox="336 712 1401 1001"> <thead> <tr> <th data-bbox="336 712 639 757">Display</th> <th data-bbox="639 712 1401 757">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 757 639 801">Sub Tray</td> <td data-bbox="639 757 1401 801">DF feedshift solenoid (DFFSSOL) is turned on</td> </tr> <tr> <td data-bbox="336 801 639 846">Save Drum</td> <td data-bbox="639 801 1401 846">DF drum solenoid (DFDRSOL) is turned on</td> </tr> <tr> <td data-bbox="336 846 639 891">Booklet</td> <td data-bbox="639 846 1401 891">DF center fold solenoid (DFCFSOL) is turned on</td> </tr> <tr> <td data-bbox="336 891 639 936">Punch</td> <td data-bbox="639 891 1401 936">Punch solenoid (PUSOL) is turned on</td> </tr> <tr> <td data-bbox="336 936 639 1001">Three Fold</td> <td data-bbox="639 936 1401 1001">CF feedshift solenoid (CFFSSOL) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 1048 533 1077">Method: [Mail Box]</p> <ol data-bbox="304 1084 815 1144" style="list-style-type: none"> <li data-bbox="304 1084 699 1113">1. Select the item to be operated. <li data-bbox="304 1117 815 1144">2. Press the start key. The operation starts. <table border="1" data-bbox="336 1160 1401 1301"> <thead> <tr> <th data-bbox="336 1160 564 1205">Display</th> <th data-bbox="564 1160 1401 1205">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1205 564 1249">Conv</td> <td data-bbox="564 1205 1401 1249">Mailbox drive motor (MBDM) is turned on at paper conveying</td> </tr> <tr> <td data-bbox="336 1249 564 1301">Branch</td> <td data-bbox="564 1249 1401 1301">Mailbox drive motor (MBDM) is turned on at feedshift operation</td> </tr> </tbody> </table> <p data-bbox="288 1348 517 1377">Method: [Booklet]</p> <ol data-bbox="304 1384 815 1444" style="list-style-type: none"> <li data-bbox="304 1384 699 1413">1. Select the item to be operated. <li data-bbox="304 1417 815 1444">2. Press the start key. The operation starts. <table border="1" data-bbox="336 1460 1401 1892"> <thead> <tr> <th data-bbox="336 1460 639 1505">Display</th> <th data-bbox="639 1460 1401 1505">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1505 639 1550">Folding</td> <td data-bbox="639 1505 1401 1550">CF main motor (CFMM) is turned on</td> </tr> <tr> <td data-bbox="336 1550 639 1594">Blade</td> <td data-bbox="639 1550 1401 1594">CF blade motor (CFBM) is turned on</td> </tr> <tr> <td data-bbox="336 1594 639 1639">Bundle Up</td> <td data-bbox="639 1594 1401 1639">CF adjustment motor 2 (CFADM2) is turned on</td> </tr> <tr> <td data-bbox="336 1639 639 1684">Bundle Down</td> <td data-bbox="639 1639 1401 1684">CF adjustment motor 1 (CFADM1) is turned on</td> </tr> <tr> <td data-bbox="336 1684 639 1729">Staple</td> <td data-bbox="639 1684 1401 1729">CF staple motor (CFSTM) is turned on</td> </tr> <tr> <td data-bbox="336 1729 639 1774">Width Test(A3)</td> <td data-bbox="639 1729 1401 1774">CF side registration motor 1, 2 (CFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1774 639 1818">Width Test(LD)</td> <td data-bbox="639 1774 1401 1818">CF side registration motor 1, 2 (CFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1818 639 1892">Feed In</td> <td data-bbox="639 1818 1401 1892">CF paper entry motor (CFPEM) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 1939 437 1968">Completion</p> <p data-bbox="288 1975 1251 2004">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Eject Unlock(Fix)	DF eject release motor (DFERM) fixed drive position	Eject Unlock(Full)	DF eject release motor (DFERM) full-open drive position	Punch	Punch motor (PUM) is turned on	Punch Move	Punch slide motor (PUSLM) is turned on	Display	Description	Sub Tray	DF feedshift solenoid (DFFSSOL) is turned on	Save Drum	DF drum solenoid (DFDRSOL) is turned on	Booklet	DF center fold solenoid (DFCFSOL) is turned on	Punch	Punch solenoid (PUSOL) is turned on	Three Fold	CF feedshift solenoid (CFFSSOL) is turned on	Display	Description	Conv	Mailbox drive motor (MBDM) is turned on at paper conveying	Branch	Mailbox drive motor (MBDM) is turned on at feedshift operation	Display	Description	Folding	CF main motor (CFMM) is turned on	Blade	CF blade motor (CFBM) is turned on	Bundle Up	CF adjustment motor 2 (CFADM2) is turned on	Bundle Down	CF adjustment motor 1 (CFADM1) is turned on	Staple	CF staple motor (CFSTM) is turned on	Width Test(A3)	CF side registration motor 1, 2 (CFSRM1, 2) is turned on	Width Test(LD)	CF side registration motor 1, 2 (CFSRM1, 2) is turned on	Feed In	CF paper entry motor (CFPEM) is turned on
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U241	<p data-bbox="288 241 976 275">Checking the operation of the switches of the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1145 374">Displays the status of each switches and sensors of 4000-sheet finisher.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1190 443">To check the operation of each switches and sensors of 4000-sheet finisher.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="308 519 695 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1" data-bbox="336 595 1401 837"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Finisher</td> <td data-bbox="639 640 1401 685">Checking the switch and sensor of the document finisher</td> </tr> <tr> <td data-bbox="336 685 639 730">Mail Box</td> <td data-bbox="639 685 1401 730">Checking the switch and sensor of the mailbox</td> </tr> <tr> <td data-bbox="336 730 639 775">Booklet</td> <td data-bbox="639 730 1401 775">Checking the switch and sensor of the center-folding unit</td> </tr> <tr> <td data-bbox="336 775 639 837">Punch</td> <td data-bbox="639 775 1401 837">Checking the switch and sensor of the punch unit</td> </tr> </tbody> </table> <p data-bbox="288 882 526 911">Method: [Finisher]</p> <ol data-bbox="308 916 1398 1014" style="list-style-type: none"> 1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1" data-bbox="336 1028 1401 1890"> <thead> <tr> <th data-bbox="336 1028 639 1072">Display</th> <th data-bbox="639 1028 1401 1072">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1072 639 1117">Front Cover</td> <td data-bbox="639 1072 1401 1117">DF front cover switch (DFFCSW)</td> </tr> <tr> <td data-bbox="336 1117 639 1162">MPT</td> <td data-bbox="639 1117 1401 1162">DF eject cover switch (DFECSW)</td> </tr> <tr> <td data-bbox="336 1162 639 1207">Tray U-Limit</td> <td data-bbox="639 1162 1401 1207">DF tray sensor 1 (DFTS1)</td> </tr> <tr> <td data-bbox="336 1207 639 1252">Tray HP2</td> <td data-bbox="639 1207 1401 1252">DF tray sensor 2 (DFTS2)</td> </tr> <tr> <td data-bbox="336 1252 639 1296">Tray Middle</td> <td data-bbox="639 1252 1401 1296">DF tray sensor 3 (DFTS3)</td> </tr> <tr> <td data-bbox="336 1296 639 1341">Tray L-Limit</td> <td data-bbox="639 1296 1401 1341">DF tray sensor 4 (DFTS4)</td> </tr> <tr> <td data-bbox="336 1341 639 1386">Tray L-Limit(BL)</td> <td data-bbox="639 1341 1401 1386">DF tray sensor 5 (DFTS5)</td> </tr> <tr> <td data-bbox="336 1386 639 1431">Tray Top</td> <td data-bbox="639 1386 1401 1431">DF tray upper surface sensor (DFTUSS)</td> </tr> <tr> <td data-bbox="336 1431 639 1476">HP</td> <td data-bbox="639 1431 1401 1476">DF paper entry sensor (DFPES)</td> </tr> <tr> <td data-bbox="336 1476 639 1520">Sub Tray Eject</td> <td data-bbox="639 1476 1401 1520">DF sub eject sensor (DFSES)</td> </tr> <tr> <td data-bbox="336 1520 639 1565">Middle Tray Eject</td> <td data-bbox="639 1520 1401 1565">DF middle sensor (DFMES)</td> </tr> <tr> <td data-bbox="336 1565 639 1610">Drum</td> <td data-bbox="639 1565 1401 1610">DF drum sensor (DFDRS)</td> </tr> <tr> <td data-bbox="336 1610 639 1655">Staple HP</td> <td data-bbox="639 1610 1401 1655">DF slide sensor (DFSLS)</td> </tr> <tr> <td data-bbox="336 1655 639 1700">Middle Tray</td> <td data-bbox="639 1655 1401 1700">DF middle tray sensor (DFMTS)</td> </tr> <tr> <td data-bbox="336 1700 639 1744">Width Front HP</td> <td data-bbox="639 1700 1401 1744">DF side registration sensor 1 (DFSRS1)</td> </tr> <tr> <td data-bbox="336 1744 639 1789">Width Tail HP</td> <td data-bbox="639 1744 1401 1789">DF side registration sensor 2 (DFSRS2)</td> </tr> <tr> <td data-bbox="336 1789 639 1890">Bundle Eject HP</td> <td data-bbox="639 1789 1401 1890">DF bundle discharge sensor (DFBDS)</td> </tr> </tbody> </table>	Display	Description	Finisher	Checking the switch and sensor of the document finisher	Mail Box	Checking the switch and sensor of the mailbox	Booklet	Checking the switch and sensor of the center-folding unit	Punch	Checking the switch and sensor of the punch unit	Display	Description	Front Cover	DF front cover switch (DFFCSW)	MPT	DF eject cover switch (DFECSW)	Tray U-Limit	DF tray sensor 1 (DFTS1)	Tray HP2	DF tray sensor 2 (DFTS2)	Tray Middle	DF tray sensor 3 (DFTS3)	Tray L-Limit	DF tray sensor 4 (DFTS4)	Tray L-Limit(BL)	DF tray sensor 5 (DFTS5)	Tray Top	DF tray upper surface sensor (DFTUSS)	HP	DF paper entry sensor (DFPES)	Sub Tray Eject	DF sub eject sensor (DFSES)	Middle Tray Eject	DF middle sensor (DFMES)	Drum	DF drum sensor (DFDRS)	Staple HP	DF slide sensor (DFSLS)	Middle Tray	DF middle tray sensor (DFMTS)	Width Front HP	DF side registration sensor 1 (DFSRS1)	Width Tail HP	DF side registration sensor 2 (DFSRS2)	Bundle Eject HP	DF bundle discharge sensor (DFBDS)
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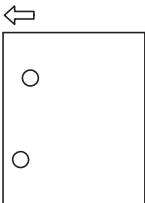
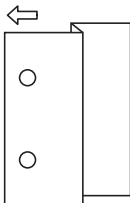
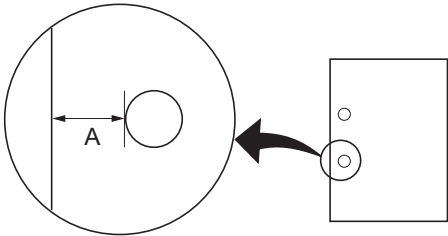
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U241	<p data-bbox="287 241 518 273">Method: [Booklet]</p> <p data-bbox="287 280 1396 376">1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1" data-bbox="335 392 1401 1064"> <thead> <tr> <th data-bbox="343 398 641 436">Display</th> <th data-bbox="641 398 1401 436">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 443 641 481">HP</td> <td data-bbox="641 443 1401 481">CF paper entry sensor (CFPES)</td> </tr> <tr> <td data-bbox="343 488 641 526">Eject</td> <td data-bbox="641 488 1401 526">CF eject sensor (CFES)</td> </tr> <tr> <td data-bbox="343 533 641 571">Paper</td> <td data-bbox="641 533 1401 571">CF paper sensor (CFPS)</td> </tr> <tr> <td data-bbox="343 577 641 616">Tray Full</td> <td data-bbox="641 577 1401 616">CF tray full sensor (CFTFS)</td> </tr> <tr> <td data-bbox="343 622 641 660">Bundle Up HP</td> <td data-bbox="641 622 1401 660">CF adjustment sensor 1 (CFADS1)</td> </tr> <tr> <td data-bbox="343 667 641 705">Bundle Down HP</td> <td data-bbox="641 667 1401 705">CF adjustment sensor 2 (CFADS2)</td> </tr> <tr> <td data-bbox="343 712 641 750">Width Up HP</td> <td data-bbox="641 712 1401 750">CF side registration sensor 1 (CFSRS1)</td> </tr> <tr> <td data-bbox="343 757 641 795">Width Down HP</td> <td data-bbox="641 757 1401 795">CF side registration sensor 2 (CFSRS2)</td> </tr> <tr> <td data-bbox="343 801 641 840">Blade HP</td> <td data-bbox="641 801 1401 840">CF blade sensor (CFBLS)</td> </tr> <tr> <td data-bbox="343 846 641 884">Tray</td> <td data-bbox="641 846 1401 884">CF tray switch (CFTSW)</td> </tr> <tr> <td data-bbox="343 891 641 929">Set</td> <td data-bbox="641 891 1401 929">CF set switch (CFSSW)</td> </tr> <tr> <td data-bbox="343 936 641 974">Left Guide</td> <td data-bbox="641 936 1401 974">CF left guide switch (CFLGSW)</td> </tr> <tr> <td data-bbox="343 981 641 1019">Vertical Feed</td> <td data-bbox="641 981 1401 1019">CF paper conveying sensor (CFPCS)</td> </tr> </tbody> </table> <p data-bbox="287 1102 502 1133">Method: [Punch]</p> <p data-bbox="287 1140 1396 1236">1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1" data-bbox="335 1252 1401 1635"> <thead> <tr> <th data-bbox="343 1258 641 1296">Display</th> <th data-bbox="641 1258 1401 1296">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1303 641 1341">Punch HP</td> <td data-bbox="641 1303 1401 1341">Punch home position sensor (PUHPS)</td> </tr> <tr> <td data-bbox="343 1348 641 1386">Edge Face1</td> <td data-bbox="641 1348 1401 1386">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="343 1393 641 1431">Edge Face2</td> <td data-bbox="641 1393 1401 1431">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="343 1438 641 1476">Edge Face3</td> <td data-bbox="641 1438 1401 1476">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="343 1482 641 1520">Edge Face4</td> <td data-bbox="641 1482 1401 1520">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="343 1527 641 1565">Tank</td> <td data-bbox="641 1527 1401 1565">Punch tank set switch (PUTSSW)</td> </tr> <tr> <td data-bbox="343 1572 641 1610">Tank Full</td> <td data-bbox="641 1572 1401 1610">Punch tank full sensor (PUTFS)</td> </tr> </tbody> </table> <p data-bbox="287 1675 438 1706">Completion</p> <p data-bbox="287 1713 1252 1744">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	HP	CF paper entry sensor (CFPES)	Eject	CF eject sensor (CFES)	Paper	CF paper sensor (CFPS)	Tray Full	CF tray full sensor (CFTFS)	Bundle Up HP	CF adjustment sensor 1 (CFADS1)	Bundle Down HP	CF adjustment sensor 2 (CFADS2)	Width Up HP	CF side registration sensor 1 (CFSRS1)	Width Down HP	CF side registration sensor 2 (CFSRS2)	Blade HP	CF blade sensor (CFBLS)	Tray	CF tray switch (CFTSW)	Set	CF set switch (CFSSW)	Left Guide	CF left guide switch (CFLGSW)	Vertical Feed	CF paper conveying sensor (CFPCS)	Display	Description	Punch HP	Punch home position sensor (PUHPS)	Edge Face1	Punch paper edge sensor (PUPES)	Edge Face2	Punch paper edge sensor (PUPES)	Edge Face3	Punch paper edge sensor (PUPES)	Edge Face4	Punch paper edge sensor (PUPES)	Tank	Punch tank set switch (PUTSSW)	Tank Full	Punch tank full sensor (PUTFS)
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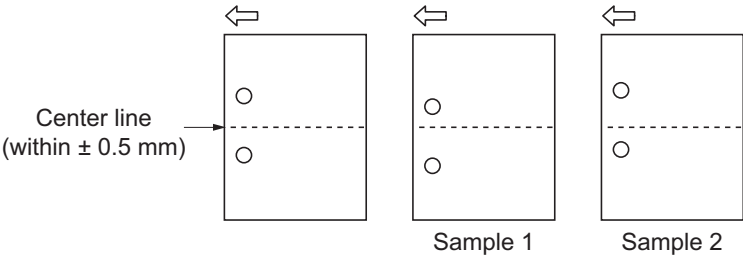
Item No.	Description																
U243	<p data-bbox="288 241 813 275">Checking the operation of the DP motors</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 807 374">Turns the motors or solenoids in the DP on.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 951 443">To check the operation of the DP motors and solenoids.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 817 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 631 1401 1014"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Feed Motor</td> <td data-bbox="639 676 1401 721">DP original feed motor (DPOFM) is turned on</td> </tr> <tr> <td data-bbox="336 721 639 766">Conv Motor</td> <td data-bbox="639 721 1401 766">DP original conveying motor (DPOCM) is turned on</td> </tr> <tr> <td data-bbox="336 766 639 810">Lift Motor</td> <td data-bbox="639 766 1401 810">DP lift motor (DPLM) is turned on</td> </tr> <tr> <td data-bbox="336 810 639 855">Eject Motor</td> <td data-bbox="639 810 1401 855">DP eject motor (DPEM) is turned on</td> </tr> <tr> <td data-bbox="336 855 639 900">Regist Motor</td> <td data-bbox="639 855 1401 900">DP registration motor (DPRM) is turned on</td> </tr> <tr> <td data-bbox="336 900 639 945">DP Fan</td> <td data-bbox="639 900 1401 945">DP fan motor 1 (DPFM1) is turned on</td> </tr> <tr> <td data-bbox="336 945 639 990">CIS Fan</td> <td data-bbox="639 945 1401 990">DP fan motor 2 (DPFM2) is turned on</td> </tr> </tbody> </table> <ol data-bbox="304 1025 834 1055" style="list-style-type: none"> 4. To turn each motor off, press the stop key. <p data-bbox="288 1095 440 1124">Completion</p> <p data-bbox="288 1128 1433 1193">Press the stop key when operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed Motor	DP original feed motor (DPOFM) is turned on	Conv Motor	DP original conveying motor (DPOCM) is turned on	Lift Motor	DP lift motor (DPLM) is turned on	Eject Motor	DP eject motor (DPEM) is turned on	Regist Motor	DP registration motor (DPRM) is turned on	DP Fan	DP fan motor 1 (DPFM1) is turned on	CIS Fan	DP fan motor 2 (DPFM2) is turned on
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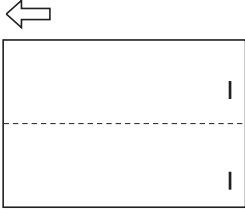
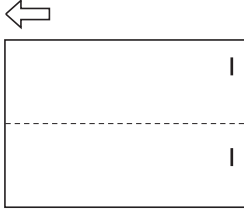
Item No.	Description																						
U244	<p data-bbox="288 241 625 271">Checking the DP switches</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1102 374">Displays the status of the respective switches and sensors in the DP.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1139 443">To check if respective switches and sensors in the DP operate correctly.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 1398 649" style="list-style-type: none"> 1. Press the start key. 2. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1" data-bbox="336 665 1398 1193"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1398 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Feed</td> <td data-bbox="639 710 1398 754">DP feed sensor (DPFS)</td> </tr> <tr> <td data-bbox="336 754 639 799">Timing</td> <td data-bbox="639 754 1398 799">DP timing sensor (DPTS)</td> </tr> <tr> <td data-bbox="336 799 639 844">CIS Head²</td> <td data-bbox="639 799 1398 844">DP CIS sensor (DPCS)</td> </tr> <tr> <td data-bbox="336 844 639 889">Set</td> <td data-bbox="639 844 1398 889">DP original sensor (DPOS)</td> </tr> <tr> <td data-bbox="336 889 639 934">Longitudinal</td> <td data-bbox="639 889 1398 934">DP original length switch (DPOLSW)</td> </tr> <tr> <td data-bbox="336 934 639 978">Lift U-Limit</td> <td data-bbox="639 934 1398 978">DP lift sensor 1 (DPLS1)</td> </tr> <tr> <td data-bbox="336 978 639 1023">Lift L-Limit</td> <td data-bbox="639 978 1398 1023">DP lift sensor 2 (DPLS2)</td> </tr> <tr> <td data-bbox="336 1023 639 1068">Cover Open</td> <td data-bbox="639 1023 1398 1068">DP interlock switch (DPILSW)</td> </tr> <tr> <td data-bbox="336 1068 639 1113">Open</td> <td data-bbox="639 1068 1398 1113">DP open/close switch (DPOCSW)</td> </tr> <tr> <td data-bbox="336 1113 639 1158">Eject</td> <td data-bbox="639 1113 1398 1158">DP eject sensor (DPES)</td> </tr> </tbody> </table> <p data-bbox="288 1303 440 1332">Completion</p> <p data-bbox="288 1337 1254 1366">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	DP feed sensor (DPFS)	Timing	DP timing sensor (DPTS)	CIS Head ²	DP CIS sensor (DPCS)	Set	DP original sensor (DPOS)	Longitudinal	DP original length switch (DPOLSW)	Lift U-Limit	DP lift sensor 1 (DPLS1)	Lift L-Limit	DP lift sensor 2 (DPLS2)	Cover Open	DP interlock switch (DPILSW)	Open	DP open/close switch (DPOCSW)	Eject	DP eject sensor (DPES)
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Open	DP open/close switch (DPOCSW)																						
Eject	DP eject sensor (DPES)																						

Item No.	Description
U245	<p data-bbox="292 241 549 275">Checking messages</p> <p data-bbox="292 313 440 342">Description</p> <p data-bbox="292 347 1114 376">Displays a list of messages on the touch panel of the operation panel.</p> <p data-bbox="292 383 400 412">Purpose</p> <p data-bbox="292 416 766 445">To check the messages to be displayed.</p> <p data-bbox="292 486 387 515">Method</p> <ol data-bbox="308 519 1426 689" style="list-style-type: none"><li data-bbox="308 519 564 548">1. Press the start key.<li data-bbox="308 553 1426 654">2. Change the message using the cursor up/down keys. When a message number is entered with the numeric keys and then the start key is pressed, the message corresponding the specified number is displayed.<li data-bbox="308 658 818 687">3. Change the language using the +/- keys. <p data-bbox="292 728 440 757">Completion</p> <p data-bbox="292 761 1254 790">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

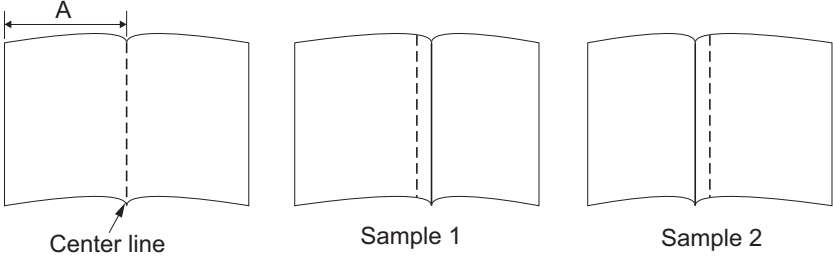
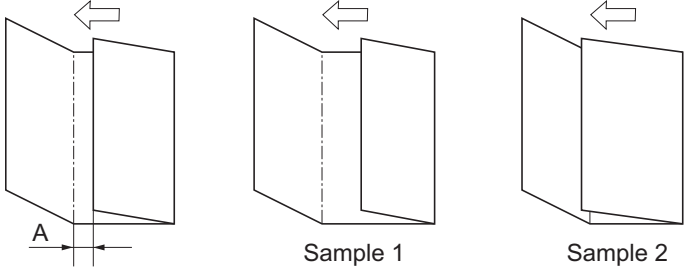
Item No.	Description																								
U246	<p data-bbox="288 241 536 271">Setting the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1015 374">Provides various settings for 4000-sheet finisher, if furnished.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 975 443">Adjustment of registration stop timing in punch mode</p> <p data-bbox="288 448 1334 477">Adjust if skewed paper conveying occurs or if the copy paper is Z-folded in punch mode.</p> <p data-bbox="288 483 951 512">Adjustment of paper stop timing in the punch mode</p> <p data-bbox="288 517 1321 546">To adjust this item when the position of a punch hole is different from the specified one.</p> <p data-bbox="288 553 1007 582">Adjustment of center position timing in the punch mode</p> <p data-bbox="288 586 1307 616">Adjusts the center position of a punch hole in punch mode if the position is not proper.</p> <p data-bbox="288 622 1007 651">Adjustment of front/rear side registration home position</p> <p data-bbox="288 656 1382 721">Provides optimization when paper jam occurs due to an inferior fitting of the side registration guides to paper.</p> <p data-bbox="288 728 852 757">Adjustment of front/rear shift home position</p> <p data-bbox="288 761 971 790">Performed when adjustment is lost with the ejected paper</p> <p data-bbox="288 797 887 826">Adjusting of front/back stapling home position</p> <p data-bbox="288 831 1177 860">Adjusts the stapling position in the staple mode if the position is not proper.</p> <p data-bbox="288 866 1038 896">Adjustment of upper/lower side registration home position</p> <p data-bbox="288 900 1382 965">Provides optimization when paper jam occurs due to an inferior fitting of the side registration guides to paper.</p> <p data-bbox="288 972 798 1001">Adjustment of booklet stapling position</p> <p data-bbox="288 1005 1297 1034">Adjusts the booklet stapling position in the stitching mode if the position is not proper.</p> <p data-bbox="288 1041 767 1070">Adjustment of center folding position</p> <p data-bbox="288 1075 1273 1104">Adjusts the center folding position in the stitching mode if the position is not proper.</p> <p data-bbox="288 1111 724 1140">Adjustment of tri- folding position</p> <p data-bbox="288 1144 1222 1173">Adjusts the tri-folding position in the stitching mode if the position is not proper.</p> <p data-bbox="288 1214 387 1243">Method</p> <ol data-bbox="308 1247 595 1312" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 1323 1401 1467"> <thead> <tr> <th data-bbox="336 1323 639 1368">Display</th> <th data-bbox="639 1323 1401 1368">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1368 639 1413">Finisher</td> <td data-bbox="639 1368 1401 1413">Adjustment of 4000-sheet finisher</td> </tr> <tr> <td data-bbox="336 1413 639 1458">Booklet</td> <td data-bbox="639 1413 1401 1458">Adjustment of center-folding unit</td> </tr> </tbody> </table> <p data-bbox="288 1512 528 1541">Method: [Finisher]</p> <ol data-bbox="308 1545 595 1574" style="list-style-type: none"> 1. Select the item to set. <table border="1" data-bbox="336 1585 1401 2022"> <thead> <tr> <th data-bbox="336 1585 639 1630">Display</th> <th data-bbox="639 1585 1401 1630">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1630 639 1675">Punch Regist</td> <td data-bbox="639 1630 1401 1675">Adjustment of registration stop timing in punch mode</td> </tr> <tr> <td data-bbox="336 1675 639 1720">Punch Feed</td> <td data-bbox="639 1675 1401 1720">Adjustment of the paper stop timing in punch mode</td> </tr> <tr> <td data-bbox="336 1720 639 1765">Punch Width</td> <td data-bbox="639 1720 1401 1765">Adjustment of the center position timing in punch mode</td> </tr> <tr> <td data-bbox="336 1765 639 1809">Width Front HP</td> <td data-bbox="639 1765 1401 1809">Adjustment of front side registration home position</td> </tr> <tr> <td data-bbox="336 1809 639 1854">Width Tail HP</td> <td data-bbox="639 1809 1401 1854">Adjustment of rear side registration home position</td> </tr> <tr> <td data-bbox="336 1854 639 1899">Shift Front HP</td> <td data-bbox="639 1854 1401 1899">Adjustment of front shift home position</td> </tr> <tr> <td data-bbox="336 1899 639 1944">Shift Tail HP</td> <td data-bbox="639 1899 1401 1944">Adjustment of rear shift home position</td> </tr> <tr> <td data-bbox="336 1944 639 2022">Staple HP</td> <td data-bbox="639 1944 1401 2022">Adjustment of front and back stapling home position</td> </tr> </tbody> </table>	Display	Description	Finisher	Adjustment of 4000-sheet finisher	Booklet	Adjustment of center-folding unit	Display	Description	Punch Regist	Adjustment of registration stop timing in punch mode	Punch Feed	Adjustment of the paper stop timing in punch mode	Punch Width	Adjustment of the center position timing in punch mode	Width Front HP	Adjustment of front side registration home position	Width Tail HP	Adjustment of rear side registration home position	Shift Front HP	Adjustment of front shift home position	Shift Tail HP	Adjustment of rear shift home position	Staple HP	Adjustment of front and back stapling home position
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<p>U246</p>	<p>Setting: [Punch Regist]</p> <ol style="list-style-type: none"> 1. Select [Punch Regist]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 483"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of registration stop timing</td> <td>-20 to 20</td> <td>0</td> <td>0.25 mm</td> </tr> </tbody> </table> <p>If skewed paper conveying occurs (sample 1), increase the setting value. If the copy paper is Z-folded (sample 2), decrease the setting value.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Sample 1</p> </div> <div style="text-align: center;">  <p>Sample 2</p> </div> </div> <p style="text-align: center;">Figure 1-3-18</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Punch Feed]</p> <ol style="list-style-type: none"> 1. Select [Punch Feed]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1093 1401 1223"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of the paper stop timing</td> <td>-10 to 10</td> <td>0</td> <td>0.52 mm</td> </tr> </tbody> </table> <p>If the distance of the position of a punch hole is smaller than the specified value A, increase the setting value. If the distance is larger than the value A, decrease the setting value.</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p>Preset value A: 13 mm (metric) 9.5 mm (inch)</p> </div> </div> <p style="text-align: center;">Figure 1-3-19</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 	Description	Setting range	Initial setting	Change in value per step	Adjustment of registration stop timing	-20 to 20	0	0.25 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of the paper stop timing	-10 to 10	0	0.52 mm
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Adjustment of the paper stop timing	-10 to 10	0	0.52 mm														

Item No.	Description																																
U246	<p>Setting: [Punch Width]</p> <ol style="list-style-type: none"> 1. Select [Punch Width]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 488"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of the punch center position timing</td> <td>-4 to 4</td> <td>0</td> <td>0.52 mm</td> </tr> </tbody> </table> <p>If the punch hole is too close to the front of the machine, increase the setting value. If the punch hole is too close to the rear of the machine, decrease the setting value.</p>  <p style="text-align: center;">Figure 1-3-20</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Width Front HP/Width Tail HP]</p> <ol style="list-style-type: none"> 1. Select [Width Front HP] or [Width Tail HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1108 1401 1285"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front side registration home position</td> <td>-15 to 15</td> <td>0</td> <td>0.19 mm</td> </tr> <tr> <td>Adjustment of rear side registration home position</td> <td>-15 to 15</td> <td>0</td> <td>0.19 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. 5. Enter maintenance mode U240 and select [Motor], then [Width Test(A3)]. The width guides of the middle tray will move to A3-size position. 6. Pull the middle tray, insert paper between the guides and check that paper is about the guides. 7. Repeat the above adjustment until paper is properly in position. <p>Setting: [Shift Front HP/Shift Tail HP]</p> <ol style="list-style-type: none"> 1. Select [Shift Front HP] or [Shift Tail HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1648 1401 1825"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front shift home position</td> <td>-15 to 15</td> <td>0</td> <td>0.19 mm</td> </tr> <tr> <td>Adjustment of rear shift home position</td> <td>-15 to 15</td> <td>0</td> <td>0.19 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. 5. Enter maintenance mode U240 and select [Motor], then [Sort Test]. 6. Repeat the above adjustment until eject paper is properly in position. 	Description	Setting range	Initial setting	Change in value per step	Adjustment of the punch center position timing	-4 to 4	0	0.52 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front side registration home position	-15 to 15	0	0.19 mm	Adjustment of rear side registration home position	-15 to 15	0	0.19 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front shift home position	-15 to 15	0	0.19 mm	Adjustment of rear shift home position	-15 to 15	0	0.19 mm
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U246	<p>Setting: [Staple HP]</p> <ol style="list-style-type: none"> 1. Select [Staple HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 483"> <thead> <tr> <th data-bbox="336 353 975 434">Description</th> <th data-bbox="975 353 1110 434">Setting range</th> <th data-bbox="1110 353 1233 434">Initial setting</th> <th data-bbox="1233 353 1401 434">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 434 975 483">Adjustment of front and back stapling home position</td> <td data-bbox="975 434 1110 483">-15 to 15</td> <td data-bbox="1110 434 1233 483">0</td> <td data-bbox="1233 434 1401 483">0.19 mm</td> </tr> </tbody> </table> <p>When staple positions are off toward the front side of the machine (sample 1), increase the setting value. When staple positions are off toward the rear side of the machine (sample 2), decrease the setting value.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Sample 1</p> </div> <div style="text-align: center;">  <p>Sample 2</p> </div> </div> <p style="text-align: center;">Figure 1-3-21</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Method: [Booklet]</p> <ol style="list-style-type: none"> 1. Select the item to set. <table border="1" data-bbox="336 1115 1401 1594"> <thead> <tr> <th data-bbox="336 1115 641 1167">Display</th> <th data-bbox="641 1115 1401 1167">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1167 641 1211">Width Up HP</td> <td data-bbox="641 1167 1401 1211">Adjustment of upper side registration home position</td> </tr> <tr> <td data-bbox="336 1211 641 1256">Width Down HP</td> <td data-bbox="641 1211 1401 1256">Adjustment of lower side registration home position</td> </tr> <tr> <td data-bbox="336 1256 641 1301">Staple Pos1</td> <td data-bbox="641 1256 1401 1301">Adjustment of booklet stapling position for A4/Letter size</td> </tr> <tr> <td data-bbox="336 1301 641 1346">Staple Pos2</td> <td data-bbox="641 1301 1401 1346">Adjustment of booklet stapling position for B4/Legal size</td> </tr> <tr> <td data-bbox="336 1346 641 1391">Staple Pos3</td> <td data-bbox="641 1346 1401 1391">Adjustment of booklet stapling position for A3/Ledger/8K size</td> </tr> <tr> <td data-bbox="336 1391 641 1435">Booklet Pos1</td> <td data-bbox="641 1391 1401 1435">Adjustment of center folding position for A4/Letter size</td> </tr> <tr> <td data-bbox="336 1435 641 1480">Booklet Pos2</td> <td data-bbox="641 1435 1401 1480">Adjustment of center folding position for B4/Legal size</td> </tr> <tr> <td data-bbox="336 1480 641 1525">Booklet Pos3</td> <td data-bbox="641 1480 1401 1525">Adjustment of center folding position for A3/Ledger/8K size</td> </tr> <tr> <td data-bbox="336 1525 641 1594">Three Fold</td> <td data-bbox="641 1525 1401 1594">Adjustment of tri-folding position</td> </tr> </tbody> </table>	Description	Setting range	Initial setting	Change in value per step	Adjustment of front and back stapling home position	-15 to 15	0	0.19 mm	Display	Description	Width Up HP	Adjustment of upper side registration home position	Width Down HP	Adjustment of lower side registration home position	Staple Pos1	Adjustment of booklet stapling position for A4/Letter size	Staple Pos2	Adjustment of booklet stapling position for B4/Legal size	Staple Pos3	Adjustment of booklet stapling position for A3/Ledger/8K size	Booklet Pos1	Adjustment of center folding position for A4/Letter size	Booklet Pos2	Adjustment of center folding position for B4/Legal size	Booklet Pos3	Adjustment of center folding position for A3/Ledger/8K size	Three Fold	Adjustment of tri-folding position
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Item No.	Description																												
U246	<p>Setting: [Width Up HP/Width Down HP]</p> <ol style="list-style-type: none"> 1. Select [Width Up HP] or [Width Down HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 533"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of upper side registration home position</td> <td>-15 to 15</td> <td>0</td> <td>0.34 mm</td> </tr> <tr> <td>Adjustment of lower side registration home position</td> <td>-15 to 15</td> <td>0</td> <td>0.34 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. 5. Enter maintenance mode U240 and select [Booklet], then [Width Test(A3)]. The width guides of the center-folding unit will move to A3-size position. 6. Pull the center-folding unit, insert paper between the guides and check that paper is about the guides. 7. Repeat the above adjustment until paper is properly in position. <p>Setting: [Staple Pos]</p> <ol style="list-style-type: none"> 1. Select [Staple Pos1], [Staple Pos2] or [Staple Pos3]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 929 1401 1261"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of booklet stapling position for A4/Letter size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> <tr> <td>Adjustment of booklet stapling position for B4/Legal size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> <tr> <td>Adjustment of booklet stapling position for A3/Ledger/8K size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> </tbody> </table> <p>When staples are placed too far right (sample 1), decrease the preset value. When staples are placed too far left (sample 2), increase the preset value. Reference value: within ± 2 mm</p> <div data-bbox="405 1397 1315 1671" style="text-align: center;"> <p>The diagram illustrates the correct staple placement on a booklet. On the left, a booklet is shown with a staple in the center. To the right, two rectangular diagrams represent 'Sample 1' and 'Sample 2'. Sample 1 shows a vertical dashed line representing the center, with a staple placed to the right of it. A horizontal dimension line indicates a 2 mm distance from the center line to the staple, and an arrow points left, indicating the staple should be moved left. Sample 2 shows a similar setup but with the staple placed to the left of the center line, and an arrow points right, indicating the staple should be moved right.</p> </div> <p>Figure 1-3-22</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 	Description	Setting range	Initial setting	Change in value per step	Adjustment of upper side registration home position	-15 to 15	0	0.34 mm	Adjustment of lower side registration home position	-15 to 15	0	0.34 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of booklet stapling position for A4/Letter size	-15 to 15	0	0.32 mm	Adjustment of booklet stapling position for B4/Legal size	-15 to 15	0	0.32 mm	Adjustment of booklet stapling position for A3/Ledger/8K size	-15 to 15	0	0.32 mm
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Item No.	Description																								
U246	<p>Setting: [Booklet Pos]</p> <ol style="list-style-type: none"> 1. Select [Booklet Pos1], [Booklet Pos2] or [Booklet Pos3]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 616"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of center folding position for A4/Letter size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> <tr> <td>Adjustment of center folding position for B4/Legal size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> <tr> <td>Adjustment of center folding position for A3/Ledger/8K size</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> </tbody> </table> <p>When the centerfold position too far right (sample 1), increase the preset value. When the centerfold position too far left (sample 2), decrease the setting value.</p> <p>Reference value A: A4, Letter: Length of paper $\times 1/2 \pm 2$ mm A3, Ledger, B4: Length of paper $\times 1/2 \pm 3$ mm</p>  <p style="text-align: center;">Figure 1-3-23</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Three Fold]</p> <ol style="list-style-type: none"> 1. Select [Three Fold]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1279 1401 1413"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of tri-folding position</td> <td>-15 to 15</td> <td>0</td> <td>0.32 mm</td> </tr> </tbody> </table> <p>When the tri-fold position too far right (sample 1), increase the preset value. When the tri-fold position too far left (sample 2), decrease the setting value.</p> <p>Reference value A: 7.0 ± 2 mm</p>  <p style="text-align: center;">Figure 1-3-24</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Change in value per step	Adjustment of center folding position for A4/Letter size	-15 to 15	0	0.32 mm	Adjustment of center folding position for B4/Legal size	-15 to 15	0	0.32 mm	Adjustment of center folding position for A3/Ledger/8K size	-15 to 15	0	0.32 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of tri-folding position	-15 to 15	0	0.32 mm
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Item No.	Description																																			
U247	<p data-bbox="287 241 662 275">Setting the paper feed device</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 909 378">Turns on motor and clutches of paper feeder device.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1077 450">To check the operation of motor and clutches of paper feed device.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 686 586" style="list-style-type: none"> 1. Press the start key. 2. Select the paper feed device. <table border="1" data-bbox="335 595 1401 887"> <thead> <tr> <th data-bbox="343 600 641 645">Display</th> <th data-bbox="641 600 1393 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 645 641 689">LCF</td> <td data-bbox="641 645 1393 689">Large capacity feeder</td> </tr> <tr> <td data-bbox="343 689 641 734">Side Deck</td> <td data-bbox="641 689 1393 734">Side deck</td> </tr> <tr> <td data-bbox="343 734 641 779">SMT</td> <td data-bbox="641 734 1393 779">Side multi tray</td> </tr> <tr> <td data-bbox="343 779 641 824">Side 2PF</td> <td data-bbox="641 779 1393 824">Side paper feeder</td> </tr> <tr> <td data-bbox="343 824 641 869">Side LCF</td> <td data-bbox="641 824 1393 869">Side large capacity feeder</td> </tr> </tbody> </table> <p data-bbox="287 927 590 960">Method: [LCF/Side LCF]</p> <ol data-bbox="303 963 869 996" style="list-style-type: none"> 1. Press [Motor] or [Device] and select the item. <table border="1" data-bbox="335 1005 1401 1487"> <thead> <tr> <th colspan="2" data-bbox="343 1010 716 1055">Display</th> <th data-bbox="716 1010 1393 1055">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1055 450 1151" rowspan="2">Motor</td> <td data-bbox="450 1055 716 1099">Off</td> <td data-bbox="716 1055 1393 1099">PF paper feed motor (PFPFM) is turned off</td> </tr> <tr> <td data-bbox="450 1099 716 1151">On</td> <td data-bbox="716 1099 1393 1151">PF paper feed motor (PFPFM) is turned on</td> </tr> <tr> <td data-bbox="343 1151 450 1482" rowspan="6">Device</td> <td data-bbox="450 1151 716 1196">C1 Clutch</td> <td data-bbox="716 1151 1393 1196">PF paper conveying clutch 1 (PFPCCL1) is turned on</td> </tr> <tr> <td data-bbox="450 1196 716 1240">C2 Clutch</td> <td data-bbox="716 1196 1393 1240">PF paper conveying clutch 2 (PFPCCL2) is turned on</td> </tr> <tr> <td data-bbox="450 1240 716 1285">V Feed Clutch</td> <td data-bbox="716 1240 1393 1285">PF paper conveying clutch 3 (PFPCCL3) is turned on</td> </tr> <tr> <td data-bbox="450 1285 716 1330">H Feed1 Clutch</td> <td data-bbox="716 1285 1393 1330">PF paper feed clutch 1 (PFPFCL1) is turned on</td> </tr> <tr> <td data-bbox="450 1330 716 1375">H Feed2 Clutch</td> <td data-bbox="716 1330 1393 1375">PF paper feed clutch 2 (PFPFCL2) is turned on</td> </tr> <tr> <td data-bbox="450 1375 716 1420">Cassette1 Solenoid</td> <td data-bbox="716 1375 1393 1420">PF pickup solenoid 1 (PFUSOL1) is turned on</td> </tr> <tr> <td data-bbox="450 1420 716 1464">Cassette2 Solenoid</td> <td data-bbox="716 1420 1393 1464">PF pickup solenoid 2 (PFUSOL2) is turned on</td> </tr> </tbody> </table> <ol data-bbox="303 1496 813 1597" style="list-style-type: none"> 2. Select [Execute]. 3. Press the start key. The operation starts. 4. To stop operation, press the stop key. 	Display	Description	LCF	Large capacity feeder	Side Deck	Side deck	SMT	Side multi tray	Side 2PF	Side paper feeder	Side LCF	Side large capacity feeder	Display		Description	Motor	Off	PF paper feed motor (PFPFM) is turned off	On	PF paper feed motor (PFPFM) is turned on	Device	C1 Clutch	PF paper conveying clutch 1 (PFPCCL1) is turned on	C2 Clutch	PF paper conveying clutch 2 (PFPCCL2) is turned on	V Feed Clutch	PF paper conveying clutch 3 (PFPCCL3) is turned on	H Feed1 Clutch	PF paper feed clutch 1 (PFPFCL1) is turned on	H Feed2 Clutch	PF paper feed clutch 2 (PFPFCL2) is turned on	Cassette1 Solenoid	PF pickup solenoid 1 (PFUSOL1) is turned on	Cassette2 Solenoid	PF pickup solenoid 2 (PFUSOL2) is turned on
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U247	<p data-bbox="288 241 549 271">Method: [Side Deck]</p> <p data-bbox="288 277 871 306">1. Press [Motor] or [Device] and select the item.</p> <table border="1" data-bbox="336 320 1401 560"> <thead> <tr> <th colspan="2" data-bbox="336 320 716 365">Display</th> <th data-bbox="716 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 448 461" rowspan="2">Motor</td> <td data-bbox="448 365 716 409">Off</td> <td data-bbox="716 365 1401 409">SF paper feed motor (SFPFM) is turned off</td> </tr> <tr> <td data-bbox="448 409 716 461">On</td> <td data-bbox="716 409 1401 461">SF paper feed motor (SFPFM) is turned on</td> </tr> <tr> <td data-bbox="336 461 448 560" rowspan="2">Device</td> <td data-bbox="448 461 716 506">C1 Clutch</td> <td data-bbox="716 461 1401 506">SF paper conveying clutch (SFPCCL) is turned on</td> </tr> <tr> <td data-bbox="448 506 716 560">Cassette1 Solenoid</td> <td data-bbox="716 506 1401 560">SF pickup solenoid (PFPUSOL) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 573 536 602">2. Select [Execute].</p> <p data-bbox="288 609 815 638">3. Press the start key. The operation starts.</p> <p data-bbox="288 645 780 674">4. To stop operation, press the stop key.</p> <p data-bbox="288 710 478 739">Method: [SMT]</p> <p data-bbox="288 745 871 775">1. Press [Motor] or [Device] and select the item.</p> <table border="1" data-bbox="336 788 1401 1218"> <thead> <tr> <th colspan="2" data-bbox="336 788 716 833">Display</th> <th data-bbox="716 788 1401 833">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 833 448 929" rowspan="2">Motor</td> <td data-bbox="448 833 716 878">Off</td> <td data-bbox="716 833 1401 878">SM paper feed motor (SMPFM) is turned off</td> </tr> <tr> <td data-bbox="448 878 716 929">On</td> <td data-bbox="716 878 1401 929">SM paper feed motor (SMPFM) is turned on</td> </tr> <tr> <td data-bbox="336 929 448 1218" rowspan="6">Device</td> <td data-bbox="448 929 716 974">C1 Clutch</td> <td data-bbox="716 929 1401 974">SM paper conveying clutch 1 (SMPCCL1) is turned on</td> </tr> <tr> <td data-bbox="448 974 716 1019">Feed1 Clutch</td> <td data-bbox="716 974 1401 1019">SM paper conveying clutch 2 (SMPCCL2) is turned on</td> </tr> <tr> <td data-bbox="448 1019 716 1064">Feed2 Clutch</td> <td data-bbox="716 1019 1401 1064">SM paper conveying clutch 3 (SMPCCL3) is turned on</td> </tr> <tr> <td data-bbox="448 1064 716 1108">Feed3 Clutch</td> <td data-bbox="716 1064 1401 1108">SM paper conveying clutch 4 (SMPCCL4) is turned on</td> </tr> <tr> <td data-bbox="448 1108 716 1153">Cassette1 Solenoid</td> <td data-bbox="716 1108 1401 1153">SM pickup solenoid (SMPUSOL) is turned on</td> </tr> <tr> <td data-bbox="448 1153 716 1218">Separator Solenoid</td> <td data-bbox="716 1153 1401 1218">SM feedshift solenoid (SMFSSOL) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 1232 536 1261">2. Select [Execute].</p> <p data-bbox="288 1267 815 1296">3. Press the start key. The operation starts.</p> <p data-bbox="288 1303 780 1332">4. To stop operation, press the stop key.</p> <p data-bbox="288 1368 531 1397">Method: [Side 2PF]</p> <p data-bbox="288 1404 871 1433">1. Press [Motor] or [Device] and select the item.</p> <table border="1" data-bbox="336 1447 1401 1877"> <thead> <tr> <th colspan="2" data-bbox="336 1447 716 1491">Display</th> <th data-bbox="716 1447 1401 1491">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1491 448 1588" rowspan="2">Motor</td> <td data-bbox="448 1491 716 1536">Off</td> <td data-bbox="716 1491 1401 1536">PF paper feed motor (PFPFM) is turned off</td> </tr> <tr> <td data-bbox="448 1536 716 1588">On</td> <td data-bbox="716 1536 1401 1588">PF paper feed motor (PFPFM) is turned on</td> </tr> <tr> <td data-bbox="336 1588 448 1877" rowspan="6">Device</td> <td data-bbox="448 1588 716 1632">C1 Clutch</td> <td data-bbox="716 1588 1401 1632">PF paper conveying clutch 1 (PFPCCL1) is turned on</td> </tr> <tr> <td data-bbox="448 1632 716 1677">C2 Clutch</td> <td data-bbox="716 1632 1401 1677">PF paper conveying clutch 2 (PFPCCL2) is turned on</td> </tr> <tr> <td data-bbox="448 1677 716 1722">V Feed(H) Clutch</td> <td data-bbox="716 1677 1401 1722">PF paper feed clutch 1 (PFPFCL1) is turned on</td> </tr> <tr> <td data-bbox="448 1722 716 1767">V Feed(L) Clutch</td> <td data-bbox="716 1722 1401 1767">PF paper feed clutch 2 (PFPFCL2) is turned on</td> </tr> <tr> <td data-bbox="448 1767 716 1812">Cassette1 Solenoid</td> <td data-bbox="716 1767 1401 1812">PF pickup solenoid 1 (PFPUSOL1) is turned on</td> </tr> <tr> <td data-bbox="448 1812 716 1877">Cassette2 Solenoid</td> <td data-bbox="716 1812 1401 1877">PF pickup solenoid 2 (PFPUSOL2) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 1890 536 1919">2. Select [Execute].</p> <p data-bbox="288 1926 815 1955">3. Press the start key. The operation starts.</p> <p data-bbox="288 1962 780 1991">4. To stop operation, press the stop key.</p>	Display		Description	Motor	Off	SF paper feed motor (SFPFM) is turned off	On	SF paper feed motor (SFPFM) is turned on	Device	C1 Clutch	SF paper conveying clutch (SFPCCL) is turned on	Cassette1 Solenoid	SF pickup solenoid (PFPUSOL) is turned on	Display		Description	Motor	Off	SM paper feed motor (SMPFM) is turned off	On	SM paper feed motor (SMPFM) is turned on	Device	C1 Clutch	SM paper conveying clutch 1 (SMPCCL1) is turned on	Feed1 Clutch	SM paper conveying clutch 2 (SMPCCL2) is turned on	Feed2 Clutch	SM paper conveying clutch 3 (SMPCCL3) is turned on	Feed3 Clutch	SM paper conveying clutch 4 (SMPCCL4) is turned on	Cassette1 Solenoid	SM pickup solenoid (SMPUSOL) is turned on	Separator Solenoid	SM feedshift solenoid (SMFSSOL) is turned on	Display		Description	Motor	Off	PF paper feed motor (PFPFM) is turned off	On	PF paper feed motor (PFPFM) is turned on	Device	C1 Clutch	PF paper conveying clutch 1 (PFPCCL1) is turned on	C2 Clutch	PF paper conveying clutch 2 (PFPCCL2) is turned on	V Feed(H) Clutch	PF paper feed clutch 1 (PFPFCL1) is turned on	V Feed(L) Clutch	PF paper feed clutch 2 (PFPFCL2) is turned on	Cassette1 Solenoid	PF pickup solenoid 1 (PFPUSOL1) is turned on	Cassette2 Solenoid	PF pickup solenoid 2 (PFPUSOL2) is turned on
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Item No.	Description																																								
U247	<p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>																																								
U249	<p>Finisher operation test</p> <p>Description Performs operating tests on the 4000-sheet finisher.</p> <p>Purpose To check the operation of the 4000-sheet finisher.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 680 1401 824"> <thead> <tr> <th data-bbox="336 680 639 725">Display</th> <th data-bbox="639 680 1401 725">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 725 639 770">Punch Position</td> <td data-bbox="639 725 1401 770">Check the stop position of punching</td> </tr> <tr> <td data-bbox="336 770 639 824">Booklet Pass</td> <td data-bbox="639 770 1401 824">Check the paper paths to the center-folding unit</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. 4. Press the system menu key to make a test copy. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Punch Position	Check the stop position of punching	Booklet Pass	Check the paper paths to the center-folding unit																																		
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Booklet Pass	Check the paper paths to the center-folding unit																																								
U250	<p>Checking/clearing the maintenance cycle</p> <p>Description Changes preset values for maintenance cycle and automatic grayscale adjustment.</p> <p>Purpose Provides changing the time when the message to acknowledge to conduct maintenance and automatic grayscale adjustment is periodically displayed.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting using the +- keys or numeric keys. <table border="1" data-bbox="336 1447 1417 1995"> <thead> <tr> <th data-bbox="336 1447 504 1525">Display</th> <th data-bbox="504 1447 1034 1525">Description</th> <th data-bbox="1034 1447 1225 1525">Setting range</th> <th data-bbox="1225 1447 1417 1525">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1525 504 1570">M.Cnt A</td> <td data-bbox="504 1525 1034 1570">Preset values for maintenance cycle (kit A)</td> <td data-bbox="1034 1525 1225 1570">0 to 9999999</td> <td data-bbox="1225 1525 1417 1570">600000</td> </tr> <tr> <td data-bbox="336 1570 504 1615">M.Cnt C</td> <td data-bbox="504 1570 1034 1615">Preset values for maintenance cycle (kit C)</td> <td data-bbox="1034 1570 1225 1615">0 to 9999999</td> <td data-bbox="1225 1570 1417 1615">300000</td> </tr> <tr> <td data-bbox="336 1615 504 1704">M.Cnt HT</td> <td data-bbox="504 1615 1034 1704">Preset values for automatic grayscale adjustment</td> <td data-bbox="1034 1615 1225 1704">0 to 9999999</td> <td data-bbox="1225 1615 1417 1704">0</td> </tr> <tr> <td data-bbox="336 1704 504 1749">Cassette 1</td> <td data-bbox="504 1704 1034 1749">Maintenance counter cassette1</td> <td data-bbox="1034 1704 1225 1749">0 to 9999999</td> <td data-bbox="1225 1704 1417 1749">150000</td> </tr> <tr> <td data-bbox="336 1749 504 1794">Cassette 2</td> <td data-bbox="504 1749 1034 1794">Maintenance counter cassette1</td> <td data-bbox="1034 1749 1225 1794">0 to 9999999</td> <td data-bbox="1225 1749 1417 1794">150000</td> </tr> <tr> <td data-bbox="336 1794 504 1839">Cassette 3</td> <td data-bbox="504 1794 1034 1839">Maintenance counter cassette1</td> <td data-bbox="1034 1794 1225 1839">0 to 9999999</td> <td data-bbox="1225 1794 1417 1839">150000</td> </tr> <tr> <td data-bbox="336 1839 504 1883">Cassette 4</td> <td data-bbox="504 1839 1034 1883">Maintenance counter cassette1</td> <td data-bbox="1034 1839 1225 1883">0 to 9999999</td> <td data-bbox="1225 1839 1417 1883">150000</td> </tr> <tr> <td data-bbox="336 1883 504 1928">Cassette 5</td> <td data-bbox="504 1883 1034 1928">Maintenance counter cassette5</td> <td data-bbox="1034 1883 1225 1928">0 to 9999999</td> <td data-bbox="1225 1883 1417 1928">150000</td> </tr> <tr> <td data-bbox="336 1928 504 1995">Cassette 6</td> <td data-bbox="504 1928 1034 1995">Maintenance counter cassette6</td> <td data-bbox="1034 1928 1225 1995">0 to 9999999</td> <td data-bbox="1225 1928 1417 1995">150000</td> </tr> </tbody> </table>	Display	Description	Setting range	Initial setting	M.Cnt A	Preset values for maintenance cycle (kit A)	0 to 9999999	600000	M.Cnt C	Preset values for maintenance cycle (kit C)	0 to 9999999	300000	M.Cnt HT	Preset values for automatic grayscale adjustment	0 to 9999999	0	Cassette 1	Maintenance counter cassette1	0 to 9999999	150000	Cassette 2	Maintenance counter cassette1	0 to 9999999	150000	Cassette 3	Maintenance counter cassette1	0 to 9999999	150000	Cassette 4	Maintenance counter cassette1	0 to 9999999	150000	Cassette 5	Maintenance counter cassette5	0 to 9999999	150000	Cassette 6	Maintenance counter cassette6	0 to 9999999	150000
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U250	<table border="1" data-bbox="336 286 1417 465"> <thead> <tr> <th data-bbox="336 286 504 365">Display</th> <th data-bbox="504 286 1034 365">Description</th> <th data-bbox="1034 286 1225 365">Setting range</th> <th data-bbox="1225 286 1417 365">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 504 409">Cassette 7</td> <td data-bbox="504 365 1034 409">Maintenance counter cassette7</td> <td data-bbox="1034 365 1225 409">0 to 9999999</td> <td data-bbox="1225 365 1417 409">150000</td> </tr> <tr> <td data-bbox="336 409 504 465">Clear</td> <td data-bbox="504 409 1034 465">Maintenance counter all clear</td> <td data-bbox="1034 409 1225 465">0 to 9999999</td> <td data-bbox="1225 409 1417 465">-</td> </tr> </tbody> </table> <p data-bbox="304 483 767 510">4. Press the start key. The value is set.</p> <p data-bbox="288 551 440 577">Completion</p> <p data-bbox="288 584 1254 611">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="336 651 564 678">* : Cassette 1 to 7:</p> <p data-bbox="371 685 1366 748">When the firmware is upgraded in the field, the standard counter value newly added should be set to 150000.</p>	Display	Description	Setting range	Initial setting	Cassette 7	Maintenance counter cassette7	0 to 9999999	150000	Clear	Maintenance counter all clear	0 to 9999999	-																																				
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U251	<p data-bbox="288 770 847 797">Checking/clearing the maintenance counter</p> <p data-bbox="288 837 440 864">Description</p> <p data-bbox="288 875 1382 938">Displays and clears or changes the maintenance count and automatic grayscale adjustment count.</p> <p data-bbox="288 943 400 969">Purpose</p> <p data-bbox="288 976 1418 1039">To verify the maintenance counter count and automatic grayscale count. Also to clear the count during maintenance service.</p> <p data-bbox="288 1079 384 1106">Setting</p> <ol data-bbox="304 1117 983 1216" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be changed. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1227 1401 1839"> <thead> <tr> <th data-bbox="336 1227 488 1305">Display</th> <th data-bbox="488 1227 1018 1305">Description</th> <th data-bbox="1018 1227 1209 1305">Setting range</th> <th data-bbox="1209 1227 1401 1305">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1305 488 1350">M.Cnt A</td> <td data-bbox="488 1305 1018 1350">Count value for maintenance cycle (kit A)</td> <td data-bbox="1018 1305 1209 1350">0 to 9999999</td> <td data-bbox="1209 1305 1401 1350">0</td> </tr> <tr> <td data-bbox="336 1350 488 1395">M.Cnt C</td> <td data-bbox="488 1350 1018 1395">Count value for maintenance cycle (kit C)</td> <td data-bbox="1018 1350 1209 1395">0 to 9999999</td> <td data-bbox="1209 1350 1401 1395">0</td> </tr> <tr> <td data-bbox="336 1395 488 1440">M.Cnt HT</td> <td data-bbox="488 1395 1018 1440">Automatic grayscale adjustment count</td> <td data-bbox="1018 1395 1209 1440">0 to 9999999</td> <td data-bbox="1209 1395 1401 1440">0</td> </tr> <tr> <td data-bbox="336 1440 488 1485">Cassette 1</td> <td data-bbox="488 1440 1018 1485">Maintenance counter cassette1</td> <td data-bbox="1018 1440 1209 1485">0 to 9999999</td> <td data-bbox="1209 1440 1401 1485">0</td> </tr> <tr> <td data-bbox="336 1485 488 1529">Cassette 2</td> <td data-bbox="488 1485 1018 1529">Maintenance counter cassette2</td> <td data-bbox="1018 1485 1209 1529">0 to 9999999</td> <td data-bbox="1209 1485 1401 1529">0</td> </tr> <tr> <td data-bbox="336 1529 488 1574">Cassette 3</td> <td data-bbox="488 1529 1018 1574">Maintenance counter cassette3</td> <td data-bbox="1018 1529 1209 1574">0 to 9999999</td> <td data-bbox="1209 1529 1401 1574">0</td> </tr> <tr> <td data-bbox="336 1574 488 1619">Cassette 4</td> <td data-bbox="488 1574 1018 1619">Maintenance counter cassette4</td> <td data-bbox="1018 1574 1209 1619">0 to 9999999</td> <td data-bbox="1209 1574 1401 1619">0</td> </tr> <tr> <td data-bbox="336 1619 488 1664">Cassette 5</td> <td data-bbox="488 1619 1018 1664">Maintenance counter cassette5</td> <td data-bbox="1018 1619 1209 1664">0 to 9999999</td> <td data-bbox="1209 1619 1401 1664">0</td> </tr> <tr> <td data-bbox="336 1664 488 1709">Cassette 6</td> <td data-bbox="488 1664 1018 1709">Maintenance counter cassette6</td> <td data-bbox="1018 1664 1209 1709">0 to 9999999</td> <td data-bbox="1209 1664 1401 1709">0</td> </tr> <tr> <td data-bbox="336 1709 488 1753">Cassette 7</td> <td data-bbox="488 1709 1018 1753">Maintenance counter cassette7</td> <td data-bbox="1018 1709 1209 1753">0 to 9999999</td> <td data-bbox="1209 1709 1401 1753">0</td> </tr> <tr> <td data-bbox="336 1753 488 1839">Clear</td> <td data-bbox="488 1753 1018 1839">Maintenance counter all clear</td> <td data-bbox="1018 1753 1209 1839">0 to 9999999</td> <td data-bbox="1209 1753 1401 1839">-</td> </tr> </tbody> </table> <p data-bbox="304 1868 767 1895">4. Press the start key. The value is set.</p> <p data-bbox="288 1935 400 1962">Clearing</p> <ol data-bbox="304 1973 903 2036" style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The setting value is cleared. 	Display	Description	Setting range	Initial setting	M.Cnt A	Count value for maintenance cycle (kit A)	0 to 9999999	0	M.Cnt C	Count value for maintenance cycle (kit C)	0 to 9999999	0	M.Cnt HT	Automatic grayscale adjustment count	0 to 9999999	0	Cassette 1	Maintenance counter cassette1	0 to 9999999	0	Cassette 2	Maintenance counter cassette2	0 to 9999999	0	Cassette 3	Maintenance counter cassette3	0 to 9999999	0	Cassette 4	Maintenance counter cassette4	0 to 9999999	0	Cassette 5	Maintenance counter cassette5	0 to 9999999	0	Cassette 6	Maintenance counter cassette6	0 to 9999999	0	Cassette 7	Maintenance counter cassette7	0 to 9999999	0	Clear	Maintenance counter all clear	0 to 9999999	-
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Item No.	Description																								
U251	<p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p>* : When the firmware is upgraded in the field, input the counter value of U901 into the primary feed counter. If the counter value is larger than 150000, replace the primary feed roller and input "0".</p>																								
U252	<p>Setting the destination</p> <p>Description Switches the operations and screens of the machine according to the destination.</p> <p>Purpose To be executed after initializing the backup RAM, in order to return the setting to the value before replacement or initialization.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1" data-bbox="336 853 1401 1189"> <thead> <tr> <th data-bbox="336 853 639 898">Display</th> <th data-bbox="639 853 1401 898">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 898 639 943">Inch</td> <td data-bbox="639 898 1401 943">Inch (North America) specifications</td> </tr> <tr> <td data-bbox="336 943 639 987">Europe Metric</td> <td data-bbox="639 943 1401 987">Metric (Europe) specifications</td> </tr> <tr> <td data-bbox="336 987 639 1032">Asia Pacific</td> <td data-bbox="639 987 1401 1032">Metric (Asia Pacific) specifications</td> </tr> <tr> <td data-bbox="336 1032 639 1077">Australia</td> <td data-bbox="639 1032 1401 1077">Australia specifications</td> </tr> <tr> <td data-bbox="336 1077 639 1122">China</td> <td data-bbox="639 1077 1401 1122">China specifications</td> </tr> <tr> <td data-bbox="336 1122 639 1189">Korea</td> <td data-bbox="639 1122 1401 1189">Korea specifications</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. * : An error code is displayed in case of an initialization error. When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U252. <p>Error codes</p> <table border="1" data-bbox="336 1496 1401 1738"> <thead> <tr> <th data-bbox="336 1496 639 1541">Codes</th> <th data-bbox="639 1496 1401 1541">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1541 639 1585">0001</td> <td data-bbox="639 1541 1401 1585">Entity error</td> </tr> <tr> <td data-bbox="336 1585 639 1630">0002</td> <td data-bbox="639 1585 1401 1630">Controller error</td> </tr> <tr> <td data-bbox="336 1630 639 1675">0020</td> <td data-bbox="639 1630 1401 1675">Engine error</td> </tr> <tr> <td data-bbox="336 1675 639 1738">0040</td> <td data-bbox="639 1675 1401 1738">Scanner error</td> </tr> </tbody> </table>	Display	Description	Inch	Inch (North America) specifications	Europe Metric	Metric (Europe) specifications	Asia Pacific	Metric (Asia Pacific) specifications	Australia	Australia specifications	China	China specifications	Korea	Korea specifications	Codes	Description	0001	Entity error	0002	Controller error	0020	Engine error	0040	Scanner error
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0040	Scanner error																								

Item No.	Description														
U253	<p data-bbox="287 241 861 275">Switching between double and single counts</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1332 378">Switches the count system for the total counter and other counters for every color mode.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1372 483">Used to select, according to the preference of the user (copy service provider), if A3/Ledger paper is to be counted as one sheet (single count) or two sheets (double count).</p> <p data-bbox="287 517 383 551">Setting</p> <ol data-bbox="303 553 598 620" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="335 631 1401 728"> <thead> <tr> <th data-bbox="343 642 641 676">Display</th> <th data-bbox="641 642 1393 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 687 641 721">B/W</td> <td data-bbox="641 687 1393 721">Count system of black/white mode</td> </tr> </tbody> </table> <p data-bbox="335 736 1252 770">Displayed only if the setting of U276 (Setting the copy count mode) is Mode1.</p> <ol data-bbox="303 772 630 806" style="list-style-type: none"> 3. Select the count system. <table border="1" data-bbox="335 815 1401 1055"> <thead> <tr> <th data-bbox="343 826 641 860">Display</th> <th data-bbox="641 826 1393 860">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 871 641 904">SGL(All)</td> <td data-bbox="641 871 1393 904">Single count for all size paper</td> </tr> <tr> <td data-bbox="343 916 641 949">DBL(A3/Ledger)</td> <td data-bbox="641 916 1393 949">Double count for A3/Ledger size or larger</td> </tr> <tr> <td data-bbox="343 960 641 994">DBL(B4)</td> <td data-bbox="641 960 1393 994">Double count for B4 size or larger</td> </tr> <tr> <td data-bbox="343 1005 641 1039">DBL(Folio)</td> <td data-bbox="641 1005 1393 1039">Double count for Folio size or larger</td> </tr> </tbody> </table> <p data-bbox="335 1064 694 1097">Initial setting: DBL(A3/Ledger)</p> <ol data-bbox="303 1099 782 1133" style="list-style-type: none"> 4. Press the start key. The setting is set. <p data-bbox="287 1167 438 1200">Completion</p> <p data-bbox="287 1202 1252 1236">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	B/W	Count system of black/white mode	Display	Description	SGL(All)	Single count for all size paper	DBL(A3/Ledger)	Double count for A3/Ledger size or larger	DBL(B4)	Double count for B4 size or larger	DBL(Folio)	Double count for Folio size or larger
Display	Description														
B/W	Count system of black/white mode														
Display	Description														
SGL(All)	Single count for all size paper														
DBL(A3/Ledger)	Double count for A3/Ledger size or larger														
DBL(B4)	Double count for B4 size or larger														
DBL(Folio)	Double count for Folio size or larger														

Item No.	Description						
U260	<p>Selecting the timing for copy counting</p> <p>Description Changes the copy count timing for the total counter and other counters.</p> <p>Purpose To be set according to user request.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the copy count timing. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 641 640">Display</th> <th data-bbox="641 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 641 685">Feed</td> <td data-bbox="641 640 1401 685">When secondary paper feed starts</td> </tr> <tr> <td data-bbox="336 685 641 741">Eject</td> <td data-bbox="641 685 1401 741">When the paper is ejected</td> </tr> </tbody> </table> <p>Initial setting: Eject</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	When secondary paper feed starts	Eject	When the paper is ejected
Display	Description						
Feed	When secondary paper feed starts						
Eject	When the paper is ejected						
U265	<p>Setting OEM purchaser code</p> <p>Description Sets the OEM purchaser code.</p> <p>Purpose Sets the code when replacing the main PWB and the like.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting value using the numeric keys. 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 						

Item No.	Description												
U271	<p>Setting the page count</p> <p>Description Banner counting</p> <p>Purpose To change when modifying counting Banner * : If U253 is adjusted to double-counting, the value which is multiplied with this value will be the count value</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 701 1401 949"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Banner A</td> <td>Counting for Banner A (470.1mm to 915mm/18.51" to 36")</td> <td>2 to 30</td> <td>2</td> </tr> <tr> <td>Banner B</td> <td>Counting for Banner B (915.1mm to 1,220mm/36.01" to 48")</td> <td>2 to 30</td> <td>3</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Banner A	Counting for Banner A (470.1mm to 915mm/18.51" to 36")	2 to 30	2	Banner B	Counting for Banner B (915.1mm to 1,220mm/36.01" to 48")	2 to 30	3
Display	Description	Setting range	Initial setting										
Banner A	Counting for Banner A (470.1mm to 915mm/18.51" to 36")	2 to 30	2										
Banner B	Counting for Banner B (915.1mm to 1,220mm/36.01" to 48")	2 to 30	3										
U278	<p>Setting the delivery date</p> <p>Description Enter delivery date in month, day, and year.</p> <p>Purpose To operate when installing the machine. Perform this to confirm the delivery date.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Today]. 3. Press the start key. The delivery date is set. <p>Clearing</p> <ol style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The delivery date is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>												

Item No.	Description						
U285	<p>Setting service status page</p> <p>Description Determines displaying the print coverage report on reporting.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select On or Off. <table border="1" data-bbox="338 600 1401 741"> <thead> <tr> <th data-bbox="338 600 641 645">Display</th> <th data-bbox="641 600 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 645 641 689">On</td> <td data-bbox="641 645 1401 689">Displays the print coverage</td> </tr> <tr> <td data-bbox="338 689 641 741">Off</td> <td data-bbox="641 689 1401 741">Not to display the print coverage</td> </tr> </tbody> </table> <p>Initial setting: On</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Displays the print coverage	Off	Not to display the print coverage
Display	Description						
On	Displays the print coverage						
Off	Not to display the print coverage						
U323	<p>Setting abnormal temperature and humidity warning</p> <p>Description Specify whether or not a notice is displayed on the operation panel when abnormal temperature and humidity is detected.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select On or Off. <table border="1" data-bbox="338 1330 1401 1471"> <thead> <tr> <th data-bbox="338 1330 641 1375">Display</th> <th data-bbox="641 1330 1401 1375">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1375 641 1420">On</td> <td data-bbox="641 1375 1401 1420">Displays the abnormal temperature and humidity warning</td> </tr> <tr> <td data-bbox="338 1420 641 1471">Off</td> <td data-bbox="641 1420 1401 1471">Not to display the abnormal temperature and humidity warning</td> </tr> </tbody> </table> <p>Initial setting: On</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Displays the abnormal temperature and humidity warning	Off	Not to display the abnormal temperature and humidity warning
Display	Description						
On	Displays the abnormal temperature and humidity warning						
Off	Not to display the abnormal temperature and humidity warning						

Item No.	Description																				
U325	<p data-bbox="287 241 614 273">Setting the paper interval</p> <p data-bbox="287 309 438 340">Description</p> <p data-bbox="287 344 1431 479">Due to the fact that, if toner consumption per driving time drastically lowers, the variation in coloring and low density and gray background become prominent, the print coverage that executes toner ejection according to the low density at a continued vertical printing with the low coverage data must be changed.</p> <p data-bbox="287 483 399 515">Purpose</p> <p data-bbox="287 519 1412 586">The settings must be changed when printing an extensive volume with the vertical A4/Letter of low coverage contents or the toner consumption per driving time is extremely low.</p> <p data-bbox="287 622 391 654">Method</p> <ol data-bbox="303 658 598 725" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="335 734 1401 882"> <thead> <tr> <th data-bbox="335 734 638 784">Display</th> <th data-bbox="638 734 1401 784">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="335 784 638 833">Interval</td> <td data-bbox="638 784 1401 833">On-Off control of Inter-paper toner ejection</td> </tr> <tr> <td data-bbox="335 833 638 882">Mode</td> <td data-bbox="638 833 1401 882">Setting mode of Inter-paper toner ejection</td> </tr> </tbody> </table> <p data-bbox="287 922 518 954">Setting: [Interval]</p> <ol data-bbox="303 958 534 990" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="335 999 1401 1146"> <thead> <tr> <th data-bbox="335 999 638 1048">Display</th> <th data-bbox="638 999 1401 1048">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="335 1048 638 1097">On</td> <td data-bbox="638 1048 1401 1097">Inter-paper toner ejection is performed</td> </tr> <tr> <td data-bbox="335 1097 638 1146">Off</td> <td data-bbox="638 1097 1401 1146">Inter-paper toner ejection is not performed</td> </tr> </tbody> </table> <p data-bbox="335 1155 534 1187">Initial setting: Off</p> <ol data-bbox="303 1191 782 1223" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="287 1258 486 1290">Setting: [Mode]</p> <ol data-bbox="303 1294 1045 1326" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys <table border="1" data-bbox="335 1335 1401 1469"> <thead> <tr> <th data-bbox="335 1335 526 1420">Display</th> <th data-bbox="526 1335 1093 1420">Description</th> <th data-bbox="1093 1335 1244 1420">Setting range</th> <th data-bbox="1244 1335 1401 1420">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="335 1420 526 1469">Mode</td> <td data-bbox="526 1420 1093 1469">Inter-paper toner ejection mode</td> <td data-bbox="1093 1420 1244 1469">1 to 2</td> <td data-bbox="1244 1420 1401 1469">1</td> </tr> </tbody> </table> <p data-bbox="335 1514 965 1545">* : Mode 1 or Mode 2 is effective when Interval is on.</p> <p data-bbox="367 1550 1420 1617">Mode 1: For usages where the original date includes a low toner coverage or gray background is observed (T7 threshold is 3%).</p> <p data-bbox="367 1621 1380 1720">Mode 2: For environments where printing is seldom made but the machine toggles in warm-up mode. (Mostly scanning is used such as in a show room.) (T7 threshold 3% + simplified refreshing is implemented after the warm-up calibration)</p> <ol data-bbox="303 1756 766 1787" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1890 438 1921">Completion</p> <p data-bbox="287 1926 1252 1957">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Interval	On-Off control of Inter-paper toner ejection	Mode	Setting mode of Inter-paper toner ejection	Display	Description	On	Inter-paper toner ejection is performed	Off	Inter-paper toner ejection is not performed	Display	Description	Setting range	Initial setting	Mode	Inter-paper toner ejection mode	1 to 2	1
Display	Description																				
Interval	On-Off control of Inter-paper toner ejection																				
Mode	Setting mode of Inter-paper toner ejection																				
Display	Description																				
On	Inter-paper toner ejection is performed																				
Off	Inter-paper toner ejection is not performed																				
Display	Description	Setting range	Initial setting																		
Mode	Inter-paper toner ejection mode	1 to 2	1																		

Item No.	Description																				
U326	<p data-bbox="288 241 810 275">Setting the black line cleaning indication</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1193 374">Sets whether to display the cleaning guidance when detecting the black line.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1422 479">Displays the cleaning guidance in order to make the call for service with the black line decrease by the rubbish on the contact glass when scanning from the DP.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 593 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 631 1399 777"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Black Line Mode</td> <td data-bbox="639 676 1399 721">Black line cleaning guidance ON/OFF setting</td> </tr> <tr> <td data-bbox="336 721 639 777">Black Line Cnt</td> <td data-bbox="639 721 1399 777">Setting counts of the cleaning guidance indication</td> </tr> </tbody> </table> <p data-bbox="288 819 628 848">Setting: [Black Line Mode]</p> <ol data-bbox="304 855 536 884" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="336 898 1399 1043"> <thead> <tr> <th data-bbox="336 898 639 943">Display</th> <th data-bbox="639 898 1399 943">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 943 639 987">On</td> <td data-bbox="639 943 1399 987">Displays the cleaning guidance</td> </tr> <tr> <td data-bbox="336 987 639 1043">Off</td> <td data-bbox="639 987 1399 1043">Not to display the cleaning guidance</td> </tr> </tbody> </table> <p data-bbox="336 1055 536 1084">Initial setting: On</p> <ol data-bbox="304 1090 783 1120" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1158 603 1187">Setting: [Black Line Cnt]</p> <ol data-bbox="304 1193 1054 1223" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1236 1399 1400"> <thead> <tr> <th data-bbox="336 1236 528 1314">Display</th> <th data-bbox="528 1236 1096 1314">Description</th> <th data-bbox="1096 1236 1248 1314">Setting range</th> <th data-bbox="1248 1236 1399 1314">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1314 528 1400">Cnt</td> <td data-bbox="528 1314 1096 1400">Setting counts of the cleaning guidance indication (x 1000 sheets)</td> <td data-bbox="1096 1314 1248 1400">0 to 255</td> <td data-bbox="1248 1314 1399 1400">8</td> </tr> </tbody> </table> <p data-bbox="336 1413 1358 1478">When setting is 0, the black line cleaning indication is displayed only if the black line is detected.</p> <ol data-bbox="304 1485 767 1514" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1552 440 1581">Completion</p> <p data-bbox="288 1585 1254 1615">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Black Line Mode	Black line cleaning guidance ON/OFF setting	Black Line Cnt	Setting counts of the cleaning guidance indication	Display	Description	On	Displays the cleaning guidance	Off	Not to display the cleaning guidance	Display	Description	Setting range	Initial setting	Cnt	Setting counts of the cleaning guidance indication (x 1000 sheets)	0 to 255	8
Display	Description																				
Black Line Mode	Black line cleaning guidance ON/OFF setting																				
Black Line Cnt	Setting counts of the cleaning guidance indication																				
Display	Description																				
On	Displays the cleaning guidance																				
Off	Not to display the cleaning guidance																				
Display	Description	Setting range	Initial setting																		
Cnt	Setting counts of the cleaning guidance indication (x 1000 sheets)	0 to 255	8																		

Item No.	Description								
U327	<p>Setting the cassette heater control</p> <p>Description Sets the cassette heater control.</p> <p>Purpose To change the setting according to the machine installation environment.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 598 1401 824"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Mode1</td> <td>Setting On when the humidity is 65%. (when sleep mode and waiting mode)</td> </tr> <tr> <td>Mode2</td> <td>Setting On in full-time. (when sleep mode and waiting mode)</td> </tr> <tr> <td>Off</td> <td>Cassette heater OFF</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mode1	Setting On when the humidity is 65%. (when sleep mode and waiting mode)	Mode2	Setting On in full-time. (when sleep mode and waiting mode)	Off	Cassette heater OFF
Display	Description								
Mode1	Setting On when the humidity is 65%. (when sleep mode and waiting mode)								
Mode2	Setting On in full-time. (when sleep mode and waiting mode)								
Off	Cassette heater OFF								
U332	<p>Setting the size conversion factor</p> <p>Description Sets the coefficient of nonstandard sizes in relation to the A4/Letter size. The coefficient set here is used to convert the black ratio in relation to the A4/Letter size and to display the result in user simulation.</p> <p>Purpose To set the coefficient for converting the black ratio for nonstandard sizes in relation to the A4/Letter size.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/--keys or numeric keys. <table border="1" data-bbox="336 1487 1401 1621"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Rate</td> <td>Size coefficient</td> <td>0.1 to 3.0</td> <td>1.0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Rate	Size coefficient	0.1 to 3.0	1.0
Display	Description	Setting range	Initial setting						
Rate	Size coefficient	0.1 to 3.0	1.0						

Item No.	Description																														
U340	<p data-bbox="288 241 611 275">Setting the applied mode</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1406 409">Allocates memory to ensure that there is sufficient memory available for the printer to use as a working area.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1430 512">Modify the memory allocation if insufficient memory for transparency support or XPS direct printing occurs.</p> <p data-bbox="288 551 387 580">Method</p> <ol data-bbox="304 586 595 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 665 1399 808"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1399 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Adj Memory</td> <td data-bbox="639 710 1399 754">Setting the memory allocation</td> </tr> <tr> <td data-bbox="336 754 639 808">Adj Max Job</td> <td data-bbox="639 754 1399 808">Setting the maximum of multiple jobs</td> </tr> </tbody> </table> <p data-bbox="288 853 571 882">Setting: [Adj Memory]</p> <ol data-bbox="304 887 983 916" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 929 1399 1178"> <thead> <tr> <th data-bbox="336 929 564 1010">Display</th> <th data-bbox="564 929 1066 1010">Description</th> <th data-bbox="1066 929 1248 1010">Setting range</th> <th data-bbox="1248 929 1399 1010">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1010 564 1093">Image</td> <td data-bbox="564 1010 1066 1093">Area temporarily used to create output image.</td> <td data-bbox="1066 1010 1248 1093">0 to 50 (MB)</td> <td data-bbox="1248 1010 1399 1093">50</td> </tr> <tr> <td data-bbox="336 1093 564 1178">Image(Detail)</td> <td data-bbox="564 1093 1066 1178">Area temporarily used to hold downloaded font and other data.</td> <td data-bbox="1066 1093 1248 1178">0 to 50 (MB)</td> <td data-bbox="1248 1093 1399 1178">1</td> </tr> </tbody> </table> <p data-bbox="336 1189 1225 1254">Set the values below in case print failure occurs with the memory shortage. (recommended value)</p> <p data-bbox="336 1258 480 1288">Image : +50</p> <p data-bbox="336 1292 564 1321">Image(Detail) : +1</p> <ol data-bbox="304 1326 1378 1391" style="list-style-type: none"> 2. Press the start key. The value is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="288 1429 448 1458">Supplement</p> <p data-bbox="288 1462 1305 1491">The work area for copy is small and it may cause output failure if the values are large.</p> <p data-bbox="288 1532 576 1561">Setting: [Adj Max Job]</p> <ol data-bbox="304 1565 975 1594" style="list-style-type: none"> 1. Change the setting using the +/-keys or numeric keys. <table border="1" data-bbox="336 1608 1399 1792"> <thead> <tr> <th data-bbox="336 1608 564 1688">Display</th> <th data-bbox="564 1608 1094 1688">Description</th> <th data-bbox="1094 1608 1248 1688">Setting range</th> <th data-bbox="1248 1608 1399 1688">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1688 564 1742">Copy</td> <td data-bbox="564 1688 1094 1742">Maximum copy (Scan To Print) Jobs</td> <td data-bbox="1094 1688 1248 1742">10 to 50</td> <td data-bbox="1248 1688 1399 1742">10</td> </tr> <tr> <td data-bbox="336 1742 564 1792">Printer</td> <td data-bbox="564 1742 1094 1792">Maximum printer (Host To Print) Jobs</td> <td data-bbox="1094 1742 1248 1792">10 to 50</td> <td data-bbox="1248 1742 1399 1792">-</td> </tr> </tbody> </table> <p data-bbox="336 1798 1262 1827">The maximum Printer jobs should be (maximum jobs) – (maximum copy jobs).</p> <ol data-bbox="304 1832 767 1861" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1901 440 1930">Completion</p> <p data-bbox="288 1935 1254 1964">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Adj Memory	Setting the memory allocation	Adj Max Job	Setting the maximum of multiple jobs	Display	Description	Setting range	Initial setting	Image	Area temporarily used to create output image.	0 to 50 (MB)	50	Image(Detail)	Area temporarily used to hold downloaded font and other data.	0 to 50 (MB)	1	Display	Description	Setting range	Initial setting	Copy	Maximum copy (Scan To Print) Jobs	10 to 50	10	Printer	Maximum printer (Host To Print) Jobs	10 to 50	-
Display	Description																														
Adj Memory	Setting the memory allocation																														
Adj Max Job	Setting the maximum of multiple jobs																														
Display	Description	Setting range	Initial setting																												
Image	Area temporarily used to create output image.	0 to 50 (MB)	50																												
Image(Detail)	Area temporarily used to hold downloaded font and other data.	0 to 50 (MB)	1																												
Display	Description	Setting range	Initial setting																												
Copy	Maximum copy (Scan To Print) Jobs	10 to 50	10																												
Printer	Maximum printer (Host To Print) Jobs	10 to 50	-																												

Item No.	Description																
U341	<p data-bbox="288 241 1005 275">Specific paper feed location setting for printing function</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1294 376">Sets a paper feed location specified for printer output (only if a printer kit is installed).</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 895 445">To use a paper feed location only for printer output.</p> <p data-bbox="288 450 1243 481">A paper feed location specified for printer output cannot be used for copy output.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 863 651" style="list-style-type: none"> 1. Press the start key. 2. Select the paper feed location for the printer. Two or more cassette can be selected. <table border="1" data-bbox="336 665 1401 1048"> <thead> <tr> <th data-bbox="336 665 639 712">Display</th> <th data-bbox="639 665 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 759">Cassette1</td> <td data-bbox="639 712 1401 759">Cassette 1</td> </tr> <tr> <td data-bbox="336 759 639 806">Cassette2</td> <td data-bbox="639 759 1401 806">Cassette 2</td> </tr> <tr> <td data-bbox="336 806 639 853">Cassette3</td> <td data-bbox="639 806 1401 853">Cassette 3</td> </tr> <tr> <td data-bbox="336 853 639 900">Cassette4</td> <td data-bbox="639 853 1401 900">Cassette 4</td> </tr> <tr> <td data-bbox="336 900 639 947">Cassette5</td> <td data-bbox="639 900 1401 947">Cassette 5 (side multi tray/side deck)</td> </tr> <tr> <td data-bbox="336 947 639 994">Cassette6</td> <td data-bbox="639 947 1401 994">Cassette 6 (side paper feeder/side large capacity feeder)</td> </tr> <tr> <td data-bbox="336 994 639 1041">Cassette7</td> <td data-bbox="639 994 1401 1041">Cassette 7 (side paper feeder/side large capacity feeder)</td> </tr> </tbody> </table> <p data-bbox="336 1059 772 1090">* : Initial setting: Off (Cassette1 to 7)</p> <p data-bbox="336 1095 1404 1160">* : When an optional paper feed device is not installed, the corresponding count is not displayed.</p> <ol data-bbox="304 1164 782 1196" style="list-style-type: none"> 3. Press the start key. The setting is set. <p data-bbox="288 1232 440 1261">Completion</p> <p data-bbox="288 1265 1254 1296">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cassette1	Cassette 1	Cassette2	Cassette 2	Cassette3	Cassette 3	Cassette4	Cassette 4	Cassette5	Cassette 5 (side multi tray/side deck)	Cassette6	Cassette 6 (side paper feeder/side large capacity feeder)	Cassette7	Cassette 7 (side paper feeder/side large capacity feeder)
Display	Description																
Cassette1	Cassette 1																
Cassette2	Cassette 2																
Cassette3	Cassette 3																
Cassette4	Cassette 4																
Cassette5	Cassette 5 (side multi tray/side deck)																
Cassette6	Cassette 6 (side paper feeder/side large capacity feeder)																
Cassette7	Cassette 7 (side paper feeder/side large capacity feeder)																

Item No.	Description								
U343	<p>Switching between duplex/simplex copy mode</p> <p>Description Switches the initial setting between duplex and simplex copy.</p> <p>Purpose To be set according to frequency of use: set to the more frequently used mode.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select On or Off. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 641 640">Display</th> <th data-bbox="641 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 641 685">On</td> <td data-bbox="641 640 1401 685">Duplex copy</td> </tr> <tr> <td data-bbox="336 685 641 741">Off</td> <td data-bbox="641 685 1401 741">Simplex copy</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Duplex copy	Off	Simplex copy		
Display	Description								
On	Duplex copy								
Off	Simplex copy								
U345	<p>Setting the value for maintenance due indication</p> <p>Description Sets when to display a message notifying that the time for maintenance is about to be reached, by setting the number of copies that can be made before the current maintenance cycle ends. When the difference between the number of copies of the maintenance cycle and that of the maintenance count reaches the set value, the message is displayed.</p> <p>Purpose To change the time for maintenance due indication.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1368 1401 1570"> <thead> <tr> <th data-bbox="336 1368 491 1451">Display</th> <th data-bbox="491 1368 1098 1451">Description</th> <th data-bbox="1098 1368 1249 1451">Setting range</th> <th data-bbox="1249 1368 1401 1451">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1451 491 1570">Cnt</td> <td data-bbox="491 1451 1098 1570">Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)</td> <td data-bbox="1098 1451 1249 1570">0 to 9999</td> <td data-bbox="1249 1451 1401 1570">0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Cnt	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999	0
Display	Description	Setting range	Initial setting						
Cnt	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999	0						

Item No.	Description																														
U402	<p data-bbox="287 241 750 275">Adjusting margins of image printing</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 702 378">Adjusts margins for image printing.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 821 450">Make the adjustment if margins are incorrect.</p> <p data-bbox="287 483 438 517">Adjustment</p> <ol data-bbox="303 519 837 685" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Press the start key to output a test pattern. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="335 696 1396 976"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Lead</td> <td>Printer leading edge margin</td> <td>0.0 to 10.0</td> <td>4.0</td> <td>0.1 mm</td> </tr> <tr> <td>A Margin</td> <td>Printer left margin</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>C Margin</td> <td>Printer right margin</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>Trail</td> <td>Printer trailing edge margin</td> <td>0.0 to 10.0</td> <td>3.9</td> <td>0.1 mm</td> </tr> </tbody> </table> <ol data-bbox="303 987 1420 1055" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="526 1077 1189 1496" style="text-align: center;"> </div> <p data-bbox="774 1525 949 1559">Figure 1-3-25</p> <ol data-bbox="303 1592 766 1626" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="287 1659 391 1693">Caution</p> <p data-bbox="287 1695 1356 1762">If the above adjustment does not optimize the margins, perform the following maintenance modes.</p> <div data-bbox="295 1774 901 1874" style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U039 (P.1-3-38)</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U034 (P.1-3-34)</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U402</td> </tr> </table> </div> <p data-bbox="287 1919 438 1953">Completion</p> <p data-bbox="287 1955 1252 1989">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Lead	Printer leading edge margin	0.0 to 10.0	4.0	0.1 mm	A Margin	Printer left margin	0.0 to 10.0	3.0	0.1 mm	C Margin	Printer right margin	0.0 to 10.0	3.0	0.1 mm	Trail	Printer trailing edge margin	0.0 to 10.0	3.9	0.1 mm	U039 (P.1-3-38)	→	U034 (P.1-3-34)	→	U402
Display	Description	Setting range	Initial setting	Change in value per step																											
Lead	Printer leading edge margin	0.0 to 10.0	4.0	0.1 mm																											
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Trail	Printer trailing edge margin	0.0 to 10.0	3.9	0.1 mm																											
U039 (P.1-3-38)	→	U034 (P.1-3-34)	→	U402																											

Item No.	Description																													
U403	<p data-bbox="288 241 1102 275">Adjusting margins for scanning an original on the contact glass</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1023 376">Adjusts margins for scanning the original on the contact glass.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 826 445">Make the adjustment if margins are incorrect.</p> <p data-bbox="288 483 440 512">Adjustment</p> <ol data-bbox="304 517 1054 685" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 701 1401 976"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A Margin</td> <td>Scanner left margin</td> <td>0.0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>B Margin</td> <td>Scanner leading edge margin</td> <td>0.0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>C Margin</td> <td>Scanner right margin</td> <td>0.0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>D Margin</td> <td>Scanner trailing edge margin</td> <td>0.0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <ol data-bbox="304 987 1423 1055" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="528 1077 1193 1496" style="text-align: center;"> <p data-bbox="708 1081 1134 1137">Leading edge margin of the copy image (4.0 +1.5/-1.0 mm)</p> <p data-bbox="528 1234 735 1317">Left margin of the copy image (2.5 +1.5/-2.0 mm)</p> <p data-bbox="991 1234 1193 1317">Right margin of the copy image (2.5 +1.5/-2.0 mm)</p> <p data-bbox="708 1440 1126 1496">Trailing edge margin of the copy image (4.0 mm or less)</p> </div> <p data-bbox="775 1525 946 1554">Figure 1-3-26</p> <ol data-bbox="304 1592 767 1624" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1662 392 1691">Caution</p> <p data-bbox="288 1695 1358 1762">If the above adjustment does not optimize the margins, perform the following maintenance modes.</p> <div data-bbox="293 1783 1129 1877" style="text-align: center;"> <table border="1"> <tr> <td data-bbox="293 1783 448 1877">U039 (P.1-3-38)</td> <td data-bbox="520 1783 675 1877">U034 (P.1-3-34)</td> <td data-bbox="746 1783 901 1877">U402 (P.1-3-133)</td> <td data-bbox="973 1783 1129 1877">U403</td> </tr> </table> </div> <p data-bbox="288 1924 440 1953">Completion</p> <p data-bbox="288 1957 1246 1989">Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Setting range	Initial setting	Change in value per step	A Margin	Scanner left margin	0.0 to 10.0	2.0	0.5 mm	B Margin	Scanner leading edge margin	0.0 to 10.0	2.0	0.5 mm	C Margin	Scanner right margin	0.0 to 10.0	2.0	0.5 mm	D Margin	Scanner trailing edge margin	0.0 to 10.0	2.0	0.5 mm	U039 (P.1-3-38)	U034 (P.1-3-34)	U402 (P.1-3-133)	U403
Display	Description	Setting range	Initial setting	Change in value per step																										
A Margin	Scanner left margin	0.0 to 10.0	2.0	0.5 mm																										
B Margin	Scanner leading edge margin	0.0 to 10.0	2.0	0.5 mm																										
C Margin	Scanner right margin	0.0 to 10.0	2.0	0.5 mm																										
D Margin	Scanner trailing edge margin	0.0 to 10.0	2.0	0.5 mm																										
U039 (P.1-3-38)	U034 (P.1-3-34)	U402 (P.1-3-133)	U403																											

Item No.	Description																																													
U404	<p data-bbox="288 241 997 275">Adjusting margins for scanning an original from the DP</p> <p data-bbox="288 309 438 342">Description</p> <p data-bbox="288 344 927 378">Adjusts margins for scanning the original from the DP.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 826 450">Make the adjustment if margins are incorrect.</p> <p data-bbox="288 483 443 517">Adjustment</p> <ol data-bbox="304 519 1182 685" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 696 1401 1305"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A Margin</td> <td>DP left margin</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>B Margin</td> <td>DP leading edge margin</td> <td>0.0 to 10.0</td> <td>2.5</td> <td>0.5 mm</td> </tr> <tr> <td>C Margin</td> <td>DP right margin</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>D Margin</td> <td>DP trailing edge margin</td> <td>0.0 to 10.0</td> <td>4.0</td> <td>0.5 mm</td> </tr> <tr> <td>A Margin (Back)</td> <td>DP left margin (second side)</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>B Margin (Back)</td> <td>DP leading edge margin (second side)</td> <td>0.0 to 10.0</td> <td>2.5</td> <td>0.5 mm</td> </tr> <tr> <td>C Margin (Back)</td> <td>DP right margin (second side)</td> <td>0.0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>D Margin (Back)</td> <td>DP trailing edge margin (second side)</td> <td>0.0 to 10.0</td> <td>4.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <ol data-bbox="304 1346 1423 1413" style="list-style-type: none"> 6. Change the setting value using the cursor left/right keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="564 1435 1230 1861" style="text-align: center;"> <p>DP leading edge margin (4.0 +1.5/-1.0 mm)</p> <p>DP left margin (2.5 +1.5/-2.0 mm)</p> <p>DP right margin (2.5 +1.5/-2.0 mm)</p> <p>DP trailing edge margin (4.0 mm or less)</p> </div> <p data-bbox="775 1883 946 1917">Figure 1-3-27</p> <ol data-bbox="304 1951 767 1984" style="list-style-type: none"> 7. Press the start key. The value is set. 	Display	Description	Setting range	Initial setting	Change in value per step	A Margin	DP left margin	0.0 to 10.0	3.0	0.5 mm	B Margin	DP leading edge margin	0.0 to 10.0	2.5	0.5 mm	C Margin	DP right margin	0.0 to 10.0	3.0	0.5 mm	D Margin	DP trailing edge margin	0.0 to 10.0	4.0	0.5 mm	A Margin (Back)	DP left margin (second side)	0.0 to 10.0	3.0	0.5 mm	B Margin (Back)	DP leading edge margin (second side)	0.0 to 10.0	2.5	0.5 mm	C Margin (Back)	DP right margin (second side)	0.0 to 10.0	3.0	0.5 mm	D Margin (Back)	DP trailing edge margin (second side)	0.0 to 10.0	4.0	0.5 mm
Display	Description	Setting range	Initial setting	Change in value per step																																										
A Margin	DP left margin	0.0 to 10.0	3.0	0.5 mm																																										
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D Margin (Back)	DP trailing edge margin (second side)	0.0 to 10.0	4.0	0.5 mm																																										

Item No.	Description
U404	<p data-bbox="292 241 395 271">Caution</p> <p data-bbox="292 277 1358 344">If the above adjustment does not optimize the margins, perform the following maintenance modes.</p> <div data-bbox="296 360 1358 456"><pre data-bbox="296 360 1358 456">graph LR; U039["U039 (P.1-3-38)"] --> U034["U034 (P.1-3-34)"]; U034 --> U402["U402 (P.1-3-133)"]; U402 --> U403["U403 (P.1-3-134)"]; U403 --> U404["U404"];</pre></div> <p data-bbox="292 506 440 535">Completion</p> <p data-bbox="292 542 1254 571">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

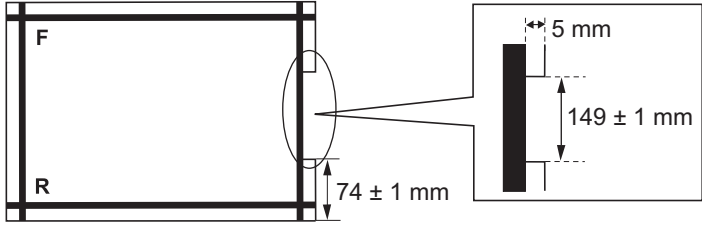
Item No.	Description										
U407	<p data-bbox="288 241 1134 275">Adjusting the leading edge registration for memory image printing</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1018 376">Adjusts the leading edge registration during memory copying.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1398 479">Make the following adjustment if there is a regular error between the leading edge of the copy image on the front face and that on the reverse face during duplex switchback copying.</p> <p data-bbox="288 517 392 546">Caution</p> <p data-bbox="288 551 1433 616">Before making this adjustment, ensure that the following adjustments have been made in maintenance mode</p> <div data-bbox="293 636 1433 842" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <pre> graph LR U034["U034 (P.1-3-33)"] --> U402["U402 (P.1-3-133)"] U402 --> U066["U066 (P.1-3-50)"] U066 --> U403["U403 (P.1-3-134)"] U403 --> U071["U071 (P.1-3-55)"] U071 --> Arrow1[] U404["U404 (P.1-3-135)"] --> U407["U407"] style Arrow1 width:0px,height:0px </pre> </div> <p data-bbox="288 893 442 925">Adjustment</p> <ol data-bbox="304 929 1058 1064" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. <table border="1" data-bbox="336 1077 1401 1240" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adj Data</td> <td>Leading edge registration for memory image printing</td> <td>-47 to 47</td> <td>0</td> <td>0.1 mm</td> </tr> </tbody> </table> <ol data-bbox="304 1256 1302 1321" style="list-style-type: none"> 5. Change the setting value using the +/- keys or numeric keys. For copy example 1, decrease the value. For copy example 2, increase the value. <div data-bbox="655 1344 1066 1585" style="text-align: center; margin: 10px 0;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;"> <p>Original</p> </div> <div style="text-align: center;"> <p>Copy example 1</p> </div> <div style="text-align: center;"> <p>Copy example 2</p> </div> </div> </div> <p data-bbox="775 1615 946 1644" style="text-align: center;">Figure 1-3-28</p> <ol data-bbox="304 1682 766 1713" style="list-style-type: none"> 6. Press the start key. The value is set. <p data-bbox="288 1751 440 1780">Completion</p> <p data-bbox="288 1785 1254 1816">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Adj Data	Leading edge registration for memory image printing	-47 to 47	0	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step							
Adj Data	Leading edge registration for memory image printing	-47 to 47	0	0.1 mm							

Item No.	Description																																								
U410	<p data-bbox="288 241 753 275">Adjusting the halftone automatically</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1390 409">Carries out processing for the data acquisition that is required in order to perform either automatic adjustment of the halftone or the ID correction operation.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1069 479">Performed when the quality of reproduced halftones has dropped.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1292 999" style="list-style-type: none"> 1. Press the start key. 2. Select [Normal Mode]. 3. Press the start key. A test patterns 1 and 2 are outputted. 4. Place the output test pattern 1 as the original. Place approximately 20 sheets of white paper on the test pattern 1 and set them. 5. Press the start key. Adjustment is made (first time). 6. Place the output test pattern 2 as the original. Place approximately 20 sheets of white paper on the test pattern 2 and set them. 7. Press the start key. Adjustment is made (second time). 8. When normally completed, [Finish] is displayed. If a problem occurs during auto adjustment, error code is displayed. <p data-bbox="336 1037 488 1066">Error codes</p> <table border="1" data-bbox="336 1081 1401 1514"> <thead> <tr> <th data-bbox="336 1081 488 1126">Codes</th> <th data-bbox="488 1081 871 1126">Description</th> <th data-bbox="871 1081 1019 1126">Codes</th> <th data-bbox="1019 1081 1401 1126">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1126 488 1171">S001</td> <td data-bbox="488 1126 871 1171">Patch not detected</td> <td data-bbox="871 1126 1019 1171">E001</td> <td data-bbox="1019 1126 1401 1171">Engine status error</td> </tr> <tr> <td data-bbox="336 1171 488 1261">S002</td> <td data-bbox="488 1171 871 1261">Original deviation in the main scanning direction</td> <td data-bbox="871 1171 1019 1216">E002</td> <td data-bbox="1019 1171 1401 1216">Engine sensor error</td> </tr> <tr> <td data-bbox="336 1261 488 1350">S003</td> <td data-bbox="488 1261 871 1350">Original deviation in the auxiliary scanning direction</td> <td data-bbox="871 1216 1019 1261">EFFF</td> <td data-bbox="1019 1216 1401 1261">Engine other error</td> </tr> <tr> <td data-bbox="336 1350 488 1373">S004</td> <td data-bbox="488 1350 871 1373">Original inclination error</td> <td data-bbox="871 1261 1019 1305">C001</td> <td data-bbox="1019 1261 1401 1305">Controller error</td> </tr> <tr> <td data-bbox="336 1373 488 1395">S005</td> <td data-bbox="488 1373 871 1395">Original type error</td> <td data-bbox="871 1305 1019 1350">C100</td> <td data-bbox="1019 1305 1401 1350">Adjustment value error</td> </tr> <tr> <td data-bbox="336 1395 488 1417">SFFF</td> <td data-bbox="488 1395 871 1417">Scanner other error</td> <td data-bbox="871 1350 1019 1395">C200</td> <td data-bbox="1019 1350 1401 1395">Adjustment value error</td> </tr> <tr> <td data-bbox="336 1417 488 1440">SFFF</td> <td data-bbox="488 1417 871 1440">Scanner other error</td> <td data-bbox="871 1395 1019 1440">CFFF</td> <td data-bbox="1019 1395 1401 1440">Controller other error</td> </tr> <tr> <td data-bbox="336 1440 488 1462">SFFF</td> <td data-bbox="488 1440 871 1462">Scanner other error</td> <td data-bbox="871 1440 1019 1462">CFFF</td> <td data-bbox="1019 1440 1401 1462">Controller other error</td> </tr> <tr> <td data-bbox="336 1462 488 1485">SFFF</td> <td data-bbox="488 1462 871 1485">Scanner other error</td> <td data-bbox="871 1462 1019 1485">CFFF</td> <td data-bbox="1019 1462 1401 1485">Controller other error</td> </tr> </tbody> </table> <p data-bbox="288 1561 440 1590">Completion</p> <p data-bbox="288 1594 1254 1626">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Codes	Description	Codes	Description	S001	Patch not detected	E001	Engine status error	S002	Original deviation in the main scanning direction	E002	Engine sensor error	S003	Original deviation in the auxiliary scanning direction	EFFF	Engine other error	S004	Original inclination error	C001	Controller error	S005	Original type error	C100	Adjustment value error	SFFF	Scanner other error	C200	Adjustment value error	SFFF	Scanner other error	CFFF	Controller other error	SFFF	Scanner other error	CFFF	Controller other error	SFFF	Scanner other error	CFFF	Controller other error
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U411	<p data-bbox="288 241 751 275">Adjusting the scanner automatically</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 409">Uses a specified original and automatically adjusts the following items in the scanner and the DP scanning sections.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1425 546">To perform automatic adjustment of various items in the scanner and the DP scanning sections. Perform adjustments using a new test chart (chart 1) when replacing ISC PWB, LED lamp PWB, ISU, CIS and/or DP main PWB.</p> <p data-bbox="288 589 387 618">Method</p> <ol data-bbox="304 622 564 687" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 698 1399 1512"> <thead> <tr> <th data-bbox="336 698 564 779">Display</th> <th data-bbox="564 698 1096 779">Description</th> <th data-bbox="1096 698 1399 779">Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 564 864">Table (Chart1)</td> <td data-bbox="564 779 1096 864">Automatic adjustment in the scanner section (chart 1)</td> <td data-bbox="1096 779 1399 864">7505000005</td> </tr> <tr> <td data-bbox="336 864 564 983">DP FaceUp (Chart1)</td> <td data-bbox="564 864 1096 983">Do not use. Automatic adjustment in the DP scanning section (first side) (chart 1)</td> <td data-bbox="1096 864 1399 983">7505000005</td> </tr> <tr> <td data-bbox="336 983 564 1066">DP FaceDown (Chart1)</td> <td data-bbox="564 983 1096 1066">Automatic adjustment in the DP scanning section (second side) (chart 1)</td> <td data-bbox="1096 983 1399 1066">7505000005</td> </tr> <tr> <td data-bbox="336 1066 564 1149">Table (Chart2)</td> <td data-bbox="564 1066 1096 1149">Automatic adjustment in the scanner section (chart 2)</td> <td data-bbox="1096 1066 1399 1149">302FZ56990</td> </tr> <tr> <td data-bbox="336 1149 564 1232">DP FaceUp (Chart2)</td> <td data-bbox="564 1149 1096 1232">Automatic adjustment in the DP scanning section (first side) (chart 2)</td> <td data-bbox="1096 1149 1399 1232">302AC68243</td> </tr> <tr> <td data-bbox="336 1232 564 1350">DP FaceDown (Chart2)</td> <td data-bbox="564 1232 1096 1350">Automatic adjustment in the DP scanning section (second side) (chart 2)</td> <td data-bbox="1096 1232 1399 1350">302AC68243/ 303JX57010/ 303JX57020</td> </tr> <tr> <td data-bbox="336 1350 564 1395">Target</td> <td data-bbox="564 1350 1096 1395">Set-up for obtaining the target value</td> <td data-bbox="1096 1350 1399 1395">-</td> </tr> <tr> <td data-bbox="336 1395 564 1512">DP Auto Adj</td> <td data-bbox="564 1395 1096 1512">Automatic adjustment of automatic document processor using the chart printed from the machine</td> <td data-bbox="1096 1395 1399 1512">-</td> </tr> </tbody> </table> <p data-bbox="288 1554 600 1585">Method: [Table (Chart1)]</p> <p data-bbox="288 1590 695 1619">To manually enter the target value</p> <ol data-bbox="304 1624 1259 1895" style="list-style-type: none"> 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the platen. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [Table (Chart1)]. 7. Select the item. 	Display	Description	Original to be used for adjustment (P/N)	Table (Chart1)	Automatic adjustment in the scanner section (chart 1)	7505000005	DP FaceUp (Chart1)	Do not use. Automatic adjustment in the DP scanning section (first side) (chart 1)	7505000005	DP FaceDown (Chart1)	Automatic adjustment in the DP scanning section (second side) (chart 1)	7505000005	Table (Chart2)	Automatic adjustment in the scanner section (chart 2)	302FZ56990	DP FaceUp (Chart2)	Automatic adjustment in the DP scanning section (first side) (chart 2)	302AC68243	DP FaceDown (Chart2)	Automatic adjustment in the DP scanning section (second side) (chart 2)	302AC68243/ 303JX57010/ 303JX57020	Target	Set-up for obtaining the target value	-	DP Auto Adj	Automatic adjustment of automatic document processor using the chart printed from the machine	-
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U411	<p>To automatically enter the target value</p> <ol style="list-style-type: none"> 1. Enter the value for [Adjust Original] using maintenance item U425. 2. Set a specified original (P/N: 7505000005) on the platen. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [Auto] and press the start key. 6. Select [Table (Chart1)]. 7. Select the item. <table border="1" data-bbox="336 562 1401 1028"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 651">All</td> <td data-bbox="639 607 1401 651">Executing the all scanner adjustment</td> </tr> <tr> <td data-bbox="336 651 639 696">LED/AGC</td> <td data-bbox="639 651 1401 696">Executing the adjustment for LED light quantity/AGC</td> </tr> <tr> <td data-bbox="336 696 639 741">White</td> <td data-bbox="639 696 1401 741">Executing the white reference compensation coefficient</td> </tr> <tr> <td data-bbox="336 741 639 831">Input</td> <td data-bbox="639 741 1401 831">Executing the adjustment for magnification, leading edge timing and center line</td> </tr> <tr> <td data-bbox="336 831 639 875">C.A.</td> <td data-bbox="639 831 1401 875">Executing the adjustment for chromatic aberration filter</td> </tr> <tr> <td data-bbox="336 875 639 920">MTF</td> <td data-bbox="639 875 1401 920">Executing the adjustment for MTF filter</td> </tr> <tr> <td data-bbox="336 920 639 965">Gamma</td> <td data-bbox="639 920 1401 965">Executing the adjustment for input gamma</td> </tr> <tr> <td data-bbox="336 965 639 1010">Matrix</td> <td data-bbox="639 965 1401 1010">Executing the adjustment for matrix</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Press the start key. Auto adjustment starts. <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Method: [DP FaceUp (Chart1)]</p> <p>To manually enter the target value</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the DP face up. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [DP FaceUp (Chart1)]. 7. Select [Input]. <p>To automatically enter the target value</p> <ol style="list-style-type: none"> 1. Enter the value for [Adjust Original] using maintenance item U425. 2. Set a specified original (P/N: 7505000005) on the DP face up. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [Auto] and press the start key. 6. Select [DP FaceUp (Chart1)]. 7. Select [Input]. 	Display	Description	All	Executing the all scanner adjustment	LED/AGC	Executing the adjustment for LED light quantity/AGC	White	Executing the white reference compensation coefficient	Input	Executing the adjustment for magnification, leading edge timing and center line	C.A.	Executing the adjustment for chromatic aberration filter	MTF	Executing the adjustment for MTF filter	Gamma	Executing the adjustment for input gamma	Matrix	Executing the adjustment for matrix
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U411	<table border="1" data-bbox="336 286 1401 383"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 639 383">Input</td> <td data-bbox="639 331 1401 383">Executing the adjustment for input gamma and matrix</td> </tr> </tbody> </table> <p data-bbox="304 392 845 421">8. Press the start key. Auto adjustment starts.</p> <p data-bbox="336 427 1409 562">* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p data-bbox="288 600 710 629">Method: [DP FaceDown (Chart1)]</p> <p data-bbox="288 636 695 665">To manually enter the target value</p> <ol data-bbox="304 672 1259 943" style="list-style-type: none"> 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the DP face down. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [DP FaceDown (Chart1)]. 7. Select [All]. <p data-bbox="288 981 743 1010">To automatically enter the target value</p> <ol data-bbox="304 1016 1120 1254" style="list-style-type: none"> 1. Enter the value for [Adjust Original] using maintenance item U425. 2. Set a specified original (P/N: 7505000005) on the DP face down. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [Auto] and press the start key. 6. Select [DP FaceDown (Chart1)]. 7. Select [All]. <table border="1" data-bbox="336 1301 1401 1464"> <thead> <tr> <th data-bbox="336 1301 639 1346">Display</th> <th data-bbox="639 1301 1401 1346">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1346 639 1464">All</td> <td data-bbox="639 1346 1401 1464">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix</td> </tr> </tbody> </table> <p data-bbox="304 1473 845 1503">8. Press the start key. Auto adjustment starts.</p> <p data-bbox="336 1509 1409 1644">* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p>	Display	Description	Input	Executing the adjustment for input gamma and matrix	Display	Description	All	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix
Display	Description								
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Item No.	Description																		
U411	<p>Method: [Table (Chart2)]</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown on the back of the specified original (P/N: 302FZ56990) executing maintenance item U425. 2. Set a specified original on the platen. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [Table (Chart2)]. 7. Select the item. <table border="1" data-bbox="336 562 1401 931"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>All</td> <td>Executing the all scanner adjustment</td> </tr> <tr> <td>Input</td> <td>Executing the adjustment for magnification, leading edge timing and center line</td> </tr> <tr> <td>C.A.</td> <td>Executing the adjustment for chromatic aberration filter</td> </tr> <tr> <td>MTF</td> <td>Executing the adjustment for MTF filter</td> </tr> <tr> <td>Gamma</td> <td>Executing the adjustment for input gamma</td> </tr> <tr> <td>Matrix</td> <td>Executing the adjustment for matrix</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Press the start key. Auto adjustment starts. <ul style="list-style-type: none"> * : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning. <p>Method: [DP FaceUp (Chart2)]</p> <ol style="list-style-type: none"> 1. Measure the leading edge, main scanning, and auxiliary scanning of the specified original (P/N: 302AC68243) and enter the values by executing maintenance item U425. 2. Set a specified original (P/N: 302AC68243) on the DP. Cut the trailing edge of the original.  <p style="text-align: center;">Figure 1-3-29</p> <ol style="list-style-type: none"> 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [DP FaceUp (Chart2)]. 7. Select [INPUT]. <table border="1" data-bbox="336 1816 1401 1944"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td>Executing the adjustment in the DP scanning section (first side) for magnification, leading edge timing and center line</td> </tr> </tbody> </table>	Display	Description	All	Executing the all scanner adjustment	Input	Executing the adjustment for magnification, leading edge timing and center line	C.A.	Executing the adjustment for chromatic aberration filter	MTF	Executing the adjustment for MTF filter	Gamma	Executing the adjustment for input gamma	Matrix	Executing the adjustment for matrix	Display	Description	Input	Executing the adjustment in the DP scanning section (first side) for magnification, leading edge timing and center line
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U411	<p>8. Press the start key. Auto adjustment starts.</p> <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Method: [DP FaceDown (Chart2)]</p> <ol style="list-style-type: none"> Place the specified original for acquiring gamma target data (P/N: 303JX57010) on the platen, and press the start key. Place the specified original for acquiring matrix target data (P/N: 303JX57020) on the platen, and press the start key. When normally completed, [OK] is displayed. Select the item. <table border="1" data-bbox="336 701 1401 1249"> <thead> <tr> <th data-bbox="336 701 564 779">Display</th> <th data-bbox="564 701 1098 779">Description</th> <th data-bbox="1098 701 1401 779">Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 564 936">All</td> <td data-bbox="564 779 1098 936">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix</td> <td data-bbox="1098 779 1401 936">302AC68243/ 303JX57010/ 303JX57020</td> </tr> <tr> <td data-bbox="336 936 564 1048">Input</td> <td data-bbox="564 936 1098 1048">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing and center line</td> <td data-bbox="1098 936 1401 1048">302AC68243</td> </tr> <tr> <td data-bbox="336 1048 564 1171">MTF/Gamma</td> <td data-bbox="564 1048 1098 1171">Executing the adjustment in the DP scanning section (second side) for MTF filter and input gamma</td> <td data-bbox="1098 1048 1401 1171">303JX57010</td> </tr> <tr> <td data-bbox="336 1171 564 1249">Matrix</td> <td data-bbox="564 1171 1098 1249">Executing the adjustment in the DP scanning section (second side) for matrix</td> <td data-bbox="1098 1171 1401 1249">303JX57020</td> </tr> </tbody> </table> <p>[Input]</p> <ol style="list-style-type: none"> Select [Input]. Set a specified original (P/N: 302AC6824) on the DP face down. Press the start key. Auto adjustment starts. <p>[MTF/Gamma]</p> <ol style="list-style-type: none"> Select [MTF/Gamma]. Set a specified original (P/N: 303JX57010) on the DP face down. Press the start key. Auto adjustment starts. <p>[Matrix]</p> <ol style="list-style-type: none"> Select [Matrix]. Set a specified original (P/N: 303JX57020) on the DP face down. Press the start key. Auto adjustment starts. <p>When [ALL] is selected, the adjustment of [Input], [MTF/Gamma] and [Matrix] can be executed at once. When adjusting, place the three specified originals on the DP face down, and then press the start key. Set the original 303JX57020, and then place 303JX57010 and 302AC68243 in order on the top of the original.</p>	Display	Description	Original to be used for adjustment (P/N)	All	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix	302AC68243/ 303JX57010/ 303JX57020	Input	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing and center line	302AC68243	MTF/Gamma	Executing the adjustment in the DP scanning section (second side) for MTF filter and input gamma	303JX57010	Matrix	Executing the adjustment in the DP scanning section (second side) for matrix	303JX57020
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MTF/Gamma	Executing the adjustment in the DP scanning section (second side) for MTF filter and input gamma	303JX57010														
Matrix	Executing the adjustment in the DP scanning section (second side) for matrix	303JX57020														

Item No.	Description																																						
U411	<p data-bbox="336 241 1409 376">* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p data-bbox="288 416 576 445">Method: [DP Auto Adj]</p> <ol data-bbox="304 450 1102 757" style="list-style-type: none"> 1. Load A4/letter paper. 2. Press the start key to output the original for adjustment. 3. Set the output the original for adjustment and press the start key. 4. Set the output the original for adjustment on the DP face up. 5. Press the start key to scan documents. 6. Press the start key. Auto adjustment of first side starts. 7. Set the output the original for adjustment on the DP face down. 8. Press the start key to scan documents. 9. Press the start key. Auto adjustment of second side starts. <p data-bbox="336 761 1409 896">* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p data-bbox="336 936 491 965">Error Codes</p> <table border="1" data-bbox="336 976 1401 1991"> <thead> <tr> <th data-bbox="336 976 451 1021">Codes</th> <th data-bbox="451 976 1401 1021">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1021 451 1111">01</td> <td data-bbox="451 1021 1401 1111">Black band detection error (scanner auxiliary scanning direction leading edge skew)</td> </tr> <tr> <td data-bbox="336 1111 451 1155">02</td> <td data-bbox="451 1111 1401 1155">Black band detection error (scanner main scanning direction far end skew)</td> </tr> <tr> <td data-bbox="336 1155 451 1200">03</td> <td data-bbox="451 1155 1401 1200">Black band detection error (scanner main scanning direction near end skew)</td> </tr> <tr> <td data-bbox="336 1200 451 1290">03</td> <td data-bbox="451 1200 1401 1290">Black band detection error (scanner auxiliary scanning direction trailing edge skew)</td> </tr> <tr> <td data-bbox="336 1290 451 1335">04</td> <td data-bbox="451 1290 1401 1335">Black band is not detected (scanner auxiliary scanning direction leading edge)</td> </tr> <tr> <td data-bbox="336 1335 451 1379">05</td> <td data-bbox="451 1335 1401 1379">Black band is not detected (scanner main scanning direction far end)</td> </tr> <tr> <td data-bbox="336 1379 451 1424">06</td> <td data-bbox="451 1379 1401 1424">Black band is not detected (scanner main scanning direction near end)</td> </tr> <tr> <td data-bbox="336 1424 451 1469">07</td> <td data-bbox="451 1424 1401 1469">Black band is not detected (scanner auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1469 451 1514">08</td> <td data-bbox="451 1469 1401 1514">Black band is not detected (DP main scanning direction far end)</td> </tr> <tr> <td data-bbox="336 1514 451 1559">09</td> <td data-bbox="451 1514 1401 1559">Black band is not detected (DP main scanning direction near end)</td> </tr> <tr> <td data-bbox="336 1559 451 1626">0a</td> <td data-bbox="451 1559 1401 1626">Black band is not detected (DP auxiliary scanning direction leading edge)</td> </tr> <tr> <td data-bbox="336 1626 451 1715">0b</td> <td data-bbox="451 1626 1401 1715">Black band is not detected (DP auxiliary scanning direction leading edge original check)</td> </tr> <tr> <td data-bbox="336 1715 451 1760">0c</td> <td data-bbox="451 1715 1401 1760">Black band is not detected (DP auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1760 451 1805">0d</td> <td data-bbox="451 1760 1401 1805">White band is not detected (DP auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1805 451 1850">0e</td> <td data-bbox="451 1805 1401 1850">DMA time out</td> </tr> <tr> <td data-bbox="336 1850 451 1895">0f</td> <td data-bbox="451 1850 1401 1895">Auxiliary scanning direction magnification error</td> </tr> <tr> <td data-bbox="336 1895 451 1939">10</td> <td data-bbox="451 1895 1401 1939">Auxiliary scanning direction leading edge error</td> </tr> <tr> <td data-bbox="336 1939 451 1984">11</td> <td data-bbox="451 1939 1401 1984">Auxiliary scanning direction trailing edge error</td> </tr> </tbody> </table>	Codes	Description	01	Black band detection error (scanner auxiliary scanning direction leading edge skew)	02	Black band detection error (scanner main scanning direction far end skew)	03	Black band detection error (scanner main scanning direction near end skew)	03	Black band detection error (scanner auxiliary scanning direction trailing edge skew)	04	Black band is not detected (scanner auxiliary scanning direction leading edge)	05	Black band is not detected (scanner main scanning direction far end)	06	Black band is not detected (scanner main scanning direction near end)	07	Black band is not detected (scanner auxiliary scanning direction trailing edge)	08	Black band is not detected (DP main scanning direction far end)	09	Black band is not detected (DP main scanning direction near end)	0a	Black band is not detected (DP auxiliary scanning direction leading edge)	0b	Black band is not detected (DP auxiliary scanning direction leading edge original check)	0c	Black band is not detected (DP auxiliary scanning direction trailing edge)	0d	White band is not detected (DP auxiliary scanning direction trailing edge)	0e	DMA time out	0f	Auxiliary scanning direction magnification error	10	Auxiliary scanning direction leading edge error	11	Auxiliary scanning direction trailing edge error
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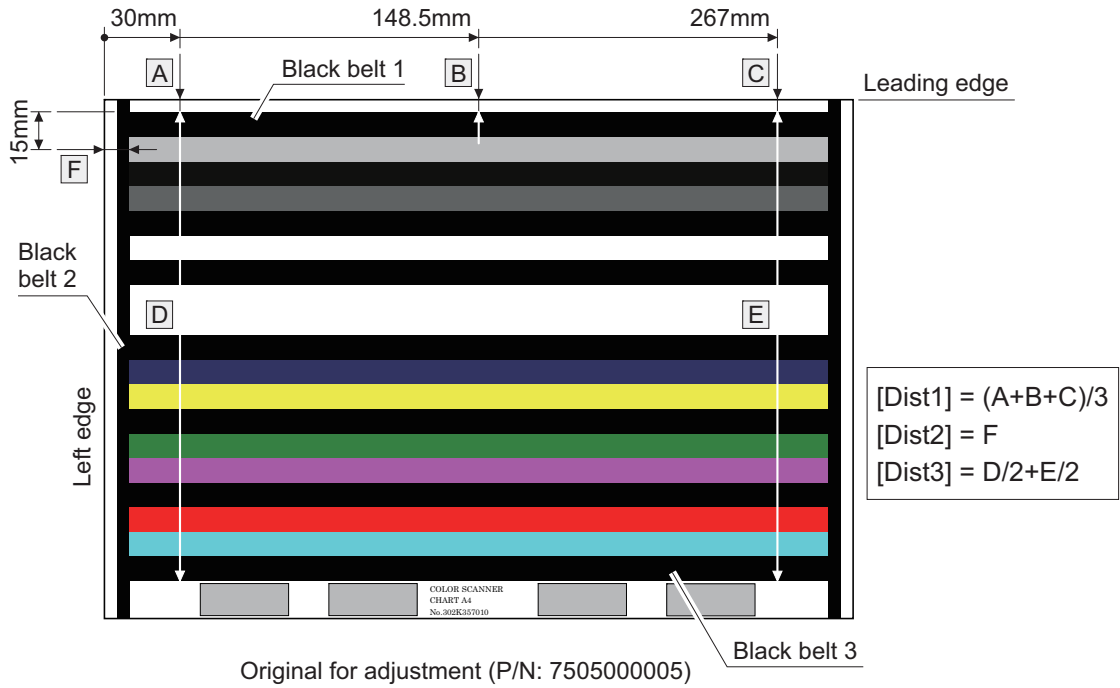
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U411	<p data-bbox="335 241 494 273">Error Codes</p> <table border="1" data-bbox="335 286 1401 1052"> <thead> <tr> <th data-bbox="343 297 446 331">Codes</th> <th data-bbox="446 297 1393 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 342 446 376">12</td> <td data-bbox="446 342 1393 376">DP uxiliary scanning direction skew error</td> </tr> <tr> <td data-bbox="343 387 446 421">13</td> <td data-bbox="446 387 1393 421">Maintenance request error</td> </tr> <tr> <td data-bbox="343 432 446 465">14</td> <td data-bbox="446 432 1393 465">Main scanning direction center line error</td> </tr> <tr> <td data-bbox="343 477 446 510">15</td> <td data-bbox="446 477 1393 510">DP main scanning direction skew error</td> </tr> <tr> <td data-bbox="343 521 446 555">16</td> <td data-bbox="446 521 1393 555">Main scanning direction magnification error</td> </tr> <tr> <td data-bbox="343 566 446 600">17</td> <td data-bbox="446 566 1393 600">Service call error</td> </tr> <tr> <td data-bbox="343 611 446 645">18</td> <td data-bbox="446 611 1393 645">DP paper misfeed error</td> </tr> <tr> <td data-bbox="343 656 446 689">19</td> <td data-bbox="446 656 1393 689">PWB replacement error</td> </tr> <tr> <td data-bbox="343 701 446 734">1a</td> <td data-bbox="446 701 1393 734">Original error</td> </tr> <tr> <td data-bbox="343 745 446 779">1b</td> <td data-bbox="446 745 1393 779">Input gamma adjustment original error</td> </tr> <tr> <td data-bbox="343 790 446 824">1c</td> <td data-bbox="446 790 1393 824">Matrix adjustment original error</td> </tr> <tr> <td data-bbox="343 835 446 869">1d</td> <td data-bbox="446 835 1393 869">Original for the white reference compensation coefficient error</td> </tr> <tr> <td data-bbox="343 880 446 913">1e</td> <td data-bbox="446 880 1393 913">Lab value searching error</td> </tr> <tr> <td data-bbox="343 925 446 958">1f</td> <td data-bbox="446 925 1393 958">Lab value comparing error</td> </tr> <tr> <td data-bbox="343 969 446 1003">63</td> <td data-bbox="446 969 1393 1003">Completed to obtain a test RAW</td> </tr> </tbody> </table> <p data-bbox="287 1104 438 1135">Completion</p> <p data-bbox="287 1137 1252 1169">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Codes	Description	12	DP uxiliary scanning direction skew error	13	Maintenance request error	14	Main scanning direction center line error	15	DP main scanning direction skew error	16	Main scanning direction magnification error	17	Service call error	18	DP paper misfeed error	19	PWB replacement error	1a	Original error	1b	Input gamma adjustment original error	1c	Matrix adjustment original error	1d	Original for the white reference compensation coefficient error	1e	Lab value searching error	1f	Lab value comparing error	63	Completed to obtain a test RAW
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U412	<p data-bbox="288 241 667 275">Adjusting the uneven density</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1426 412">Adjusts the uneven developer/transfer density in the drum axis direction by scanning directly the density distribution of test pattern with the scanner and adjusting LSU light quantity.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1027 479">To perform when replacing the drum unit or laser scanner unit.</p> <p data-bbox="288 483 1054 512">When completed, perform maintenance mode U464, Calibration.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 564 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 665 1401 808"> <thead> <tr> <th data-bbox="336 665 639 712">Display</th> <th data-bbox="639 665 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 759">Normal Mode</td> <td data-bbox="639 712 1401 759">Executing the uneven density correction</td> </tr> <tr> <td data-bbox="336 759 639 808">On/Off Config</td> <td data-bbox="639 759 1401 808">Uneven density correction ON/OFF setting</td> </tr> </tbody> </table> <p data-bbox="288 851 592 880">Method: [Normal Mode]</p> <ol data-bbox="304 884 1406 1469" style="list-style-type: none"> 1. Select [Default Value]. A test pattern is outputted with the initial light quantity setting. (1st sheet) 2. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 3. Press the start key. the correction starts. 4. After the correction is completed, and press the start key. A test pattern is outputted. (2nd sheet) A test pattern is outputted with light quantity setting lower than the 1st test pattern by 20%. 5. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 6. Press the start key. the correction starts. 7. After the correction is completed, and press the start key. A test pattern is outputted. (3rd sheet) 8. Place approximately 20 sheets of white paper on the output test pattern and place as the original. 9. Press the start key. The correction result is checked. When normally completed, [OK] is displayed. <p data-bbox="288 1509 488 1538">Retry (1st time)</p> <ol data-bbox="304 1543 1078 1608" style="list-style-type: none"> 10. If the correction is not completed normally, [Retry] is displayed. 11. Repeat steps 4 and 9. <p data-bbox="288 1648 496 1677">Retry (2nd time)</p> <ol data-bbox="304 1682 1123 1780" style="list-style-type: none"> 12. If the correction is not completed normally, [Retry] is displayed. 13. Repeat steps 4 and 9. If a problem occurs during auto correction, error code is displayed. 	Display	Description	Normal Mode	Executing the uneven density correction	On/Off Config	Uneven density correction ON/OFF setting
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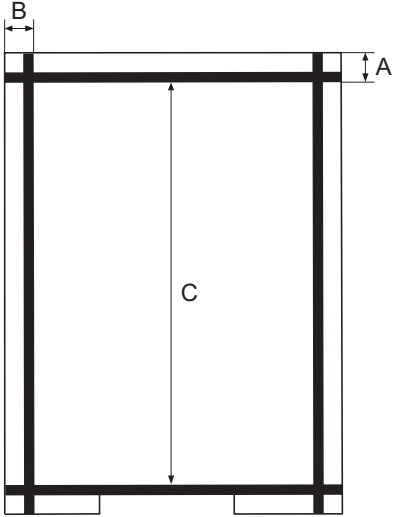
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U415	<p data-bbox="288 241 821 275">Adjusting the print position automatically</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 991 412">Automatically adjusts timings at the print engine. Adjustment for leading edge timing, center line and margin.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1034 479">Used to make respective auto adjustments for the print engine.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1145 896" style="list-style-type: none"> 1. Load A3/ledger paper. Load A4/Letter when cassette 3 or 4 is used. 2. Press the start key. 3. Select [Execute]. 4. Press the start key. A test pattern is outputted 5. Set the output test pattern as the original. 6. Press the start key. Automatically performs adjustment from the top to bottom cassettes. 7. When normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed. <p data-bbox="336 934 491 963">Error Codes</p> <table border="1" data-bbox="336 976 1399 1888"> <thead> <tr> <th data-bbox="336 976 549 1021">Codes</th> <th data-bbox="549 976 1399 1021">Description</th> </tr> </thead> <tbody> <tr><td>S001</td><td>Black band is not detected (main scanning direction far end)</td></tr> <tr><td>S002</td><td>Black band is not detected (main scanning direction near end)</td></tr> <tr><td>S003</td><td>Black band is not detected (auxiliary scanning direction leading edge)</td></tr> <tr><td>S004</td><td>Black band is not detected (auxiliary scanning direction trailing edge)</td></tr> <tr><td>S005</td><td>Auxiliary scanning direction skew error (1.5 mm or more)</td></tr> <tr><td>S006</td><td>Main scanning direction skew error (1.5 mm or more)</td></tr> <tr><td>S007</td><td>Original error (detection of reverse original paper)</td></tr> <tr><td>S008</td><td>Original error (page mismatch)</td></tr> <tr><td>SFFF</td><td>Scanner other error</td></tr> <tr><td>C101</td><td>Adjustment value error (main scanning direction magnification)</td></tr> <tr><td>C102</td><td>Adjustment value error (auxiliary scanning direction magnification)</td></tr> <tr><td>C103</td><td>Adjustment value error (leading edge timing)</td></tr> <tr><td>C104</td><td>Adjustment value error (center line)</td></tr> <tr><td>C105</td><td>Adjustment value error (B margin)</td></tr> <tr><td>C106</td><td>Adjustment value error (A margin)</td></tr> <tr><td>C107</td><td>Adjustment value error (C margin)</td></tr> <tr><td>C108</td><td>Adjustment value error (D margin)</td></tr> <tr><td>CFFF</td><td>Controller other error</td></tr> </tbody> </table> <p data-bbox="288 1928 440 1957">Completion</p> <p data-bbox="288 1962 1254 1991">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Codes	Description	S001	Black band is not detected (main scanning direction far end)	S002	Black band is not detected (main scanning direction near end)	S003	Black band is not detected (auxiliary scanning direction leading edge)	S004	Black band is not detected (auxiliary scanning direction trailing edge)	S005	Auxiliary scanning direction skew error (1.5 mm or more)	S006	Main scanning direction skew error (1.5 mm or more)	S007	Original error (detection of reverse original paper)	S008	Original error (page mismatch)	SFFF	Scanner other error	C101	Adjustment value error (main scanning direction magnification)	C102	Adjustment value error (auxiliary scanning direction magnification)	C103	Adjustment value error (leading edge timing)	C104	Adjustment value error (center line)	C105	Adjustment value error (B margin)	C106	Adjustment value error (A margin)	C107	Adjustment value error (C margin)	C108	Adjustment value error (D margin)	CFFF	Controller other error
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U425	<p data-bbox="288 241 512 275">Setting the target</p> <p data-bbox="288 309 440 342">Description Enters the lab values that is indicated of the chart 1 (P/N: 7505000005) or chart 2 (P/N: 302FZ56990) used for adjustment.</p> <p data-bbox="288 416 400 450">Purpose Performs data input in order to correct for differences in originals during automatic adjustment.</p> <p data-bbox="288 517 387 551">Method 1. Press the start key. Select the chart to be used.</p> <table border="1" data-bbox="336 629 1401 775"> <thead> <tr> <th data-bbox="336 629 639 674">Display</th> <th data-bbox="639 629 1401 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 639 719">Chart1</td> <td data-bbox="639 674 1401 719">Chart 1 (P/N: 7505000005)</td> </tr> <tr> <td data-bbox="336 719 639 775">Chart2</td> <td data-bbox="639 719 1401 775">Chart 2 (P/N: 302FZ56990)</td> </tr> </tbody> </table> <p data-bbox="288 819 507 853">Method: [Chart1] 1. Press the start key. 2. Select the item to be set.</p> <table border="1" data-bbox="336 931 1401 1552"> <thead> <tr> <th data-bbox="336 931 639 976">Display</th> <th data-bbox="639 931 1401 976">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 976 639 1021">White</td> <td data-bbox="639 976 1401 1021">Setting the white patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1021 639 1066">Black</td> <td data-bbox="639 1021 1401 1066">Setting the black patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1066 639 1111">Gray1</td> <td data-bbox="639 1066 1401 1111">Setting the Gray1 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1111 639 1155">Gray2</td> <td data-bbox="639 1111 1401 1155">Setting the Gray2 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1155 639 1200">Gray3</td> <td data-bbox="639 1155 1401 1200">Setting the Gray3 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1200 639 1245">C</td> <td data-bbox="639 1200 1401 1245">Setting the cyan patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1245 639 1290">M</td> <td data-bbox="639 1245 1401 1290">Setting the magenta patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1290 639 1335">Y</td> <td data-bbox="639 1290 1401 1335">Setting the yellow patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1335 639 1379">R</td> <td data-bbox="639 1335 1401 1379">Setting the red patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1379 639 1424">G</td> <td data-bbox="639 1379 1401 1424">Setting the green patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1424 639 1469">B</td> <td data-bbox="639 1424 1401 1469">Setting the blue patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1469 639 1552">Adjust Original</td> <td data-bbox="639 1469 1401 1552">Setting the main and auxiliary scanning directions</td> </tr> </tbody> </table> <p data-bbox="288 1563 632 1597">3. Select the item to be set.</p> <table border="1" data-bbox="336 1608 1401 1798"> <thead> <tr> <th data-bbox="336 1608 639 1653">Display</th> <th data-bbox="639 1608 1018 1653">Description</th> <th data-bbox="1018 1608 1401 1653">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1653 639 1697">L</td> <td data-bbox="639 1653 1018 1697">Setting the L value</td> <td data-bbox="1018 1653 1401 1697">0.0 to 100.0</td> </tr> <tr> <td data-bbox="336 1697 639 1742">a</td> <td data-bbox="639 1697 1018 1742">Setting the a value</td> <td data-bbox="1018 1697 1401 1742">-200.0 to 200.0</td> </tr> <tr> <td data-bbox="336 1742 639 1798">b</td> <td data-bbox="639 1742 1018 1798">Setting the b value</td> <td data-bbox="1018 1742 1401 1798">-200.0 to 200.0</td> </tr> </tbody> </table> <p data-bbox="288 1809 1430 1877">4. Enters the value that is indicated on the face of the chart using the +/- keys or numeric keys. 5. Press the start key. The value is set.</p>	Display	Description	Chart1	Chart 1 (P/N: 7505000005)	Chart2	Chart 2 (P/N: 302FZ56990)	Display	Description	White	Setting the white patch for the original for adjustment	Black	Setting the black patch for the original for adjustment	Gray1	Setting the Gray1 patch for the original for adjustment	Gray2	Setting the Gray2 patch for the original for adjustment	Gray3	Setting the Gray3 patch for the original for adjustment	C	Setting the cyan patch for the original for adjustment	M	Setting the magenta patch for the original for adjustment	Y	Setting the yellow patch for the original for adjustment	R	Setting the red patch for the original for adjustment	G	Setting the green patch for the original for adjustment	B	Setting the blue patch for the original for adjustment	Adjust Original	Setting the main and auxiliary scanning directions	Display	Description	Setting range	L	Setting the L value	0.0 to 100.0	a	Setting the a value	-200.0 to 200.0	b	Setting the b value	-200.0 to 200.0
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Item No.	Description
U425	<p>Setting: [Adjust Original]</p> <ol style="list-style-type: none"> Measure the distance from the leading edge to the top of black belt 1 of the original at A, B and C. Measurement procedure <ol style="list-style-type: none"> Measure the distance from the leading edge to the top of black belt 1 of the original at A (30 mm from the left edge), B (148.5 mm from the left edge) and C (267 mm from the left edge), respectively. Apply the following formula for the values obtained: $((A + B + C) / 3)$ Enter the values solved using the cursor left/right keys or numeric keys in [Dist1]. Press the start key. The value is set. Measure the distance from the left edge to the right edge black belt 2 of the original at F. Measurement procedure <ol style="list-style-type: none"> Measure the distance from the left edge to the right edge black belt 2 of the original at F (15 mm from the top edge of black belt 1). Enter the values using the cursor left/right keys or numeric keys in [Dist2]. Press the start key. The value is set. Measure the distance from the top edge of black belt 1 to the bottom of black belt 3 of the original at D and E. Measurement procedure <ol style="list-style-type: none"> Measure the distance from the top edge of black belt 1 to the bottom of black belt 3 of the original at D (30 mm from the left edge) and E (267 mm from the left edge), respectively. Apply the following formula for the values obtained: $(D/2 + E/2)$ Enter the measured value using the cursor left/right keys or numeric keys in [Dist3]. Press the start key. The value is set.  <p style="text-align: center;">Original for adjustment (P/N: 7505000005)</p> <p style="text-align: center;">Figure 1-3-30</p>

Item No.	Description																																										
U425	<p data-bbox="288 241 507 271">Method: [Chart2]</p> <p data-bbox="288 277 564 338">1. Press the start key. 2. Select the item.</p> <table border="1" data-bbox="336 353 1401 616"> <thead> <tr> <th data-bbox="336 353 639 398">Display</th> <th data-bbox="639 353 1401 398">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 639 488">CCD</td> <td data-bbox="639 398 1401 488">Entering the target values of the chart (P/N: 302FZ56990) used for adjustment</td> </tr> <tr> <td data-bbox="336 488 639 566">DP</td> <td data-bbox="639 488 1401 566">Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment</td> </tr> <tr> <td data-bbox="336 566 639 616">CIS</td> <td data-bbox="639 566 1401 616">Execution is not required</td> </tr> </tbody> </table> <p data-bbox="288 656 480 685">Method: [CCD]</p> <p data-bbox="288 692 632 721">1. Select the item to be set.</p> <table border="1" data-bbox="336 734 1401 1261"> <thead> <tr> <th data-bbox="336 734 639 779">Display</th> <th data-bbox="639 734 1401 779">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 639 824">N875</td> <td data-bbox="639 779 1401 824">Setting the N875 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 824 639 869">N475</td> <td data-bbox="639 824 1401 869">Setting the N475 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 869 639 913">N125</td> <td data-bbox="639 869 1401 913">Setting the N125 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 913 639 958">C</td> <td data-bbox="639 913 1401 958">Setting the cyan patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 958 639 1003">M</td> <td data-bbox="639 958 1401 1003">Setting the magenta patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1003 639 1048">Y</td> <td data-bbox="639 1003 1401 1048">Setting the yellow patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1048 639 1093">R</td> <td data-bbox="639 1048 1401 1093">Setting the red patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1093 639 1137">G</td> <td data-bbox="639 1093 1401 1137">Setting the green patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1137 639 1182">B</td> <td data-bbox="639 1137 1401 1182">Setting the blue patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1182 639 1261">Adjust Original</td> <td data-bbox="639 1182 1401 1261">Setting the main and auxiliary scanning directions</td> </tr> </tbody> </table> <p data-bbox="288 1272 632 1301">2. Select the item to be set.</p> <table border="1" data-bbox="336 1317 1401 1507"> <thead> <tr> <th data-bbox="336 1317 639 1361">Display</th> <th data-bbox="639 1317 1018 1361">Description</th> <th data-bbox="1018 1317 1401 1361">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1361 639 1406">L</td> <td data-bbox="639 1361 1018 1406">Setting the L value</td> <td data-bbox="1018 1361 1401 1406">0.0 to 100.0</td> </tr> <tr> <td data-bbox="336 1406 639 1451">a</td> <td data-bbox="639 1406 1018 1451">Setting the a value</td> <td data-bbox="1018 1406 1401 1451">-200.0 to 200.0</td> </tr> <tr> <td data-bbox="336 1451 639 1507">b</td> <td data-bbox="639 1451 1018 1507">Setting the b value</td> <td data-bbox="1018 1451 1401 1507">-200.0 to 200.0</td> </tr> </tbody> </table> <p data-bbox="288 1518 1433 1579">3. Enters the value that is indicated on the back of the chart using the +/- keys or numeric keys. 4. Press the start key. The value is set.</p>	Display	Description	CCD	Entering the target values of the chart (P/N: 302FZ56990) used for adjustment	DP	Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment	CIS	Execution is not required	Display	Description	N875	Setting the N875 patch for the original for adjustment	N475	Setting the N475 patch for the original for adjustment	N125	Setting the N125 patch for the original for adjustment	C	Setting the cyan patch for the original for adjustment	M	Setting the magenta patch for the original for adjustment	Y	Setting the yellow patch for the original for adjustment	R	Setting the red patch for the original for adjustment	G	Setting the green patch for the original for adjustment	B	Setting the blue patch for the original for adjustment	Adjust Original	Setting the main and auxiliary scanning directions	Display	Description	Setting range	L	Setting the L value	0.0 to 100.0	a	Setting the a value	-200.0 to 200.0	b	Setting the b value	-200.0 to 200.0
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b	Setting the b value	-200.0 to 200.0																																									

Item No.	Description
U425	<p>Setting: [Adjust Original]</p> <ol style="list-style-type: none"> 1. Measure the distance from the left edge to the black belt (a) of the original at A, B and C. Measurement procedure <ol style="list-style-type: none"> 1) Measure the distance from the edge to the black belt (a) of the original at A (30 mm from the leading edge), B (148.5 mm from the leading edge) and C (267 mm from the leading edge), respectively. 2) Apply the following formula for the values obtained: $((A + C) / 2 + B) / 2$ 2. Enter the values solved using the cursor left/right keys or numeric keys in [Lead]. 3. Press the start key. The value is set. 4. Measure the distance from the leading edge to the black belt (b) of the original at D, E and F. Measurement procedure <ol style="list-style-type: none"> 1) Measure the distance from the edge to the black belt (b) of the original at D (35 mm from the left edge), E (110 mm from the left edge) and F (185 mm from the left edge), respectively. 2) Apply the following formula for the values obtained: $((D + F) / 2 + E) / 2$ 5. Enter the values solved using the cursor left/right keys or numeric keys in [Main Scan]. 6. Press the start key. The value is set. 7. Measure the length (G) from the edge of the black belt (a) to edge of N475 of the original. 8. Enter the measured value using the cursor left/right keys or numeric keys in [Sub Scan]. 9. Press the start key. The value is set.
	<p style="text-align: center;">Original for adjustment (P/N: 302FZ56990)</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>[Lead] = $((A + C) / 2 + B) / 2$</p> <p>[Main Scan] = $((D + F) / 2 + E) / 2$</p> <p>[Sub Scan] = G</p> </div>
	Figure 1-3-31

Item No.	Description
U425	<p>Setting: [DP]</p> <ol style="list-style-type: none"> 1. Measure the distance from the leading edge to the black belt (inside) of the original at A. 2. Enter the measured value using the +/- keys in [Lead]. 3. Measure the distance from the left edge to the black belt (inside) of the original at B. 4. Enter the measured value using the +/- keys in [Main Scan]. 5. Measure the distance from the black belt of leading edge (inside) to the black belt of trailing edge (inside) of the original at C. 6. Enter the measured value using the +/- keys in [Sub Scan]. 7. Press the start key. The value is set. <div style="text-align: center;">  <p>Original for adjustment (P/N: 302AC68243)</p> </div> <p style="text-align: center;">Figure 1-3-32</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																																				
U460	<p data-bbox="287 241 702 275">Adjusting the conveying sensor</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1388 409">Compensates the threshold value of the DP's multi feed sensor or side multi tray's multi feed sensor.</p> <p data-bbox="287 412 399 445">Purpose</p> <p data-bbox="287 448 1372 481">If more than one sheet is fed at a time, modify the threshold depending on the environment.</p> <p data-bbox="287 515 391 548">Method</p> <ol data-bbox="303 551 566 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="335 627 1401 775"> <thead> <tr> <th data-bbox="343 638 641 683">Display</th> <th data-bbox="641 638 1401 683">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 683 641 728">DP</td> <td data-bbox="641 683 1401 728">Settings of multiple feed sensor on the DP</td> </tr> <tr> <td data-bbox="343 728 641 775">SMT</td> <td data-bbox="641 728 1401 775">Settings of multiple feed sensor on the side multi tray</td> </tr> </tbody> </table> <p data-bbox="287 819 391 853">Method</p> <ol data-bbox="303 855 518 889" style="list-style-type: none"> 1. Select the item. <table border="1" data-bbox="335 900 1401 1048"> <thead> <tr> <th data-bbox="343 911 641 956">Display</th> <th data-bbox="641 911 1401 956">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 956 641 1001">Conveying Sensor</td> <td data-bbox="641 956 1401 1001">Multi feed sensor settings/Calibration</td> </tr> <tr> <td data-bbox="343 1001 641 1048">On/Off Config</td> <td data-bbox="641 1001 1401 1048">Multi feed sensor On/Off settings</td> </tr> </tbody> </table> <p data-bbox="287 1088 654 1122">Setting: [Conveying Sensor]</p> <ol data-bbox="303 1124 518 1158" style="list-style-type: none"> 1. Select the item. <table border="1" data-bbox="335 1169 1401 1456"> <thead> <tr> <th data-bbox="343 1180 641 1225">Display</th> <th data-bbox="641 1180 1401 1225">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1225 641 1270">Sensor(Non-P)</td> <td data-bbox="641 1225 1401 1270">Empty paper sensor display</td> </tr> <tr> <td data-bbox="343 1270 641 1314">Sensor</td> <td data-bbox="641 1270 1401 1314">Displaying sensor value when paper is present</td> </tr> <tr> <td data-bbox="343 1314 641 1359">Threshold(Single)</td> <td data-bbox="641 1314 1401 1359">Paper feeding threshold settings</td> </tr> <tr> <td data-bbox="343 1359 641 1404">Threshold(Multi)</td> <td data-bbox="641 1359 1401 1404">Multi feed threshold settings</td> </tr> <tr> <td data-bbox="343 1404 641 1456">Execute</td> <td data-bbox="641 1404 1401 1456">Executing the calibration</td> </tr> </tbody> </table> <p data-bbox="287 1500 734 1534">Setting: [Threshold(Single)/(Multi)]</p> <ol data-bbox="303 1536 1053 1601" style="list-style-type: none"> 1. Select the item. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="335 1612 1401 1796"> <thead> <tr> <th data-bbox="343 1624 603 1691">Display</th> <th data-bbox="603 1624 1066 1691">Description</th> <th data-bbox="1066 1624 1233 1691">Setting range</th> <th data-bbox="1233 1624 1401 1691">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1691 603 1736">Threshold(Single)</td> <td data-bbox="603 1691 1066 1736">Paper feeding threshold settings</td> <td data-bbox="1066 1691 1233 1736">0 to 254</td> <td data-bbox="1233 1691 1401 1736">0</td> </tr> <tr> <td data-bbox="343 1736 603 1796">Threshold(Multi)</td> <td data-bbox="603 1736 1066 1796">Multi feed threshold settings</td> <td data-bbox="1066 1736 1233 1796">0 to 254</td> <td data-bbox="1233 1736 1401 1796">0</td> </tr> </tbody> </table> <ol data-bbox="303 1805 766 1839" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="287 1872 526 1906">Method: [Execute]</p> <ol data-bbox="303 1908 853 1973" style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. Calibration is executed. 	Display	Description	DP	Settings of multiple feed sensor on the DP	SMT	Settings of multiple feed sensor on the side multi tray	Display	Description	Conveying Sensor	Multi feed sensor settings/Calibration	On/Off Config	Multi feed sensor On/Off settings	Display	Description	Sensor(Non-P)	Empty paper sensor display	Sensor	Displaying sensor value when paper is present	Threshold(Single)	Paper feeding threshold settings	Threshold(Multi)	Multi feed threshold settings	Execute	Executing the calibration	Display	Description	Setting range	Initial setting	Threshold(Single)	Paper feeding threshold settings	0 to 254	0	Threshold(Multi)	Multi feed threshold settings	0 to 254	0
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Threshold(Multi)	Multi feed threshold settings	0 to 254	0																																		

Item No.	Description						
U460	<p data-bbox="288 241 592 275">Setting: [On/Off Config]</p> <p data-bbox="288 277 536 311">1. Select On or Off.</p> <table border="1" data-bbox="336 320 1401 465"> <thead> <tr> <th data-bbox="336 320 639 365">Display</th> <th data-bbox="639 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 639 409">On</td> <td data-bbox="639 365 1401 409">Multi feed sensor is enabled</td> </tr> <tr> <td data-bbox="336 409 639 465">Off</td> <td data-bbox="639 409 1401 465">Multi feed sensor is disabled</td> </tr> </tbody> </table> <p data-bbox="288 472 539 506">Initial setting: Off</p> <p data-bbox="288 508 783 542">2. Press the start key. The setting is set.</p> <p data-bbox="288 575 440 609">Completion</p> <p data-bbox="288 611 1257 645">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Multi feed sensor is enabled	Off	Multi feed sensor is disabled
Display	Description						
On	Multi feed sensor is enabled						
Off	Multi feed sensor is disabled						

Item No.	Description																												
U464	<p data-bbox="288 241 734 273">Setting the ID correction operation</p> <p data-bbox="288 311 440 342">Description</p> <p data-bbox="288 344 1433 409">Turns ID correction (calibration) on or off. Also, this allows individual settings for calibration operation.</p> <p data-bbox="288 414 400 445">Purpose</p> <p data-bbox="288 448 1425 515">Implements various settings of calibration when poor image quality is caused or to allow various settings of calibration depending on the user preference.</p> <p data-bbox="288 517 1027 548">To perform the calibration when replacing the maintenance kit.</p> <p data-bbox="288 586 387 618">Method</p> <ol data-bbox="308 620 632 685" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 698 1399 1538"> <thead> <tr> <th data-bbox="336 698 639 743">Display</th> <th data-bbox="639 698 1399 743">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 743 639 788">Permission</td> <td data-bbox="639 743 1399 788">Setting to turn calibration on/off</td> </tr> <tr> <td data-bbox="336 788 639 833">Time Interval</td> <td data-bbox="639 788 1399 833">Setting the interval time of calibration after printing</td> </tr> <tr> <td data-bbox="336 833 639 878">Mode</td> <td data-bbox="639 833 1399 878">Setting the calibration execution mode</td> </tr> <tr> <td data-bbox="336 878 639 967">On/Sleep Out*</td> <td data-bbox="639 878 1399 967">Setting execution parameters for calibration when powered up or reverted from auto-sleep</td> </tr> <tr> <td data-bbox="336 967 639 1057">AP/NE*</td> <td data-bbox="639 967 1399 1057">Paper interval calibration ON/OFF setting at the time of calibration/near end after toner feed</td> </tr> <tr> <td data-bbox="336 1057 639 1169">Leaving Time*</td> <td data-bbox="639 1057 1399 1169">Setting the standard time for judging whether or not to carry out calibration based on the sleep time when the machine recovers from the sleep mode</td> </tr> <tr> <td data-bbox="336 1169 639 1281">Driving Time*</td> <td data-bbox="639 1169 1399 1281">Setting the standard time for judging whether or not to carry out paper interval calibration based on the driving time during printing</td> </tr> <tr> <td data-bbox="336 1281 639 1393">Timing*</td> <td data-bbox="639 1281 1399 1393">Setting the standard time for judging whether or not to carry out calibration based on the continuous print driving time during printing</td> </tr> <tr> <td data-bbox="336 1393 639 1482">Target Value</td> <td data-bbox="639 1393 1399 1482">Setting the sensor target values for toner thick layer calibration and light amount calibration</td> </tr> <tr> <td data-bbox="336 1482 639 1538">Calib</td> <td data-bbox="639 1482 1399 1538">Executing the calibration</td> </tr> </tbody> </table> <p data-bbox="336 1550 813 1581">*: Enabled when Mode is set to Custom.</p> <p data-bbox="288 1619 561 1650">Setting: [Permission]</p> <ol data-bbox="308 1653 536 1684" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="336 1695 1399 1841"> <thead> <tr> <th data-bbox="336 1695 639 1740">Display</th> <th data-bbox="639 1695 1399 1740">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1740 639 1785">On</td> <td data-bbox="639 1740 1399 1785">Turns calibration ON</td> </tr> <tr> <td data-bbox="336 1785 639 1841">Off</td> <td data-bbox="639 1785 1399 1841">Turns calibration OFF</td> </tr> </tbody> </table> <p data-bbox="336 1852 536 1883">Initial setting: On</p> <ol data-bbox="308 1886 782 1917" style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	Permission	Setting to turn calibration on/off	Time Interval	Setting the interval time of calibration after printing	Mode	Setting the calibration execution mode	On/Sleep Out*	Setting execution parameters for calibration when powered up or reverted from auto-sleep	AP/NE*	Paper interval calibration ON/OFF setting at the time of calibration/near end after toner feed	Leaving Time*	Setting the standard time for judging whether or not to carry out calibration based on the sleep time when the machine recovers from the sleep mode	Driving Time*	Setting the standard time for judging whether or not to carry out paper interval calibration based on the driving time during printing	Timing*	Setting the standard time for judging whether or not to carry out calibration based on the continuous print driving time during printing	Target Value	Setting the sensor target values for toner thick layer calibration and light amount calibration	Calib	Executing the calibration	Display	Description	On	Turns calibration ON	Off	Turns calibration OFF
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U464	<p data-bbox="288 241 582 275">Setting: [Time Interval]</p> <p data-bbox="304 277 1054 311">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 320 1401 450"> <thead> <tr> <th data-bbox="336 320 564 398">Display</th> <th data-bbox="564 320 1066 398">Description</th> <th data-bbox="1066 320 1249 398">Setting range</th> <th data-bbox="1249 320 1401 398">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 564 450">Time(sec)</td> <td data-bbox="564 398 1066 450">Setting the interval time of calibration</td> <td data-bbox="1066 398 1249 450">0 to 9999 (s)</td> <td data-bbox="1249 398 1401 450">0</td> </tr> </tbody> </table> <p data-bbox="304 461 767 495">2. Press the start key. The value is set.</p> <p data-bbox="288 528 488 562">Setting: [Mode]</p> <p data-bbox="304 564 520 598">1. Select the item.</p> <table border="1" data-bbox="336 607 1401 848"> <thead> <tr> <th data-bbox="336 607 639 656">Display</th> <th data-bbox="639 607 1401 656">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 656 639 705">Short</td> <td data-bbox="639 656 1401 705">Setting the calibration execution mode: short</td> </tr> <tr> <td data-bbox="336 705 639 754">Normal</td> <td data-bbox="639 705 1401 754">Setting the calibration execution mode: normal</td> </tr> <tr> <td data-bbox="336 754 639 804">Long</td> <td data-bbox="639 754 1401 804">Setting the calibration execution mode: long</td> </tr> <tr> <td data-bbox="336 804 639 848">Custom</td> <td data-bbox="639 804 1401 848">Setting the calibration execution mode: custom</td> </tr> </tbody> </table> <p data-bbox="336 857 588 891">Initial setting: Normal</p> <p data-bbox="304 891 783 925">2. Press the start key. The setting is set.</p> <p data-bbox="288 958 587 992">Setting: [On/Sleep Out]</p> <p data-bbox="304 994 536 1028">1. Select On or Off.</p> <table border="1" data-bbox="336 1037 1401 1319"> <thead> <tr> <th data-bbox="336 1037 639 1086">Display</th> <th data-bbox="639 1037 1401 1086">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1086 639 1238">On</td> <td data-bbox="639 1086 1401 1238">At power-up: Perform calibration if the fusing temperature is less than 50°C/122°F. Recovering from Auto Sleep: Calibration is performed when 8 hours have passed since the machine has been in sleep</td> </tr> <tr> <td data-bbox="336 1238 639 1319">Off</td> <td data-bbox="639 1238 1401 1319">Not to execute calibration regardless of fuser temperature at power-up or recovery from auto sleep mode</td> </tr> </tbody> </table> <p data-bbox="336 1346 539 1379">Initial setting: On</p> <p data-bbox="304 1379 783 1413">2. Press the start key. The setting is set.</p> <p data-bbox="288 1447 499 1480">Setting: [AP/NE]</p> <p data-bbox="304 1482 536 1516">1. Select On or Off.</p> <table border="1" data-bbox="336 1525 1401 1740"> <thead> <tr> <th data-bbox="336 1525 639 1574">Display</th> <th data-bbox="639 1525 1401 1574">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1574 639 1659">On</td> <td data-bbox="639 1574 1401 1659">Paper interval calibration at the time of calibration/near end after toner feed is carried out</td> </tr> <tr> <td data-bbox="336 1659 639 1740">Off</td> <td data-bbox="639 1659 1401 1740">Paper interval calibration at the time of calibration/near end after toner feed is not carried out</td> </tr> </tbody> </table> <p data-bbox="336 1749 539 1783">Initial setting: On</p> <p data-bbox="304 1783 783 1816">2. Press the start key. The setting is set.</p>	Display	Description	Setting range	Initial setting	Time(sec)	Setting the interval time of calibration	0 to 9999 (s)	0	Display	Description	Short	Setting the calibration execution mode: short	Normal	Setting the calibration execution mode: normal	Long	Setting the calibration execution mode: long	Custom	Setting the calibration execution mode: custom	Display	Description	On	At power-up: Perform calibration if the fusing temperature is less than 50°C/122°F. Recovering from Auto Sleep: Calibration is performed when 8 hours have passed since the machine has been in sleep	Off	Not to execute calibration regardless of fuser temperature at power-up or recovery from auto sleep mode	Display	Description	On	Paper interval calibration at the time of calibration/near end after toner feed is carried out	Off	Paper interval calibration at the time of calibration/near end after toner feed is not carried out
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U464	<p data-bbox="288 241 587 271">Setting: [Leaving Time]</p> <p data-bbox="304 277 1054 306">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 320 1401 450"> <thead> <tr> <th data-bbox="336 320 564 398">Display</th> <th data-bbox="564 320 1066 398">Description</th> <th data-bbox="1066 320 1262 398">Setting range</th> <th data-bbox="1262 320 1401 398">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 564 450">Time(min)</td> <td data-bbox="564 398 1066 450">Setting the standard time of sleep mode</td> <td data-bbox="1066 398 1262 450">0 to 480 (min)</td> <td data-bbox="1262 398 1401 450">60</td> </tr> </tbody> </table> <p data-bbox="304 456 767 486">2. Press the start key. The value is set.</p> <p data-bbox="288 524 579 553">Setting: [Driving Time]</p> <p data-bbox="304 560 858 589">1. Change the setting value using the +/- keys.</p> <table border="1" data-bbox="336 602 1401 732"> <thead> <tr> <th data-bbox="336 602 564 680">Display</th> <th data-bbox="564 602 1035 680">Description</th> <th data-bbox="1035 602 1262 680">Setting range</th> <th data-bbox="1262 602 1401 680">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 564 732">Time(sec)</td> <td data-bbox="564 680 1035 732">Setting the drive standard time</td> <td data-bbox="1035 680 1262 732">300 to 3000 (s)</td> <td data-bbox="1262 680 1401 732">300</td> </tr> </tbody> </table> <p data-bbox="304 739 767 768">2. Press the start key. The value is set.</p> <p data-bbox="288 806 504 835">Setting: [Timing]</p> <p data-bbox="304 842 858 871">1. Change the setting value using the +/- keys.</p> <table border="1" data-bbox="336 884 1401 1055"> <thead> <tr> <th data-bbox="336 884 564 963">Display</th> <th data-bbox="564 884 1035 963">Description</th> <th data-bbox="1035 884 1262 963">Setting range</th> <th data-bbox="1262 884 1401 963">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 963 564 1055">Time(sec)</td> <td data-bbox="564 963 1035 1055">Setting the drive standard time of continuous print</td> <td data-bbox="1035 963 1262 1055">0 to 3600 (s)</td> <td data-bbox="1262 963 1401 1055">0</td> </tr> </tbody> </table> <p data-bbox="304 1061 767 1090">2. Press the start key. The value is set.</p> <p data-bbox="288 1128 576 1158">Setting: [Target Value]</p> <p data-bbox="304 1164 523 1193">1. Select the item.</p> <p data-bbox="304 1200 1054 1229">2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1243 1401 1435"> <thead> <tr> <th data-bbox="336 1243 534 1321" rowspan="2">Display</th> <th data-bbox="534 1243 946 1321" rowspan="2">Description</th> <th data-bbox="946 1243 1126 1321" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1126 1243 1401 1288">Initial setting</th> </tr> <tr> <th data-bbox="1126 1288 1262 1321">65 ppm</th> <th data-bbox="1262 1288 1401 1321">80 ppm</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1321 534 1366">Thickness(K)</td> <td data-bbox="534 1321 946 1366">Toner thick layer calibration</td> <td data-bbox="946 1321 1126 1366">0 to 1000</td> <td data-bbox="1126 1321 1262 1366">730</td> <td data-bbox="1262 1321 1401 1366">750</td> </tr> <tr> <td data-bbox="336 1366 534 1435">Gamma(K)</td> <td data-bbox="534 1366 946 1435">Light amount calibration</td> <td data-bbox="946 1366 1126 1435">0 to 500</td> <td data-bbox="1126 1366 1262 1435">330</td> <td data-bbox="1262 1366 1401 1435">330</td> </tr> </tbody> </table> <p data-bbox="304 1442 767 1471">3. Press the start key. The value is set.</p> <p data-bbox="288 1509 488 1538">Method: [Calib]</p> <p data-bbox="304 1545 539 1574">1. Select [Execute].</p> <p data-bbox="304 1581 850 1610">2. Press the start key. Calibration is executed.</p> <p data-bbox="336 1617 1305 1646">* : Duplicates selecting [System Menu] - [Adjustment/Maintenance] - [Calibration].</p> <p data-bbox="368 1653 828 1682">The same operation as System menu.</p> <p data-bbox="288 1720 440 1749">Completion</p> <p data-bbox="288 1756 1254 1785">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Time(min)	Setting the standard time of sleep mode	0 to 480 (min)	60	Display	Description	Setting range	Initial setting	Time(sec)	Setting the drive standard time	300 to 3000 (s)	300	Display	Description	Setting range	Initial setting	Time(sec)	Setting the drive standard time of continuous print	0 to 3600 (s)	0	Display	Description	Setting range	Initial setting		65 ppm	80 ppm	Thickness(K)	Toner thick layer calibration	0 to 1000	730	750	Gamma(K)	Light amount calibration	0 to 500	330	330
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U465	<p data-bbox="288 241 692 271">Data reference for ID correction</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 817 374">References the data related to ID correction.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 686 443">To check the corresponding data.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 708 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be reference. <table border="1" data-bbox="336 595 1401 837"> <thead> <tr> <th data-bbox="336 595 603 640">Display</th> <th data-bbox="603 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 603 685">TCONT</td> <td data-bbox="603 640 1401 685">Developer bias control value after ID correction</td> </tr> <tr> <td data-bbox="336 685 603 730">Laser Power</td> <td data-bbox="603 685 1401 730">Scaling factor to the value determined in light amount calibration</td> </tr> <tr> <td data-bbox="336 730 603 775">Bias Calib</td> <td data-bbox="603 730 1401 775">Sensor value for toner thick layer calibration</td> </tr> <tr> <td data-bbox="336 775 603 837">T7 CTD</td> <td data-bbox="603 775 1401 837">T7 control value</td> </tr> </tbody> </table> <p data-bbox="288 880 572 909">Displaying: [TCOUNT]</p> <ol data-bbox="304 913 922 943" style="list-style-type: none"> 1. Select [TCOUNT]. The current value is displayed. <table border="1" data-bbox="336 956 1401 1104"> <thead> <tr> <th data-bbox="336 956 603 1001">Display</th> <th data-bbox="603 956 1401 1001">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1001 603 1046">Before(K)</td> <td data-bbox="603 1001 1401 1046">Developer bias control value for black before ID correction</td> </tr> <tr> <td data-bbox="336 1046 603 1104">After(K)</td> <td data-bbox="603 1046 1401 1104">Developer bias control value for black after ID correction</td> </tr> </tbody> </table> <p data-bbox="288 1146 620 1176">Displaying: [Laser Power]</p> <ol data-bbox="304 1180 960 1209" style="list-style-type: none"> 1. Select [Laser Power]. The current value is displayed. <table border="1" data-bbox="336 1223 1401 1323"> <thead> <tr> <th data-bbox="336 1223 488 1267">Display</th> <th data-bbox="488 1223 1401 1267">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1267 488 1323">K</td> <td data-bbox="488 1267 1401 1323">Scaling factor to the value determined in light amount calibration</td> </tr> </tbody> </table> <p data-bbox="288 1366 592 1395">Displaying: [Bias Calib]</p> <ol data-bbox="304 1400 932 1429" style="list-style-type: none"> 1. Select [Bias Calib]. The current value is displayed. <table border="1" data-bbox="336 1442 1401 1543"> <thead> <tr> <th data-bbox="336 1442 564 1487">Display</th> <th data-bbox="564 1442 1401 1487">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1487 564 1543">K</td> <td data-bbox="564 1487 1401 1543">Sensor value for toner thick layer calibration</td> </tr> </tbody> </table> <p data-bbox="288 1585 555 1615">Displaying: [T7 CTD]</p> <ol data-bbox="304 1619 904 1648" style="list-style-type: none"> 1. Select [T7 CTD]. The current value is displayed. <table border="1" data-bbox="336 1662 1401 1762"> <thead> <tr> <th data-bbox="336 1662 564 1706">Display</th> <th data-bbox="564 1662 1401 1706">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1706 564 1762">K</td> <td data-bbox="564 1706 1401 1762">T7 control value</td> </tr> </tbody> </table> <p data-bbox="288 1805 440 1834">Completion</p> <p data-bbox="288 1839 1254 1868">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	TCONT	Developer bias control value after ID correction	Laser Power	Scaling factor to the value determined in light amount calibration	Bias Calib	Sensor value for toner thick layer calibration	T7 CTD	T7 control value	Display	Description	Before(K)	Developer bias control value for black before ID correction	After(K)	Developer bias control value for black after ID correction	Display	Description	K	Scaling factor to the value determined in light amount calibration	Display	Description	K	Sensor value for toner thick layer calibration	Display	Description	K	T7 control value
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U470	<p data-bbox="288 241 750 273">Setting the JPEG compression ratio</p> <p data-bbox="288 311 440 338">Description</p> <p data-bbox="288 344 1158 376">Sets the compression ratio for JPEG images in each image quality mode.</p> <p data-bbox="288 383 400 409">Purpose</p> <p data-bbox="288 416 1418 584">To change the setting in accordance with the image that the user is copying. For example, in order to soften the coarseness of the image when making copies at over 200% magnification, change the level of compression by raising the value. Lowering the value will increase the compression and thereby lower the image quality; Raising the value will increase image quality but lower the image processing speed.</p> <p data-bbox="288 622 387 649">Method</p> <ol data-bbox="304 656 632 719" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 734 1399 927"> <thead> <tr> <th data-bbox="336 734 641 779">Display</th> <th data-bbox="641 734 1399 779">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 641 824">Copy</td> <td data-bbox="641 779 1399 824">Compression ratio for copying</td> </tr> <tr> <td data-bbox="336 824 641 869">Send</td> <td data-bbox="641 824 1399 869">Compression ratio for sending</td> </tr> <tr> <td data-bbox="336 869 641 927">System</td> <td data-bbox="641 869 1399 927">Compression ratio for temporary storage in system</td> </tr> </tbody> </table> <p data-bbox="288 974 485 1005">Setting: [Copy]</p> <ol data-bbox="304 1010 632 1041" style="list-style-type: none"> 1. Select the item to be set. <table border="1" data-bbox="336 1055 1399 1196"> <thead> <tr> <th data-bbox="336 1055 641 1099">Display</th> <th data-bbox="641 1055 1399 1099">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1099 641 1144">Photo</td> <td data-bbox="641 1099 1399 1144">Compression ratio in the photo mode</td> </tr> <tr> <td data-bbox="336 1144 641 1196">Text</td> <td data-bbox="641 1144 1399 1196">Compression ratio in the text mode</td> </tr> </tbody> </table> <ol data-bbox="304 1207 1054 1270" style="list-style-type: none"> 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1283 1399 1462"> <thead> <tr> <th data-bbox="336 1283 564 1368">Display</th> <th data-bbox="564 1283 1066 1368">Description</th> <th data-bbox="1066 1283 1233 1368">Setting range</th> <th data-bbox="1233 1283 1399 1368">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1368 564 1413">Y</td> <td data-bbox="564 1368 1066 1413">Compression ratio of brightness</td> <td data-bbox="1066 1368 1233 1413">1 to 100</td> <td data-bbox="1233 1368 1399 1413">90</td> </tr> <tr> <td data-bbox="336 1413 564 1462">CbCr</td> <td data-bbox="564 1413 1066 1462">Compression ratio of color differential</td> <td data-bbox="1066 1413 1233 1462">1 to 100</td> <td data-bbox="1233 1413 1399 1462">90</td> </tr> </tbody> </table> <ol data-bbox="304 1476 767 1507" style="list-style-type: none"> 4. Press the start key. The value is set. 	Display	Description	Copy	Compression ratio for copying	Send	Compression ratio for sending	System	Compression ratio for temporary storage in system	Display	Description	Photo	Compression ratio in the photo mode	Text	Compression ratio in the text mode	Display	Description	Setting range	Initial setting	Y	Compression ratio of brightness	1 to 100	90	CbCr	Compression ratio of color differential	1 to 100	90
Display	Description																										
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CbCr	Compression ratio of color differential	1 to 100	90																								

Item No.	Description																																																										
U470	<p>Setting: [Send]</p> <p>1. Select the item to be set.</p> <table border="1" data-bbox="336 320 1401 595"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Photo</td> <td>Compression ratio in the photo mode</td> </tr> <tr> <td>Text</td> <td>Compression ratio in the text mode</td> </tr> <tr> <td>HC-PDF (BG)</td> <td>Compression ratio of high compression PDF</td> </tr> <tr> <td>HC-PDF (Char)</td> <td>Setting the compression rate of the high-compression PDF (text color)</td> </tr> </tbody> </table> <p>2. Select the item to be set.</p> <p>3. Change the setting value using the +/- keys or numeric keys. [Photo] or [Text]</p> <table border="1" data-bbox="336 734 1401 913"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y1 to Y5</td> <td>Compression ratio of brightness</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> <tr> <td>CbCr1 to CbCr5</td> <td>Compression ratio of color differential</td> <td>1 to 100</td> <td>30/40/51/70/90</td> </tr> </tbody> </table> <p>[HC-PDF (BG)]</p> <table border="1" data-bbox="336 969 1401 1149"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y3 to Y3</td> <td>Compression ratio of brightness</td> <td>1 to 100</td> <td>15/25/90</td> </tr> <tr> <td>CbCr3 to CbCr3</td> <td>Compression ratio of color differential</td> <td>1 to 100</td> <td>15/25/90</td> </tr> </tbody> </table> <p>[HC-PDF (Char)]</p> <table border="1" data-bbox="336 1205 1401 1384"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y3 to Y3</td> <td>Compression ratio of brightness</td> <td>1 to 100</td> <td>15/75/90</td> </tr> <tr> <td>CbCr3 to CbCr3</td> <td>Compression ratio of color differential</td> <td>1 to 100</td> <td>15/75/90</td> </tr> </tbody> </table> <p>4. Press the start key. The value is set.</p> <p>Setting: [System]</p> <p>1. Select the item to be set.</p> <p>2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1574 1401 1753"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Compression ratio of brightness</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>CbCr</td> <td>Compression ratio of color differential</td> <td>1 to 100</td> <td>90</td> </tr> </tbody> </table> <p>3. Press the start key. The value is set.</p> <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Photo	Compression ratio in the photo mode	Text	Compression ratio in the text mode	HC-PDF (BG)	Compression ratio of high compression PDF	HC-PDF (Char)	Setting the compression rate of the high-compression PDF (text color)	Display	Description	Setting range	Initial setting	Y1 to Y5	Compression ratio of brightness	1 to 100	30/40/51/70/90	CbCr1 to CbCr5	Compression ratio of color differential	1 to 100	30/40/51/70/90	Display	Description	Setting range	Initial setting	Y3 to Y3	Compression ratio of brightness	1 to 100	15/25/90	CbCr3 to CbCr3	Compression ratio of color differential	1 to 100	15/25/90	Display	Description	Setting range	Initial setting	Y3 to Y3	Compression ratio of brightness	1 to 100	15/75/90	CbCr3 to CbCr3	Compression ratio of color differential	1 to 100	15/75/90	Display	Description	Setting range	Initial setting	Y	Compression ratio of brightness	1 to 100	90	CbCr	Compression ratio of color differential	1 to 100	90
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CbCr	Compression ratio of color differential	1 to 100	90																																																								

Item No.	Description																						
U485	<p data-bbox="288 241 746 275">Setting the image processing mode</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1382 412">Sets the detection level for scanning printed matter outputted with the confidential document guard function. Also, sets the process PDF images are rotated.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1433 517">To change the detection level when the confidential document guard is not printed well for detection in scanning. Also, changes the process of how PDF images are rotated.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 564 654" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 665 1401 808"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1401 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Conf. Doc. Detection</td> <td data-bbox="639 710 1401 754">Confidential document guard detection level</td> </tr> <tr> <td data-bbox="336 754 639 808">PDF Rotation</td> <td data-bbox="639 754 1401 808">Processing the rotation of PDF images</td> </tr> </tbody> </table> <p data-bbox="288 853 681 882">Setting: [Conf. Doc. Detection]</p> <ol data-bbox="304 887 1010 920" style="list-style-type: none"> 1. Change the setting value using +/- keys or numeric keys. <table border="1" data-bbox="336 931 1401 1097"> <thead> <tr> <th data-bbox="336 931 564 1014">Display</th> <th data-bbox="564 931 1066 1014">Description</th> <th data-bbox="1066 931 1233 1014">Setting range</th> <th data-bbox="1233 931 1401 1014">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1014 564 1097">Conf. Doc. Detection</td> <td data-bbox="564 1014 1066 1097">Confidential document guard detection level</td> <td data-bbox="1066 1014 1233 1097">1 to 5</td> <td data-bbox="1233 1014 1401 1097">1</td> </tr> </tbody> </table> <p data-bbox="333 1108 1433 1176">A smaller value raises the detection sensitivity but increases the possibility of false detection. A larger value lowers the detection sensitivity but decreases the possibility of false detection.</p> <ol data-bbox="304 1180 767 1214" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1247 585 1276">Setting: [PDF Rotation]</p> <ol data-bbox="304 1281 1010 1314" style="list-style-type: none"> 1. Change the setting value using +/- keys or numeric keys. <table border="1" data-bbox="336 1326 1401 1552"> <thead> <tr> <th data-bbox="336 1326 639 1370">Display</th> <th data-bbox="639 1326 1401 1370">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1370 639 1415">0</td> <td data-bbox="639 1370 1401 1415">Assigns the image rotation with the internal parameter</td> </tr> <tr> <td data-bbox="336 1415 639 1460">1</td> <td data-bbox="639 1415 1401 1460">Assigns the image rotation with the actual image</td> </tr> <tr> <td data-bbox="336 1460 639 1552">2</td> <td data-bbox="639 1460 1401 1552">Assigns the image rotation with the internal parameter (CTM rotation)</td> </tr> </tbody> </table> <p data-bbox="333 1563 517 1597">Initial setting: 0</p> <ol data-bbox="304 1601 767 1635" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1668 440 1697">Completion</p> <p data-bbox="288 1702 1254 1736">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Conf. Doc. Detection	Confidential document guard detection level	PDF Rotation	Processing the rotation of PDF images	Display	Description	Setting range	Initial setting	Conf. Doc. Detection	Confidential document guard detection level	1 to 5	1	Display	Description	0	Assigns the image rotation with the internal parameter	1	Assigns the image rotation with the actual image	2	Assigns the image rotation with the internal parameter (CTM rotation)
Display	Description																						
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Item No.	Description																				
U901	<p data-bbox="288 241 884 275">Checking copy counts by paper feed locations</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1015 374">Displays or clears paper feed counts by paper feed locations.</p> <p data-bbox="288 378 1356 407">Performs backup when the counters on the engine PWB and PF main PWB do not match.</p> <p data-bbox="288 412 400 441">Purpose</p> <p data-bbox="288 445 1418 512">To check the time to replace consumable parts. Also to clear the counts after replacing the consumable parts.</p> <p data-bbox="288 517 1431 546">Backup the counter values after completing changing the PF main PWB and the paper feed unit.</p> <p data-bbox="288 582 387 611">Method</p> <p data-bbox="304 616 1161 645">1. Press the start key. The counts by paper feed locations are displayed.</p> <table border="1" data-bbox="336 663 1399 1144"> <thead> <tr> <th data-bbox="336 663 639 712">Display</th> <th data-bbox="639 663 1399 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 757">MPT</td> <td data-bbox="639 712 1399 757">MP tray</td> </tr> <tr> <td data-bbox="336 757 639 801">Cassette1</td> <td data-bbox="639 757 1399 801">Cassette 1</td> </tr> <tr> <td data-bbox="336 801 639 846">Cassette2</td> <td data-bbox="639 801 1399 846">Cassette 2</td> </tr> <tr> <td data-bbox="336 846 639 891">Cassette3</td> <td data-bbox="639 846 1399 891">Cassette 3</td> </tr> <tr> <td data-bbox="336 891 639 936">Cassette4</td> <td data-bbox="639 891 1399 936">Cassette 4</td> </tr> <tr> <td data-bbox="336 936 639 981">Cassette5</td> <td data-bbox="639 936 1399 981">Cassette 5 (side multi tray/side deck)</td> </tr> <tr> <td data-bbox="336 981 639 1025">Cassette6</td> <td data-bbox="639 981 1399 1025">Cassette 6 (side paper feeder/side large capacity feeder)</td> </tr> <tr> <td data-bbox="336 1025 639 1070">Cassette7</td> <td data-bbox="639 1025 1399 1070">Cassette 7 (side paper feeder/side large capacity feeder)</td> </tr> <tr> <td data-bbox="336 1070 639 1115">Duplex</td> <td data-bbox="639 1070 1399 1115">Duplex unit</td> </tr> </tbody> </table> <p data-bbox="336 1153 1370 1220">* : When an optional paper feed unit is not installed, the corresponding count is not displayed.</p> <p data-bbox="288 1256 400 1285">Clearing</p> <p data-bbox="304 1290 1347 1426">1. Select the counts to be cleared. [Cassette3], [Cassette4], [Cassette5], [Cassette6] and [Cassette7] cannot be cleared. 2. Select the counts for all and press [Clear]. 3. Press the start key. The counts is cleared.</p> <p data-bbox="288 1462 397 1491">Back up</p> <p data-bbox="304 1496 1378 1771">1. Select the paper feed location. 2. Select [Engine] when changing the PF main PWB. Backup the [Engine] counter values to [Enhancement]. Select [Enhancement] when changing the paper feed unit. Backup the [Enhancement] counter values to [Engine]. 3. Select [Execute]. 4. Press the start key. Back up the counter values. 5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.</p> <p data-bbox="336 1807 1327 1912">* : The values of cassette 4 counter vary in accordance with the cassette 3 counter. The values of cassette 7 counter vary in accordance with the cassette 6 counter. Select [None] if the counter values are not backed up.</p> <p data-bbox="288 1948 440 1977">Completion</p> <p data-bbox="288 1982 1256 2011">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MPT	MP tray	Cassette1	Cassette 1	Cassette2	Cassette 2	Cassette3	Cassette 3	Cassette4	Cassette 4	Cassette5	Cassette 5 (side multi tray/side deck)	Cassette6	Cassette 6 (side paper feeder/side large capacity feeder)	Cassette7	Cassette 7 (side paper feeder/side large capacity feeder)	Duplex	Duplex unit
Display	Description																				
MPT	MP tray																				
Cassette1	Cassette 1																				
Cassette2	Cassette 2																				
Cassette3	Cassette 3																				
Cassette4	Cassette 4																				
Cassette5	Cassette 5 (side multi tray/side deck)																				
Cassette6	Cassette 6 (side paper feeder/side large capacity feeder)																				
Cassette7	Cassette 7 (side paper feeder/side large capacity feeder)																				
Duplex	Duplex unit																				

Item No.	Description						
U903	<p data-bbox="288 241 798 275">Checking/clearing the paper jam counts</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 890 376">Displays or clears the jam counts by jam locations.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1390 445">To check the paper jam status. Also to clear the jam counts after replacing consumable parts.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 564 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1399 741"> <thead> <tr> <th data-bbox="336 595 641 640">Display</th> <th data-bbox="641 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 641 685">Cnt</td> <td data-bbox="641 640 1399 685">Displays/clears the jam counts</td> </tr> <tr> <td data-bbox="336 685 641 741">Total Cnt</td> <td data-bbox="641 685 1399 741">Displays the total jam counts</td> </tr> </tbody> </table> <p data-bbox="288 786 466 815">Method: [Cnt]</p> <ol data-bbox="304 819 1002 1025" style="list-style-type: none"> 1. Select [Cnt]. The count of jam code by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the count value for jam code and press [Clear]. The individual counter cannot be cleared. 4. Press the start key. The counter value is cleared. <p data-bbox="288 1064 536 1093">Method: [Total Cnt]</p> <ol data-bbox="304 1097 1149 1198" style="list-style-type: none"> 1. Select [Total Cnt]. The total number of jam code by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of jam count cannot be cleared. <p data-bbox="288 1236 805 1265">How to display the history of paper jams</p> <p data-bbox="288 1270 432 1299">[Function]</p> <p data-bbox="288 1303 1422 1335">To check the variation in the occurrences of paper jams as a consequence of firmware upgrade.</p> <p data-bbox="288 1373 450 1402">[Procedure]</p> <ol data-bbox="304 1406 1410 1507" style="list-style-type: none"> 1. Retrieves versions of system and engine software at the timing of clearing. 2. Displays comparison of the occurrences of paper jams before and after firmware upgrades. 3. Displays the date of clearing. <p data-bbox="288 1545 405 1574">[Method]</p> <p data-bbox="288 1579 553 1608">At firmware upgrade</p> <ol data-bbox="304 1612 1404 1713" style="list-style-type: none"> 1. Perform clearance of the counter following the above before performing firmware upgrade. 2. Clearing the counter records the date of clearing. 3. Perform firmware upgrade. <p data-bbox="288 1751 569 1780">At performing service</p> <p data-bbox="288 1785 1382 1850">Print a maintenance report using mode U000 and check the variance of occurrence of paper jams after firmware upgrade was done.</p>	Display	Description	Cnt	Displays/clears the jam counts	Total Cnt	Displays the total jam counts
Display	Description						
Cnt	Displays/clears the jam counts						
Total Cnt	Displays the total jam counts						

Item No.	Description																																								
U903	<p data-bbox="288 241 675 271">Detail of history of paper jams</p> <div data-bbox="316 304 1398 994" style="border: 1px solid black; padding: 10px;"> <p data-bbox="357 329 794 376">Maintenance Report</p> <p data-bbox="357 380 416 405">MFP</p> <p data-bbox="1193 380 1361 405" style="text-align: right;">17/Apr/2011 08:40</p> <p data-bbox="384 439 831 463">Firmware version 2LF_2000.000.000 2011.04.17</p> <p data-bbox="995 439 1361 463" style="text-align: right;">[XXXXXXXX] [XXXXXXXX] [XXXXXXXX]</p> <hr/> <p data-bbox="360 506 647 530">Machine No.: SPXXX00001</p> <p data-bbox="900 506 1110 530" style="text-align: right;">Life Count : 001234</p> <hr/> <table data-bbox="411 575 999 792"> <tr> <td data-bbox="411 575 608 600">(a) Paper Jam Log</td> <td data-bbox="778 575 919 600">(b) 2011.12.12</td> <td></td> </tr> <tr> <td data-bbox="564 604 655 629">JAM0000</td> <td data-bbox="783 604 799 629">1</td> <td data-bbox="906 604 938 629">10</td> </tr> <tr> <td data-bbox="564 631 655 656">JAM0100</td> <td data-bbox="783 631 799 656">0</td> <td data-bbox="906 631 922 656">2</td> </tr> <tr> <td data-bbox="564 658 655 683">JAM0101</td> <td data-bbox="783 658 799 683">0</td> <td data-bbox="906 658 922 683">2</td> </tr> <tr> <td data-bbox="564 685 655 710">JAM0110</td> <td data-bbox="746 685 778 710">(c) 0</td> <td data-bbox="906 685 922 710">2</td> </tr> <tr> <td data-bbox="564 712 655 736">JAM0111</td> <td data-bbox="783 712 799 736">1</td> <td data-bbox="906 712 922 736">2</td> </tr> <tr> <td data-bbox="564 739 655 763">JAM0112</td> <td data-bbox="783 739 799 763">0</td> <td data-bbox="906 739 922 763">1</td> </tr> <tr> <td data-bbox="564 766 655 790">JAM0131</td> <td data-bbox="783 766 799 790">5</td> <td data-bbox="895 766 938 790">89</td> </tr> <tr> <td data-bbox="564 792 655 817">JAM0210</td> <td data-bbox="783 792 799 817">2</td> <td data-bbox="906 792 922 817">7</td> </tr> <tr> <td></td> <td></td> <td data-bbox="963 685 995 710">(d)</td> </tr> </table> </div> <p data-bbox="775 1037 946 1066" style="text-align: center;">Figure 1-3-33</p> <table border="1" data-bbox="336 1149 1398 1391"> <thead> <tr> <th data-bbox="336 1149 411 1193">No.</th> <th data-bbox="411 1149 1398 1193">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1193 411 1238">a</td> <td data-bbox="411 1193 1398 1238">Paper jam numbers</td> </tr> <tr> <td data-bbox="336 1238 411 1283">b</td> <td data-bbox="411 1238 1398 1283">Date of clearing counter records</td> </tr> <tr> <td data-bbox="336 1283 411 1328">c</td> <td data-bbox="411 1283 1398 1328">Occurrences of paper jams after clearing the paper jam counts</td> </tr> <tr> <td data-bbox="336 1328 411 1391">d</td> <td data-bbox="411 1328 1398 1391">Total number of paper jams</td> </tr> </tbody> </table> <p data-bbox="288 1435 536 1464">Method: [Total Cnt]</p> <ol data-bbox="304 1469 1150 1570" style="list-style-type: none"> 1. Select [Total Cnt]. The total number of jam code by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of jam count cannot be cleared. <p data-bbox="288 1608 440 1637">Completion</p> <p data-bbox="288 1641 1254 1671">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	(a) Paper Jam Log	(b) 2011.12.12		JAM0000	1	10	JAM0100	0	2	JAM0101	0	2	JAM0110	(c) 0	2	JAM0111	1	2	JAM0112	0	1	JAM0131	5	89	JAM0210	2	7			(d)	No.	Description	a	Paper jam numbers	b	Date of clearing counter records	c	Occurrences of paper jams after clearing the paper jam counts	d	Total number of paper jams
(a) Paper Jam Log	(b) 2011.12.12																																								
JAM0000	1	10																																							
JAM0100	0	2																																							
JAM0101	0	2																																							
JAM0110	(c) 0	2																																							
JAM0111	1	2																																							
JAM0112	0	1																																							
JAM0131	5	89																																							
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Item No.	Description						
U904	<p data-bbox="288 241 858 271">Checking/clearing the call for service counts</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 954 374">Displays or clears the service call code counts by types.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 839 443">To check the service call code status by types.</p> <p data-bbox="288 450 1174 479">Also to clear the service call code counts after replacing consumable parts.</p> <p data-bbox="288 519 387 548">Method</p> <ol data-bbox="308 553 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1399 775"> <thead> <tr> <th data-bbox="336 631 641 676">Display</th> <th data-bbox="641 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 641 721">Cnt</td> <td data-bbox="641 676 1399 721">Displays/clears the call for service counts</td> </tr> <tr> <td data-bbox="336 721 641 775">Total Cnt</td> <td data-bbox="641 721 1399 775">Displays the total call for service counts</td> </tr> </tbody> </table> <p data-bbox="288 822 466 851">Method: [Cnt]</p> <ol data-bbox="308 855 1150 1059" style="list-style-type: none"> 1. Select [Cnt]. The count for service call detection by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the count value for service call code and press [Clear]. The individual counter cannot be cleared. 4. Press the start key. The counter value is cleared. <p data-bbox="288 1099 533 1128">Method: [Total Cnt]</p> <ol data-bbox="308 1133 1259 1232" style="list-style-type: none"> 1. Select [Total Cnt]. The total number of service call counts by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of service call count cannot be cleared. <p data-bbox="288 1305 850 1335">How to display the history of service counts</p> <p data-bbox="288 1344 432 1373">[Function]</p> <p data-bbox="288 1377 1431 1406">To check the variation in the occurrences of service calls as a consequence of firmware upgrade.</p> <p data-bbox="288 1447 448 1476">[Procedure]</p> <ol data-bbox="308 1480 1426 1579" style="list-style-type: none"> 1. Retrieves versions of system and engine software at the timing of clearing. 2. Displays comparison of the occurrences of service calls before and after firmware upgrades. 3. Displays the date of clearing. <p data-bbox="288 1619 405 1648">[Method]</p> <p data-bbox="288 1653 552 1682">At firmware upgrade</p> <ol data-bbox="308 1686 1406 1785" style="list-style-type: none"> 1. Perform clearance of the counter following the above before performing firmware upgrade. 2. Clearing the counter records the date of clearing. 3. Perform firmware upgrade. <p data-bbox="288 1825 568 1854">At performing service</p> <ol data-bbox="308 1859 1406 1921" style="list-style-type: none"> 1. Print a maintenance report using mode U000 and check the variance of occurrence of service calls after firmware upgrade was done. 	Display	Description	Cnt	Displays/clears the call for service counts	Total Cnt	Displays the total call for service counts
Display	Description						
Cnt	Displays/clears the call for service counts						
Total Cnt	Displays the total call for service counts						

Item No.	Description																																																						
<p>U904</p>	<p>Detail of history of service counts</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Maintenance Report</p> <p>MFP 17/Apr/2011 08:40</p> <p>Firmware version 2LF_2000.000.000 2011.04.17 [XXXXXXXX] [XXXXXXXX] [XXXXXXXX]</p> <hr/> <p>Machine No.: SPXXX00001 Life Count : 001234</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Paper Jam Log</td> <td style="width: 20%; text-align: center;">2011.12.12</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="padding-left: 20px;">JAM0000</td> <td style="text-align: center;">1</td> <td style="text-align: center;">10</td> <td></td> </tr> <tr> <td>(a) Service Call Log</td> <td style="text-align: center;">(b) 2011.12.12</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C0630</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C1000</td> <td style="text-align: center;">0</td> <td style="text-align: center;">50</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C1950</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C2840</td> <td style="text-align: center;">3</td> <td style="text-align: center;">17</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C4300</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C9000</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C9060</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">C9080</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td></td> </tr> </table> </div> <p style="text-align: center;">Figure 1-3-34</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 10%;">No</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Service call numbers</td> </tr> <tr> <td>b</td> <td>Date of clearing counter records</td> </tr> <tr> <td>c</td> <td>Occurrences of service calls after clearing the service call counts</td> </tr> <tr> <td></td> <td>Total number of service calls</td> </tr> </tbody> </table> <p>Method: [Total Cnt]</p> <ol style="list-style-type: none"> 1. Select [Total Cnt]. The total number of service call counts by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of service call count cannot be cleared. <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Paper Jam Log	2011.12.12			JAM0000	1	10		(a) Service Call Log	(b) 2011.12.12			C0630	1	1		C1000	0	50		C1950	0	1		C2840	3	17		C4300	1	2		C9000	0	1		C9060	5	20		C9080	2	1		No	Description	a	Service call numbers	b	Date of clearing counter records	c	Occurrences of service calls after clearing the service call counts		Total number of service calls
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	Total number of service calls																																																						

Item No.	Description																														
U905	<p data-bbox="288 241 762 275">Checking counts by optional devices</p> <p data-bbox="288 309 440 342">Description Displays the counts of DP or 4000-sheet finisher.</p> <p data-bbox="288 376 400 409">Purpose To check the use of DP or 4000-sheet finisher.</p> <p data-bbox="288 488 387 521">Method</p> <ol data-bbox="304 521 979 622" style="list-style-type: none"> 1. Press the start key. 2. Select the device, the count of which is to be checked. The count of the selected device is displayed. <table border="1" data-bbox="336 633 1401 779"> <thead> <tr> <th data-bbox="336 633 639 678">Display</th> <th data-bbox="639 633 1401 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 639 723">DP</td> <td data-bbox="639 678 1401 723">Counts of DP</td> </tr> <tr> <td data-bbox="336 723 639 779">DF</td> <td data-bbox="639 723 1401 779">Counts of 4000-sheet finisher</td> </tr> </tbody> </table> <p data-bbox="288 824 459 857">Method: [DP]</p> <table border="1" data-bbox="336 869 1401 1059"> <thead> <tr> <th data-bbox="336 869 639 913">Display</th> <th data-bbox="639 869 1401 913">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 913 639 958">ADP</td> <td data-bbox="639 913 1401 958">No. of single-sided originals that has passed through the DP</td> </tr> <tr> <td data-bbox="336 958 639 1003">RADP</td> <td data-bbox="639 958 1401 1003">No. of double-sided originals that has passed through the DP</td> </tr> <tr> <td data-bbox="336 1003 639 1059">CIS</td> <td data-bbox="639 1003 1401 1059">No. of dual scan originals that has passed through the DP</td> </tr> </tbody> </table> <p data-bbox="288 1104 459 1137">Method: [DF]</p> <table border="1" data-bbox="336 1149 1401 1529"> <thead> <tr> <th data-bbox="336 1149 639 1193">Display</th> <th data-bbox="639 1149 1401 1193">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1193 639 1238">Sorter</td> <td data-bbox="639 1193 1401 1238">No. of copies that has passed</td> </tr> <tr> <td data-bbox="336 1238 639 1283">Staple</td> <td data-bbox="639 1238 1401 1283">Frequency the stapler has been activated</td> </tr> <tr> <td data-bbox="336 1283 639 1328">Punch</td> <td data-bbox="639 1283 1401 1328">Frequency the punch has been activated</td> </tr> <tr> <td data-bbox="336 1328 639 1373">Stack</td> <td data-bbox="639 1328 1401 1373">Frequency the main tray eject has been activated</td> </tr> <tr> <td data-bbox="336 1373 639 1417">Saddle</td> <td data-bbox="639 1373 1401 1417">Frequency the saddle eject has been activated</td> </tr> <tr> <td data-bbox="336 1417 639 1462">Fold</td> <td data-bbox="639 1417 1401 1462">Frequency the center folding has been activated</td> </tr> <tr> <td data-bbox="336 1462 639 1529">Three Fold</td> <td data-bbox="639 1462 1401 1529">Frequency the tri-folding has been activated</td> </tr> </tbody> </table> <p data-bbox="288 1574 440 1608">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DP	Counts of DP	DF	Counts of 4000-sheet finisher	Display	Description	ADP	No. of single-sided originals that has passed through the DP	RADP	No. of double-sided originals that has passed through the DP	CIS	No. of dual scan originals that has passed through the DP	Display	Description	Sorter	No. of copies that has passed	Staple	Frequency the stapler has been activated	Punch	Frequency the punch has been activated	Stack	Frequency the main tray eject has been activated	Saddle	Frequency the saddle eject has been activated	Fold	Frequency the center folding has been activated	Three Fold	Frequency the tri-folding has been activated
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Item No.	Description
U906	<p>Resetting partial operation control</p> <p>Description Resets the service call code for partial operation control.</p> <p>Purpose To be reset after partial operation is performed due to problems in the cassettes or other sections, and the related parts are serviced.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key to reset partial operation control. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.
U908	<p>Checking the total counter value</p> <p>Description Displays the total counter value.</p> <p>Purpose To check the total counter value.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The total count value is displayed. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>
U910	<p>Clearing the print coverage data</p> <p>Description Clears the accumulated data for the print coverage per A4 size paper and its period of time (as shown on the service status report).</p> <p>Purpose To clear data as required at times such as during maintenance service.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. The print coverage data is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																																
U911	<p data-bbox="288 241 767 275">Checking copy counts by paper sizes</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 845 378">Displays the paper feed counts by paper sizes.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 930 450">To check the counts after replacing consumable parts.</p> <p data-bbox="288 483 387 517">Method</p> <p data-bbox="304 519 1331 553">1. Press the start key. The screen for the paper feed counts by paper size is displayed.</p> <table border="1" data-bbox="336 562 1399 1014"> <thead> <tr> <th data-bbox="336 562 491 645">Display (metric)</th> <th data-bbox="491 562 868 645">Description</th> <th data-bbox="868 562 1019 645">Display (inch)</th> <th data-bbox="1019 562 1399 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 491 689">A3</td> <td data-bbox="491 645 868 689">Paper feed counts for A3</td> <td data-bbox="868 645 1019 689">Ledger</td> <td data-bbox="1019 645 1399 689">Paper feed counts for Ledger</td> </tr> <tr> <td data-bbox="336 689 491 734">B4</td> <td data-bbox="491 689 868 734">Paper feed counts for B4</td> <td data-bbox="868 689 1019 734">Legal</td> <td data-bbox="1019 689 1399 734">Paper feed counts for Legal</td> </tr> <tr> <td data-bbox="336 734 491 779">A4</td> <td data-bbox="491 734 868 779">Paper feed counts for A4</td> <td data-bbox="868 734 1019 779">Letter</td> <td data-bbox="1019 734 1399 779">Paper feed counts for Letter</td> </tr> <tr> <td data-bbox="336 779 491 824">B5</td> <td data-bbox="491 779 868 824">Paper feed counts for B5</td> <td data-bbox="868 779 1019 824">Statement</td> <td data-bbox="1019 779 1399 824">Paper feed counts for State-</td> </tr> <tr> <td data-bbox="336 824 491 869">A5</td> <td data-bbox="491 824 868 869">Paper feed counts for A5</td> <td data-bbox="868 824 1019 869"></td> <td data-bbox="1019 824 1399 869">ment</td> </tr> <tr> <td data-bbox="336 869 491 913">Folio</td> <td data-bbox="491 869 868 913">Paper feed counts for Folio</td> <td data-bbox="868 869 1019 913">ETC</td> <td data-bbox="1019 869 1399 913">Paper feed counts for other</td> </tr> <tr> <td data-bbox="336 913 491 1014">ETC</td> <td data-bbox="491 913 868 1014">Paper feed counts for other size</td> <td data-bbox="868 913 1019 1014"></td> <td data-bbox="1019 913 1399 1014">size</td> </tr> </tbody> </table> <p data-bbox="288 1059 400 1093">Clearing</p> <p data-bbox="304 1095 873 1128">1. Select the paper size of counts to be cleared.</p> <p data-bbox="304 1131 831 1164">2. Press the start key. The counts is cleared.</p> <p data-bbox="288 1198 440 1232">Completion</p> <p data-bbox="288 1234 1256 1267">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display (metric)	Description	Display (inch)	Description	A3	Paper feed counts for A3	Ledger	Paper feed counts for Ledger	B4	Paper feed counts for B4	Legal	Paper feed counts for Legal	A4	Paper feed counts for A4	Letter	Paper feed counts for Letter	B5	Paper feed counts for B5	Statement	Paper feed counts for State-	A5	Paper feed counts for A5		ment	Folio	Paper feed counts for Folio	ETC	Paper feed counts for other	ETC	Paper feed counts for other size		size
Display (metric)	Description	Display (inch)	Description																														
A3	Paper feed counts for A3	Ledger	Paper feed counts for Ledger																														
B4	Paper feed counts for B4	Legal	Paper feed counts for Legal																														
A4	Paper feed counts for A4	Letter	Paper feed counts for Letter																														
B5	Paper feed counts for B5	Statement	Paper feed counts for State-																														
A5	Paper feed counts for A5		ment																														
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ETC	Paper feed counts for other size		size																														

Item No.	Description																																				
U917	<p data-bbox="288 241 746 275">Setting backup data reading/writing</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 409">Retrieves the backup data to a USB memory from the machine; or writes the data from the USB memory to the machine.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 868 479">To store and write data when replacing the HDD.</p> <p data-bbox="288 515 387 544">Method</p> <ol data-bbox="304 553 1425 792" style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. Wait for 10 seconds to allow the machine to recognize the USB memory. 4. Enter maintenance item U917. 5. Select [Import] or [Export]. <table border="1" data-bbox="336 801 1401 949"> <thead> <tr> <th data-bbox="336 801 639 853">Display</th> <th data-bbox="639 801 1401 853">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 853 639 904">Import</td> <td data-bbox="639 853 1401 904">Writing data from the USB memory to the machine</td> </tr> <tr> <td data-bbox="336 904 639 949">Export</td> <td data-bbox="639 904 1401 949">Retrieving from the machine to a USB memory</td> </tr> </tbody> </table> <ol data-bbox="304 958 520 987" style="list-style-type: none"> 6. Select the item. <table border="1" data-bbox="336 996 1401 1621"> <thead> <tr> <th data-bbox="336 996 549 1048">Display</th> <th data-bbox="549 996 927 1048">Description</th> <th data-bbox="927 996 1401 1048">Depending data</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1048 549 1099">Address Book</td> <td data-bbox="549 1048 927 1099">Address book</td> <td data-bbox="927 1048 1401 1099">-</td> </tr> <tr> <td data-bbox="336 1099 549 1151">Job Account</td> <td data-bbox="549 1099 927 1151">Job accounting</td> <td data-bbox="927 1099 1401 1151">-</td> </tr> <tr> <td data-bbox="336 1151 549 1202">One Touch</td> <td data-bbox="549 1151 927 1202">Information on one-touch key</td> <td data-bbox="927 1151 1401 1202">Address book</td> </tr> <tr> <td data-bbox="336 1202 549 1254">User</td> <td data-bbox="549 1202 927 1254">User managements</td> <td data-bbox="927 1202 1401 1254">Job accounting</td> </tr> <tr> <td data-bbox="336 1254 549 1323">Program</td> <td data-bbox="549 1254 927 1323">Program information</td> <td data-bbox="927 1254 1401 1323">Job accountings and user managements</td> </tr> <tr> <td data-bbox="336 1323 549 1406">Shortcut</td> <td data-bbox="549 1323 927 1406">Shortcut information</td> <td data-bbox="927 1323 1401 1406">Job accountings, user managements and document box information</td> </tr> <tr> <td data-bbox="336 1406 549 1489">Fax Forward</td> <td data-bbox="549 1406 927 1489">FAX transfer information</td> <td data-bbox="927 1406 1401 1489">Job accountings, user managements and document box information</td> </tr> <tr> <td data-bbox="336 1489 549 1572">Document Box</td> <td data-bbox="549 1489 927 1572">Document box information</td> <td data-bbox="927 1489 1401 1572">Job accountings and user managements</td> </tr> <tr> <td data-bbox="336 1572 549 1621">IC Card</td> <td data-bbox="549 1572 927 1621">IC card information</td> <td data-bbox="927 1572 1401 1621">-</td> </tr> </tbody> </table> <p data-bbox="336 1630 1355 1695">* : Since data are dependent with each other, data other than those assigned are also retrieved or written in.</p> <ol data-bbox="304 1704 1361 1868" style="list-style-type: none"> 7. Press the start key. Starts reading or writing. The progress of selected item is displayed in %. When an error occurs, the operation is canceled and an error code is displayed. 8. When normally completed, [Finish] is displayed. 9. Turn the main power switch off and on after completing writing when selecting [Import]. 	Display	Description	Import	Writing data from the USB memory to the machine	Export	Retrieving from the machine to a USB memory	Display	Description	Depending data	Address Book	Address book	-	Job Account	Job accounting	-	One Touch	Information on one-touch key	Address book	User	User managements	Job accounting	Program	Program information	Job accountings and user managements	Shortcut	Shortcut information	Job accountings, user managements and document box information	Fax Forward	FAX transfer information	Job accountings, user managements and document box information	Document Box	Document box information	Job accountings and user managements	IC Card	IC card information	-
Display	Description																																				
Import	Writing data from the USB memory to the machine																																				
Export	Retrieving from the machine to a USB memory																																				
Display	Description	Depending data																																			
Address Book	Address book	-																																			
Job Account	Job accounting	-																																			
One Touch	Information on one-touch key	Address book																																			
User	User managements	Job accounting																																			
Program	Program information	Job accountings and user managements																																			
Shortcut	Shortcut information	Job accountings, user managements and document box information																																			
Fax Forward	FAX transfer information	Job accountings, user managements and document box information																																			
Document Box	Document box information	Job accountings and user managements																																			
IC Card	IC card information	-																																			

Item No.	Description			
U917	Error Codes			
	Codes	Description	Codes	Description
	e002	Parameter error	e31e	User managements error
	e003	File write error	e31f	User managements open error
	e004	File initialization error	e320	User managements error
	e005	File error	e321	User managements open error
	e006	Processing error	e322	User managements list error
	e010	Address book clear error (contact)	e324	Shortcut open error
	e011	Address book open error (contact)	e325	Shortcut list error
	e012	Address book list error (contact)	e410	Box file open error
	e013	Address book list error (contact)	e411	Box error in writing
	e014	Address book clear error (group)	e412	Box error in reading
	e015	Address book open error (group)	e413	Box list error
	e016	Address book list error (group)	e414	Box list error
	e017	Address book list error (group)	e415	Box error
	e110	Job accounting clear error	e416	Box error
	e111	Job accounting open error	e417	Box open error
	e112	Job accounting open error	e418	Box close error
	e113	Job accounting error in writing	e419	Box creation error
	e114	Job accounting list error	e41a	Box creation error
	e115	Job accounting list error	e41b	Box deletion error
	e210	One-touch open error	e41c	Box movement error
	e211	One-touch list error	e510	Program error in writing
	e212	One-touch list error	e511	Program error in reading
	e310	User managements backup error	e610	Shortcut error in writing
	e311	User managements clear error	e611	Shortcut error in reading
	e312	User managements open error	e710	Fax memory open error
	e313	User managements open error	e711	Fax memory initialization error
	e314	User managements open error	e712	Fax memory list error
	e315	User managements error in writing	e713	Fax memory error
	e316	User managements list error	e714	Fax memory error
	e317	User managements list error	e715	Fax memory mode error
	e318	User managements list error	e716	Fax memory error
	e319	User managements list error	e717	Fax memory error
	e31a	User managements open error	e718	Fax memory mode error
	e31b	User managements error	e910	File reading error
	e31c	User managements error	e911	File writing error
	e31d	User managements open error	e912	Data mismatch

Item No.	Description			
U917	Error Codes			
	Codes	Description	Codes	Description
	e913	Log file open error	d008	File rename error
	e914	Log file error in writing	d009	File open error
	e915	Directory open error	d00a	File close error
	e916	Directory error in reading	d00b	File reading error
	e917	Synchronization error	d00c	File writing error
	e918	Synchronization error	d00d	File copy error
	d000	Unspecified error	d00e	File compressed error
	d001	HDD unavailable	d00f	File decompressed error
	d002	USB memory is not inserted	d010	Directory open error
	d003	File for writing is not found in the USB	d011	Directory creation error
	d004	File for reading is not found in the HDD	d012	File writing error
	d005	USB error in writing	d013	File reading error
	d006	USB error in reading	d014	File deletion error
	d007	USB unmount error	d015	File copy error to the USB
	Completion			
	Press the stop key. The screen for selecting a maintenance item No. is displayed.			

Item No.	Description								
U920	<p>Checking the copy counts</p> <p>Description Checks the copy counts.</p> <p>Purpose To check the copy counts.</p> <p>Method 1. Press the start key. The current counts are displayed.</p> <table border="1" data-bbox="336 562 1401 752"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 651">B/W Copy</td> <td data-bbox="639 607 1401 651">Count value of black/white copy</td> </tr> <tr> <td data-bbox="336 651 639 696">B/W Prn</td> <td data-bbox="639 651 1401 696">Count value of black/white print</td> </tr> <tr> <td data-bbox="336 696 639 752">B/W Fax</td> <td data-bbox="639 696 1401 752">Count value of black/white FAX</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	B/W Copy	Count value of black/white copy	B/W Prn	Count value of black/white print	B/W Fax	Count value of black/white FAX
Display	Description								
B/W Copy	Count value of black/white copy								
B/W Prn	Count value of black/white print								
B/W Fax	Count value of black/white FAX								
U927	<p>Clearing the all copy counts and machine life counts (one time only)</p> <p>Description Resets all of the counts back to zero.</p> <p>Supplement The total account counter and the machine life counter can be cleared only once if all count values are 1000 or less.</p> <p>Method 1. Press the start key. 2. Select [Execute]. 3. Press the start key. All copy counts and machine life counts are cleared.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>								

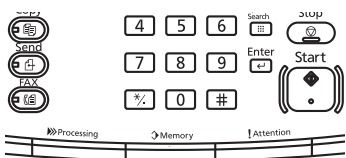
Item No.	Description				
U928	<p>Checking machine life counts</p> <p>Description Displays the machine life counts.</p> <p>Purpose To check the machine life counts.</p> <p>Method 1. Press the start key. The current machine life counts is displayed.</p> <table border="1" data-bbox="336 562 1401 658"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 658">Cnt</td> <td data-bbox="639 607 1401 658">Machine life counts</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Machine life counts
Display	Description				
Cnt	Machine life counts				
U930	<p>Checking/clearing the charger roller count</p> <p>Description Displays the counts of the charger roller counter for checking, setting or clearing.</p> <p>Purpose To check the count after replacement of the charger roller unit. To clear the counter value when replacing the charger roller unit.</p> <p>Method 1. Press the start key. The current counts of the charger roller count for each color is displayed.</p> <table border="1" data-bbox="336 1144 1401 1240"> <thead> <tr> <th data-bbox="336 1144 639 1189">Display</th> <th data-bbox="639 1144 1401 1189">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1189 639 1240">K</td> <td data-bbox="639 1189 1401 1240">Count value of charger roller</td> </tr> </tbody> </table> <p>Setting 1. Change the setting value using the +/- keys or numeric keys. 2. Press the start key. The value is set.</p> <p>Clearing 1. Select [Clear]. 2. Press the start key. The counts is cleared.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Count value of charger roller
Display	Description				
K	Count value of charger roller				

Item No.	Description						
U935	<p data-bbox="290 241 616 271">Relay board maintenance</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 911 374">Sets the mode when call for service (C0060) occurs.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1431 479">Sets the machine status temporarily when call for service (C0060) occurs. However, after the setting, call for service (C0060) occurs again when progress of period.</p> <p data-bbox="290 519 384 548">Setting</p> <ol data-bbox="308 555 711 618" style="list-style-type: none"> 1. Press the start key. 2. Select Mode using the +/- keys. <table border="1" data-bbox="336 631 1399 775"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Mode0</td> <td data-bbox="639 676 1399 721">Setting mode: OFF</td> </tr> <tr> <td data-bbox="336 721 639 775">Mode1</td> <td data-bbox="639 721 1399 775">Setting mode: ON (Usable up to three times of use)</td> </tr> </tbody> </table> <p data-bbox="336 786 624 815">* : Initial setting: Mode0</p> <ol data-bbox="308 822 1378 884" style="list-style-type: none"> 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="290 925 448 954">Supplement</p> <p data-bbox="290 958 1222 987">After removing the cause of the problem, be sure to change the setting in OFF.</p>	Display	Description	Mode0	Setting mode: OFF	Mode1	Setting mode: ON (Usable up to three times of use)
Display	Description						
Mode0	Setting mode: OFF						
Mode1	Setting mode: ON (Usable up to three times of use)						

Item No.	Description															
U942	<p data-bbox="288 241 807 275">Setting of deflection for feeding from DP</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1139 374">Adjusts the deflection generated when the document processor is used.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1409 479">Use this mode if an original non-feed jam, oblique feed or wrinkling of original occurs when the document processor is used.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 553 1182 757" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. 6. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 768 1401 947"> <thead> <tr> <th data-bbox="336 768 504 853">Display</th> <th data-bbox="504 768 946 853">Description</th> <th data-bbox="946 768 1082 853">Setting range</th> <th data-bbox="1082 768 1195 853">Initial setting</th> <th data-bbox="1195 768 1401 853">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 853 504 891">Front</td> <td data-bbox="504 853 946 891">Deflection of single-sided original</td> <td data-bbox="946 853 1082 891">-31 to 31</td> <td data-bbox="1082 853 1195 891">0</td> <td data-bbox="1195 853 1401 891">0.17 mm</td> </tr> <tr> <td data-bbox="336 891 504 947">Mix</td> <td data-bbox="504 891 946 947">Deflection of mixed original</td> <td data-bbox="946 891 1082 947">-31 to 31</td> <td data-bbox="1082 891 1195 947">0</td> <td data-bbox="1195 891 1401 947">0.17 mm</td> </tr> </tbody> </table> <p data-bbox="336 958 1377 1021">* : The greater the value, the larger the deflection; the smaller the value, the smaller the deflection.</p> <p data-bbox="371 1025 1417 1090">If an original non-feed jam or oblique feed occurs, increase the setting value. If wrinkling of original occurs, decrease the value.</p> <ol data-bbox="304 1095 767 1124" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1167 440 1196">Completion</p> <p data-bbox="288 1200 1254 1229">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Deflection of single-sided original	-31 to 31	0	0.17 mm	Mix	Deflection of mixed original	-31 to 31	0	0.17 mm
Display	Description	Setting range	Initial setting	Change in value per step												
Front	Deflection of single-sided original	-31 to 31	0	0.17 mm												
Mix	Deflection of mixed original	-31 to 31	0	0.17 mm												

Item No.	Description																										
U952	<p data-bbox="288 241 657 271">Maintenance mode workflow</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1428 409">The maintenance modes configured in the machine or a USB flash device as a workflow must be executed in succession.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 983 477">This allows maintenance mode to be preset as a template.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 551 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 629 1399 967"> <thead> <tr> <th data-bbox="336 629 603 680">Display</th> <th data-bbox="603 629 1399 680">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 603 725">Continue</td> <td data-bbox="603 680 1399 725">Restarting an abandoned workflow</td> </tr> <tr> <td data-bbox="336 725 603 770">Execute(USB)</td> <td data-bbox="603 725 1399 770">Executes a workflow housed in a USB flash device</td> </tr> <tr> <td data-bbox="336 770 603 815">Execute</td> <td data-bbox="603 770 1399 815">Executes a workflow stored in the machine</td> </tr> <tr> <td data-bbox="336 815 603 860">Entry(USB)</td> <td data-bbox="603 815 1399 860">Exports a workflow housed in a USB flash device to the machine</td> </tr> <tr> <td data-bbox="336 860 603 904">Entry</td> <td data-bbox="603 860 1399 904">Assigns a workflow in the machine manually</td> </tr> <tr> <td data-bbox="336 904 603 967">Log</td> <td data-bbox="603 904 1399 967">Displays a list of workflows recently executed</td> </tr> </tbody> </table> <p data-bbox="288 1010 523 1039">Method: [Execute]</p> <ol data-bbox="304 1043 572 1108" style="list-style-type: none"> 1. Select [Execute]. 2. Select the workflow. <table border="1" data-bbox="336 1122 1399 1218"> <thead> <tr> <th data-bbox="336 1122 641 1173">Display</th> <th data-bbox="641 1122 1399 1173">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1173 641 1218">Data1 - 6</td> <td data-bbox="641 1173 1399 1218">The area to store workflows in the machine</td> </tr> </tbody> </table> <ol data-bbox="304 1229 1126 1294" style="list-style-type: none"> 3. Press the start key. Executes maintenance modes defined in a workflow in succession. <p data-bbox="288 1335 489 1364">Method: [Entry]</p> <ol data-bbox="304 1368 730 1433" style="list-style-type: none"> 1. Select [Entry]. 2. Select the area to store workflow. <table border="1" data-bbox="336 1447 1399 1543"> <thead> <tr> <th data-bbox="336 1447 641 1498">Display</th> <th data-bbox="641 1447 1399 1498">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1498 641 1543">Data1 - 6</td> <td data-bbox="641 1498 1399 1543">The area to store workflows in the machine</td> </tr> </tbody> </table> <ol data-bbox="304 1554 1292 1583" style="list-style-type: none"> 3. Press the +/- keys or numeric keys to assign a maintenance Nbr. into a workflow. <table border="1" data-bbox="336 1597 1399 1693"> <thead> <tr> <th data-bbox="336 1597 641 1648">Display</th> <th data-bbox="641 1597 1399 1648">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1648 641 1693">Flow1 - 14</td> <td data-bbox="641 1648 1399 1693">Assign a maintenance Nbr.</td> </tr> </tbody> </table> <ol data-bbox="304 1704 1126 1798" style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Press the start key. Executes maintenance modes defined in a workflow in succession. 	Display	Description	Continue	Restarting an abandoned workflow	Execute(USB)	Executes a workflow housed in a USB flash device	Execute	Executes a workflow stored in the machine	Entry(USB)	Exports a workflow housed in a USB flash device to the machine	Entry	Assigns a workflow in the machine manually	Log	Displays a list of workflows recently executed	Display	Description	Data1 - 6	The area to store workflows in the machine	Display	Description	Data1 - 6	The area to store workflows in the machine	Display	Description	Flow1 - 14	Assign a maintenance Nbr.
Display	Description																										
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Execute(USB)	Executes a workflow housed in a USB flash device																										
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Display	Description																										
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Display	Description																										
Data1 - 6	The area to store workflows in the machine																										
Display	Description																										
Flow1 - 14	Assign a maintenance Nbr.																										

Item No.	Description												
U952	<p>Method: [Execute(USB)]</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U952. 5. Select [Execute(USB)]. 6. Select the workflow. <table border="1" data-bbox="336 526 1401 622"> <thead> <tr> <th data-bbox="336 526 641 571">Display</th> <th data-bbox="641 526 1401 571">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 571 641 622">WorkFlowData01 - 07</td> <td data-bbox="641 571 1401 622">Workflow data in the USB flash device</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Press the start key. Executes maintenance modes defined in a workflow in succession. <p>Method: [Entry(USB)]</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U952. 5. Select [Entry(USB)]. 6. Select the workflow. <table border="1" data-bbox="336 1023 1401 1120"> <thead> <tr> <th data-bbox="336 1023 641 1068">Display</th> <th data-bbox="641 1023 1401 1068">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1068 641 1120">WorkFlowData01 - 07</td> <td data-bbox="641 1068 1401 1120">Workflow data in the USB flash device</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Select the work flow save area. <table border="1" data-bbox="336 1171 1401 1267"> <thead> <tr> <th data-bbox="336 1171 641 1216">Display</th> <th data-bbox="641 1171 1401 1216">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1216 641 1267">Data1 - 6</td> <td data-bbox="641 1216 1401 1267">The area to store workflows in the machine</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Select [Execute]. Exports a workflow housed in a USB flash device to the machine. <p>Example Registration is feasible when a USB flash device that stores the commands and text/maintenance ID (editable) is inserted. File Format: xxx.mwf</p> <pre>!R! MNFC "WFPS"; 1, SET UP, 464, 410, 000, 927, 278 2, WARRANTY, 089, 000 3, MK-A, 119, 140, 127, 464, 412, 464, 410, 251 4, MK-C, 167, 464, 410, 251 WRED;EXIT;</pre> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	WorkFlowData01 - 07	Workflow data in the USB flash device	Display	Description	WorkFlowData01 - 07	Workflow data in the USB flash device	Display	Description	Data1 - 6	The area to store workflows in the machine
Display	Description												
WorkFlowData01 - 07	Workflow data in the USB flash device												
Display	Description												
WorkFlowData01 - 07	Workflow data in the USB flash device												
Display	Description												
Data1 - 6	The area to store workflows in the machine												

Item No.	Description																								
U964	<p>Checking of log</p> <p>Description Sends a log file saved on the HDD to a USB memory.</p> <p>Purpose To transfer a log file saved on the HDD to a USB memory as a means of investigating malfunctions.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U964. <table border="1" data-bbox="336 734 1401 907"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Execute</td> <td>Transfer the Log file which is stored into HDD into the USB memory</td> </tr> <tr> <td>Jam Log</td> <td>Exchange the Log acquisition function when JAM occurs</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 5. Select [Execute]. 6. Press the start key. Starts sending the log file saved on the HDD to the USB memory. Processing is displayed for approximately 3 to 5 minutes. 7. When normally completed, [Completed] is displayed. 8. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. If a problem occurs during auto correction, error code is displayed. <p>Setting: [Jam Log]</p> <ol style="list-style-type: none"> 1. Select Jam Log. 2. Select On or Off. <table border="1" data-bbox="336 1312 1401 1458"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>On</td> <td>Acquire the Log when JAM occurs</td> </tr> <tr> <td>Off</td> <td>Do not acquire the Log when JAM occurs</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>* : When U964 JAM setting turns ON, please explain the user make sure to turn OFF/ON the main power switch when the Log has been acquired completely after clearing jammed paper when JAM occurs.</p> <div style="display: flex; align-items: center;">  <table border="1" data-bbox="671 1682 1431 1899"> <thead> <tr> <th>Display</th> <th>During Log Retrieval</th> <th>After Log Retrieval</th> </tr> </thead> <tbody> <tr> <td>Attention indicator</td> <td>Blinking</td> <td>Lighting</td> </tr> <tr> <td>Processing indicator</td> <td>Blinking</td> <td>Blinking</td> </tr> <tr> <td>Memory indicator</td> <td>Blinking</td> <td>Lighting</td> </tr> </tbody> </table> </div> <p>* : When U964 JAM setting turns ON, the service call may appear wrongly due to malfunction if the main power switch is not turned OFF/ON after clearing jammed paper.</p>	Display	Description	Execute	Transfer the Log file which is stored into HDD into the USB memory	Jam Log	Exchange the Log acquisition function when JAM occurs	Display	Description	On	Acquire the Log when JAM occurs	Off	Do not acquire the Log when JAM occurs	Display	During Log Retrieval	After Log Retrieval	Attention indicator	Blinking	Lighting	Processing indicator	Blinking	Blinking	Memory indicator	Blinking	Lighting
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Attention indicator	Blinking	Lighting																							
Processing indicator	Blinking	Blinking																							
Memory indicator	Blinking	Lighting																							

Item No.	Description																
U964	<p>Supplement Instructions on how to obtain a log when the operation panel has frozen Simultaneously press and hold the *, 8, 6, and Clear keys for 3 to 6 seconds to start logging. The memory indicator keeps lighting during a log is generated and goes off when completed.</p> <p>Error codes</p> <table border="1" data-bbox="336 459 1401 842"> <thead> <tr> <th data-bbox="336 459 641 506">Display</th> <th data-bbox="641 459 1401 506">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 506 641 553">No Usb Storage</td> <td data-bbox="641 506 1401 553">USB memory is not inserted</td> </tr> <tr> <td data-bbox="336 553 641 600">No File</td> <td data-bbox="641 553 1401 600">File is not found</td> </tr> <tr> <td data-bbox="336 600 641 647">Mount Error</td> <td data-bbox="641 600 1401 647">USB memory mount error</td> </tr> <tr> <td data-bbox="336 647 641 694">File Delete Error</td> <td data-bbox="641 647 1401 694">File deletion error</td> </tr> <tr> <td data-bbox="336 694 641 741">Copy Error</td> <td data-bbox="641 694 1401 741">File copy error</td> </tr> <tr> <td data-bbox="336 741 641 788">Unmount Error</td> <td data-bbox="641 741 1401 788">USB memory unmount error</td> </tr> <tr> <td data-bbox="336 788 641 835">Other Error</td> <td data-bbox="641 788 1401 835">Other error</td> </tr> </tbody> </table>	Display	Description	No Usb Storage	USB memory is not inserted	No File	File is not found	Mount Error	USB memory mount error	File Delete Error	File deletion error	Copy Error	File copy error	Unmount Error	USB memory unmount error	Other Error	Other error
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No Usb Storage	USB memory is not inserted																
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File Delete Error	File deletion error																
Copy Error	File copy error																
Unmount Error	USB memory unmount error																
Other Error	Other error																
U969	<p>Checking of toner area code</p> <p>Description Displays the toner area code.</p> <p>Purpose To check the toner area code.</p> <p>Method 1. Press the start key. The toner area code is displayed.</p> <p>Completion Press the stop/clear key. The screen for selecting a maintenance item No. is displayed.</p>																

Item No.	Description								
U977	<p>Data capture mode</p> <p>Description Store the print data sent to the machine into USB memory.</p> <p>Purpose In case to occur the error at printing, check the print data sent to the machine.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U977. 5. Select [Execute]. 6. Press the start key. 7. Send the print data to the machine. Once the print data is stored into USB memory, [Finish] will be displayed. <p>Error codes</p> <table border="1" data-bbox="336 909 1401 1135"> <thead> <tr> <th>Error codes</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A removable memory has been crushed. A removable memory was removed during processing or is write-protected.</td> </tr> <tr> <td>2</td> <td>The removable memory is full.</td> </tr> <tr> <td>50</td> <td>Other error</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Error codes	Description	1	A removable memory has been crushed. A removable memory was removed during processing or is write-protected.	2	The removable memory is full.	50	Other error
Error codes	Description								
1	A removable memory has been crushed. A removable memory was removed during processing or is write-protected.								
2	The removable memory is full.								
50	Other error								
U984	<p>Checking the developer unit number</p> <p>Description Displays the developer unit number.</p> <p>Purpose To check the developer unit number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The developer unit number for each color is displayed. <table border="1" data-bbox="336 1597 1401 1691"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>Developer unit number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Developer unit number				
Display	Description								
K	Developer unit number								

Item No.	Description										
U985	<p>Displaying the developer unit history</p> <p>Description Displays the past record of machine number and the developer counter.</p> <p>Purpose To check the count value of machine number and the developer counter.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [K]. <table border="1" data-bbox="338 600 1401 694"> <thead> <tr> <th data-bbox="338 600 641 645">Display</th> <th data-bbox="641 600 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 645 641 694">K</td> <td data-bbox="641 645 1401 694">Developer unit past record</td> </tr> </tbody> </table> <p>The history of a machine number and a developer counter for each color is displayed by three cases.</p> <table border="1" data-bbox="338 784 1401 929"> <thead> <tr> <th data-bbox="338 784 641 828">Display</th> <th data-bbox="641 784 1401 828">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 828 641 873">Machine History1 - 3</td> <td data-bbox="641 828 1401 873">Historical records of the machine number</td> </tr> <tr> <td data-bbox="338 873 641 929">Cnt History1 - 3</td> <td data-bbox="641 873 1401 929">Historical records of developer counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	K	Developer unit past record	Display	Description	Machine History1 - 3	Historical records of the machine number	Cnt History1 - 3	Historical records of developer counter
Display	Description										
K	Developer unit past record										
Display	Description										
Machine History1 - 3	Historical records of the machine number										
Cnt History1 - 3	Historical records of developer counter										
U989	<p>HDD Scan disk</p> <p>Description Restores data in the hard disk by scanning the disk.</p> <p>Purpose If power is turned off while accessing to the hard disk is performed, the control information in the hard disk drive may be damaged. Use this mode to restore the data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. When scanning of the disk is complete, the execution result is displayed. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 										

Item No.	Description								
U990	<p data-bbox="290 241 906 273">Checking the time for the exposure lamp to light</p> <p data-bbox="290 309 438 340">Description</p> <p data-bbox="290 344 884 376">Displays the accumulated time for the CIS to light.</p> <p data-bbox="290 380 400 412">Purpose</p> <p data-bbox="290 416 715 448">To check duration of use of the CIS.</p> <p data-bbox="290 483 387 515">Method</p> <p data-bbox="308 519 564 551">1. Press the start key.</p> <p data-bbox="336 555 1104 586">The accumulated time for the CIS to light is displayed in minutes.</p> <table border="1" data-bbox="336 595 1401 694"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 694">CIS</td> <td data-bbox="639 640 1401 694">The accumulated time for the CIS to light</td> </tr> </tbody> </table> <p data-bbox="290 734 438 766">Completion</p> <p data-bbox="290 770 1254 801">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CIS	The accumulated time for the CIS to light				
Display	Description								
CIS	The accumulated time for the CIS to light								
U991	<p data-bbox="290 819 783 851">Checking the scanner operation count</p> <p data-bbox="290 887 438 918">Description</p> <p data-bbox="290 922 740 954">Displays the scanner operation count.</p> <p data-bbox="290 958 400 990">Purpose</p> <p data-bbox="290 994 783 1025">To check the status of use of the scanner.</p> <p data-bbox="290 1061 387 1093">Method</p> <p data-bbox="308 1097 1066 1128">1. Press the start key. The current operation counts is displayed.</p> <table border="1" data-bbox="336 1137 1401 1330"> <thead> <tr> <th data-bbox="336 1137 639 1182">Display</th> <th data-bbox="639 1137 1401 1182">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1182 639 1227">Copy Scan</td> <td data-bbox="639 1182 1401 1227">Scanner operation counts for copying</td> </tr> <tr> <td data-bbox="336 1227 639 1272">Fax Scan</td> <td data-bbox="639 1227 1401 1272">Scanner operation counts for fax</td> </tr> <tr> <td data-bbox="336 1272 639 1330">Other Scan</td> <td data-bbox="639 1272 1401 1330">Scanner operation counts except for copying</td> </tr> </tbody> </table> <p data-bbox="290 1370 438 1402">Completion</p> <p data-bbox="290 1406 1254 1438">Press the stop key. The screen for selecting a maintenance No. item is displayed.</p>	Display	Description	Copy Scan	Scanner operation counts for copying	Fax Scan	Scanner operation counts for fax	Other Scan	Scanner operation counts except for copying
Display	Description								
Copy Scan	Scanner operation counts for copying								
Fax Scan	Scanner operation counts for fax								
Other Scan	Scanner operation counts except for copying								

1-4-1 Paper misfeed detection

(1) Paper misfeed indication

When a paper misfeed occurs, the machine immediately stops printing and displays the paper misfeed message on the operation panel. To remove paper misfed in the machine, pull out the cassette, open the paper conveying unit or paper conveying cover.

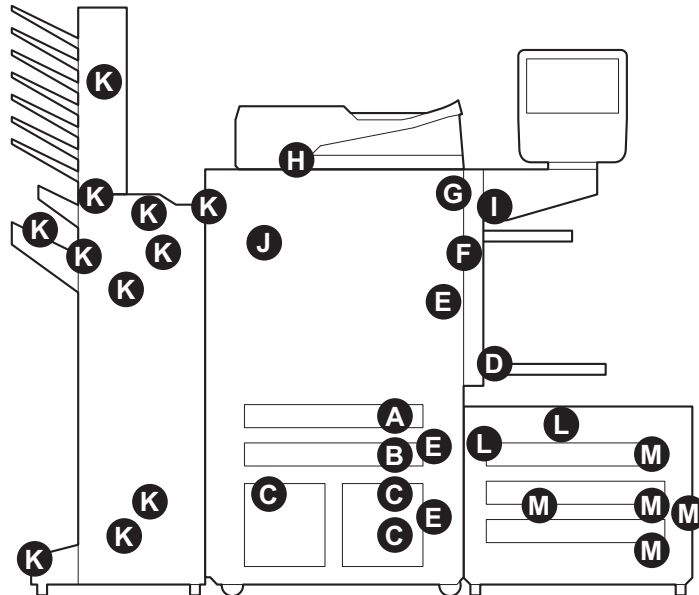


Figure 1-4-1 Paper misfeed indication

- A. Misfeed in cassette 1
- B. Misfeed in cassette 2
- C. Misfeed in cassette 3 or 4
- D. Misfeed in the MP tray
- E. Misfeed in paper conveying unit, paper conveying cover or PF paper conveying cover
- F. Misfeed in the duplex section
- G. Misfeed in the fuser section
- H. Misfeed in document processor
- I. Misfeed in job separator
- J. Misfeed in bridge unit
- K. Misfeed in document finisher (option)
- L. Misfeed in cassette 5 (option)
- M. Misfeed in cassette 6 or 7 (option)

* : This model does not support the following codes:

0111 /0503 /0504 /0505 /0513 /0514 /0515 /1703 /1704 /1713 /1714 /1904 /1914 /6001 /6021 /6041 /
6101 /6111 /6311 /6401 /6411 /6511 /6811 /6911 /7001 /7951 /9004 /9006 /9007 /9200 /9210 /9500

Code	Contents	Conditions	Jam location*
0000	Initial jam	The power is turned on when a sensor in the conveying system is on.	-
0100	Secondary paper feed request time out	Secondary paper feed request given by the controller is unreachable.	-
0101	Waiting for process package to become ready	Process package won't become ready.	-
0102	Waiting for toner package to become ready	Toner package won't become ready.	-
0103	Waiting for the image-sustaining package to become ready	The image-sustaining package won't become ready.	-
0104	Waiting for conveying package to become ready	Conveying package won't become ready.	-
0106	Paper feeding request for duplex printing time out	Paper feeding request for duplex printing given by the controller is unreachable.	-
0107	Waiting for fuser package to become ready	Fuser package won't become ready.	-
0108	Waiting for option package to become ready	Option package won't become ready.	-
0110	Paper conveying unit open	The paper conveying unit is opened during printing.	E
0112	Duplex cover open	The duplex cover is opened during printing.	F
0113	Paper conveying cover open	The paper conveying cover is opened during printing.	E
0114	BR conveying unit open	The BR conveying unit is opened during printing.	J
0115	BR eject cover open	The BR eject cover is opened during printing.	J
0131	MP lift sensor upper limit detection	MP lift sensor 1 (MPLS1) does not turn on within specified time of the MP lift plate rising.	D
0132	Rotary guide detection	Rotary sensor (RTS) does not turn on.	J
0200	Machine sequence error	A sequence error has caused.	-
0210	PF paper conveying cover open	The PF paper conveying cover is opened during printing.	E
0211	SM paper conveying cover open	The SM paper conveying cover is opened during printing.	L
0212	SM top cover open	The SM top cover is opened during printing.	L
0213	SD cover open	The SD cover is opened during printing.	L
0214	PF paper conveying cover (side) open	The PF paper conveying cover (side) is opened during printing.	M

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
0215	Side multi tray release	The side multi tray is released during printing.	L
0300	Ejection uncompleted	An ejection-completed error has occurred.	-
0501	No paper feed from cassette 1	Feed sensor 1 (FS1) does not turn on during paper feed from cassette 1.	A
0502	No paper feed from cassette 2	Feed sensor 2 (FS2) does not turn on during paper feed from cassette 2.	B
0506	No paper feed from cassette 6	PF feed sensor 1 (PFFS1) does not turn on during paper feed from cassette 6 (side paper feeder).	M
0507	No paper feed from cassette 7	PF feed sensor 2 (PFFS2) does not turn on during paper feed from cassette 7 (side paper feeder).	M
0508	No paper feed from duplex section	Registration sensor (RS) does not turn on during paper feed from duplex section.	F
0509	No paper feed from MP tray	MP feed sensor (MPFS) does not turn on during paper feed from MP tray.	D
0511	Multiple sheets in cassette 1	Feed sensor 1 (FS1) does not turn off during paper feed from cassette 1.	A
0512	Multiple sheets in cassette 2	Feed sensor 2 (FS2) does not turn off during paper feed from cassette 2.	B
0516	Multiple sheets in cassette 6	PF feed sensor 1 (PFFS1) does not turn off during paper feed from cassette 6 (side paper feeder).	M
0517	Multiple sheets in cassette 7	PF feed sensor 2 (PFFS2) does not turn off during paper feed from cassette 7 (side paper feeder).	M
0518	Multiple sheets in duplex section	Registration sensor (RS) does not turn off during paper feed from duplex section.	F
0519	Multiple sheets in MP tray	MP feed sensor (MPFS) does not turn off during paper feed from MP tray.	D
0523	No paper feed from cassette 3	PF feed sensor 1 (PFFS1) does not turn on during paper feed from cassette 3 (large capacity feeder).	C
0524	No paper feed from cassette 4	PF feed sensor 2 (PFFS2) does not turn on during paper feed from cassette 4 (large capacity feeder).	C
0525	No paper feed from cassette 5	SM feed sensor (SMFS) does not turn on during paper feed from cassette 5 (side multi tray).	L
0526	No paper feed from cassette 6	PF feed sensor 1 (PFFS1) does not turn on during paper feed from cassette 6 (side large capacity feeder).	M
0527	No paper feed from cassette 7	PF feed sensor 2 (PFFS2) does not turn on during paper feed from cassette 7 (side large capacity feeder).	M
0533	Multiple sheets in cassette 3	PF feed sensor 1 (PFFS1) does not turn off during paper feed from cassette 3 (large capacity feeder)	C
0534	Multiple sheets in cassette 4	PF feed sensor 2 (PFFS2) does not turn off during paper feed from cassette 4 (large capacity feeder).	C

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
0535	Multiple sheets in cassette 5	SM feed sensor (SMFS) does not turn off during paper feed from cassette 5 (side multi tray).	L
0536	Multiple sheets in cassette 6	PF feed sensor 1 (PFFS1) does not turn off during paper feed from cassette 6 (side large capacity feeder).	M
0537	Multiple sheets in cassette 7	PF feed sensor 2 (PFFS2) does not turn off during paper feed from cassette 7 (side large capacity feeder).	M
0545	No paper feed from side deck	SD feed sensor (SDFS) does not turn on during paper feed from side deck.	L
0555	Multiple sheets in side deck	SD feed sensor (SDFS) does not turn off during paper feed from side deck.	L
1301	Middle sensor non arrival jam	Middle sensor (MS) does not turn on during paper feed from cassette 1.	A
1302		Middle sensor (MS) does not turn on during paper feed from cassette 2.	B
1303		Middle sensor (MS) does not turn on during paper feed from cassette 3.	C
1304		Middle sensor (MS) does not turn on during paper feed from cassette 4.	C
1305		Middle sensor (MS) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	L
1306		Middle sensor (MS) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	M
1307		Middle sensor (MS) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	M

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
1311	Middle sensor stay jam	Middle sensor (MS) does not turn off during paper feed from cassette 1.	E
1312		Middle sensor (MS) does not turn off during paper feed from cassette 2.	E
1313		Middle sensor (MS) does not turn off during paper feed from cassette 3.	E
1314		Middle sensor (MS) does not turn off during paper feed from cassette 4.	E
1315		Middle sensor (MS) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	E
1316		Middle sensor (MS) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	E
1317		Middle sensor (MS) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	E
1502	Paper conveying sensor non arrival jam	Paper conveying sensor (PCS) does not turn on during paper feed from cassette 2.	B
1503		Paper conveying sensor (PCS) does not turn on during paper feed from cassette 3.	C
1504		Paper conveying sensor (PCS) does not turn on during paper feed from cassette 4.	C
1512	Paper conveying sensor stay jam	Paper conveying sensor (PCS) does not turn off during paper feed from cassette 2.	E
1513		Paper conveying sensor (PCS) does not turn off during paper feed from cassette 3.	E
1514		Paper conveying sensor (PCS) does not turn off during paper feed from cassette 4.	E
2106	PF paper conveying sensor 1 non arrival jam	PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 6 (side paper feeder).	M
2107		PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 7 (side paper feeder).	M
2116	PF paper conveying sensor 1 stay jam	PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 6 (side paper feeder).	L
2117		PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 7 (side paper feeder).	L

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
2307	PF paper conveying sensor 2 non arrival jam	PF paper conveying sensor 2 (PFPCS2) does not turn on during paper feed from cassette 7 (side paper feeder).	M
2317	PF paper conveying sensor 2 stay jam	PF paper conveying sensor 2 (PFPCS2) does not turn off during paper feed from cassette 7 (side paper feeder).	M
2603	PF paper conveying sensor 1 non arrival jam	PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 3 (large capacity feeder).	C
2604		PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 4 (large capacity feeder).	C
2606		PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 6 (side large capacity feeder).	M
2607		PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 7 (side large capacity feeder).	M
2613	PF paper conveying sensor 1 stay jam	PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 3 (large capacity feeder).	E
2614		PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 4 (large capacity feeder).	E
2616		PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 6 (side large capacity feeder).	L
2617		PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 7 (side large capacity feeder).	L
2704	PF paper conveying sensor 2 non arrival jam	PF paper conveying sensor 2 (PFPCS2) does not turn on during paper feed from cassette 4 (large capacity feeder).	C
2707		PF paper conveying sensor 2 (PFPCS2) does not turn on during paper feed from cassette 7 (side large capacity feeder).	M
2714	PF paper conveying sensor 2 stay jam	PF paper conveying sensor 2 (PFPCS2) does not turn off during paper feed from cassette 4 (large capacity feeder).	E
2717		PF paper conveying sensor 2 (PFPCS2) does not turn off during paper feed from cassette 7 (side large capacity feeder).	L

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
3106	PF paper conveying sensor 1 non arrival jam	PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 6 (side large capacity feeder).	M
3107		PF paper conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 7 (side large capacity feeder).	M
3116	PF paper conveying sensor 1 stay jam	PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 6 (side large capacity feeder).	L
3117		PF paper conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 7 (side large capacity feeder).	L
3307	PF paper conveying sensor 2 non arrival jam	PF paper conveying sensor 2 (PFPCS2) does not turn on during paper feed from cassette 7 (side large capacity feeder).	M
3317	PF paper conveying sensor 2 stay jam	PF paper conveying sensor 2 (PFPCS2) does not turn off during paper feed from cassette 7 (side large capacity feeder).	L
3405	SM paper conveying sensor 1 non arrival jam	SM paper conveying sensor 1 (SMPCS1) does not turn on during paper feed from cassette 5 (side multi tray).	L
3406		SM paper conveying sensor 1 (SMPCS1) does not turn on during paper feed from cassette 6 (side multi tray).	M
3407		SM paper conveying sensor 1 (SMPCS1) does not turn on during paper feed from cassette 7 (side multi tray).	M
3415	SM paper conveying sensor 1 stay jam	SM paper conveying sensor 1 (SMPCS1) does not turn off during paper feed from cassette 5 (side multi tray).	L
3416		SM paper conveying sensor 1 (SMPCS1) does not turn off during paper feed from cassette 6 (side multi tray).	L
3417		SM paper conveying sensor 1 (SMPCS1) does not turn off during paper feed from cassette 7 (side multi tray).	L

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
3505	SM paper conveying sensor 2 non arrival jam	SM paper conveying sensor 2 (SMPCS2) does not turn on during paper feed from cassette 5 (side multi tray).	L
3506		SM paper conveying sensor 2 (SMPCS2) does not turn on during paper feed from cassette 6 (side multi tray).	M
3507		SM paper conveying sensor 2 (SMPCS2) does not turn on during paper feed from cassette 7 (side multi tray).	M
3515	SM paper conveying sensor 2 stay jam	SM paper conveying sensor 2 (SMPCS2) does not turn off during paper feed from cassette 5 (side multi tray).	L
3516		SM paper conveying sensor 2 (SMPCS2) does not turn off during paper feed from cassette 6 (side multi tray).	L
3517		SM paper conveying sensor 2 (SMPCS2) does not turn off during paper feed from cassette 7 (side multi tray).	L
3605	SM paper conveying sensor 3 non arrival jam	SM paper conveying sensor 3 (SMPCS3) does not turn on during paper feed from cassette 5 (side multi tray).	L
3606		SM paper conveying sensor 3 (SMPCS3) does not turn on during paper feed from cassette 6 (side multi tray).	M
3607		SM paper conveying sensor 3 (SMPCS3) does not turn on during paper feed from cassette 7 (side multi tray).	M
3615	SM paper conveying sensor 3 stay jam	SM paper conveying sensor 3 (SMPCS3) does not turn off during paper feed from cassette 5 (side multi tray).	L
3616		SM paper conveying sensor 3 (SMPCS3) does not turn off during paper feed from cassette 6 (side multi tray).	L
3617		SM paper conveying sensor 3 (SMPCS3) does not turn off during paper feed from cassette 7 (side multi tray).	M
3705	SM eject sensor non arrival jam	SM eject sensor (SMES) does not turn on during paper feed from cassette 5 (side multi tray).	L
3706		SM eject sensor (SMES) does not turn on during paper feed from cassette 6 (side multi tray).	M
3707		SM eject sensor (SMES) does not turn on during paper feed from cassette 7 (side multi tray).	M

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
3715	SM eject sensor stay jam	SM eject sensor (SMES) does not turn off during paper feed from cassette 5 (side multi tray).	L
3716		SM eject sensor (SMES) does not turn off during paper feed from cassette 6 (side multi tray).	L
3717		SM eject sensor (SMES) does not turn off during paper feed from cassette 7 (side multi tray).	L
4001	Registration sensor non arrival jam	Registration sensor (RS) does not turn on during paper feed from cassette 1.	E
4002		Registration sensor (RS) does not turn on during paper feed from cassette 2.	E
4003		Registration sensor (RS) does not turn on during paper feed from cassette 3.	E
4004		Registration sensor (RS) does not turn on during paper feed from cassette 4.	E
4005		Registration sensor (RS) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	E
4006		Registration sensor (RS) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	E
4007		Registration sensor (RS) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	E
4009		Registration sensor (RS) does not turn on during paper feed from MP tray.	E

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4011	Registration sensor stay jam	Registration sensor (RS) does not turn off during paper feed from cassette 1.	E
4012		Registration sensor (RS) does not turn off during paper feed from cassette 2.	E
4013		Registration sensor (RS) does not turn off during paper feed from cassette 3.	E
4014		Registration sensor (RS) does not turn off during paper feed from cassette 4.	E
4015		Registration sensor (RS) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	E
4016		Registration sensor (RS) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	E
4017		Registration sensor (RS) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	E
4019		Registration sensor (RS) does not turn off during paper feed from MP tray.	E
4101	Loop sensor non arrival jam	Loop sensor (LPS) does not turn on during paper feed from cassette 1.	E
4102		Loop sensor (LPS) does not turn on during paper feed from cassette 2.	E
4103		Loop sensor (LPS) does not turn on during paper feed from cassette 3.	E
4104		Loop sensor (LPS) does not turn on during paper feed from cassette 4.	E
4105		Loop sensor (LPS) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	E
4106		Loop sensor (LPS) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	E
4107		Loop sensor (LPS) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	E
4108		Loop sensor (LPS) does not turn on during paper feed from duplex section.	E
4109		Loop sensor (LPS) does not turn on during paper feed from MP tray.	E

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4111	Loop sensor stay jam	Loop sensor (LPS) does not turn off during paper feed from cassette 1.	E
4112		Loop sensor (LPS) does not turn off during paper feed from cassette 2.	E
4113		Loop sensor (LPS) does not turn off during paper feed from cassette 3.	E
4114		Loop sensor (LPS) does not turn off during paper feed from cassette 4.	E
4115		Loop sensor (LPS) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	E
4116		Loop sensor (LPS) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	E
4117		Loop sensor (LPS) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	E
4118		Loop sensor (LPS) does not turn off during paper feed from duplex section.	E
4119		Loop sensor (LPS) does not turn off during paper feed from MP tray.	E
4201		Fuser eject sensor non arrival jam	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 1.
4202	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 2.		E
4203	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 3.		E
4204	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 4.		E
4205	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 5 (side multi tray/side deck).		E
4206	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).		E
4207	Fuser eject sensor (FUES) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).		E
4208	Fuser eject sensor (FUES) does not turn on during paper feed from duplex section.		E
4209	Fuser eject sensor (FUES) does not turn on during paper feed from MP tray.		E

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4211	Fuser eject sensor stay jam	Fuser eject sensor (FUES) does not turn off during paper feed from cassette 1.	G
4212		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 2.	G
4213		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 3.	G
4214		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 4.	G
4215		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	G
4216		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	G
4217		Fuser eject sensor (FUES) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	G
4218		Fuser eject sensor (FUES) does not turn off during paper feed from duplex section.	G
4219		Fuser eject sensor (FUES) does not turn off during paper feed from MP tray.	G
4301	Duplex sensor 1 non arrival jam	Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 1.	G
4302		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 2.	G
4303		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 3.	G
4304		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 4.	G
4305		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	G
4306		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	G
4307		Duplex sensor 1 (DUS1) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	G
4309		Duplex sensor 1 (DUS1) does not turn on during paper feed from MP tray.	G

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4311	Duplex sensor 1 stay jam	Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 1.	F
4312		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 2.	F
4313		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 3.	F
4314		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 4.	F
4315		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	F
4316		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	F
4317		Duplex sensor 1 (DUS1) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	F
4319		Duplex sensor 1 (DUS1) does not turn off during paper feed from MP tray.	F
4401	Duplex sensor 2 non arrival jam	Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 1.	F
4402		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 2.	F
4403		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 3.	F
4404		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 4.	F
4405		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	F
4406		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	F
4407		Duplex sensor 2 (DUS2) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	F
4409		Duplex sensor 2 (DUS2) does not turn on during paper feed from MP tray.	F

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4411	Duplex sensor 2 stay jam	Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 1.	F
4412		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 2.	F
4413		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 3.	F
4414		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 4.	F
4415		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	F
4416		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	F
4417		Duplex sensor 2 (DUS2) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	F
4418		Duplex sensor 2 (DUS2) does not turn off during paper feed from duplex section.	F
4419		Duplex sensor 2 (DUS2) does not turn off during paper feed from MP tray.	F
4601		Eject sensor non arrival jam	Eject sensor (ES) does not turn on during paper feed from cassette 1.
4602	Eject sensor (ES) does not turn on during paper feed from cassette 2.		G
4603	Eject sensor (ES) does not turn on during paper feed from cassette 3.		G
4604	Eject sensor (ES) does not turn on during paper feed from cassette 4.		G
4605	Eject sensor (ES) does not turn on during paper feed from cassette 5 (side multi tray/side deck).		G
4606	Eject sensor (ES) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).		G
4607	Eject sensor (ES) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).		G
4608	Eject sensor (ES) does not turn on during paper feed from duplex section.		G
4609	Eject sensor (ES) does not turn on during paper feed from MP tray.		G

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4611	Eject sensor stay jam	Eject sensor (ES) does not turn off during paper feed from cassette 1.	G
4612		Eject sensor (ES) does not turn off during paper feed from cassette 2.	G
4613		Eject sensor (ES) does not turn off during paper feed from cassette 3.	G
4614		Eject sensor (ES) does not turn off during paper feed from cassette 4.	G
4615		Eject sensor (ES) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	G
4616		Eject sensor (ES) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	G
4617		Eject sensor (ES) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	G
4618		Eject sensor (ES) does not turn off during paper feed from duplex section.	G
4619		Eject sensor (ES) does not turn off during paper feed from MP tray.	G
4701	Switchback sensor non arrival jam	Switchback sensor (SBS) does not turn on during paper feed from cassette 1.	G
4702		Switchback sensor (SBS) does not turn on during paper feed from cassette 2.	G
4703		Switchback sensor (SBS) does not turn on during paper feed from cassette 3 (paper feeder).	G
4704		Switchback sensor (SBS) does not turn on during paper feed from cassette 4 (paper feeder).	G
4705		Switchback sensor (SBS) does not turn on during paper feed from cassette 5 (side multi tray/side deck).	G
4706		Switchback sensor (SBS) does not turn on during paper feed from cassette 6 (side paper feeder).	G
4707		Switchback sensor (SBS) does not turn on during paper feed from cassette 7 (side paper feeder).	G
4708		Switchback sensor (SBS) does not turn on during paper feed from duplex section.	G
4709		Switchback sensor (SBS) does not turn on during paper feed from MP tray.	G

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4711	Switchback sensor stay jam	Switchback sensor (SBS) does not turn off during paper feed from cassette 1.	I
4712		Switchback sensor (SBS) does not turn off during paper feed from cassette 2.	I
4713		Switchback sensor (SBS) does not turn off during paper feed from cassette 3.	I
4714		Switchback sensor (SBS) does not turn off during paper feed from cassette 4.	I
4715		Switchback sensor (SBS) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	I
4716		Switchback sensor (SBS) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	I
4717		Switchback sensor (SBS) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	I
4718		Switchback sensor (SBS) does not turn off during paper feed from duplex section.	I
4719		Switchback sensor (SBS) does not turn off during paper feed from MP tray.	I
4901		BR conveying sensor 1 non arrival jam	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 1.
4902	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 2.		G
4903	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 3.		G
4904	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 4.		G
4905	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 5 (side multi tray/side deck).		G
4906	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).		G
4907	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).		G
4908	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from duplex section.		G
4909	BR conveying sensor 1 (BRCS1) does not turn on during paper feed from MP tray.		G

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4911	BR conveying sensor 1 stay jam	BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 1.	J
4912		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 2.	J
4913		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 3.	J
4914		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 4.	J
4915		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 5 (side multi tray/ side deck).	J
4916		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	J
4917		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	J
4918		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from duplex section.	J
4919		BR conveying sensor 1 (BRCS1) does not turn off during paper feed from MP tray.	J
5001		BR conveying sensor 2 non arrival jam	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 1.
5002	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 2.		J
5003	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 3.		J
5004	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 4.		J
5005	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 5 (side multi tray/ side deck).		J
5006	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).		J
5007	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).		J
5008	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from duplex section.		J
5009	BR conveying sensor 2 (BRCS2) does not turn on during paper feed from MP tray.		J

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
5011	BR conveying sensor 2 stay jam	BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 1.	J
5012		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 2.	J
5013		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 3.	J
5014		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 4.	J
5015		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 5 (side multi tray/ side deck).	J
5016		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	J
5017		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	J
5018		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from duplex section.	J
5019		BR conveying sensor 2 (BRCS2) does not turn off during paper feed from MP tray.	J
5101		BR eject sensor non arrival jam	BR eject sensor (BRES) does not turn on during paper feed from cassette 1.
5102	BR eject sensor (BRES) does not turn on during paper feed from cassette 2.		J
5103	BR eject sensor (BRES) does not turn on during paper feed from cassette 3.		J
5104	BR eject sensor (BRES) does not turn on during paper feed from cassette 4.		J
5105	BR eject sensor (BRES) does not turn on during paper feed from cassette 5 (side multi tray/side deck).		J
5106	BR eject sensor (BRES) does not turn on during paper feed from cassette 6 (side paper feeder/side large capacity feeder).		J
5107	BR eject sensor (BRES) does not turn on during paper feed from cassette 7 (side paper feeder/side large capacity feeder).		J
5108	BR eject sensor (BRES) does not turn on during paper feed from duplex section.		J
5109	BR eject sensor (BRES) does not turn on during paper feed from MP tray.		J

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
5111	BR eject sensor stay jam	BR eject sensor (BRES) does not turn off during paper feed from cassette 1.	J
5112		BR eject sensor (BRES) does not turn off during paper feed from cassette 2.	J
5113		BR eject sensor (BRES) does not turn off during paper feed from cassette 3.	J
5114		BR eject sensor (BRES) does not turn off during paper feed from cassette 4.	J
5115		BR eject sensor (BRES) does not turn off during paper feed from cassette 5 (side multi tray/side deck).	J
5116		BR eject sensor (BRES) does not turn off during paper feed from cassette 6 (side paper feeder/side large capacity feeder).	J
5117		BR eject sensor (BRES) does not turn off during paper feed from cassette 7 (side paper feeder/side large capacity feeder).	J
5118		BR eject sensor (BRES) does not turn off during paper feed from duplex section.	J
5119		BR eject sensor (BRES) does not turn off during paper feed from MP tray.	J
6000	DF paper entry error	DF paper entry sensor (DFPES) turns on before the eject signal is output from the machine.	K
6020	DF front cover open	DF front upper cover is opened during operation.	K
6050	CF eject cover open	CF eject cover is opened during operation.	K
6060	MB cover open	MB cover is opened during operation.	K
6070	Center folding unit open	Center folding unit is opened during operation.	K
6080	CF left guide open	CF left guide is opened during operation.	K
6100	DF paper entry sensor non arrival jam	DF paper entry sensor (DFPES) is not turned on even if a specified time has elapsed after the machine eject signal was received.	K
6110	DF paper entry sensor stay jam	DF paper entry sensor (DFPES) is not turned off within specified time of its turning on.	K
6200	DF sub eject sensor non arrival jam	DF sub eject sensor (DFSES) does not turn on within specified time of DF paper entry sensor (DFPES) turning on.	K
6210	DF sub eject sensor stay jam	DF sub eject sensor (DFSES) is not turned off within specified time of its turning on.	K

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
6300	DF middle sensor non arrival jam	DF middle sensor (DFMES) does not turn on within specified time of DF paper entry sensor (DFPES) turning on.	K
6310	DF middle sensor stay jam	DF middle sensor (DFMES) is not turned off within specified time of its turning on.	K
6400	DF tray upper surface sensor non arrival jam	DF tray upper surface sensor (DFTUSS) does not turn on within specified time of DF middle sensor (DFMES) turning on.	K
6410	DF tray upper surface sensor stay jam	DF tray upper surface sensor (DFTUSS) is not turned off within specified time of its turning on.	K
6500	DF eject paper sensor non arrival jam	DF eject paper sensor (DFMETS) does not turn on within specified time of DF middle sensor (DFMES) turning on.	K
6510	DF eject paper sensor stay jam	DF eject paper sensor (DFMETS) is not turned off since the bundle discharge starts.	K
6600	DF drum sensor non arrival jam	DF drum sensor (DFDRS) does not turn on within specified time of DF paper entry sensor (DFPES) turning on.	K
6610	DF drum sensor stay jam	DF drum sensor (DFDRS) is not turned off within specified time of its turning on.	K
6710	Center folding unit stay jam	During paper conveying to center folding unit, DF drum sensor (DFDRS) is not turned off within specified time of its turning on.	K
6810	DF side registration sensor 1 stay jam	DF side registration sensor 1 (DFSR1) is not turned off within specified time after driving the DF side registration motor 1 (DFSRM1).	K
6910	DF side registration sensor 2 stay jam	DF side registration sensor 2 (DFSR2) is not turned off within specified time after driving the DF side registration motor 2 (DFSRM2).	K
7000	DF staple operation error	DF staple sensor (DFSTS) is not turned on within specified time after driving the DF staple motor (DFSTM).	K
7100	CF paper entry sensor non arrival jam	CF paper entry sensor (CFPES) is not turned on even if a specified time has elapsed after the machine eject signal was received.	K
7110	CF paper entry sensor stay jam	CF paper entry sensor (CFPES) is not turned off within specified time of its turning on.	K
7200	CF eject sensor non arrival jam	CF eject sensor (CFES) is not turned on within specified time since centerfold operation starts.	K
7210	CF eject sensor stay jam	During centerfold operation, CF eject sensor (CFES) is not turned off within specified time of its turning on.	K

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
7300	CF eject sensor non arrival jam	CF eject sensor (CFES) is not turned on within specified time since three fold operation starts.	K
7310	CF eject sensor stay jam	During three fold operation, CF eject sensor (CFES) is not turned off within specified time of its turning on.	K
7400	CF side registration sensor 2 non arrival jam	CF side registration sensor 2 (CFSRS2) is not turned on within specified time after driving the CF side registration motor 2 (CFSRM2).	K
7500	CF side registration sensor 1 non arrival jam	CF side registration sensor 1 (CFSRS1) is not turned on within specified time after driving the CF side registration motor 1 (CFSRM1).	K
7600	CF staple operation error	CF staple sensor (CFSTS) is not turned on within specified time after driving the CF staple motor (CFSTM).	K
7700	CF paper conveying sensor non arrival jam	CF paper conveying sensor (CFPCS) is not turned on even if a specified time has elapsed after the machine eject signal was received.	K
7710	CF paper conveying sensor stay jam	CF paper conveying sensor (CFPCS) is not turned off within specified time of its turning on.	K
7800	MB eject sensor non arrival jam	MB eject sensor (MBES) is not turned on even if a specified time has elapsed after the machine eject signal was received.	K
7810	MB eject sensor stay jam	MB eject sensor (MBES) is not turned off within specified time of its turning on.	K
7900	Middle paddle error jam	DF paddle sensor (DFPDS) is not turned on within specified time after driving the DF middle motor (DFMM).	K
7950	Paper interval error jam	An illegal inter-page or inter-copy interval has occurred.	K
9000	No original feed	DP feed sensor (DPFS) does not turn on within specified time during the first sheet feeding (Retry 5 times).	H
9001	DP original conveying jam	DP timing sensor (DPTS) turns off within the specified time since the sensor turns on.	H
9002	DP sensor stay jam	Sensor in the conveying system is on since original feeding starts.	H
9005	No original feed 2	DP lift sensor 1 (DPLS1) does not turn on within specified time of the lift plate rising.	H
9008	No original feed 3	DP CIS sensor (DPCS) does not turn on within specified time of the paper feed starting.	H
9009	DP original conveying jam 2	Next feed original became the stand-by states of paper feed while reading the image.	H

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

Code	Contents	Conditions	Jam location*
9010	Document processor open	Document processor is opened during original feeding.	H
9011	DP top cover open	The DP top cover is opened during original feeding.	H
9020	Original skew feed jam	DP skew sensor (DPSS) does not turn on within specified time of DP registration sensor (DPRS) turning on.	H
9030	Original multi feed jam	DP multi feed sensor (DPMFS) does turn on.	H
9110	DP feed sensor stay jam	DP feed sensor (DPFS) does not turn off within specified time of DP timing sensor (DPTS) turning on.	H
9300	DP CIS sensor non arrival jam	DP CIS sensor (DPCS) does not turn on within specified time of DP registration sensor (DPRS) turning on.	H
9310	DP CIS sensor stay jam	DP CIS sensor (DPCS) does not turn off within specified time of DP registration sensor (DPRS) turning off.	H
9400	DP timing sensor non arrival jam	DP timing sensor (DPTS) does not turn on within specified time of DP feed sensor (DPFS) turning on.	H
9410	DP timing sensor stay jam	DP timing sensor (DPTS) does not turn off within specified time of DP feed sensor (DPFS) turning off.	H
9600	DP eject sensor non arrival jam	DP eject sensor (DPES) does not turn on within specified time of DP timing sensor (DPTS) turning on.	H

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

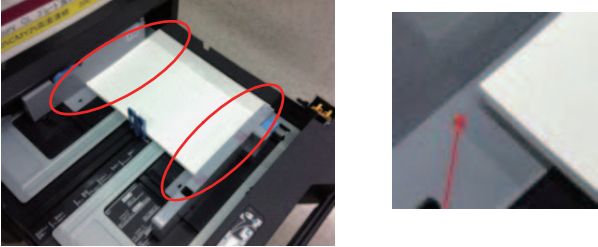
Code	Contents	Conditions	Jam location*
9610	DP eject sensor stay jam	DP eject sensor (DPES) does not turn off within specified time of DP timing sensor (DPTS) turning off.	H

*: Refer to figure 1-4-1 for paper misfeed indication (see page 1-4-1).

1-4-2 Troubleshooting

(1) First check items

If the paper is fed askew, jammed, curled, or leading-edge dog-eared, first perform to check the following items.

Check items	Check description	Corrective measures
Paper	1. Check the paper delivered is dog-eared, skewed, ruffled, loosely fused, or curled.	If a dog-ear has happened, check there are no objects existing in the conveying paths and, if any, fix. If the paper is fed askew or crumpled, perform the following No.2.If an inferior fusing or curling is observed and the fuser temperature is set to a abnormal value, when measured by performing maintenance mode U161, reset to the default. (see page 1-3-88)
	2. Check how paper is loaded in the cassette (deck). Check that the paper has been properly aligned with width adjuster cursor and the rear guide; it has been loaded without skewing; or it is not damaged. (Crumpled paper, main unit/DF jam)	Adjust the cursors to the size of the paper. (If paper is fed askew, perform a skew cancellation adjustment of the width adjuster cursor.) (see page 1-5-110)
		
	3. Check how paper is loaded. Check if the cutting edge of the paper bundle inside is crumpled or bent.	If the cutting edge of the paper bundle is crumpled, fan the paper before loading. If the paper is folded, stretch before loading in the cassette
	4. If a large-capacity deck is being used, check how paper is loaded in the deck. Check if the paper inside the deck is placed above the guide.	Reload the paper so that its edges won't be situated above the platform.
	5. Check the paper is damp, wavy, or curled.	1. Load the paper bundle in the cassette upside down. 2. Load the paper bundle after rotating it 180° and reload. 3. Change the paper.
	6. Check if the paper loaded was stored in a continuously humid place.	Instruct the user to store paper in a dry, less humid place. Install a cassette heater and configure using U327. (see page 1-3-129)
7. Check if the paper conforms to the requirements.	Isolate the cause of the problem by replacing the paper with the recommended paper. (see page 1-1-1)	

Check items	Check description	Corrective measures
Paper	8. Check the paper ejected is dog-eared, skewed, ruffled, loosely fused, or curled.	If the maintenance mode U161 shows that the fuser temperature is set to an abnormal value, reset it to the default. (see page 1-3-88)
Settings/ Detection	1. Perform U034 to check the reference mark is situated at 20mm±1mm from the edge. (Fuser jam) (see page 1-3-33)	If the check line is not situated at 20mm±1mm from the leading edge, adjust the leading margin by U402. (see page 1-3-133)
	2. Check the panel if the paper size is correctly detected and the cassette size is not fixed.(Paper jam caused by continuously fed paper, DF Jam J611X) Perform U000 to obtain a Event Log to check if the paper size and the size of the paper loaded are met when jam has occurred and if the size of the original document and the paper size are met. see page 1-3-9)	If the paper size is incorrectly displayed, adjust the positions of the paper set guide cursors in accordance with the paper size, making sure that the paper is not askew to activate the size detector switch.
	3. Check that paper settings are made in accordance with the paper being used. (Jam caused by faulty separation)	Select Original/Paper settings under common settings in the system menu to set media type and weight of paper.
Conveying unit	Check the main unit vertical conveying unit or the front and back parts and right and left parts of the deck's horizontal conveying unit are slightly strained and closed.	To open, first open the right-side conveying unit and close firmly. (Check the position of the safety switch)

Check items	Check description	Corrective measures
Conveying guide, approaching guide, feed-shift guide	1. Check that the foreign objects including scrips, paper clips, etc., do not exist in the paper conveying paths.	If foreign objects such as scrips, etc., remain in the paper conveying path, remove.
	2. Check that the paper conveying guide and the separation needles are not contaminated with toner, paper dusts, etc.	If dirty, clean the guide, ribs (by a cloth), and the separation needles (by a cleaning brush). If the ribs of the conveying guides were broken or deposited with toner, replace.
	3. Check that the paper conveying guide has no bars, deformations, or abrasions; and it is properly mounted without being floated.	Clean the conveying guide or the paper approaching guide. Remove any protrusions including bars. If floated, fix it properly. If deformation or abrasion is observed, replace.
	4. Check that the guide. Check that the guide is smoothly operative when manipulated.	If the guide is inoperative or won't operate smoothly, replace the guide or the unit.
	5. Check that the guide. Perform U033 to check the operation of the solenoid to sight-check or audio-check its action. (see page 1-3-32)	If the guide is inoperative or won't operate smoothly, re-assemble the guide or replace the solenoid or the unit.

Check items	Check description	Corrective measures
Conveying roller, feed roller	1. Check the conveying rollers have no paper dusts, toner, or foreign objects stucked. Check a variation of the external diameter of the roller or abrasion is not observed with the conveying roller.	Clean the conveying rollers or the pulleys. If variation in the external diameter or abrasion is observed, replace.
	2. Turn the cover safety switch on and perform U030 - Motor, U032 - Clutch, and U240 - Finished, check they operate normally. * : At checking the clutch by U032, confirm that the roller won't turn when the motor is turned on. (see page 1-3-29, 1-3-31, 1-3-104)	If the conveying motor or the clutch is inoperative, replace. If stained, replace the clutch. If the clutch is kept turned on due to a tensioned wire, reroute wires.
	3. Check the conveying roller rotates without overloading. Check the axle holder or the roller shaft are not contaminated. Check that the spring has not fallen off and is mounted so that it is properly applying pressure against the rollers or pulleys.	Clean the roller axle or the axle holder. Re-assemble it while checking the pressure of the spring.
Sensor	1. Check if it does not operate with smoothness due to an abnormal move or dropping off of the actuator of the conveying switch.	Re-assemble the actuator or the return spring.
	2. Check that the surface of the sensor and the receptor black felt pieces are not contaminated with toner, paper dusts, etc.	If dirty, clean the sensor or the black felt piece.
	3. Perform U031 - Conveying switch and U241 - Finisher switch to check the sensors are normal without flickering, etc. (see page 1-3-30, 1-3-106)	If U031 has revealed that the sensor is inoperative, replace the switch.

Check items	Check description	Corrective measures
Static	Check if the location is susceptible to build static discharge at the conveying guide during printing.	Re-assemble and re-wire the static discharge sheet at the ejection unit or the metal guide at the transfer unit so that they are properly grounded.

(2) Items and corrective actions relating to the device that will cause paper jam

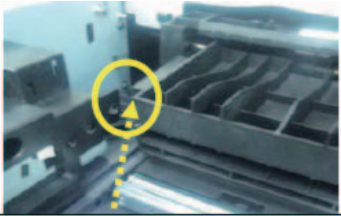
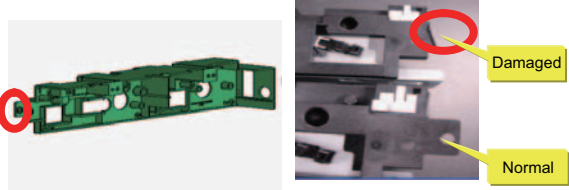
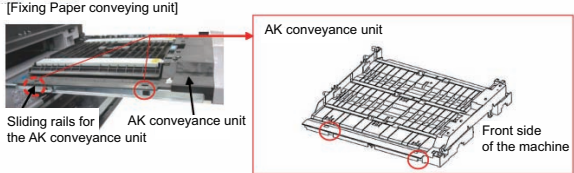
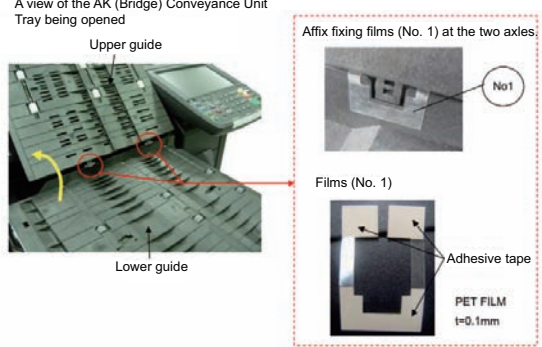
Jam types	Check description	Corrective measures
No-paper-feed jam or the leading edge of paper is curled back at the position of the roller (J0501, J0502, J0503, J0504, J0505, J0506, J0507, J0509, J0523, J0524, J0525, J0526, J0527, J0545)	1. Check if the jammed paper or the printed paper has a tear caused by the roller at its leading edge.	Replace the primary feed roller. (Service life of rubber roller is 150k.) Increase the spring pressure to pinch the separation rollers if the component is undue to its expected life. Replace the spring.
	2. Check abrasion and paper dusts on the feed roller and forward rollers.	Clean the feed roller and the forward roller. Or, if not amended, replace.
	3. Perform U032 to check the forward roller and feed roller are rotating.	If disconnected or or stained, replace the primary feed clutch.
	4. Check if a primary feed roller of a wrong material of rubber is installed.	Distinguished by color: White x 2, black x 1 Check that the feed rollers are installed at (1) Feed Roller (Collar is white.), (2) Retard roller (black), and (3) Pickup Roller (white). 45-ppm/55-ppm devices * : If not, install then at the correct positions.
	5. Check that the conveying force of the pickup roller is sufficient.	Increase the conveying force during paper pickup by increasing the spring load of the pickup roller.
	6. Check the film is sufficiently protruded in front of approaching the feed roller and the nip. (Too wide a gap against the feed roller.)	Amount of protrusion of film in approaching (Gap: 0.2 - 0.5 mm) must be maintained after adjustment.

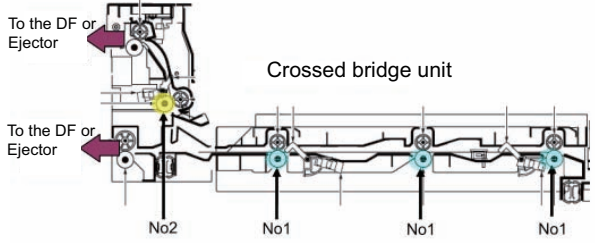

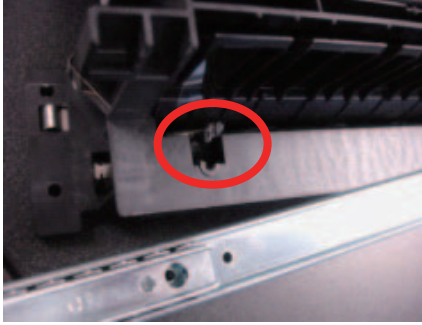
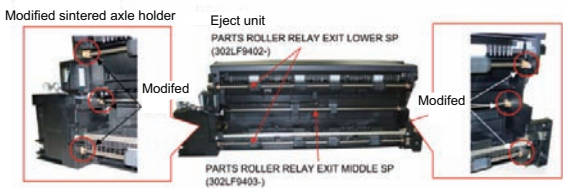
Jam types	Check description	Corrective measures
No-paper-feed jam or the leading edge of paper is curled back at the position of the roller (J0501,J0502, J0503,J0504, J0505, J0506, J0507, J0509, J0523, J0524, J0525, J0526, J0527, J0545)	7. Check the separation roller is not disturbed as a driving component is in contact with the frame during the separation roller is in motion.	If it gets in contact, replace the primary feed unit.
	8. Depress the release lever to release the pressure of the primary feed rollers to check that the retard holder falls.(The pressure by the retard roller to the feed roller is decreased.)	Modify mounting the retard holder fixing plate.

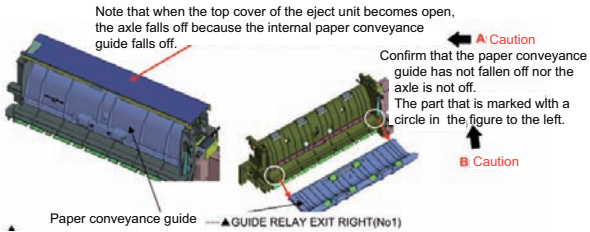
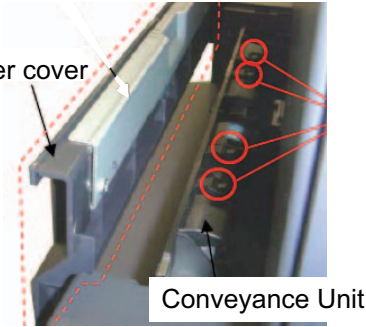
Jam types	Check description	Corrective measures
Multiple-feed Jam (J0511, J0512, J0513, J0514, J0516, J0517, J0519)	1. Check if the cutting edge of the paper bundle is crumpled or the cassette is loaded with multiple times of replenishing paper.	If the cutting edge of the paper bundle is crumpled or the cassette is loaded with multiple times of replenishing paper, load new paper.
	2. Checking paper size. Check that the size of the loaded paper and the paper size chosen on the operator panel are met.	If the paper size does not agree. 1. If the cassette cursors are open against the paper, set it properly. 2. Insert the cassette until the paper size detector switch is turned on. If the size is not detectable while automatic sizing is enabled, replace the size detection switch.
		If the paper size agrees 1. If paper other than complying the requirements such as coated paper, inkjet paper, etc., is used, replace the paper. 2. RE-assemble the pulley retard in the primary feed unit if it is mounted to the opposite direction. 3. Check if the spring retard has not been fallen off of the mounting position. * : If the spring retard is not dropped off of the mount position, decrease the spring pressure that is applied to the separation rollers. 4. Replace the primary feed unit.
	3. Check if paper dusts and abrasion are observed on the paper fanning roller and retard roller.	If the paper fanning roller is dirty, clean. If abrasion is observed, replace.
4. Select the motor by U032 and check the clutch rotates following the other component when the motor is turned on. (see page 1-3-31)	If the clutch rotates following the other component and its stain is observed, replace the clutch.	
Duplex No-original-feed Jam (J0508)/ Duplex Multiple-feed Jam (J0518)	Perform U031 to check if the duplex sensor 2 is detected. (see page 1-3-30)	If the duplex sensor 2 is not working, replace the duplex sensor 2.


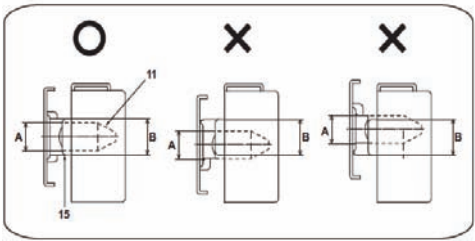
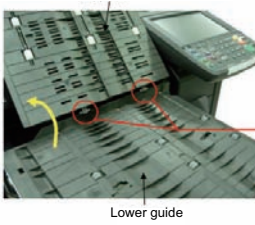
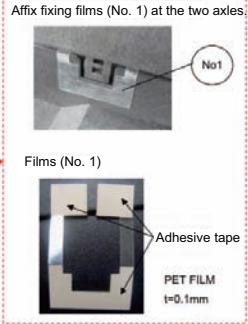
Jam types	Check description	Corrective measures
Intermediate/ conveying sensor stay jam (J1313, J1314, J1513, J1514)	1. Check to see if the actuator is operative without hinderance.	If it won't operate without hinderance, re-assemble or replace the actuator's return spring.
	2. Perform U031 to check the operation of the sensor.	If the sensor is inoperative, replace.
	3. Select the motor by U032 and check if the conveyng clutch rotates following the other component. (see page 1-3-31)	If stained, replace the clutch.Re-assmble the clutch so that it is not continuously energized. (Change of wirings, etc.)
	4. Check if the conveying guide is twisted to be mounted.(If the mounting parts of the guide is floated, the actuator won't protrude sufficiently.)	If the bracket is twisted to be mounted, remove the screw fixing the conveying guide and properly mount the bracket in the right position and fix again.
	5. Check no wrinkles are observed at the sluck of paper during paper feeding.	Adjust the cursors to the size of the paper. * : (If paper is fed askew, perform a skew cancellation adjustment of the width adjuster cursor.) (see page 1-5-110)
Conveyng sensor non arrival jam (J1503/ J1504) SM conveyng sensor 2 stay jam (J3415, J3416, J3417)	1. Check to see if the actuator is operative without hinderance.	Re-assemble or replace the actuator's return spring.
	2. Perform U030 to check the operation of the motor. Check the transmission of the gear drive using U032. * : Check the conveyng roller rotates and is movable in the direction of thrust without hinderance. (see page 1-3-29,1-3-31)	If the roller won't rotate without hinderance, loosen the screws for adjusting the position (at the gear train bracket) to mount the driving gears, and tighten so that a gap between the gears and frame is eliminated.

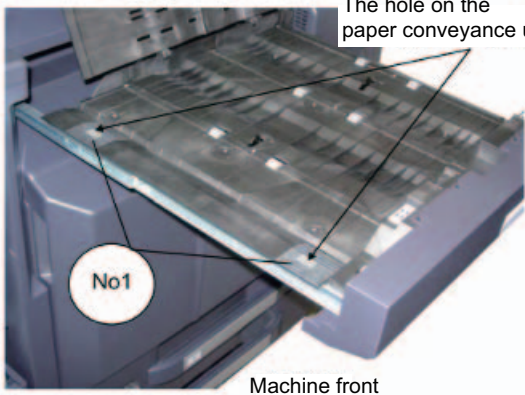
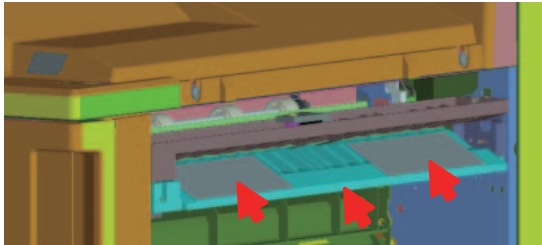
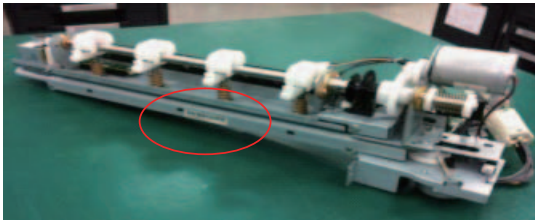
Jam types	Check description	Corrective measures
Loop sensor non arrival jam (J4101, J4102, J4103, J4104, J4105, J4106, J4107)	1. Check no wrinkles are observed at the sluck of paper during paper feeding.	Adjust the cursors to the size of the paper. * : (If paper is fed askew, perform a skew cancellation adjustment of the width adjuster cursor.) (see page 1-5-110)
	2. Check that the paper is entirely loaded inside the cassette without being skewed.	Reload paper.
Fuser eject sensor stay jam (J421X) Ejection-full sensor non arrival jam (J460X) Inversion sensor non arrival jam (J470X)	1. If paper jam occurs at the feedshift guide in the eject unit, check if the guide is operative without hinderance.	If the distance between the housing and the feedshift guide is too small for the guide to move without hinderance, replace the eject unit.
	2. Perform U031 to check if the eject sensor does not show a false detection. (see page 1-3-30)	Replace the defective eject sensor or the eject unit.
Duplex sensors 1 and 2, stuck/ non arrival Jam (J43XX, J44XX)	1. Check that the duplex rollers cause slilage in feeding paper.	Clean or replace the duplex roller in the coveying unit.
	2. Perform U031 to check if the duplex sensors 1 and 2 do not show false detections.	Replace the defective duplex sensors 1 and 2 or the coveying unit.
	3. Check if the second side of plain paper is curled at its tail and slacked in the middle making the switch disguised as no existance of paper.	Replace the paper with new paper. Try feeding paper lengthwise.


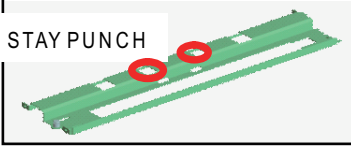
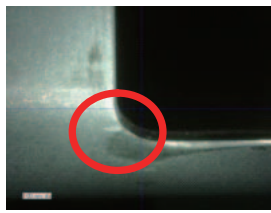

Jam types	Check description	Corrective measures
BR conveying sensor 1/2 unreachable/stay jam (J49XX) Eject sensor non arrival jam (J50XX) Eject sensor stay jam (J51XX) DF paper entry error JAM (J600X)	1. Check the location the bridge relay conveying unit is mounted.	Re-mount.  ▲ Location of mounting the relaying conveyance unit
	2. Check if the positionings of the bridge drive unit is broken.	Replace the bridge drive unit if damaged. 
	3. Check the bridge conveying unit has been properly installed.	Re-mount. 
	4. Check if the upper conveying guide on the bridge conveying unit has fallen off.	Re-mount. 

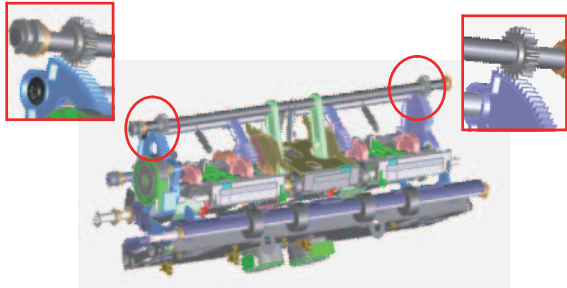
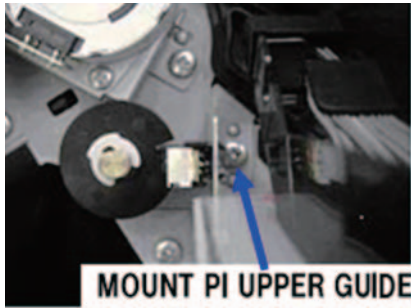
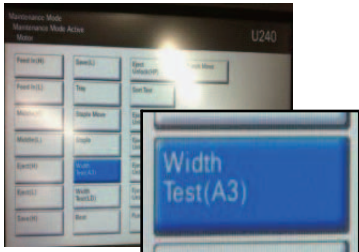
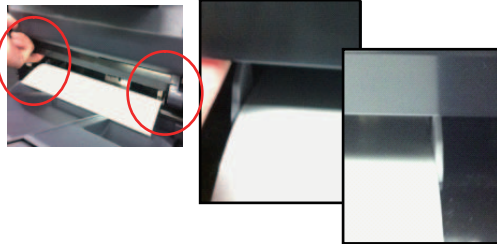
Jam types	Check description	Corrective measures
BR conveying sensor 1/2 unreachable/stay jam (J49XX) Eject sensor non arrival jam (J50XX) Eject sensor stay jam (J51XX) DF paper entry error JAM (J600X)	5. Check contamination of the rollers of the bridge eject unit.	Clean or replace the rollers. 
	6. Check if the fixed hook part of the bridge eject unit is broken.	Replace the eject unit if damaged. 
	7. Check if the rail mountings of the bridge eject unit is broken.	Replace the eject unit if damaged. 
	8. Check contamination or abrasion of the axle holders of the bridge eject unit.	Clean the axle holder or replace with a new axle holder. 

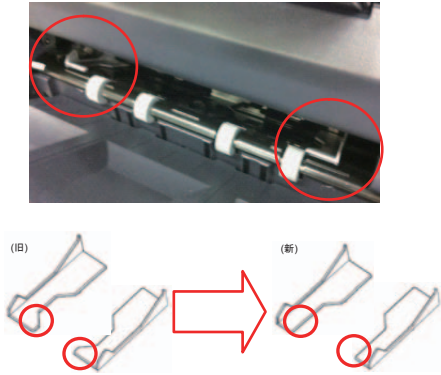

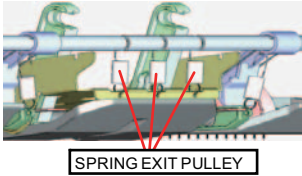
Jam types	Check description	Corrective measures
BR conveying sensor 1/2 unreachable/stay jam (J49XX) Eject sensor non arrival jam (J50XX) Eject sensor stay jam (J51XX) DF paper entry error JAM (J600X)	9. Check if the pivot of the paper conveying guide of the bridge eject unit has fallen off.	Re-mount.  <p>Note that when the top cover of the eject unit becomes open, the axle falls off because the internal paper conveyance guide falls off.</p> <p>▲ Caution</p> <p>Confirm that the paper conveyance guide has not fallen off nor the axle is not off. The part that is marked with a circle in the figure to the left.</p> <p>■ Caution</p> <p>Paper conveyance guide ▲ GUIDE RELAY EXIT RIGHT(No1)</p>
	10. Check if the ribs of the conveying unit of the bridge eject unit have fallen off.	If a rig is broken, replace the conveying guide.  <p>Upper cover</p> <p>Conveyance Unit</p>

Jam types	Check description	Corrective measures
DF conveying sensor unreachable jam (J610X) DF conveying sensor retention jam (J611X)	1. Check the main unit and the DF are vertically flush with each other.	Perform the height adjustment by referring to the installation instructions.  
	2. Check if the upper conveying guide on the BR conveying unit has fallen off. (Fixing an anti-falling part)	Re-mount. (Fixing an anti-falling part)  

Jam types	Check description	Corrective measures
DF conveying sensor unreachable jam (J610X) DF conveying sensor retention jam (J611X)	3. Check if the jammed paper has a dog-ear.	<p>1.If the paper is caught at the hole of the bridge conveying unit and dog-eared and jammed, affix a sheet of film over the hole.</p>  <p>2.If a down-curved sheet is jammed at the DF conveying guide ribs by being dog-eared, replace the DF conveying lower guide.</p> 
	4. Check if dog-ears are caused within the punch unit.	<p>If the edge of paper is caught at the holes of the punch unit, check the punch unit and the firmware version of the DF using U019, and upgrade the firmware of both units altogether.3NK_9A00.003.004 or later, 3NB_9200.004.007 or later, 3NC_9200.004.001 or later</p>
	5. Check if paper is caught at its leading edge to crumple.	<p>If a welding protrusion on the conveying side causes paper to be trapped, try replacing the punch unit.</p> 

Jam types	Check description	Corrective measures
<p>DF conveying sensor unreachable jam (J610X) DF conveying sensor retention jam (J611X)</p>	<p>6. If the paper is stuck in front of the conveying roller and it is not damaged, check if it is jammed because it was trapped at the stay punch.</p> 	<p>Affix sheets of PET film at the Stay Punch in two parts.</p>  
<p>DF intermediate sensor retention jam (J631X) DF main tray ejection retention JAM (J641X) DF eject sensor non arrival jam (J6500) DF eject sensor retention jam (J651X)</p>	<p>1. If there is not the jammed paper which is causing J631, at the paper processing area, check to see if the actuator (DF middle sensor) is operative.</p> 	<p>Re-mount the actuator.</p>

Jam types	Check description	Corrective measures
<p>DF intermediate sensor retention jam (J631X) DF main tray ejection retention JAM (J641X) DF eject sensor non arrival jam (J6500) DF eject sensor retention jam (J651X)</p>	<p>2. Check the range of the up and down movement of the ejection guide. Check if the operating position after feeding in the first sheet is normal. (1)If it moves askew (due to the forward and backward shift of phase on the eject guide) (2)If the range of motion is too small Check if the gap between the ejection roller and the ejection pulleys is approximately 3.5 - 5.5 mm. (Check gaps while making paper still in the intermediate process tray.)</p>	<p>If the gap is not correct, fix balance of the bundle eject unit. If (1): Correct the phase shifting with meshing of the front and back gears. (Turn on U240 - Motor-EjectUnlock (30) to check the balance of the front and back rollers with the bundle eject unit opened. see page 1-3-104)</p>  <p>If (2): Adjust the positioning of or replace the Mount PI upper guide.</p> 
	<p>3. Execute maintenance mode U240 Motor - Width Test A3/LD to adjust the position of the width adjuster cursor of the process tray. Check if the cursor is located at 0 - +0.5 from the edge of is abnormally shifted. (The DF and the main unit paper sources) (see page 1-3-104)</p>	<p>If the width adjuster cursor is wrongly positioned, perform U246 Finisher - Width Front HP/Width Tail HP. (see page 1-3-112)</p>  

Jam types	Check description	Corrective measures
DF intermediate sensor retention jam (J631X) DF main tray ejection retention JAM (J641X) DF eject sensor non arrival jam (J6500) DF eject sensor retention jam (J651X)	4. Check if the dog-eared paper, under-curved paper, or the paper fed in a wrong timing is disturbed at the cursor and causing a sluck jam.	Replace the cursor with a new type. 
	5. Check if a slack jam and stapling problem has occurred while the paper entered the DF process tray due to the down-curl of the paper at duplex printing since the paper approaches the process tray.	If correcting dog-ears or curlings is not possible, apply two seats of film onto the plastic guides to support the paper ends during feeding. 
	6. With stapling at one point with about 65 sheets, check for the failure on the bundle when it is delivered in the shape of an arc. 	1. If a wire from the ejection motor is pinched by other component or a connector is loosely connected, correct. If a loss of synchronism is observed with the ejection motor due to lack of torque, replace the motor. 2. If paper slippage occurs due to the lack of pressure by the ejection rollers, check the pressure rollers (3, at the center) to see if the pressure is insufficient and replace or re-assemble. If a malfunction to encumber the ejection rollers to generate pressure is observed, correct.
	7. With stapling set at 2 points and about 50 sheets, run a test print and check the print bundle delivered for the failure on the direction of ejection and the front and back side, abrupt alignment, and overall alignment.	If the paper is curled, change the direction of loading paper or replace the paper.

Jam types	Check description	Corrective measures
DF intermediate sensor retention jam (J631X) DF main tray ejection retention JAM (J641X) DF eject sensor non arrival jam (J6500) DF eject sensor retention jam (J651X)	8. Check if a floated staple, buckling, or stapling at a wrong position is occurred. 9. Check stapling has been properly done if the paper bundle cannot be ejected causing J-6510. * : 4000-sheets finisher	Configure each of the cassettes for the weight of the paper loaded. Replace the paper. Adjust the stapling home position by U246 - Staple HP. (see page 1-3-112) Provide instructions with the following points emphasized. <ol style="list-style-type: none"> 1. Tap the paper to align its ends and load all the way into the cassette. 2. After settings, let go off of the paper.?(Allows automatic ejection after stapling.) 3. Do not remove paper before the paper bundle is ejected once it is stapled.
DF drum sensor non arrival jam (J6600)	Paper is jammed with its leading edge caught by the diversion solenoid 1 in the middle of conveying paths.	Check the axle of the diverting solenoid is inserted all the way into the lever of the DF diverting solenoid 1, and insert the lever firmly if it is not.
DF drum sensor stay jam (J6610)	<ol style="list-style-type: none"> 1. Check if the size and orientation of the original document and the paper used match. 2. Check to see if the actuator (DF drum sensor) is operative without hinderance. 	If not agreed, load the paper bundle in the size and orientation configured for the cassette or the manual feed tray. If the return spring has been fallen off of the fixing position, fix it properly. If the actuator won't operate smoothly, replace.
Center-folding unit conveying stay JAM (J6710) Center-folding unit conveying stay JAM (J7710)	If paper is jammed before reaching the center-folding unit, check that the drive train gears are in mesh.	If the drive transmission gears are not in mesh, replace the pivot pin of the CF lock lever and the DF fixing pin.

(3) Paper jam at feeding from cassette 1**Electrical parts that could cause paper jam during paper travelling at the primary feeding (to regist roller)**

Timing of detection

Jam code
J0501,J0511,J1301,J1311,J4001,J4011

Measures

Related parts	
Paper feed motor(PFM)	Registration sensor (RS)
Paper feed clutch 1(PFCL1)	Engine PWB (EPWB)
Assist clutch 1 (ACSL1)	Feed PWB 2 (FPWB2)
Middle motor (MM)	Feed PWB 1 (FPWB1)
Registration motor (RM)	
Feed sensor 1 (FS1)	
Middle sensor (MS)	

Checking procedure at the occurrence of J0501	Corrective action at the occurrence of J0501	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Feed sensor 1 (FS1): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 2 YC8-11
3	Paper feed clutch (PFCL1): Operation check (U032)	Feed PWB 2 YC4-1
4	Paper feed motor: Operation check (U030)	Feed PWB 2 YC2-3(RDY),1(REM)
5	Feed PWB 2: Replace	
6	Engine PWB : Replace	

Checking procedure at the occurrence of J13X1	Corrective action at the occurrence of J13X1	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Middle sensor (MS): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 2 YC8-9
3	Assist clutch 1 (ACSL1): Operation check (U032)	Feed PWB 2 YC10-1
4	Middle motor (MM): Operation check (U030)	Feed PWB 2 YC7-1 to 4
5	Feed PWB 2: Replace	
6	Engine PWB: Replace	

Checking procedure at the occurrence of J40X1	Corrective action at the occurrence of J40X1	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Registration sensor (RS): Conduct connectivity check, mounting location check, operation check (U031) and U051 - Slack Margin Settings.	Feed PWB 2 YC7-12
3	Registration motor (RM): Operation check (U030)	Feed PWB 1 YC25-1 to 4
4	Feed PWB 1: Replace	
5	Engine PWB: Replace	

(4) Paper jam at feeding from cassette 2**Electrical parts that could cause paper jam during paper travelling at the primary feeding (to regist roller)**

Timing of detection

Jam code
J0502,J0512,J1302,J1312,J1502,J1512,J4002,J4012

Corrective Action

Related parts	
Paper feed motor (PFM)	Engine PWB (EPWB)
Paper feed clutch 2 (PFCL2)	Feed PWB 2 (FPWB2)
Assist clutch 2 (ACSL2)	Feed PWB 1 (FPWB1)
Middle motor (MM)	
Registration motor (RM)	
Vertical conveying clutch (PCCL)	
Feed sensor 2 (FS2)	
Paper conveying sensor (PCS)	
Middle sensor (MS)	
Registration sensor (RS)	

Checking procedure at the occurrence of J05X2	Corrective action at the occurrence of J05X2	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Feed sensor 1 (FS1): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 2 YC8-23
3	Paper feed clutch (PFCL1): Operation check (U032)	Feed PWB 2 YC4-1
4	Paper feed motor: Operation check (U030)	Feed PWB 2 YC2-3(RDY), 5(REM)
5	Feed PWB 2: Replace	
6	Engine PWB: Replace	

Checking procedure at the occurrence of J13X2	Corrective action at the occurrence of J13X2	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Middle sensor (MS): Conduct connectivity check, mounting location, check operation check (U031)	Feed PWB 2 YC8-9
3	Vertical conveying clutch (PCCL): Operation check (U032)	Feed PWB 2 YC5-3
4	Middle motor (MM): Operation check (U030)	Feed PWB 2 YC7-1 to 4
5	Feed PWB 2: Replace	
6	Engine PWB: Replace	

Checking procedure at the occurrence of J15X2	Corrective action at the occurrence of J15X2	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Conveying sensor (PCS) I/O check and sensor check (U031)	Feed PWB 2 YC6-3
3	Vertical conveying clutch (PCCL): Operation check (U032)	Feed PWB 2 YC5-3
4	Assist clutch 2 (ACSL2): Operation check (U032)	Feed PWB 2 YC12-1
5	Feed PWB 2: Replace	
6	Engine PWB: Replace	

Checking procedure at the occurrence of J40X2	Corrective action at the occurrence of J40X2	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Registration sensor (RS): Conduct connectivity check, mounting location check, operation check U031 and U051 - Slack Margin Settings.	Feed PWB 2 YC7-12
3	Registration motor (RM): Operation check (U030)	Feed PWB 1 YC25-1 to 4

Checking procedure at the occurrence of J40X2	Corrective action at the occurrence of J40X2	On/Off control signal output connector (terminal), point of checking connection
4	Feed PWB 1: Replace	
5	Engine PWB: Replace	

(5) Paper jam during manual feeding

Electrical parts that could cause paper jam during paper travelling at the primary feeding (to regist roller)

Timing of detection

Jam code
J0131,J0509,J0519,J4009,J4019

Corrective Action

Related parts	
Paper feed motor (PFM)	Engine PWB (EPWB)
Manual feed clutch (MPPFCL)	Feed PWB 1 (FPWB1)
Middle motor (MM)	Relay PWB (RYPWB) * : In paper conveying unit
Registration motor (RM)	
MP feed sensor (MPFS)	
Registration sensor (RS)	
Manual feed lift motor (MPLM)	
MP lift sensor 1 (MPLS1)	
MP lift sensor 2 (MPLS2)	

Checking procedure at the occurrence of J05X9	Corrective action at the occurrence of J05X9	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	MP feed sensor (MPFS): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 1 YC17-9
3	Manual feed conveying clutch (CL): Operation check (U032)	Feed PWB 2 YC4-1
4	Middle motor (MM): Operation check (U030)	Feed PWB 2 YC7-1 to 4
5	Feed PWB 2: Replace	
6	Engine PWB: Replace	

Checking procedure at the occurrence of J40X9	Corrective action at the occurrence of J40X9	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Registration sensor (RS): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 2 YC7-12
3	Registration motor (RM): Operation check (U030)	Feed PWB 1 YC25-1 to 4
4	Feed PWB 1: Replace	
5	Engine PWB: Replace	

Checking procedure at the occurrence of J0131	Corrective action at the occurrence of J0131	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Manual feed lift base elevation check: 1. Up-and-down movability of the paper lift base of the manual feed tray. 2. Check if the lift lever is in contact with the lift motor cam (re-mount the manual feed table).	-

Checking procedure at the occurrence of J0131	Corrective action at the occurrence of J0131	On/Off control signal output connector (terminal), point of checking connection
3	MP lift sensors 1 and 2: Check for connection and the position of the sensor to be mounted.	Relay PWB (YC3-5, YC3-8) (YC12)
4	MP lift motor: Check if the paper lift base is raised as the motor rotates.	Relay PWB(YC3-11), (YC12)
5	Feed PWB 1: Replace	Feed PWB 1(YC17),(YC1)
6	Engine PWB: Replace	Engine PWB (YC6)

(6) Paper jam at the duplex re-feeding part**Electrical parts that could cause paper jam during paper travelling at the primary feeding (to regist roller)**

Timing of detection

Jam code
J0508,J0518

Corrective Action

Related parts	
Duplex motor 2 (DUM2)	Engine PWB (EPWB)
Duplex sensor 2 (DUS2)	Feed PWB 1 (FPWB1)

Checking procedure at the occurrence of J05X8	Corrective action at the occurrence of J05X8	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Duplex sensor 2 (DUS2): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 1 YC 14-5
3	Duplex motor 2 (DUM2): Operation check (U030)	Feed PWB 1 YC14-14 to 17
5	Feed PWB 1: Replace	
6	Engine PWB: Replace	

(7) Electrical parts that could cause paper jam at the transfer part

Timing of detection

Jam code
J410x,J411x

Corrective Action

Related parts	
Transfer belt drive	Engine PWB (EPWB)
Registration motor (RM)	Feed PWB 1 (FPWB1)
Loop sensor (LPS)	Relay PWB (RYPWB) * : In paper conveying unit

Checking procedure at the occurrence of J41XX	Corrective action at the occurrence of J41XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Loop sensor (LPS): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 1 YC23-11
3	Registration motor (RM): Operation check (U030)	Feed PWB 1 YC25-1 to 4
4	Check that the drive from the transfer belt unit.	
5	Check how the conveying unit and the main unit drawer are connected (such as a fallen pin) and, if they are normal, replace the relay PWB.	
6	Feed PWB 1: Replace	
7	Engine PWB: Replace	

(8) Electrical parts that could cause paper jam at the fuser and eject part

Timing of detection

Jam code
J420x,J421x,J460x,J461x,J470x,J471x

Corrective Action

Related parts	
Fuser motor (FUM)	Engine PWB (EPWB)
Eject motor (EM)	Front PWB (FRPWB)
Feedshift solenoid (FSSOL)	
Fuser eject sensor (FUES)	
Eject full sensor (EFS)	
Switchback sensor (SBS)	
JS eject motor (JSEM) * : The job separator is installed.	

Checking procedure at the occurrence of J42XX	Corrective action at the occurrence of J42XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Fuser eject sensor (FUES): Conduct connectivity check, mounting location check, operation check (U031)	Engine PWB YC26-A13
3	feedshift solenoid (FSSOL): feedshift guide check (U033)	Front PWB YC5-19
4	Fuser motor (FUM): Operation check (U030)	Feed PWB 1 YC18-3(RDY), 5(REM)
5	Engine PWB : Replace	

Checking procedure at the occurrence of J46XX	Corrective action at the occurrence of J46XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Eject full sensor (EFS): Conduct connectivity check, mounting location check, operation check (U031)	Front PWB YC5-16
3	feedshift solenoid (FSSOL): feedshift guide check (U033)	Front PWB YC5-19
4	Eject motor (EM): Operation check (U030)	Front PWB YC5-8 to 11
5	Front PWB (FRPWB): Replace	
6	Engine PWB : Replace	

Checking procedure at the occurrence of J47XX	Corrective action at the occurrence of J47XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Switchback sensor (SBS): Conduct connectivity check, mounting location check, operation check (U031)	Front PWB YC5-13
3	feedshift solenoid (FSSOL): feedshift guide check (U033)	Front PWB YC5-19
4	Job separator eject motor (JSEM): Operational check (U030)	JS main circuit PWB: YC2-4, 5, 6, 7, YC-1 Feed PWB 1: YC20
5	Engine PWB : Replace	Engine PWB: YC7 Front PWB: YC3

(9) Electrical parts that could cause paper jam at the duplex part

Timing of detection

Jam code
J430x,J431x,J440x,J441x

Corrective Action

Related parts	
Duplex motor 1 (DUM1)	Engine PWB (EPWB)
Duplex motor 2 (DUM2)	Relay PWB (RYPWB) * : In paper conveying unit
Duplex sensor 1 (DUS1)	Relay PWB (RYPWB)
Duplex sensor 2 (DUS2)	Feed PWB 1 (FPWB1) J440X

Checking procedure at the occurrence of J43XX	Corrective action at the occurrence of J43XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Duplex sensor 1 (DUS1): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 1 YC23-1
3	Duplex motor 1 (DUM1): Operation check (U030)	Feed PWB 1 YC23-6 to 9
4	Check how the conveying unit and the main unit drawer are connected and, if they are normal, replace the feed circuit PWB1.	
5	Feed PWB 1(FPWB1): replace	
6	Engine PWB: Replace	
7	Relay PWB (RYPWB): Replace	

Checking procedure at the occurrence of J44XX	Corrective action at the occurrence of J44XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	Duplex sensor 2 (DUS2): Conduct connectivity check, mounting location check, operation check (U031)	Feed PWB 1 YC14-5
3	Duplex motor 2 (DUM2): Operation check (U030)	Feed PWB 1 YC14-14 to 17
4	Check how the conveying unit and the main unit drawer are connected and, if they are normal, replace the feed circuit PWB1.	
5	Feed PWB 1(FPWB1): replace	
6	Engine PWB: Replace	
7	Relay PWB (RYPWB): Replace	

(10) Electrical parts that could cause paper jam at the BR (bridge) part

Timing of detection

Jam code
J490x,J491x,J500x,J501x,J510x,J511x

Corrective Action

Related parts	
BR conveying motor 1 (BRCM1)	BR feedshift solenoid (BRSOL)
BR conveying motor 2 (BRCM2)	Engine PWB (EPWB)
BR conveying sensor 1 (BRCS1)	BR PWB (BRPWB)
BR conveying sensor 2 (BRCS2)	
BR eject sensor (BRES)	

Checking procedure at the occurrence of J49XX	Corrective action at the occurrence of J49XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	BR conveying sensor 1 (BRCS1): Conduct connectivity check, mounting location check, operation check (U031)	BR PWB YC6-2
3	BR conveying motor 1 (BRCM1): Operation check (U030)	BR PWB YC7-1 to 4
4	BR PWB (BRPWB): Replace	
5	Engine PWB: Replace	

Checking procedure at the occurrence of J50XX	Corrective action at the occurrence of J50XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	BR conveying sensor 2 (BRCS2): Conduct connectivity check, mounting location check, operation check (U031)	BR PWB YC4-2
3	BR conveying motor 2 (BRCM2): Operation check (U030)	BR PWB YC7-5 to 8
4	BR PWB (BRPWB): Replace	
5	Engine PWB: Replace	

Checking procedure at the occurrence of J51XX	Corrective action at the occurrence of J51XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	BR eject sensor (BRES): Conduct connectivity check, mounting location check, operation check (U031)	Engine PWB YC20-17
3	BR feedshift solenoid (BRSOL): Check for switching feedshift guide (U033)	Engine PWB YC20-17
4	BR PWB (BRPWB): Replace	
5	Engine PWB: Replace	

(11) Electrical parts that could cause paper jam at the DF paper entry, feedshift and subtray left eject part

Timing of detection

Jam code
J610x,J611x,J620x,J621x,J630x,J631x

Corrective Action

Related parts	
DF paper entry motor (DFPEM)	DF feedshift solenoid 3 (DFSSOL)
DF middle motor (DFMM)	DP main PWB (DFMPWB)
DF eject motor (DFEM)	
BR conveying motor 1 (BRCM1)	
BR conveying motor 2 (BRCM2)	
DF paper entry sensor (DFPES)	
DF middle sensor (DFMES)	
DF sub eject sensor (DFSES)	

Checking procedure at the occurrence of J61XX	Corrective action at the occurrence of J61XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF paper entry sensor (DFPES): Conduct connectivity check, mounting location check, operation check (U241:Finisher HP)	DF main PWB YC21-9
3	DF feedshift solenoid 3 (DFSSOL): Check to see the feedshift guide 3 is switchable (U240: Solenoid - Sub tray)	DF main PWB YC18-12,13
4	DF paper entry motor (DFPEM): Operation check (U240: Motor → Feed In (H), Feed In (L))	DF main PWB YC12-13 to 16
5	BR conveying motor 1 (BRCM1), BR conveying motor 2 (BRCM2): Operation check (U030: Bridge1, Bridge2)	
6	DF main PWB(DFMPWB): Replace	

Checking procedure at the occurrence of J62XX	Corrective action at the occurrence of J62XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF sub eject sensor (DFSES): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC21-3
3	DF feedshift solenoid 3 (DFSSOL): Check to see the feedshift guide 3 is switchable (U240)	DF main PWB YC18-12,13
4	DF paper entry motor (DFPEM): Operation check (U240)	DF main PWB YC12-13 to 16
5	DF eject motor (DFEM): Operation check (U240)	DF main PWB YC12-5 to 8
6	DF main PWB (DFMPWB): Replace	

Checking procedure at the occurrence of J63XX	Corrective action at the occurrence of J63XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF middle sensor (DFMES): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC20-6
3	DF feedshift solenoid 3 (DFSSOL): Check to see the feedshift guide 3 is switchable (U240)	DF main PWB YC18-12,13
4	DF paper entry motor (DFPEM): Operation check (U240)	DF main PWB YC12-13 to 16
5	DF middle motor (DFMM): Operation check (U240)	DF main PWB YC10-5 to 8
6	DF main PWB(DFMPWB): Replace	

(12) Electrical parts that could cause paper jam at the DF process part

Timing of detection

Jam code
J6500,J651x,J6600,J6610

Corrective Action

Related parts	
DF middle motor (DFMM)	DF feedshift solenoid 1 (DFDRSOL)
DF drum motor (DFDRM)	DF main PWB(DFMPWB)
DF middle sensor (DFMES)	
DF eject paper sensor (DFMTS)	
DF drum sensor (DFDRS)	

Checking procedure at the occurrence of J65XX	Corrective action at the occurrence of J65XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF middle sensor (DFMES): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC20-6
3	DF eject paper sensor (DFMTS) : Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC22-27
4	DF middle motor (DFMM): Operation check (U240)	DF main PWB YC12-9 to 12
5	DF main PWB(DFMPWB): Replace	

Checking procedure at the occurrence of J66XX	Corrective action at the occurrence of J66XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF drum sensor (DFDRS): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC20-3
3	DF feedshift solenoid 1 (DFDRSOL): Check to see the feedshift guide 1 is switchable (U240)	DF main PWB YC18-12,13

Checking procedure at the occurrence of J66XX	Corrective action at the occurrence of J66XX	On/Off control signal output connector (terminal), point of checking connection
4	DF drum motor (DFDRM): Operation check (U240)	DF main PWB YC18-1 to 4
5	DF main PWB(DFMPWB): Replace	

(13) Electrical parts that could cause paper jam at the DF eject tray part

Timing of detection

Jam code
J640x,J641x

Corrective Action

Related parts	
DF eject motor (DFEM)	DF main PWB(DFMPWB)
DF tray motor (DFTM)	
DF middle sensor (DFMES)	
DF tray upper sensor 1 and 2 (DFTUSS 1,2)	

Checking procedure at the occurrence of J64XX	Corrective action at the occurrence of J64XX	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF middle sensor (DFMES): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC20-6
3	DF tray upper sensor 1 and 2 (DFTUSS1, 2): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC21-19(DFTUSS1), YC13-3(DFTUSS2)
4	DF eject motor (DFEM): Operational check (U240)	DF main PWB YC12-5 to 8
5	DF tray motor (DFTM): Operation check (U240)	DF main PWB YC19-4
6	DF main PWB(DFMPWB): Replace	

(14) Electrical parts that could cause paper jam at the CF conveying part

Timing of detection

Jam code
J6710,J7700,J7710

Corrective Action

Related parts	
DF drum motor (DFDRM)	DF main PWB(DFMPWB)
CF paper entry motor (CFPEM)	CF PWB (CFPWB)
DF drum sensor (DFDRS)	
CF conveying sensor (CFPCS)	

Checking procedure at the occurrence of J671X	Corrective action at the occurrence of J671X	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	DF drum sensor (DFDRS): Conduct connectivity check, mounting location check, operation check (U241)	DF main PWB YC20-3
3	DF drum motor (DFDRM): Operation check (U240)	DF main PWB YC18-1 to 4
4	CF paper entry motor (CFPEM): Check if the gears can chain the drive.	CF PWB YC18-1 to 4
5	DF main PWB(DFMPWB): Replace	
6	CF PWB (CFPWB): Replace	

Checking procedure at the occurrence of J77X0	Corrective action at the occurrence of J77X0	On/Off control signal output connector (terminal), point of checking connection
1	Items for Initial Checks	see page 1-4-25
2	CF conveying sensor (CFPCS): Conduct connectivity check, mounting location check, operation check (U241)	CF PWB YC20-15
3	CF paper entry motor (CFPEM): Check if the gears can chain the drive.	CF PWB YC18-1 to 4
4	DF main PWB(DFMPWB): Replace	
5	CF PWB (CFPWB): Replace	

1-4-3 Self-diagnostic function

(1) Self-diagnostic function

This machine is equipped with self-diagnostic function. When a problem is detected, the machine stops printing and display an error message on the operation panel. An error message consists of a message prompting a contact to service personnel and a four-digit error code indicating the type of the error.

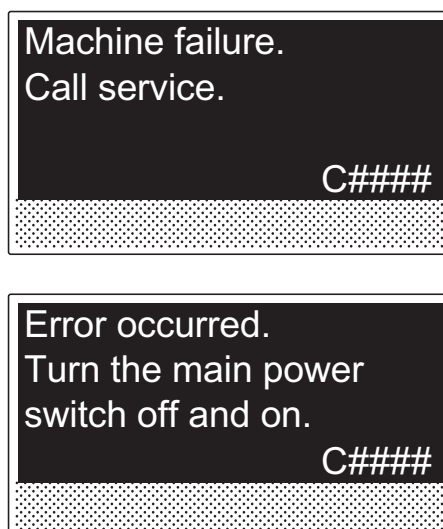


Figure 1-4-3

(2) Self diagnostic codes

If the part causing the problem was not supplied, use the unit including the part for replacement

Caution:

Before attempting to check the power supply, fuser unit, and the IH controller PWB, be sure to turn the power switch off and unplug the machine from power. Allow at least 5 seconds before starting to conduct service until the capacitors on the circuit boards have been completely discharged.

To reset a service call for fuser, performing U163 Fuser Defects is required. (See page 1-3-90)

To reset a service call regarding the Maintenance T display and the DP, performing U906 Disconnection at Defect is required. (See page 1-3-169)

Code	Contents	Related parts	Check procedures/ corrective measures
0030	FAX control PWB system error Processing with the fax software was disabled due to a software problem.	FAX control PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, re-mount the FAX controller PWB, then turn power on. 2. Reinstall the fax software. 3. Replace the FAX control PWB.
0060	Engine PWB mismatch Unmatching engine and engine sub boards. Defective engine subboard	Engine PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Replace the engine PWB (see page 1-5-57).
0070	FAX control PWB incompatible detection error Abnormal detection of FAX control PWB incompatibility In the initial communication with the FAX control PWB, any normal communication command is not transmitted.	FAX control PWB (The FAX PWB installed will not be the one designed for the machine.)	<ol style="list-style-type: none"> 1. Install the FAX system designed for the model. 2. Reinstall the fax software.
0100	Backup memory device error	EEPROM(main PWB)	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the EEPROM on the main circuit PWB is properly installed on the main circuit PWB and, if not, re-install it. 3. Replace the main PWB (see page 1-5-51).
0120	MAC address data error For data in which the MAC address is invalid.	EEPROM(main PWB)	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check the MAC address on the network status page. 3. If it is blank, obtain an EEPROM with its MAC address written from the service support and install. 4. Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
0150	<p>Backup memory read/write error (engine PWB) No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated 5 times successively. Mismatch of reading data from 2 locations occurs 8 times successively. Mismatch between writing data and reading data occurs 8 times successively.</p>	EEPROM (engine PWB)	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the EEPROM is properly installed on the engine PWB and re-install it. 3. Replace the engine PWB (see page 1-5-57). 4. Check the EEPROM and if the data are corrupted, contact the service support.
0160	<p>Backup memory data error (engine PWB) Reading data from EEPROM is abnormal.</p>	EEPROM	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Execute U021 - memory initializing.(see page 1-3-27) 3. If the EEPROM data are corrupted, contact the service support.
0170	<p>Billing counting error The values on the main circuit PWB and on the engine do not match for any of charging counter, life counter, and scanner counter.</p>	EEPROM	<ol style="list-style-type: none"> 1. Check that the EEPROMs installed in the main PWB and the engine PWB are correct and, if not, use the correct EEPROM for the model. 2. If the EEPROM data are corrupted, contact the service support.
		Main PWB	Replace the main PWB (see page 1-5-51).
		Engine PWB	Replace the engine PWB (see page 1-5-57).
0180	<p>Machine number mismatch Machine number of main and engine does not match.</p>	Data damage of EEPROM.	<ol style="list-style-type: none"> 1. Confirm the machine data for the main and engine units by using U004 (see page 1-3-23). 2. If the serial number data of different models is alternately displayed, install the correct EEPROM in the PWB of the wrong serial number data. 3. Contact the Service Support.
0620	<p>FAX image DIMM error 1. The Fax image DIMM has not been installed. 2. Fax image DIMM access error.</p>	FAX image DIMM	<ol style="list-style-type: none"> 1. Install the FAX image DIMM supplied in the FAX system onto the main PWB. 2. Firmly install the FAX image DIMM again onto the main board. 3. Check the FAX image DIMM terminals and remove any foreign objects that may be adhered to it. 4. Replace with a new FAX image DIMM.
		Main PWB.	Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
0630	DMA error DMA transmission of image data does not complete within the specified period of time.	DP CIS	<ol style="list-style-type: none"> 1. Reconnect the CIS signal line. 2. Confirm that the CIS connector terminals are firmly connected. Insert the connector all the way in. 3. If the wiring is disconnected, shorted or grounded, replace the wiring.
		DP main PWB Main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. If the wiring is disconnected, shorted or grounded, replace the wiring. Wiring that connects the CIS and the DP controller PWB. Wiring that connects the DP main PWB and the main PWB. 3. Replace the DP main PWB. 4. Replace the main PWB (see page 1-5-51).
0640	Hard disk error The hard disk cannot be accessed.	HDD	<ol style="list-style-type: none"> 1. If an abnormal noise is heard from the HDD, replace the HDD. 2. Check the SATA wiring between the HDD and the main circuit PWB for loose connection, disconnection and damages, and that it is connected into the correct terminal. Main PWB: YC1,YC27 3. Replace the SATA cable. 4. Execute U024 to initialize (FULL) the HDD (see page 1-3-28). 5. If an error is detected after executing U024, replace the HDD.
		Main PWB	Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
0650	FAX image DIMM check error A fax image DIMM which was used with another machine is installed.	FAX DIMM.	1. Confirm that a used FAX image DIMM was used instead of the FAX image DIMM contained in the FAX system. 2. If a DIMM that was used with other unit has been installed, execute maintenance mode U671 - Recovery FAX DIMM. 3. Check whether the Fax DIMM is properly inserted into the socket on the main PWB. 4. Replace with a new FAX image DIMM.
		Main PWB	Replace the main PWB (see page 1-5-51).
0800	Image processing error JAM010X is detected twice.	Main PWB	Replace the main PWB (see page 1-5-51).
0830	FAX control PWB flash program area checksum error A checksum error occurred with the program of the FAX control PWB.	FAX software	1. Reinstall the fax software.
		FAX control PWB	1. Execute initializing by U600.(Refer to the FAX service manual) 2. Replace the FAX control PWB.
0840	Faults of RTC (Maintenance T is displayed) The time is judged to go back based on the comparison of the RTC time and the current time or five years or more have passed. After C840 is detected, the machine enters in disconnection mode after the main power switch has been switched on and off and indicates 'Maintenance T.'	Battery (main PWB)	1. Make sure that the back-up batteries on the main PWB are not short-circuited. 2. Reset Maintenance T by executing U906 (see page 1-3-169). 3. If the same C call is displayed when power is switched on and off, replace the back up battery. 4. If communication error (due to a noise, etc.) is present with the RTC on the main circuit PWB, check the PWB is properly grounded.
		Main PWB	Replace the main PWB (see page 1-5-51).
0870	PCFAX control PWB to main PWB high capacity data transfer error High-capacity data transfer between the FAX control PWB and the main PWB of the machine was not normally performed even if the data transfer was retried the specified times.	FAX control PWB	1. Turn the main power switch off and after 5 seconds, re-mount the FAX controller PWB, then turn power on. 2. Replace the FAX control PWB.
		HDD	Execute U024 to initialize the HDD (see page 1-3-28).
		Main PWB	Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
0920	Fax file system error The backup data is not retained for file system abnormality of flash memory of the FAX control PWB.	FAX control PWB	1. Execute initializing by U600 (Refer to the FAX service manual). 2. Replace the FAX control PWB.
0970	12 V power down detect Detection of the temporary blackout during sleeping (24V is off, 23V is on, only the controller software is running)	Power source PWB	1. Check the +12V output is given at YC14 of the power source PWB. 2. Replace the power source PWB (see page 1-5-59).
0980	24 V power down detect If a 24V power disconnection signal is observed and a 12V power disconnection signal is observed simultaneously for one second.	Power source PWB	1. Check the +24V output is given at YC9 (30/35 ppm) or YC12 (45/55 ppm) of the power circuit PWB. 2. Replace the power source PWB (see page 1-5-59)

Code	Contents	Related parts	Check procedures/ corrective measures
1000	MP lift motor error If the MP lift sensor 1 (upper limit detect) or 2 (bottom detect) is not detectable to be turned on while the MP lift motor is ascending or descending.	Manual feed lift base elevating mechanism	<ol style="list-style-type: none"> 1. Check that the paper lift base of the manual feed tray can smoothly ascend and descent, if not, repair or replace. 2. Check that the lift lever is located so that it can ascend or descend by the lift motor cam and that it not damaged and, if necessary, re-install or replace the manual feed table.
		MP lift motor	<ol style="list-style-type: none"> 1. Check that the paper elevator has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MP lift motor and Relay PWB (YC3) Relay PWB (YC12) and Feed PWB1 (YC17) Feed PWB1 (YC1) and Engine PWB (YC6) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the MP lift motor.
		MP lift sensor1 MP lift sensor2	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MP lift sensor1,2 and Relay PWB (YC3) Relay PWB (YC12) and Feed PWB1(YC17) Feed PWB1 (YC1) and Engine PWB (YC6) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the MP lift sensor1 or MP lift sensor2.
		Feed PWB 2	Replace the Feed PWB 2.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
1010	Lift motor 1 error After cassette 1 is inserted, lift sensor 1 does not turn on within 12 s. This error is detected 5 times successively. The lock signal of the motor is detected continuously for 1 s. This error is detected 5 times successively.	Cassette lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		Lift motor 1	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Lift motor 1 and Feed PWB 2 (YC3) Feed PWB 2 (YC1) and Engine PWB (YC4) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the lift motor 1.
		Lift sensor 1	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Lift sensor 1 and Feed PWB 2 (YC8) Feed PWB 2 (YC1) and Engine PWB (YC4) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the lift sensor1.
		Feed PWB 2	Replace the Feed PWB 2.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
1020	Lift motor 2 error After cassette 2 is inserted, lift sensor 2 does not turn on within 12 s. This error is detected 4 times successively. The lock signal of the motor is detected continuously for 1 s. This error is detected 4 times successively.	Cassette lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		Lift motor 2	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Lift motor 2 and Feed PWB 2 (YC3) Feed PWB 2 (YC1) and Engine PWB (YC4) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the lift motor 2.
		Lift sensor 2	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Lift sensor 2 and Feed PWB 2 (YC8) Feed PWB 2 (YC1) and Engine PWB (YC4) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the lift sensor2.
		Feed PWB 2	Replace the Feed PWB 2.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
1050	<p>SM lift motor error (side multi tray) After cassette 5 is inserted, SM lift sensor does not turn on within 12 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 1 s or more 5 times successively. However, the first 1 s after motor is turned on is excluded from detection.</p>	Cassette lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		SM Lift motor	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM Lift motor and SM main PWB (YC5) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the SM Lift motor.
		SM Lift sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM Lift sensor and SM main PWB (YC7) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the SM Lift sensor.
		SM main PWB	Replace the SM main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1060	<p>PF lift motor 1 error (side paper feeder) After cassette 6 is inserted, PF lift sensor 1 does not turn on within 12 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 1 s or more 5 times successively. However, the first 1 s after motor is turned on is excluded from detection. *:The lift over-current protection monitor signal has been detected for 200ms or longer where LFC is installed.</p>	Cassette lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor 1	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 1 and PF main PWB (YC7) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the lift motor 1.
		PF Lift sensor 1	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor1 and PF main PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the lift sensor 1.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1070	<p>PF lift motor 2 error (side paper feeder) After cassette 7 is inserted, PF lift sensor 2 does not turn on within 12 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 1 s or more 5 times successively. However, the first 1 s after motor is turned on is excluded from detection. *:The lift over-current protection monitor signal has been detected for 200ms or longer where LFC is installed.</p>	Cassette lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor2	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 2 and PF main PWB (YC7) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF Lift motor2.
		PF Lift sensor2	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor 2 and PF main PWB (YC4) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. PFReplace the lift sensor2.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1100	<p>PF lift motor 1 error (large capacity feeder) After cassette 3 is inserted, PF lift sensor 1 does not turn on within 23 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 200 ms or more 5 times successively. However, the first 1 s after PF lift motor 1 is turned on is excluded from detection.</p>	Paper feeder lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor1	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 1 and PF main PWB (YC7) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF lift motor1.
		PF Lift sensor1	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor 1 and PF main PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the PF lift sensor1.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1110	<p>PF lift motor 2 error (large capacity feeder) After cassette 4 is inserted, PF lift sensor 2 does not turn on within 23 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 200 ms or more 5 times successively. However, the first 1 s after PF lift motor 2 is turned on is excluded from detection.</p>	Paper feeder lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor 2	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 2 and PF main PWB (YC7) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF Lift motor2.
		PF Lift sensor2	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor 2 and PF main PWB (YC4) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the PF Lift sensor 2.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1140 SD lift motor error (side deck) After cassette 5 is inserted, SD lift sensor does not turn on within 30 s. The lock signal of the motor is detected continuously for 200 ms.		Paper feeder lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		SD Lift motor	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SD Lift motor and SD main PWB (YC8) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the SD Lift motor.
		SD Lift sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SD Lift sensor and SD main PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the SD Lift sensor.
		SD main PWB	Replace the SD main PWB (Refer to the service manual for the paper feeder).
1250 SM multi feed sensor communication error (side multi tray) A communication error is detected 3 times in succession.		Side multi tray	Check the wiring connection status with the main unit and, if necessary, try connecting it again.
		SM main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM main PWB (YC1) and Engine PWB (YC19) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the SM main PWB (Refer to the service manual for the paper feeder).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
1350	SM multi feed sensor error (side multi tray) The SM multi feed sensor has detected multi feeding 5 times successively.	SM multi feed sensor	1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM multi feed sensor and SM main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the SM multi feed sensor.
		SM main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).
1400	Rotary guide motor error The guide sensor is not detected to be on at the home position detection with the rotary guide for three times in a row.	Rotary guide motor	1. Check the rotary guide and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Rotary guide motor and BR PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the rotary guide motor.
		BR PWB	Replace the BR PWB.
1410	Rotary de-curler error If the de-curler won't turn On/Off despite it has been activated for 400 steps during waiting for the de-curler sensor to be On/Off three times in a row.	Rotary de-curler motor	1. Check the rotary de-curler and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Rotary de-curler motor and BR PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the rotary de-curler motor.
		BR PWB	Replace the BR PWB.
1450	SM multi feed sensor backup error (side multi tray) [45 ppm/55 ppm model] When writing the data, read and write data does not match 3 times in succession. Deleting a block has failed three times in a row. Writing won't complete in 200 ms after writing has commenced.	SM multi feed sensor	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM multi feed sensor and SM main PWB (YC11) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the SM multi feed sensor.
		SM main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1720	<p>Paper feeder incompatible detection error The paper feeder has been installed with a device to which it is incompatible.</p>	The paper feeder is installed with a device to which it is incompatible.	The paper feeder must be installed with the devices to which it is compatible.
1800	<p>Paper feeder communication error A communication error from paper feeder is detected 10 times in succession.</p>	Paper feeder	Check the wiring connection status with the main unit and, if necessary, try connecting it again.
		PF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF main PWB (YC13) and Engine PWB (YC19) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the PF main PWB (Refer to the service manual for the paper feeder).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
1810	<p>Side multi tray communication error A communication error from side multi tray is detected 10 times in succession.</p>	Side multi tray	Check the wiring connection status with the main unit and, if necessary, try connecting it again.
		SM main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM main PWB (YC1) and Engine PWB (YC19) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the SM main PWB (Refer to the service manual for the paper feeder).
		Engine PWB	Check the engine software and upgrade to the latest, if necessary. Replace the engine PWB (see page 1-5-57).
		SM main PWB	Replace the SM main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
1820 Side paper feeder communication error A communication error from paper feeder is detected 10 times in succession.		Side paper feeder	Check the wiring connection status with the main unit and, if necessary, try connecting it again.
		SM main PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM main PWB (YC1) and Engine PWB (YC19) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the SM main PWB (Refer to the service manual for the paper feeder).
		PF main PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF main PWB (YC13) and SM main PWB (YC4) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the PF main PWB (Refer to the service manual for the paper feeder).
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
1900 Paper feeder EEPROM error When writing the data, read and write data does not match 3 times in succession.		PF main PWB (EEPROM)	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. Replace the PF main PWB (Refer to the service manual for the paper feeder).
1910 Side multi tray EEPROM error When writing the data, read and write data does not match 3 times in succession.		SM main PWB (EEPROM)	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. Replace the SM main PWB (Refer to the service manual for the paper feeder).
1920 Side paper feeder EEPROM error When writing the data, read and write data does not match 3 times in succession.		PF main PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
2101	Developer motor error After developer motor is driven, the ready signal does not turn to L within 5 s. After developer motor is stabilized, the ready signal is at the H level for 5 s continuously.	Developer unit	<ol style="list-style-type: none"> 1. Check that the developer waste lock has been released and, if not, release the lock (see page 1-2-24). 2. Check that the gears and spiral screw of the developer unit are not damaged. 3. Confirm that the developer roller can rotate. 4. If it won't rotate, replace the developer unit (see page 1-5-39).
		Developer motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute DLP(K) by U030 (see page 1-3-29). 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer motor and Feed PWB 1 (YC8) Feed PWB 1 (YC2) and Engine PWB (YC5) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the Developer motor.
		Motor control PWB	Replace the Motor control PWB
		Engine PWB.	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
2201 drum motor steady-state error After drum motor is stabilized, the ready signal is at the H level for 5 s continuously.		Drum unit	1. Confirm that the drum or the drum screw can rotate. 2. If it won't rotate, replace the drum unit. (see page 1-5-40)
		drum motor	1. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. drum motor and Feed PWB 1 (YC9) Feed PWB 1 (YC2) and Engine PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the drum motor (see page 1-5-73).
		Motor control PWB	Replace the Motor control PWB
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
2211 Drum motor startup error Drum motor is not stabilized within 2 s since the motor is activated.		Drum unit	1. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 2. Confirm that the drum or the drum screw can rotate. 3. If it won't rotate, replace the drum unit (see page 1-5-40).
		drum motor	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. drum motor and Feed PWB 1 (YC9) Feed PWB 1 (YC2) and Engine PWB (YC5) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the drum motor (see page 1-5-73).
		Motor control PWB	Replace the Motor control PWB
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
2300	Fuser motor error After fuser motor is driven, the ready signal does not turn to L within 2 s. After fuser motor is stabilized, the ready signal is at the H level for 1 s continuously.	Fuser motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute U030 Fuser (Fuser motor) (see page 1-3-29). 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser motor and Feed PWB 1(YC18) Feed PWB 1(YC1) and Engine PWB (YC6) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the fuser motor (see page 1-5-76).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Feed PWB 1	Replace the Feed PWB 1.
		Fuser unit	Replace the fuser unit (see page 1-5-47).
2500	Paper feed motor error After paper feed motor is driven, the ready signal does not turn to L within 2 s. After paper feed motor is stabilized, the ready signal is at the H level for 1 s continuously.	Paper feed motor	<ol style="list-style-type: none"> 1. To check the motor operation execute U030 Feed (paper feed motor) (see page 1-3-29). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Paper feed motor and Feed PWB 2(YC2) Feed PWB 2(YC1) and Engine PWB (YC4) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the paper feed motor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
2550	<p>Transfer motor error After Transfer motor is driven, the ready signal does not turn to L within 2 s. After Transfer motor is stabilized, the ready signal is at the H level for 1 s continuously.</p>	Transfer motor	<ol style="list-style-type: none"> 1. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Transfer motor and Relay PWB(YC6) Relay PWB(YC5) and Feed PWB 1 (YC13) Feed PWB 1 (YC1) and Engine PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Transfer motor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
2600	<p>PF paper feed motor error (large capacity feeder) After PF paper feed motor is driven, the ready signal does not turn to L within 2 s.</p>	PF paper feed motor	<ol style="list-style-type: none"> 1. To check the feed unit operation, execute U247 LCF- Motor ON (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF paper feed motor and PF main PWB (YC16) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the paper feed motor.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
2610	PF paper feed motor error (paper feeder) After PF paper feed motor is driven, the ready signal does not turn to L within 2 s.	PF paper feed motor	<ol style="list-style-type: none"> 1. To check the feed unit operation, execute U247 2PF - Motor ON (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF paper feed motor and PF main PWB (YC16) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the paper feed motor.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).
2640	SD paper feed motor error (side deck) After SD paper feed motor is driven, the ready signal does not turn to L within 2 s.	SD paper feed motor	<ol style="list-style-type: none"> 1. To check the feed unit operation, execute U247 Side deck- Motor ON (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SD paper feed motor and SD main PWB (YC16) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the SD paper feed motor.
		SD main PWB	Replace the SD main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
2650	SM paper feed motor error (side multi tray) After SM paper feed motor is driven, the ready signal does not turn to L within 2 s.	SM paper feed motor	<ol style="list-style-type: none"> 1. To check the feed unit operation, execute U247 SMT- Motor ON (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. SM paper feed motor and SM main PWB (YC5) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the SM paper feed motor.
		SM main PWB	Replace the SM main PWB (Refer to the service manual for the paper feeder).
2660	PF paper feed motor error (side large capacity feeder) After PF paper feed motor is driven, the ready signal does not turn to L within 2 s.	PF paper feed motor	<ol style="list-style-type: none"> 1. To check the feed unit operation, execute U247 Side LCF - Motor ON (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF paper feed motor and PF main PWB (YC16) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF paper feed motor.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Related parts	Check procedures/ corrective measures
2670	PF paper feed motor error (side paper feeder) After PF paper feed motor is driven, the ready signal does not turn to L within 2 s.	PF paper feed motor	<ol style="list-style-type: none"> 1. Execute Side 2PF - Motor ON of U247 feed unit operation check (see page 1-3-118). 2. Check the paper feed roller and drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF paper feed motor and PF main PWB (YC16) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF paper feed motor.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).
3100	Scanner carriage error The home position is not correct when the power is turned on, at the end of a reading process of the table and document processor.	The scanner mirror frame is being locked after setup.	Check whether the scanner mirror frame has been unlocked and unlock if necessary (see page 1-2-15).
		Scanner motor	<ol style="list-style-type: none"> 1. To check the scanner motor, execute U073 (see page 1-3-58). 2. Move the scanner by the hand to check whether it is unusually difficult to move. 3. Check that the optical wire rope is not disengaged and engage the wire. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Scanner motor and ISC PWB (YC5) ISC PWB (YC3) and Main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the scanner motor.
		Home position sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Home position sensor and ISC PWB (YC8) 3. Replace the home position sensor.
		ISC PWB	Replace the ISC PWB and execute U411 (see page 1-3-139).
		Main PWB	Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
3200 Exposure lamp error When input value at the time of LED lamp PWB illumination does not exceed the threshold value between 5 s.		LED lamp PWB	1. Execute CCD of U061 lamp check (see page 1-3-47). 2. Confirm that the power connector is firmly connected and, if necessary, connect the connector all the way in. LED lamp PWB and ISC PWB (YC6) CCD PWB (YC2) and ISC PWB (YC9) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the LED lamp PWB and execute U411 (see page 1-3-139).
		ISC PWB	Replace the ISC PWB and execute U411 (see page 1-3-139).
		CCD PWB	Replace the ISU and execute U411 (see page 1-3-139).
		Main PWB	Replace the main PWB (see page 1-5-51).
3210 CIS lamp error When input value at the time of CIS illumination does not exceed the threshold value between 5 s.		CIS	1. Execute U906 Separating Operation Release (see page 1-3-169). 2. Execute CCD of U061 lamp check (see page 1-3-47). 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CIS and DPSHD PWB (YC2) DPSHD PWB (YC3) and DP relay PWB (YC2) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the CIS and execute U091 and U411 (see page 1-3-62,1-3-139).
		DPSHD PWB	Replace the DPSHD PWB.
		DP relay PWB	Replace the DP relay PWB.

Code	Contents	Related parts	Check procedures/ corrective measures
3300	Optical system (AGC) error One of the gains is FF or 00 during the CCD lamp AGC is being processed.	LED lamp PWB	1. To check the lamp, execute U061 CCD (see page 1-3-47). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. LED lamp PWB and ISC PWB (YC6) CCD PWB (YC2) and ISC PWB (YC9) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. If the LED lamp won't light, replace the LED PWB and execute U411 (see page 1-3-139).
		CCD PWB	Replace the ISU and execute U411 (see page 1-3-139).
		ISC PWB	Replace the ISC PWB and execute U411 (see page 1-3-139).
		Main PWB	Replace the main PWB (see page 1-5-51).
3310	CIS AGC error After AGC, correct input is not obtained at CIS.	CIS	1. Execute U906 Separating Operation Release (see page 1-3-169). 2. To check the lamp, execute U061 CCD (see page 1-3-47). 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP CIS and DPSHD PWB (YC2) DPSHD PWB (YC3) and DP relay PWB (YC2) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the CIS and execute U091 and U411 (see page 1-3-62,1-3-139).
		DPSHD PWB	Replace the DPSHD PWB.
3500	Communication error between scanner and ASIC An error code is detected.	ISC PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. ISC PWB (YC3) and Main PWB (YC11) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the ISC PWB and execute U411 (see page 1-3-139).
		Main PWB	Replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
3600	Scanner sequence error	ISC PWB	<ol style="list-style-type: none"> 1. Execute U021 memory initializing (see page 1-3-27). 2. Replace the ISC PWB and execute U411 (see page 1-3-139).
3700	Scanner device error	CCD (ISU)	Since the ISU is mounted with a CCD of different type, install the ISU that matches with the model.
3800	AFE error When writing the data, read and write data does not match 3 times in succession. No response is received in 100 ms from AEF.	ISC PWB	<ol style="list-style-type: none"> 1. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. CCD PWB (YC2) and ISC PWB (YC9) 2. If the FFC wiring is disconnected, replace the FFC wiring. 3. Replace the ISC PWB and execute U411 (see page 1-5-27).
		CCD PWB	Replace the ISU and execute U411 (see page 1-3-139).
3900	Backup memory read/write error (ISC PWB) Read and write data does not match.	Backup memory (ISC PWB)	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, turn it on. 2. Replace the ISC PWB and execute U411 (see page 1-3-139).
4001	Polygon motor synchronization error After polygon motor is driven, the ready signal does not turn to L within 30 s. The polygon motor speed won't stabilize within 10 s.	Polygon motor (LSU)	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Polygon motor and Engine PWB (YC15) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the laser scanner unit (see page 1-5-32).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
4011	Polygon motor steady-state error After Polygon motor is stabilized, the ready signal is at the H level for 15 s continuously.	Polygon motor (LSU)	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Polygon motor and Engine PWB (YC15) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the laser scanner unit (see page 1-5-32).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
4101	BD initialization error K After Polygon motor is driven, the BD signal is not detected for 1 s.	PD PWB K (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. Laser scanner unit and LSU relay PWB (YC3) LSU relay PWB (YC2) and Engine PWB (YC11) 2. If the FFC wiring is disconnected, replace the FFC wiring. 3. Replace the laser scanner unit (see page 1-5-32).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
4201	BD steady-state error K The BD signal is not detected.	PD PWB K (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. Laser scanner unit and LSU relay PWB (YC3) LSU relay PWB (YC2) and Engine PWB (YC11) 2. If the FFC wiring is disconnected, shorted or grounded, replace the FFC wiring. 3. Replace the laser scanner unit (see page 1-5-32).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
5101	Main high-voltage error K Measure the inflowing current when Vpp is varied in 3 steps and verify if the difference of the currents of 0 and step 2 is less than 42 (51 if lower high-voltage board).	Drum unit	<ol style="list-style-type: none"> 1. Confirm that the drum or the drum screw can rotate. 2. If it won't rotate, replace the drum unit. 3. Check that the discharger lamp is properly connected.
		Charger roller unit	<ol style="list-style-type: none"> 1. Check that the high-voltage contacts are not distorted or adhered with foreign objects. 2. Reinstall the charger roller unit. Or, replace the charger roller unit (see page 1-5-42).
		High voltage PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. High voltage PWB (YC2) and Engine PWB (YC16) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the High voltage PWB (see page 1-5-62).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6000	Broken fuser heater wire Fuser thermistor 1 does not reach 100° C/212 °F even after 60 s during warming up. The detected temperature of fuser thermistor 1 does not reach the specified temperature (ready indication temperature) for 420 s in warming up after reached to 100° C/212 °F.	Fuser unit	<ol style="list-style-type: none"> 1. Check that no paper jam is present. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90). (Deteriorated sensitivity due to the toner adhered to the center thermistor.)
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).
6020	Abnormally high fuser thermistor 1 temperature Fuser thermistor 1 detects a temperature higher than 240°C/464°F for 1 s.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit (see page 1-5-47).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6030	Broken fuser thermistor 1 wire Input from fuser thermistor 1 is 1010 or more (A/D value) continuously for 1 s. Verify if A/D read in the differential output won't change by 4 or more when it was turned on for 10 seconds in a low-temperature environment.	Fuser unit	<ol style="list-style-type: none"> 1. Check that no paper jam is present. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90). (Deteriorated sensitivity due to the toner adhered to the center thermistor.)
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the Fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6040	Fuser heater error Input from fuser center thermistor 1 is abnormal value continuously for 1 s. CPU port PH1 to stay in H level for one second or more in all operating modes is judged that the connector is disconnected.	Fuser unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB (YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).

Code	Contents	Related parts	Check procedures/ corrective measures
6050	Abnormally low fuser thermistor 1 temperature Fuser thermistor 1 detects a temperature lower than 100°C/212°F for 1 s after warming up, during ready or during print.	Power source	<ol style="list-style-type: none"> 1. Check that the operating voltage falls within +/-10%. 2. Check no voltage drop is caused. The heater is deactivated at 70V or lower. 3. Relocate the AC outlet that supplies power.
		Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 1. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the Fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6120	Abnormally high fuser press thermistor 5 temperature Fuser press thermistor 5 detects a temperature higher than 190°C/ 374°F for 1 s.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6130	Broken fuser press thermistor 5 wire The input from the fuser press thermistor 5 has been less than 30°C/ 86°F (A/D: greater than 992) for 60 seconds continuously.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) Fuser IH PWB(YC4) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6150	Abnormally low fuser press thermistor 5 temperature Fuser press thermistor 5 detects a temperature lower than 30°C/ 86°F for 1 s after warming up.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6200	Broken fuser edge heater wire Fuser thermistor 2 does not reach 100° C/212 °F even after 60 s during warming up. The detected temperature of fuser thermistor 2 does not reach the specified temperature (ready indication temperature) for 420 s in warming up after reached to 100° C/212 °F.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6220	Abnormally high fuser edge thermistor temperature Fuser thermistor 2 detects a temperature higher than 220°C/428°F for 1 s.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6230	Broken fuser edge thermistor wire The Input signal from the fuser thermistor 2 is 992 or more (A/D value) continuously for 1 s when the temperature at the fuser thermistor 1 is higher than 100°C/212°F. Fuser thermistor 2 detects a loeer then 500°C/122°F for 15s during werming up.	Fuser unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6250	Abnormally low fuser edge thermistor temperature Fuser thermistor 2 detects a temperature lower than 100°C/212°F for 1 s during ready or print. Fuser thermistor 2 detects a temperature lower than 50°C/ 122°F for 1 s during low power mode.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. Fuser unit and Engine PWB (YC26) If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).
6320	Abnormally high fuser middle thermistor 3 temperature Fuser middle thermistor 3 detects a temperature higher than 215°C/419°F for 1 s.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6330	Broken fuser middle thermistor 3 wire Fuser middle thermistor 3 detects a temperature lower than 20°C/ 68°F continuously for 1 s	Fuser unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).

Code	Contents	Related parts	Check procedures/ corrective measures
6520	Abnormally high fuser thermistor 4 temperature Fuser thermistor 4 detects a temperature higher than 215°C/ 419°F for 1 s.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6530	Broken fuser thermistor 4 wire Fuser thermistor 4 detects a temperature lower than 20°C/ 68°F continuously for 1 s	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser unit and execute U167 counter clear (see page 1-3-90).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).

Code	Contents	Related parts	Check procedures/ corrective measures
6600	Fuser belt rotation error A belt rotating pulse is not received for 1 s. (Engine CPU)	Fuser motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute U030 Fuser (see page 1-3-29). 2. Check that the drive gear can rotate and not heavily loaded and, if necessary, apply grease to the axle holder and gears. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser motor and Feed PWB (YC18) and Engine PWB (YC6) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the fuser motor (see page 1-5-76).
		Fuser belt sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the fuser unit and execute U167 counter clear (see page 1-3-90).
		Feed PWB 1	Replace the Feed PWB1.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6610	Fuser release sensor error The fusing pressure release sensor won't send an off signal in 5 seconds since a pressure release instruction is given for the fusing pressure motor. The fusing pressure release sensor won't send an on signal in 5 seconds since a pressure instruction is given for the fusing pressure motor.	Fuser release motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute U030 Fuser Release (see page 1-3-29). 2. Check that the drive gear can be rotated and the separation is possible. 3. If the motor won't rotate, confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the fuser unit and execute U167 counter clear (see page 1-3-90).
		Fuser release sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Check that the sensor is not contaminated or damaged.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6620	IH core motor error When the IH core motor is driven, the IH core sensor does not turn off for 5 s.	IH core motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute U030 Fuser Release (see page 1-3-29). 2. Check that the drive gear can be rotated and the separation is possible. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. IH core motor and front PWB (YC10) Front PWB (YC3) and engine PWB (YC7) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. eplace the Fuser unit (see page 1-5-47).
		IH core sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Check that the sensor is not contaminated or damaged.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6710	Fuser IH PWB CPU reset error Watch doc timer has been overflowed.	Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6720	Fuser IH belt rotation error While driving, the pulse count is less than 3 for 2 seconds during the input to the rotation pulse signal is 200 msec.	Fuser motor	<ol style="list-style-type: none"> 1. To check the motor operation, execute U030 Fuser (see page 1-3-29). 2. Check that the drive gear can rotate and not heavily loaded and, if necessary, apply grease to the axle holder and gears. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser motor and Feed PWB (YC18) and Engine PWB (YC6) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the fuser motor (see page 1-5-76).
		Fuser belt sensor	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser unit and execute U167 counter clear (see page 1-3-90).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. Replace the fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6730	Abnormally high fuser IH PWB temperature 1 (IGBT1) The input detect temperature is higher than 115°C/ 221 °F.	Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB (YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6740	Abnormally high fuser IH PWB temperature 2 (IGBT2) The input detect temperature is higher than 115°C/ 221 °F.	Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB (YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6750 Fuser IH output over-current error The output current of IH CPU is higher than 110 A for 10 ms in succession.		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6760 Fuser IH input over-current error The input current of IH CPU is higher than 20A (100V/120V), 10A (200V) for 100 ms in succession.		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6770	Fuser IH low electric power error Less than 0.6 times of the pre-set power is detected for 120 ms in succession after the IH heater remote has turned on.	Fuser unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser unit and Fuser IH PWB (YC6) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser IH unit (see page 1-5-49).
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser IH PWB (see page 1-5-66).
		Fuser IH unit	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH unit and Fuser IH PWB (YC9 and 10) Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the fuser IH unit (see page 1-5-49).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6910	Engine software ready error The device won't engage in ready state in 60 minutes after warming-up has began. (A previous timeout process has not been cancelled.)	Engine PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, turn it on. 2. Reinstall the engine software. 3. Replace the engine PWB (see page 1-5-57).
6920	Fuser front fan motor error When the fuser front fan motor is driven, alarm signal is detected for 5 s continuously.	Fuser front fan motor	<ol style="list-style-type: none"> 1. To check the fan motor operation, execute U037 IH Coil (see page 1-3-37). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser front fan motor and Front PWB (YC4) Front PWB (YC3) and Engine PWB (YC7) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the fuser front fan motor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6930	Fuser rear fan motor error When the fuser rear fan motor is driven, alarm signal is detected for 5 s continuously.	Fuser rear fan motor	<ol style="list-style-type: none"> 1. To check the fan motor operation, execute U037 Fuser Cooling (see page 1-3-37). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser rear fan motor and Engine PWB (YC26) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the fuser rear fan motor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6940	IH PWB cooling fan motor error When the IH fan motor is driven, the alarm signal is detected for 5 s continuously.	IH fan motor	<ol style="list-style-type: none"> 1. To check the fan motor operation, execute U037 IH PWB (see page 1-3-37). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. IH fan motor and Feed PWB 1(YC11) Feed PWB 1(YC2) and Engine PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the IH fan motor.
		Feed PWB 1	Replace the Feed PWB1.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
6950	Fuser IH PWB communication error No response is received in 30 ms since a command is sent to IHCPU. A checksum error is detected 10 times in succession.	Power source PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Power source PWB (YC9) and Feed PWB 1(YC4) Power source PWB (YC3) and Fuser IH PWB (YC1) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. If the +24V output is not given by the power source PWB (YC9), replace the power source PWB.
		Feed PWB 1	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Power source PWB (YC3) and Fuser IH PWB (YC1) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. If the +24V output is not given by the feed PWB1 (YC27), replace the feed PWB1.
		Fuser IH PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Fuser IH PWB(YC4) and Engine PWB (YC26) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Fuser IH PWB (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
6990	Fuser power supply incompatibility Information won't match between the engine backup and the fuser IH PWB.	Differences in settings after initialization	When this has happened after initialization using U021, make settings identical with the voltages on the IH PWB using U169 (see page 1-3-27,1-3-91).
		Fuser IH PWB	Replace with a fuser IH PWB specifically designed with the standard voltage (see page 1-5-66).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7001	Toner motor error A state that a lock is detected 5 times in a row in 200ms cycle when the Toner motor is driven has occurred 30 times in total.	Toner container	<ol style="list-style-type: none"> 1. Check that the spiral screw of the toner container can be rotated by the hand. 2. Check for broken gears and replace if any.
		Toner motor	<ol style="list-style-type: none"> 1. Draw out the toner container and execute U135 to check the toner motor operation (see page 1-3-77). 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Toner motor and Engine PWB (YC27) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the Toner motor.
		Screw sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Screw sensor and Front PWB (YC5) Front PWB (YC2) and Engine PWB (YC7) 3. Replace the Screw sensor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7101	Toner sensor error Sensor output value of 60 or less or 944 or more continued for 3 s.	Failure of locking the developer waste slot at setup.	If an abnormal noise is heard, check that the developer ejection outlet is released and, if not, release the outlet (see page 1-2-24).
		Toner sensor	<ol style="list-style-type: none"> 1. Check the toner sensor output by U155 (see page 1-3-85). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Toner sensor and Front PWB (YC7) Front PWB (YC2) and Engine PWB (YC8) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Check that the gears of the Developer unit are not damaged and the spiral can rotate. 5. Replace the Developer unit (see page 1-5-39).
		Toner motor	<ol style="list-style-type: none"> 1. Draw out the toner container and execute U135 to check the toner motor operation (see page 1-3-77). 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Toner motor and Engine PWB (YC27) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the Toner motor.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7200	Broken outer temperature sensor 2 wire The sensor input sampling is greater than 230.	Outer temperature sensor 2	<ol style="list-style-type: none"> 1. Confirm Ext/Int is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Outer temperature sensor 2 and Front PWB (YC8) Front PWB (YC2) and Engine PWB (YC8) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the outer temperature sensor 2.
		Front PWB	Replace the front PWB.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
7210	Short-circuited outer temperature sensor 2 The sensor input sampling is less than 69.	Outer temperature sensor 2	<ol style="list-style-type: none"> 1. Confirm Ext/Int is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Outer temperature sensor 2 and Front PWB (YC8) Front PWB (YC2) and Engine PWB (YC8) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the outer temperature sensor 2.
		Front PWB	Replace the front PWB
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7221	Broken LSU thermistor wire The sensor input sampling is greater than 230.	LSU thermistor	<ol style="list-style-type: none"> 1. Confirm LSU is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Laser scanner unit and LSU relay PWB (YC3) LSU relay PWB (YC2) and Engine PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the laser scanner unit (see page 1-5-32).
		LSU relay PWB	REPLACE the LSU relay PWB.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
7231	Short-circuited LSU thermistor K The sensor input sampling is less than 69.	LSU thermistor	<ol style="list-style-type: none"> 1. Confirm LSU is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Laser scanner unit and LSU relay PWB (YC3) LSU relay PWB (YC2) and Engine PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the laser scanner unit (see page 1-5-32).
		LSU relay PWB	Replace the LSU relay PWB.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7241	Broken Developer thermistor wire The sensor input sampling is greater than 230.	Developer thermistor	<ol style="list-style-type: none"> 1. Confirm Developing is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer unit and Front PWB (YC7) Front PWB (YC2) and Engine PWB (YC8) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Developer unit (see page 1-5-39).
		Front PWB	Replace the front PWB
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
7251	Short-circuited Developer thermistor The sensor input sampling is less than 69.	Developer thermistor	<ol style="list-style-type: none"> 1. Confirm Developing is displayed by U139 temperature and humidity (see page 1-3-79). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer unit and Front PWB (YC7) Front PWB (YC2) and Engine PWB (YC8) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Developer unit (see page 1-5-39).
		Front PWB	Replace the front PWB
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7301	Toner hopper motor error When the toner hopper motor is driven, toner hopper sensor does not turn on within 200 ms. This error is detected 15 times successively.	Toner hopper motor	1. If the motor won't rotate, confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Toner hopper motor and Front PWB (YC5) Front PWB (YC3) and Engine PWB (YC7) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the toner hopper motor .
		Screw sensor	1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Screw sensor and Front PWB (YC5) Front PWB (YC3) and Engine PWB (YC7) 3. Replace the Screw sensor.
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
7401	Developer unit type mismatch error Improper adaptation of the machine and developer unit is detected.	Different type of the developer unit is installed.	Install the developer unit of the correct type.
		Developer unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer unit and Front PWB (YC7) Front PWB (YC2) and Engine PWB (YC8) 2. If the wiring is disconnected, shorted or grounded, replace the wiring.

Code	Contents	Related parts	Check procedures/ corrective measures
7411	Drum unit type mismatch error Improper adaptation of the machine and developer unit is detected.	Different type of the drum unit is installed.	Install the drum unit of the correct type.
		Drum unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Drum unit and Front PWB (YC6) Front PWB (YC2) and Engine PWB (YC8) 2. If the wiring is disconnected, shorted or grounded, replace the wiring.
7460	Developer shutter error Power is turned on while the developer shutter is locked.	The developer shutter has been locked.	Release the developer shutter (see page 1-2-24).
		Developer shutter sensor	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer shutter sensor and Front PWB (YC4) Front PWB (YC3) and Engine PWB (YC7) 2. If the wiring is disconnected, shorted or grounded, replace the wiring.

Code	Contents	Related parts	Check procedures/ corrective measures
7601	ID sensor 1 error [Front] Dark potential error FrontDarkP and FrontDarkS are greater than 0.80V. Light potential error FrontBrightS is smaller than FrontDarkS. FrontBrightP is smaller than [FrontDarkP + 0.5V].	ID sensor1	<ol style="list-style-type: none"> 1. Execute U464 Calib for setting ID compensation operation and check the displayed values by U465 Boas Calib for ID compensation reference (see page 1-3-156). 2. Detach the transfer belt unit and clean the ID sensor on its surface. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. ID sensor 1 (front) and relay PWB (YC10) Relay PWB (YC1) and Feed PWB 1 (YC14) Feed PWB 1 (YC2) and Engine PWB (YC5) 4. If the wiring is disconnected, shorted or grounded, replace the wiring.
		Feed PWB 1	Replace the Feed PWB 1.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7602	ID sensor 2 error [Rear] Dark potential error RearDarkP and RearDarkS are greater than 0.80V. Light potential error RearBrightS is smaller than RearDarkS. RearBrightP is smaller than [RearDarkP + 0.5V].	ID sensor 2	<ol style="list-style-type: none"> Execute U464 Calib for setting ID compensation operation and check the displayed values by U465 Boas Calib for ID compensation reference (see page 1-3-156). Clean the ID sensor on its surface. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. ID sensor2 (rear) and relay PWB (YC10) Relay PWB (YC1) and Feed PWB 1 (YC14) Feed PWB 1 (YC2) and Engine PWB (YC5) If the wiring is disconnected, shorted or grounded, replace the wiring.
		Feed PWB 1	Replace the Feed PWB 1.
		Engine PWB	<ol style="list-style-type: none"> Check the engine software and upgrade to the latest, if necessary. Replace the engine PWB (see page 1-5-57).
7800	Broken outer temperature sensor wire The device did not respond for more than 5 ms during reading, in 5 times.	Outer temperature sensor	<ol style="list-style-type: none"> Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Outer temperature sensor and Front PWB (YC8) Front PWB (YC2) and Engine PWB (YC8) If the wiring is disconnected, shorted or grounded, replace the wiring. Replace the Outer temperature sensor.
		Front PWB	Replace the front PWB
		Engine PWB	<ol style="list-style-type: none"> Check the engine software and upgrade to the latest, if necessary. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7901	Drum EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs 8 times successively. Mismatch between writing data and reading data occurs 8 times successively.	DR PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DR PWB and Front PWB (YC6) Front PWB (YC2) and Engine PWB (YC8) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Drum unit (see page 1-5-40).
		Front PWB	Replace the front PWB
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
7911	Developer unit EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs 8 times successively. Mismatch between writing data and reading data occurs 8 times successively.	Developer unit	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Developer unit and Front PWB (YC7) Front PWB (YC2) and Engine PWB (YC8) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Developer unit (see page 1-5-39).
		Front PWB	Replace the front PWB
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
7941	Laser scanner unit EEPROM error Mismatch of reading data from two locations occurs 8 times successively. Mismatch between writing data and reading data occurs 8 times successively.	APC PWB	1. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. APC PWB and LSU relay PWB (YC3) LSU relay PWB (YC2) and Engine PWB (YC11) 2. If the FFC wiring is disconnected, shorted or grounded, replace the FFC wiring. 3. Replace the laser scanner unit (see page 1-5-32).
		LSU relay PWB	REPLACE the LSU relay PWB.
		Engine PWB	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
8000	Finisher incompatible detection error The finisher has been installed with a device to which it is incompatible.	The finisher is installed with a device to which it is incompatible.	The finisher must be installed with the devices to which it is compatible.

Code	Contents	Related parts	Check procedures/ corrective measures
8010	Punch motor error 1 When the punch motor is driven, punch home position sensor does not turn on within 200 ms.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch HP to check the finisher operation (see page 1-3-104). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch home position sensor	<ol style="list-style-type: none"> 1. Execute U241 Punch - Punch HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch home position sensor and Punch PWB (YC8) 4. Replace the Punch home position sensor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8020	Punch motor error 2 Home position is not obtained in 3 s after home position is initialized or in standby.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch to check the finisher operation (see page 1-3-104). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8030	Punch motor error 3 Home position does not turn from On to Off in 50 ms after home position has been initialized.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch to check the finisher operation (see page 1-3-104). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8090	DF paddle motor error When the DF paddle motor is driven, DF paddle sensor does not turn on within 1 s.	DF paddle motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Beat to check the finisher operation (see page 1-3-104). 2. Check that the paddle can rotate. 3. Check that the drive from the motor reaches the paddle. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF paddle motor and DF main PWB (YC15) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF paddle motor.
		DF paddle sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Bundle Eject HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF paddle sensor and DF main PWB (YC22) 4. Replace the DF paddle sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8100	DF eject release motor error When the DF eject release motor is driven, DF bundle discharge sensor does not turn on within 1 s.	DF eject release motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Eject Unlock (Full) to check the finisher operation (see page 1-3-104). 2. Check that the eject guide of the process tray is opened and, if not, correct the guide. 3. Check that the drive from the motor reaches the eject guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF bundle discharge unit sensor and DF main PWB (YC22) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF eject release motor.
		DF bundle discharge unit sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Bundle Eject HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF bundle discharge unit sensor and DF main PWB (YC22) 4. Replace the DF bundle eject unit sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8110	DF shift motor 1 error DF shift sensor 1 won't turn on when it has travelled 160 mm after DF shift motor 1 is driven.	DF shift motor 1 [front]	<ol style="list-style-type: none"> 1. Execute U240 Motor - Sort Test to check the finisher operation (see page 1-3-104). 2. Manipulate the front shift guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the front shift guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift motor 1[front] and DF main PWB (YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF shift motor 1 [front].
		DF shift sensor 1 [front]	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Shift Front HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift sensor 1[front] and DF main PWB (YC23) 4. Replace the DF shift sensor 1 [front].
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8120	DF shift motor 2 error DF shift sensor 2 won't turn on when it has travelled 160 mm after DF shift motor 2 is driven.	DF shift motor 2 [rear]	<ol style="list-style-type: none"> 1. Execute U240 Motor - Sort Test to check the finisher operation (see page 1-3-104). 2. Manipulate the rear shift guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the rear shift guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift motor 2 [rear] and DF main PWB (YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF shift motor 2 [rear].
		DF shift sensor 2 [rear]	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Shift Tail HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift sensor 2 [rear] and DF main PWB (YC23) 4. Replace the DF shift set sensor2 [rear].
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8130	DF shift release motor error When the DF shift release motor is driven, DF shift release sensor does not turn on within 1 s.	DF shift release motor	<ol style="list-style-type: none"> 1. Check that cancelling the maintenance mode after executing U240 Motor - Sort for the finisher operation check lets the rear and forth cursors returns to the home position (see page 1-3-104). 2. Manipulate the front and rear shift guide to check it is smoothly operable. 3. Check that the drive from the motor reaches the shift guide front and rear. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift release motor and DF main PWB (YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF shift release motor.
		DF shift release sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Shift Unlock HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF shift release sensor and DF main PWB (YC23) 4. Replace the DF shift release sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8140	DF tray motor error 1 When the main tray has ascended, DF tray sensor 1 or DF tray upper surface sensor does not turn on within 20 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-104). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF Main PWB(YC16) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 1 DF tray upper surface sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray U-Limit, Tray Top to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 1 and DF Main PWB (YC22) DF tray upper surface sensor and DF Main PWB(YC21,YC13) 4. Replace the DF tray sensor 1 or DF tray upper surface sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8150	DF tray motor error 2 When the main tray has descended, DF tray sensor 1 or DF tray upper surface sensor does not turn off within 5 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-104). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF main PWB (YC16) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 1 DF tray upper surface sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray U-Limit, Tray Top to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 1 and DF main PWB (YC22) DF tray upper surface sensor and DF main PWB (YC21,YC13) 4. Replace the DF tray sensor 1 or DF tray upper surface sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8160	DF tray motor error 3 When the main tray has descended, DF tray sensor 4 does not turn on within 20 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-104). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF main PWB (YC16) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 4	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray Middle to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 4 and DF main PWB (YC23) 4. Replace the DF tray sensor 4.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8170	DF side registration motor 1 error 1 When initial operation, DF side registration sensor 1 does not turn on within 3 s.	DF side registration motor 1	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-104). 2. Manipulate the front side registration guide to check it is smoothly operable. 3. Check that the drive from the motor reaches the front side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 1 and DF main PWB (YC15)If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF side registration motor 1.
		DF side registration sensor 1	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Front to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 1. and DF main PWB (YC22) 4. Replace the DF side registration sensor 1.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8180	DF side registration motor 1 error 2 JAM6810 (jam in front of width alignment) is detected twice.	DF side registration motor 1	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-104). 2. Manipulate the front side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the front side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 1 and DF main PWB (YC15) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 1.
		DF side registration sensor 1.	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Front to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 1. and DF main PWB (YC22) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF side registration sensor 1.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8190	DF side registration motor 2 error 1 When initial operation, DF side registration sensor 2 does not turn on within 3 s.	DF side registration motor 2	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-104). 2. Manipulate the rear side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the rear side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 2 and DF main PWB (YC15) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 2.
		DF side registration sensor 2	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width tail HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 2 and DF main PWB (YC22) 4. Replace the DF side registration sensor 2.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8200	DF side registration motor 2 error 2 JAM6910 (jam in rear of width alignment) is detected twice.	DF side registration motor 2	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-104). 2. Manipulate the rear side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the rear side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 2 and DF main PWB (YC15) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 2.
		DF side registration sensor 2	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width tail HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 2 and DF main PWB (YC22) 4. Replace the DF side registration sensor 2.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8210	DF slide motor error When initial operation, DF staple sensor does not turn on within 3 s.	DF slide motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Staple Move to check the finisher operation (see page 1-3-104). 2. Manipulate the staple unit back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the staple unit. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF slide motor and DF main PWB (YC12) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF slide motor.
		DF staple sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Staple HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF staple sensor and DF main PWB (YC22) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF staple sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8230	DF staple motor error 1 Staple JAM (DF) has been detected twice in a row. (The second JAM detection condition fulfilled with the home position did not detected in 600 ms after the motor was driven.)	DF staple motor	1. Remove the staple unit and check that stapling is possible without a jam. 2. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. Staple unit and DF main PWB (YC17) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the staple unit. (Refer to the service manual for the document finisher).
		DF staple sensor	Replace the staple unit.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).
8240	DF staple motor error 2 Staple JAM (DF) has been detected twice in a row. (The second JAM detection condition fulfilled with a lock detection signal maintained 1 V for 500 ms continuously, while the stapler motor was driven.)	DF staple motor	1. Remove the staple unit and check that stapling is possible without a jam. 2. Confirm that the FFC wiring connector is not distorted and connect the FFC wiring all the way in. Staple unit and DF main PWB (YC17) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the staple unit. (Refer to the service manual for the document finisher).
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Related parts	Check procedures/ corrective measures
8300	CF unit communication error Communication with the center-folding unit is not possible.	CF unit set switch	<ol style="list-style-type: none"> 1. Execute U241 Booklet - Set to check the finisher switch (see page 1-3-106). 2. Check that the switch and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF main PWB (YC7) and DF main PWB (YC9) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the CF unit set switch.
		CF main PWB	Replace the CF main PWB
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).
8310	CF side registration motor 2 error When initial operation, CF side registration sensor 2 does not turn on within 1 s.	CF side registration motor 2	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Width Test to check finisher operation check (see page 1-3-104). 2. Manipulate the side registration upper guide back and forth to check it can smoothly move back and forth. 3. Check that the drive from the motor reaches the side registration upper guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF side registration motor 2 and CF main PWB (YC10) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF side registration motor.
		CF side registration sensor 2	<ol style="list-style-type: none"> 1. Execute U241 Booklet - Width Up HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF side registration sensor 2 and CF main PWB (YC20) 4. Replace the CF side registration sensor 2.
		CF main PWB	Replace the CF main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8320	CF adjustment motor error When initial operation, CF adjustment sensor does not turn on within 2.5 s.	CF adjustment motor1,2	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Bundle Up / Down to check the finisher operation (see page 1-3-104). 2. Manipulate the fold moving belt up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the fold moving belt. (Check if the belt is bent.) 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF adjustment motor 1,2 and CF main PWB (YC10) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF adjustment motor1,2.
		CF adjustment sensor1,2	<ol style="list-style-type: none"> 1. Execute U241 Booklet - bundle Up / Down HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF adjustment sensor 1,2 and CF main PWB (YC20) 4. Replace the CF adjustment sensor1,2.
		CF main PWB	Replace the CF main PWB.

Code	Contents	Related parts	Check procedures/ corrective measures
8330	CF blade motor error When initial operation, CF blade sensor does not turn on within 1500 ms.	CF blade motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Blade to check the finisher operation (see page 1-3-104). 2. Manipulate the fold blade up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the fold blade. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF blade motor and CF main PWB (YC15) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF blade motor.
		CF blade sensor	<ol style="list-style-type: none"> 1. Execute U241 Booklet - Blade HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF blade sensor and CF main PWB (YC20) 4. Replace the CF blade sensor.
		CF main PWB	Replace the CF main PWB
8340	CF staple motor error 1 Staple JAM (center-folding unit) has been detected twice in a row. (The second JAM detection condition fulfilled with the home position did not detected in 600 ms after the motor was driven.)	CF staple motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Staple to check the finisher operation (see page 1-3-104). 2. Manipulate the staple up and down check it is smoothly operable. 3. Check that the drive from the motor reaches the staple unit. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF staple unit and CF main PWB (YC13) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF staple motor.
		CF staple sensor	Replace the CF staple unit.
		CF main PWB	Replace the CF main PWB.

Code	Contents	Related parts	Check procedures/ corrective measures
8350	CF side registration motor 1 error When initial operation, CF side registration sensor 1 does not turn on within 1 s.	CF side registration motor 1	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Width Test to check the finisher operation (see page 1-3-104). 2. Manipulate the side registration lower guide back and forth to check it can smoothly operable. 3. Check that the drive from the motor reaches the side registration lower guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF side registration motor 1 and CF main PWB (YC10) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF side registration motor 1.
		CF side registration sensor 1	<ol style="list-style-type: none"> 1. Execute U241 Booklet - Width Down HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF side registration sensor 1 and CF main PWB (YC20) 4. Replace the CF side registration sensor 1.
		CF main PWB	Replace the CF main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8360	CF main motor error During driving the motor, the lock signal is detected for 1 s continuously.	CF main motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Folding to check the finisher operation (see page 1-3-104). 2. Manipulate the conveying roller to check it can smoothly rotate. 3. Check that the drive from the motor reaches the conveying roller. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF main motor and CF main PWB (YC16) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF main motor.
		CF main PWB	Replace the CF main PWB
8370	CF staple motor error 2 Staple JAM (DF) has been detected twice in a row. (The second JAM detection condition fulfilled with a lock detection signal maintained 1 V for 1000 ms continuously, while the stapler motor was driven.)	CF staple motor	<ol style="list-style-type: none"> 1. Execute Booklet - Staple of U240 finisher operation check (see page 1-3-104). 2. Manipulate the staple up and down check it is smoothly operable. 3. Check that the drive from the motor reaches the staple unit. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF staple unit and CF main PWB (YC13) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the CF staple unit.
		CF main PWB	Replace the CF main PWB.

Code	Contents	Related parts	Check procedures/ corrective measures
8410	Punch slide motor error 1 The punch slide sensor won't turn On when home position has been moved by 30 mm.	Punch slide motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Punch Move to check the finisher operation (see page 1-3-104). 2. Manipulate the punch slide part of the punch unit back and forth to check it can smoothly move. 3. Check that the drive from the motor reaches punch part. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide motor and Punch PWB (YC3) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch slide motor.
		Punch slide sensor	<ol style="list-style-type: none"> 1. Execute U241 Punch - Punch HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide sensor and Punch PWB (YC6) 4. Replace the punch slide sensor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8420	Punch slide motor error 2 In detection of paper edges, the paper edge cannot be detected in 30 mm move.	Punch slide motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Punch Move to check the finisher operation (see page 1-3-104). 2. Manipulate the punch slide part of the punch unit back and forth to check it can smoothly move. 3. Check that the drive from the motor reaches punch part. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide motor and Punch PWB (YC3) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch slide motor.
		Punch paper edge sensor 1,2	<ol style="list-style-type: none"> 1. Execute U241 Punch - Edge Face 1,2,3,4 to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch paper edge sensor 1,2 and Punch PWB (YC5,YC7) 4. Replace the punch paper edge sensor 1,2.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. Replace the Punch PWB.
		DF main PWB	Replace the DF main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8430	Punch unit communication error Communication with the punch unit is not possible.	Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC7) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Punch PWB.
		DF main PWB	Replace the DF main PWB
8500	Mailbox communication error Communication failed to be established after the mailbox was hooked up.	MB main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, turn it on. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MB main PWB (YC3) and DF main PWB (YC6) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the MB main PWB
		DF main PWB	Replace the DF main PWB
8510	MB conveying motor error 1 When initial operation, MB home position sensor does not turn on within 5 s.	MB conveying motor	<ol style="list-style-type: none"> 1. If the transfer roller won't rotate smoothly, repair its mechanism. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MB conveying motor and MB main PWB (YC5) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the MB conveying motor.
		MB home position sensor	<ol style="list-style-type: none"> 1. Execute U241 Mail Box - Motor HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MB home position sensor and MB main PWB (YC2) 4. Replace the MB home position sensor.
		MB main PWB	Replace the MB main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8520	MB conveying motor error 2 When standby operation, MB home position sensor does not turn off within 1 s.	MB conveying motor	<ol style="list-style-type: none"> 1. Execute Mail Box - Conv of U240 finisher operation check (see page 1-3-104). 2. Manipulate the conveying roller of the mailbox to check it can smoothly rotate. 3. Check that the drive from the motor reaches the conveying roller. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MB conveying motor and MB main PWB (YC5) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the MB conveying motor.
		MB home position sensor	<ol style="list-style-type: none"> 1. Execute U241 Mail Box - Motor HP to check the finisher switch (see page 1-3-106). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. MB home position sensor and MB main PWB (YC2) 4. Replace the MB home position sensor.
		MB main PWB	Replace the MB main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
8800	Document finisher main program error Document finisher main program error at power up.	DF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF main PWB (YC4) and Engine PWB (YC18) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DF main PWB
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
8900	Document finisher backup error Read and write data does not match 3 times in succession.	DF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF main PWB (YC4) and Engine PWB (YC18) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DF main PWB
8930	Center-folding unit backup error Read and write data does not match 3 times in succession.	CF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CF main PWB (YC7) and DF main PWB (YC9) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Install the EEPROM properly. 4. Replace the CF main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
9000	Document processor communication error Communication with the document processor is not possible.	DP main PWB	<ol style="list-style-type: none"> 1. Check that the versions of the main unit firmware and the DP firmware are identical. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP main PWB(YC1) and ISC PWB(YC12) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the DP main PWB
		ISC PWB	Replace the ISC PWB.
9010	Coin vender communication error A communication error from coin vender is detected 10 times in succession.	U206 setting	Set maintenance mode U206 to off when a coin vender is not installed (see page 1-3-96).
		Coin vender control PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Coin vender control PWB and Engine PWB (YC23) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Coin vender control PWB.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).

Code	Contents	Related parts	Check procedures/ corrective measures
9040	DP lift motor going up error When the DP lift motor is driven, DP lift sensor 1 does not turn on within 1500 pulse. (Three recovery times.) The above has been detected 5 times.	DP lift motor	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-169). 2. Execute U243 Lift Motor to check the DP motor operation (see page 1-3-109). 3. Check that the original document lift guide can move upwards. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift motor and DP main PWB (YC5) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DP lift motor.
		DP lift sensor 1	<ol style="list-style-type: none"> 1. Execute U244 Lift L-Limit to check DP switch (see page 1-3-110). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift sensor 1 and DP main PWB (YC4) 4. Replace the DP lift sensor 1.
		DP main PWB	Replace the DP main PWB

Code	Contents	Related parts	Check procedures/ corrective measures
9050 DP lift motor going down error When the DP lift motor is driven, DP lift sensor 2 does not turn on within 1500 pulse. (Three recovery times.) The above has been detected 5 times.		DP lift motor	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-169). 2. Execute U243 Lift Motor to check the DP motor operation (see page 1-3-109). 3. Check that the original document lift guide can move downwards. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift motor and DP main PWB (YC5) If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DP lift motor.
		DP lift sensor 2	<ol style="list-style-type: none"> 1. Execute U244 Lift L-Limit to check DP switch (see page 1-3-110). 2. Confirm that the DP lift sensor 2 has been firmly fitted. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift sensor 2 and DP main PWB (YC2) 4. Replace the DP lift sensor2.
		DP main PWB	Replace the DP main PWB
9060 DP EEPROM error Mismatch of reading data from two locations occurs 3 times successively. Mismatch between writing data and reading data occurs 3 times successively.		DP main PWB	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-169). 2. Confirm that the EEPROM has been properly installed. 3. Replace the DP main PWB
		Device damage of EEPROM	Contact the Service Support.
9070 Communication error between DP and SHD A communication error is detected.		DP SHD PWB	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-169). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP SHD PWB (YC1) and DP main PWB (YC10) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the DP SHD PWB.

Code	Contents	Related parts	Check procedures/ corrective measures
9080	LED fault detection A block is existent below a peak which was obtained by activating the LEDs in the four CIS blocks at power on, which is less than 80hex.	DP CIS	<ol style="list-style-type: none"> Execute CIS automatic original document alignment by U411 (see page 1-3-139). Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CIS and DP SHD PWB (YC1) DP SHD PWB (YC1) and DP main PWB (YC10) If the wiring is disconnected, shorted or grounded, replace the wiring. Replace the CIS and execute U411.
		DP SHD PWB	Replace the DP SHD PWB.
9100	Coin vender control PWB error Communication error has been detected at the coin mec of the coin vender control PWB.	Coin vender control PWB	Replace the coin mec.
9110	Coin vender rejector error Communication error has been detected in connection with the coin mec and the rejector.	Rejector	<ol style="list-style-type: none"> Check that the rejector is firmly installed and, if not, install firmly. Replace the rejector.
9120	Sensor error in coin vender change (Yen 10) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Contact in the connector	Check the connection of the empty change sensor.
		Change empty sensor	Replace the coin mec.
		Coin vender control PWB	Replace the coin mec.
9130	Sensor error in coin vender change (Yen 50) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Contact in the connector	Check the connection of the empty change sensor.
		Change empty sensor	Replace the coin mec.
		Coin vender control PWB	Replace the coin mec.

Code	Contents	Related parts	Check procedures/ corrective measures
9140	Sensor error in coin vender change (Yen 100) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Contact in the connector	Check the connection of the empty change sensor.
		Change empty sensor	Replace the coin mec.
		Coin vender control PWB	Replace the coin mec.
9150	Sensor error in coin vender change (Yen 500) Change is empty despite change is enough.	Change tube	Check no exchange jam is observed at the outlet and, if necessary, repair it.
		Contact in the connector	Check the connection of the empty change sensor.
		Change empty sensor	Replace the coin mec.
		Coin vender control PWB	Replace the coin mec.
9160	Coin vender pay-out error Coin is paid out despite the pay-out motor is determined not active.	Pay-out motor	Replace the coin mec.
9170	Coin vender pay-out sensor error Coin is paid out despite the pay-out motor is determined not active.	Pay-out area	Check no exchange jam is observed at the outlet and, if necessary, repair it.
		Pay-out motor	Replace the coin mec.
		Pay-out sensor	Replace the coin mec.
9200	DP SSW communication error The SSW has received the invalid communication commands 3 times continuously.	DF main PWB	<ol style="list-style-type: none"> 1. Check that the versions of the main unit firmware and the DP firmware are identical. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP main PWB(YC1) and ISC PWB(YC12) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the DP main PWB.
		ISC PW	Replace the ISC PWB

Code	Contents	Related parts	Check procedures/ corrective measures
9210	DP SSW sensor error Presence of paper has been detected for 10msec continuously while the SSW has determined the emptiness or presence of paper.	DP multi feed sensor	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP multi feed sensor and DP main PWB (YC11) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DP multi feed sensor.
		DP main PWB	Replace the DP main PWB.
9220	DP SSW backup error 1. The write data and read data do not match for three times during writing. 2. Block erasure has been failed 3 times. 3. Writing has not been completed after 200msec since writing has commenced.	DP main PWB	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP main PWB(YC1) and ISC PWB(YC12) ISC PWB (YC3) and Main PWB (YC11) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DP main PWB.
9500	ISC PWB error A	Main PWB ISC PWB	1. Reinsert the connector if its connection is loose. Main PWB (YC25) and ISC PWB (YC4) 2. Replace the main PWB (see page 1-5-51). 3. Replace the ISC PWB 4. Contact the Service Support.
9510	ISC PWB error B	Main PWB DP SHD PWB	1. Reinsert the connector if its connection is loose. DP relay PWB (YC2) and DP SHD PWB (YC3) 2. Replace the main PWB (see page 1-5-51). 3. Replace the DP SHD PWB. 4. Contact the Service Support.
9520	ISC PWB error C	Main PWB ISC PWB	1. Reinsert the connector if its connection is loose. Main PWB (YC25) and ISC PWB (YC4) 2. Replace the main PWB (see page 1-5-51). 3. Replace the ISC main PWB 4. Contact the Service Support.

Code	Contents	Related parts	Check procedures/ corrective measures
F000	Communication error between Main PWB and Operation PWB	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the wirings and connectors between the main PWB and the operation PWB and between the main PWB and the HDD are normal. Main PWB (YC12,YC17,YC30) and Operation PWB (YC1,YC2,YC3) 3. Check that the DDR memories in the main PWB are well conducted and, if not, replace. 4. Execute U024 to initialize (FULL) the HDD (see page 1-3-28). 5. Execute U021 initialize memory. (see page 1-3-27) 6. Replace the Main PWB. 7. Copy the log File saved in the HDD by U964 in USB memory and contact the service support (see page 1-3-180).
		Operation PWB	Replace the operation PWB (see page 1-5-63).
F010	Main PWB checksum error	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. If not corrected, replace the main PWB (see page 1-5-51).

Code	Contents	Related parts	Check procedures/ corrective measures
F040	Communication error between Main PWB and Print engine	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Repair or replace the wire from the engine PWB, that may be grounded. (Check short-circuit between 5V and 3.3V.) 3. Check that the FFC wire connecting between the Main PWB (YC3) and the engine PWB (YC46) is normal and, if necessary, re-insert. Or, replace the FFC wire. 4. If not corrected, replace the main PWB (see page 1-5-51).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-57).
		HDD	Replace the HDD (see page 1-5-106).
F041	Communication error between Main PWB and Scanner engine	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the wires between the main PWB and the ISC PWB are normal. 3. If not corrected, replace the main PWB (see page 1-5-51).
		ISC PWB	Replace the ISC PWB.
F050	Print engine ROM checksum error	Engine software	Install the latest engine software.
		Engine PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Confirm that the EEPROM has been properly installed. 3. If not corrected, Replace the engine PWB (see page 1-5-57).
F051	Scanner engine ROM checksum error	Scanner software	Install the latest scanner software.
		ISC PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Confirm that the EEPROM has been properly installed. 3. If not corrected, Replace the ISC PWB.
F278	Power supply in drive system error	The main power switch was turned off before the power switch is pressed. Shutdown due to a power failure	Turn the main power switch off and after 5 seconds, then turn power on. (Before turning power off, verify that the power key has been pressed and the power indicator has gone off, then switch the main power switch.)

(3) System Error (Fxxxx) Outline

The document is subscribed to describe the outline of the factors of the Fxxx errors that are not described in the

service manual. Please utilize it to refer to checking the factors.

Please utilize it as the measures when the system is not recovered after power off/on or it frequently occurs.

It may be from the hardware factor while the error (Fxxx) is indicated.

Please initially check the following.

Check the DDR2 memory and neighboring parts:

Check the contact of YS1 or YS2 with the memory. Replace the memory if the error repeats.

Check the HDD if the error repeats after replacing the main board.

Take care, however, of handling the data when formatting or replacing the HDD.

Check the HDD : Replace the HDD if the error repeats after formatting the HDD.

No.	Content	Check procedure & check point	Remark 1	Remark 2
-	Lock-up at Welcome display (The display unchanges after 3 minutes 30 seconds or more)	<ol style="list-style-type: none"> 1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching, and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) 4) Execute the U021Memory initializing to initialize the controller backup memory and check function. 5) Replace the panel board and check function. 6) Replace the main board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division. 	*User data and installed software is deleted if executing the U024. Reinstallation is required.	<p>[Main - Panel Interface] Main bord:YC12, YC1,YC30 Panel board:YC1,YC2,YC3</p> <p>[Main - HDD] Main board:YC1,YC2</p>
F000	CF000 appears in 3minutes 30 seconds after the Welcome display continues Panel—Main board communication error	<ol style="list-style-type: none"> 1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching, and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) 4) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 5) Replace the main board and check function. 6) Replace the Panel board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division. 		<p>[Main-Panel Interface] Mainboard: YC12,YC17,YC30 Panel borad: YC1,YC2,YC3</p> <p>If the LEDs are in the state belwo when the F000 appears, the DDR2 memory failure may be the cause. Check contact of theYS1 or YS2 with the memory. Memory LED turned on</p>
F10X	An error is detected at OS or some of device drivers.	<ol style="list-style-type: none"> 1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division. 		
F11X				
F12X	An error is detected at the Scan control section	<ol style="list-style-type: none"> 1) Check connection of the harness (Scan/DP - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division. 		<p>[Main-Scan Interface] Main board:YC11,YC25 ISC board:</p> <p>[Main-DP relay Interface] (Check if the boards are firmly connected via the board-to-board connector.) Main board:YC10 DP relay board:YC4</p>
F13X	An error is detected at the Panel control section	<ol style="list-style-type: none"> 1) Check connection of the harness (Panel - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the panel board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division. 		<p>[Main-Panel Interface] Main board:YC12,YC17,YC30 Panel board:YC1,YC2,YC3</p>
F14X	An error is detected at the FAX control section	<ol style="list-style-type: none"> 1) Check connection of the harness (FAX - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take cae of the received data since it is cleared) 5) Replace the FAX_DIMM and check function. 6) Replace the FAX board and check function. 7) Replace the main board and check function. 8) Retrieve the USBLOG and contact the Service Administrative Division. 		<p>F14A,F14F: KUIO error Main board (USB hub)</p> <p>[Main-KUIO Interface] Main board:YC8,YC9 KUIO board:YC3,YC4</p>
F15X	An error is detected at the authentication device control section	<ol style="list-style-type: none"> 1) Check connection of the harness (Authentication device - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division. 	Authentication device: Card Reader, etc.	
F17X	An error is detected at the print data control section	<ol style="list-style-type: none"> 1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division. 		
F18X	An error is detected at the Video control section	<ol style="list-style-type: none"> 1) Check connection of the harness (Engine - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the engine board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division. 		<p>[Main⇄ENGINE Interface] Main board:YC3 Engine board:YC46 or YC50</p>
F19X	An error is detected at the OS or some of device drivers	<ol style="list-style-type: none"> 1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division. 		
F1AX				
F1BX	An error is detected at the Security management section	<ol style="list-style-type: none"> 1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division. 		

No.	Content	Check procedure & check point	Remark 1	Remark 2
F1CX	An error is detected at the File System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*The F1C4 error appears with the HDD security kit at work.	
F1DX	An error is detected at the Image memory management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*The F1D4 error is RAM allocation error. 1) Check it with the U340 2) Initialize the setting valued with the U021	
F1EX	An error is detected at the OS or some of device drivers	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F1FX				
F20X				
F21X	An error is detected at the Image processing section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		[DDR2 memory contact check] Main board:YS1 or YS2 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not
F22X				
F23X				
F24X	An error is detected at the System management section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	*The F248 error is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG.	[DDR2 memory contact check] Main board:YS1 or YS2 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not sensitive.
F25X	An error is detected at the Network management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division. (or retrieve the packet capture data depending on the result of analysis)	*This may be owing to the users network environment.	
F26X	An error is detected at the System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F27X				
F28X				
F29X				
F2AX				
F2BX	An error is detected at the Network control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division. (or retrieve the packet capture data depending on the result of analysis)		
F2CX				
F2DX				
F2EX				
F2FX				
F30X				
F31X				
F32X				
F33X	An error is detected at the Scan management section	1) Check connection of the harness (Scan/DP board - main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		
F34X	An error is detected at the Panel management section	1) Check connection of the harness (Panel board - main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the panel board and check function 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		
F35X	An error is detected at the Print control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F36X	An error is detected at the Print management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F37X	An error is detected at the FAX management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take care of the received data since it is cleared) 4) Replace the FAX_DIMM and check function. 5) Replace the main board and check function. 6) Replace the HDD and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.		F14A,F14F:KUIO error Main board (USB hub) [Main-KUIO Interface] Main board: YC8,YC9 KUIO board: YC3,YC4

No.	Content	Check procedure & check point	Remark 1	Remark 2
F38X	An error is detected at the Authentication/permit management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F3AX F3BX F3CX F3DX F3EX F3FX F40X F41X F42X F43X F44X F45X	An error is detected at the Entity management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F46X	An error is detected at the Print image process section	1) Replace the main board and check function. 2) Retrieve the USBLOG (or retrieve the print capture data by case)	*The F46F is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG.	
F47X F48X F49X	An error is detected at the Image edit process control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4AX F4CX	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4DX F4EX	An error is detected at the Entity control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4FX	An error is detected at the Job control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F50X	An error is detected at the FAX control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F51X F52X F53X F55X F56X F57X	An error is detected at the Job execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F58X F59X F5AX F5BX F5CX F5DX F5EX	An error is detected at the Service management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F5FX	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F60X	An error is detected at the Maintenance mode management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F61X	An error is detected at the Report compiling section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F62X	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		

No.	Content	Check procedure & check point	Remark 1	Remark 2
F63X	An error is detected at the Device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F64X	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting)		
F65X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F66X		3) Replace the main board and check function.		
F67X		4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F68X	An error is detected at the Storage device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*F684 is Overwrite error with the HDD security kit	
F69X	An error is detected at the HyPAS control section	1) Format the HDD and check function. (U024 FULL formatting)		
F6AX		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F6BX		3) Replace the main board and check function.		
F6CX		4) Replace the HDD and check function.		
F6DX		5) Retrieve the USBLOG and contact the Service Administrative Division.		
F6EX	An error is detected at the External Server management section	1) Check the external server and check function.	*FieryOption related	
F6FX		2) Check the connection to the external server and check function.		
F70X		3) Check the network settings and check function.		
F71X		4) Replace the bridge board and check function.		
F72X		5) Replace the main board and check function.		
F73X		6) Retrieve the USBLOG and contact the Service Administrative Division.		
F74X				
F75X				

1-4-4 Image formation problems

Isolate the component an image defect has occurred from.

<A guide to isolate the component of the cause.>

Run U089 to print a test page and check whether an image defect happens.

YES: Main unit as the cause of defect

NO: Scanner as the cause of defect

Perform enlarged or reduced copying and verify if the defective images are enlarged or reduced, accordingly.

YES: Scanner as the cause of defect

1. Scanner as the cause of defect:

If the defect occurs with copying or sending, refer to P.1-4-169.

(Defects caused by a reading error that occurs at the original (glass) LED lamp to CCD (DP: CIS).)

Isolate the problem at the location that the originals are scanned.

a. Single side DP (read by Main CCD)

b. On the contact glass (read by Main CCD)

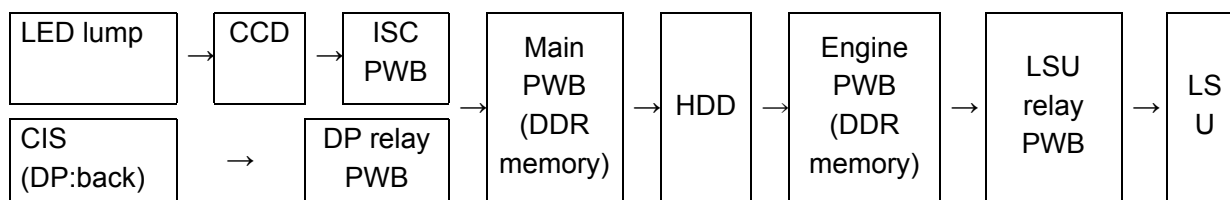
c. Back side DP (For DPs mounted with CIS)

2. Main unit as the cause of defect: refer to P. 1-4-207.

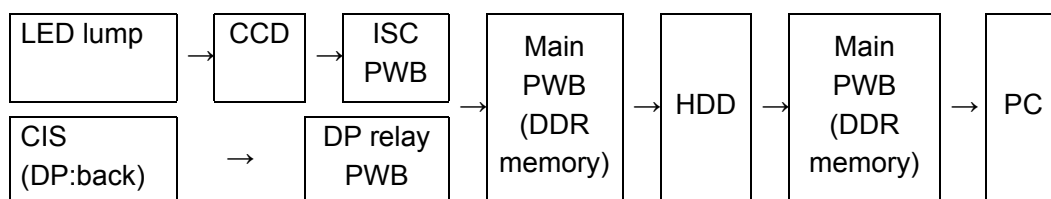
(A defect of image forming occurs from the rendering process that involves charging, drum, LSU, developer, and primary transferring.)

<Flow of image data>

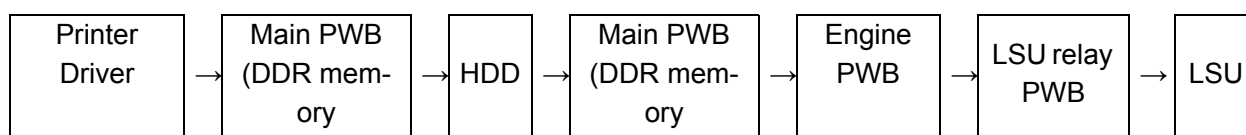
Copying :



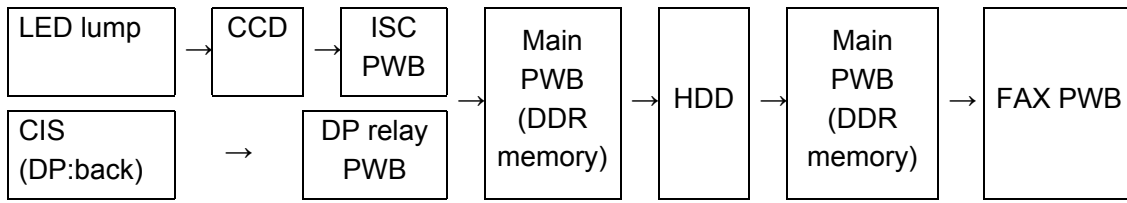
Sending :



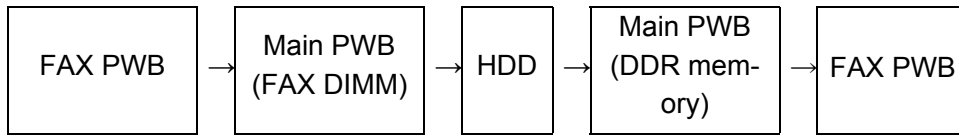
Printing data from PC :



FAX (send) :



FAX receive :



1-4-5 Poor image (due to DP and scanner reading)

(1) No image appears (entirely white).



See page1-4-170

(2) No image appears (entirely black).



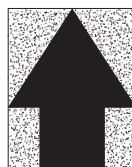
See page1-4-172

(3) Image is too light.



See page1-4-173

(4) The background is colored.



See page1-4-177

(5) White streaks are printed vertically.



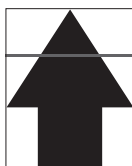
See page1-4-179

(6) Black streaks appear longitudinally.



See page1-4-181

(7) Streaks are printed horizontally.



See page1-4-184

(8) One side of the print image is darker or brighter than the other.



See page1-4-187

(9) Black dots appear on the image.



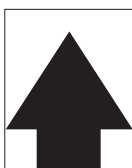
See page1-4-189

(10) Image is blurred.



See page1-4-190

(11) The leading edge of the image is consistently misaligned with the original.



See page1-4-193

(12) Part of image is missing.



See page1-4-195

(13) Image is out of focus.



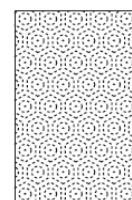
See page1-4-197

(14) Image center does not align with the original center.



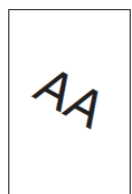
See page1-4-200

(15) Moires



See page1-4-201

(16) Skewed image

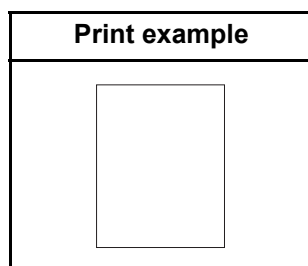


See page1-4-203

(17) Abnormal image



See page1-4-205

(1) No image appears (entirely white).

1. Table scanning

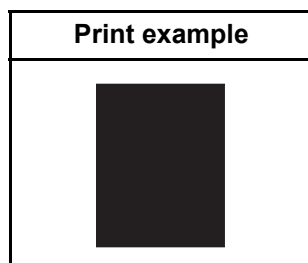
	Defective part	Check description	Corrective Action
1	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
2	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
3	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
4	Scanner wire drum	Check that the scanner drive gear is loosely mounted.	If the scanner wire drum is loosely mounted, secure the screws.
5	Scanner drive gear	Check that the scanner drive gear is loosely mounted.	If the scanner drive gear loosely mounted, secure the screw.
6	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
7	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
8	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	Verify the sides of the original document.	If the sides of the original document are reversed, place the original document properly.
2	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
3	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
5	Scanner wire drum	Check that the scanner wire drum is loosely mounted.	If the scanner wire drum is loosely mounted, secure the screws.
6	Scanner drive gear	Check that the scanner drive gear is loosely mounted.	If the scanner drive gear loosely mounted, secure the screw.
7	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
8	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Verify the sides of the original document.	If the sides of the original document are reversed, place the original document properly.
2	White-reference roller(Counter the CIS)	Check that the white-reference roller is smoothly operative.	If the white-reference roller does not rotate smoothly, re-install.
3	White-reference roller(Counter the CIS)	Check if the white reference roller is contaminated on its surface or damaged.	If the white-reference roller is dirty, clean. Or, if the roller is damaged, replace.
4	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
5	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
6	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
7	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(2) No image appears (entirely black).

1. Table scanning

	Defective part	Check description	Corrective Action
1	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
2	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
3	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
4	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

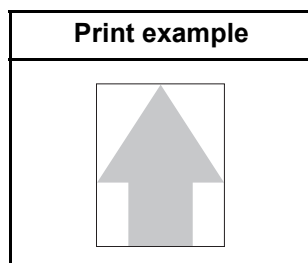
	Defective part	Check description	Corrective Action
1	Scanning position of the DP	Confirm the value using maintenance mode U068, DP Read.	If a large value is observed in maintenance mode U068, DP Read, perform adjustment.(see page 1-3-52)
2	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
3	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
5	ISC PWB	The ISC PWB is defective.	replace the ISC PWB and perform U411. (see page 1-3-139)

	Defective part	Check description	Corrective Action
6	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
2	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
3	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
4	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(3) Image is too light.



1. Table scanning

	Defective part	Check description	Corrective Action
1	The settings of the adjustment of density	Check the settings of the adjustment of density.	<ol style="list-style-type: none"> 1. Deactivate EcoPrint if it is activated. Or, if the density is too low, choose an image quality that suits the original document in type. 2. Increase density. 3. Perform the background color adjustment using the system menu.
2	Settings of anti-offset	Check the settings of anti-offset.	If anti-offset is set to on, set it to off.
3	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, table(Chart1)_All. (see page 1-3-139)
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.

	Defective part	Check description	Corrective Action
5	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
6	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
7	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
8	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
9	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
10	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
11	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
12	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

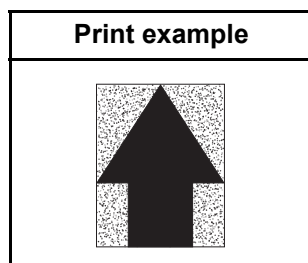
	Defective part	Check description	Corrective Action
1	The settings of the adjustment of density	Check the settings of the adjustment of density.	<ol style="list-style-type: none"> 1. Deactivate EcoPrint if it is activated. Or, if the density is too low, chosse an image quality that suits the original docuement in type. 2. Increase density. 3. Perform the background color adjustment using the system menu.
2	Settings of anti-off-set	Check the settings of anti-offset.	If anti-offset is set to on, set it to off.
3	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceUp(Char1)_Input(see page 1-3-139)
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
5	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
6	Scanning position of the DP	Check whether the scanning position of the DP is wrong.	If the scanning position of the DP is shifted, perform maintenance mode U068, DP Read.(see page 1-3-52)

	Defective part	Check description	Corrective Action
7	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
8	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
9	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
10	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
11	ISC PWB	The ISC PWB is defective.	replace the ISC PWB and perform U411. (see page 1-3-139)
12	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
13	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	The settings of the adjustment of density	Check the settings of the adjustment of density.	<ol style="list-style-type: none"> 1. Deactivate EcoPrint if it is activated. Or, if the density is too low, choose an image quality that suits the original document in type. 2. Increase density. 3. Perform the background color adjustment using the system menu.
2	Settings of anti-off-set	Check the settings of anti-offset.	If anti-offset is set to on, set it to off.
3	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceDown(Char1)_All (see page 1-3-139)
4	White-reference roller(Counter the CIS)	Check that the white-reference roller is smoothly operative.	If the white-reference roller does not rotate smoothly, re-install.
5	White-reference roller(Counter the CIS)	Check if the white reference roller is contaminated on its surface or damaged.	If the white-reference roller is dirty, clean. Or, if the roller is damaged, replace.
6	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.

	Defective part	Check description	Corrective Action
7	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
8	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(4) The background is colored.

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	1. Check if the background density of the original document is too dense. 2. Check if the original document is floated during scanning.	1. If the background density of the original document is too dense, perform automatic background adjustment. Or, adjust density with background adjustment. 2. If the original document is floated during scanning, press down the original document.
2	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, table(Chart1)_All. (see page 1-3-139)
3	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
4	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
5	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
6	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
7	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
8	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
9	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
10	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
11	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)

	Defective part	Check description	Corrective Action
12	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

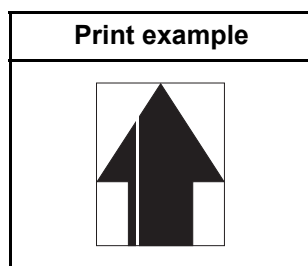
2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	1. Check if the background density of the original document is too dense. 2. Check if the original document is floated during scanning.	1. If the background density of the original document is too dense, perform automatic background adjustment.Or, adjust density with background adjustment. 2. Adjust the location the DP is mounted.
2	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceDown(Char1)_All. (see page 1-3-139)
3	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
4	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
5	Home position sensor	Check the location the Home position sensor is mounted.	Re-mount the Home position sensor if it is hanged off.
6	Installing DP	Check whether the DP frame is distorted or the hinges are damaged.	Replace the DP.
7	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if it its connection is loose. Or, if conduction is lot, replace the wire.
8	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if it its connection is loose. Or, if conduction is lot, replace the wire.
9	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
10	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
11	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
12	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
13	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	1. Check if the background density of the original document is too dense. 2. Check if the original document is floated during scanning.	1. If the background density of the original document is too dense, perform automatic background adjustment.Or, adjust density with background adjustment. 2. Adjust the location the CIS unit is mounted.
2	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceUp(Char1)_All. (see page 1-3-139)
3	White-reference roller(Counter the CIS)	Check that the white-reference roller is smoothly operative.	If the white-reference roller does not rotate smoothly, re-install.
4	White-reference roller(Counter the CIS)	Check if the white reference roller is contaminated on its surface or damaged.	If the white-reference roller is dirty, clean. Or, if the roller is damaged, replace.
5	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
6	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
7	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
8	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(5) White streaks are printed vertically.



1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.

	Defective part	Check description	Corrective Action
3	Mirror	Check whether the mirrors are dirty.	If the mirrors are dirty, clean the three mirrors.
4	Lamp unit	Check that the lamp unit is contaminated with dusts.	If dusts are observed on the lamp unit, remove the dusts in the light paths.
5	Lamp unit	Check whether the LED cover is hanged off.	Re-mount the LED cover if it is hanged off.
6	ISU	Check whether the lens cover is hanged off.	Re-mount the lens cover if it is hanged off.
7	Shading plate	Check whether the shading plate is dirty.	If the shading plate is dirty, perform maintenance mode U063 to modify the shading position. If it does not cure, replace the contact glass assembly. (see page 1-3-47)
8	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
9	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
10	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

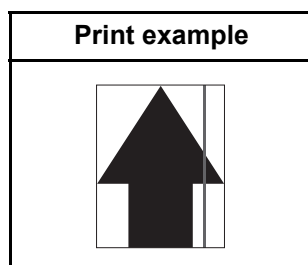
	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
3	Mirror	Check whether the mirrors are dirty.	If the mirrors are dirty, clean the three mirrors.
4	Lamp unit	Check that the lamp unit is contaminated with dusts.	If dusts are observed on the lamp unit, remove the dusts in the light paths.
5	Lamp unit	Check whether the LED cover is hanged off.	Re-mount the LED cover if it is hanged off.
6	ISU	Check whether the lens cover is hanged off.	Re-mount the lens cover if it is hanged off.
7	Shading plate	Check whether the shading plate is dirty.	If the shading plate is dirty, perform maintenance mode U063 to modify the shading position. If it does not cure, replace the contact glass assembly. (see page 1-3-47)
8	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)

	Defective part	Check description	Corrective Action
9	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
10	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	White-reference roller (Counter the CIS)	Check if the white reference roller is contaminated on its surface or damaged.	If the white-reference roller is dirty, clean. Or, if the roller is damaged, replace.
2	DP_CIS glass	Check whether the CIS glass is contaminated.	If the CIS glass is contaminated, clean the CIS glass and conveying guide. If it has a scuff, replace.
3	White streaks compensation settings	Check the white streaks compensation settings.	Check the white streaks compensation settings.
4	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
5	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
6	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
7	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(6) Black streaks appear longitudinally.



1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.

	Defective part	Check description	Corrective Action
2	Original document	Check if the size of the original document and its reference size match.	If the size of the original document and its reference size do not match, set the correct document size or activate border erasure.
3	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
4	Adjustment of the scanner	Check whether the outer areas of the original document have streaks or lines.	1. Perform maintenance mode U067, Front.(see page 1-3-51) 2. Perform maintenance mode U411, table (Chart1)_Input. (see page 1-3-139)
5	Contact glass	Check whether the outer areas of the original document have streaks or lines.	If the contact glass is dirty, clean.
6	mirror	Check whether the mirrors are dirty.	If the mirrors are dirty, clean the three mirrors.
7	Lamp unit	Check that the lamp unit is contaminated with dusts.	If dusts are observed on the lamp unit, remove the dusts in the light paths.
8	CCD sensor	Check that the CCD sensor glass is contaminated with dusts.	If dusts are observed on the CCD sensor glass,remove the dusts by an air blower.
9	Shading plate	Check whether the shading plate is dirty.	If the shading plate is dirty, perform maintenance mode U063 to modify the shading position. If it does not cure, replace the contact glass assembly. (see page 1-3-47)
10	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
11	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
12	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Original document	Check if the size of the original document and its reference size match.	If the size of the original document and its reference size do not match, set the correct document size or activate border erasure.
3	Scanning position of the DP	Check whether the scanning position of the DP is wrong.	If the scanning position of the DP is shifted, perform maintenance mode U068, DP Read. (see page 1-3-52)

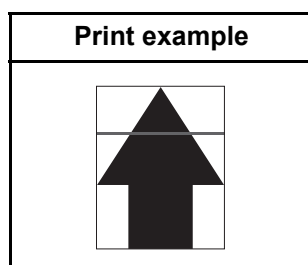
	Defective part	Check description	Corrective Action
4	Adjustment of the scanner	Check whether the outer areas of the original document have streaks or lines.	1. Perform maintenance mode U072, Front. (see page 1-3-57) 2. Perform maintenance mode U411, DP Auto Adj. 3. Perform maintenance mode U411, DP FaceUp(Char2)_Input. (see page 1-3-139)
5	Slit glass, Contact glass	Check whether the slit glass and contact glass are dirty.	If the slit glass and contact glass are dirty, clean the contact glass, the slit glass, the bottom part of the shading plate, and the conveying guide.
6	Mirror	Check whether the mirrors are dirty.	If the mirrors are dirty, clean the three mirrors.
7	Lamp unit	Check that the lamp unit is contaminated with dusts.	If dusts are observed on the lamp unit, remove the dusts in the light paths.
8	CCD sensor	Check the dust on the CCD sensor glass.	Check whether the CCD sensor glass is stuck with dusts, and if necessary, remove the dusts by an air blower.
9	Shading plate	Check whether the shading plate is dirty.	If the shading plate is dirty, perform maintenance mode U063 to modify the shading position. If it does not cure, replace the contact glass assembly. (see page 1-3-47)
10	ISC PWB	The ISC PWB is defective.	replace the ISC PWB and perform U411. (see page 1-3-139)
11	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
12	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Adjustment of the scanner	Check if the outer areas of the original document have streaks or lines.	1. Perform maintenance mode U072, CIS. (see page 1-3-57) 2. Perform maintenance mode U411, DP Auto Adj. 3. Perform maintenance mode U411, DP FaceDown(Char1)_All. (see page 1-3-139)
2	DP_CIS glass	Check whether the CIS glass of the DP is contaminated.	If the CIS glass of the DP is contaminated, clean. Or, if it has scuffs, replace.
3	DP guide plate	Check whether the DP guide plate is dirty.	If the guide plate is dirty, clean the guide plate and the conveying guide.

	Defective part	Check description	Corrective Action
4	DP regist pulley	The DP regist pulley is contaminated.	Clean the DP regist pulley.
5	White-reference roller(Counter the CIS)	Check if the white reference roller is contaminated on its surface or damaged.	If the white-reference roller is dirty, clean. Or, if the roller is damaged, replace.
6	White streaks compensation settings	Check the white streaks compensation settings.	If the white streaks compensation is insufficient, perform maintenance mode U091.(see page 1-3-62)
7	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
8	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
9	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
10	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(7) Streaks are printed horizontally.



1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
3	Ajusting scanner	Check that the image at the back of the size indicator has been rendered.	<ol style="list-style-type: none"> 1. If the image at the back of the size indicator, has been rendered perform maintenance mode U066, Front. (see page 1-3-50) 2. Perform maintenance mode U411, Table(Char1)_Input.(see page 1-3-139)

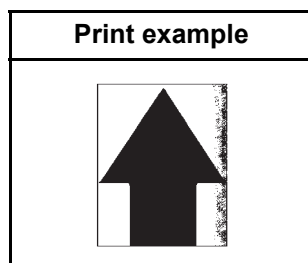
	Defective part	Check description	Corrective Action
4	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
5	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
6	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
7	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
8	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
3	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	FFC cable LED	Check the FFC cable between the LED PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
5	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
6	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
7	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
8	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	DP_CIS glass	Check whether the CIS glass of the DP is contaminated.	If the CIS glass of the DP is contaminated, clean. Or, if it has scuffs, replace.
3	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
4	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
5	DP_SATA cable	Check the FFC cable between the SHD PWB and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
6	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
7	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(8) One side of the print image is darker or brighter than the other.

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Original document	Check if the original document has creases or foldings or wrinkles.	If the original document has foldings or creases, remove them.
3	Position of the mat of the platen	Check whether the position of the mat of the DP or the platen is wrong.	If the position of the mat of the DP or the platen is shifted, re-mount.
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
5	Contact glass assy	Check the location the contact glass is mounted.	If the light guide panel has been fallen off of the mounting position, fix it properly.
6	Lamp unit	Check the position at which the light guide panel is mounted.	If the contact part of the lamp unit and the rail is distorted, replace the lamp unit.
7	Mirror	Check whether the mirrors are dirty.	If the mirrors are dirty, clean the three mirrors.
8	ISU	Check the location the ISU unit is mounted.	Insert a spacer between the scanner unit and the ISU to change the height. (see page 1-5-27)
9	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.(see page 1-3-139)
10	LED Assy	Check the mounting position of the reflector board or if it is distorted.	If the LED assy is hanged off of the mounting position of the reflector or it is deformed, replace the LED assy.
11	Lamp unit	Check that the contact part of the lamp unit and the rail is distorted.	If the contact part of the lamp unit and the rail is distorted, replace the lamp unit.
12	Mirror unit	Check the location the mirror is mounted.	Re-mount the mirror if it is hanged off. Or, if the mirror is damaged, replace.

	Defective part	Check description	Corrective Action
13	Mirror unit	Check that the contact part of the mirror unit and the rail is distorted.	If the contact part of the mirror unit and the rail is distorted, replace the mirror unit.
14	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
15	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
16	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

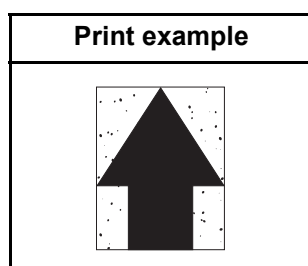
	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Original document	Check if the original document has creases or foldings or wrinkles.	If the original document has foldings or creases, remove them.
3	DP scanning guide	Check that the scanning guide is smoothly operative.	If the scanning guide does not rotate smoothly, re-install.
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
5	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
6	LED PWB	Check that the LED is lit.	If the LED is not lit, replace the LED PWB and perform U411.
7	ISC PWB	The ISC PWB is defective.	replace the ISC PWB and perform U411. (see page 1-3-139)
8	CCD PWB	The CCD PWB is defective.	Replace the ISU PWB and perform U411. (see page 1-3-139)
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Original document	Check if the original document has creases or foldings or wrinkles.	If the original document has foldings or creases, remove them.

	Defective part	Check description	Corrective Action
3	White-reference roller(Counter the CIS)	Check that the white-reference roller is smoothly operative.	If the white-reference roller does not rotate smoothly, re-install.
4	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(9) Black dots appear on the image.



1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
3	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

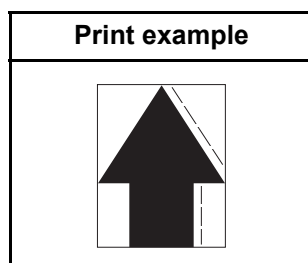
	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.

	Defective part	Check description	Corrective Action
2	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
3	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is dirty.	If the original document is dirty, replace.
2	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
3	DP_SATA cable	Check the FFC cable between the SHD PWB and I/F PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
4	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(10) Image is blurred.



1. Table scanning

	Defective part	Check description	Corrective Action
1	Rail	Check that the carriage is smoothly operative.	If the carriage does not travel smoothly, remove foreign objects on the front and back optical rails.
2	Lamp unit	Check that the carriage is smoothly operative.	If the carriage does not travel smoothly because the lamp unit contacts with the frame, rectify.
3	Scanner wire drum	Confirm that a foreign object exists between the wire rope and the scanner wire drum.	If a foreign object exists, remove.
4	Mirror unit	Check that a foreign object exists in the grooves of the pulley.	If a foreign object exists in the grooves of the pulleys, remove.
5	Pulley	Check that a foreign object exists in the grooves of the pulleys other than above.	If a foreign object exists in the grooves of the pulleys, remove.
6	Wire rope	Confirm that the wire rope has a foreign object stuck or has a scuff.	If a foreign object exists on the wire rope, remove the foreign object. Or, if it is damaged, replace.

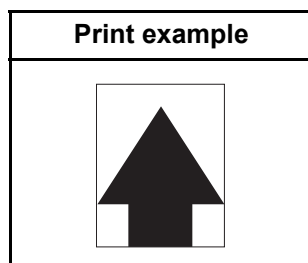
2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	DP conveying pulley	Check that the conveying pulley is smoothly operative.	If the conveying pulley does not rotate smoothly, re-assemble the conveying roller and springs.
2	Adjustment height of the hinge portions of the DP	Check the height of the front and back portions of the DP.	If the front and back side of the DP is not leveled, adjust the hinge on the left side.
3	Install DP	Check how DP is mounted on the main unit.	If mounting to the main unit is improper, check positioning and secure the screws.
4	DP hinge	Check that the DP hinge is operative in both ascending and descending directions and kept open.	If the DP is not operative smoothly or is not held stably open, replace the hinges.
5	DP document mat	Check the location the document mat of the DP is mounted.	Re-mount the document mat of the DP if it is hanged off.
6	Original document	Check that the leading edge of the original document is dog-eared.	If the leading edge of the original document is dog-eared, straighten.
7	Scanning guide	Check if the scanning guide is distorted.	If the scanning guide deformed, replace.
8	Scopper guide	Check that the scopper guide is smoothly operative.	If the scopper guide does not rotate smoothly, re-install.

	Defective part	Check description	Corrective Action
9	Conveying roller (before and after of scanning)	Check whether the conveying roller is dirty.	If the conveying roller is dirty, clean.
10	Drive belt	Check if the drive belt is jumping gear teeth.	If the drive belt is jumping gear teeth, re-mount the belt tensioner.

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	DP conveying pulley	Check that the conveying pulley is smoothly operative.	If the conveying pulley does not rotate smoothly, re-assemble the conveying roller and springs.
2	Install DP	Check how DP is mounted on the main unit.	If mounting to the main unit is improper, check positioning and secure the screws.
3	DP hinge	Check that the DP hinge is operative in both ascending and descending directions and kept open.	If the DP is not operative smoothly or is not held stably open, replace the hinges.
4	DP document mat	Check the location the document mat of the DP is mounted.	Re-mount the document mat of the DP if it is hanged off.
5	Original document	Check that the leading edge of the original document is dog-eared.	If the leading edge of the original document is dog-eared, straighten.
6	Scanning roller	Check if the scanning roller is floated.	If the scanning roller is floated, re-assemble.
7	Conveying roller (before and after of scanning)	Check whether the conveying roller is dirty.	If the conveying roller is dirty, clean.
8	Scanning glass	Check if the scanning glass is floated.	If the scanning glass is floated, re-assemble.
9	Drive belt	Check if the drive belt is jumping gear teeth.	If the drive belt is jumping gear teeth, re-mount the belt tensioner.

(11) The leading edge of the image is consistently misaligned with the original.

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly on the contact glass.	If the original document is not properly placed on the contact glass, place it correctly.
2	Secures the lamp unit	Confirm the orientation of the bracket that secures the wire rope and the lamp unit.	If the bracket that fixes the wire rope and the lamp unit is misaligned, align the bracket properly.
3	Adjustment of the scanner	Check the scanning adjustment of the scanner.	1. Perform maintenance mode U066, Front. (see page 1-3-50) 2. Perform maintenance mode U411, table(Char1)_Input. (see page 1-3-139)
4	Home position sensor	Check the location the home position sensor is mounted.	Re-mount the home position sensor if it is hanged off.
5	Drive belt	Check if the tension of the drive belt is insufficient.	If the tension of the drive belt is insufficient, tense the belt.
6	Scanner wire drum	Check if the optical wire drum is loosely fixed.	If the optical wire drum is loosely fixed, secure the screws.
7	Scanner drive gear	Check that the scanner drive gear is loosely mounted.	If the scanner drive gear loosely mounted, secure the screw.

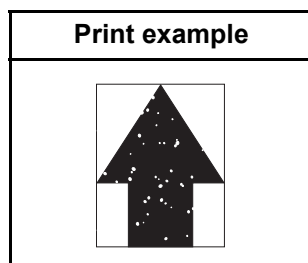
2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Adjustment of the scanner	Check the scanning adjustment of DP scanning.	1. Perform maintenance mode U071, CIS Head. (see page 1-3-55) 2. Perform maintenance mode U411, DP Auto Adj. (only a dual scan DP installed) 3. Perform maintenance mode U411, FaceUp(Char2)_Input. (see page 1-3-139)
2	Original conveying roller	Check if the conveyer roller is contaminated or worn.	If the conveying roller is dirty, clean the conveying roller and its axles. If the roller is worn out, replace.

	Defective part	Check description	Corrective Action
3	DP drive motor	Check whether the DP drive motor is fluctuated in rotation.	If the DP motor is fluctuated in rotation, apply grease with the drive gear. If no improvement is observed, replace the motor.

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Adjustment of the scanner	Check the scanning adjustment of DP scanning.	<ol style="list-style-type: none"> 1. Perform maintenance mode U071, CIS Head. (see page 1-3-55) 2. Perform maintenance mode U411, DP Auto Adj. 3. Perform maintenance mode U411, FaceDown(Char1)_All. (see page 1-3-139)

(12) Part of image is missing.

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly on the contact glass.	If the original document is not properly placed on the contact glass, place it correctly.
2	Original document	<ol style="list-style-type: none"> 1. Check that the size of the original document and the paper size match on the panel. 2. Check that the copying position has been automatically rotated. 	<ol style="list-style-type: none"> 1. If the sizes of the original document and the paper size do not match, manually set the proper paper size for the original document. 2. Check the paper size automatic detection switch and replace if faulty. 3. If the copying position is automatically rotated, deactivate automatic image
3	Settings of Border removal	Check the value of border removal.	If a large value is given to bordere erasure, change it to a smaller value.
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
5	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
6	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
7	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
8	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
9	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
10	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
11	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

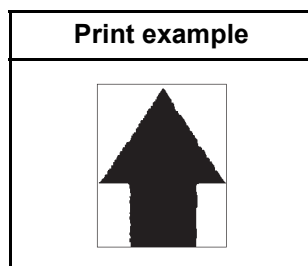
	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly in the DP.	If the original document is not properly placed in the DP, place it correctly.
2	Original document	1. Check that the size of the original document and the paper size match on the panel. 2. Check that the copying position has been automatically rotated.	1. If the sizes of the original document and the paper size do not match, manually set the proper paper size for the original document. 2. Check the paper size automatic detection switch and replace if faulty. 3. If the copying position is automatically rotated, deactivate automatic image rotation by the system menu.
3	Settings of Border removal	Check the value of border removal.	If a large value is given to bordere erasure, change it to a smaller value.
4	Contact glass	Check whether the contact glass is dirty.	If the contact glass is dirty, clean the contact glass, and the bottom part of the shading plate.
5	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
6	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
7	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
8	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly in the DP.	If the original document is not properly placed in the DP, place it correctly.
2	Original document	Check the size of the original document and its reference size.	If the size of the original document and its reference size do not match, manually set the document size.
3	Settings of Border removal	Check the value of border removal.	If a large value is given to bordere erasure, change it to a smaller value.

	Defective part	Check description	Corrective Action
4	DP_SATA cable	Check the FFC cable between the SHD PWB and I/F PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
5	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
6	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
7	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(13) Image is out of focus.



1. Table scanning and DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	Check whether the original document is wavy.	If the original document is wavy, straighten.Or, replace the original document.
2	Contact glass	Check whether the contact glass is dew condensed.	If the contact glass is dew condensed, remove the dew.
3	Mirror	Check whether the mirror is dew condensed.	If the mirrors are dew-condensed, remove the dew.
4	Lens	Check whether the lens is dew condensed.	If the lens is dew condensed, remove the dew.
5	CCD sensor	Check whether the CCD sensor glass is dew condensed.	If the CCD sensor glass is dew condensed, remove the dew.
6	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, table(Chart1)_All. (see page 1-3-139)
7	ISU	Confirm the position of the lens and the CCD sensor.	If the lenses and the CCD sensor are misaligned, replace the ISU and perform U411.
8	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)

	Defective part	Check description	Corrective Action
9	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

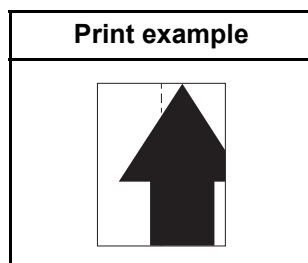
2. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	DP_CIS glass	Check whether the CIS glass is dew condensed.	If the CIS glass is dew condensed, remove the dew.
2	DP_CIS glass	Check whether the CIS glass is contaminated.	If the CIS glass is contaminated, clean the CIS glass. If it has a scuff, replace.
3	White-reference roller(Counter the CIS)	Check that the white-reference roller is smoothly operative.	If the white-reference roller does not rotate smoothly, re-install.
4	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceDown(Char1)_All. (see page 1-3-139)
5	DP_CIS unit	Check the location the CIS unit is mounted.	Re-mount the CIS unit if it is hanged off.
6	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)

3. DP-scanning second (back) page (with a reversed DP installed)

	Defective part	Check description	Corrective Action
1	Contact glass	Check whether the contact glass is dew condensed.	If the contact glass is dew condensed, remove the dew.
2	Mirror	Check whether the mirror is dew condensed.	If the mirrors are dew-condensed, remove the dew.
3	Lens	Check whether the lens is dew condensed.	If the lens is dew condensed, remove the dew.
4	CCD sensor	Check whether the CCD sensor glass is dew condensed.	If the CCD sensor glass is dew condensed, remove the dew.
5	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, Table(Char1)_All. (see page 1-3-139)
6	ISU	Confirm the position of the lens and the CCD sensor.	If the lenses and the CCD sensor are misaligned, replace the ISU and perform U411. (see page 1-3-139)
7	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)

	Defective part	Check description	Corrective Action
8	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(14) Image center does not align with the original center.

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly on the contact glass.	If the original document is not properly placed on the contact glass, place it correctly.
2	Contact glass assy	Check the location the contact glass is mounted.	Re-mount the contact glass if it is hanged off.
3	Adjustment of the scanner	Check the scanning adjustment of the scanner.	1. Perform maintenance mode U067, Front.(see page 1-3-51) 2. Perform maintenance mode U411, Table(Char1)_Input. (see page 1-3-139)

2. DP-scanning first (front) page

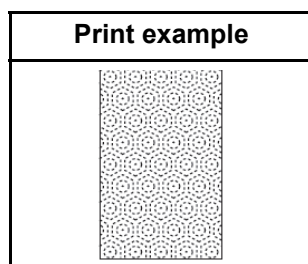
	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly in the DP.	If the original document is not properly placed in the DP, place it correctly.
2	Adjustment of the scanner	Check the scanning adjustment of DP scanning.	1. Perform maintenance mode U072, Front. 2. Perform maintenance mode U411, DP Auto Adj. (If a duplex scanning DP is installed.) 3. Perform maintenance mode U411, DP FaceUp(Char2)_Input. (see page 1-3-139)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is loaded correctly in the DP.	If the original document is not properly placed in the DP, place it correctly.

	Defective part	Check description	Corrective Action
2	Adjustment of the scanner	Check the scanning adjustment of DP scanning.	1. Perform maintenance mode U072, CIS . (see page 1-3-66) 2. Perform maintenance mode U411, DP Auto Adj. 3. Perform maintenance mode U411, DP FaceDown (Chart1)_All. (see page 1-3-139)

(15) Moires



1. Table scanning

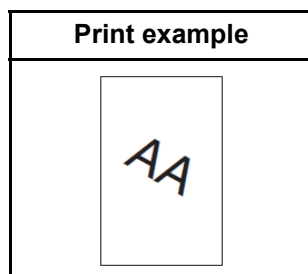
	Defective part	Check description	Corrective Action
1	Settings of print quality mode	Confirm whether the moire varies depending on print quality mode.	Switch print quality mode if the moire varies depending on print quality mode. 1. Execute printing in text or print mode. 2. Reduce the sharpness (to minus).
2	Original document	Check if moire is observed along the direction of scanning of the original document.	If moire is observed, place the original document after rotating it 90-degree.
3	Scaling factor	Happens with the zoom ratio of 100%.	Reduce the real-size ratio of the main scan direction by U065.
4	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, Table(Chart1)_All. (see page 1-3-139)

2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Settings of print quality mode	Confirm whether the moire varies depending on print quality mode.	Switch print quality mode if the moire varies depending on print quality mode. 1. Execute printing in text or print mode. 2. Reduce the sharpness (to minus).
2	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, Table(Chart1)_All. (see page 1-3-139)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Settings of print quality mode	Confirm whether the moire varies depending on print quality mode.	Switch print quality mode if the moire varies depending on print quality mode. 1. Execute printing in text or print mode. 2. Reduce the sharpness (to minus).
2	Adjustment of the scanner	Check the automatic adjustment of the scanner.	Perform maintenance mode U411, DP FaceDown(Char1)_All. (see page 1-3-139)

(16) Skewed image

1. Table scanning

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document is fed askew.	If the original document is not placed askew on the contact glass, place it correctly.
2	Adjustment of height of main unit and scanner unit	Check the scanner unit is quite level.	If the scanner unit is not quite level, perform the height adjustment of the entire scanner unit.
3	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.

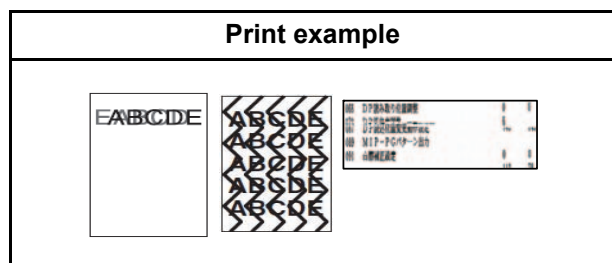
2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document has creases or foldings or wrinkles.	If the original document has foldings or creases, remove them.
2	DP paper feed	Check if the original document is fed askew.	If the original document is fed askew, set the width guides correctly.
3	Lamp unit	Check the location the lamp unit is mounted.	Re-mount the lamp unit if it is hanged off.
4	DP feed roller	Check whether the feed roller is dirty.	If the feed roller is dirty, clean.Or, if not cured, replace the feed roller.
5	DP regist roller	Check whether the DP regist roller is dirty.	If the DP regist roller is dirty, clean.
6	DP regist pulley	Check that the DP regist pulley is smoothly operative.	If the DP regist pulley does not rotate smoothly, re-install.
7	Adjustment amount of slack of the original document	Check the amount of slack of the original document when it reaches at the regist.	If the amount of the slack of the original document roller improper is perform maintenance mode U942, DP slack settings.(see page 1-3-177)
8	Original document setting	Check that the cursor fits with the original document.	Align the cursor to fit with the original document, if necessary.

	Defective part	Check description	Corrective Action
9	Adjustment positions of the hinge	Check the front and back adjustment positions of the right hinge.	If the front and back adjustment positions of the right hinge are improper, perform adjustment.

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	Original document	Check if the original document has creases or foldings or wrinkles.	If the original document has foldings or creases, remove them.
2	DP feed roller	Check whether the DP feed roller is dirty.	If the DP feed roller is dirty, clean.
3	DP regist roller	Check whether the DP regist roller is dirty.	If the DP regist roller is dirty, clean.
4	DP regist pulley	Check that the DP regist pulley is smoothly operative.	If the DP regist pulley does not rotate smoothly, re-install.
5	Adjustment amount of slack of the original document	Check the amount of slack of the original document when it reaches at the regist.	If the amount of the slack of the original document roller improper is perform maintenance mode U942, DP slack settings.(see page 1-3-177)
6	Original document setting	Check that the cursor fits with the original document.	Align the cursor to fit with the original document, if necessary.
7	Install the CIS	Check whether CIS is loosely mounted.	Re-mount the CIS unit if it is hanged off.

(17) Abnormal image

1. Table scanning

	Defective part	Check description	Corrective Action
1	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
2	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
3	HDD	Check the wires to the HDD in conduction. Check the connector for connection. Check the connector pins for distortion.	<ol style="list-style-type: none"> 1. Reinsert the connector if its connection is loose. 2. Check the wires and connectors, and replace if faulty. 3. Replace the HDD or the SATA wire.
4	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
5	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
6	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

2. DP-scanning first (front) page

	Defective part	Check description	Corrective Action
1	FFC cable CCD	Check the FFC cable between the CCD sensor and ISC PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
2	SATA cable ISC	Check the SATA cable between the ISC PWB and main PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.

	Defective part	Check description	Corrective Action
3	HDD	Check the wires to the HDD in conduction. Check the connector for connection. Check the connector pins for distortion.	1. Reinsert the connector if its connection is loose. 2. Check the wires and connectors, and replace if faulty. 3. Replace the HDD or the SATA wire.
4	ISC PWB	The ISC PWB is defective.	Replace the ISC PWB and perform U411. (see page 1-3-139)
5	CCD PWB	The CCD PWB is defective.	Replace the ISU and perform U411. (see page 1-3-139)
6	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

3. DP-scanning second (back) page (with a dual scan DP installed)

	Defective part	Check description	Corrective Action
1	DP_SHD PWB	Check the CIS and the SHD PWB is properly connected.	Reinsert the connector if the PWB was loosely inserted.If not cured, replace the PWB.
2	DP_SATA cable	Check the FFC cable between the SHD PWB and I/F PWB is properly connected. Or, verify conduction of the wire.	Reinsert the connector if its connection is loose. Or, if conduction is lot, replace the wire.
3	DP_CIS	CIS is defective.	Replace the CIS and perform U091 and U411. (see page 1-3-62,1-3-139)
4	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

1-4-6 Poor image (Image rendering problems: printer engine)

(1) No image appears (entirely white).



See page1-4-209

(2) No image appears (entirely black).



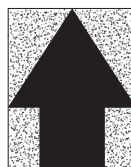
See page1-4-210

(3) Image is too light.



See page1-4-211

(4) The background is colored.



See page1-4-214

(5) White streaks are printed vertically.



See page1-4-216

(6) Black streaks appear longitudinally.



See page1-4-217

(7) Black or white streaks appear horizontally.



See page1-4-218

(8) Uneven density longitudinally.



See page1-4-219

(9) Uneven density horizontally.



See page1-4-220

(10) Black dots appear on the image.



See page1-4-221

(11) Offset occurs.



See page1-4-222

(12) Image is partly missing.



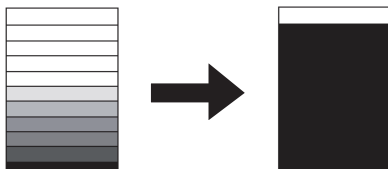
See page1-4-223

(13) Image is out of focus.



See page1-4-223

(14) Poor grayscale reproducibility.



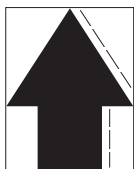
See page1-4-224

(15) Unevenly repeating horizontal streaks in the printed objects. Spots in the printed objects.



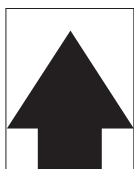
See page1-4-225

(16) Image is blurred (Shifted transferring).



See page1-4-226

(17) The leading edge of the image is consistently misaligned with the original.



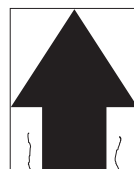
See page1-4-227

(18) The leading edge of the image is sporadically misaligned with the original.



See page1-4-228

(19) Paper is wrinkled.



See page1-4-228

(20) Fusing is loose.



See page1-4-230

(21) Image center does not align with the original center.



See page1-4-231

(22) Dirty paper edges with toner.



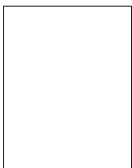
See page1-4-231

(23) Dirty reverse side of paper.




See page1-4-232

(1) No image appears (entirely white).

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. No or defective developing bias output. 2. Failure of the rotation of the developing roller. 3. Defective transfer. 4. Laser is not dispersed from the laser scanner unit (LSU). 5. The drum does not rotate.

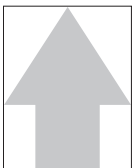
	Defective part	Check description	Corrective Action
1	Developing unit	Executing U089 to generate PGs and check the following : Check whether the developer drive gear is damaged. Check the developing roller is rotated by hand. Check contamination and deformation on the terminals of developer unit or the high-voltage PWB1.	If the gear is damaged, replace the developer unit. If the developer unit is in fault, replace the developer unit. (see page 1-5-39) If the connecting terminals are dirty, clean. If the connecting terminals are deformed, correct for a proper conduction.
2	High-voltage PWB	Check the connection of the connector(s) and the high-voltage PWB. Or, verify conduction of the wires. Check if developing bias value at its default by U140.	Reinsert the connector if its connection is loose. Replace the cable if it has no conduction. High voltage PWB (YC 1) and engine PWB (YC17) :Developer High voltage PWB (YC 2) and engine PWB (YC16) :Transfer 1. If the value obtains by U140 does not conform to the default value, reset it to the default. (see page 1-3-80) 2. Replace the high-voltage PWB.
3	Transfer belt unit	Check if the right side conveying unit is closed.	If the conveying unit has not been closed, check how the conveying guide is locked and open the conveying guide once, then close.
4	Laser scanner unit (LSU)	Check the connection of the connectors. Or, verify conduction of the wires.	1. Reinsert the FFC wire if its connection is loose. Replace the cable if it has no conduction. 2. Replace the LSU (see page 1-5-32)
5	Engine PWB	A control signal is not derived from the engine PWB.	Replace the engine PWB. (see page 1-5-57)

(2) No image appears (entirely black).

Print example	Cause of trouble
	1. No main charging. 2. The laser from the LSU is activated simultaneously.

	Defective part	Check description	Corrective Action
1	Charging roller	Check whether the charging roller is properly mounted.	If the charging roller is not fixed properly, fix the roller properly.
		Check whether the connecting terminals of the charging roller and high-voltage PWB are deformed.	If the connecting terminals are deformed, correct for a proper conduction.
2	High-voltage PWB	Check the connection of the connectors. Or, verify conduction of the wires.	Reinsert the connector if its connection is loose. Replace the cable if it has no conduction. High voltage PWB (YC 2) and engine PWB (YC16) :Charger
		Main charging current supplied by the high-voltage PWB is faulty.	Replace the high-voltage PWB. (see page 1-5-62)
3	Laser scanner unit (LSU)	Switching on and off the laser diode on the LSU PWB is out of control.	Replace the LSU. (see page 1-5-32)
4	Engine PWB	The engine PWB is defective.	Replace the engine PWB.(see page 1-5-57)
5	Main PWB	The main PWB is defective.	Replace the main PWB.(see page 1-5-51)

(3) Image is too light.

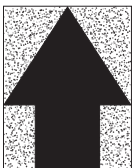
Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Variance in environments (dew formation). 2. Toner is under supplied, or deteriorated in quality.(Under charged) 3. The volatage of the developing bias is too low. 4. The volatage of the transfer current is too low. 5. The power of LSU laser is too low. 6. The surface potential of the drum is too high. 7. The contact pressure at the trasfer belt and the drum is too low.

	Defective part	Check description	Corrective Action
1	Paper	Check that the paper has moisture absorbed. Check that the paper has stored in a humid place.	<ol style="list-style-type: none"> 1. If the paper is damp, replace.Choose a dry place to store paper. 2. If necessary, install a cassette heater. (see page 1-2-69)
2	Drum unit	<p>Check that the drum has dew condensation.</p> <ol style="list-style-type: none"> 1. Check if the discharging lamp is dirty. 2. Check whether it is lit. 	<p>If a dew condensation is observed, perform drum refreshing. (System Menu >Adjustment / Maintenance)</p> <ol style="list-style-type: none"> 1. If the discharging lamp is dirty, clean. 2. If not cured, or it does not light, replace the drum unit. (Performs U119)(see page 1-3-73)

	Defective part	Check description	Corrective Action
3	Developer unit	Executing U089 to generate PGs and check the following : (see page 1-3-61)	
		1. Confirm the value from U155. (see page 1-3-85)	If the value is less than 542, perform U132 to forcibly replenish toner. (see page 1-3-77) Replace the developer unit if the output is kept too low.
		2. Check if the device executed a low-density printing for a prolonged period.	1. If the device was executing a low-density printing for a prolonged period, perform developing refreshing. (System Menu >Adjustment / Maintenance) 2. If developer refreshing does not correct the problem, perform the following Execute maintenance modes U464 Calibration and U410 Grayscale Adjustment. (see page 1-3-156,1-3-138)
		3. Check if the connecting terminals for developer bias are deformed.	If the connecting terminals are deformed, correct for a proper conduction.
		Check the value of U140 MagDC. (see page 1-3-80)	If the MagDC value is in excess of the upper limit by U140, perform U464 to set the Thickness Target Value from 0 to +30. Execute maintenance modes U464 Calibration.(see page 1-3-156)
4	Toner container	Shake the toner container up and down approx. 10 times, and check the following: 1. Check remaining toner by the indicator. 2. Check whether the toner supply inlet is open.	If the message prompting toner replenishing is shown, the toner inlet is not open, replace the toner container.
5	Toner supply motor	Execute U135 to check the revolution of the toner supply motor. (see page 1-3-77)	If the toner Conduct supply motor does not rotate, replace.

	Defective part	Check description	Corrective Action
6	High-voltage PWB	Check the value of the U100. Check the value of the U140.	1. If the value obtained by U100 or U140 does not conform to the default value, reset it to the default. (see page 1-3-80) 2. Replace the high-voltage PWB.
7	Transfer belt unit	1. Check whether the connecting terminals. 2. Check the value of the U106. (see page 1-3-68)	1. If the connecting terminals are deformed, correct for a proper conduction. 2. If the value obtained after U106 does not conform to the default value, reset it to the default. 3. Replace transfer belt unit.
		1. Check if the contact between the transfer belt and drum is correct.	Re-mount the transfer belt unit.
8	LSU	1. The laser diode on the LSU APC PWB is out of control. 2. Check whether the internal mirrors are contaminated.	Replace the LSU. (Performs U119) (see page 1-3-73)
9	Engine PWB	The engine PWB is defective.	Replace the engine PWB. (see page 1-5-57)


(4) The background is colored.

Print example	要因
	<ol style="list-style-type: none"> 1. Toner is deteriorated in quality (under-charged). 2. Toner is over-supplied. 3. Developing bias is too high. 4. The layer of toner is too thick on the developing roller (too much toner). 5. The surface potential of the drum is too low (under low temperature environment).

	Defective part	Check description	Corrective Action
1	Developer unit	Executing U089 to generate PGs and check the following : (see page 1-3-61) <ol style="list-style-type: none"> 1. Check whether the device was being continuously operated with high density, under a hot environment. 2. Check the value of the U140 developer bias. (see page 1-3-80) 3. Check contamination and deformation on the connecting terminals for developer bias. 4. Check the toner sensor output by U155. (see page 1-3-85) 	If the device was being continuously operated with high density under a hot environment, perform developing refreshing. (System Menu >Adjustment / Maintenance) If the density ID is too low at calibration, execute maintenance modes U464 Calibration and U410 Grayscale Adjustment. (see page 1-3-156, 1-3-138) If the connecting terminals for developer bias are dirty, clean. If the connecting terminals are deformed, correct for a proper conduction. If the toner sensor output obtained by U155 is 100 or less, replace the developer unit. (see page 1-5-39)
2	Toner supply motor	Check the toner supply motor is continuously rotating. Check wires for shortcircuiting.	If the harnesses are short-circuited and the toner motor is continuously rotating, replace the toner supply motor.

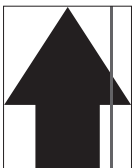
	Defective part	Check description	Corrective Action
3	Drum unit	1. Conduct U139 to check the internal temperature. (see page 1-3-79)	If the internal temperature is 16-degree C or less, continue printing until the temperature reaches 16-degree C or higher.
		2. Check the value of the U100 main high voltage. (see page 1-3-66)	Fix the inner unit properly. (see page 1-5-36)
		3. Check that the ground terminal is not contaminated or the conductive grease is not applied with the connecting terminals.	If the connecting terminals are dirty, clean. If the amount of the grease applied is too small, apply conductive grease to the bearing on the receiver side of the drum drive axle. Replace the drum unit. (Performs U119)
		4. Check if the charging roller is dirty.	If the charging roller is dirty, clean.Or replace it. (Performs U930)(see page 1-3-175)
4	Transfer belt unit	<ol style="list-style-type: none"> 1. Check if the belt is bleached on its surface. 2. Check the value of U140 MagDC after conducting calibration. 3. Check if the ground tab of the transfer belt unit is deformed. 	<ol style="list-style-type: none"> 1. If the connecting terminals are deformed, correct for a proper conduction. 2. If the value obtained by U106 does not conform to the default value, reset it to the default. 3. Increase the U140 MagDC value if the U140 MadDC value has not reached at its maximum even though the belt is bleached on its surface. 4. If the MadDC increased to its maximum won't cure, replace the transfer belt unit. (see page 1-5-45)
5	High-voltage PWB	The developing bias and charging current supplied by the high-voltage PWB is faulty.	Replace the high-voltage PWB. (see page 1-5-62)
6	Engine PWB	Defective the engine PWB	Replace the enging PWB. (see page 1-5-57)

(5) White streaks are printed vertically.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Dirty LSU slit glass. 2. Foreign objects inside the developer unit. 3. Internal contamination 4. Dirty drum inside.

	Defective part	Check description	Corrective Action
1	Developer unit	Executing U089 to generate PGs. (see page 1-3-61)	Replace the developer unit. (see page 1-5-39)
2	Light path between the LSU and the drum	Check if there are dusts, dirt, or toner obstructing the light paths.	If a foreign object exists on the frame or the sealings between the developer unit and the drum unit, remove.
3	Drum unit	Check if the charging roller is dirty.	If the charging roller is dirty, clean. Or replace it. (Performs U930) (see page 1-5-42)
		Check if the discharging lamp is dirty.	If the discharging lamp is dirty, clean.
4	LSU	Check if the LSU slit glass is dirty.	If the LSU slit glass is dirty, perform laser scanner cleaning.
5	Transfer belt unit	Check whether a white streak occurs at the same position as the smear on the transfer belt.	Clean the transfer belt if it is dirty. Replace the transfer belt unit. (see page 1-5-45)


(6) Black streaks appear longitudinally.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Dirty charging roller 2. Flawed or dirty drum unit 3. Damaged or paper dust bitten cleaning blade

	Defective part	Check description	Corrective Action
1	Separation brush	Check if the separation brush is dirty with paper dusts and waste toner.	If the separation brush is dirty, clean it using a brush.
2	Drum unit	<p>Check if drum is dirty on its surface.</p> <ol style="list-style-type: none"> 1. Check if the drum has scratches. 2. Check whether the edge of the cleaning blade is damaged. 3. Check whether it is abraded or paper dusts are accumulated. 4. Check whether toner is accumulated in the cleaning section. 	<p>Execute drum refreshing. (System Menu > Adjustment / Maintenance)</p> <p>Replace the drum unit. (see page 1-5-40)</p>
3	Charging roller unit	Check if there is no toner streaks on the surface of the charging roller.	<p>If the charging roller has streaks on its surface, clean the charging roller. Replace the charging roller, if necessary. (Performs U930) (see page 1-3-175)</p>
4	Transfer belt unit	<ol style="list-style-type: none"> 1. Check if the transfer belt roller is contaminated on its surface or damaged. 2. Check the cleaning bias connector or the connecting terminals of high voltage are not dirty or deformed. 	<p>If smears and scuff are observed on the transfer belt unit, replace the unit. (see page 1-5-45)</p> <p>If the connector or terminals are dirty, clean. If the connecting terminals are deformed, correct for a proper conduction. Replace the high-voltage PWB. (see page 1-5-62)</p>

	Defective part	Check description	Corrective Action
5	Fuser unit	Check if the paper separation puddle is contaminated with toner.	If the paper separation puddle is dirty, clean the paper separation puddle.
		Check the device is adjusted for a correct paper weight that matches the paper in use.	If the settings for paper weight and the paper being used do not match, make a proper configuration.
6	Eject guide	The Rib is contaminated with toner.	If it is duty,clean.


(7) Black or white streaks appear horizontally.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Dirty developer unit or terminals 2. Flawed or dirty drum unit Improper grounding 3. Dirty transfer roller terminals

	Defective part	Check description	Corrective Action
1	Developer unit	<ol style="list-style-type: none"> 1. Check the print image on paper has a problem at an interval equivalent to the circumference of the developing roller. 2. Check that the developing roller is dirty at its ends or at the developing bias tab. 	<ol style="list-style-type: none"> 1. If the ends of the developing roller and the connecting terminals for developer bias are dirty, clean. 2. Replace the developer unit. (see page 1-5-39)
2	Drum unit	1. Check the print image on paper has a problem at an interval equivalent to the circumference of the drum .	Execute drum refreshing. (System Menu >Adjustment / Maintenance)
		2. Check if the drum has scratches.	Replace the drum unit. (Performs U119) (see page 1-5-40)
		3. Check the grounding tab of the drum or the drum drive shaft.	<ol style="list-style-type: none"> 1. Check how the inner unit is mounted, and correct, if necessary. 2. Replace the drum unit. (Performs U119) (see page 1-5-40)

	Defective part	Check description	Corrective Action
3	Transfer belt unit	Check the print image that implies dirt, deformation, or scratches on the transfer belt, which will be appearing at an interval equal to its circumference .	If the print image has a problem, clean the transfer belt by a soft cloth.
		Check contamination and deformation on the terminals .	1. If the connecting terminals are deformed, correct for a proper conduction 2. Replace transfer belt unit.(see page 1-5-45)
4	Fuser unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the fuser roller.	If the print image has a problem, clean the fuser roller.
5	High-voltage PWB	The bias voltage output supplied by the high-voltage PWB is not even.	Replace the high-voltage PWB. (see page 1-5-62)

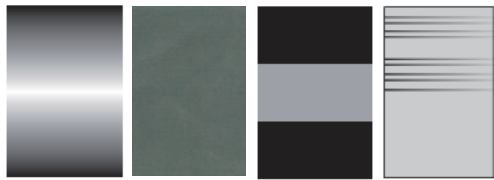
(8) Uneven density longitudinally.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Dirty LSU inside 2. The transfer belt is not pressed against the drum properly. 3. Drum condensation.

	Defective part	Check description	Corrective Action
1	Transfer belt unit	Check that the transfer belt unit is properly fit.	<ol style="list-style-type: none"> 1. If it is not fixed properly, fix it properly. 2. If the conveying unit has not been closed, check how the conveying guide is locked and open the conveying guide once, then close. 3. Replace the transfer belt unit. (see page 1-5-45)
2	Drum unit	<ol style="list-style-type: none"> 1. Check toner is evenly layered on its surface. 2. Check whether the device has been operated under a highly humid environment. 	<ol style="list-style-type: none"> 1. Execute drum refreshing. 2. Selects the Dew Mode by U148 Drum Refresh Mode. (see page 1-3-84) 3. Install a cassette heater. 4. Replace the drum unit. (Performs U119) (see page 1-5-40)


	Defective part	Check description	Corrective Action
3	Developer unit	Check that toner is evenly layered on the developing roller.	Replace the developer unit. (see page 1-5-39)
4	LSU	The emission of laser dispersed from the LSU is not even. (Mirror is dropped off inside.)	Replace the LSU.(Performs U119)

(9) Uneven density horizontally.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Defective laser scanner unit. 2. Improper charging roller rotation 3. Improper contact on the developer unit terminals

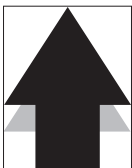
	Defective part	Check description	Corrective Action
1	LSU	Check the emission of laser is even.	Replace the LSU. (see page 1-5-32)
2	Charging roller	Check if the charging roller is improperly mounted.	<ol style="list-style-type: none"> 1. Fix the charging roller properly. 2. Replace the charging roller. (Performs U930) (see page 1-5-42)
3	Developer unit	Check If the connecting terminals of the developing bias is contaminated by toner.	<ol style="list-style-type: none"> 1. If the connecting terminals is dirty. 2. Replace the developer unit. (Performs U140) (see page 1-5-39)
4	Transfer belt unit.	Check if the transfer belt is contaminated on its surface or damaged.	1. Replace the transfer belt unit.
		Check if the cleaning bias connector or the connecting terminals of high voltage are dirty or deformed.	<ol style="list-style-type: none"> 1. If the connector or terminals are dirty, clean.If the connecting terminals are deformed, correct for a proper conduction. 2. Replace the high-voltage PWB.
5	Fuser unit	Check that the roller, its driving unit, or the fusing pressure release mechanism is deformed, abraded, or damaged.	If the roller, its driving unit, or the fusing pressure release mechanism is deformed, abraded, or damaged, replace the fuser unit.

(10) Black dots appear on the image.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Dirty charging roller 2. Flawed or dirty drum unit 3. Damaged or paper dust bitten cleaning blade


	Defective part	Check description	Corrective Action
1	Drum unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the drum (126mm).	If the drum has scratches, replace the drum unit. (see page 1-5-40)
2	Charging roller	Check the print image on paper has a problem at an interval equivalent to the circumference of the charging roller (38mm).	A problem is observed at a constant interval of the charging roller (38 mm), replace the charging roller.(U930) (see page 1-3-175)
3	Developer unit	1. Check if that the developing bias is leaked.	Execute AC calibration by U140. (see page 1-3-80)
		2. Check the print image on paper has a problem at an interval equivalent to the circumference of the developing roller (39mm).	1. If the print image on paper has a problem at an interval equivalent to the circumference of the developer roller, clean the developer unit. 2. Replace the developer unit. (see page 1-5-36)
4	Transfer belt unit.	Check if the transfer belt is contaminated on its surface or damaged.	Replace the transfer belt unit.
		Check the cleaning bias connector or the connecting terminals of high voltage are not dirty or deformed.	1. If the connector or terminals are dirty, clean.If the connecting terminals are deformed, correct for a proper conduction. 2. Replace the high-voltage circuit PWB.
5	Fuser unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the fuser roller.	1. If the print image has a problem, clean the fuser roller. 2. If cleaning does not help improve the symptom, replace the fuser unit.

(11) Offset occurs.

Print example	Cause of trouble
	1. Flawed or dirty drum unit 2. Developing bias leakage.


	Defective part	Check description	Corrective Action
1	Paper	Check that the type of the paper used falls within the range of specifications. Check the settings of the type and weight of the paper.	1. If the type of the paper being used falls outside the requirements, replace and use a suitable type of paper. 2. If the settings made for the paper being used is inadequate, configure the settings according to the paper being used.
2	Drum unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the drum (126mm).	If the print image on paper has a problem at an interval equivalent to the circumference of the drum, replace the drum unit. (see page 1-5-40)
3	Developer unit	Check if offsets are observed at an constant interval of 39 mm, which is equivalent to the circumference of the developing roller.	If offsets are observed at an constant interval of 39 mm, which is equivalent to the circumference of the developing roller, replace the developer unit. (Waste toner is not properly swept from the developing roller.) (see page 1-5-39)
4	Transfer belt unit	Check the transfer cleaning voltage by U106. (see page 1-3-68) Check if offsets are occurred at a pitch of the outer circumference of the transfer belt.	1. If the transfer cleaning voltage by U106 is not its default, reset it to the default. 2. Replace the transfer belt unit. (see page 1-5-45) If an offset happens at a pitch of the outer circumference, clean the transfer belt.
5	Fuser unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the fuser roller.	If the fuser unit roller is dirty, replace the unit.
6	Fusing temperature setting	Check the fusing temperature value by U161. (see page 1-3-88)	If the fusing temperature value by U161 is not its default, reset it to the default.

(12) Image is partly missing.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Flawed or dirty drum unit. 2. Deformed or dirty transfer roller on its surface.

	Defective part	Check description	Corrective Action
1	Paper	<ol style="list-style-type: none"> 1. Check that the paper has moisture absorbed. 2. Check that the paper has stored in a humid place. 	<ol style="list-style-type: none"> 1. If the paper is damp, replace. Choose a dry place to store paper. 2. If necessary, install a cassette heater. (see page 1-2-69)
2	Drum unit	Check the print image on paper has a problem at an interval equivalent to the circumference of the drum (126mm)	If the print image on paper has a problem at an interval equivalent to the circumference of the drum, execute drum refreshing (System Menu > Adjustment/Maintenance).
3	Transfer belt unit	Check if the transfer belt is deformed or contaminated on its surface.	If the transfer belt unit is deformed or contaminated, replace the intermediate transfer belt unit.
4	Fusing temperature setting	Check the value of the U161. (see page 1-3-88)	<ol style="list-style-type: none"> 1. Choose a paper weight appropriate for the weight of the paper actually being used, if the fusing temperature was set low using U161. 2. Perform U161 for an appropriate fusing temperature.

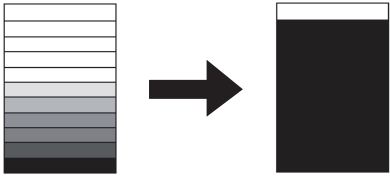
(13) Image is out of focus.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Drum condensation. 2. Dirty LSU slit glass.

	Defective part	Check description	Corrective Action
1	Paper	<ol style="list-style-type: none"> 1. Check that the paper has moisture absorbed. 2. Check that the paper has stored in a humid place. 	<ol style="list-style-type: none"> 1. If the paper is damp, replace. Choose a dry place to store paper. 2. If necessary, install a cassette heater. (see page 1-2-69)


	Defective part	Check description	Corrective Action
2	Drum unit	Check that the surface of the drum has dew condensation.	Execute Drum refreshing. System Menu > Adjustment/Maintenance
3	LSU	Check whether the LSU slit glass is contaminated in its entirety.	1. If the LSU slit glass is dirty, execute Laser scanner cleaning. 2. Replace the LSU. (Performs U119) (see page 1-5-32)

(14) Poor grayscale reproducibility.

Print example	Cause of trouble
	1. Poor image adjustment.

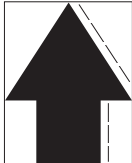
	Defective part	Check description	Corrective Action
1	Image adjustmen	Check if color adjustment is insufficient.	Execute U464 Calibration and U410 Grayscale Adjustment. (see page 1-3-156,1-3-138)

(15) Unevenly repeating horizontal streaks in the printed objects. Spots in the printed objects.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Installation at a high altitude. 2. Using the paper with high surface resistance.


	Defective part	Check description	Corrective Action
1	Developer unit	The device is installed in an altitude higher than 1500 m sea level.	<p>If the device is installed in an altitude greater than 1500 m sea level, perform the following.</p> <ol style="list-style-type: none"> 1. 35 ppm / 45 ppm devices Execute U140 and turn both AC Calib and High Altitude. 2. 55 ppm devices Execute U140 and turn both AC Calib and High Altitude to Mode1. If changing to Mode1 won't work, change to Mode2. (see page 1-3-80)
2	Paper	Check if paper is of high surface resistance.	Change the paper to another.

(16) mage is blurred (Shifted transferring).

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. The paper used does not conform to the requirement. 2. Imbalanced fuser unit pressures.

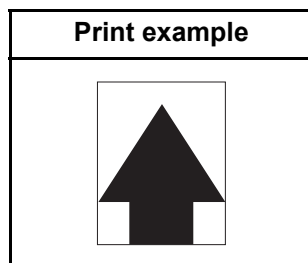
	Defective part	Check description	Corrective Action
1	Paper	<ol style="list-style-type: none"> 1. Check that the type of the paper used falls within the range of specifications. 2. Check the settings of the type and weight of the paper. 	<ol style="list-style-type: none"> 1. If the type of the paper being used falls outside the requirements, replace and use a suitable type of paper. 2. If the settings made for the paper being used is inadequate, configure the settings according to the paper being used.
2	Fuser unit	<ol style="list-style-type: none"> 1. Check the fuser pressure balance. 2. Check if the fuser paper-inserting guide is deformed. 	<ol style="list-style-type: none"> 1. If the pressures at the front and rear are unbalanced, replace the fuser unit. (see page 1-5-47) 2. If the fuser unit is deformed, replace. (see page 1-5-47)
3	Paper conveying motor	Check to see if the driving mechanism for paper conveying is operative without a hinderance.	If the drive does not operate normally, apply grease.
4	Paper conveying guide	The paper conveying guide is deformed.	If the paper conveying guide is deformed, replace the paper conveying guide.

(17) The leading edge of the image is consistently misaligned with the original.

Print example	Cause of trouble
	<ol style="list-style-type: none"> 1. Improperly adjusted leading edge timing. 2. Improper amount of slack of the original document in front of the registration.

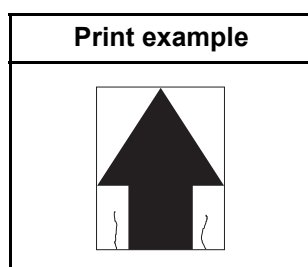
	Defective part	Check description	Corrective Action
1	Regist roller	1. Check whether the leading-edge timing is adequately adjusted.	If the adjustment is not sufficient, execute U034 to adjust the leading edge timing. (see page 1-3-33)
		2. Check whether the amount of slack of the original document when it reaches at the DP regist is adequate.	If the amount of the slack in front of the regist roller is insufficient, execute U051 to optimize the slack. (see page 1-3-39)

(18) The leading edge of the image is sporadically misaligned with the original.



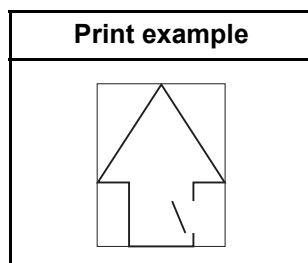
	Defective part	Check description	Corrective Action
1	Paper feed clutch, Middle clutch, Reg- istration clutch, Duplex clutch	Check that the clutches are properly fit. Or, check they are operative without a hinderance. (35 ppm model)	1. If it is not fixed properly, fix it properly. 2. If it does not operate without a hinderance, replace the clutch.
2	Paper feed clutch, Middle motor, Reg- istration motor, Duplex motor	Check that the clutches and motors are properly fit. Or, check they are operative without a hinderance. (45 ppm/ 55 ppm model)	1. If it is not fixed properly, fix it properly. 2. If it does not operate without a hinderance, replace the clutch or motor.

(19) Paper is wrinkled.

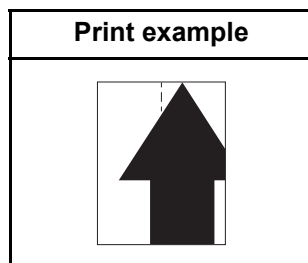


	Defective part	Check description	Corrective Action
1	Paper-width guides	Check the paper-width guides are flush with the paper.	If the width adjuster cursors are not flush with paper, set them correctly.
2	Paper	1. Check if paper is curled or wavy. 2. Check if paper is stored in a humid place.	1. If the paper is curled or wavy, replace. 2. Choose a dry place to store paper.

	Defective part	Check description	Corrective Action
3	Regist roller	The pressures at the front and back springs are unbalanced.	Replace the spring with the one having a correct pressure.
4	Fuser unit	The pressuring spring of the fuser unit is defective.	Replace the fuser unit. (see page 1-5-47)


(20) Fusing is loose.

	Defective part	Check description	Corrective Action
1	Paper	<ol style="list-style-type: none"> 1. Check that the type of the paper used falls within the range of specifications. 2. Check the settings of the type and weight of the paper. 	<ol style="list-style-type: none"> 1. If the type of the paper being used falls outside the requirements, replace and use a suitable type of paper. 2. If the settings made for the paper being used is inadequate, configure the settings according to the paper being used.
2	Paper weight setting	Check If the weight of the paper is correctly set.	If the weight of the paper is not correctly set, choose the correct weight that matches the paper being used.
3	Fuser unit	Check the fuser pressure setting.	Replace the fuser unit. (see page 1-5-47)
4	Fusing temperature setting	Check the value of the U161. (see page 1-3-88)	<ol style="list-style-type: none"> 1. Choose a paper weight appropriate for the weight of the paper actually being used, if the fusing temperature was set low using U161. 2. Perform U161 for an appropriate fusing temperature.

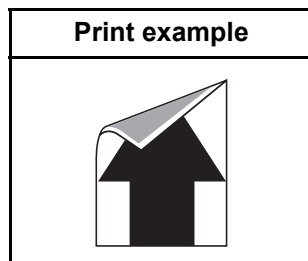
(21) Image center does not align with the original center.

	Defective part	Check description	Corrective Action
1	Paper setting	Check if paper is set correctly.	Reload paper if the paper was not loaded correctly.
2	Image position adjustment	Excute U034 to check the center alignment during writing images.	Perform adjustment if the value of U034 Center Line Adjustment is inadequate. (see page 1-3-33)

(22) Dirty paper edges with toner.

Print example	Cause of trouble
	1. Toner scattering due to an internal temperature increase.(Developer unit)

	Defective part	Check description	Corrective Action
1	Conveying guide	Check if the conveying guide is dirty with toner.	If the conveying guide is dirty with toner, clean the developer unit and the cooling ducts.
2	Internal temperature increase (Developer unit)	Check the device has been used for printing a large amount of data or for printing in duplex mode with a high density.	If the device has been used for printing a large amount of data or for printing in duplex mode with a high density, clean the developer unit.

(23) Dirty reverse side of paper.

	Defective part	Check description	Corrective Action
1	Conveying guide	Check if the conveying guide is dirty with toner.	If the conveying guide is dirty with toner, clean the conveying guide, the developer unit and the cooling ducts.
2	Fuser pressure roller	Check that a foreign object is stuck on the fuser pressure roller.	<ol style="list-style-type: none"> 1. If a foreign object exists, clean the fuser pressure roller. 2. If the paper and the paper weight setting do not match, choose the proper paper weight setting.
3	Transfer belt unit	Check if the transfer belt is dirty with toner on its surface.	<ol style="list-style-type: none"> 1. Clean the transfer belt. 2. Reset U106 Bias settings to its default.

1-4-7 Electric problems

If the part causing the problem was not supplied, use the unit including the part for replacement.
Troubleshooting to each failure must be in the order of the numbered symptoms.

Problem	Causes	Check procedures/corrective measures
(1) The machine does not operate when the main power switch is turned on.	1. No electricity at the power outlet.	Measure the input voltage.
	2. The power cord is not plugged in properly.	Check the contact between the power plug and the outlet.
	3. Broken power cord.	Check for continuity. If none, replace the cord.
	4. Defective main power switch.	Check for continuity across the contacts. If none, replace the main power switch.
	5. Defective power source PWB.	Replace the power source PWB (see page 1-5-59).
(2) MP lift motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP lift motor and relay PWB (YC3) Relay PWB (YC12) and feed PWB 1 (YC17) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the MP lift motor.
	4. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(3) Scanner motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Scanner motor and ISC PWB (YC5) ISC PWB (YC3) and main PWB (YC11)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the scanner motor.
	4. Defective PWB.	Replace the ISC PWB or main PWB and check for correct operation (see page 1-5-51).
(4) Registration motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Registration motor and feed PWB 1 (YC25) Feed PWB 1 (YC2) and engine PWB (YC5)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the registration motor.
	4. Defective PWB.	Replace the feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(5) Middle motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Middle motor and feed PWB 2 (YC7) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the middle motor.
	4. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).
(6) Eject motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Eject motor and front PWB (YC4) Front PWB (YC3) and engine PWB (YC7)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the eject motor.
	4. Defective PWB.	Replace the front PWB or engine PWB and check for correct operation (see page 1-5-57).
(7) Duplex motor 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Duplex motor 1 and relay PWB (YC16) Relay PWB (YC13) and feed PWB 1 (YC23) Feed PWB 1 (YC2) and engine PWB (YC5)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the duplex motor 1.
	4. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(8) Duplex motor 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Duplex motor 2 and relay PWB (YC7) Relay PWB (YC1) and feed PWB 1 (YC14) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the duplex motor 2.
	4. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(9) BR conveying motor 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BR conveying motor 1 and BR main PWB (YC7) BR main PWB (YC3) and engine PWB (YC20)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the BR conveying motor 1.
	4. Defective PWB.	Replace the BR main PWB or engine PWB and check for correct operation (see page 1-5-57).
(10) BR conveying motor 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BR conveying motor 2 and BR main PWB (YC7) BR main PWB (YC3) and engine PWB (YC20)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the BR conveying motor 2.
	4. Defective PWB.	Replace the BR main PWB or engine PWB and check for correct operation (see page 1-5-57).
(11) JS eject motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. JS eject motor and JS main PWB (YC2) JS main PWB (YC1) and feed PWB 1 (YC20) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the JS eject motor.
	4. Defective PWB.	Replace the JS main PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(12) Toner fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Toner fan motor and engine PWB (YC19)
	2. Defective motor.	Replace the toner fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(13) Developer fan motor 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer fan motor 1, 2 and front PWB (YC5) Front PWB (YC3) and engine PWB (YC7)
	2. Defective motor.	Replace the developer fan motor 1 or 2.
	3. Defective PWB.	Replace the front PWB or engine PWB and check for correct operation (see page 1-5-57).
(14) Exhaust fan motor 1, 2, 3 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Exhaust fan motor 1, 2, 3 and engine PWB (YC19)
	2. Defective motor.	Replace the exhaust fan motor 1, 2 or 3.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).
(15) LSU fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. LSU fan motor and front PWB (YC8) Front PWB (YC2) and engine PWB (YC8)
	2. Defective motor.	Replace the LSU fan motor.
	3. Defective PWB.	Replace the front PWB or engine PWB and check for correct operation (see page 1-5-57).
(16) Fuser fan motor 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser fan motor 1, 2 and relay PWB (YC16) Relay PWB (YC13) and feed PWB 1 (YC23) Feed PWB 1 (YC2) and engine PWB (YC5)
	2. Defective motor.	Replace the fuser fan motor 1 or 2.
	3. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(17) Eject fan motor 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Relay PWB (YC13) and feed PWB 1 (YC23) Feed PWB 1 (YC2) and engine PWB (YC5)
	2. Defective motor.	Replace the eject fan motor 1 or 2.
	3. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(18) Eject front fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Eject front fan motor and front PWB (YC11) Front PWB (YC2) and engine PWB (YC8)
	2. Defective motor.	Replace the eject front fan motor.
	3. Defective PWB.	Replace the front PWB or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(19) Eject rear fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Eject rear fan motor and feed PWB 1 (YC19) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective motor.	Replace the eject rear fan motor.
	3. Defective PWB.	Replace the feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(20) Duplex fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Duplex fan motor and relay PWB (YC8) Relay PWB (YC1) and engine PWB (YC14)
	2. Defective motor.	Replace the duplex fan motor.
	3. Defective PWB.	Replace the relay PWB or engine PWB and check for correct operation (see page 1-5-57).
(21) Power source fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Power source fan motor and engine PWB (YC22)
	2. Defective motor.	Replace the power source fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).
(22) Controller fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Controller fan motor and main PWB (YC23)
	2. Defective motor.	Replace the controller fan motor.
	3. Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-51).
(23) Bridge fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Bridge fan motor and engine PWB (YC26)
	2. Defective motor.	Replace the bridge fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).
(24) Paper feed clutch 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper feed clutch 1, 2 and feed PWB 2 (YC4) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective clutch.	Replace the paper feed clutch 1 or 2.
	3. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(25) Assist clutch 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Assist clutch 1 and feed PWB 2 (YC10) Assist clutch 2 and feed PWB 2 (YC12) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective clutch.	Replace the assist clutch 1 or 2.
	3. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).
(26) Paper conveying clutch does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper conveying clutch and feed PWB 2 (YC5) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective clutch.	Replace the paper conveying clutch.
	3. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).
(27) MP paper feed clutch does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP paper feed clutch and relay PWB (YC3) Relay PWB (YC12) and feed PWB 1 (YC17) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective clutch.	Replace the MP paper feed clutch.
	3. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(28) PF paper feed clutch 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper feed clutch 1, 2 and PF main PWB (YC15)
	2. Defective clutch.	Replace the PF paper feed clutch 1 or 2.
	3. Defective PWB.	Replace the PF main PWB and check for correct operation (see page 1-5-71).
(29) PF paper conveying clutch 1, 2, 3 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper conveying clutch 1 and PF main PWB (YC5) PF paper conveying clutch 2, 3 and PF main PWB (YC15)
	2. Defective clutch.	Replace the PF paper conveying clutch 1, 2 or 3.
	3. Defective PWB.	Replace the PF main PWB and check for correct operation (see page 1-5-71).
(30) Pickup solenoid 1, 2 does not operate	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Pickup solenoid 1, 2 and feed PWB 2 (YC8) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective solenoid.	Replace the pickup solenoid 1 or 2.
	3. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(31) Feedshift solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Feedshift and front PWB (YC5) Front PWB (YC3) and engine PWB (YC7)
	2. Defective solenoid.	Replace the feedshift solenoid 1 or 2.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).
(32) Cleaning solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Cleaning solenoid and relay PWB (YC4) Relay PWB (YC12) and feed PWB 1 (YC17) Feed PWB 1 (YC2) and engine PWB (YC5)
	2. Defective solenoid.	Replace the cleaning solenoid.
	3. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(33) PF pickup solenoid 1, 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF pickup solenoid 1 and PF main PWB (YC5) PF pickup solenoid 2 and PF main PWB (YC14)
	2. Defective solenoid.	Replace the PF pickup solenoid 1 or 2.
	3. Defective PWB.	Replace the PF main PWB and check for correct operation (see page 1-5-71).
(34) BR feedshift solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BR feedshift solenoid and engine PWB (YC20)
	2. Defective solenoid.	Replace the BR feedshift solenoid.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-57).
(35) JS feedshift solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. JS feedshift solenoid and JS main PWB (YC2) JS main PWB (YC1) and feed PWB 1 (YC20) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective solenoid.	Replace the JS feedshift solenoid.
	3. Defective PWB.	Replace the JS main PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).

Problem	Causes	Check procedures/corrective measures
(36) The message requesting paper to be loaded is shown when paper is present on the cassette 1, 2.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper sensor 1, 2 and feed PWB 2 (YC8) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Deformed actuator.	Check visually and replace if necessary.
	3. Defective sensor.	Replace the paper sensor 1 or 2.
	4. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).
(37) The message requesting paper to be loaded is shown when paper is present on the cassette 3, 4.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper feed sensor 1 and PF main PWB (YC5) PF paper feed sensor 2 and PF main PWB (YC4)
	2. Deformed actuator.	Check visually and replace if necessary.
	3. Defective sensor.	Replace the PF paper feed sensor 1 or 2.
	4. Defective PWB.	Replace the PF main PWB and check for correct operation (see page 1-5-71).
(38) The message requesting paper to be loaded is shown when paper is present on the MP tray.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP paper sensor and relay PWB (YC3) Relay PWB (YC12) and feed PWB 1 (YC17) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Deformed actuator.	Check visually and replace if necessary.
	3. Defective sensor.	Replace the MP paper sensor.
	4. Defective PWB.	Replace the feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(39) The size of paper on the cassette 1, 2 is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper length switch 1, 2 and feed PWB 2 (YC3) Paper width switch 1, 2 and feed PWB 2 (YC3) Feed PWB 2 (YC1) and engine PWB (YC4)
	2. Defective switch.	Replace the paper length switch 1, 2 or paper width switch 1, 2.
	3. Defective PWB.	Replace the feed PWB 2 or engine PWB and check for correct operation (see page 1-5-57).
(40) The size of paper on the cassette 3, 4 is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF size detection switch 1 and PF main PWB (YC3) PF size detection switch 2 and PF main PWB (YC6)
	2. Defective switch.	Replace the PF size detection switch 1, 2.
	3. Defective PWB.	Replace the PF main PWB and check for correct operation (see page 1-5-71).

Problem	Causes	Check procedures/corrective measures
(41) The size of paper on the MP tray is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP paper length switch and relay PWB (YC2) MP paper width switch and relay PWB (YC2) Relay PWB (YC12) and feed PWB 1 (YC17) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective switch.	Replace the MP paper length switch or MP paper width switch.
	3. Defective PWB.	Replace the relay PWB, feed PWB 1 or engine PWB and check for correct operation (see page 1-5-57).
(42) A paper jam in the paper feed, paper conveying, feed-shift or eject sections is indicated when the main power switch is turned on.	1. A piece of paper torn from paper is caught around feed sensor 1, 2, MP feed sensor, middle sensor, paper conveying sensor, registration sensor, loop sensor, fuser eject sensor, duplex sensor 1, 2, eject sensor, switchback sensor, PF feed sensor 1, 2, PF paper conveying sensor 1, 2, 3, BR conveying sensor 1, 2, BR eject sensor or JSeject sensor.	Check visually and remove it, if any.
	2. Defective sensor.	Replace the feed sensor 1, 2, MP feed sensor, middle sensor, paper conveying sensor, registration sensor, loop sensor, fuser eject sensor, duplex sensor 1, 2, eject sensor, switchback sensor, PF feed sensor 1, 2, PF paper conveying sensor 1, 2, 3, BR conveying sensor 1, 2, BR eject sensor or JS eject sensor.
(43) A message indicating cover open is displayed when the front upper cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Front cover switch and front PWB (YC8) Front PWB (YC2) and engine PWB (YC8)
	2. Defective switch.	Replace the front cover switch.
(44) A message indicating unit open is displayed when the paper conveying unit is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper conveying unit switch and feed PWB 1 (YC15) Feed PWB 1 (YC4) and power source PWB (YC12)
	2. Defective switch.	Replace the paper conveying unit switch.

Problem	Causes	Check procedures/corrective measures
(45) A message indicating cover open is displayed when the duplex cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Duplex cover switch and relay PWB (YC7) Relay PWB (YC1) and feed PWB 1 (YC14) Feed PWB 1 (YC1) and engine PWB (YC6)
	2. Defective switch.	Replace the duplex cover switch.
(46) A message indicating cover open is displayed when the paper conveying cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper conveying cover switch and feed PWB 2 (YC6) Feed PWB 2 (YC1) and power source PWB (YC4)
	2. Defective switch.	Replace the paper conveying cover switch.
(47) A message indicating unit open is displayed when the PF paper conveying unit is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper conveying unit switch and PF main PWB (YC14)
	2. Defective switch.	Replace the PF paper conveying unit switch.
(48) A message indicating cover open is displayed when the PF paper conveying cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper conveying cover switch and PF main PWB (YC5)
	2. Defective switch.	Replace the PF paper conveying cover switch.
(49) A message indicating unit open is displayed when the bridge conveying unit is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BR conveying unit switch and BR main PWB (YC6) BR main PWB (YC3) and engine PWB (YC20)
	2. Defective switch.	Replace the BR conveying unit switch.
(50) A message indicating cover open is displayed when the bridge eject cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BR eject cover switch and engine PWB (YC20)
	2. Defective switch.	Replace the BR eject cover switch.

Problem	Causes	Check procedures/corrective measures
(51) DP feed motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP feed motor and DP main PWB (YC5)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the DP feed motor.
	4. Defective PWB.	Replace the DP main PWB and check for correct operation.
(52) DP registration motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP registration motor and DP main PWB (YC5)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the DP registration motor.
	4. Defective PWB.	Replace the DP main PWB and check for correct operation.
(53) DP conveying motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP conveying motor and DP main PWB (YC14)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the DP conveying motor.
	4. Defective PWB.	Replace the DP main PWB and check for correct operation.
(54) DP eject motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP eject motor and DP main PWB (YC14)
	2. Defective connector cable or poor contact in the connector.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the DP eject motor.
	4. Defective PWB.	Replace the DP main PWB and check for correct operation.
(55) DP fan motor 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP fan motor 1 and DP main PWB (YC7)
	2. Defective fan motor.	Replace the DP fan motor 1.
	3. Defective PWB.	Replace the DP main PWB and check for correct operation.

Problem	Causes	Check procedures/corrective measures
(56) DP fan motor 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP fan motor 2 and DP main PWB (YC8)
	2. Defective fan motor.	Replace the DP fan motor 2.
	3. Defective PWB.	Replace the DP main PWB and check for correct operation.
(57) An original jams when the main power switch is turned on.	1. A piece of paper torn from an original is caught around the DP feed sensor, DP CIS sensor, DP timing sensor, DP eject sensor.	Check visually and remove it, if any.
	2. Defective sensor.	Replace the DP feed sensor, DP CIS sensor, DP timing sensor or DP eject sensor.
(58) The LED lamp does not turn on when an original is present on the DP.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP original sensor and DP main PWB (YC2) DP LED PWB and DP main PWB (YC4_B)
	2. Defective sensor.	Replace the DP original sensor.
	3. Defective PWB.	Replace the DP LED PWB or DP main PWB and check for correct operation.
(59) The size of the original on the DP is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP original width switch and DP main PWB (YC2) DP original length switch and DP main PWB (YC2)
	2. Defective switch.	Replace the DP original width switch or DP original length switch.
	3. Defective PWB.	Replace the DP main PWB and check for correct operation.
(60) A message indicating the cover is open is displayed when the DP top cover is closed.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP interlock switch and DP main PWB (YC6)
	2. Defective switch.	Replace the DP interlock switch.
(61) The table is scanned when DP is closed and the original is set.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP open/close switch and DP main PWB (YC4_B)
	2. Defective DP shutting.	Check the hinges and DP reading guide.
	3. Defective switch.	Replace the DP open/close switch.
	4. Defective PWB.	Replace the DP main PWB and check for correct operation.

1-4-8 Mechanical problems

If the part causing the problem was not supplied, use the unit including the part for replacement.

Problem	Causes/check procedures	Corrective measures
(1) No primary paper feed.	Check if the surfaces of the following rollers are dirty with paper powder. Forwarding pulley Paper feed pulley MP paper feed pulley PF forwarding pulley PF paper feed pulley	Clean with isopropyl alcohol.
	Check if the following rollers is deformed. Forwarding pulley Paper feed pulley MP paper feed pulley PF forwarding pulley PF paper feed pulley	Check visually and replace any deformed (see page 1-5-9, 1-5-10, 1-5-15).
	Defective paper feed clutch 1, 2, MP paper feed clutch or PF paper feed clutch 1, 2 installation.	Check visually and remedy if necessary.
(2) No secondary paper feed.	Check if the surfaces of the following rollers are dirty with paper powder. Right registration roller Left registration roller	Clean with isopropyl alcohol.
	Defective registration motor installation.	Check visually and remedy if necessary.
(3) Skewed paper feed.	Paper width guide in a cassette installed incorrectly.	Check the paper width guide visually and remedy or replace if necessary.
(4) Multiple sheets of paper are fed.	Check if the paper is excessively curled.	Change the paper.
	Paper is loaded incorrectly.	Load the paper correctly.
	Check if the separation pulley is worn.	Replace the separation pulley if it is worn (see page 1-5-9, 1-5-10, 1-5-15).
(5) Paper jams.	Check if the paper is excessively curled.	Change the paper.
	Check if the contact between the right and left registration rollers is correct.	Check visually and remedy if necessary.
	Check if the heat roller or press roller is extremely dirty or deformed.	Check visually and replace the fuser unit (see page 1-5-47).
	Check if the contact between the PF feed roller 1, 2 and PF feed pulleys is correct.	Check visually and remedy if necessary.
(6) Toner drops on the paper conveying path.	Check if the drum unit or developer unit is extremely dirty.	Clean the drum unit or developer unit.

Problem	Causes/check procedures	Corrective measures
(7) Abnormal noise is heard.	Check if the rollers, pulleys and gears operate smoothly.	Grease the bushes and gears.
	Check if the following clutches are installed correctly. Paper feed clutch 1, 2 Assist clutch 1, 2 Paper conveying clutch MP paper feed clutch PF paper feed clutch 1, 2 PF paper conveying clutch 1, 2, 3	Check visually and remedy if necessary.
(8) No primary original feed.	Check if the surfaces of the following pulleys are dirty with paper powder. DP forwarding pulley DP feed belt	Clean with isopropyl alcohol.
	Check if the following pulleys is deformed. DP forwarding pulley DP original feed belt	Check visually and replace any deformed (see page 1-5-86).
(9) Multiple sheets of original are fed.	Original is not correctly set.	Set the original correctly.
	Check if the DP separation pulley is worn.	Replace the DP separation pulley if it is worn (see page 1-5-90).
(10) Originals jam.	Originals being used do not conform with the specifications.	Use only originals conforming to the specifications.
	Check if the surfaces of the following pulleys are dirty with paper powder. DP forwarding pulley DP feed belt	Clean with isopropyl alcohol.
	Check if the contact between the DP registration roller and DP registration pulley is correct.	Check visually and remedy if necessary.
	Check if the contact between the DP upper conveying roller and DP conveying pulley is correct.	Check visually and remedy if necessary.
	Check if the contact between the DP left conveying roller and DP conveying pulley is correct.	Check visually and remedy if necessary.
	Check if the contact between the DP right conveying roller and DP conveying pulley is correct.	Check visually and remedy if necessary.
	Check if the contact between the DP eject roller and DP eject pulley is correct.	Check visually and remedy if necessary.

1-4-9 Send error code

This section describes the scanning errors and descriptions, preventive actions, as well as corrective actions. Error codes not described here could fall within software errors.

If such an error is encountered, turn power off then on, and advise the service representative.

(1) Scan to SMB error codes

Code	Contents	Check procedures/corrective measures
1101	Host destined does not exist on the network.	<ol style="list-style-type: none"> 1. Confirm destined host. 2. Confirm device's network parameters. 3. Confirm the network parameters the device is connected.
1102	Login to the host has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Confirm the network parameters the device is connected. 3. Check the host if the folder is properly shared.
1103	Destined host, folder, and/or file names are invalid.	<ol style="list-style-type: none"> 1. Check illegal characters are not contained within these names. 2. Check the name of the folder and files conform with the naming syntax. 3. Confirm destined host and folder.
1105	SMB protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's SMB protocols.
2101	Login to the host has failed.	<ol style="list-style-type: none"> 1. Confirm destined host. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the SMB port number. 4. Confirm device's network parameters. 5. Confirm the network parameters the device is connected.
2201	Writing scanned data has failed.	<ol style="list-style-type: none"> 1. Check the scanning file name. 2. Confirm device's network parameters. 3. Confirm the network parameters the device is connected.
2203	No response from the host during a certain period of time.	<ol style="list-style-type: none"> 1. Confirm the network parameters the device is connected. 2. Confirm that the LAN cable is properly connected to the device.

(2) Scan to FTP error codes

Code	Contents	Check procedures/corrective measures
1101	FTP server does not exist on the network.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Confirm device's network parameters. 3. Confirm the network parameters the device is connected.
1102	Login to the FTP server has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Check the FTP server name.
1103	Destined folder is invalid.	<ol style="list-style-type: none"> 1. Check illegal characters are not contained within these names. 2. Check the FTP server name.
1105	FTP protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's FTP protocols.
1131	Initializing TLS has failed.	<ol style="list-style-type: none"> 1. Confirm device's security parameters.
1132	TLS negotiation has failed.	<ol style="list-style-type: none"> 1. Confirm device's security parameters. 2. Check the FTP server name.
2101	Access to the FTP server has failed.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the FTP port number. 4. Confirm device's network parameters. 5. Confirm the network parameters the device is connected. 6. Check the FTP server name.
2102	Access to the FTP server has failed. (Connection timeout)	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Check the FTP port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the FTP server name.
2103	The server cannot establish communication.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Check the FTP port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the FTP server name.
2201	Connection with the FTP server has failed.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected. 3. Confirm destined folder. 4. Check the FTP server name.
2202	Connection with the FTP server has failed. (Timeout)	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
2203	No response from the server during a certain period of time.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.

Code	Contents	Check procedures/corrective measures
2231	Connection with the FTP server has failed. (FTPS communication)	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
3101	FTP server responded with an error.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected. 3. Check the FTP server.

(3) Scan to E-mail error codes

Code	Contents	Check procedures/corrective measures
1101	SMTP/POP3 server does not exist on the network.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Confirm device's network parameters. 3. Confirm the network parameters the device is connected.
1102	Login to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Check the SMTP/POP3 server.
1104	The domain the destined address belongs is prohibited by scanning restriction.	<ol style="list-style-type: none"> 1. Confirm device's SMTP parameters.
1105	SMTP protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's SMTP protocols.
1106	Sender's address is not specified.	<ol style="list-style-type: none"> 1. Confirm device's SMTP protocols.
2101	Connection to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the SMTP/POP3 port number. 4. Confirm device's network parameters. 5. Confirm the network parameters the device is connected. 6. Check the SMTP/POP3 server.
2102	Connection to the SMTP/POP3 server has failed. (Connection timeout)	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Check the SMTP/POP3 port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the SMTP/POP3 server.
2103	The server cannot establish communication.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Check the SMTP/POP3 port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the SMTP/POP3 server.
2201	Connection to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.

Code	Contents	Check procedures/corrective measures
2202	Connection to the SMTP/POP3 server has failed. (Timeout)	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
2204	The size of scanning exceeded its limit.	<ol style="list-style-type: none"> 1. Confirm device's network parameters.
3101	SMTP/POP3 server responded with an error.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected. 3. Check the SMTP/POP3 server.
3102	Error: Server Response.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server. 2. Wait a minute and try again.
3201	No SMTP authentication is found.	<ol style="list-style-type: none"> 1. Check the SMTP server. The device supports SMTP authentication services including CRAM-MD5, DIGEST-MD5, PLAIN and LOGIN.
4803	Failed to establish the SSL session.	<ol style="list-style-type: none"> 1. Verify the self certificate of the device. 2. Check the server certificate of the SMTP/POP3 server. 3. Check the SMTP/POP3 configuration of the device and the SMTP/POP3 server.

1-4-10 Error codes

(1) Error code

Error codes are listed on the communication reports, activity report, etc. The codes consist of an error code indication U followed by a 5-digit number. (Error codes for V34 communication errors start with an E indication, followed by five digits.)

The upper three of the five digits indicate general classification of the error and its cause, while the lower two indicate the detailed classification. Items for which detailed classification is not necessary have 00 as the last two digits.

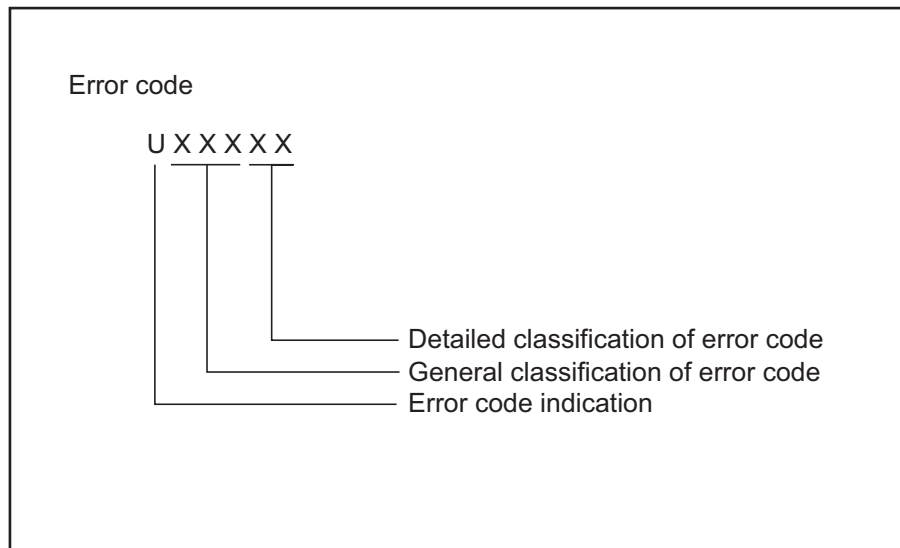


Figure 1-4-4

(2) Table of general classification

Error code	Description
U00000	No response or busy after the set number of redials.
U00100	Transmission was interrupted by a press of the stop/clear key.
U00200	Reception was interrupted by a press of the stop/clear key.
U00300	Recording paper on the destination unit has run out during transmission.
U004XX	A connection was made but interrupted during handshake with the receiver unit (refer to P.1-4-254 U004XX error code table).
U006XX	Communication was interrupted because of a machine problem (refer to P.1-4-254 U006XX error code table).
U00700	Communication was interrupted because of a problem in the destination unit.
U008XX	A page transmission error occurred in G3 mode (refer to P.1-4-254 U008XX error code table).
U009XX	A page reception error occurred in G3 mode (refer to P.1-4-254 U009XX error code table).
U010XX	Transmission in G3 mode was interrupted by a signal error (refer to P.1-4-255 U010XX error code table).
U011XX	Reception in G3 mode was interrupted by a signal error (refer to P.1-4-256 U011XX error code table).
U01400	An invalid one-touch key was specified during communication.
U01500	A communication error occurred when calling in V.8 mode.
U01600	A communication error occurred when called in V.8 mode.
U017XX	A communication error occurred before starting T.30 protocol during transmission in V.34 mode (refer to P.1-4-257 U017XX error code table).
U018XX	A communication error occurred before starting T.30 protocol during reception in V.34 mode (refer to P.1-4-257 U018XX error code table).
U03000	No document was present in the destination unit when polling reception started.
U03200	In interoffice subaddress-based bulletin board reception, data was not stored in the box specified by the destination unit.
U03300	In polling reception from a unit of our make, operation was interrupted due to a mismatch in permit ID or telephone number. Or, in interoffice subaddress-based bulletin board reception, operation was interrupted due to a mismatch in permit ID or telephone number.
U03400	Polling reception was interrupted because of a mismatch in individual numbers (destination unit is either of our make or by another manufacturer).
U03500	In interoffice subaddress-based bulletin board reception, the specified Subaddress confidential box number was not registered in the destination unit.
U03600	An interoffice subaddress-based bulletin board reception was interrupted because of a mismatch in the specified subaddress confidential box number.
U03700	Interoffice subaddress-based bulletin board reception failed because the destination unit had no subaddress-based bulletin board transmission capability, or data was not stored in any subaddress confidential box in the destination unit.

Error code	Description
U04000	In interoffice subaddress-based transmission mode, the specified subaddress box number was not registered in the destination unit.
U04100	Subaddress-based transmission failed because the destination unit had no subaddress-based reception capability.
U04200	In encrypted transmission, the specified encryption box was not registered in the destination unit.
U04300	Encrypted transmission failed because the destination unit had no encrypted communication capability.
U04400	Encrypted transmission was interrupted because encryption keys did not agree.
U04500	Encrypted reception was interrupted because of a mismatch in encryption keys.
U05100	Password check transmission or restricted transmission was interrupted because the permit ID's did not agree with.
U05200	Password check reception or restricted reception was interrupted because the permit ID's did not match, the rejected FAX number's did match, or the destination receiver did not return its phone number.
U05300	The password check reception or the restricted reception was interrupted because the permitted numbers did not match, the rejected numbers did match, or the machine in question did not acknowledge its phone number.
U14000	Memory overflowed during confidential reception. Or, in subaddress-based confidential reception, memory overflowed.
U14100	In interoffice subaddress-based transmission, memory overflowed in the destination unit.
U19000	Memory overflowed during memory reception.
U19100	Memory overflowed in the destination unit during transmission.
U19300	Transmission failed because an error occurred during JBIG encoding.

(2-1) U004XX error code table: Interrupted phase B

Error code	Description
U00430	Polling request was received but interrupted because of a mismatch in permit number. Or, subaddress-based bulletin board transmission request was received but interrupted because of a mismatch in permit ID in the transmitting unit.
U00431	An subaddress-based bulletin board transmission was interrupted because the specified subaddress confidential box was not registered.
U00432	An subaddress-based bulletin board transmission was interrupted because of a mismatch in Subaddress confidential box numbers.
U00433	Subaddress-based bulletin board transmission request was received but data was not present in the subaddress confidential box.
U00440	Subaddress-based confidential reception was interrupted because the specified subaddress box was not registered.
U00450	The destination transmitter disconnected because the permit ID's did not agree with while the destination transmitter is in password-check transmission or restricted transmission.
U00460	Encrypted reception was interrupted because the specified encryption box number was not registered.
U00462	Encrypted reception was interrupted because the encryption key for the specified encryption box was not registered.

(2-2) U006XX error code table: Problems with the unit

Error code	Description
U00601	Document jam or the document length exceeds the maximum.
U00613	Image writing section problem
U00656	Data was not transmitted to a modem error.
U00690	System error.

(2-3) U008XX error code table: Page transmission error

Error code	Description
U00800	A page transmission error occurred because of reception of a RTN or PIN signal.
U00811	A page transmission error reoccurred after retry of transmission in the ECM mode.

(2-4) U009XX error code table: Page reception error

Error code	Description
U00900	An RTN or PIN signal was transmitted because of a page reception error.
U00910	A page reception error remained after retry of transmission in the ECM mode.

(2-5) U010XX error code table: G3 transmission

Error code	Description
U01000	An FTT signal was received for a set number of times after TCF signal transmission at 2400 bps. Or, an RTN signal was received in response to a Q signal (excluding EOP) after transmission at 2400 bps.
U01001	Function of the unit differs from that indicated by a DIS signal.
U01016	An MCF signal was received but no DIS signal was received after transmission of an EOM signal, and T1 timeout was detected.
U01019	No relevant signal was received after transmission of a CNC signal, and the preset number of command retransfers was exceeded (between units of our make).
U01020	No relevant signal was received after transmission of a CTC signal, and the preset number of command retransfers was exceeded (ECM).
U01021	No relevant signal was received after transmission of an EOR.Q signal, and the preset number of command retransfers was exceeded (ECM).
U01022	No relevant signal was received after transmission of an RR signal, and the preset number of command retransfers was exceeded (ECM).
U01028	T5 time-out was detected during ECM transmission (ECM).
U01052	A DCN signal was received after transmission of an RR signal (ECM).
U01080	A PIP signal was received after transmission of a PPS.NULL signal.
U01092	During transmission in V.34 mode, communication was interrupted because of an impossible combination of the symbol speed and communication speed.
U01093	A DCN or other inappropriate signal was received during phase B of transmission.
U01094	The preset number of command retransfers for DCS/NSS signals was exceeded during phase B of transmission.
U01095	No relevant signal was received after transmission of a PPS (Q) signal during phase D of transmission, and the preset number of command transfers was exceeded.
U01096	A DCN signal or invalid command was received during phase D of transmission.
U01097	The preset number of command retransfers was exceeded after transmission of an RR signal or no response.

(2-6) U011XX error code table: G3 reception

Error code	Description
U01100	Function of the unit differs from that indicated by a DCS signal.
U01101	Function of the unit (excl. communication mode select) differs from that indicated by an NSS signal.
U01102	A DTC (NSC) signal was received when no transmission data was in the unit.
U01110	No response after transmission of a DIS signal.
U01111	No response after transmission of a DTC (NSC) signal.
U01113	No response after transmission of an FTT signal.
U01125	No response after transmission of a CNS signal (between units of our make).
U01129	No response after transmission of an SPA signal (short protocol).
U01141	A DCN signal was received after transmission of a DTC signal.
U01143	A DCN signal was received after transmission of an FTT signal.
U01155	A DCN signal was received after transmission of an SPA signal (short protocol).
U01160	During message reception, transmission time exceeded the maximum transmission time per line.
U01162	Reception was aborted due to a modem malfunction during message reception.
U01191	Communication was interrupted because an error occurred during an image data reception sequence in the V.34 mode.
U01193	There was no response, or a DCN signal or invalid command was received, during phase C/D of reception.
U01194	A DCN signal was received during phase B of reception.
U01195	No message was received during phase C of reception.
U01196	Error line control was exceeded and a decoding error occurred for the message being received.

(2-7) U017XX error code table: V.34 transmission

Error code	Description
U01700	A communication error occurred in phase 2 (line probing).
U01720	A communication error occurred in phase 4 (modem parameter exchange).
U01721	Operation was interrupted due to the absence of a common communication speed between units.

U01700: A communication error that occurs at the transmitting unit in the period after transmission of INFO0 before entering phase 3 (primary channel equivalent device training). For example, INFO0/A/Abar (B/Bbar, for polling transmission)/INFOh was not detected.

U01720: A communication error that occurs at the transmitting unit in the period after initiating the control channel before entering the T.30 process. For example, PPh/ALT/MPh/E was not detected.

U01721: In the absence of a common communication speed between units (including when an impossible combination of communication speed and symbol speed occurs) after MPh exchange; 1) a DCN signal was received from the destination unit, and the line was cut; or 2) a DIS (NSF, CSI) signal was received from the destination unit and, in response to the signal, the unit transmitted a DCN signal, and the line was cut.

(2-8) U018XX error code table: V.34 reception

Error code	Description
U01800	A communication error occurred in phase 2 (line probing).
U01810	A communication error occurred in phase 3 (primary channel equivalent device training).
U01820	A communication error occurred in phase 4 (modem parameter exchange).
U01821	Operation was interrupted due to the absence of a common communication speed between units.

U01800: A communication error that occurs at the receiver unit in the period after transmission of INFO0 before entering phase 3 (primary channel equivalent device training). For example, INFO0/B/Bbar (A/Abar, for polling reception)/probing tone was not detected.

U01810: A communication error that occurs at the receiver unit in phase 3 (primary channel equivalent device training). For example, S/Sbar/PP/TRN was not detected.

U01820: A communication error that occurs at the receiver unit in the period after initiating the control channel before entering the T.30 process. For example, PPh/ALT/MPh/E was not detected.

U01821: In the absence of a common communication speed between units (including when an impossible combination of communication speed and symbol speed occurs) after MPh exchange, a DCN signal was transmitted to the destination unit and the line was cut.

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1-5-1 Precautions for assembly and disassembly

(1) Precautions

Before starting disassembly, press the Power key on the operation panel to off. Make sure that the Power lamp is off before turning off the main power switch. And then unplug the power cable from the wall outlet.

When the fax kit is installed, be sure to disconnect the modular cable before starting disassembly.

When handling PWBs (printed wiring boards), do not touch parts with bare hands.

The PWBs are susceptible to static charge.

Do not touch any PWB containing ICs with bare hands or any object prone to static charge.

When removing the hook of the connector, be sure to release the hook.

Take care not to get the cables caught.

To reassemble the parts, use the original screws. If the types and the sizes of screws are not known, refer to the PARTS LIST.

(2) Drum

Note the following when handling or storing the drum.

When removing the drum unit, never expose the drum surface to strong direct light.

Keep the drum at an ambient temperature between -20°C/-4°F and 40°C/104°F and at a relative humidity not higher than 85% RH. Avoid abrupt changes in temperature and humidity.

Avoid exposure to any substance which is harmful to or may affect the quality of the drum.

Do not touch the drum surface with any object. Should it be touched by hands or stained with oil, clean it.

(3) Toner

Store the toner container in a cool, dark place.

Avoid direct light and high humidity.

(4) How to tell a genuine Kyocera toner container

As a means of brand protection, the Kyocera toner container utilizes an optical security technology to enable visual validation. A validation viewer is required to accomplish this.

Hold the validation viewer over the left side part of the brand protection seal on the toner container. Through each window of the validation viewer, the left side part of the seal should be seen as follows:

A black-colored band when seen through the left side window (●)

A shiny or gold-colored band when seen through the right side window (☀)

The above will reveal that the toner container is a genuine Kyocera branded toner container, otherwise, it is a counterfeit.

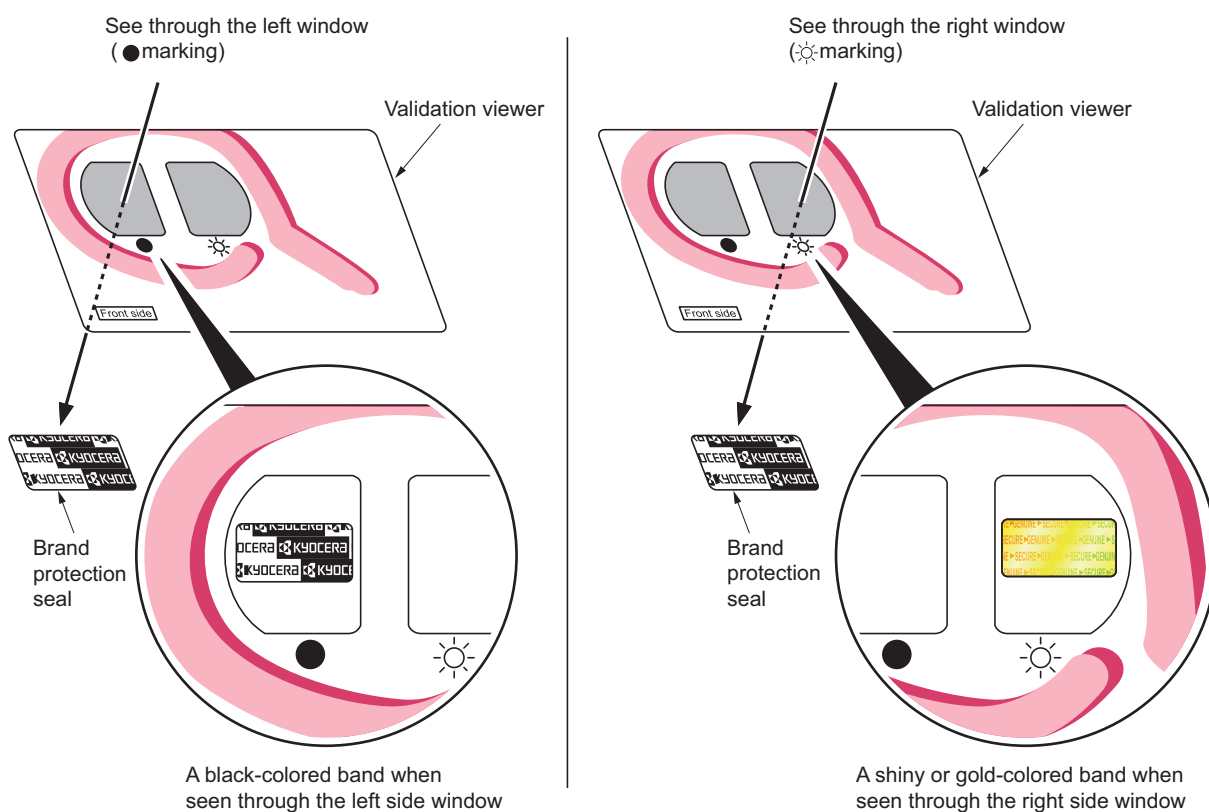


Figure 1-5-1

The brand protection seal has an incision as shown below to prohibit reuse.

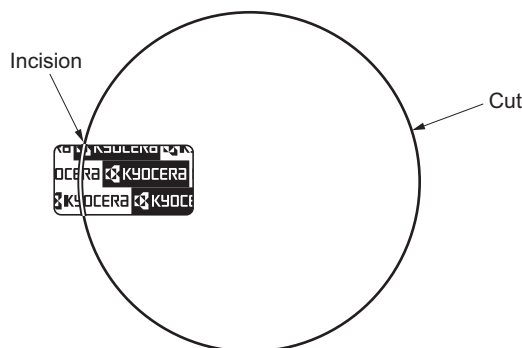


Figure 1-5-2

1-5-2 Paper feed section

(1) Detaching and refitting the primary paper feed unit

Procedure

1. Pull the cassette 1 to 4 out completely.
2. Pull the paper conveying unit out.
3. Open the paper conveying cover.
4. Remove the strap and then remove the paper conveying cover.

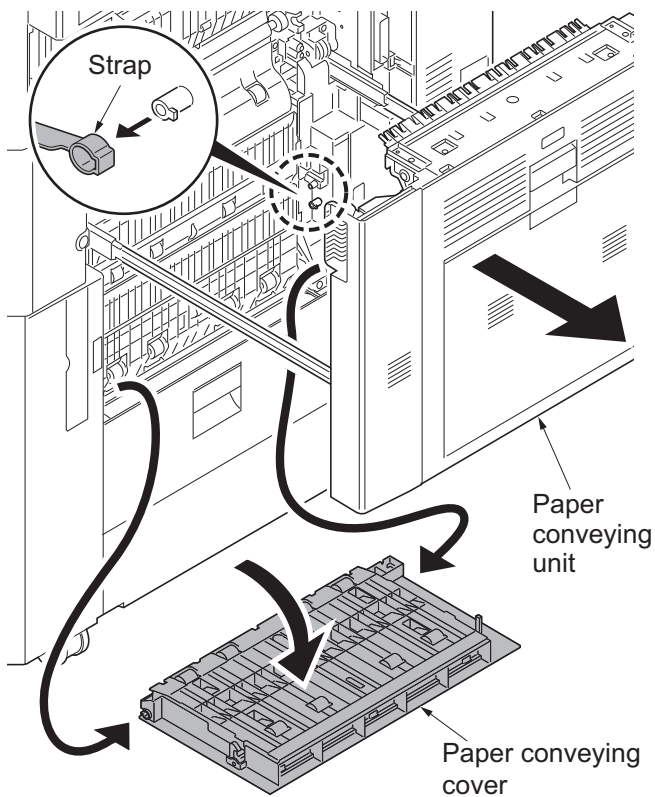


Figure 1-5-3

5. Open the PF paper conveying cover.
6. Remove the strap and then remove the PF paper conveying cover.

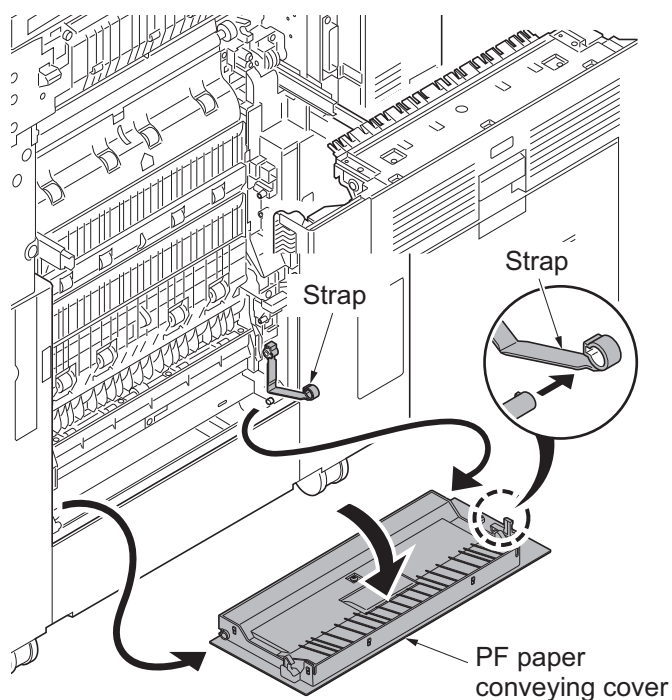


Figure 1-5-4

7. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
8. Remove the screw of the right middle rear cover.
9. Unhook two hooks using a flat blade screwdriver and then remove the interface cover
10. Remove five screws of the right lower rear cover.
11. Lift the bottom of the right middle rear cover and then remove the right lower rear cover.

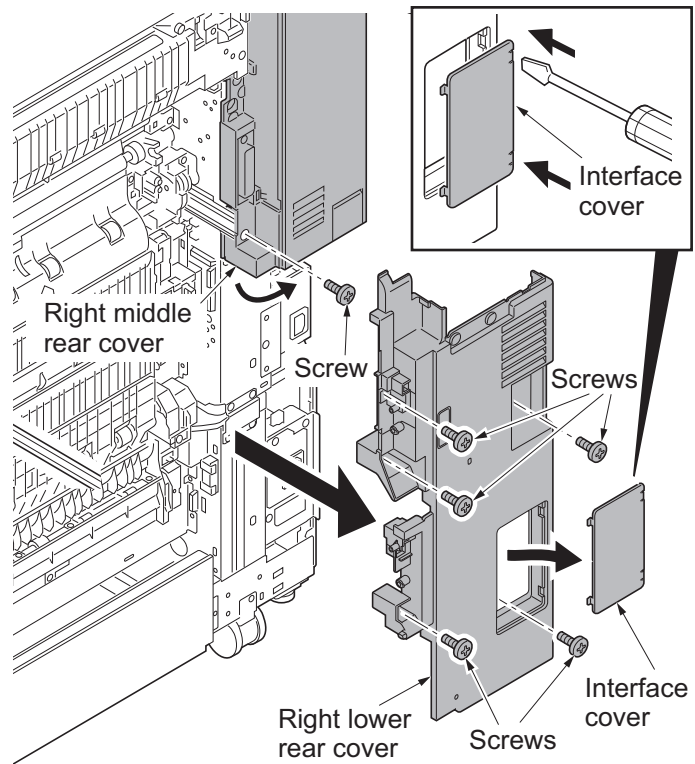


Figure 1-5-5

12. Open the handle cover.
13. Remove four screws.
14. Unhook the hook and then remove the right lower front cover.

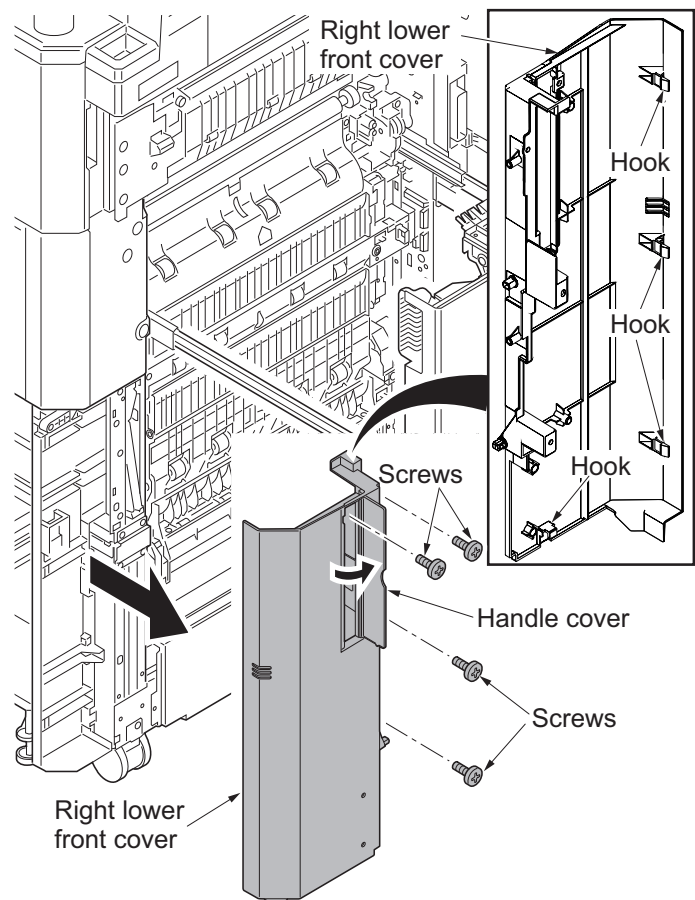


Figure 1-5-6

- 15. Release the wire saddle.
- 16. Remove two connectors.

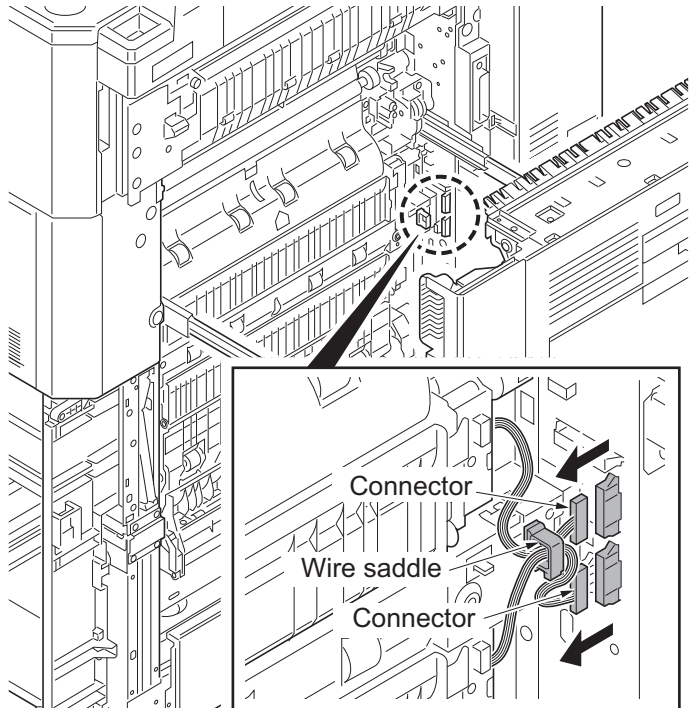


Figure 1-5-7

Remove the primary paper feed unit

- 17. Remove two screws each from primary paper feed unit.
- 18. Remove the primary paper feed unit.

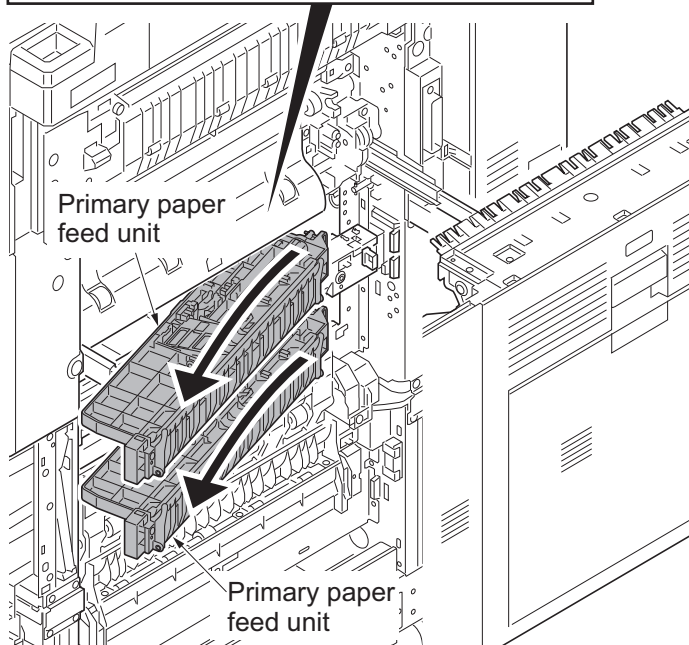
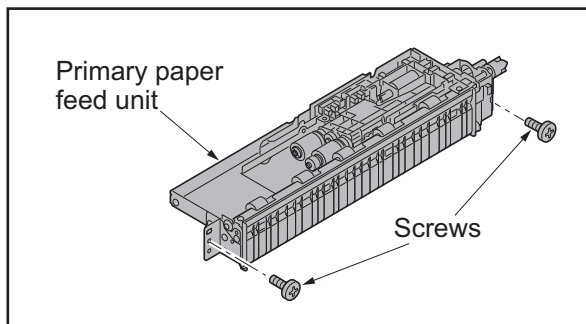


Figure 1-5-8

19. Check or replace the primary paper feed unit and refit all the removed parts.

*: When refit the primary paper feed unit, you must confirm the inserted pin to the driving coupler.

*: You must install the primary paper feed unit while pushing the retard release lever of the lower side, when the primary paper feed unit is refitted.

20. When the primary paper feed unit is replaced, perform maintenance mode U903 (clearing the jam counter) (see page 1-3-164).

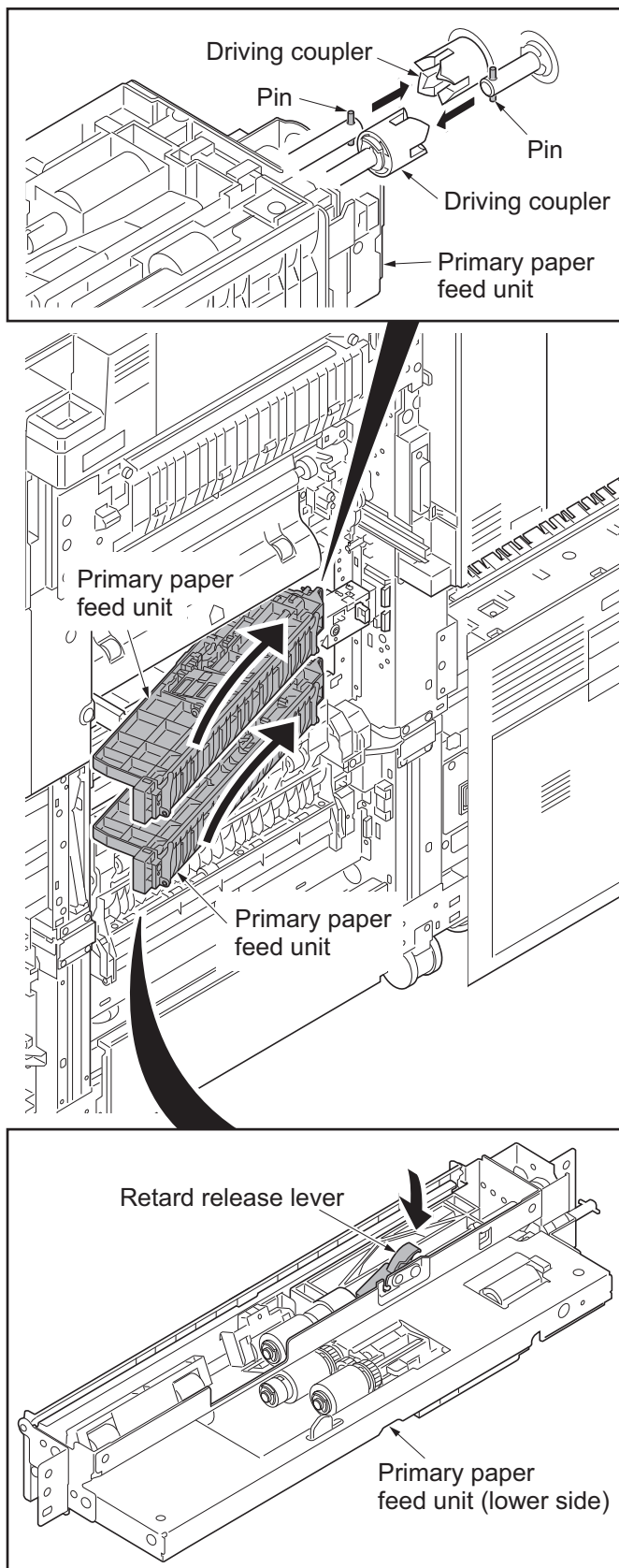
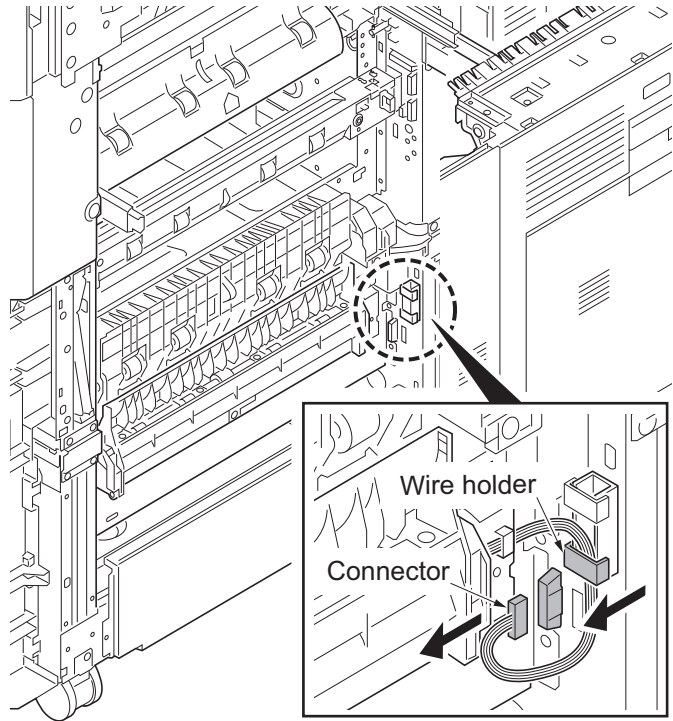


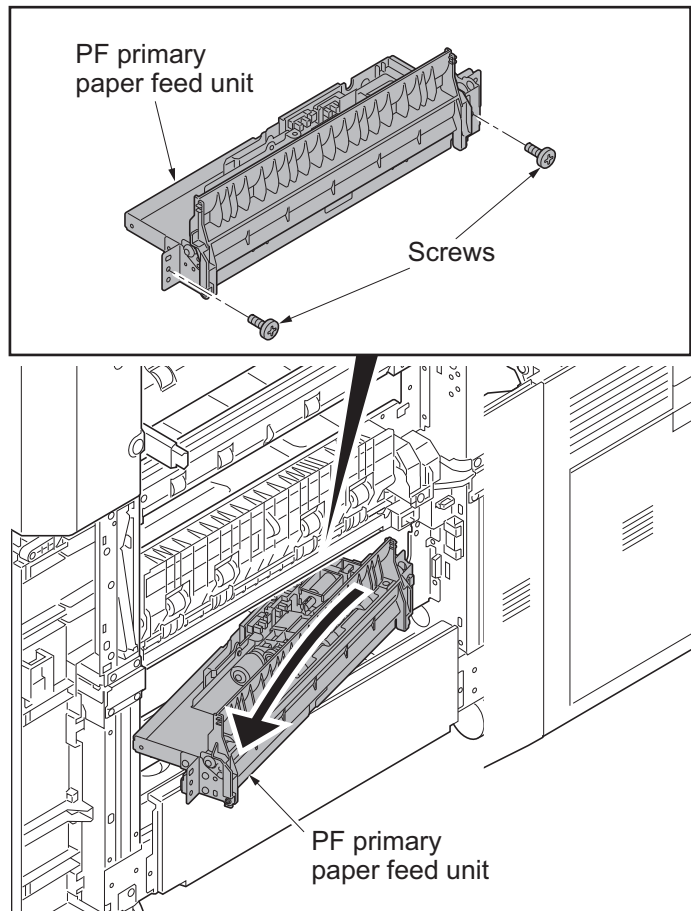
Figure 1-5-9

Remove the PF primary paper feed unit

21. Remove the wire holder.
22. Remove the connector.

**Figure 1-5-10**

23. Remove two screws from PF primary paper feed unit.
24. Remove the PF primary paper feed unit.

**Figure 1-5-11**

25. Check or replace the PF primary paper feed unit and refit all the removed parts.

*: When refit the PF primary paper feed unit, you must confirm the inserted pin to the driving coupler.

*: You must install the PF primary paper feed unit while pushing the retard release lever of the lower side, when the primary paper feed unit is refitted.

26. When the PF primary paper feed unit is replaced, perform maintenance mode U903 (clearing the jam counter) (see page 1-3-164).

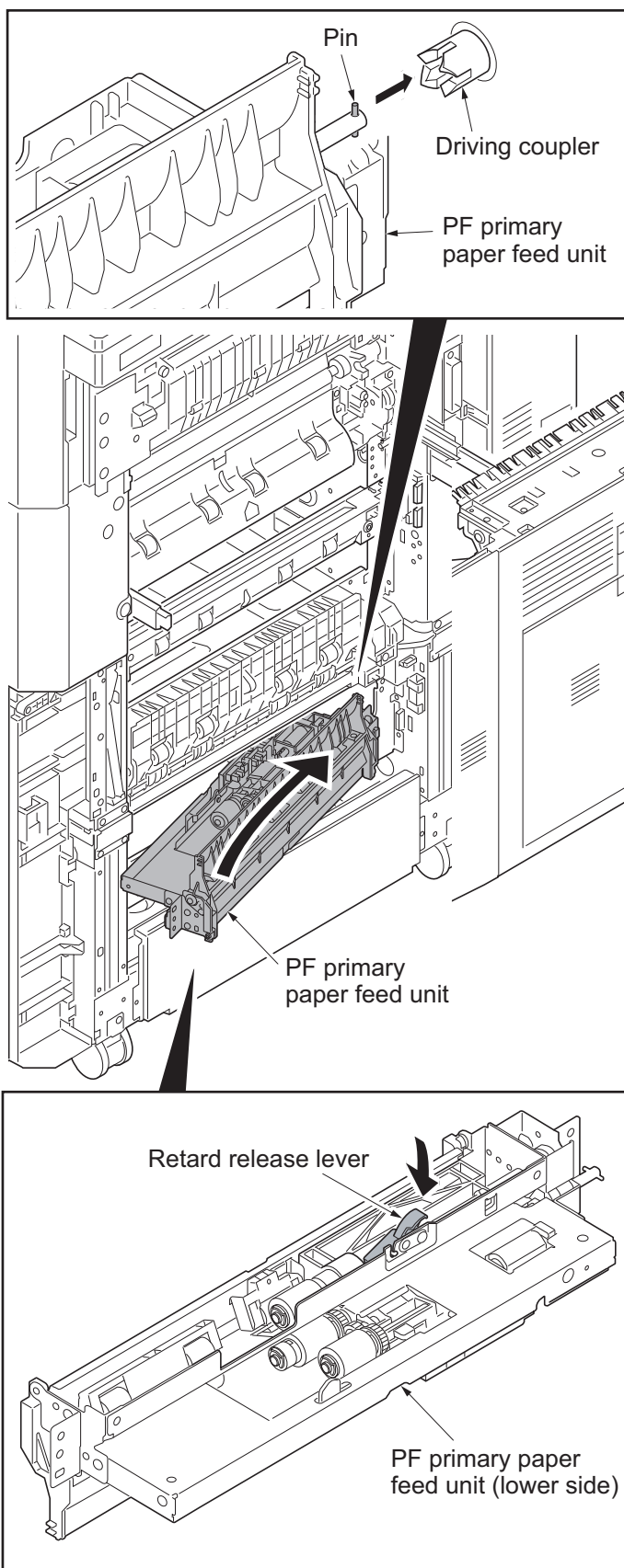


Figure 1-5-12

(2) Detaching and refitting the forwarding pulley, paper feed pulley, separation pulley, PF forwarding pulley (right), PF paper feed pulley (right) and PF separation pulley (right).

Procedure

1. Remove the primary paper feed unit or PF primary paper feed unit (see page 1-5-3).
2. Remove the stop ring A and then remove the one way clutch and the paper feed pulley.
3. Remove the stop ring B and then remove the forwarding pulley.

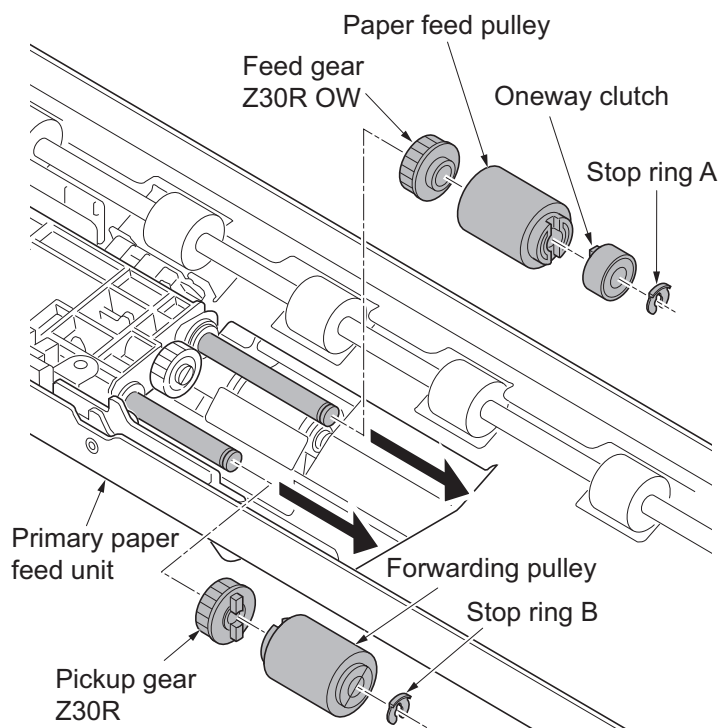


Figure 1-5-13

4. Remove the stop ring.
5. Remove the separation pulley while pushing the retard release lever.
6. Clean or replace the forwarding pulley, paper feed pulley and separation pulley.
7. Refit the forwarding pulley, paper feed pulley and separation pulley to the primary paper feed unit.
8. When the forwarding pulley, paper feed pulley or separation pulley is replaced, perform maintenance mode U903 (clearing the jam counter) (see page 1-3-164).

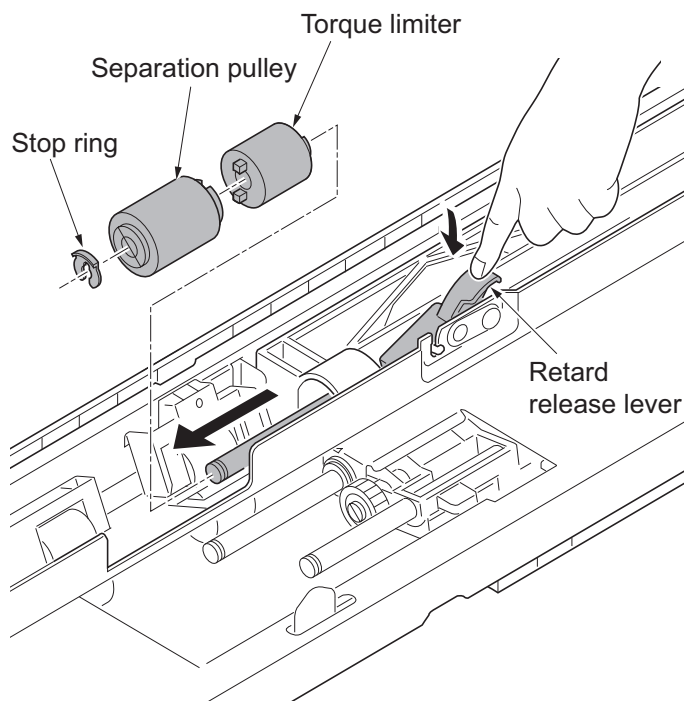


Figure 1-5-14

(3) Detaching and refitting the PF forwarding pulley (left), PF paper feed pulley (left) and PF separation pulley (left).

Procedure

1. Pull out cassette3 and 4 completely.
2. Pull the PF paper conveying unit.
3. Remove the screw and remove the stopper.
4. Remove the PF paper conveying unit.

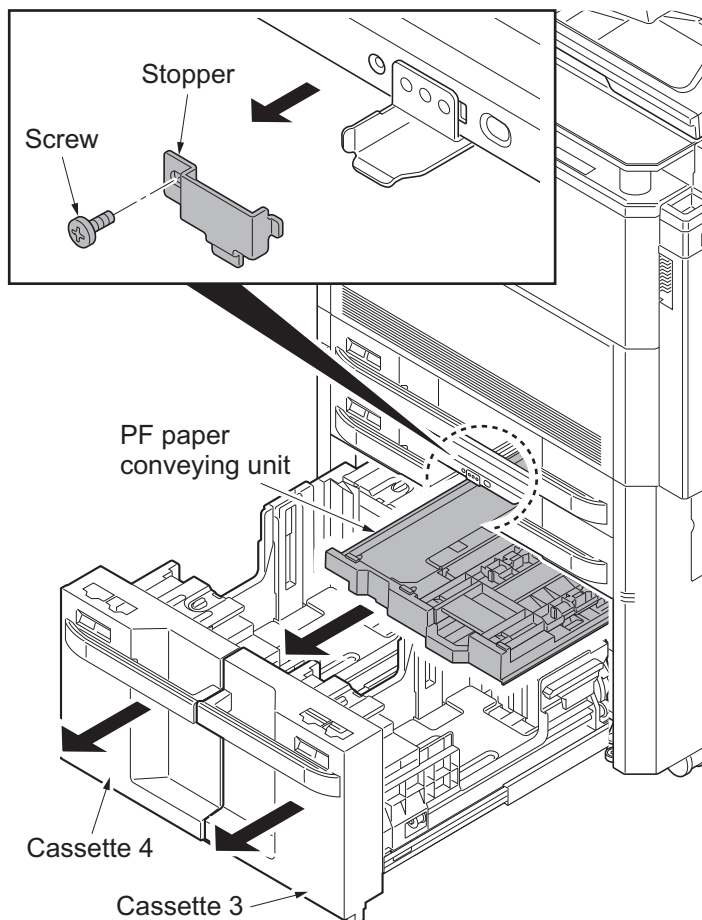


Figure 1-5-15

5. Turn the PF paper conveying unit inside out.
6. Remove the screw and then remove the cover.

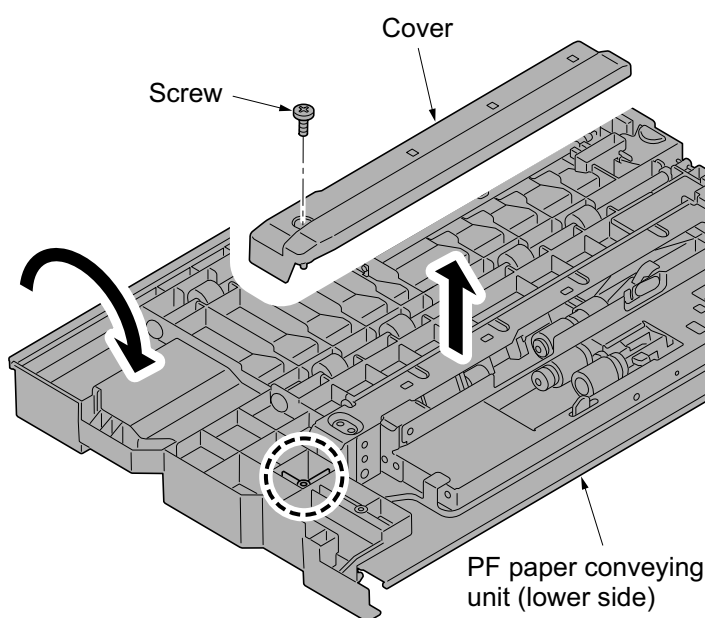


Figure 1-5-16

7. Remove the stop ring A and then remove the one way clutch and the PF paper feed pulley (left).
8. Remove the stop ring B and then remove the PF forwarding pulley (left).

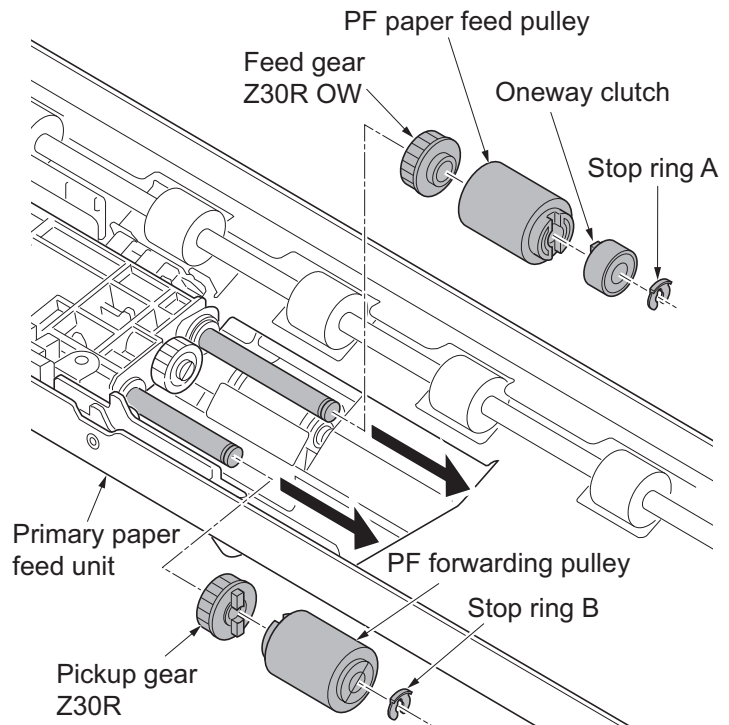


Figure 1-5-17

9. Remove the stop ring.
10. Remove the PF separation pulley (left) while pushing the retard release lever.
11. Clean or replace the PF forwarding pulley (left), PF paper feed pulley (left) and PF separation pulley (left).
12. Refit the PF forwarding pulley (left), PF paper feed pulley (left) and PF separation pulley (left) to the PF paper conveying unit.
13. When the PF forwarding pulley (left), PF paper feed pulley (left) and PF separation pulley (left) is replaced, perform maintenance mode U903 (clearing the jam counter) (see page 1-3-164).

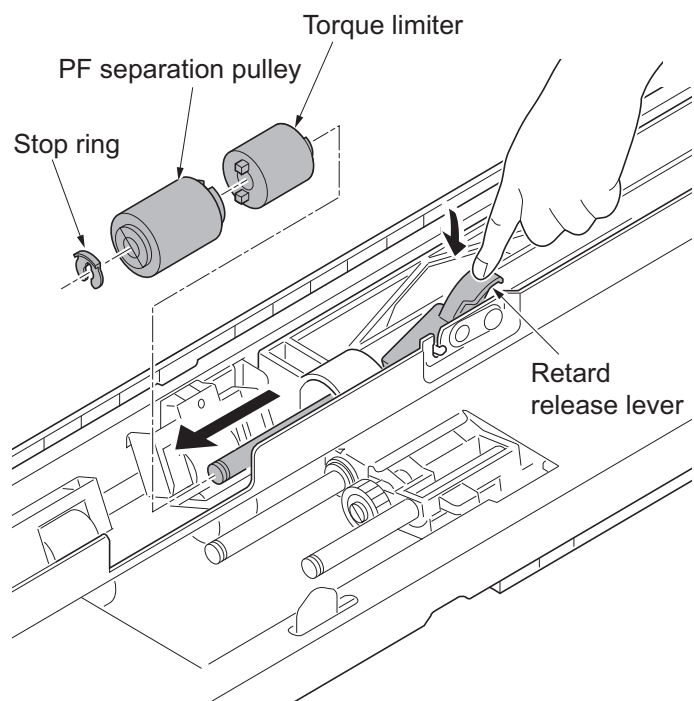


Figure 1-5-18

(4) Detaching and refitting the MP tray paper feed unit

Procedure

1. Pull the paper conveying unit out.
2. Open the MP tray.
3. Remove four screws.

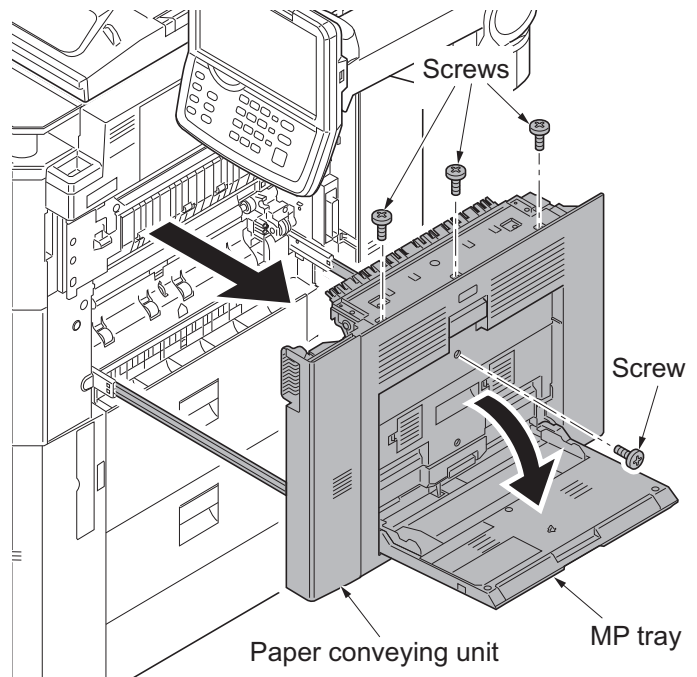


Figure 1-5-19

4. Unhook eight hooks and then remove the right cover and DU cover assembly.

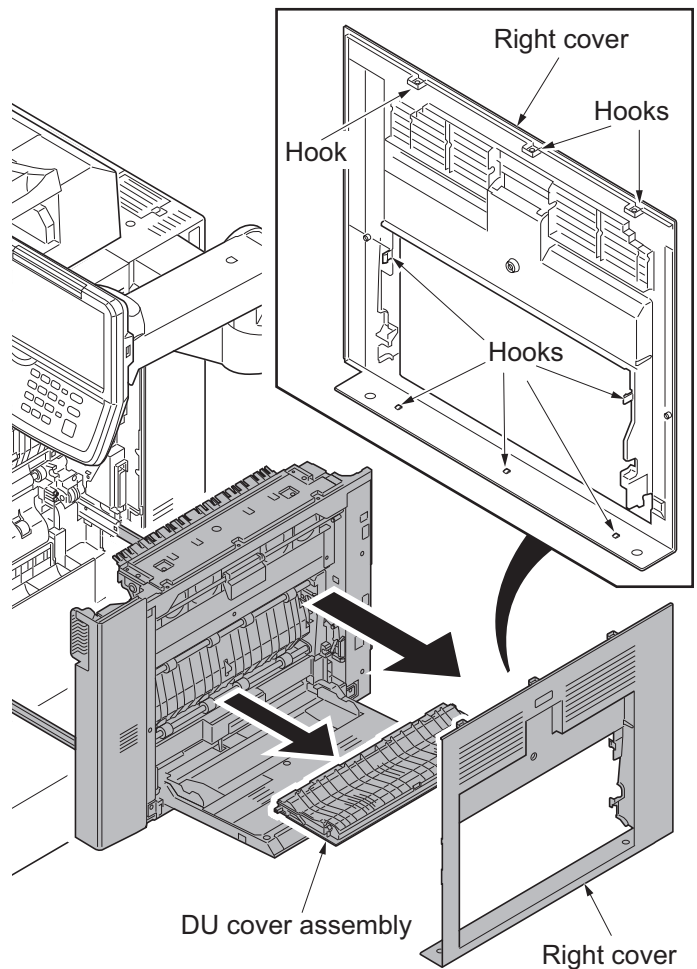


Figure 1-5-20

5. Remove two connectors.
 6. Release the wire saddle.
 7. Remove the wire saddle.
- *: To refit the wire saddle, be sure to fit in the positioning hole that was previously used.

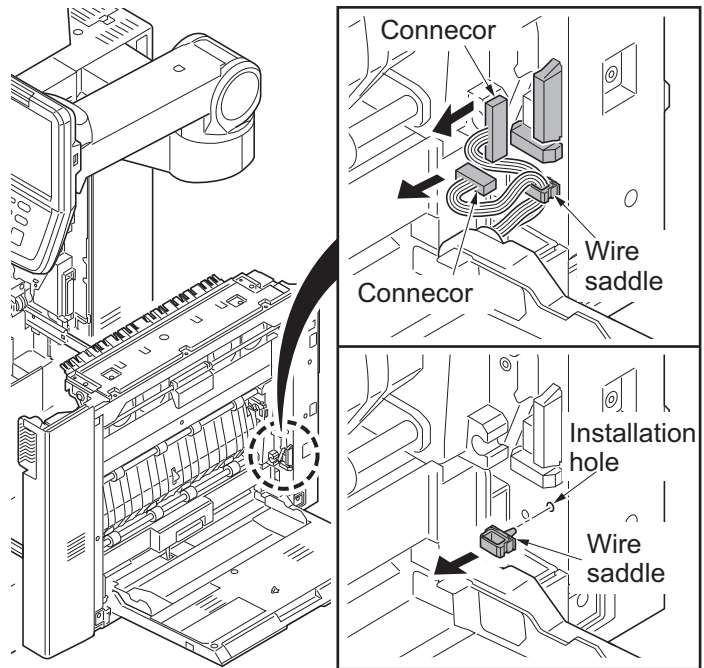


Figure 1-5-21

8. Remove the MP tray.
- *: When refitting the MP tray, insert it in the MP tray paper feed unit side by turning the lift arm.

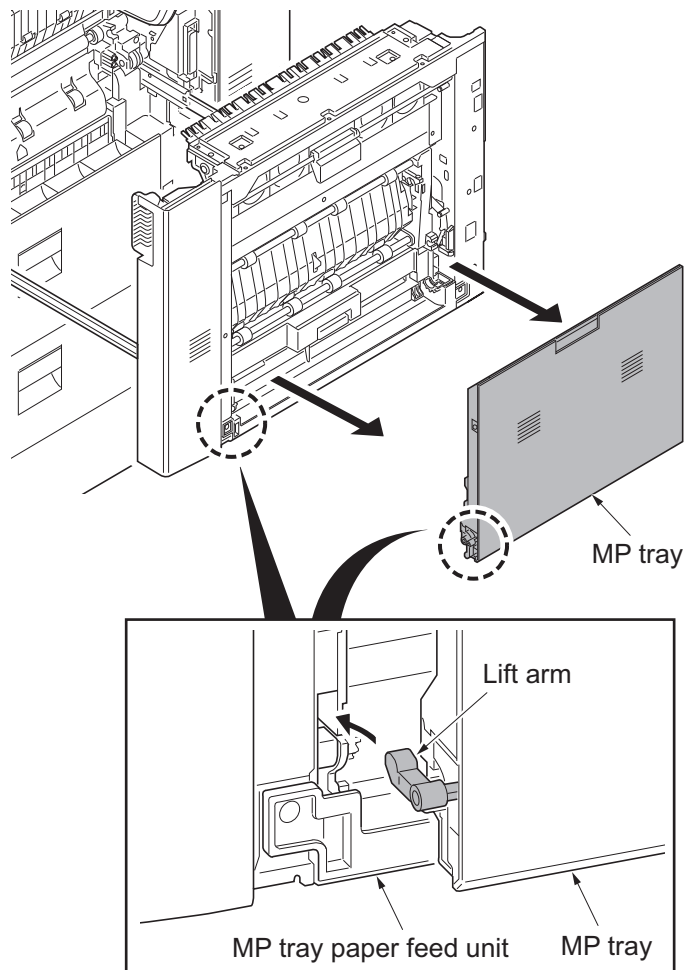


Figure 1-5-22

- 9. Remove two screws.
- 10. Remove the MP tray paper feed unit.

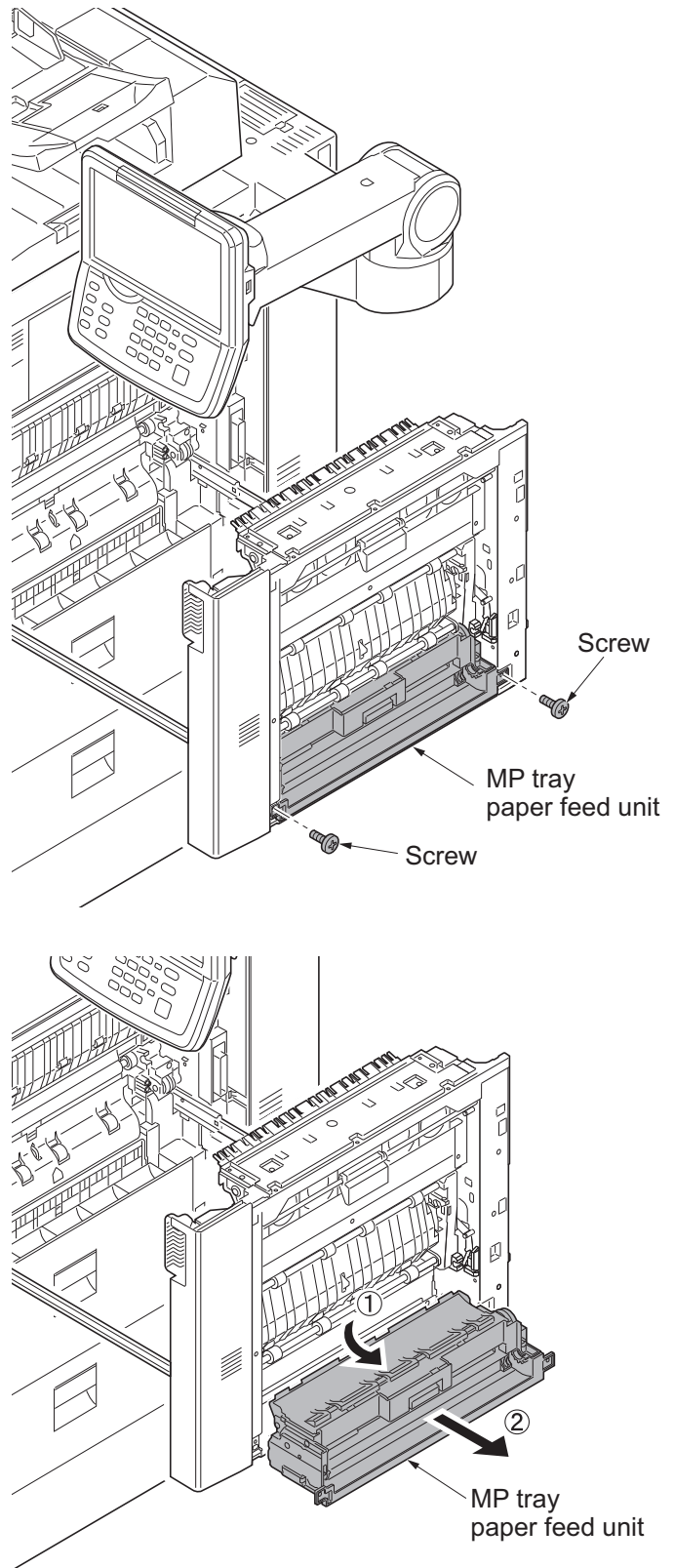


Figure 1-5-23

(5) Detaching and refitting the MP forwarding pulley, MP paper feed pulley and MP separation pulley

Procedure

1. Remove the MP tray paper feed unit (see page 1-5-10).

Detaching forwarding pulley and paper feed pulley

2. Unhook three hooks and then remove the Du lower guide.
- *: Remove the DU lower guide easily by bending the top base that the hook is hooking because the hook of the DU lower guide lacks flexibility.

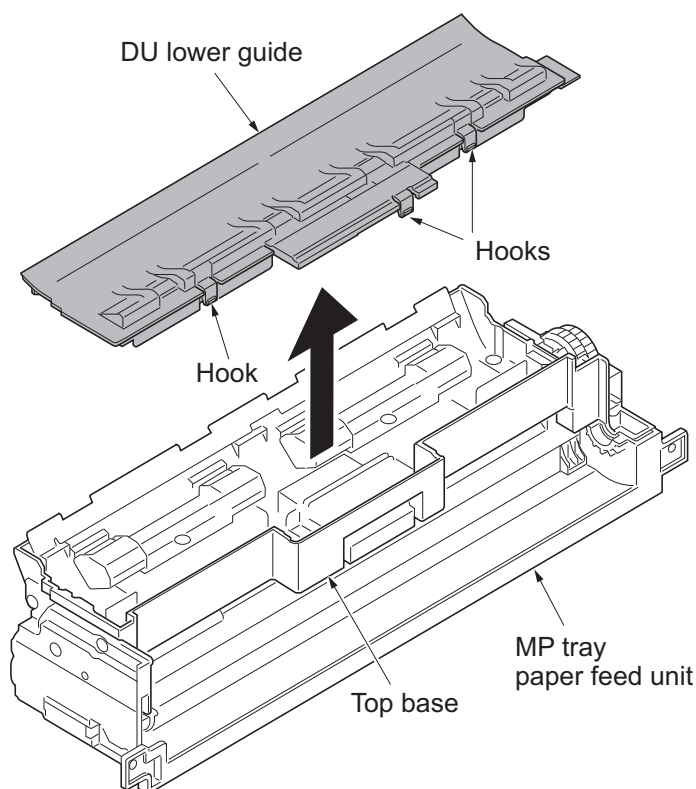


Figure 1-5-24

3. Remove the stop ring A and then slide the driving joint.
4. Slide the bush A.
5. Remove the stop ring B and then remove the bush B.

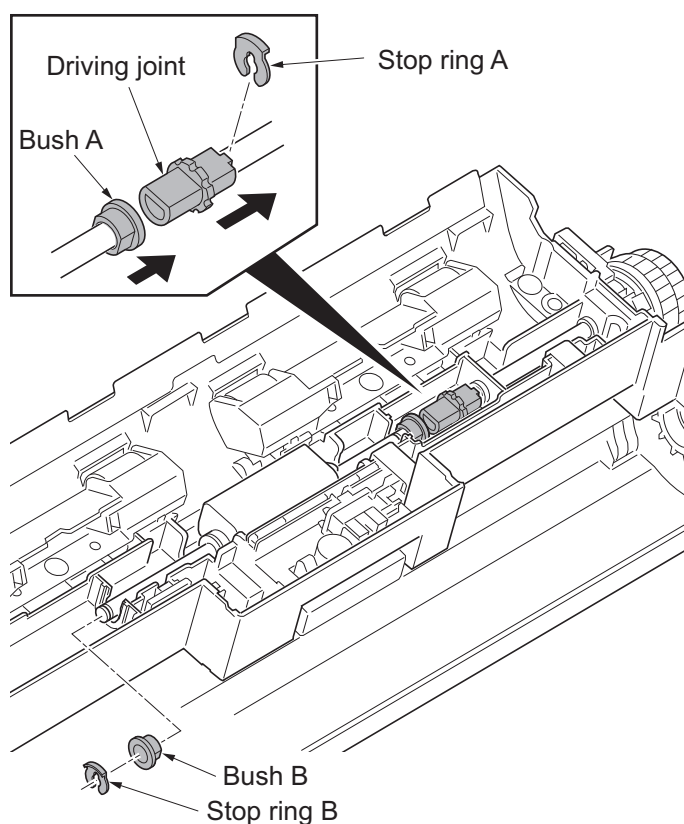


Figure 1-5-25

6. Unhook the hook of the feed holder assembly.
7. Remove the spring and the feed holder assembly from the top base.

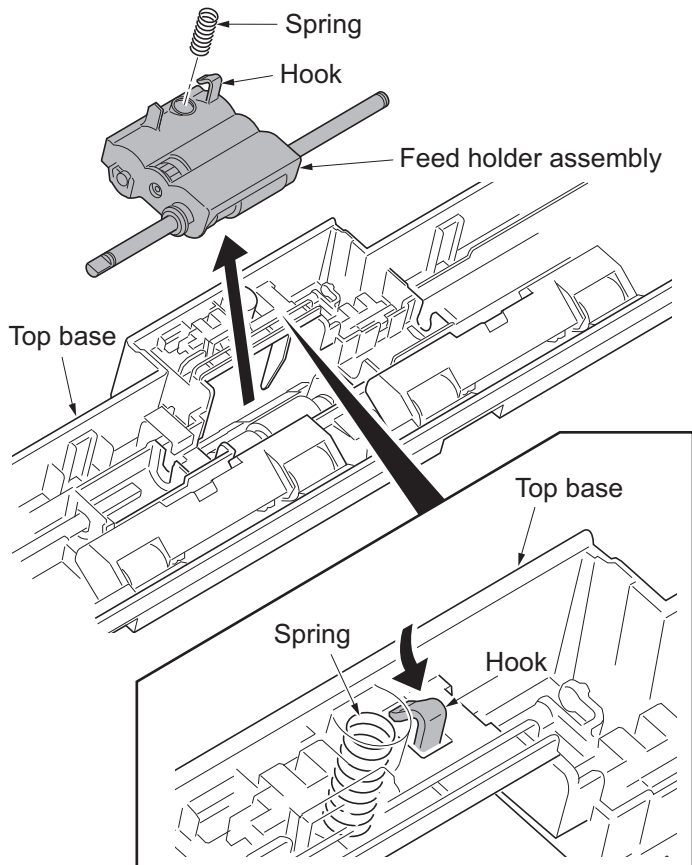


Figure 1-5-26

8. Remove two stop rings.
 9. Pull the feed MPF shaft out.
 10. Remove two bushes, one way gear Z30R and MP paper feed pulley.
- *: To refit the one-way gear Z30R, mount the gear in the correct direction as shown.

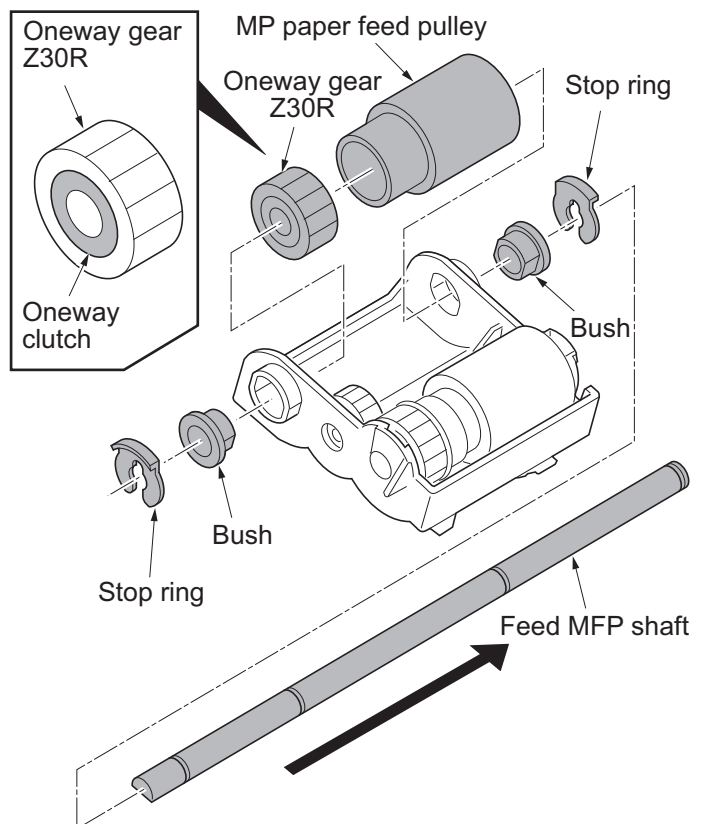


Figure 1-5-27

11. Remove the pickup MFP shaft from the axis holes of feed MFP holder.
12. Pull the pickup gear Z30R and MP forwarding pulley out from the pickup MFP shaft.

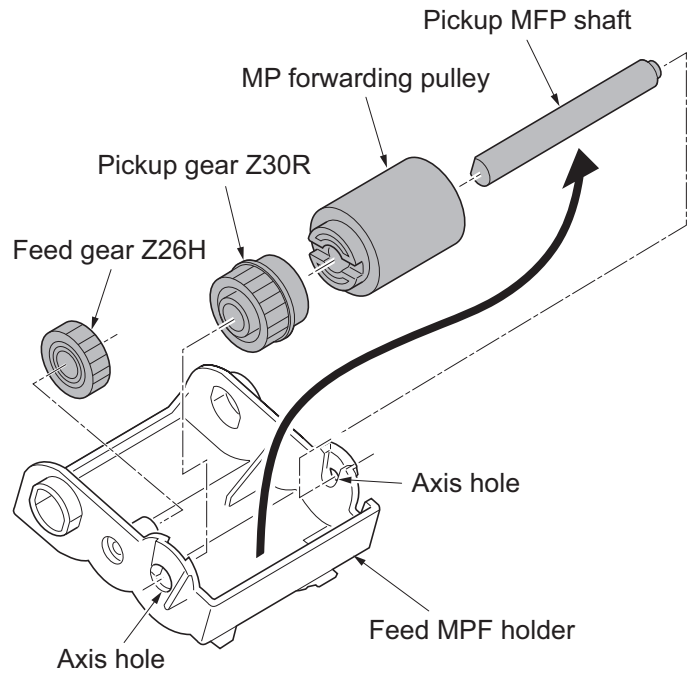


Figure 1-5-28

Detaching the MP separation pulley

13. Unhook two hooks and then remove the middle guide.

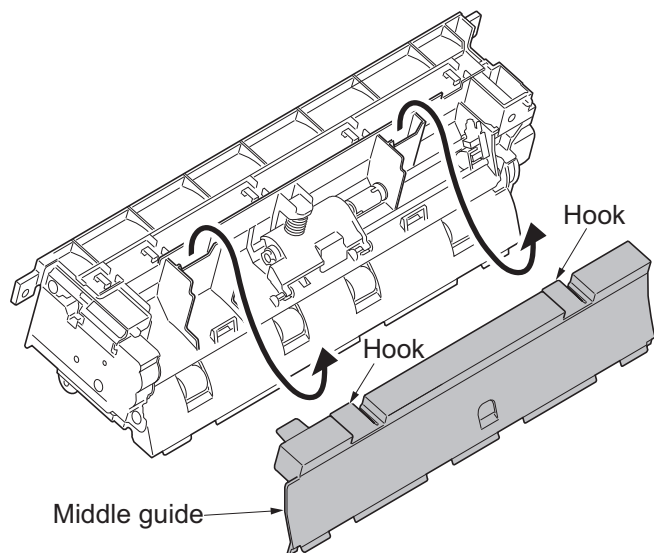
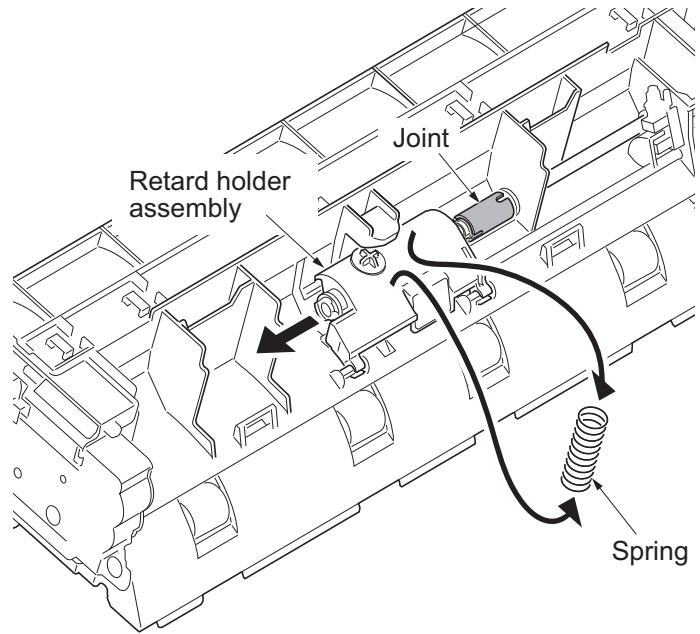
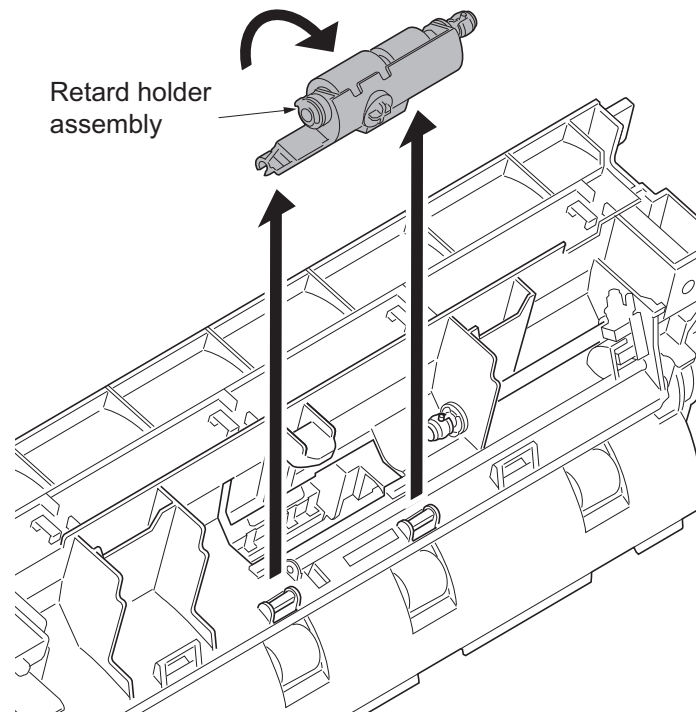


Figure 1-5-29

14. Remove the spring.
15. Release the uniting of joint by sliding the retard holder assembly.

**Figure 1-5-30**

16. Remove the retard holder assembly by turning it as shown.

**Figure 1-5-31**

17. Remove two stop rings.
18. Remove two bushes.
19. Pull the retard MPF shaft out and then remove the torque limiter and the MP separation pulley.
20. Clean or replace the MP forwarding pulley, MP paper feed pulley and MP separation pulley.
21. Refit the MP forwarding pulley, MP paper feed pulley and MP separation pulley to the MP tray paper feed unit.
22. When the MP forwarding pulley, MP paper feed pulley or MP separation pulley is replaced, perform maintenance mode U903 (clearing the jam counter) (see page 1-3-164).

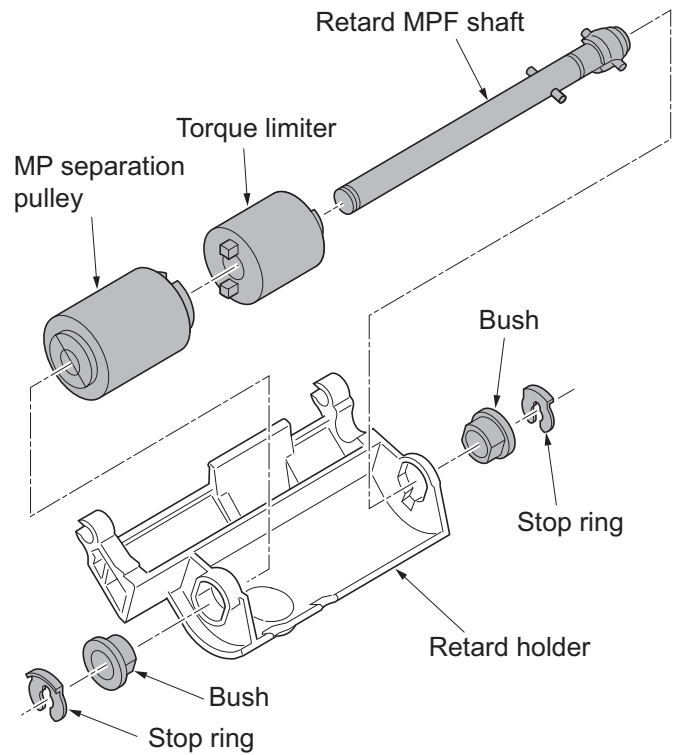


Figure 1-5-32

1-5-3 Optical section

(1) Detaching and refitting the exposure lamp

Notes on handling the LED mount assembly

Do not touch the diffusion seat and the light guiding plate.

Use air blow when you clean the diffusion seat, the light guiding plate, and reflector.

Do not clean it using a cleaning cloth that adheres the fiber easily.

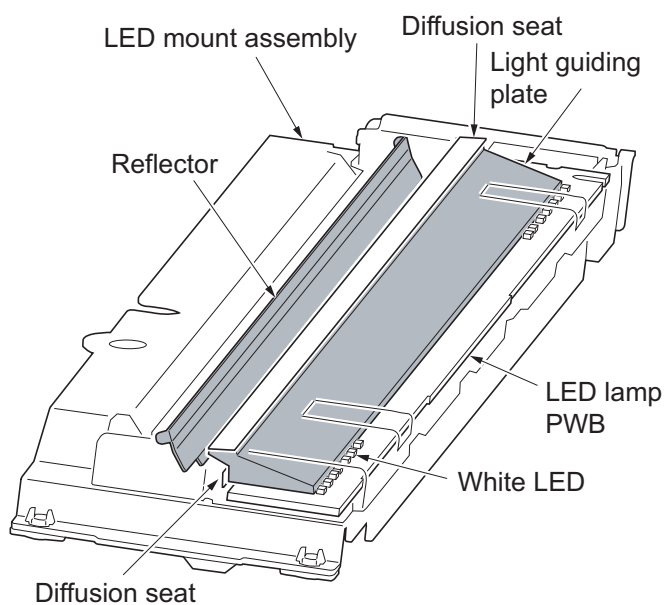


Figure 1-5-33

Procedure

1. Remove the document processor.
2. Remove two screws and then remove the ISU front cover.
3. Remove two screws and then remove the ISU right cover.

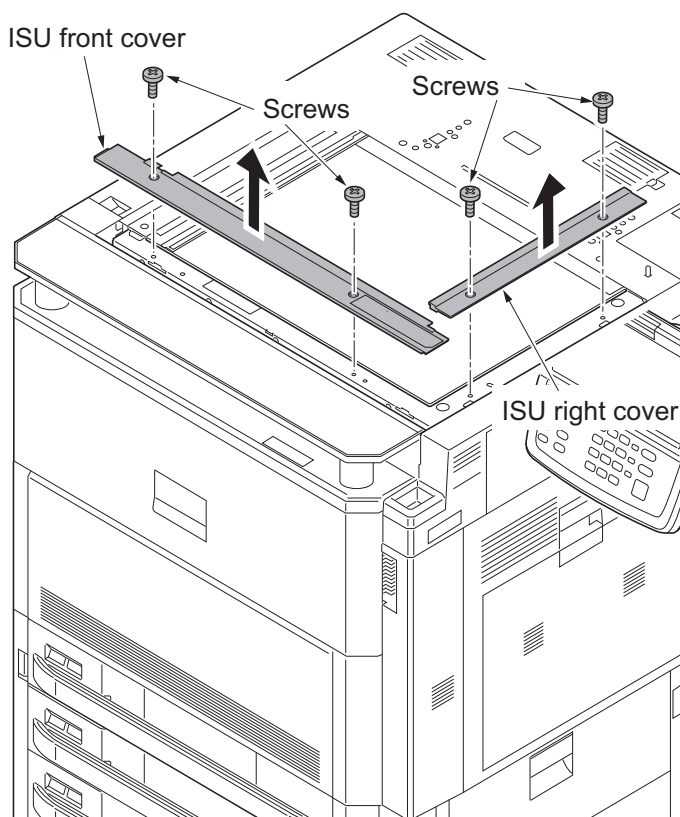


Figure 1-5-34

4. Remove the screw and then operation mount cover C
5. Open the bridge eject cover.
6. Remove two screws and then remove the ISU rear cover.

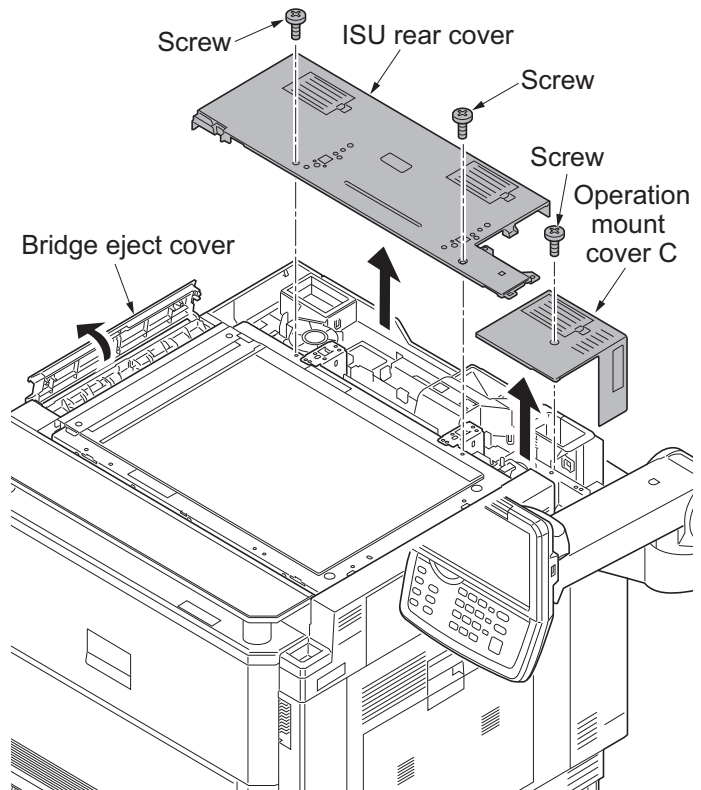


Figure 1-5-35

7. Remove the platen.
8. Peels two films off.

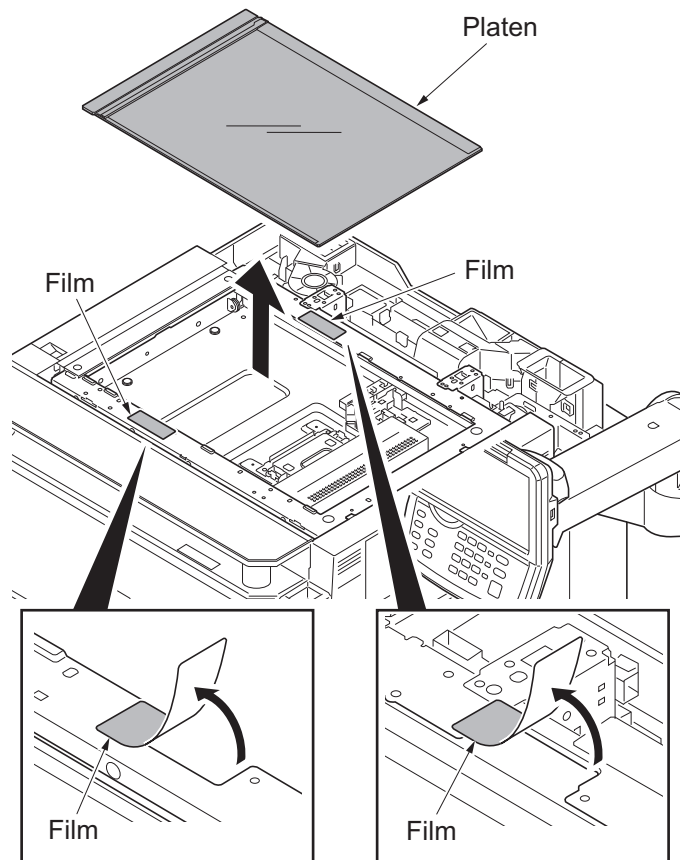


Figure 1-5-36

9. Move the LED mount assembly to the cutting lack part.
10. Unhook the hook and remove the FFC cover from LED mount assembly.
11. Remove the FFC from the FFC connector.
12. Unhook two hooks and remove the FFC guide from the LED mount assembly.

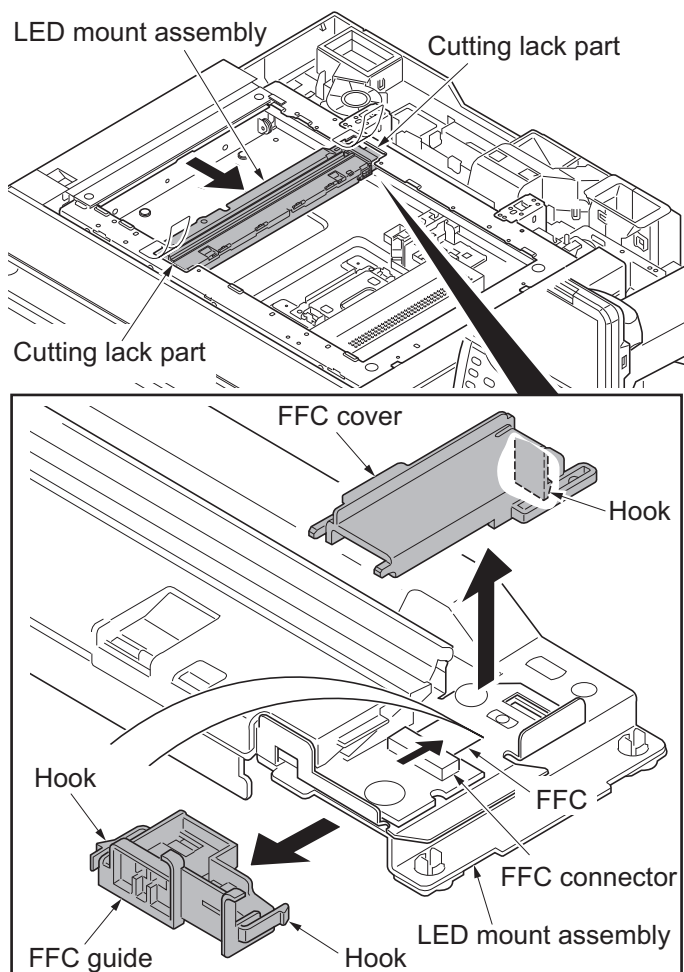


Figure 1-5-37

13. Remove two screws and then remove the LED mount assembly.
14. Check or replace the LED mount assembly and refit all the removed parts.

*: When cleaning the reflector, the light guiding plate and the diffusion sheet of the LED mount assembly, clean it by air blow. Not to leave the hair dust.

15. When the LED mount assembly is replaced, perform maintenance mode U411 (Adjusting the scanner automatically) (see page 1-3-139).

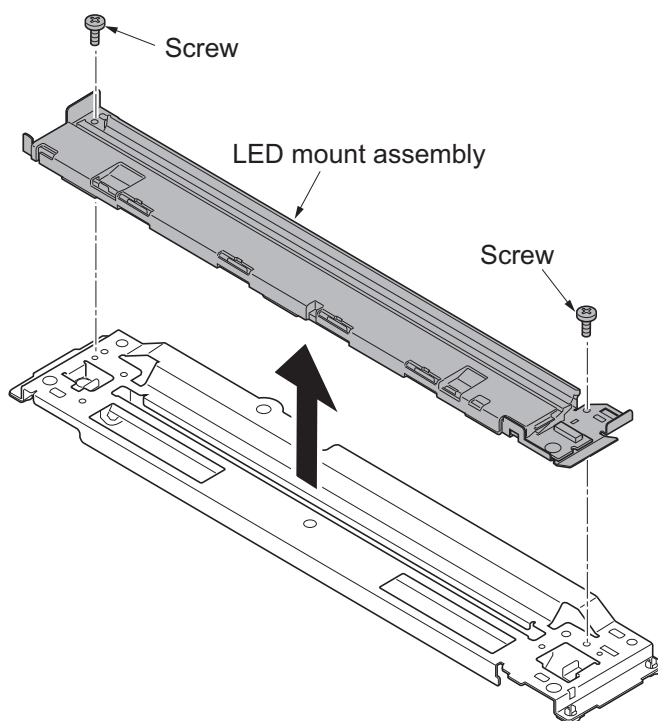


Figure 1-5-38

(2) Detaching and refitting the scanner wires

NOTE

When fitting the wires, be sure to use those specified below.

Machine front: (P/N: 302H717381), gray

Machine rear: (P/N: 302H717391), black

Fitting requires the following tools

Two frame securing tools (P/N 302FZ17100)

Two scanner wire stoppers (P/N 3596811)

Procedure

1. Remove the exposure lamp
(see page 1-5-20).
2. Remove each screw and then remove
front and rear wire holder plates from
mirror 1 frame.
3. Remove the mirror 1 frame.

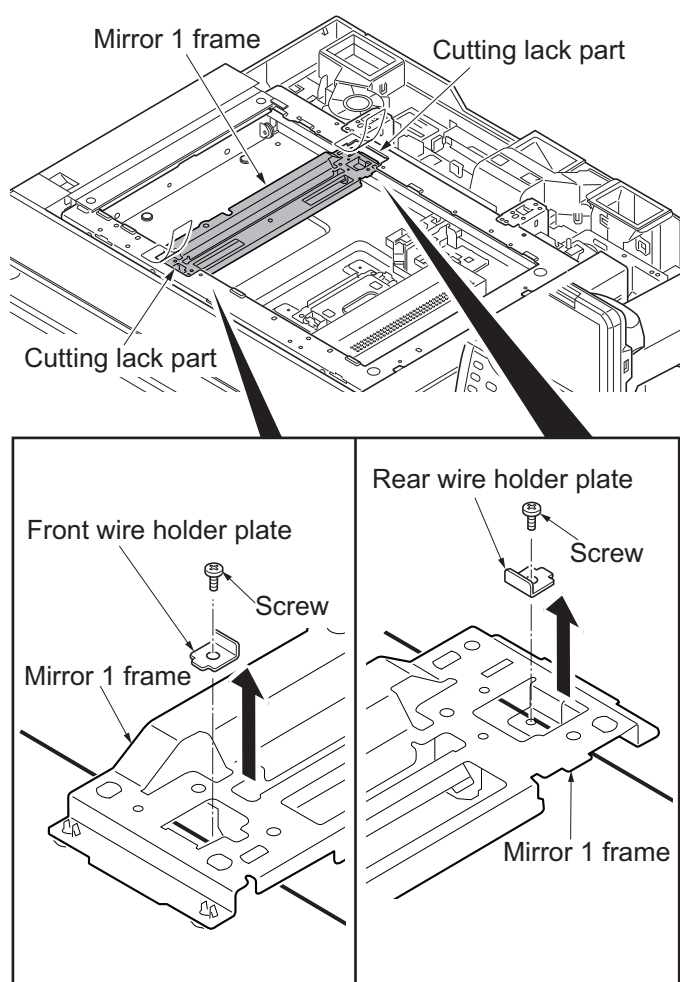


Figure 1-5-39

4. Remove the round terminals from the scanner wire springs on scanner unit left side.
5. Remove the scanner wire.

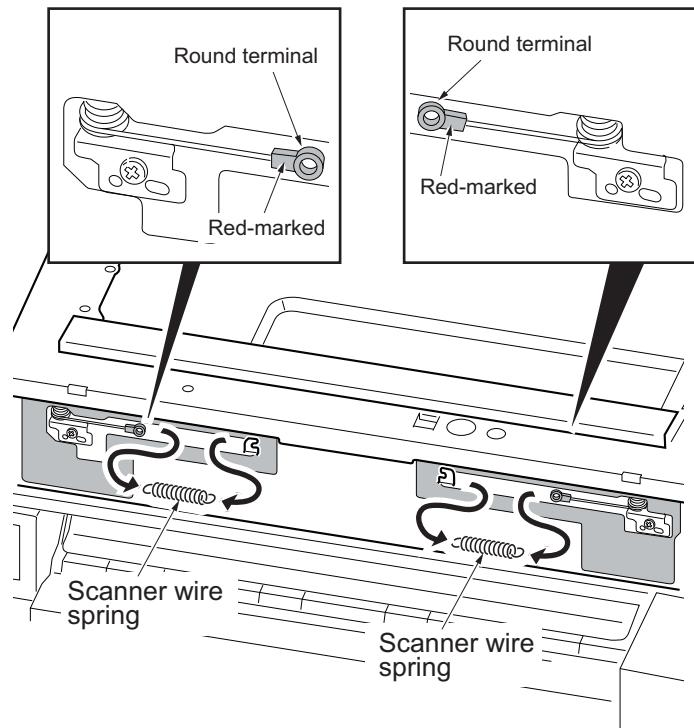


Figure 1-5-40

Fitting the scanner wires

6. Move the mirror 2 frame as shown in the figure and insert two frame securing tools into the positioning holes at the front and rear of the machine center to fix the mirror 2 frame in position.

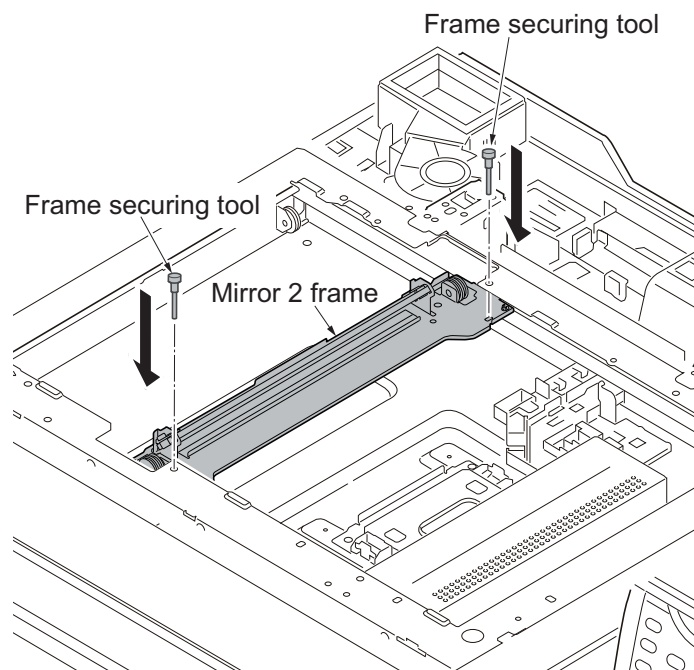


Figure 1-5-41

7. Hook the round terminals (Non-red-marked) onto the catches inside of the scanner unit. (1)
8. Loop the scanner wires around the outer grooves in the pulleys on the mirror 2 frame, winding from below to above. (2)
9. Loop the scanner wire around the groove in the scanner wire pulley at the scanner unit right, winding from above to below. (3)
10. Wind the scanner wires around the scanner wire drum five turns from the rear toward the hole in the drum. (4)
11. Insert the locating ball on the scanner wire into the hole in the scanner wire drum. (5)
12. Wind the scanner wires three turns from the inner toward the hole in the drum. (6)
13. Install the scanner wire stoppers to the scanner wire drum to fix the wires. (7)
14. Loop the scanner wire around the groove in the scanner wire pulley at the scanner unit left, winding from below to above. (8)
15. Loop the scanner wires around the inner grooves in the pulleys on the mirror 2 frame, winding from below to above. (9)
16. Hook the scanner wires around the pulleys at the machine left. (10)
17. Hook the round terminal (Red-marked) onto the scanner wire spring. (11)

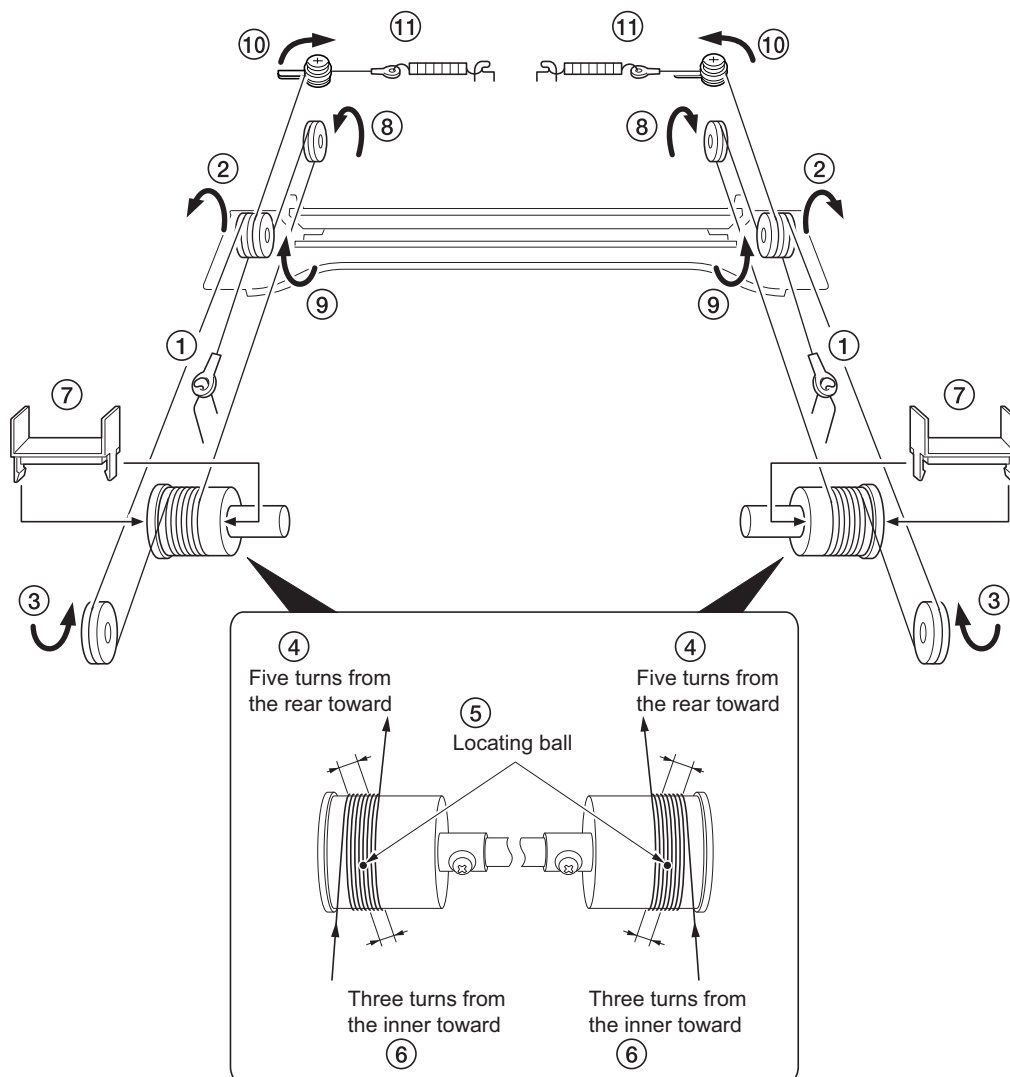


Figure 1-5-42

18. Remove the two scanner wire stoppers and frame securing tools.
19. Focusing on the locating ball of the wire drum, move aside the wires to inside.
20. Move the mirror 2 frame from side to side to correctly locate the wires in position.
21. Refit the mirror 1 frame.
22. Move the mirror 1 and 2 frames to the machine left, and insert the two frame securing tools into the positioning holes at the front and rear of the scanner unit to secure the frames in position.
23. Hold the wires and fix each front and rear wire holder plate to mirror 1 frame with the screw.
24. Remove the two frame securing tools.
25. Refit the exposure lamp.

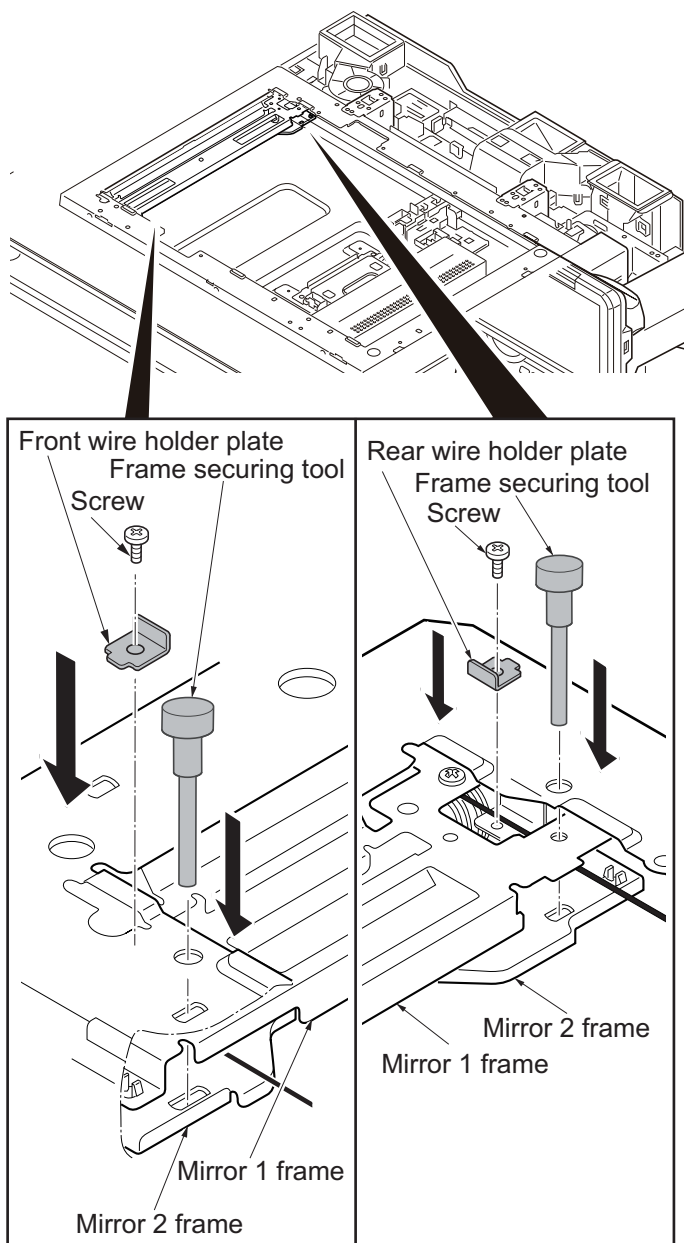


Figure 1-5-43

(3) Detaching and refitting the ISU

Procedure

Detaching the ISU

1. Worn the electrostatic prevention band for the destruction prevention of the CCD board by static electricity.
2. Remove the platen (see page 1-5-20).
3. Remove six screws and then remove the lens cover.

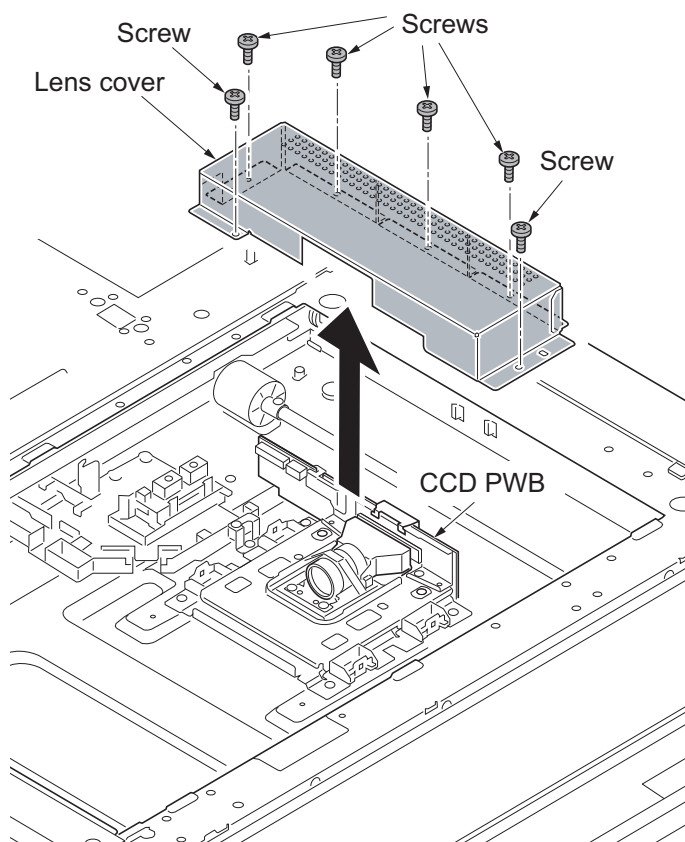


Figure 1-5-44

4. Remove the connector.
 5. Remove the FFC from the FFC connector with a lock.
- *: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever(see page 1-5-53).

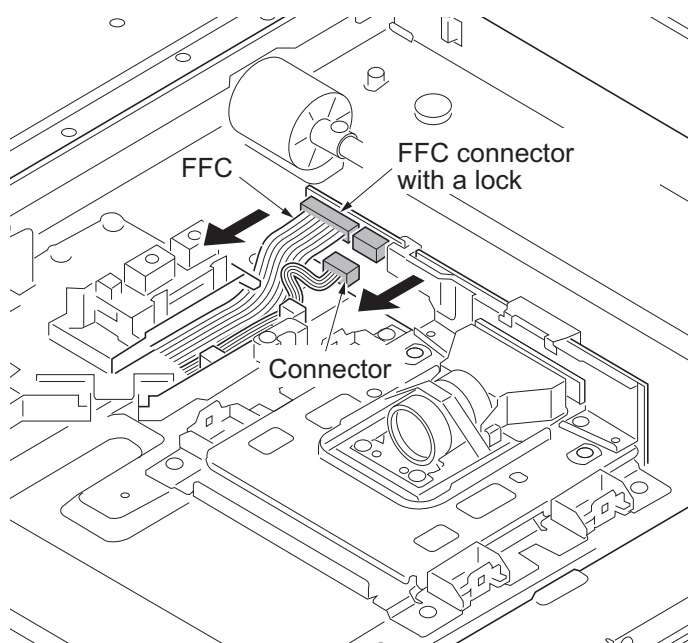


Figure 1-5-45

- Remove four screws and then remove the ISU.

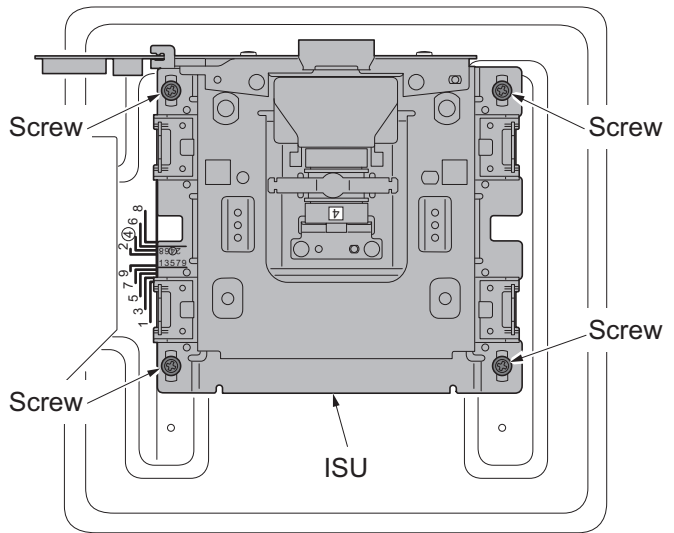


Figure 1-5-46

Refitting the ISU

- Install the FFT.
- *: The FFT should be inserted while holding the position (A) shown in the illustration (A).

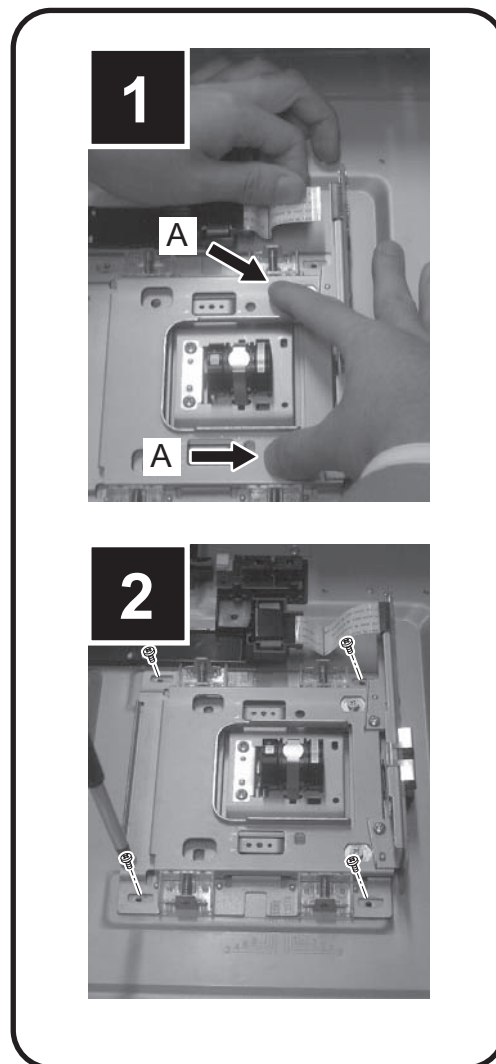


Figure 1-5-47

- Decide the fix position of ISU by the following.

The right and left of machine:

Verify the number prefixed by a (a) mark.

Match the line (c) of ISU to the positioning line (b) of same number on frame side.

Wire C is the one which is marked with the appropriate number.

The rear and front of machine:

Match the edge (e) of ISU to the positioning line (d) on frame side.

- Fix the ISU as before with four screws.
- Refit all the removed parts.
- When replacing the new ISU, performs maintenance mode U411 (Adjusting the scanner automatically) (see page 1-3-139).

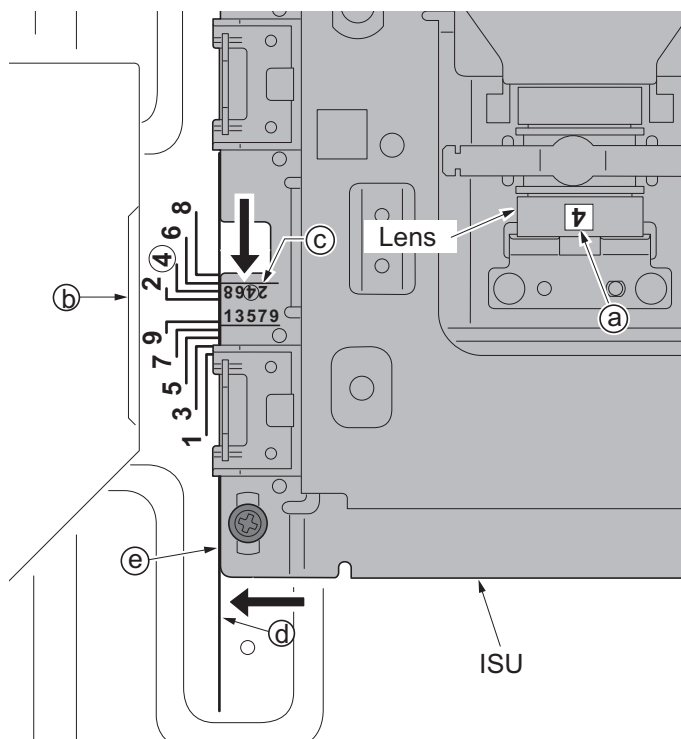


Figure 1-5-48

Refitting the ISU

- Check the image

After replacing the CCD unit, check the copy image. According to the condition, execute the procedures below.

- In case of no problem on the image, go to "9. Image Adjustment"
- In case a part of the image is whitish from the leading edge or the background image appears like the illustration "a", go to "5. The CCD unit Height Adjustment 1".
- In case white vertical lines appear on the image like the illustration "b", go to "7. The CCD unit Height Adjustment 2".

*: The CCD unit height adjustment is necessary for above 2 and 3 because an optical axis shifts and the light path is not secured.

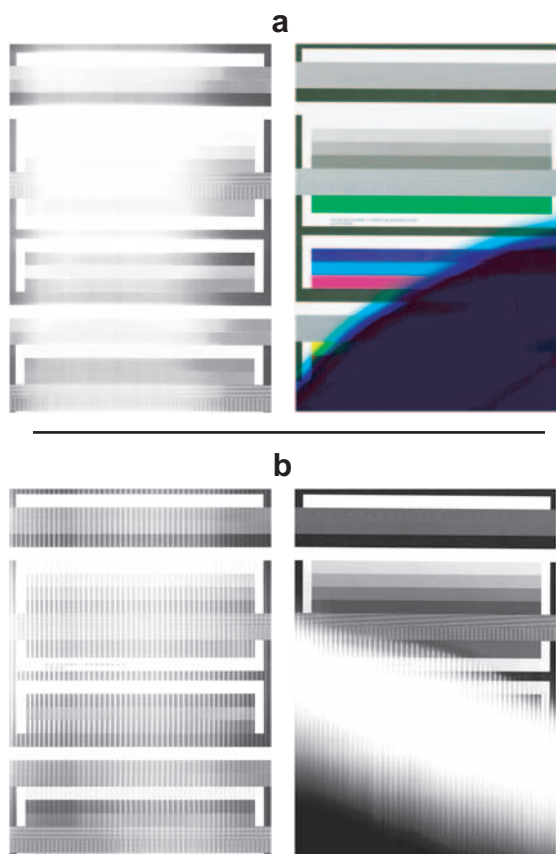


Figure 1-5-49

5. The CCD unit Height Adjustment 1

In case a part of the image is whitish from the leading edge or the background image appears like the illustration "a".

The replacement ISU comes complete with a large spacer (B) and a small spacer (C).

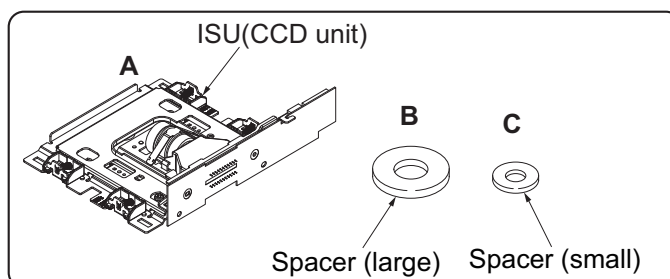


Figure 1-5-50

1. Set the spacer (large) (B) into the outside screw holes at the CCD sensor side.
2. Check the image.

- a. In case of no problem on the image, go to "9. Image Adjustment".
- b. In case of the problem on the image, go to "6. Re-adjustment 1".

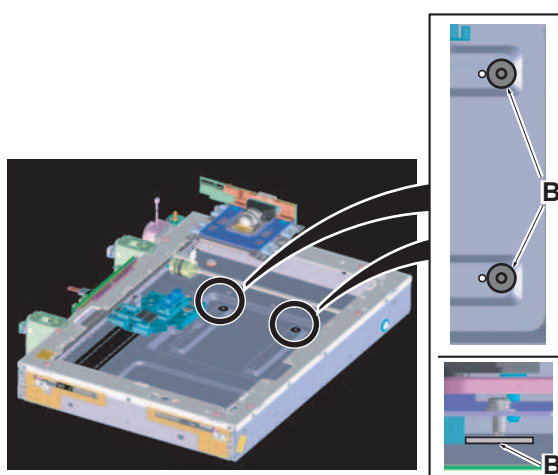


Figure 1-5-51

6. Re-adjustment 1

1. In case the whitish or background image still appears.
 - c. Insert the additional spacer (small) (In case the white vertical lines appear).
 - d. Remove the spacer (large) (B) and insert the spacer (small) (C).
2. Check the image and go to "9. Image Adjustment".

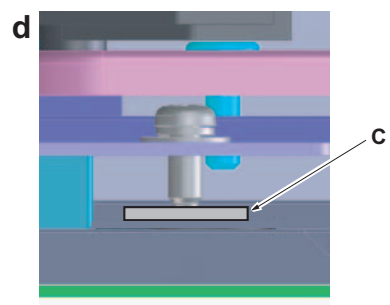
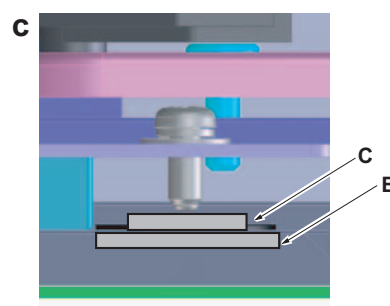


Figure 1-5-52

7. The CCD unit Height Adjustment 2

In case of white vertical lines appear like the illustration "b" on page 1.

1. Set the spacer (large)(B) into the inside screw holes at the lens side.
2. Check the image.

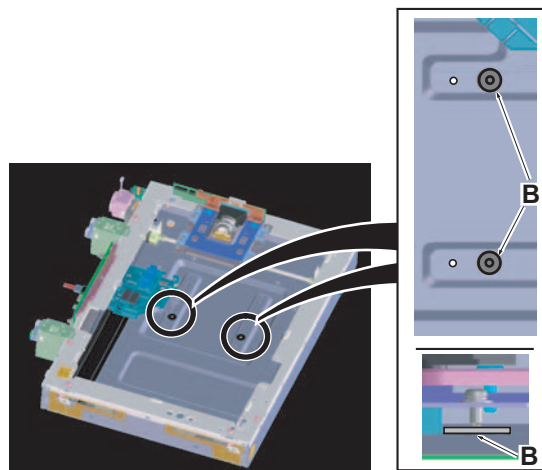


Figure 1-5-53

8. Re-adjustment 2

1. In case the white vertical lines still appear.
 a: Insert the additional spacer (small) (C)
 In case the whitish or background image appears.
 b: Remove the spacer (large) (B) and insert the spacer (small) (C).
2. Check the image and go to "9. Image Adjustment".

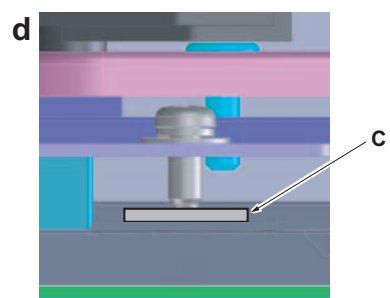
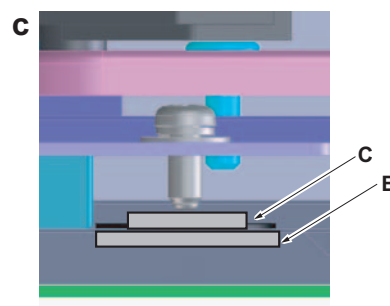


Figure 1-5-54

9. Image Adjustment

Execute the U411 Auto Adjustment (see page 1-3-139).

1. Set a new auto adjustment chart (part no. 7505000005) on the contact glass.
2. Execute the U411- Target – Auto –Table (chart1) - ALL.

10. Refit all the removed parts.

(4) Detaching and refitting the LSU

Procedure

1. Remove the inner unit (see page 1-5-36).
2. Remove two straps of the front upper cover.
3. Slide the front upper cover to left and then remove the cover from pins.

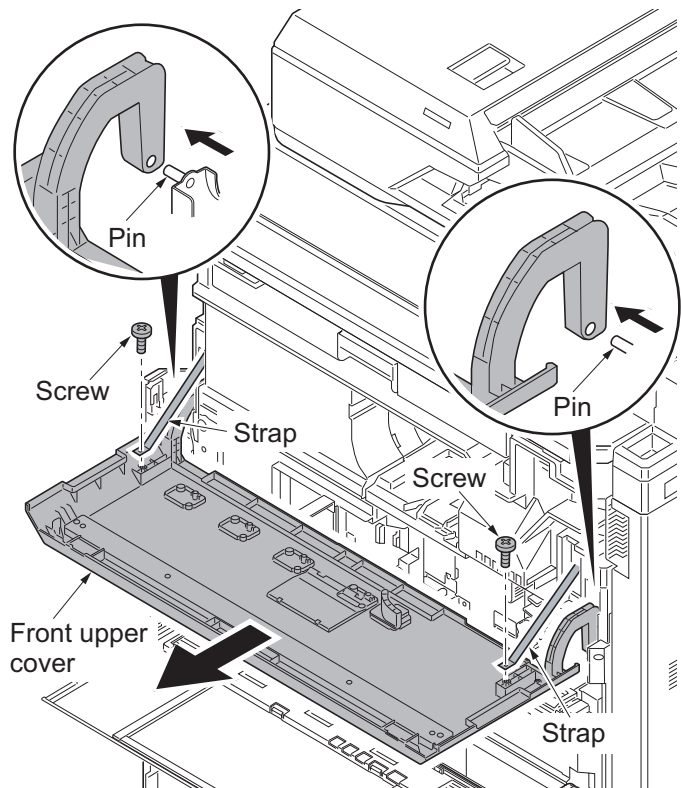


Figure 1-5-55

4. Remove four screws and then remove the inner lower cover.

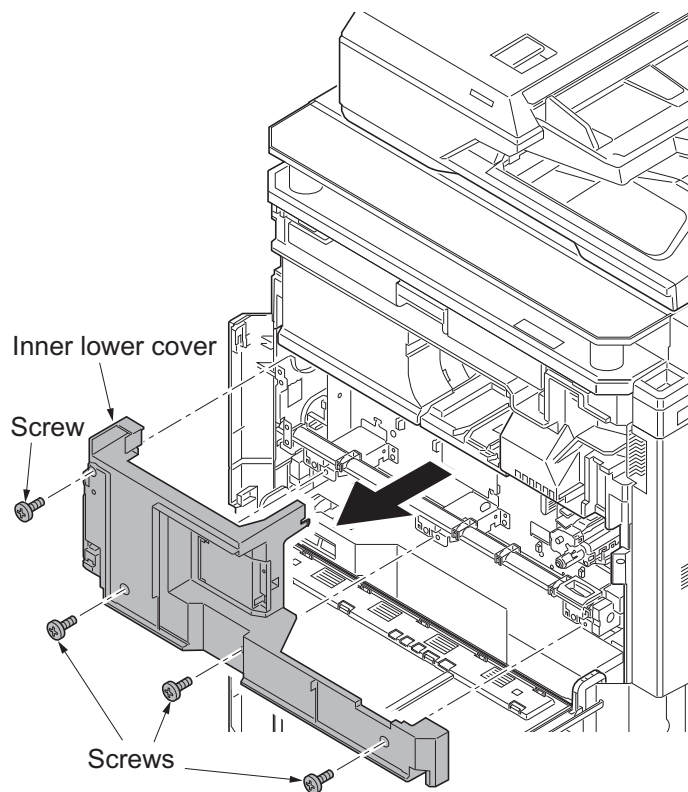


Figure 1-5-56

5. Pull the bridge conveying unit out.
6. Remove the screw.
7. Slide the bridge conveying unit and then remove the unit from the hooks of the slide rails.

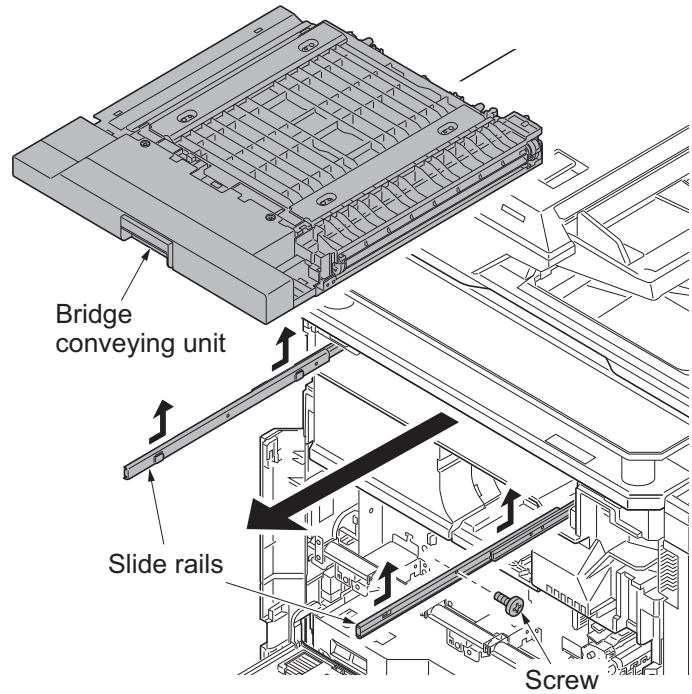


Figure 1-5-57

8. Remove five screws.
9. Remove two magnet catches.
10. Unhook two hooks and then remove the inner upper cover.

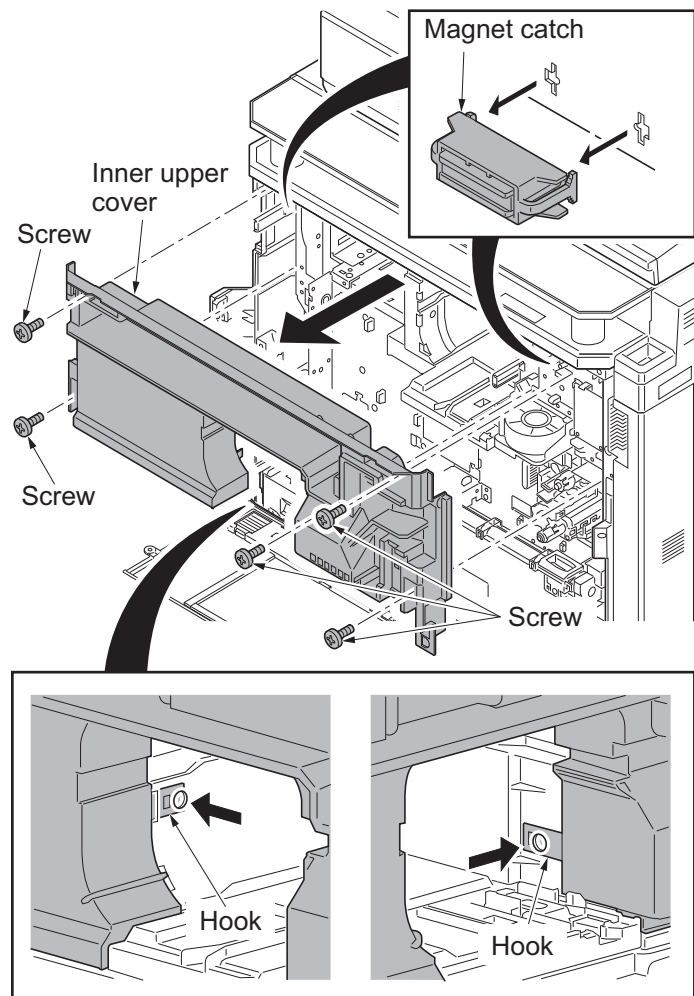


Figure 1-5-58

11. Remove two screws of the container guide.
12. Pull the container guide out and remove the guide.

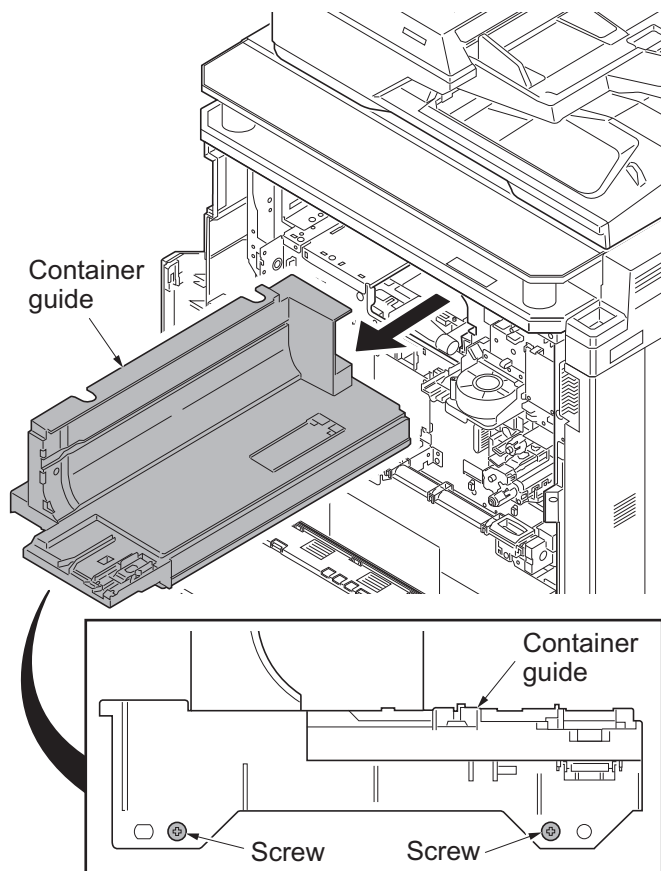


Figure 1-5-59

13. Remove the FFC from the FFC connector with a lock (YC4) of the LSU relay PWB.

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting up the lock lever.

14. Remove 5-pin relay connector at rear side of the LSU.

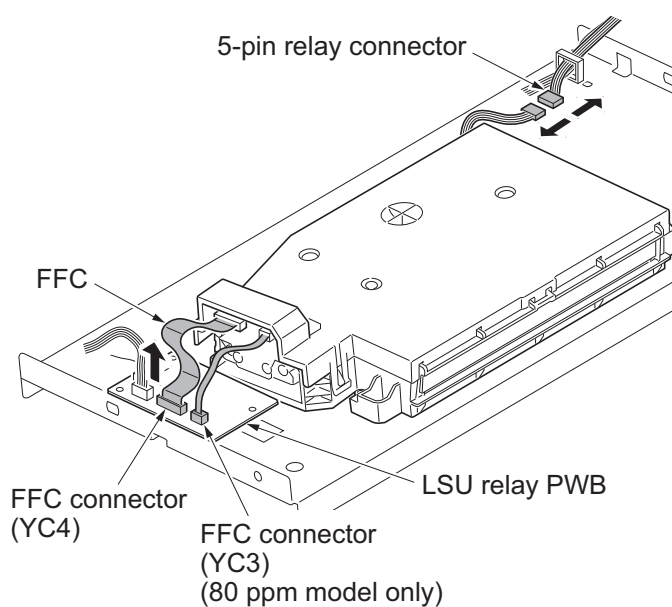


Figure 1-5-60

15. Remove four screws (A to D) and then remove the LSU.
 16. Check or replace the LSU and refit all the removed parts.
- *: To re-mount the LSU, secure the screws in the order of A – B – C- D.

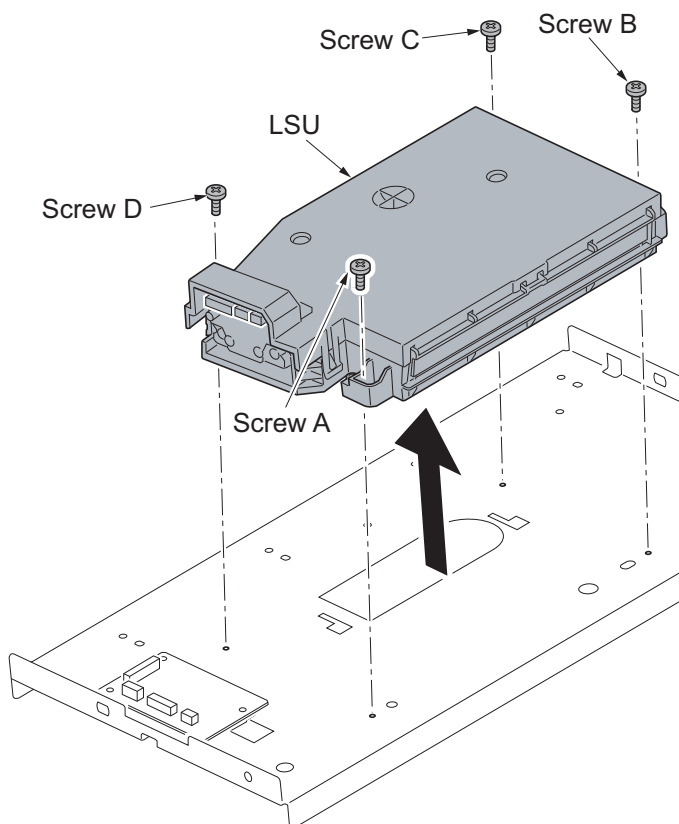


Figure 1-5-61

17. When replacing the new LSU, proceed as follows:
 - 1)Performs maintenance mode U930 (checking/clearing the charger roller count) and checking the counter value (see page 1-3-175).
 - 2)Performs maintenance mode U119 (Setting the drum) (see page 1-3-73).
 - 3)Performs maintenance mode U930 (checking/clearing the charger roller count) and input the counter value (see page 1-3-175).
 - 4)Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 5)Performs maintenance mode U412 (Adjusting the uneven density) (see page 1-3-146).
 - 6)Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 7)Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-138).

1-5-4 Image formation section

(1) Detaching and refitting the inner unit

Procedure

1. Open the front upper cover.
2. Remove toner container.
3. Unlock the front middle cover locking by sliding the lock lever to the left.
4. Close the front upper cover.

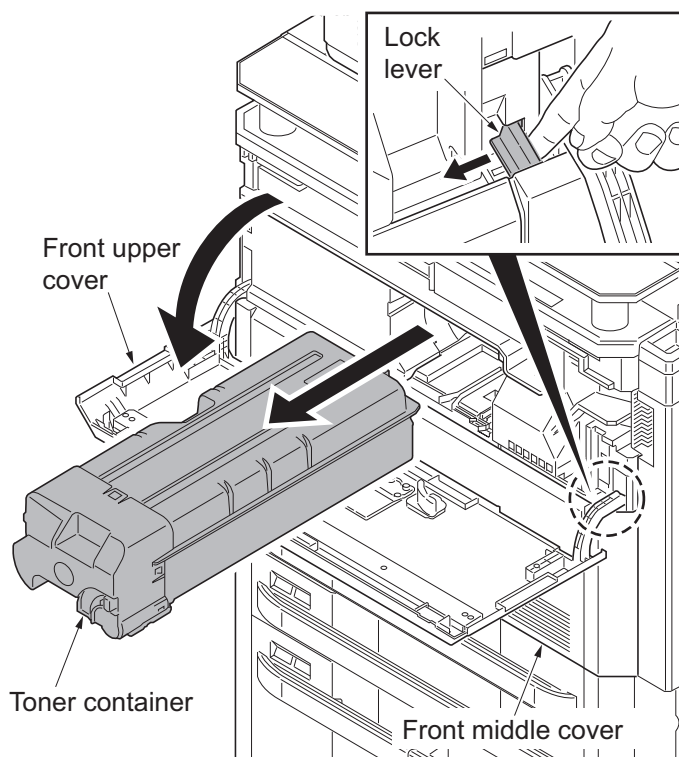


Figure 1-5-62

5. Open the waste toner box cover.

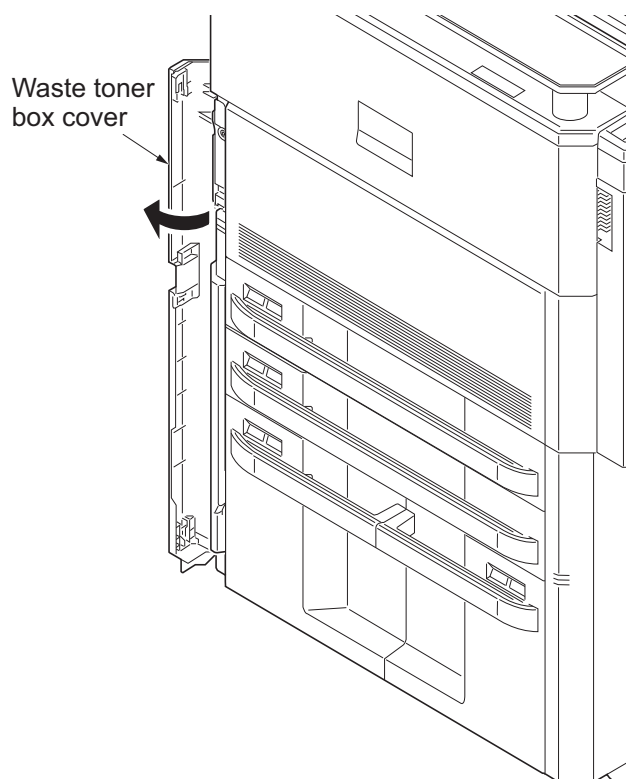


Figure 1-5-63

6. Remove the screw and then open the front middle cover.
7. Remove the screw and then open the connector cover.
8. Remove the connector.
9. Release the wire saddle.

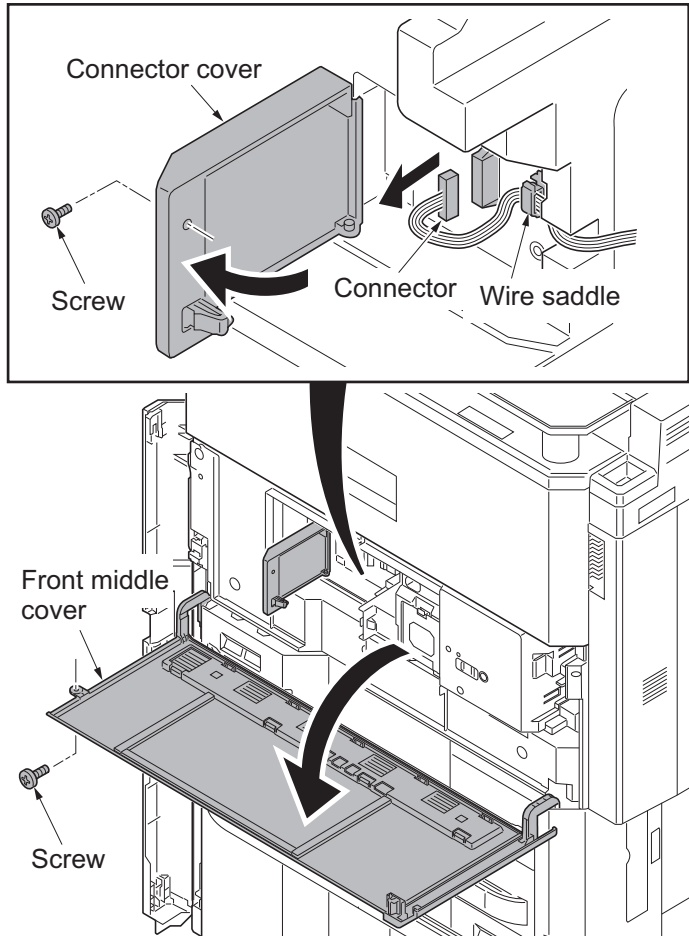


Figure 1-5-64

10. Remove four fixed screws of inner unit.

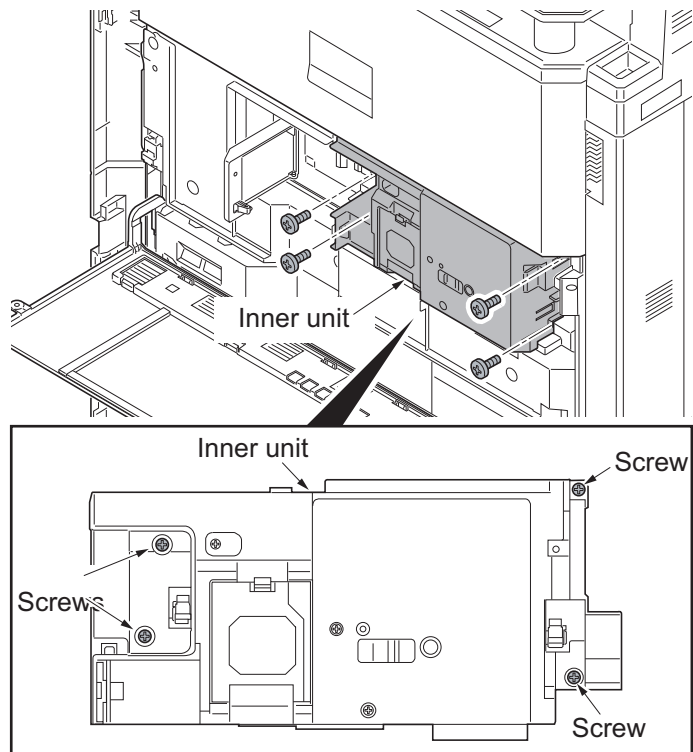
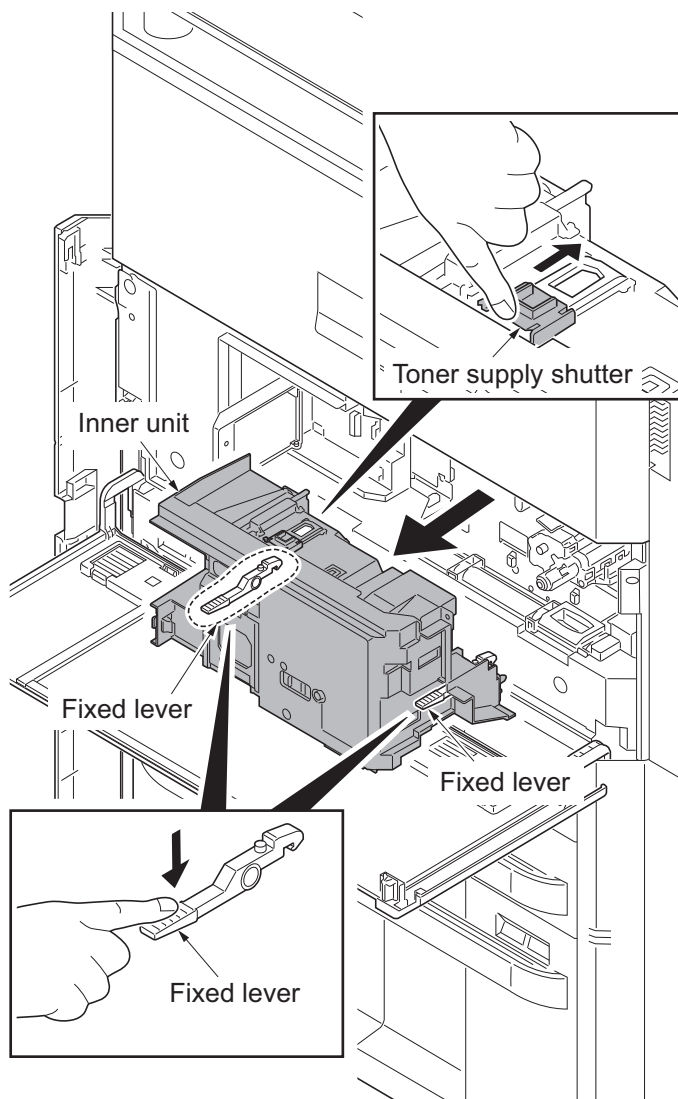


Figure 1-5-65

11. Remove the inner unit.
12. Close the toner supply shutter of the inner unit.
13. Release the lock by pushing the fixed levers at the right and left of inner unit.

**Figure 1-5-66**

(2) Detaching and refitting the developer unit

Procedure

1. Remove the inner unit (see page 1-5-36).
2. Close the toner supply shutter.
3. Remove the connector.
4. Turn down the DLP rail lever.

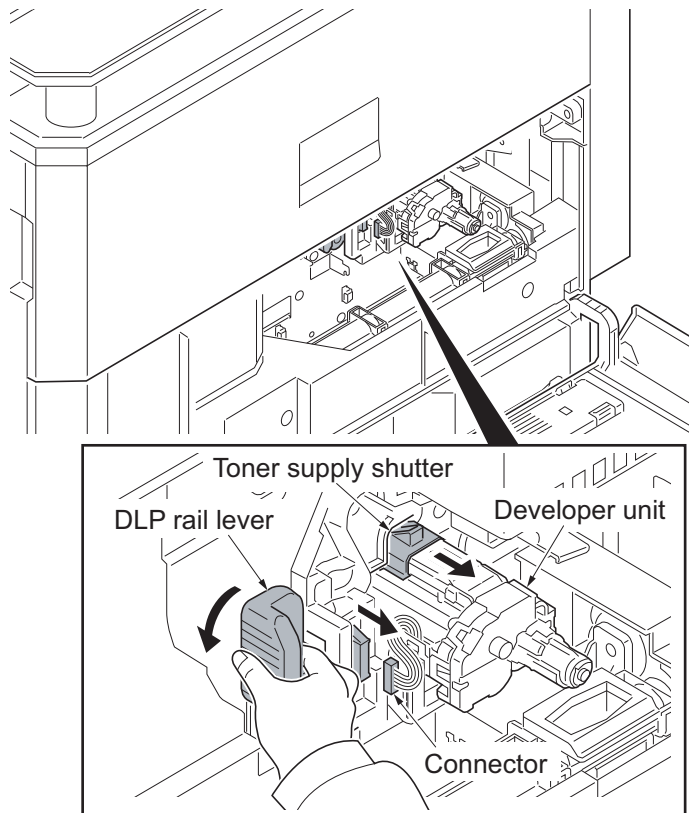


Figure 1-5-67

5. Release the lock lever at lower side of the developer unit and then pull out the developer unit.
6. Check or replace the developer unit and refit all the removed parts.
7. When replacing the new developer unit, proceed as follows:
 - 1) Performs maintenance mode U140 (AC calibration) (see page 1-3-80).
 - 2) Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 3) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-138).

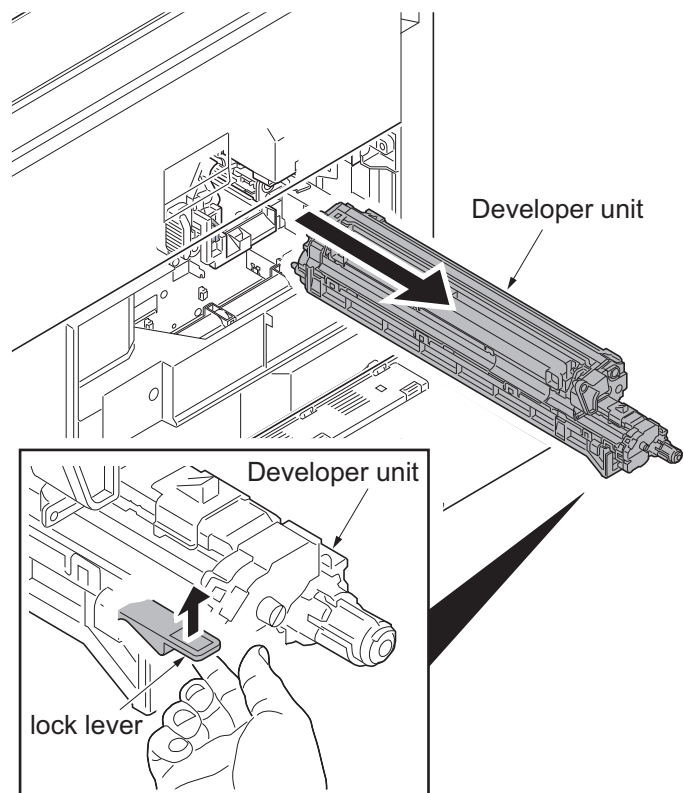


Figure 1-5-68

*: When a new development unit is installed, the developing roller protective sheet must be removed.

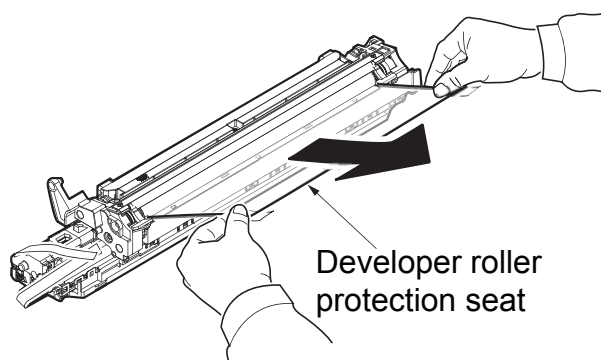


Figure 1-5-69

(3) Detaching and refitting the drum unit

Procedure

1. Remove the inner unit (see page 1-5-36).
2. Remove the developer unit (see page 1-5-39).
3. Pull the paper conveying unit out.
4. Remove the connector.
5. Remove the screw.

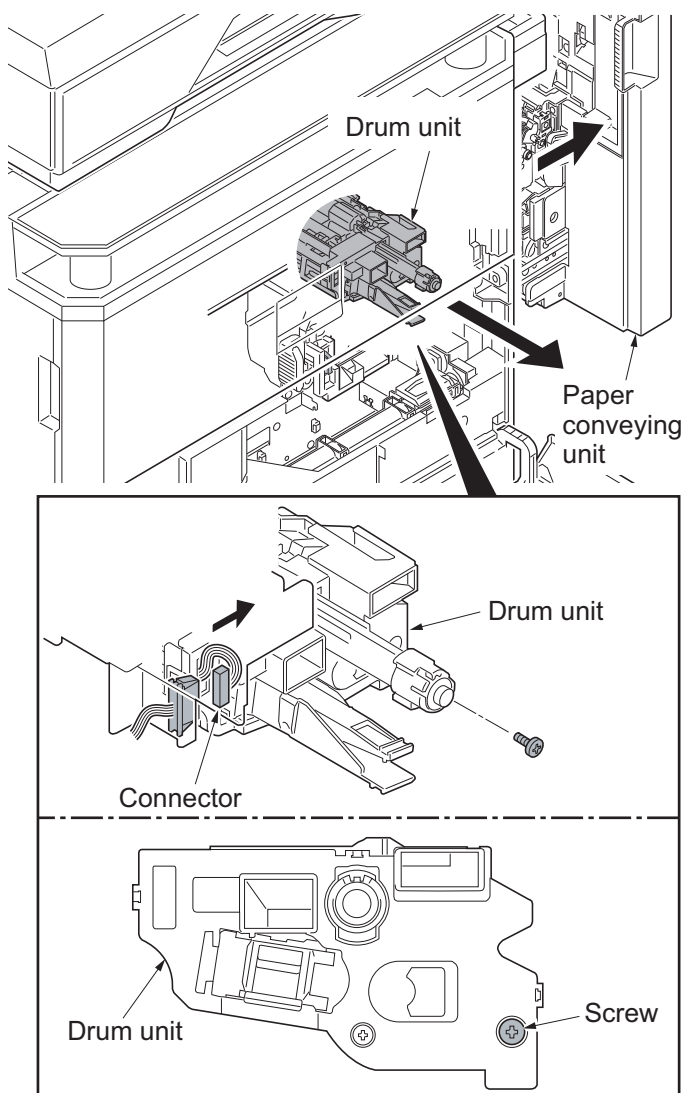


Figure 1-5-70

6. Pull out the drum unit.
7. Check or replace the drum unit and refit all the removed parts.

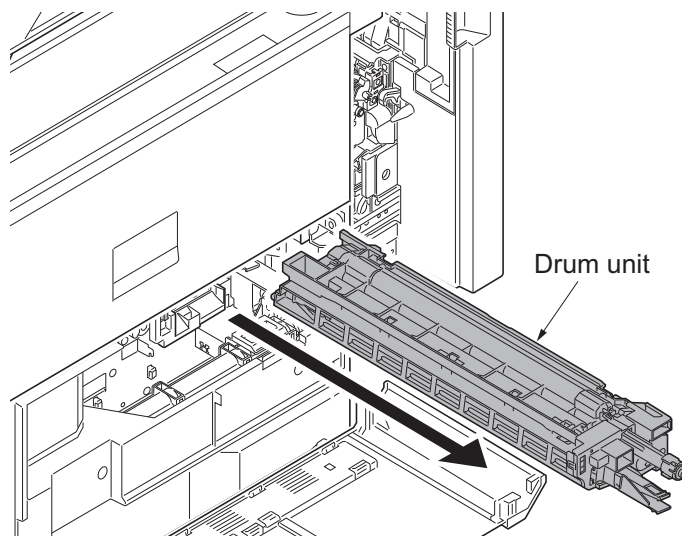


Figure 1-5-71

8. When replacing the new drum unit, proceed as follows:
 - 1) Performs maintenance mode U119 (drum setup) (see page 1-3-73).
 - 2) Performs maintenance mode U140 (AC calibration) (see page 1-3-80).
 - 3) Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 4) Performs maintenance mode U412 (Adjusting the uneven density) (see page 1-3-146).
 - 5) Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 6) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-138).

(4) Detaching and refitting the charger roller unit

Procedure

1. Remove the inner unit (see page 1-5-36).
2. Pull out the charger roller unit by picking and releasing the MC lock lever.
3. Check or replace the charger roller unit and refit all the removed parts.

*: When refitting the charger roller unit, that must hook the hook certain by operating the MC lock lever after inserting the charger roller unit until bumping.

4. When replacing the new charger roller unit, proceed as follows:
Performs maintenance mode U930 (clearing the charger roller count) (see page 1-3-175).

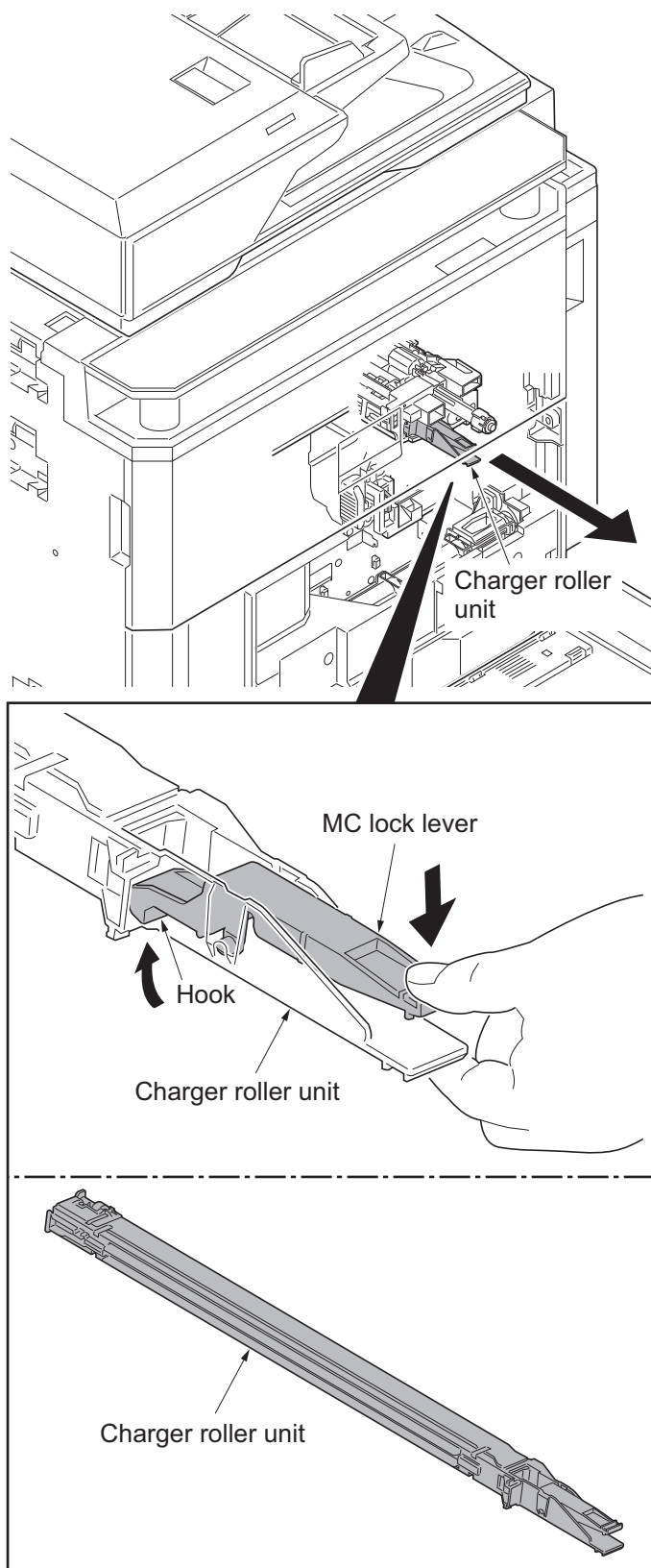


Figure 1-5-72

1-5-5 Transfer section

(1) Detaching and refitting the paper conveying unit

Procedure

1. Pull the paper conveying unit out.
2. Remove three screws.
3. Unhook three hooks and then remove the right front cover.

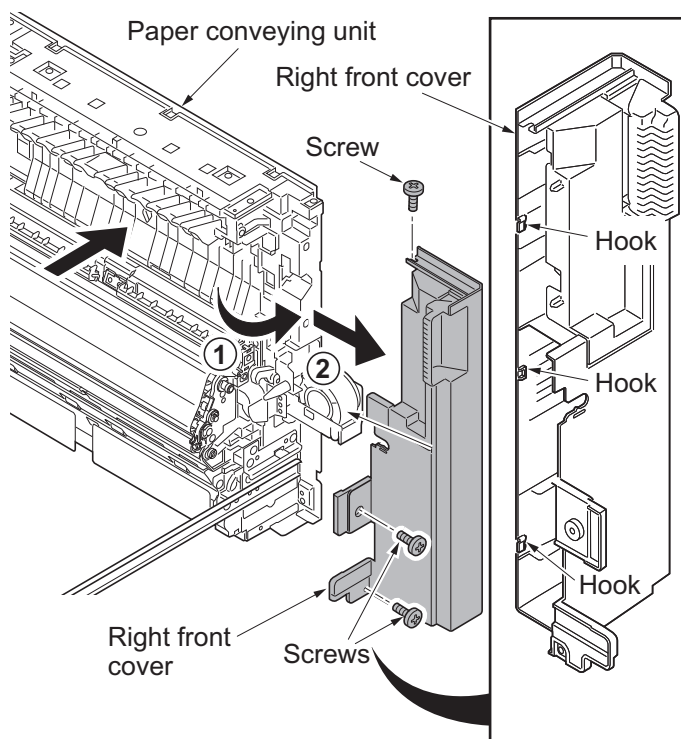


Figure 1-5-73

4. Unhook two hooks and then remove the conveying inner cover from the paper conveying unit.

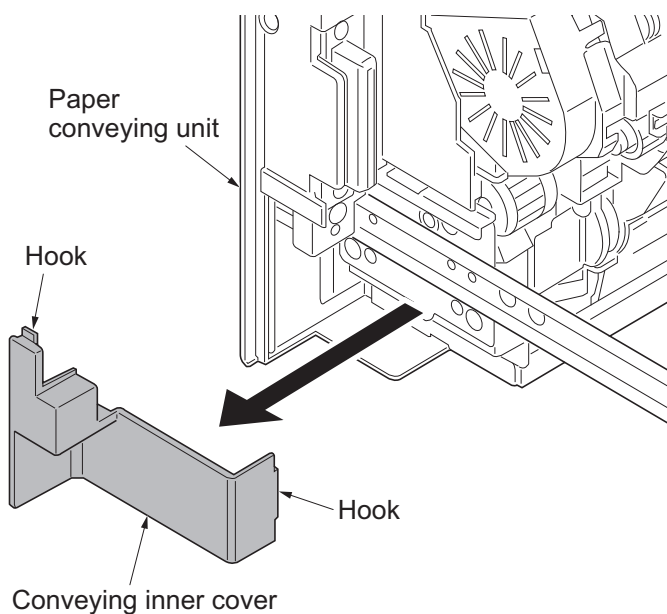


Figure 1-5-74

5. Remove four screws.
6. Remove the paper conveying unit by lifting upward.

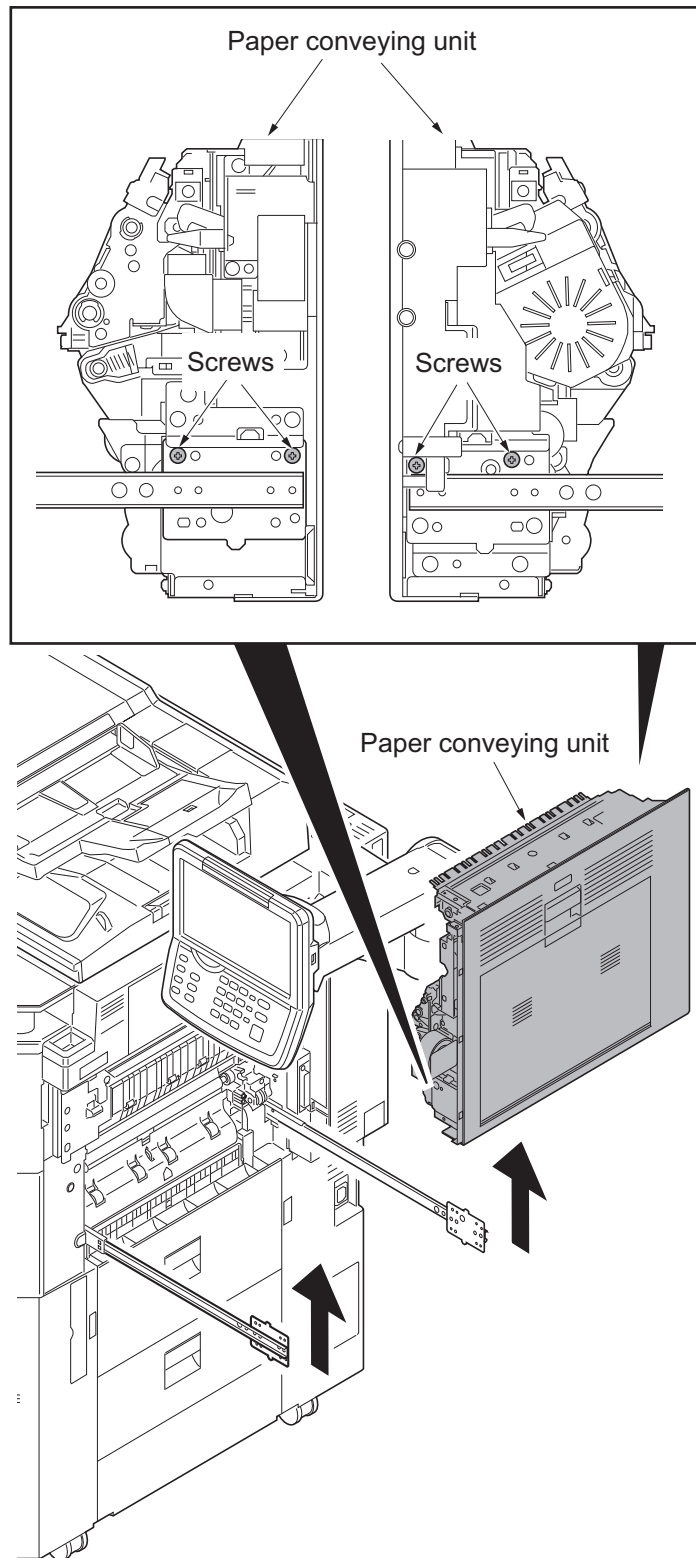


Figure 1-5-75

(2) Detaching and refitting the transfer belt unit

Procedure

1. Pull the paper conveying unit out.
2. Remove three screws and then remove the conveying rear middle cover.
3. Remove the connector.

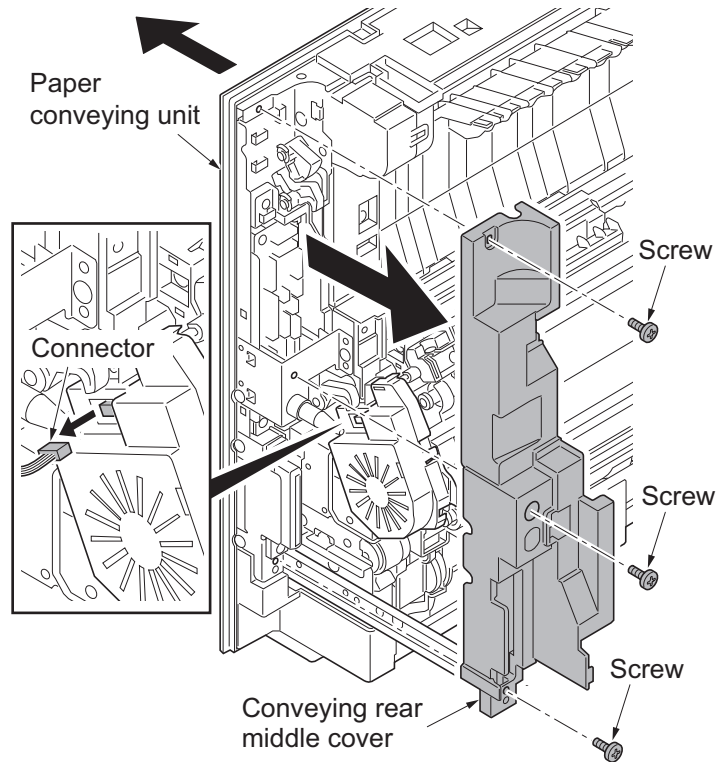


Figure 1-5-76

4. Unhook the two hooks by the tip of a screwdriver through the hole and then remove the front and rear transfer holders.

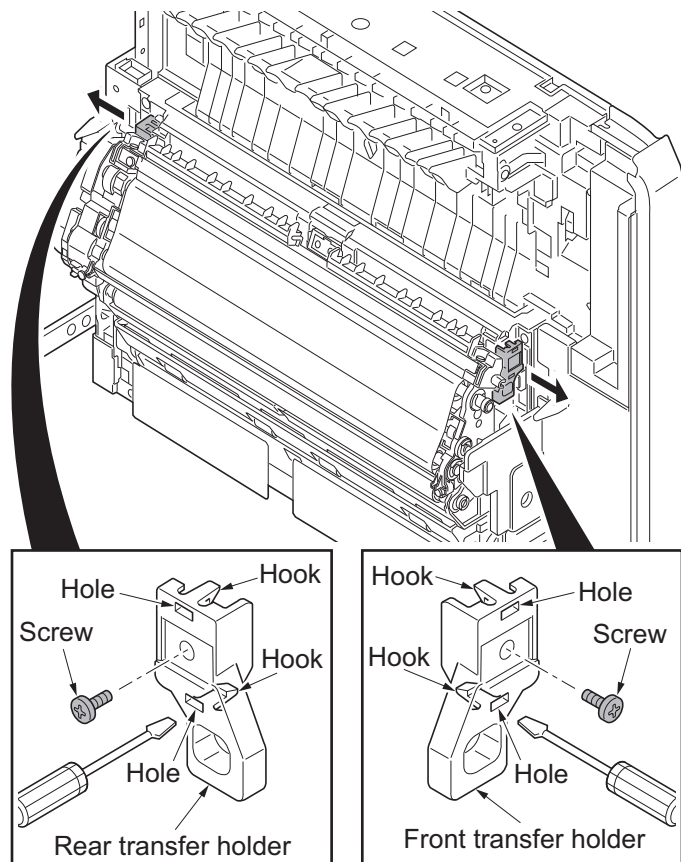


Figure 1-5-77

5. Remove the transfer belt unit.
6. Check or replace the transfer belt unit and refit all the removed parts.

*: When refitting the transfer belt unit, observe the precautions in the following:
 Insert the protrusion at the bottom of the transfer belt unit into the square hole on the conveying base.

7. When replacing the new transfer belt unit, proceed as follows:
 - 1) Performs maintenance mode U127 (clearing the transfer counter) (see page 1-3-74).
 - 2) Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 3) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-138).

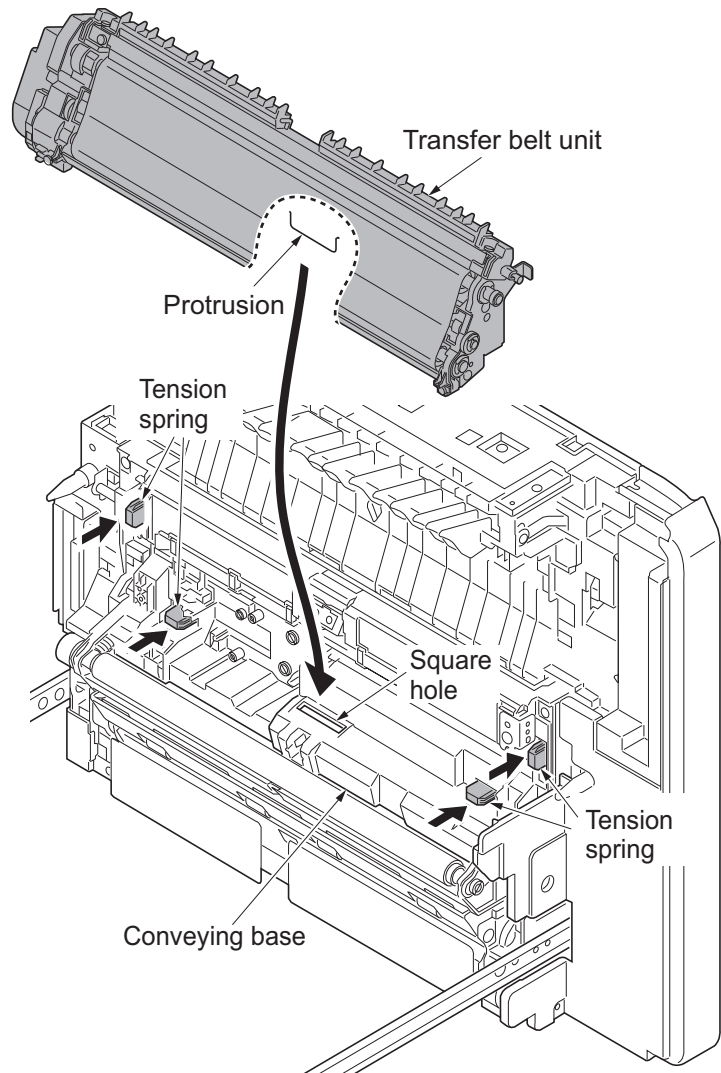


Figure 1-5-78

1-5-6 Fuser section

(1) Detaching and refitting the fuser unit

Procedure

1. Pull out the paper conveying unit.
2. Remove the screw and then the fuser wire cover.
3. Remove two connectors

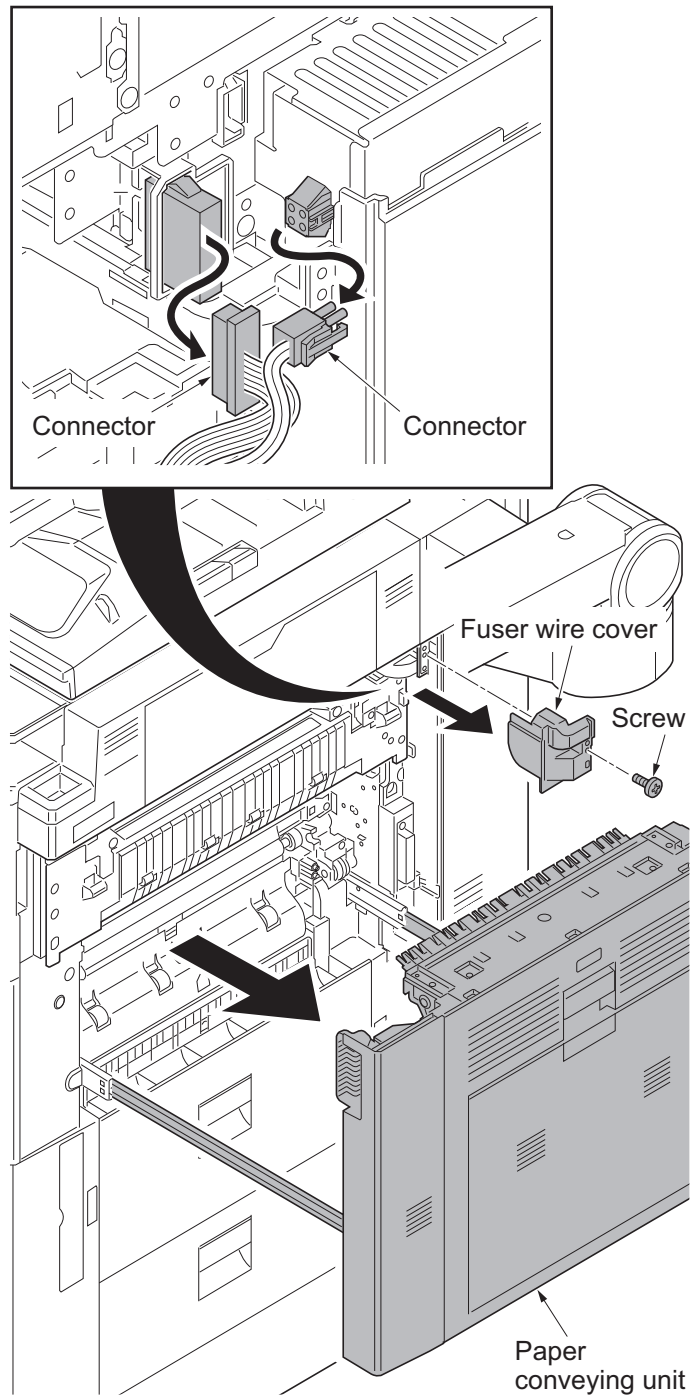
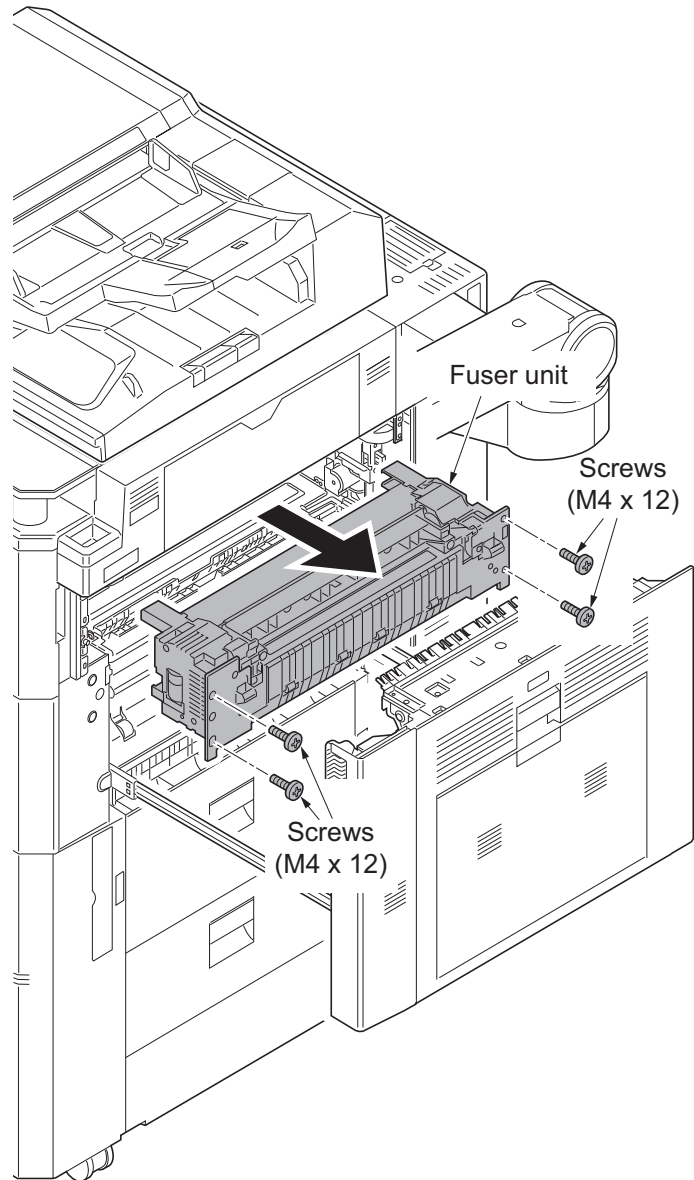


Figure 1-5-79

4. Remove four screws (M4 × 12) and then remove the fuser unit.
5. Check or replace the fuser unit and refit all the removed parts.
6. When replacing the new fuser unit, proceed as follows:
 - 1) Performs maintenance mode U167 (clearing the fuser count) (see page 1-3-90).
 - 2) Performs maintenance mode U464 (Calibration) (see page 1-3-156).
 - 3) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-138).

**Figure 1-5-80**

(2) Detaching and refitting fuser IH unit

Procedure

1. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
2. Remove the fuser unit (see page 1-5-47).
3. Remove the right upper cover (see page 1-5-66).
4. Remove the right middle rear cover (see page 1-5-66).
5. Remove four screws and then remove the fuser IH PWB cover (see page 1-5-66).
6. Remove the IH wire cover (see page 1-5-66).
7. Remove two wire holders.
8. Release two wire saddles.
9. Remove two connectors from the fuser IH PWB according to the following notes.

*: Confirm the power plug is removed from the outlet without fail when you remove the connector because a high current is supplied to fuser IH unit by this connector.

*: Confirm the connected connector was surely locked when you connect this connector again.

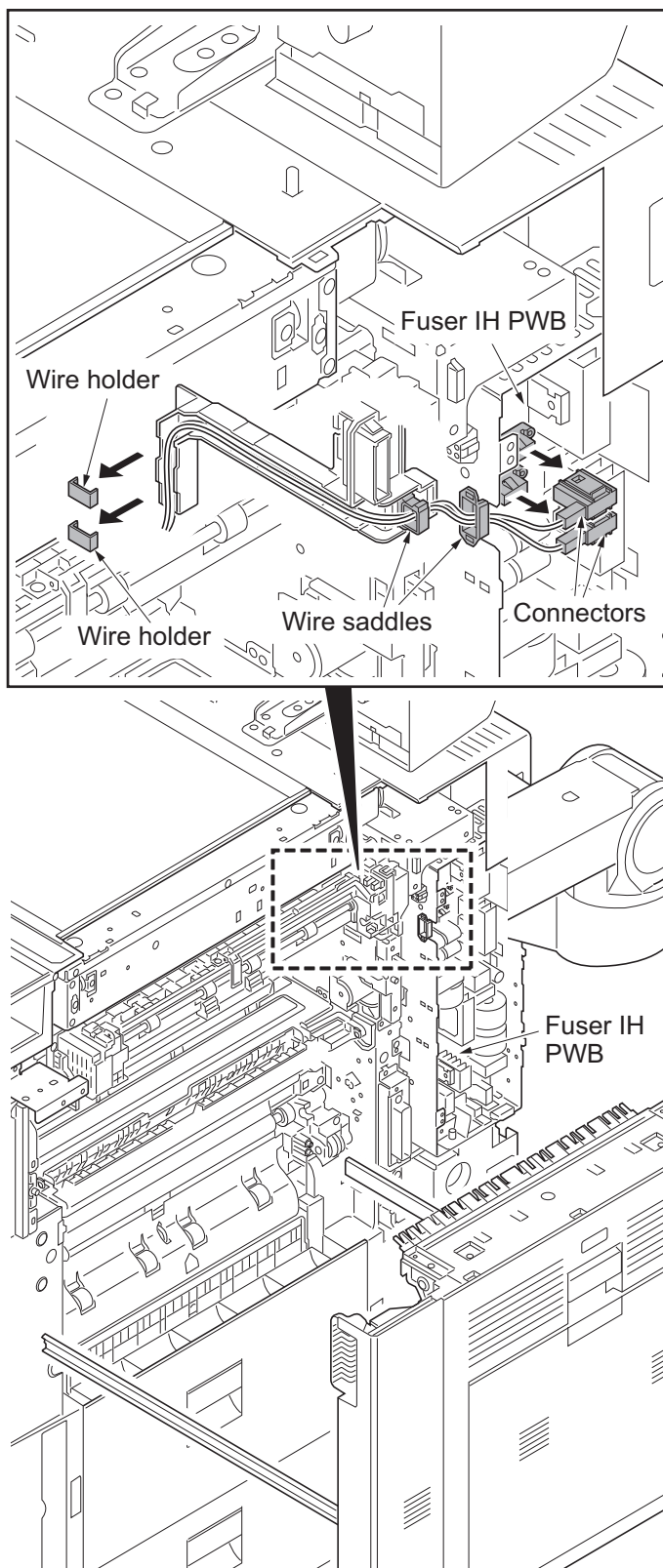


Figure 1-5-81

10. Remove two connectors.
11. Release the wire saddle. Remove the screw and the remove the ground terminal.
12. Unhook two hooks and then remove the fuser IH unit.

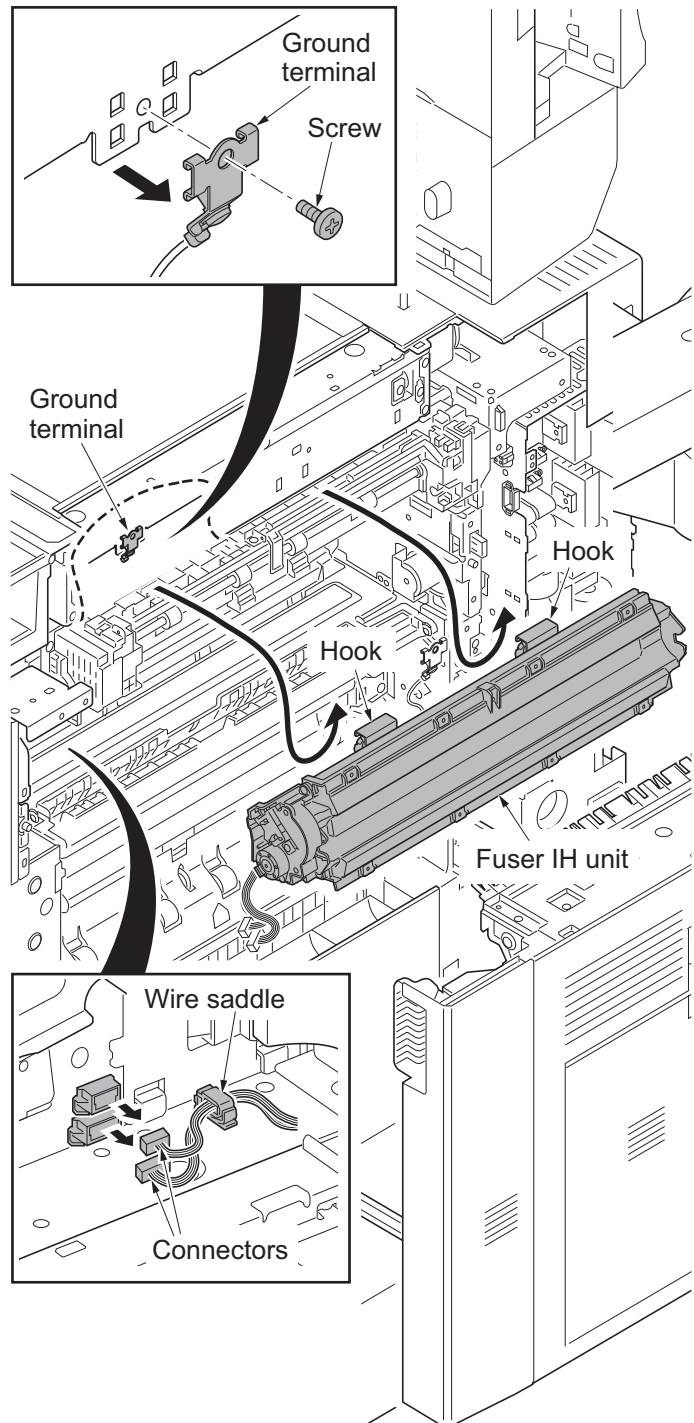


Figure 1-5-82

1-5-7 PWBs

(1) Detaching and refitting the main PWB

Procedure

1. Remove the rear upper cover (see page 1-5-66).
2. Remove the controller cover.
3. Remove the screw and then remove the controller lid.

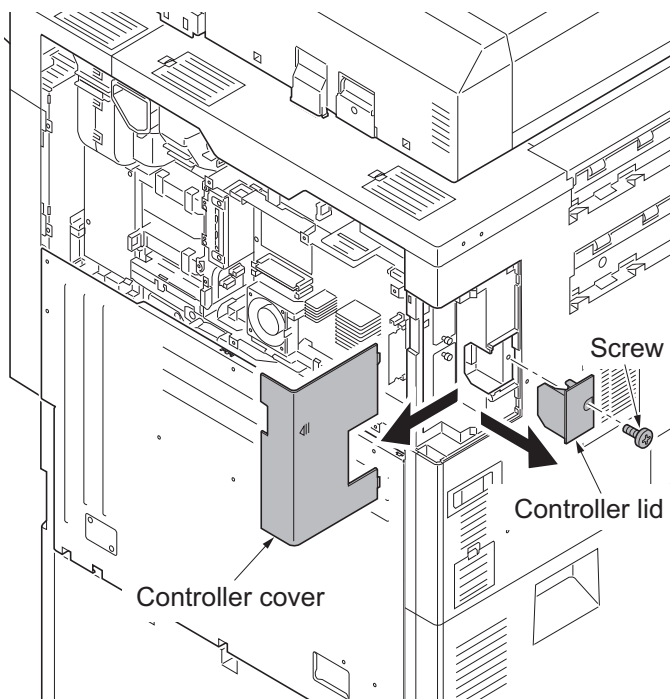


Figure 1-5-83

4. Release seven wire saddles on the controller box.
5. Remove the wire holder.

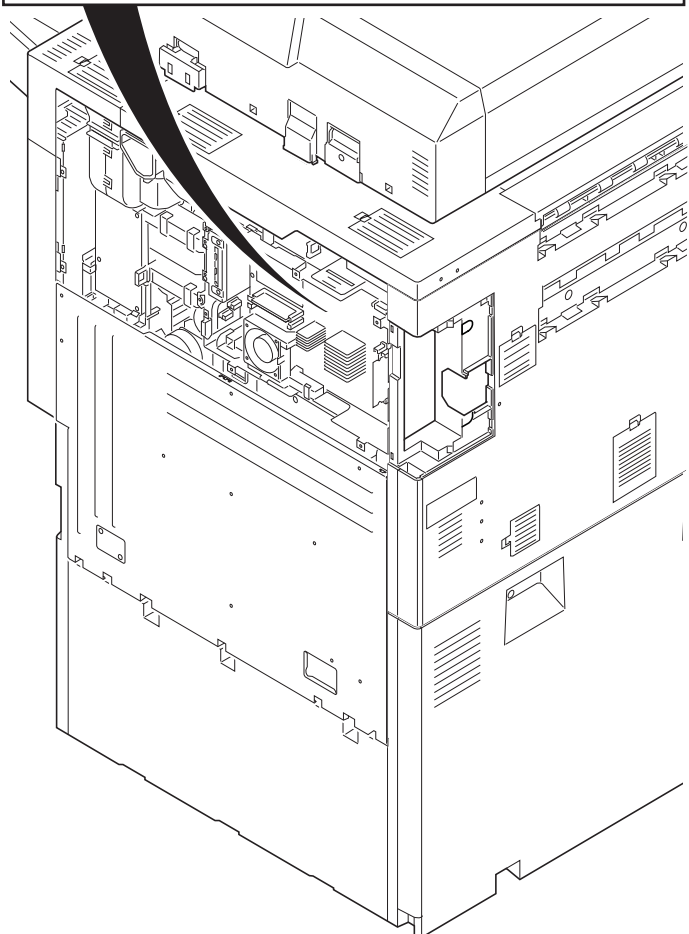
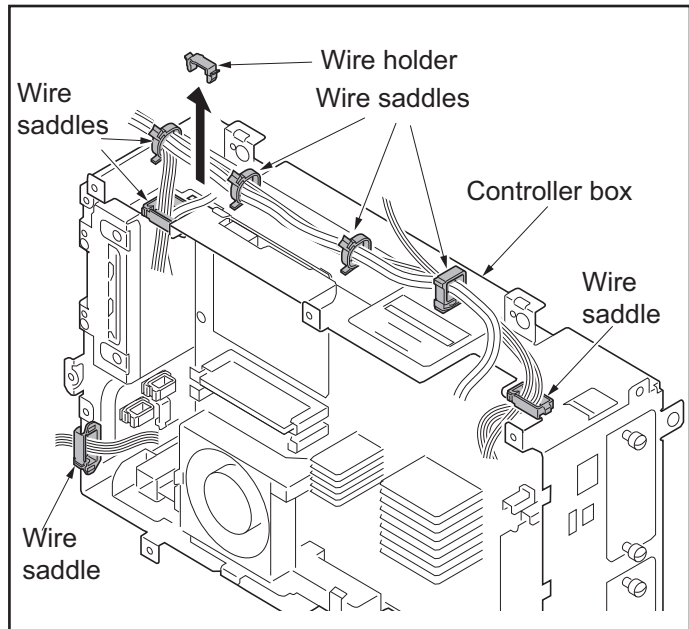


Figure 1-5-84

- 6. Remove the connector from the DP relay PWB,
- 7. Remove the following connectors that connected to the main PWB from the outside of the control box.

- YC25
- YC11
- YC30
- YC24
- YC3 (FFC connector with a lock)
- YC17 (BK)
- YC21 (WH)
- YC12
- YC18

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see figure a and b).

*: When connecting an FFC furnished with the protrusions at both ends, address the side with a blue-colored tape towards the locking lever, insert the FFC into the connector until the protrusions are recessed, and raise the lock lever to lock the FFC (see figure c).

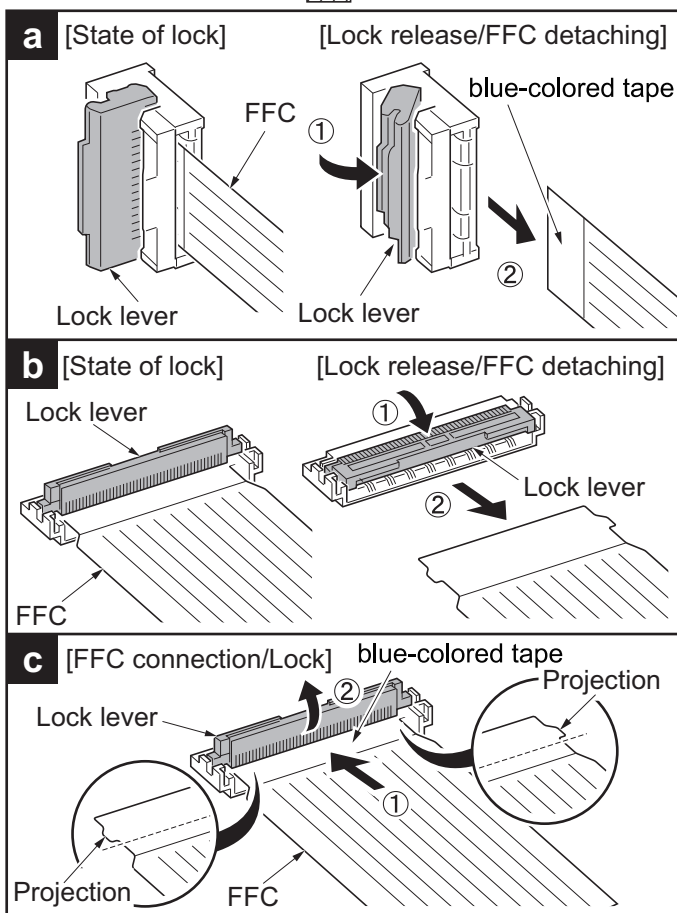
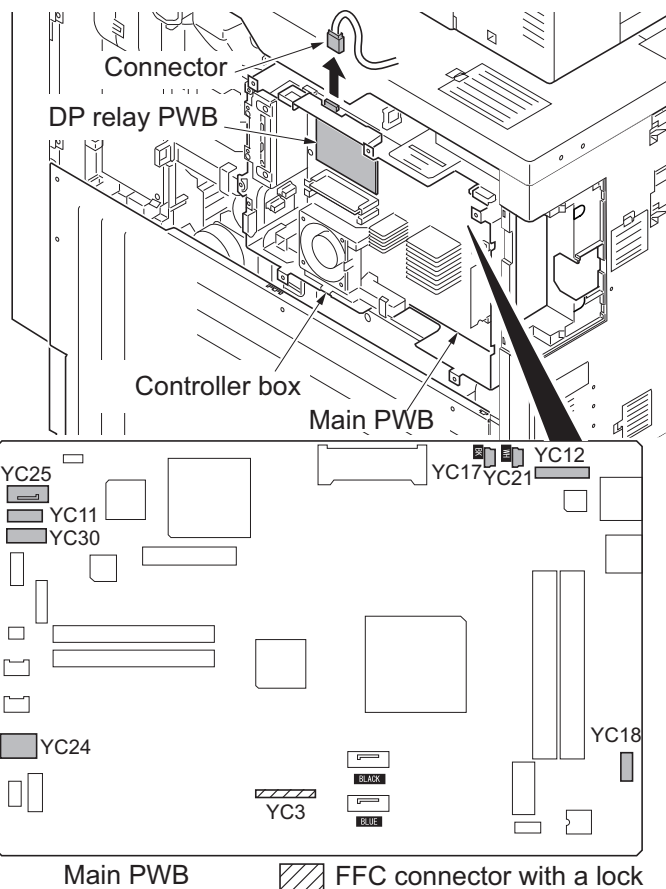


Figure 1-5-85

8. Remove five screws.
9. Unhook two hooks and then remove the controller box.

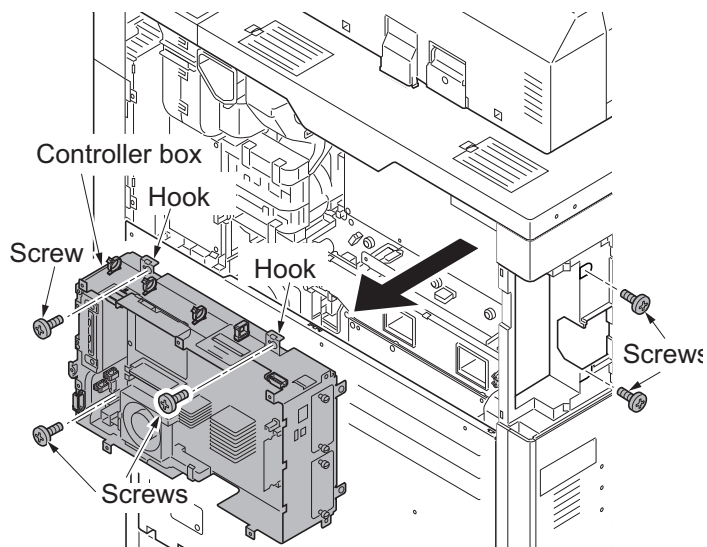


Figure 1-5-86

10. Remove the following connectors that connected to the main PWB.

YC23
 YC27
 YC32
 YC8 (FFC connector with a lock)
 YC9
 YC1 [BLACK] (with a lock)
 YC2 [BLUE] (with a lock)

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see page 1-5-53).

*: When connecting an FFC furnished with the protrusions at both ends, address the side with a blue-colored tape towards the locking lever, insert the FFC into the connector until the protrusions are recessed, and raise the lock lever to lock the FFC (see page 1-5-53).

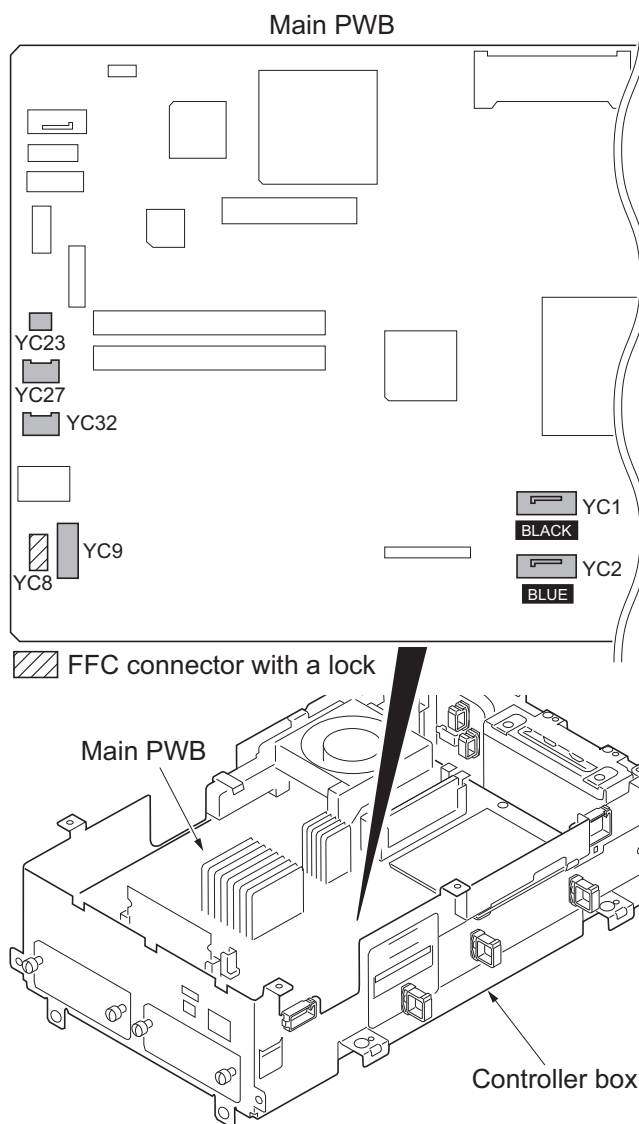


Figure 1-5-87

11. Release the wire saddle.
12. Remove two wire holders.
13. Remove two screws.
14. Remove the fan motor holder.

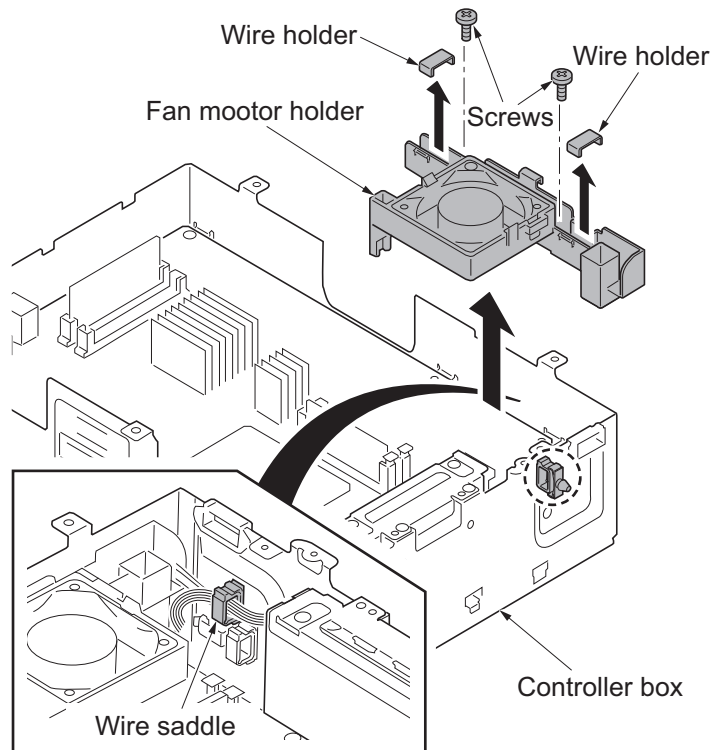


Figure 1-5-88

15. Remove two screws and then remove the upper controller box cover and DP relay PWB.
16. Remove five screws from the main PWB.

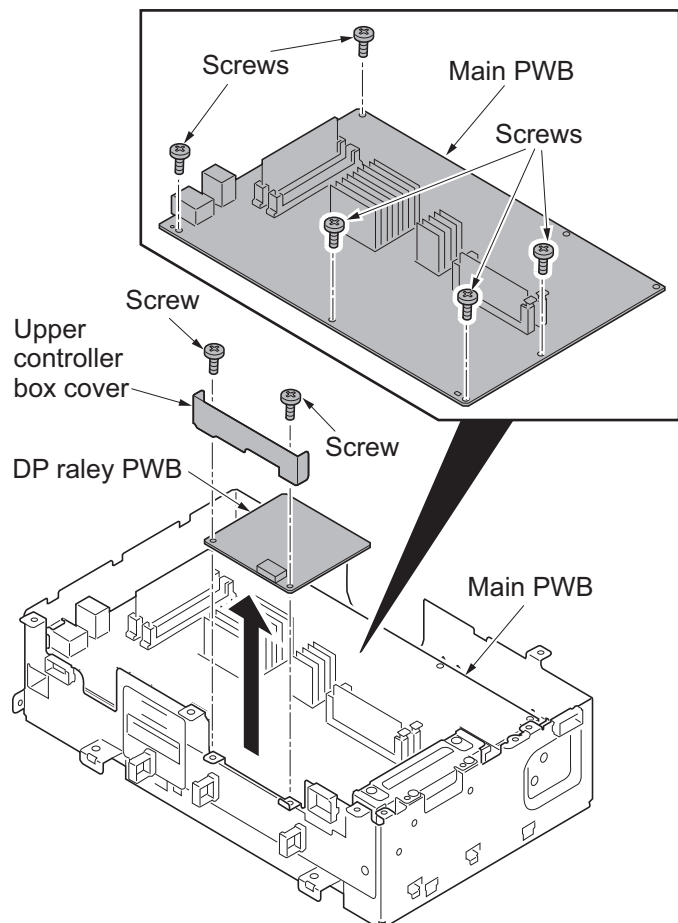


Figure 1-5-89

- 17. Remove the main PWB by releasing the projection of ground plate in the network connector.
- 18. Check or replace the main PWB and refit all the removed parts.

*: When replacing the main PWB, remove the following devices from the main PWB and then reattach it to the new main PWB(see page 1-6-4).

- EEPROM (YC14)
- Code DIMM (YS4)
- Memory DDR (YS1)

*: Exchange EEPROM (YC14) and code DIMM (YC4) by the set.

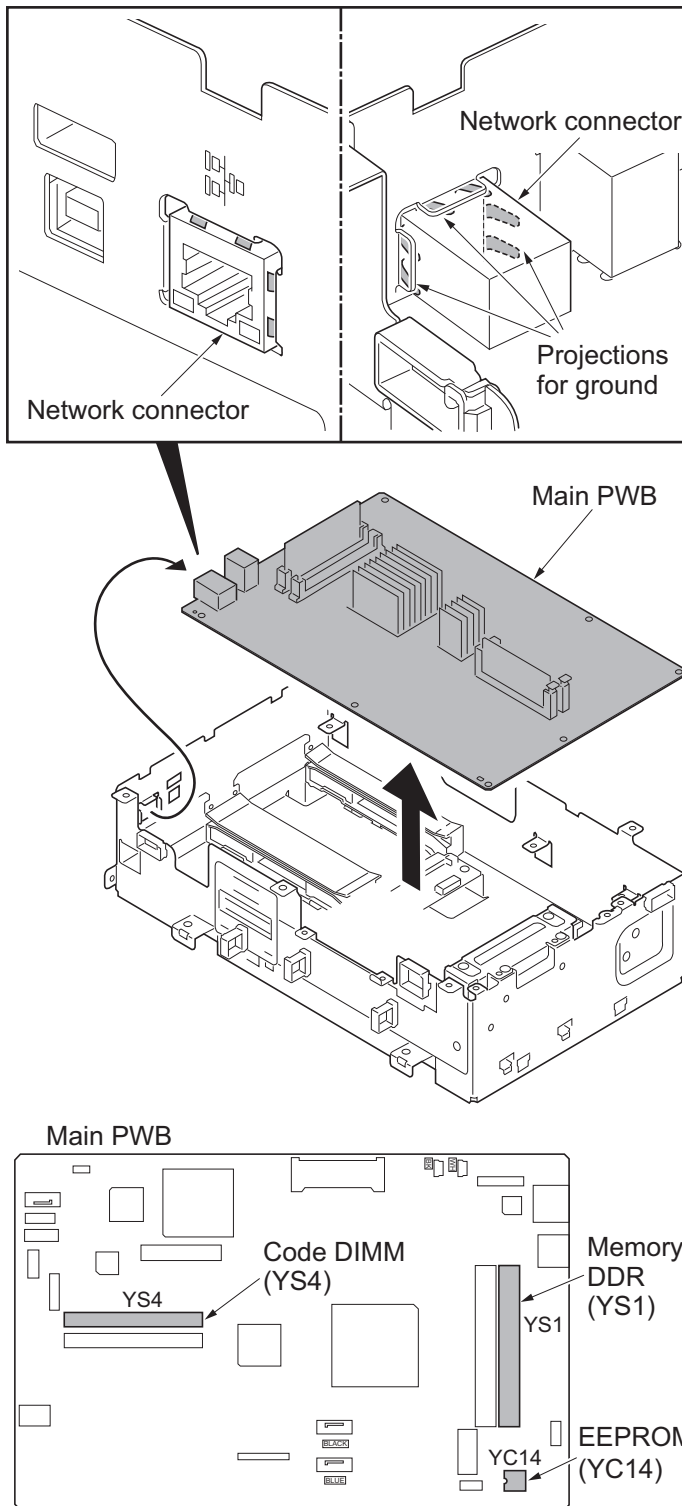


Figure 1-5-90

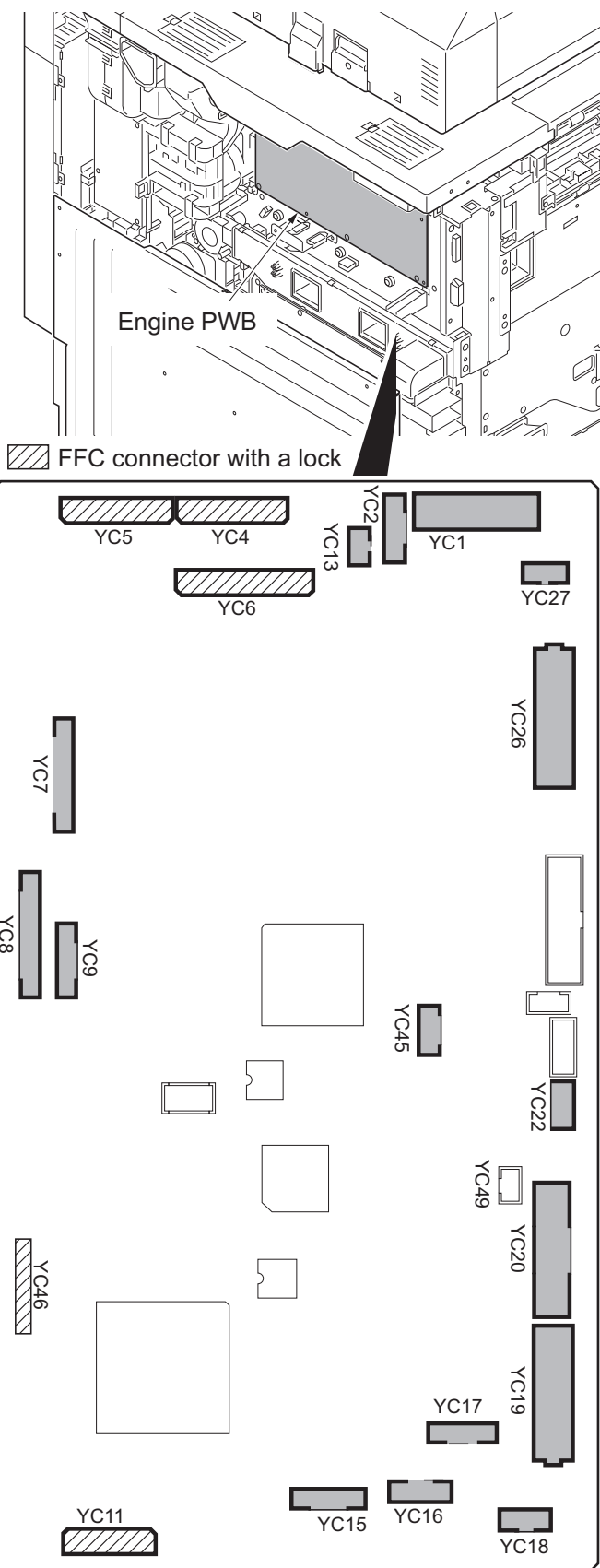
(2) Detaching and refitting the engine PWB

Procedure

1. Remove the controller box (see page 1-5-51).
2. Remove twenty one connectors of following from the engine PWB.

- YC1
- YC2
- YC4 (FFC connector with a lock)
- YC5 (FFC connector with a lock)
- YC6 (FFC connector with a lock)
- YC7
- YC11 (FFC connector with a lock)
- YC13
- YC26
- YC9
- YC8
- YC46 (FFC connector with a lock)
- YC15
- YC16
- YC18
- YC17
- YC19
- YC20
- YC22
- YC45

- *: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see page 1-5-53).
- *: When removing the FFC from the YC-46 remove the FFC after released by lifting up the lock lever.
- *: When connecting an FFC furnished with the protrusions at both ends, address the side with a blue-colored tape towards the locking lever, insert the FFC into the connector until the protrusions are recessed, and raise the lock lever to lock the FFC (see page 1-5-53).



Engine PWB

Figure 1-5-91

3. Remove six screws.
4. Unhook hook and board support and then remove the engine PWB.
5. Check or replace the engine PWB and refit all the removed parts.

*: When replacing the engine PWB, remove the EEPROM (U100) from the engine PWB and then reattach it to the new engine PWB.

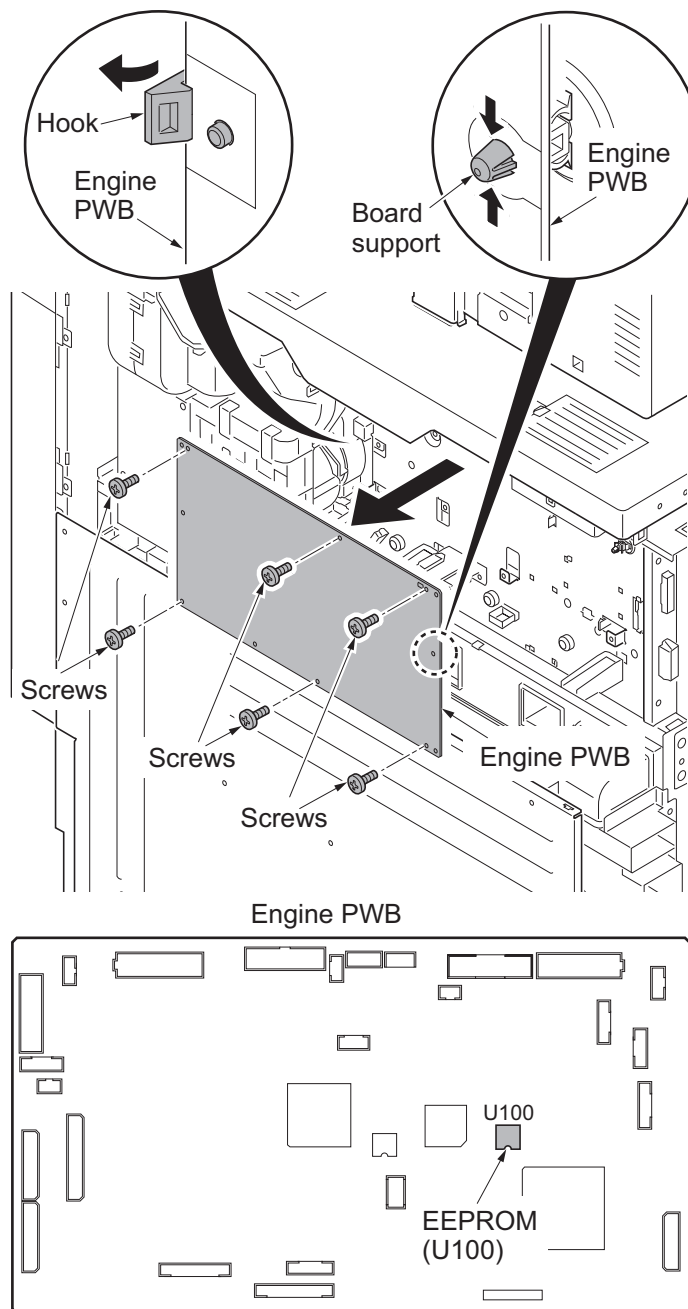


Figure 1-5-92

(3) Detaching and refitting the power source PWB

Procedure

1. Remove the rear lower cover (see page 1-5-66).
2. Remove the connector.
3. Release two wire saddles.

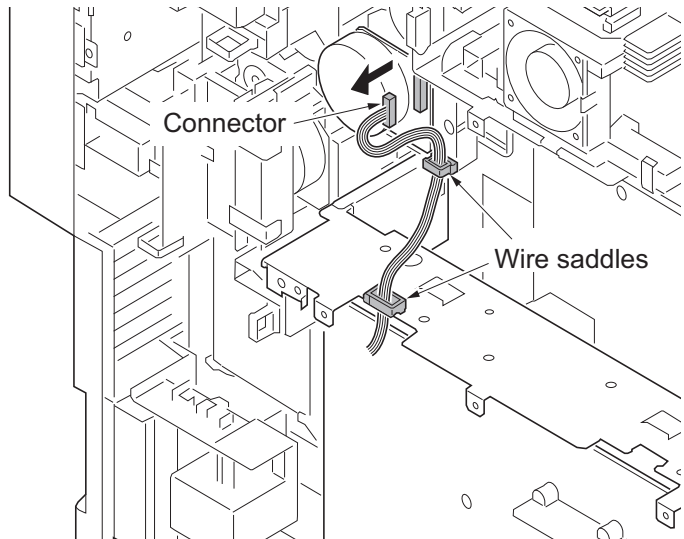
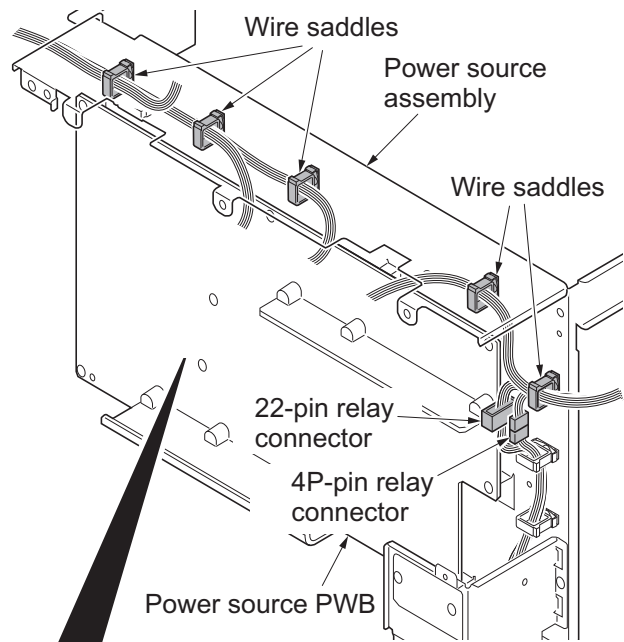


Figure 1-5-93

4. Release six wire saddles.
5. Remove the following nine connectors and three tabs from the power source PWB.
 YC1
 YC3
 TB1
 TB2
 TB3
 YC4
 YC5
 YC14
 YC11
 YC9
 YC13
 YC10



6. Remove 22-pin relay connector and 4-pin relay connector.

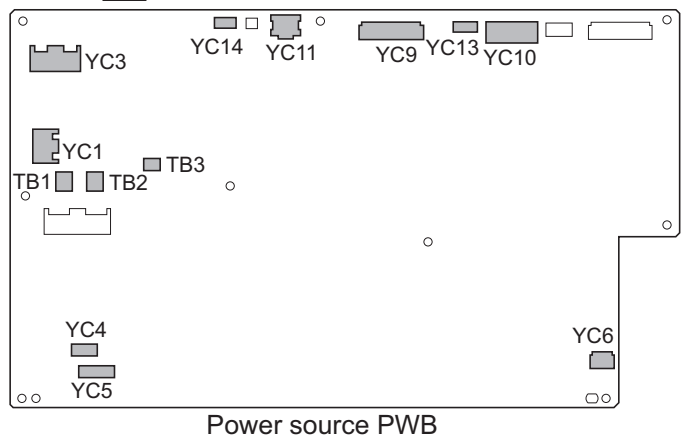


Figure 1-5-94

- 7. Remove two screws.
- 8. Remove the toner box.

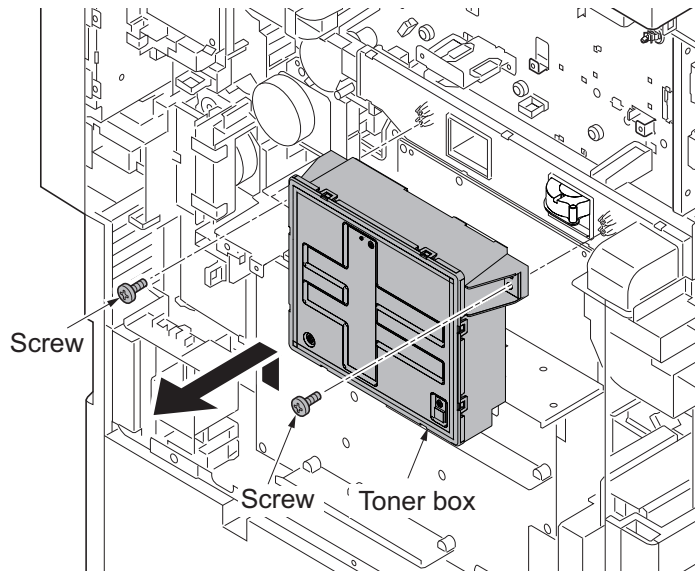


Figure 1-5-95

- 9. Remove two screws.
- 10. Remove the power source assembly.

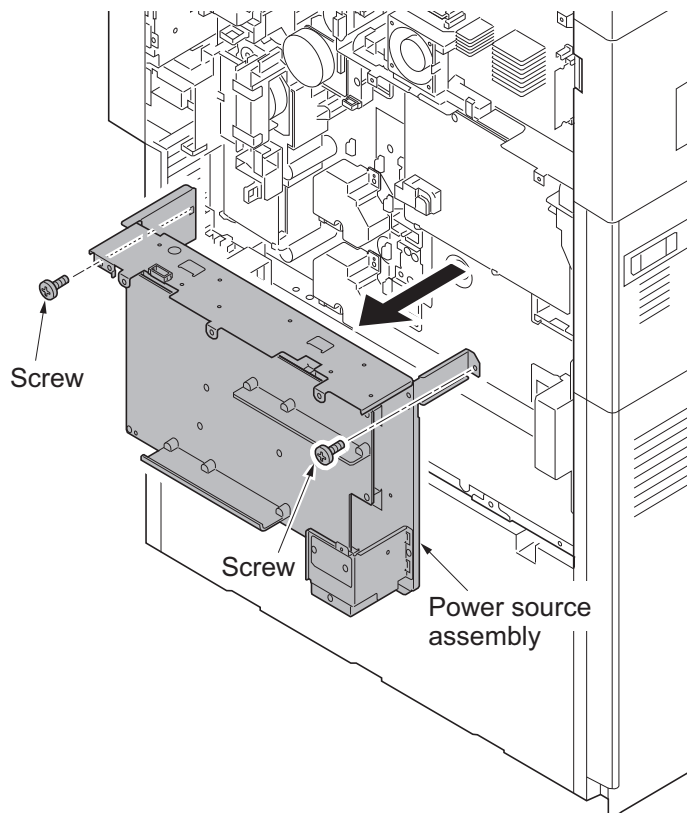
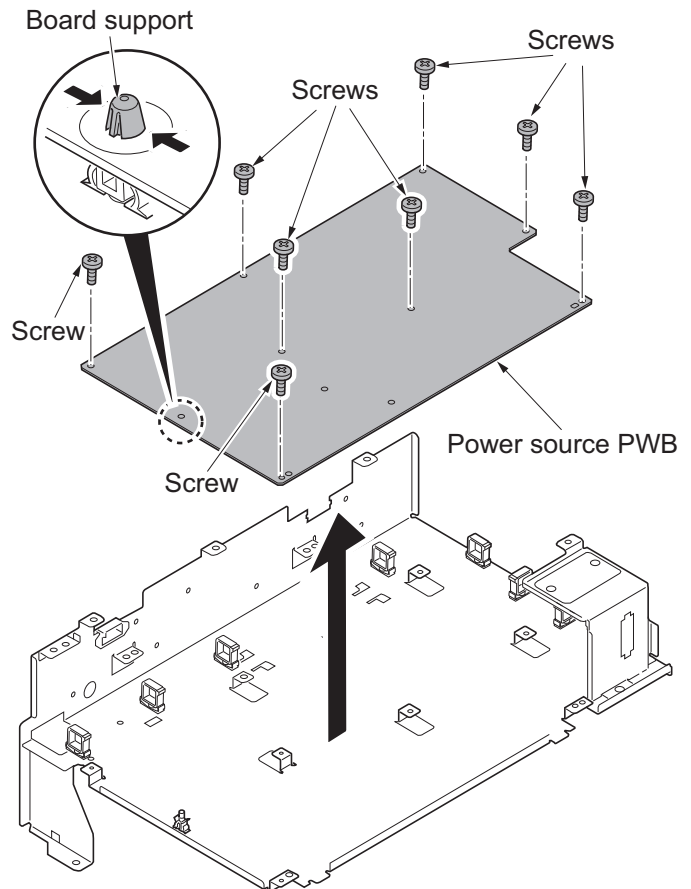


Figure 1-5-96

11. Remove eight screws.
12. Unhook the board support and then remove the power source PWB.
13. Check or replace the power source PWB and refit all the removed parts.

**Figure 1-5-97**

(4) Detaching and refitting the high voltage PWB

Procedure

1. Remove the power source PWB (see page 1-5-59).
2. Remove five connectors and four tabs from high voltage PWB.

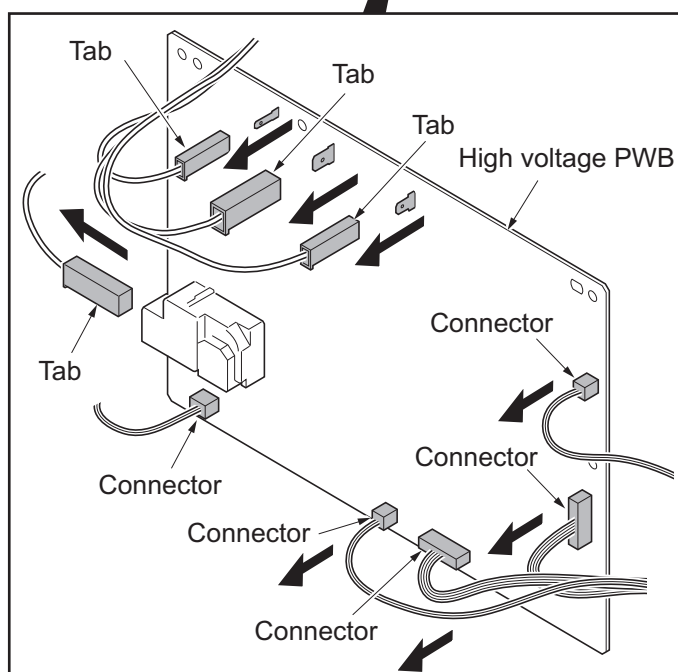
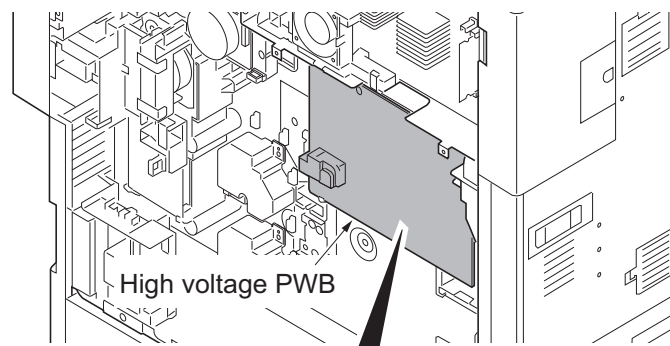


Figure 1-5-98

3. Remove four screws.
4. Unhook two hooks of PWB spacer and then remove the high voltage PWB.
5. Check or replace the high voltage PWB and refit all the removed parts.

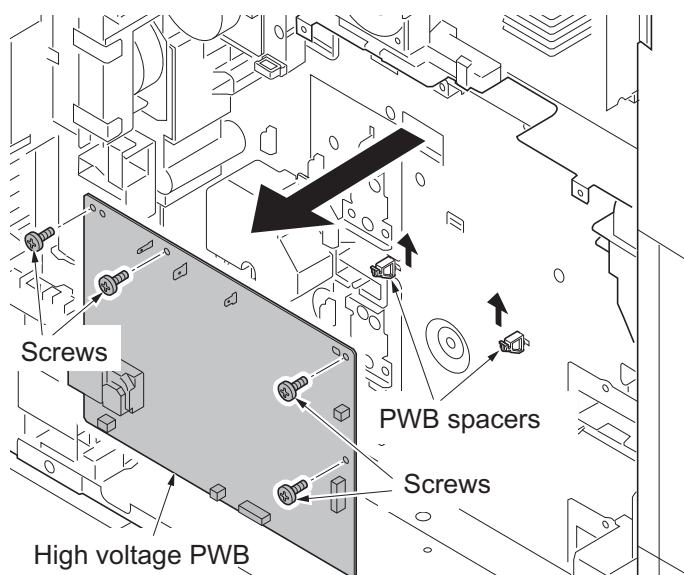


Figure 1-5-99

(5) Detaching and refitting the operation PWB

Procedure

1. Unhook two hooks and then remove the operation hinge cover A.

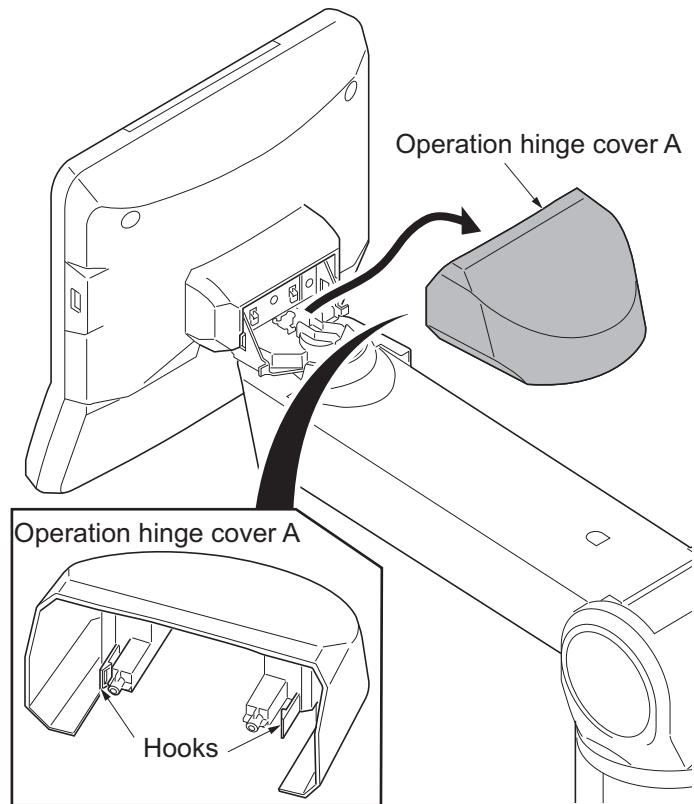


Figure 1-5-100

2. Remove two screws of the operation rear lid.
3. Unhook four hooks and then remove the operation rear lid.

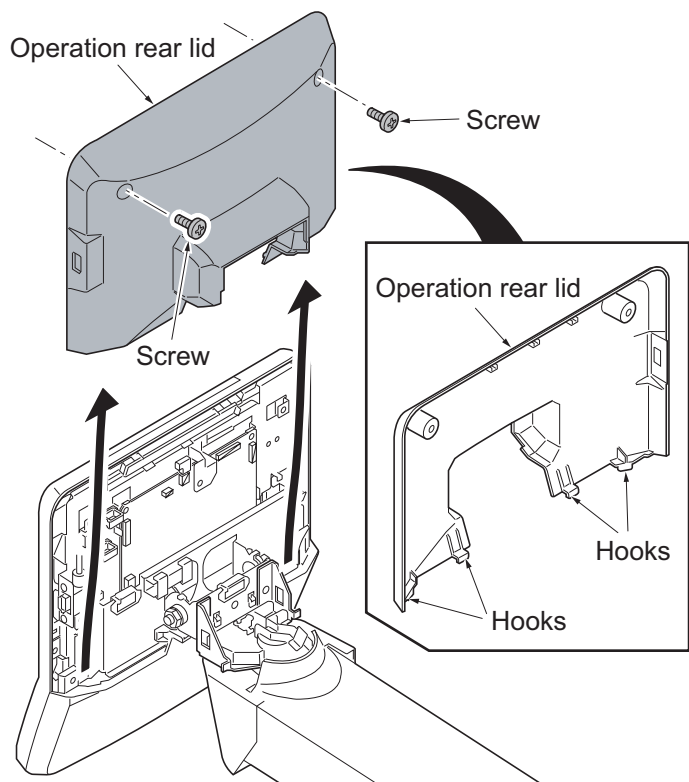


Figure 1-5-101

4. Remove two screws and then remove the USB wire (connector).
5. Release two wire saddles.
6. Remove the wire holder.
7. Remove three connectors.

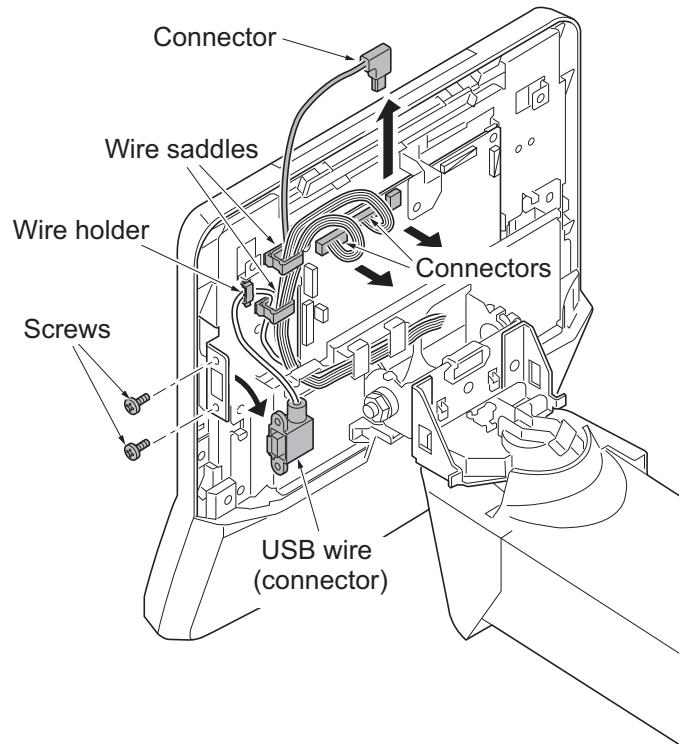


Figure 1-5-102

8. Remove four screws and then remove the operation unit.

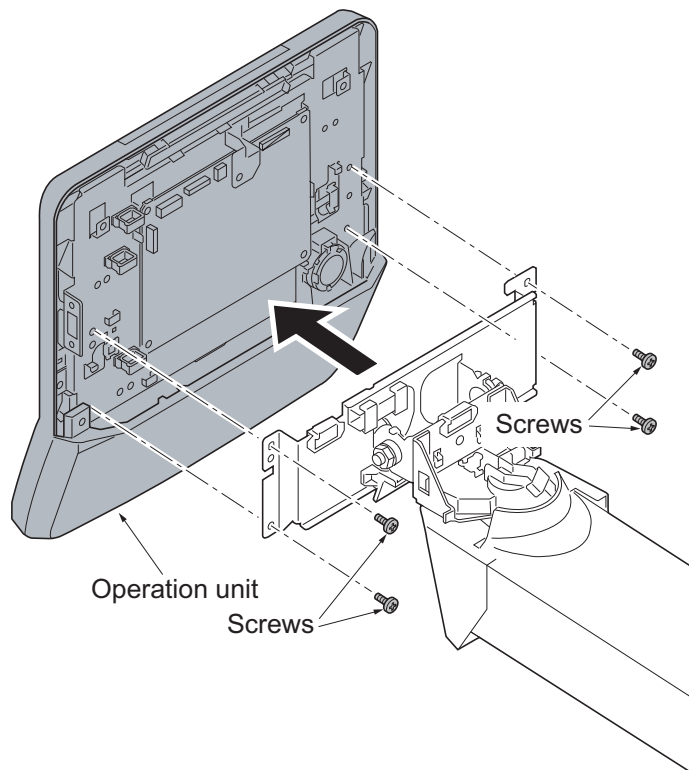


Figure 1-5-103

9. Remove four connectors and two FFCs from the operation PWB.

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see page 1-5-53).

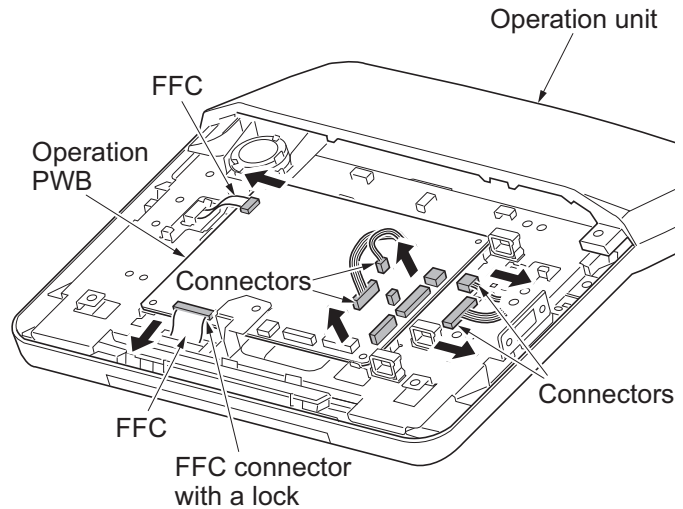


Figure 1-5-104

10. Remove four screws and then remove the operation PWB.

11. Check or replace the operation PWB and refit all the removed parts.

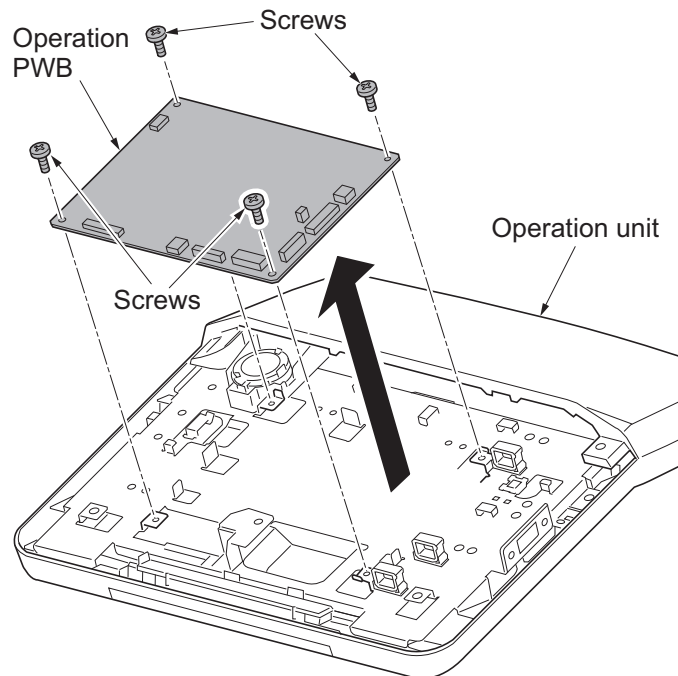


Figure 1-5-105

(6) Detaching and refitting the fuser IH PWB

Procedure

1. Remove eight screws and then remove the rear upper cover.

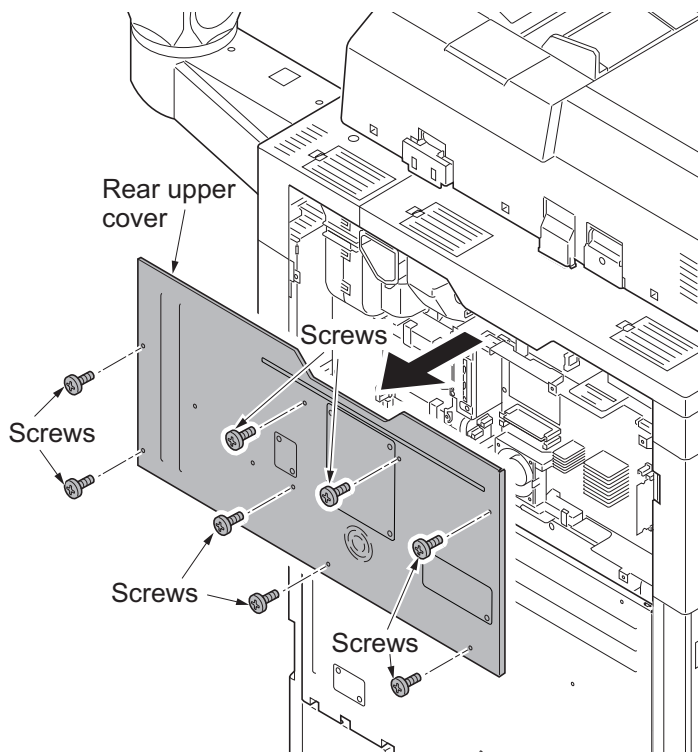


Figure 1-5-106

2. Remove nine screws.
3. Release two hanging parts and then remove the rear lower cover.
4. Remove the fuser unit (see page 1-5-47).

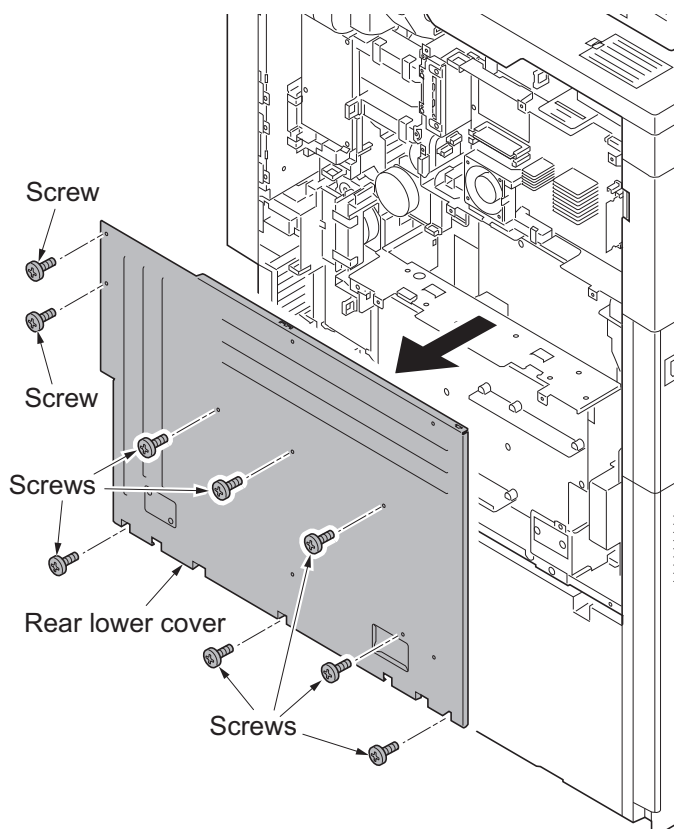


Figure 1-5-107

5. Remove two screws and then remove the ISU right cover.
6. Remove the clip holder A.
7. Remove the screw and then remove the clip holder B.
8. Unhook three hooks and then remove the right upper cover.

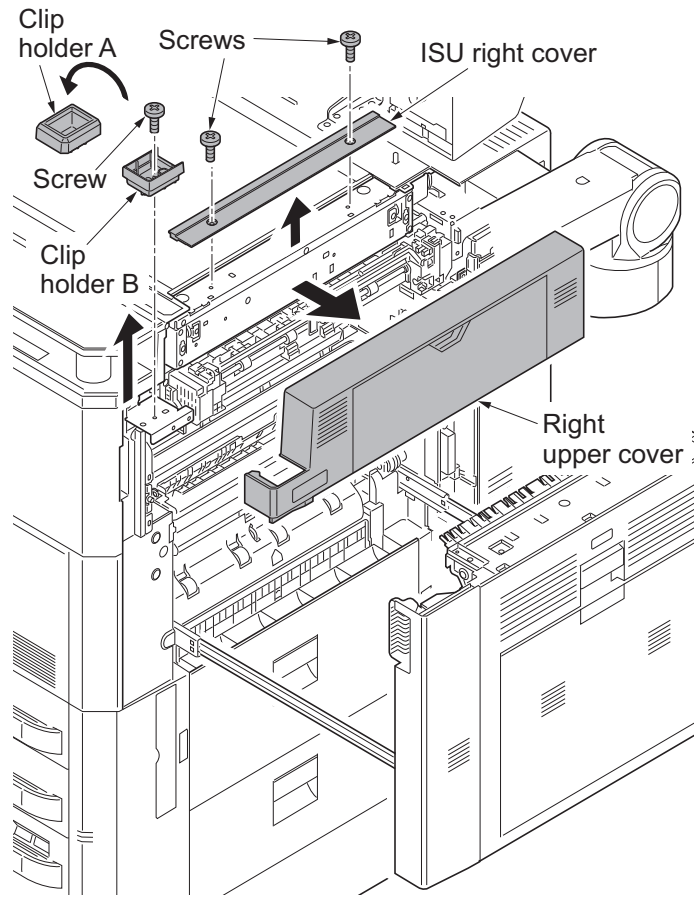


Figure 1-5-108

9. Remove the screw.
10. Unhook two hooks and then remove the right middle rear cover.

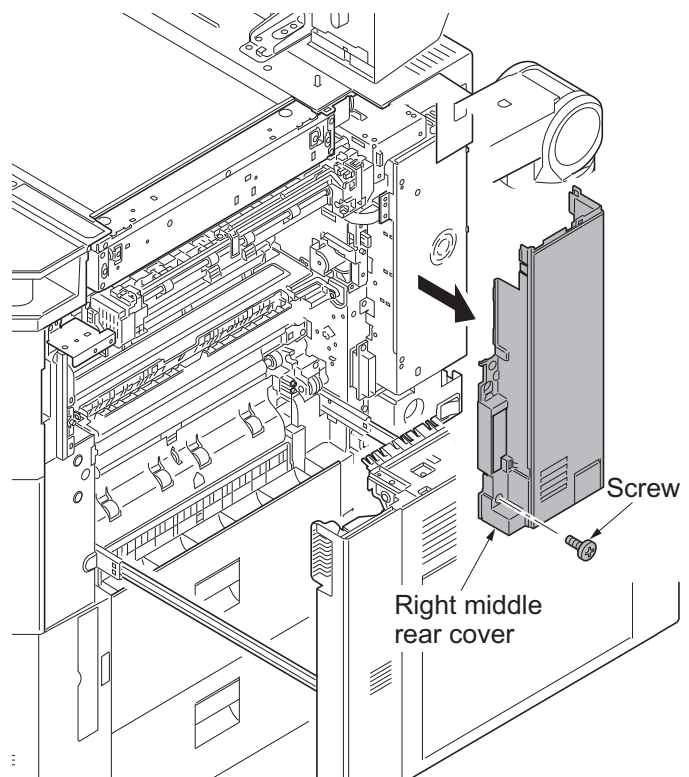


Figure 1-5-109

11. Remove four screws and then remove the fuser IH PWB cover.
12. Remove the IH wire cover.

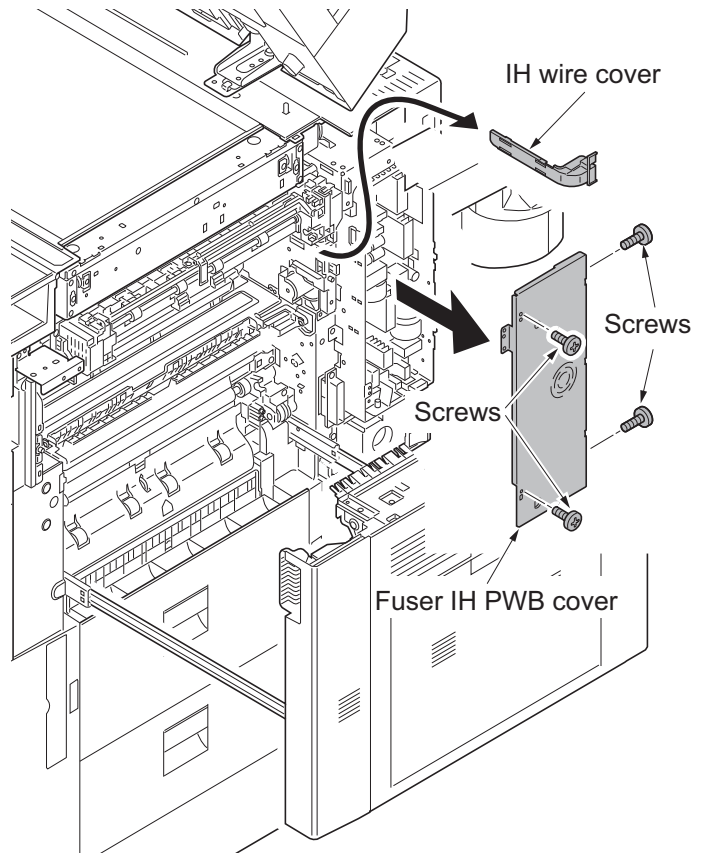


Figure 1-5-110

13. Release two wire saddles.
14. Remove four connectors from the fuser IH PWB.

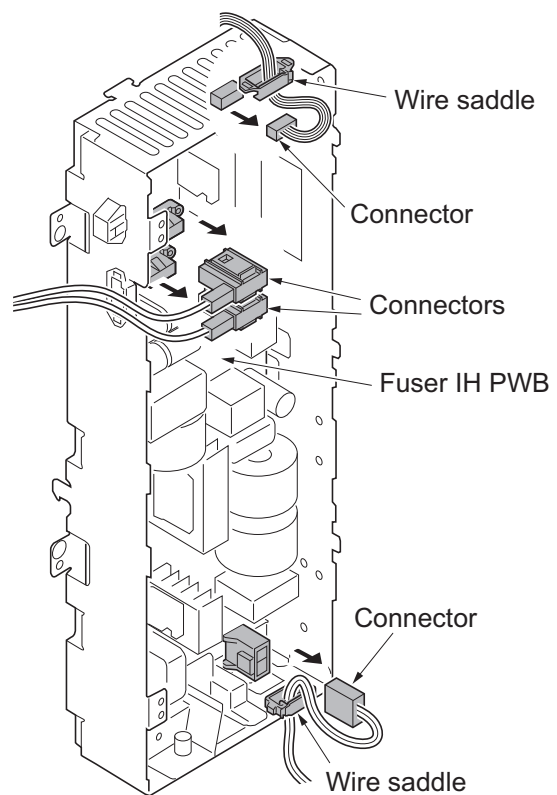


Figure 1-5-111

15. Remove two wire holders.
16. Remove the connector (YC27) from feed PWB 1.

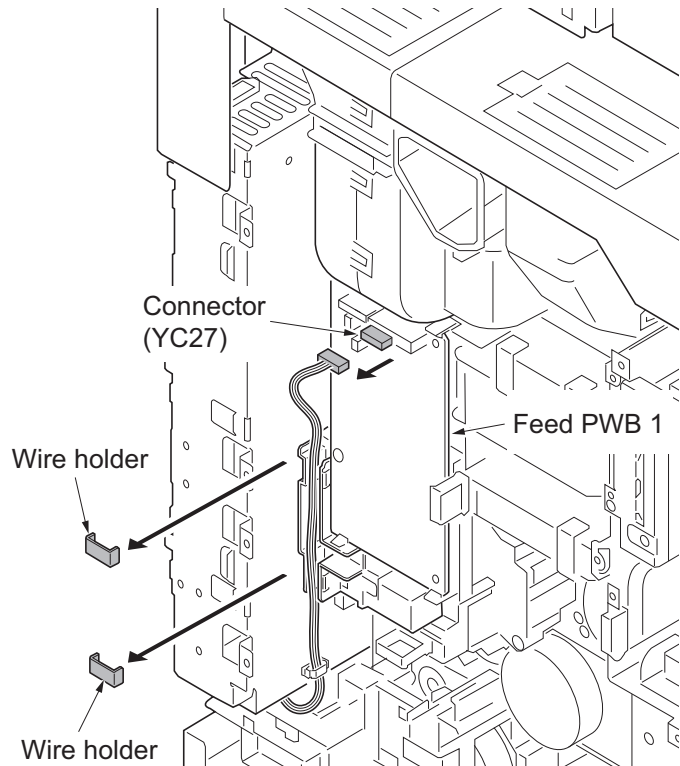


Figure 1-5-112

17. Remove three screws.
18. Unhook two hooks and then remove IH box assembly.

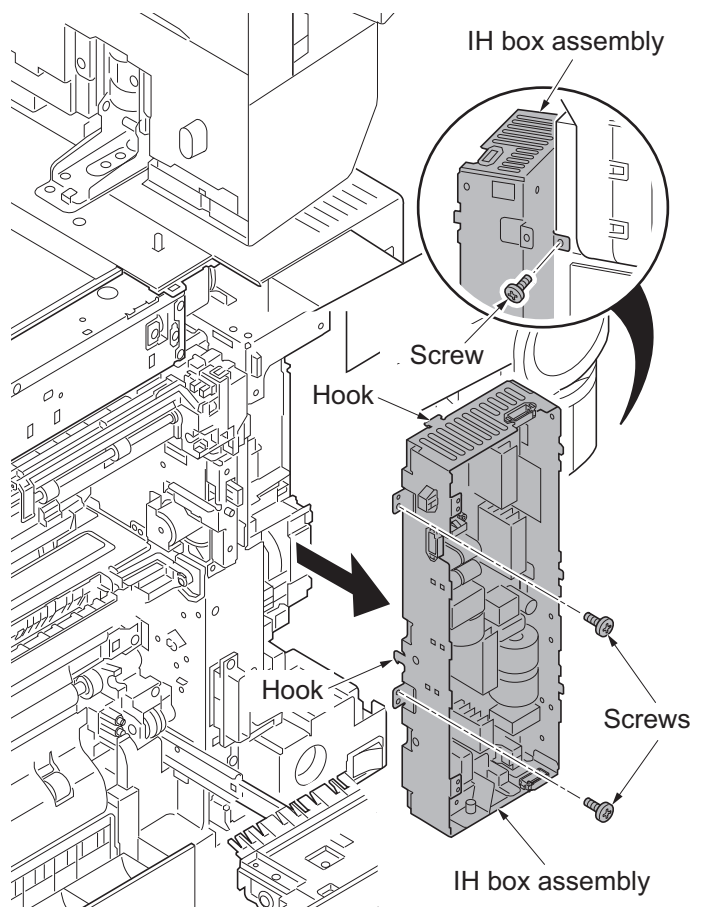
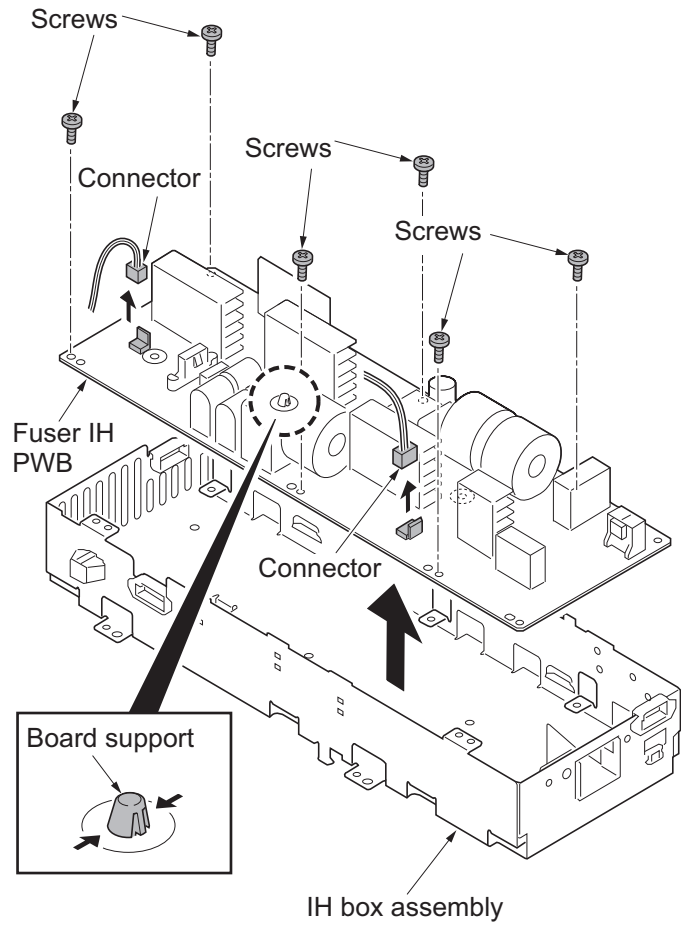


Figure 1-5-113

19. Remove two connectors.
20. Remove six screws.
21. Unhook the hook of the board support and then remove fuser IH PWB.
22. Check or replace the fuser IH PWB and refit all the removed parts.

**Figure 1-5-114**

(7) Detaching and refitting the PF main PWB

Procedure

1. Remove three screws and then remove the PF rear cover.

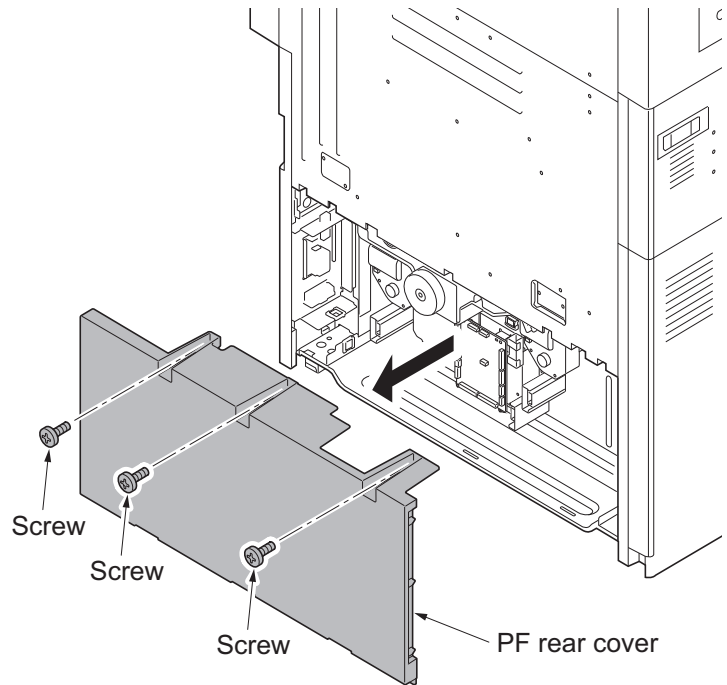


Figure 1-5-115

2. Remove all connectors from the PF main PWB.

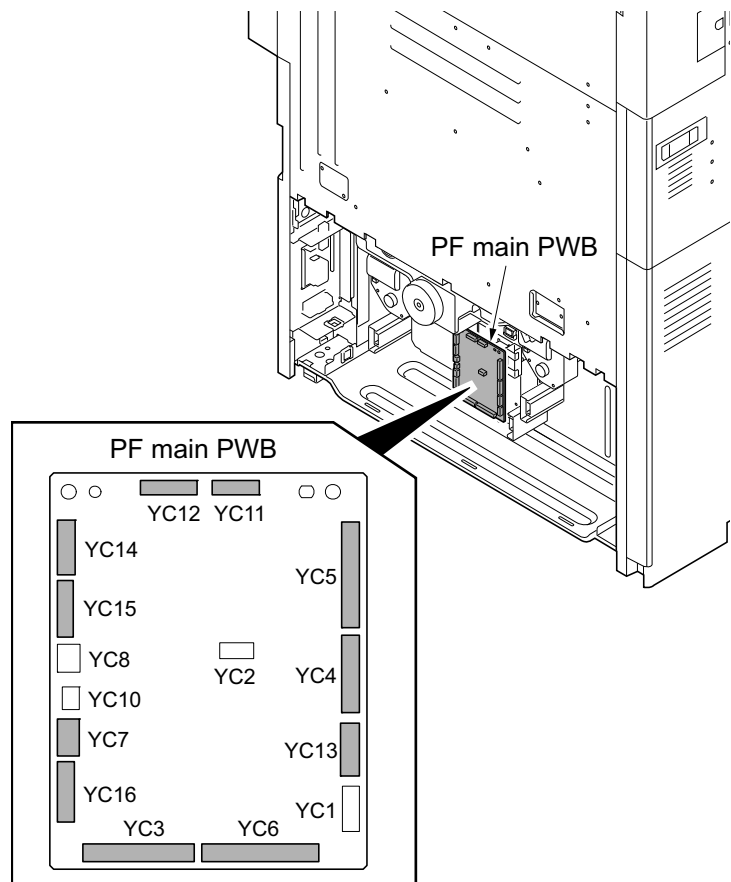


Figure 1-5-116

3. Remove two screws and then remove the PF main PWB from two holder.
4. Check or replace the PF main PWB and refit all the removed parts.
5. Enter maintenance mode U901 after powerup and port the counters on the engine board to the PF board.

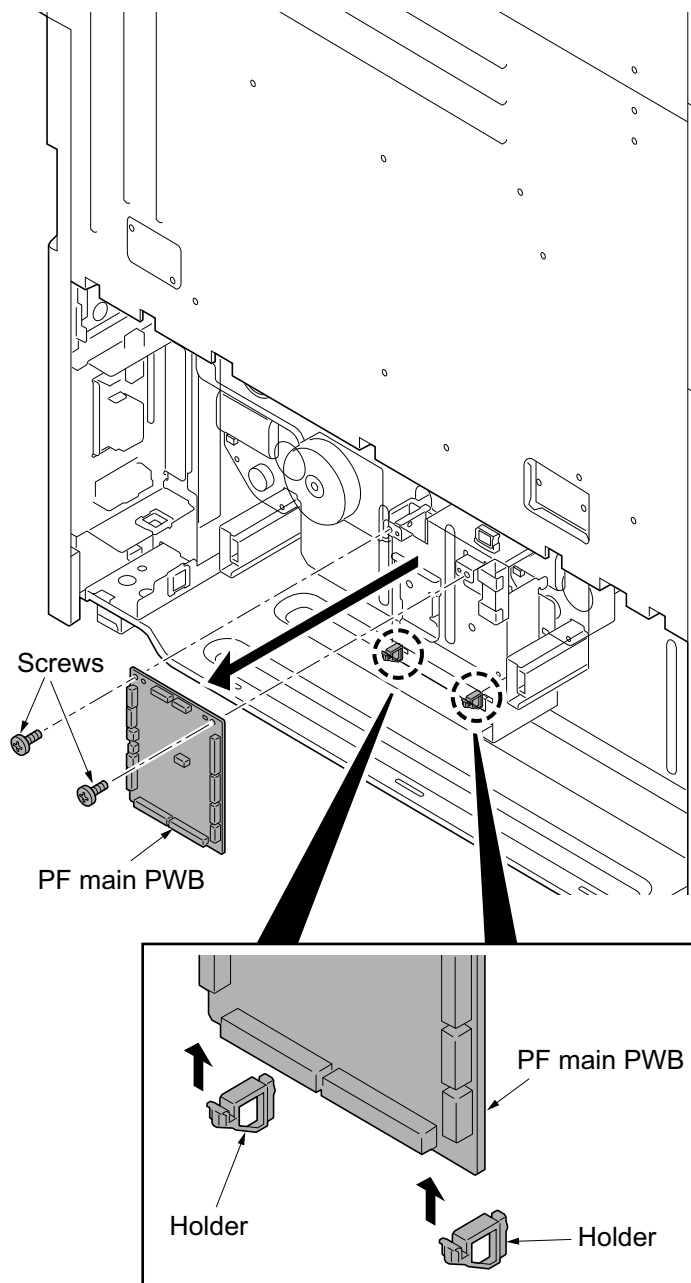


Figure 1-5-117

1-5-8 Drive section

(1) Detaching and refitting the drum drive unit

Procedure

1. Remove the developer unit (see page 1-5-39).
2. Remove the drum unit (see page 1-5-40).
3. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
4. Remove the feed PWB 1 assembly (see page 1-5-76).
5. Remove the connector.
6. Release the wire saddle.

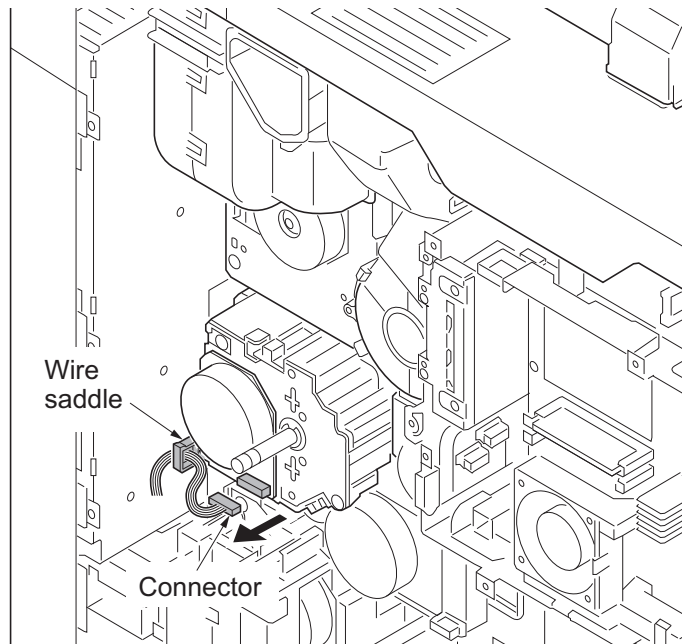


Figure 1-5-118

7. Remove three screws.
8. Remove the drum drive unit.
- *: Do not have a shaft part alone when you carry drum drive unit. (Have the housing.)
- *: Put support on the tip of the shaft so that the shaft may become the horizontal when you put drum drive unit on the table etc.

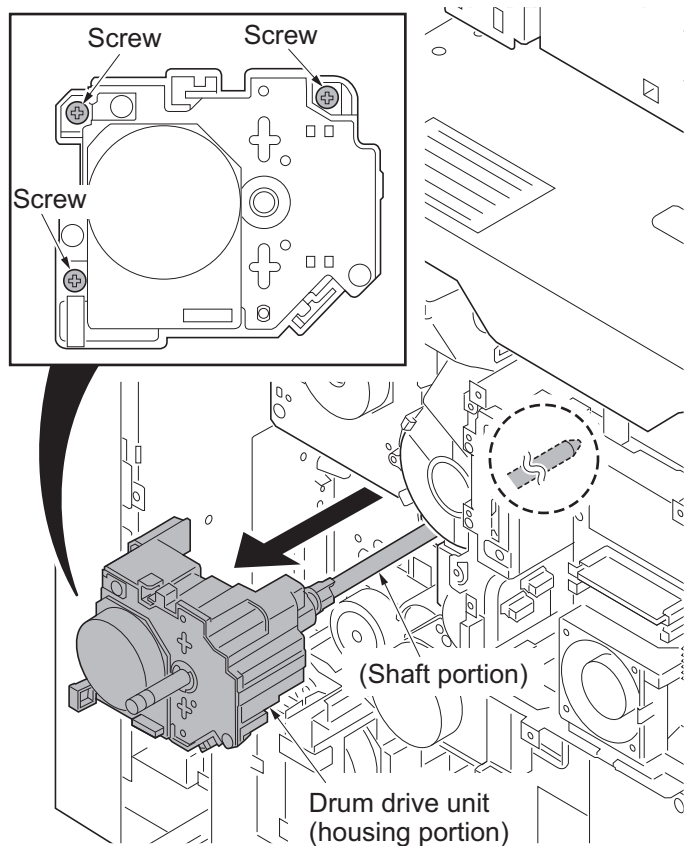


Figure 1-5-119

(2) Detaching and refitting the drum motor

Procedure

1. Remove the developer unit (see page 1-5-39).
2. Remove the drum unit (see page 1-5-40).
3. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
4. Remove the feed PWB 1 assembly (see page 1-5-76).
5. Remove the connector.
6. Release the wire saddle.

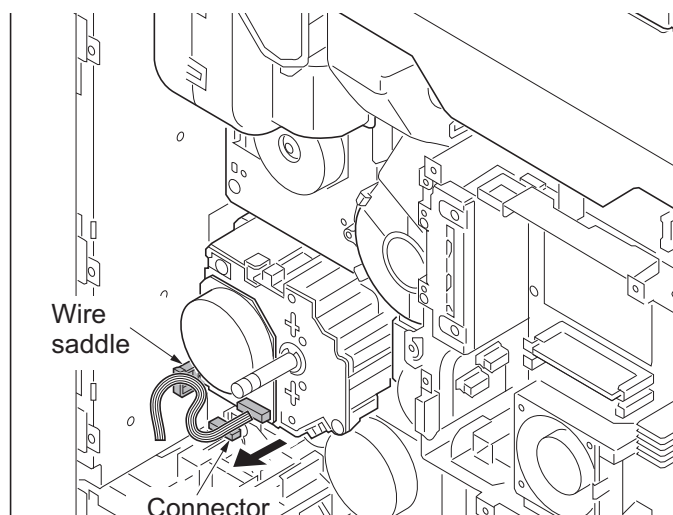


Figure 1-5-120

7. Remove three screws.
8. Remove the drum drive unit.

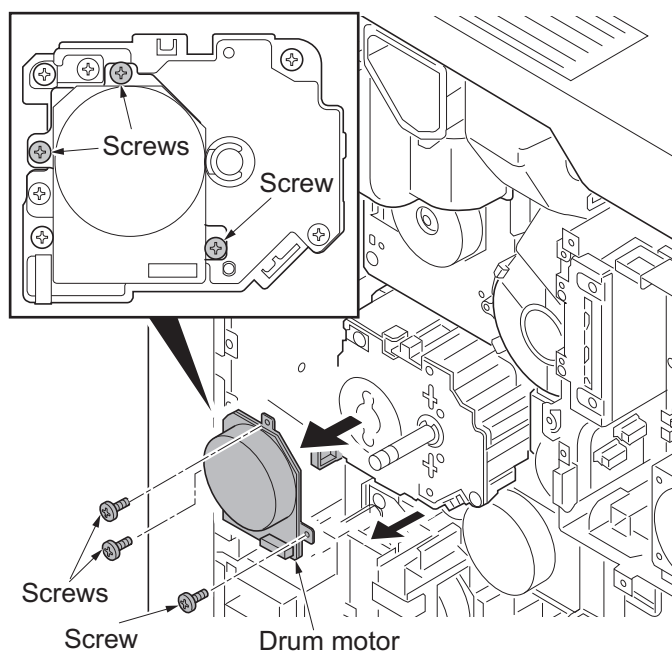


Figure 1-5-121

9. Remove two screws.
10. Remove the drive mounting bracket.

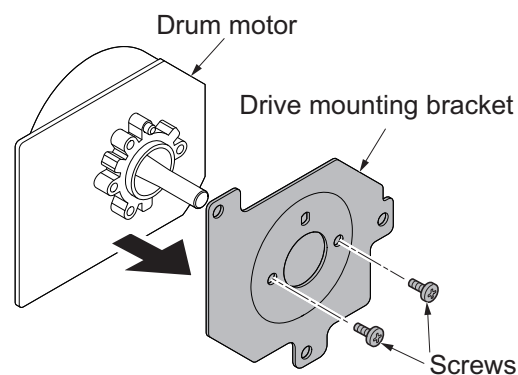


Figure 1-5-122

(3) Detaching and refitting the developer drive unit

Procedure

1. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
2. Remove the connector.
3. Release the wire saddle.
4. Remove two screws and then remove the developer drive unit.
5. Check or replace the developer drive unit and refit all the removed parts.

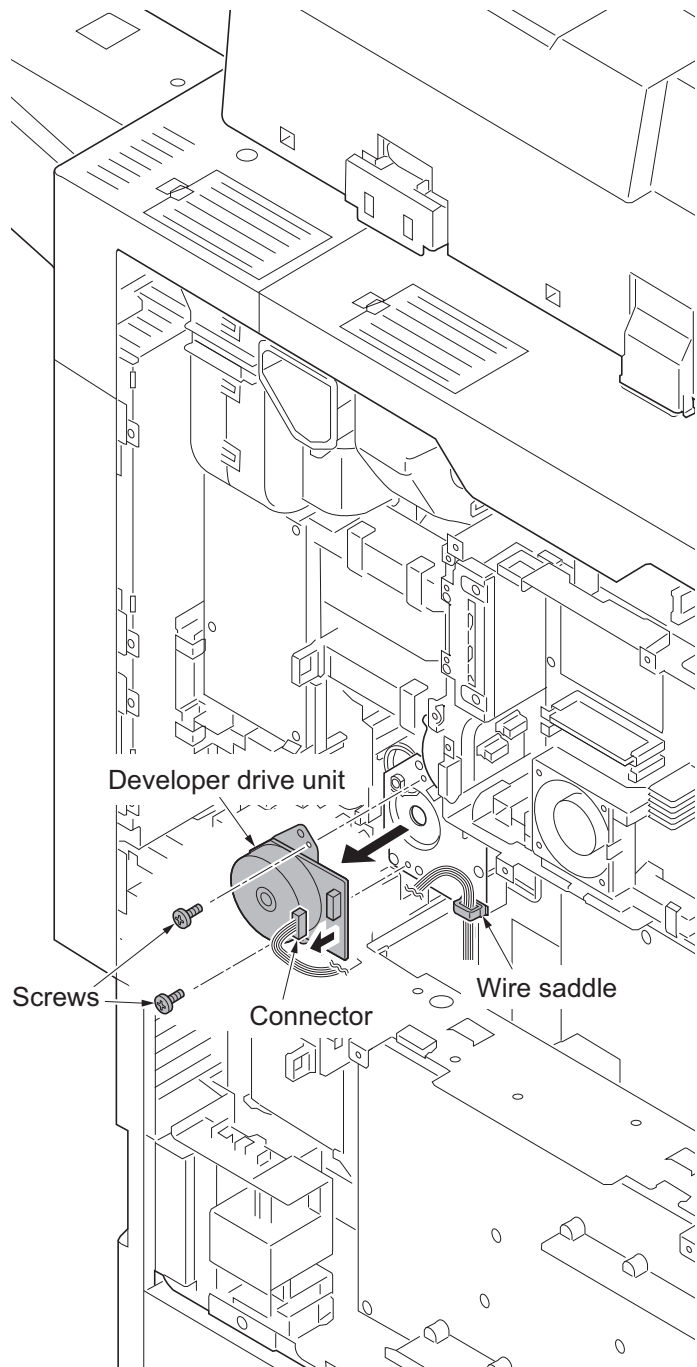


Figure 1-5-123

(4) Detaching and refitting the fuser drive unit and feed drive unit

Procedure

Detaching the fuser drive unit

1. Remove the rear upper cover and the rear lower cover (see page 1-5-66).
2. Remove five wire holders of feed PWB 1 assembly.
3. Release two wire saddles.

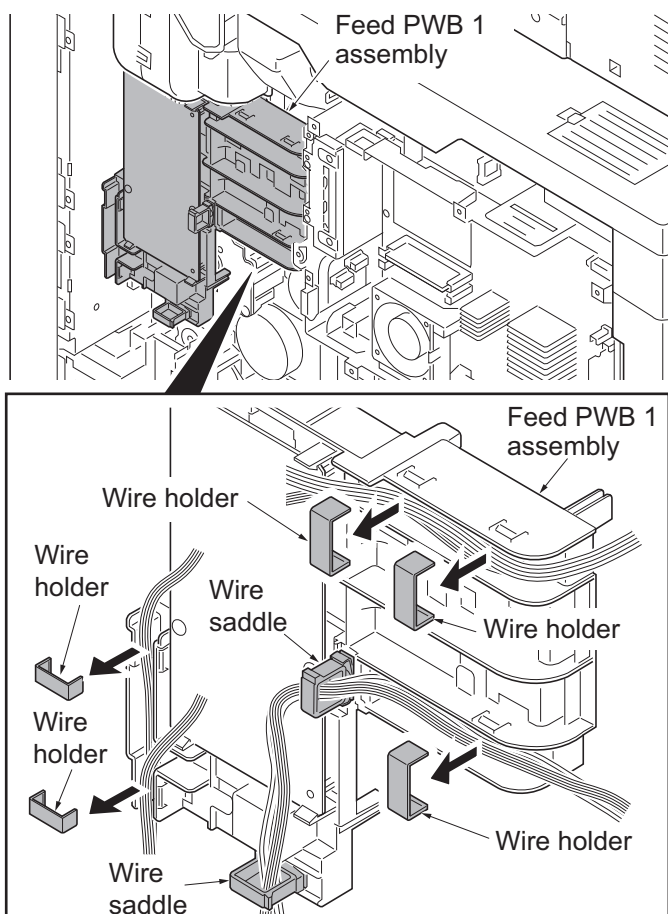


Figure 1-5-124

4. Remove the following twenty two connectors from the feed PWB 1.
 - YC18, YC19
 - YC20, YC27
 - YC26, YC3
 - YC17, YC14
 - YC10, YC16
 - YC13, YC12
 - YC23, YC25
 - YC15, YC11
 - YC5, YC4
 - YC1 (FFC connector with a lock)
 - YC2 (FFC connector with a lock)
 - YC8
 - YC9

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see page 1-5-53).

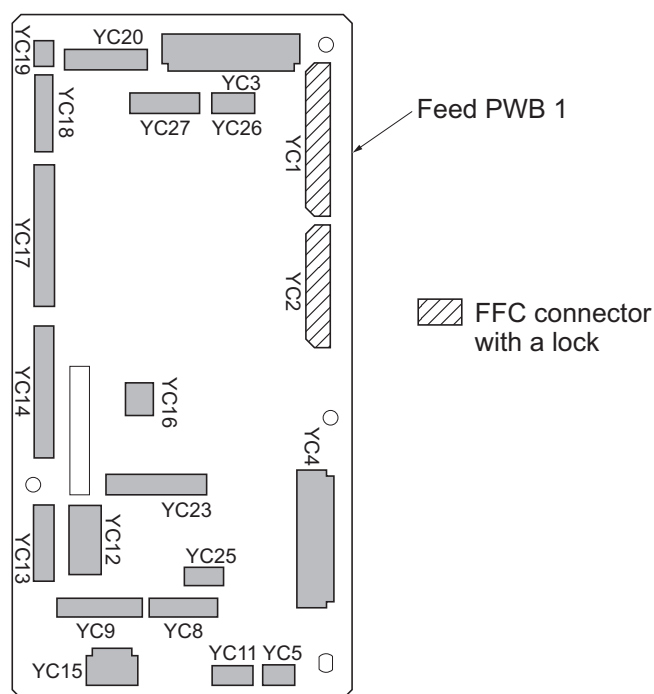


Figure 1-5-125

5. Remove the FFC from the FFC connector with a lock (YC4) on the engine PWB.
Remove the FFC from the FFC connector with a lock (YC1) on the feed PWB 2.

*: When removing the FFC from the FFC connector with a lock, remove the FFC after released by lifting down the lock lever (see page 1-5-53).

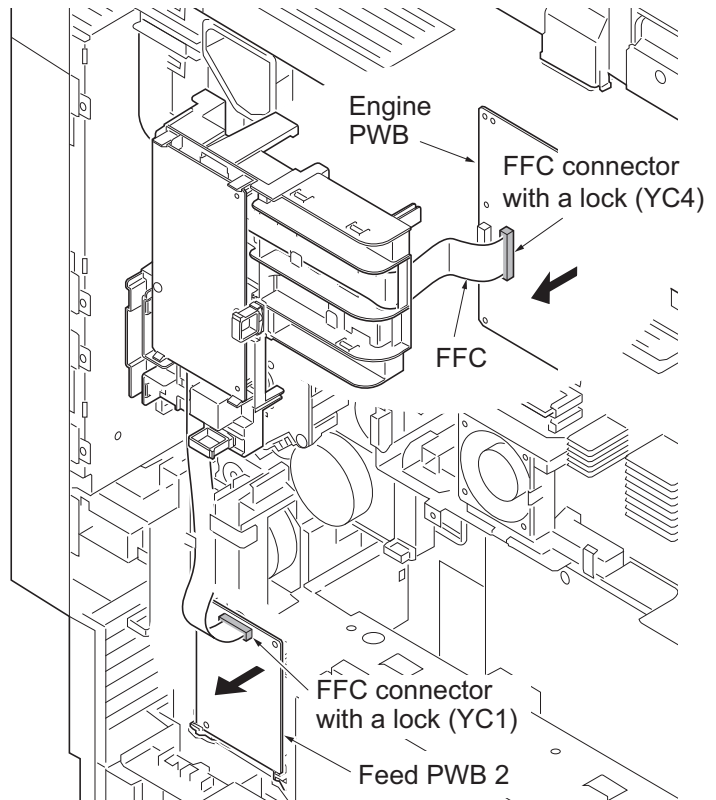


Figure 1-5-126

6. Remove three screws.
7. Remove the feed PWB 1 assembly.

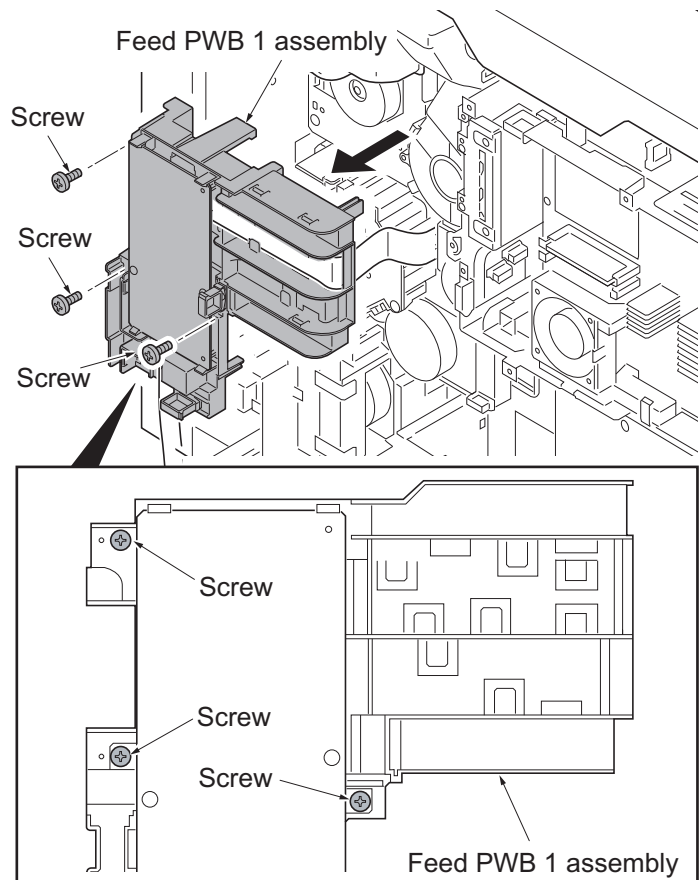


Figure 1-5-127

- 8. Remove the connector.
- 9. Remove three screws.
- 10. Remove the fuser drive unit.

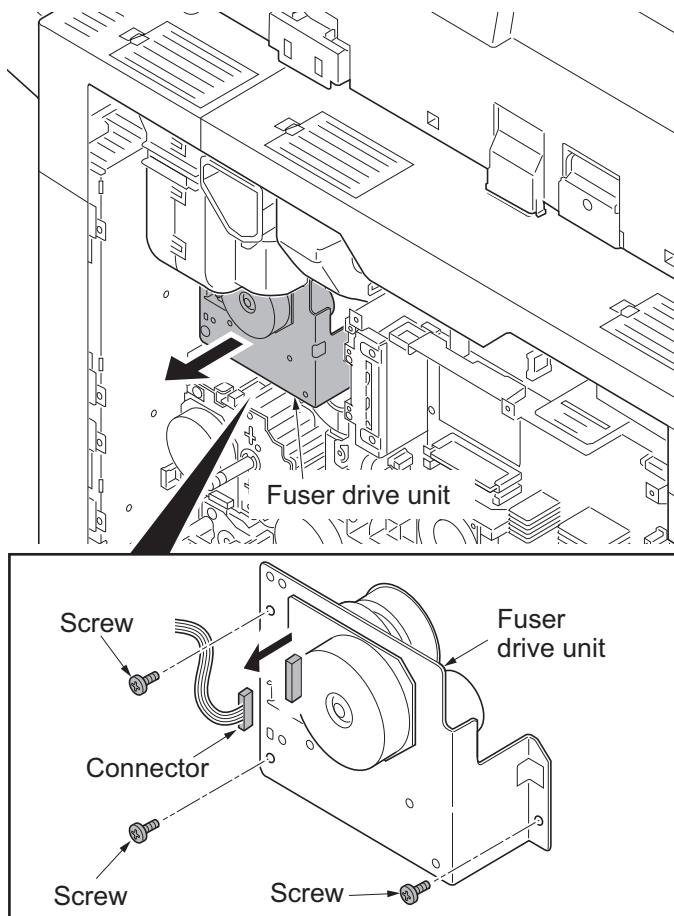


Figure 1-5-128

Detaching the feed drive unit

- 11. Remove three wire holders from the feed 2 FFC guide.

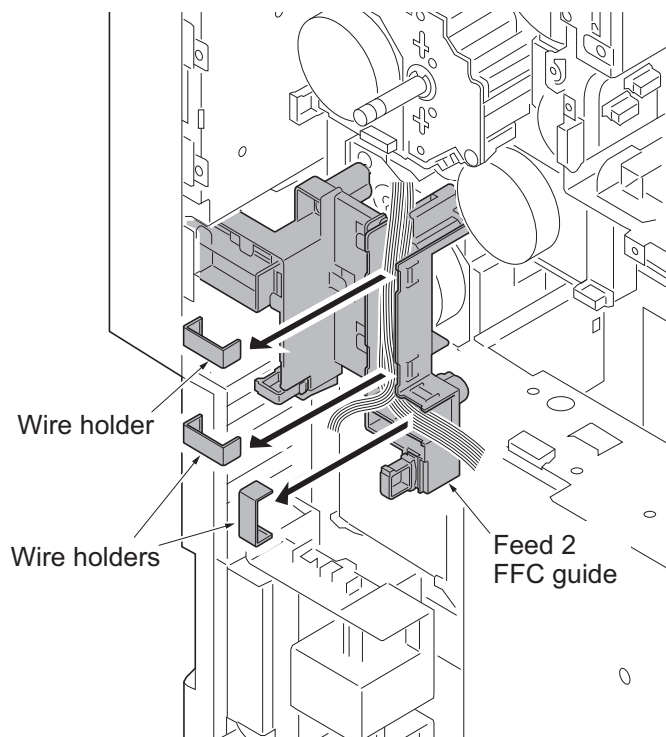


Figure 1-5-129

12. Remove two screws and then remove the feed 2 FFC guide.

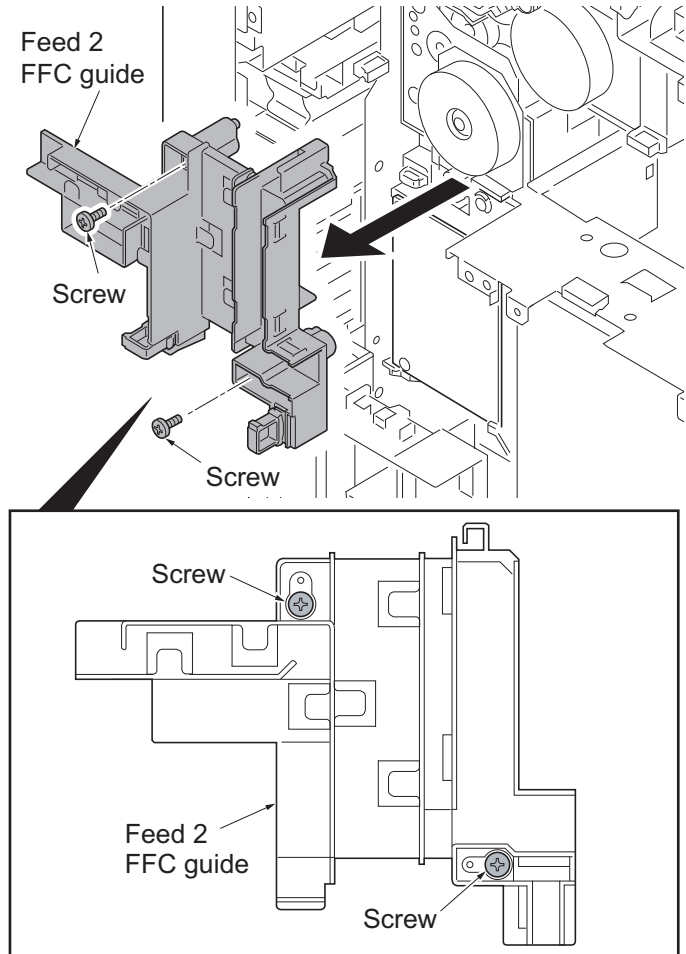


Figure 1-5-130

13. Remove the following five connectors from the feed PWB 2.
 YC7
 YC8
 YC3
 YC5
 YC6

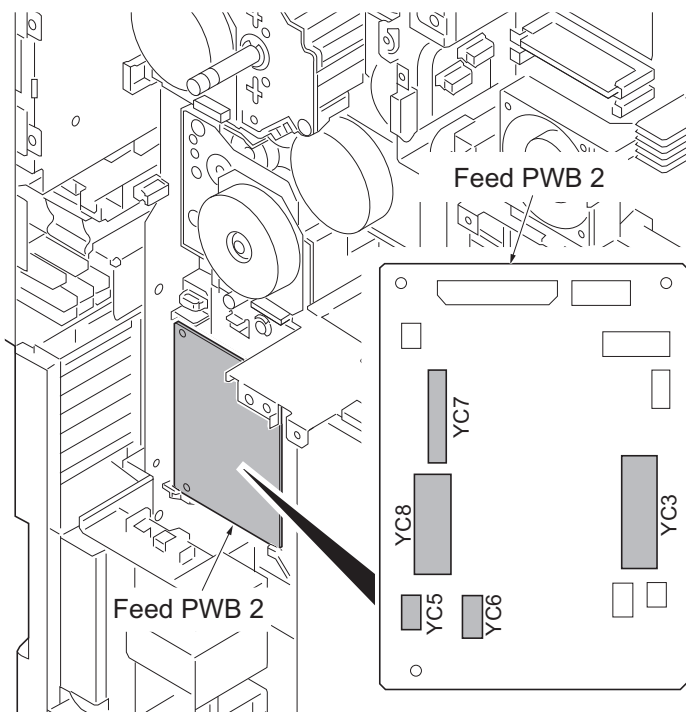


Figure 1-5-131

- 14. Remove three screws.
- 15. Remove the feed drive unit.

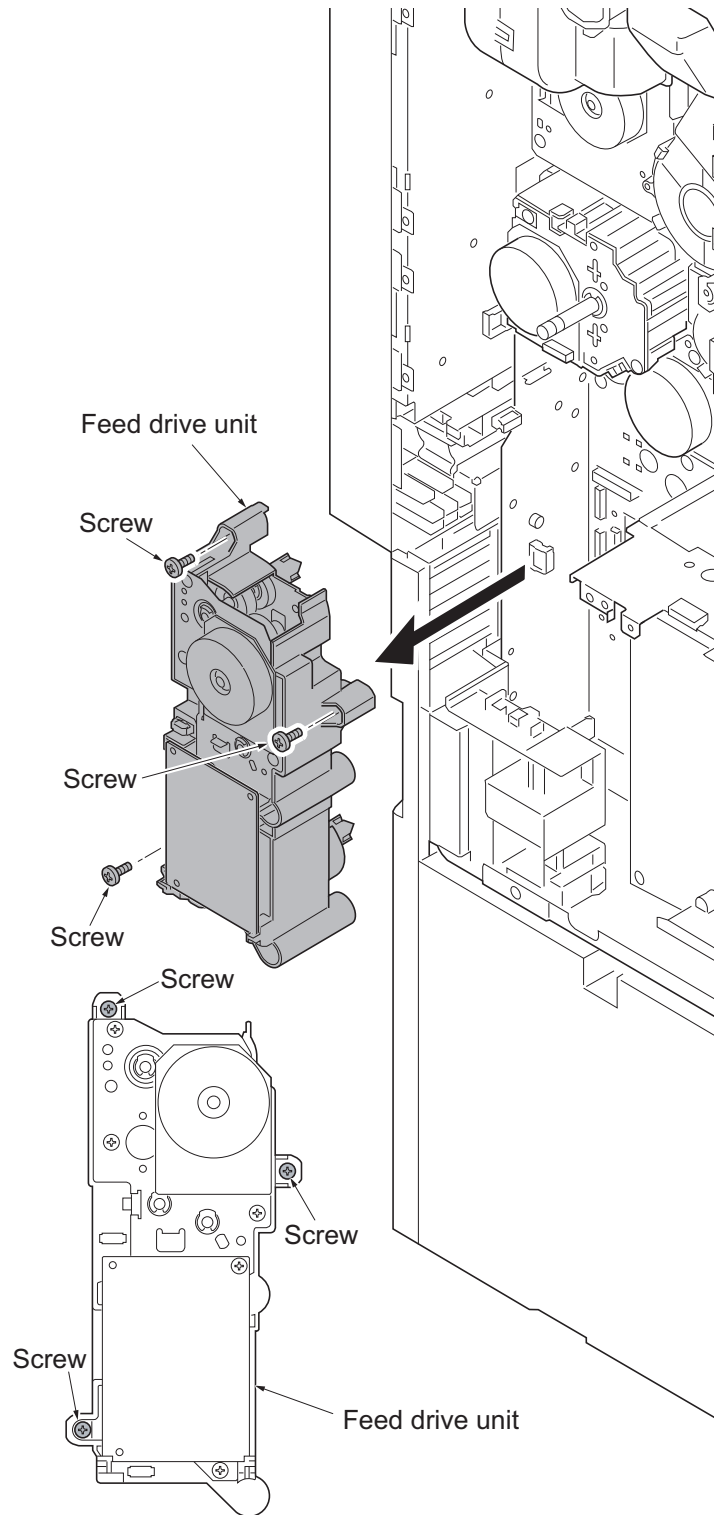


Figure 1-5-132

16. Check or replace the feed drive unit and refit all the removed parts.

*: Connect the connector (yellow) to the connector of paper feed clutch 1 on stamp [YELLOW] side as before, when removing the connector of the paper feed clutch as the check of the feed drive unit etc.

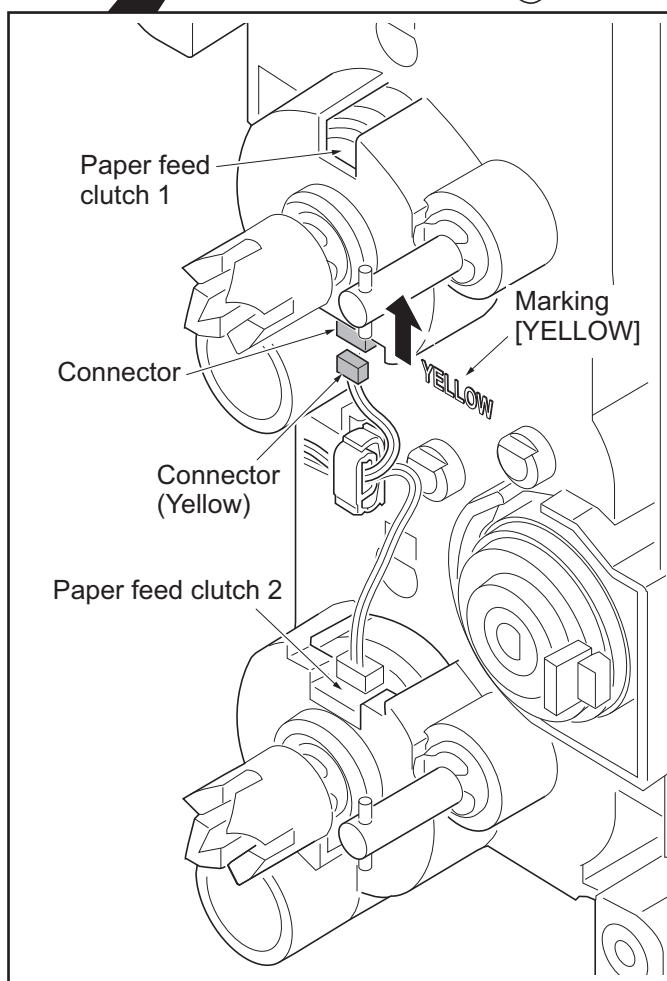
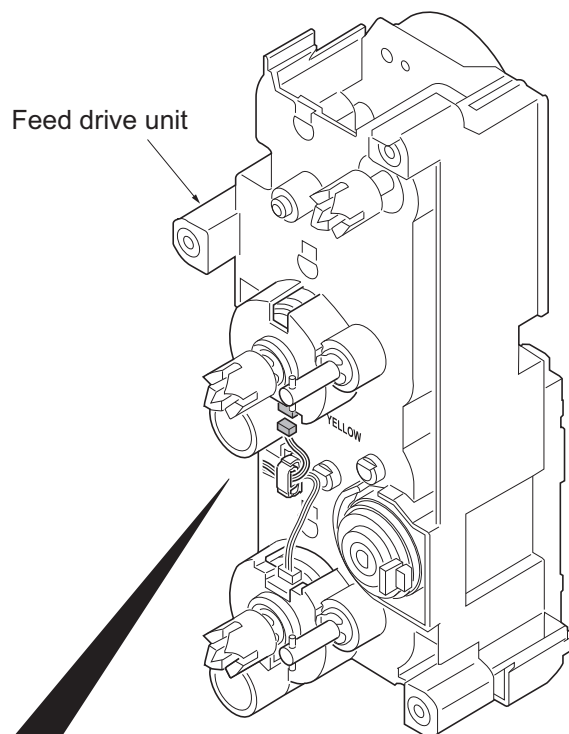


Figure 1-5-133

(5) Detaching and refitting the PF drive unit

Procedure

1. Remove the PF rear cover (see page 1-5-71).
2. Remove the connector of AC wire from the paper feeder.

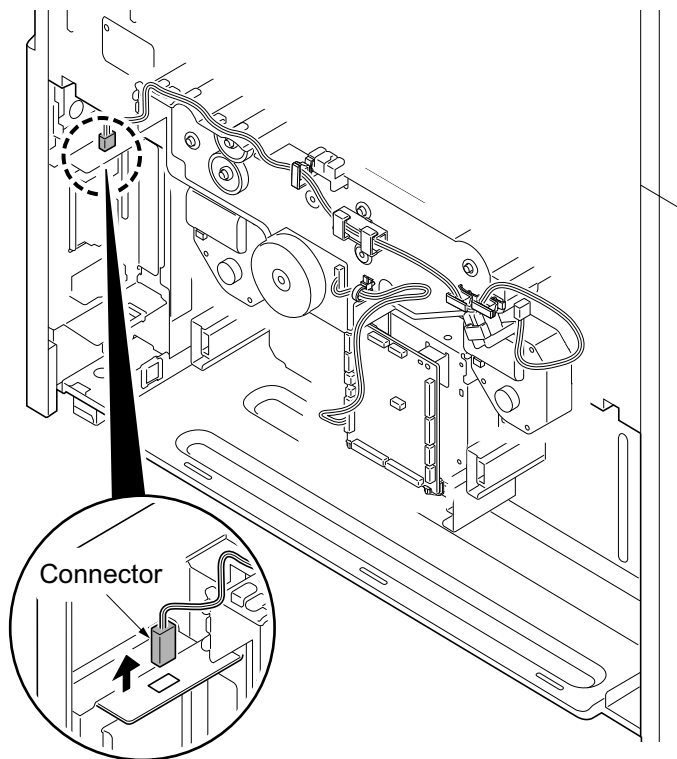


Figure 1-5-134

3. Remove three wire holders.
4. Release three wire saddles and then remove the wire.

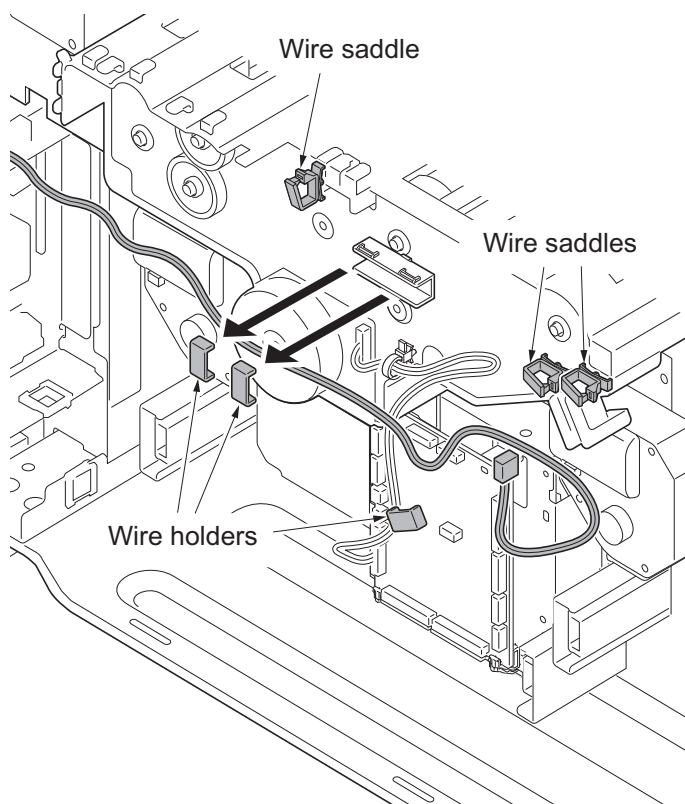


Figure 1-5-135

5. Remove the connector and the band of PF paper feed motor.
6. Remove the connector (YC15) from the PF main PWB and then release the wire from two wire saddles.

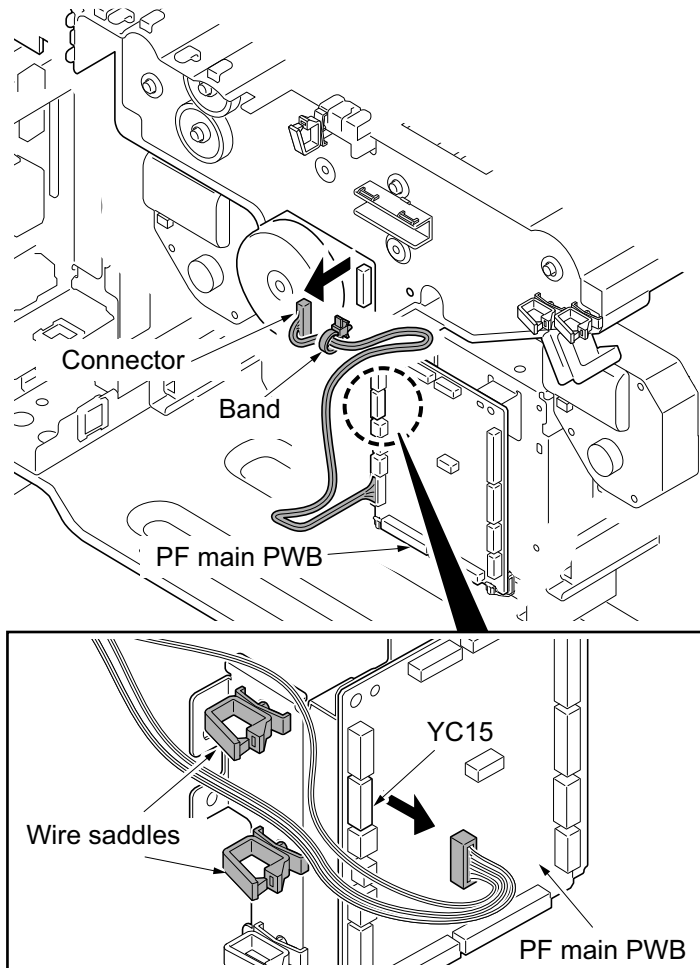


Figure 1-5-136

7. Remove four screws and then remove the PF drive unit.
8. Check or replace the PF drive unit and refit all the removed parts.

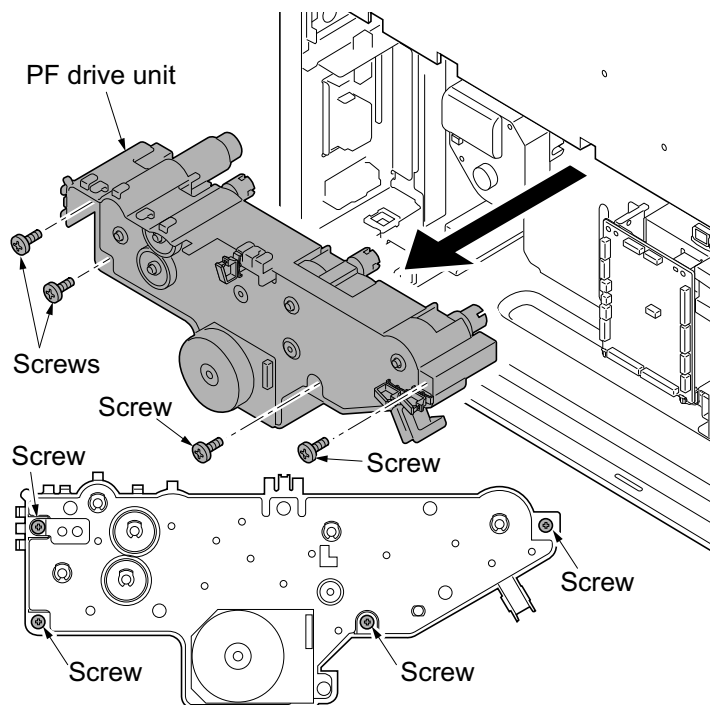


Figure 1-5-137

(6) Detaching and refitting the lift motor 1 and 2

Procedure

1. Remove the rear lower cover (see page 1-5-66).
2. Remove the power source assembly (see page 1-5-59).
3. Remove the connector each.
4. Remove two screws each and then remove the lift motor 1 and 2.
5. Check or replace the lift motor and refit all the removed parts.

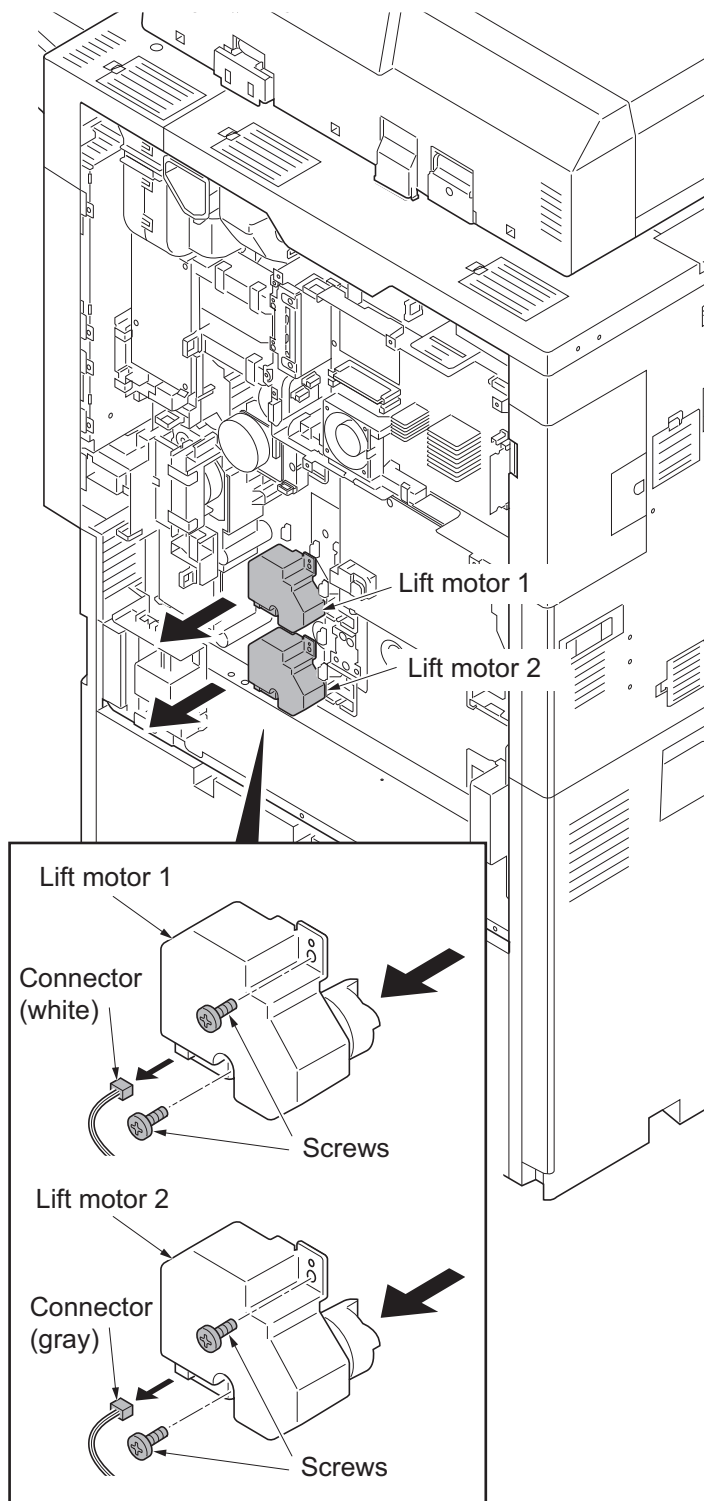


Figure 1-5-138

(7) Detaching and refitting the PF lift motor 1 and 2

Procedure

1. Remove the PF rear cover (see page 1-5-71).
2. Remove the connector each.
3. Remove three screws each and then remove the PF lift motor 1 and 2.
4. Check or replace the PF lift motor and refit all the removed parts.

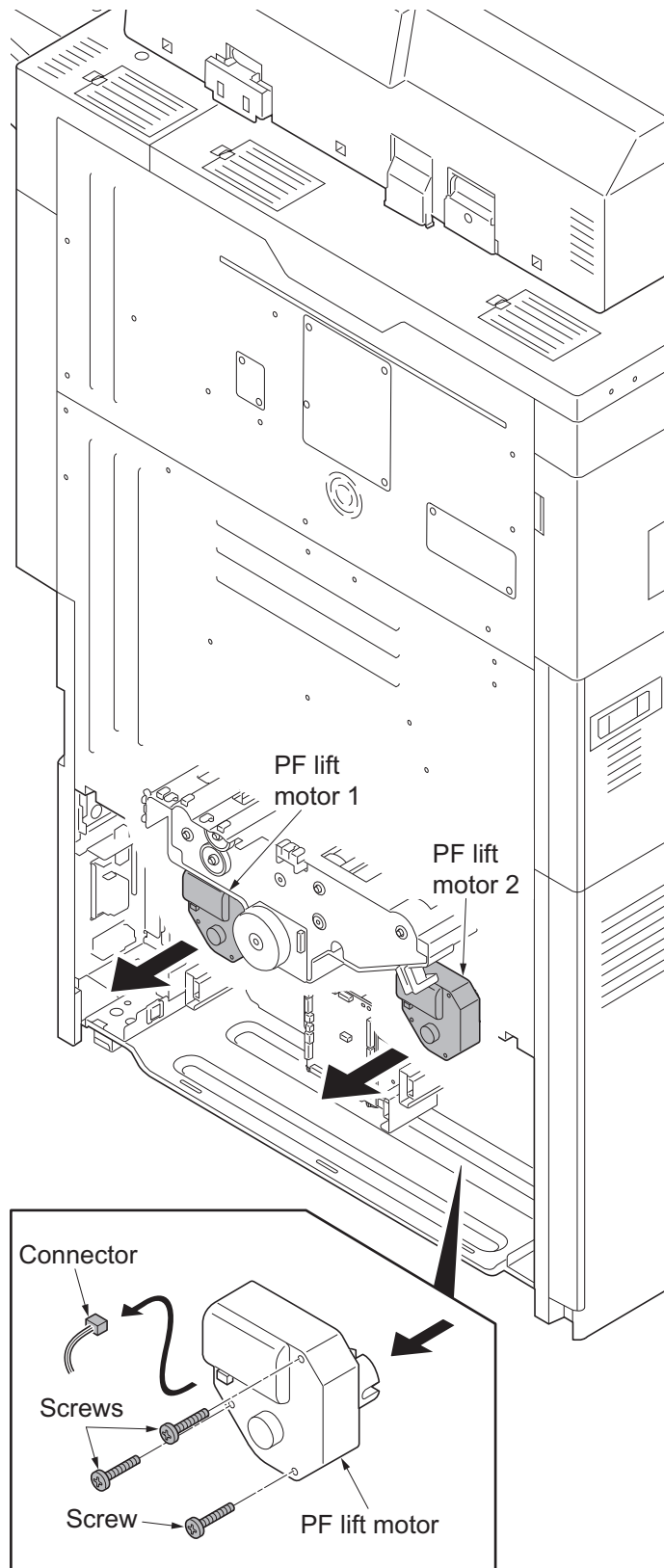


Figure 1-5-139

1-5-9 DP

(1) Detaching and refitting the DP original feed belt and DP forwarding pulley

Procedure

1. Open the DP top cover.
2. Remove two screws from the DP original feed guide.

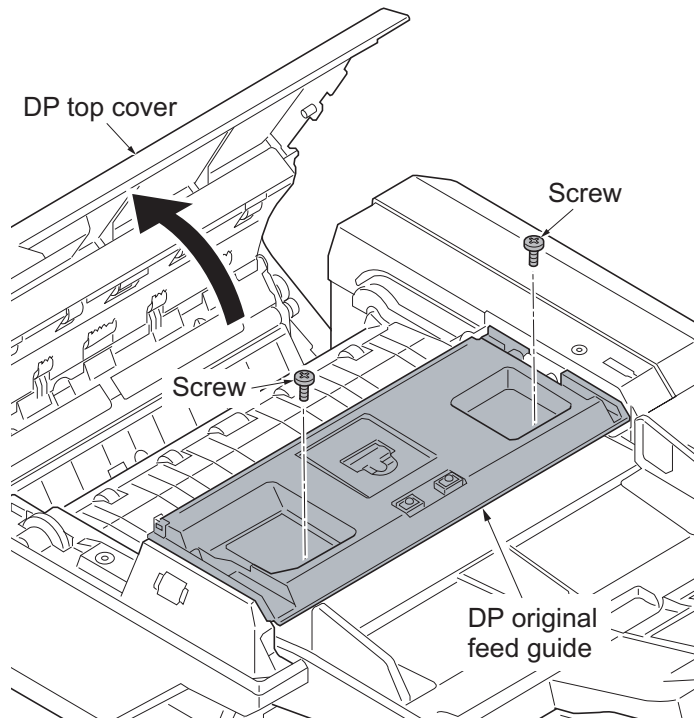


Figure 1-5-140

3. Turns upward and then remove the DP original feed guide.

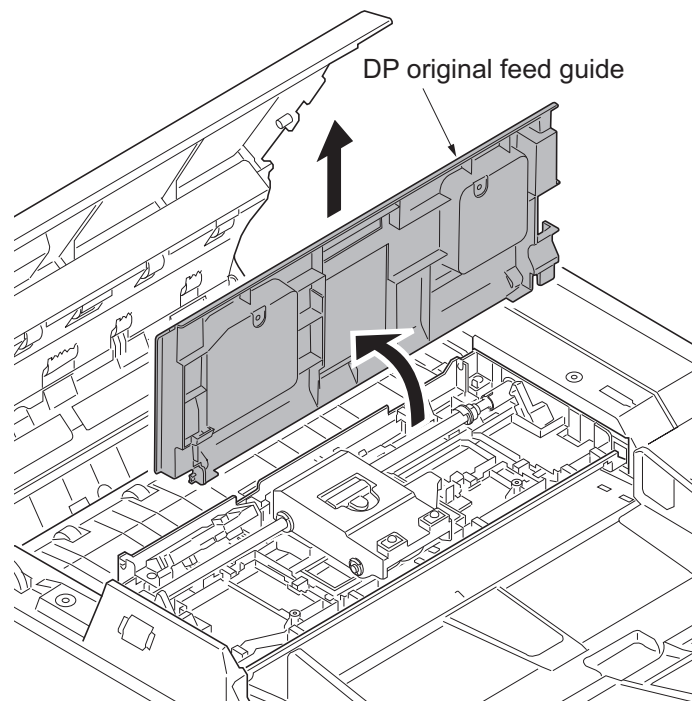


Figure 1-5-141

4. Turns the DP original feed unit upward.

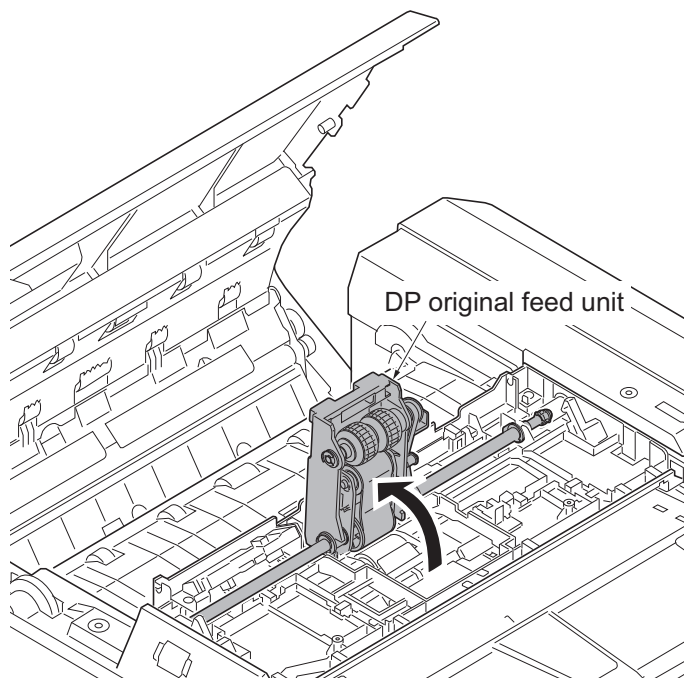


Figure 1-5-142

5. Remove the stop ring from front side of the DP original feed belt shaft A.
6. Pull forwards and then remove the DP original feed unit from the DP.

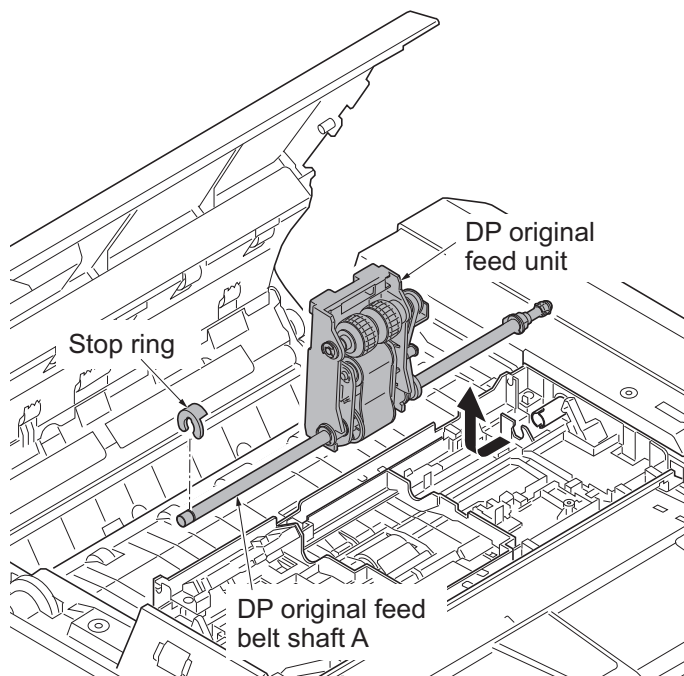


Figure 1-5-143

7. Remove the stop ring from the DP original feed belt shaft A.
8. Remove the stop ring and pulley from the DP original feed unit.
9. Slide the DP feed holder and then remove the DP original feed belt unit from the DP original feed unit.

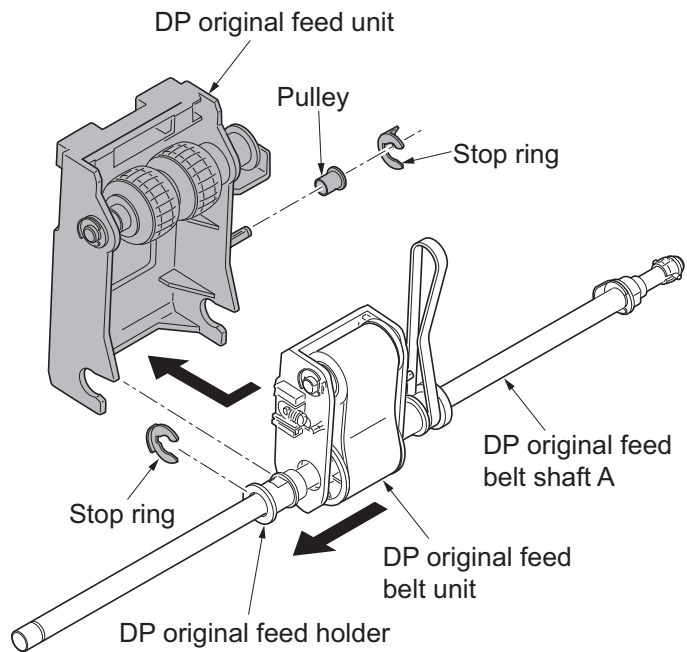


Figure 1-5-144

10. Remove the DP original feed holder A from the DP original feed belt shaft A.
11. Pull out the DP original feed belt shaft A from the DP original feed belt unit and then remove the DP original feed collar A.

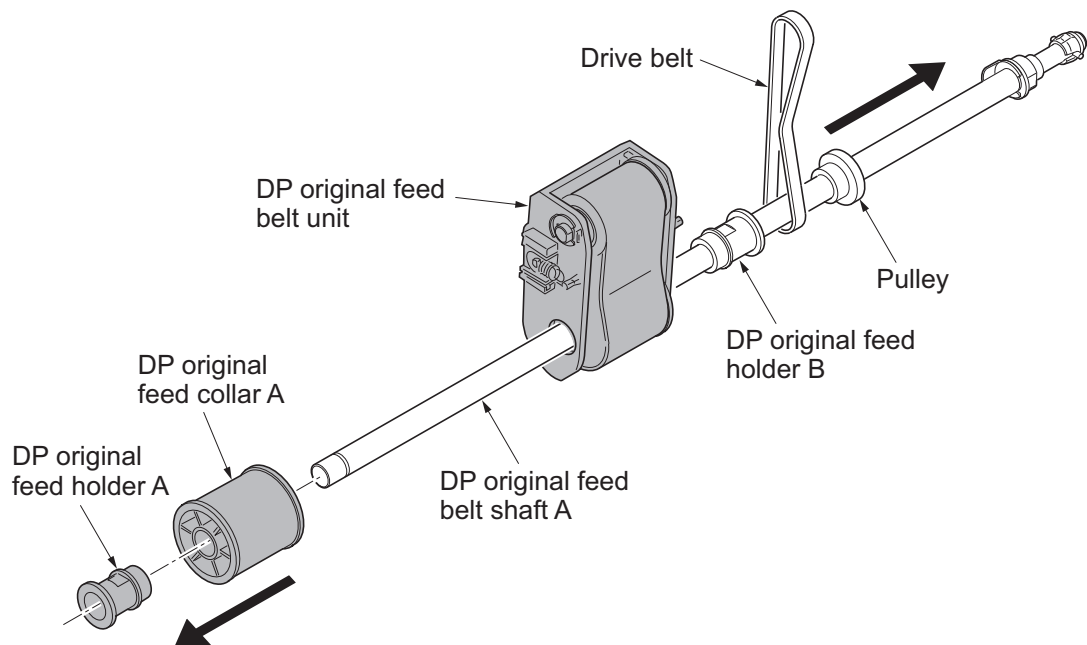


Figure 1-5-145

12. Remove the stop ring from the DP original feed belt shaft B.
13. Pull out the DP original feed belt shaft B from the DP original feed belt unit.
14. Remove the DP feed collar B and DP original feed belt from the DP original feed belt shaft B.

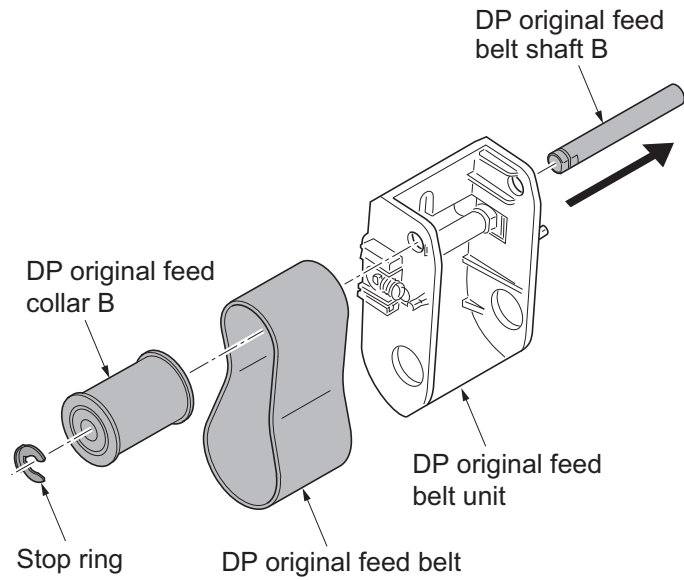


Figure 1-5-146

15. Remove the stop ring from the DP forwarding pulley shaft.
16. Pull out the DP forwarding pulley shaft from the DP original feed unit and then remove the DP forwarding pulley.
17. Check or replace the DP original feed belt and DP forwarding pulley and refit all the removed parts.

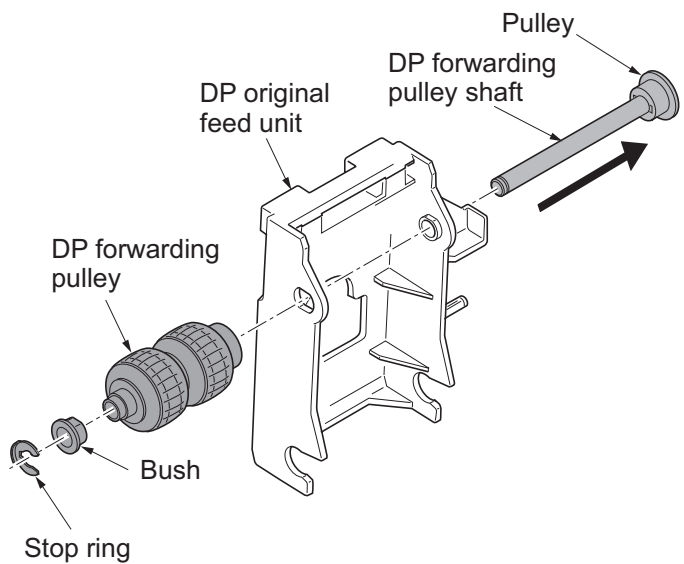


Figure 1-5-147

(2) Detaching and refitting the DP separation pulley

Procedure

1. Open the DP top cover.
2. Remove the DP original feed guide and DP original feed unit. (See page 1-5-86)
3. Unhook the hook and then remove the DP separation pulley cover.

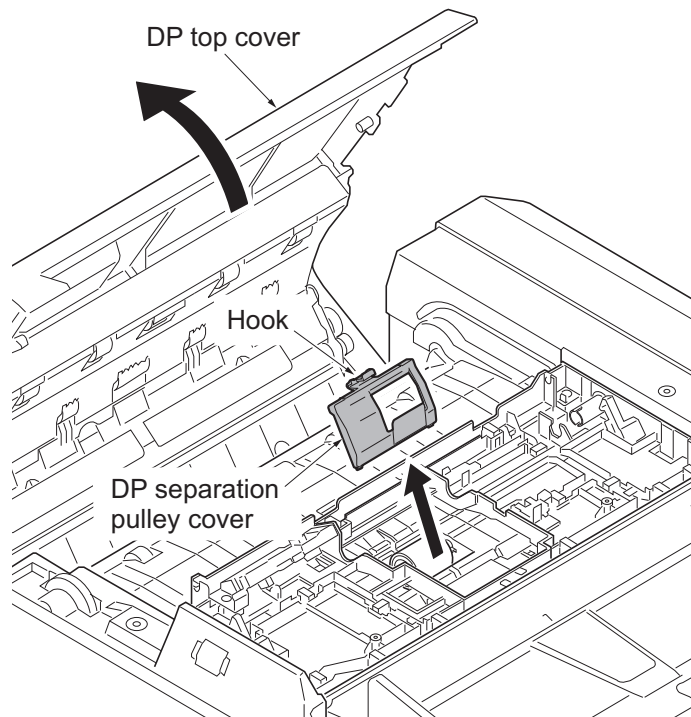


Figure 1-5-148

4. Remove the stop ring and then remove the DP separation pulley and torque limiter.
5. Check or replace the DP separation pulley and refit all the removed parts.

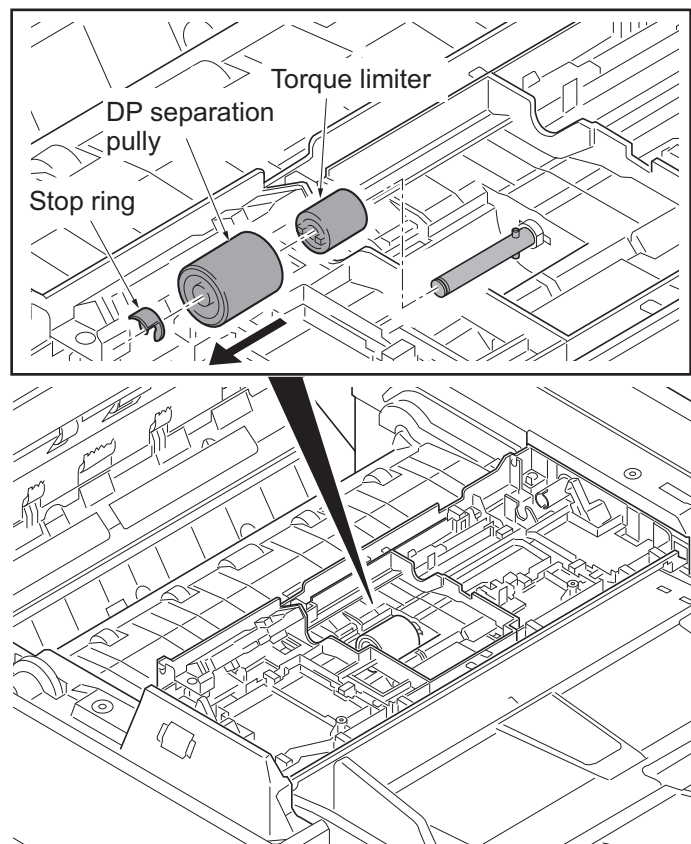


Figure 1-5-149

(3) Detaching and refitting the CIS

Procedure

1. Open the DP top cover.
2. Remove four screws from the upper side and reverse side of DP.
3. Pull forwards and then remove the DP front left cover and DP front cover.

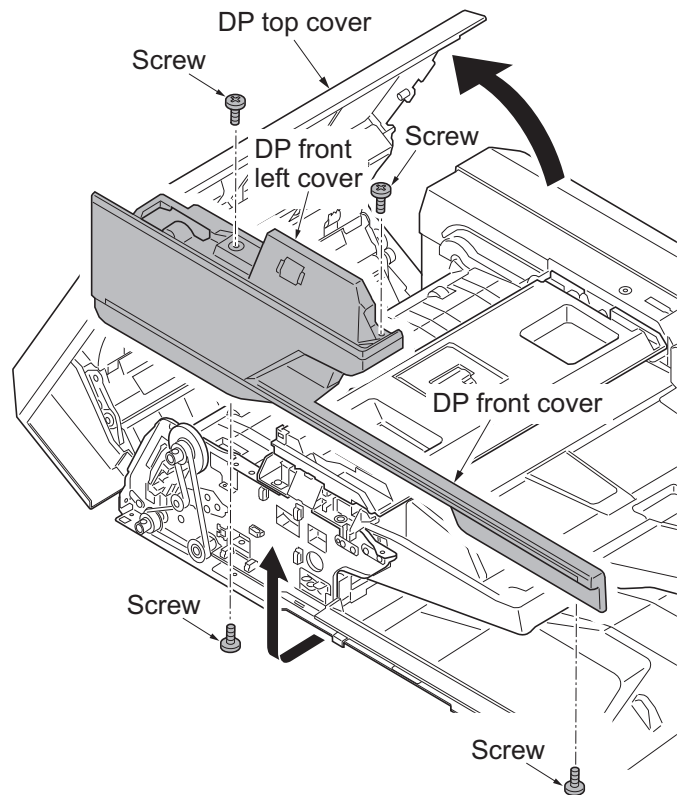


Figure 1-5-150

4. Remove the strap from the DP top cover.
5. Remove four screws and then remove the DP rear cover.

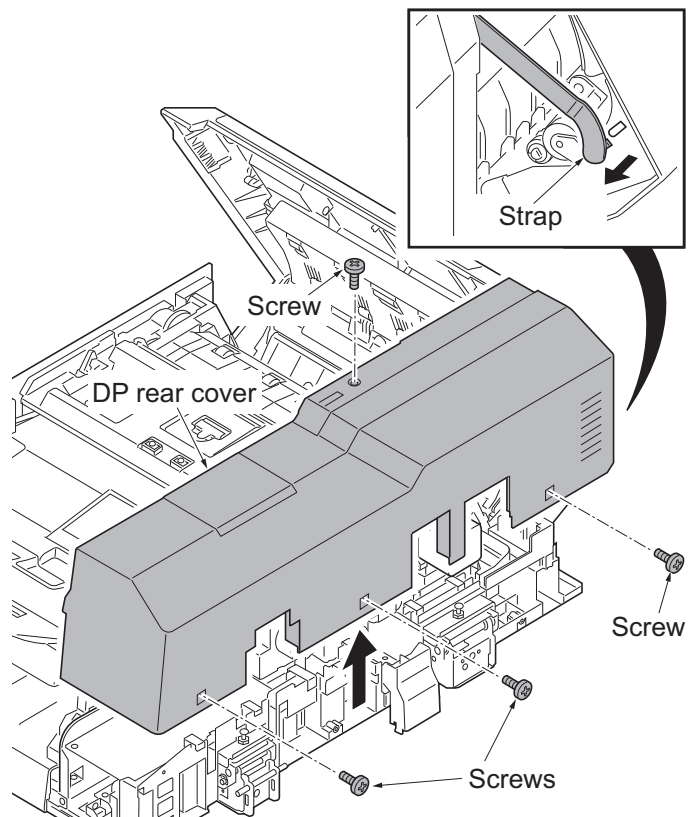


Figure 1-5-151

6. Remove two screws from the rear side of machine and then remove the CIS unit upwards.

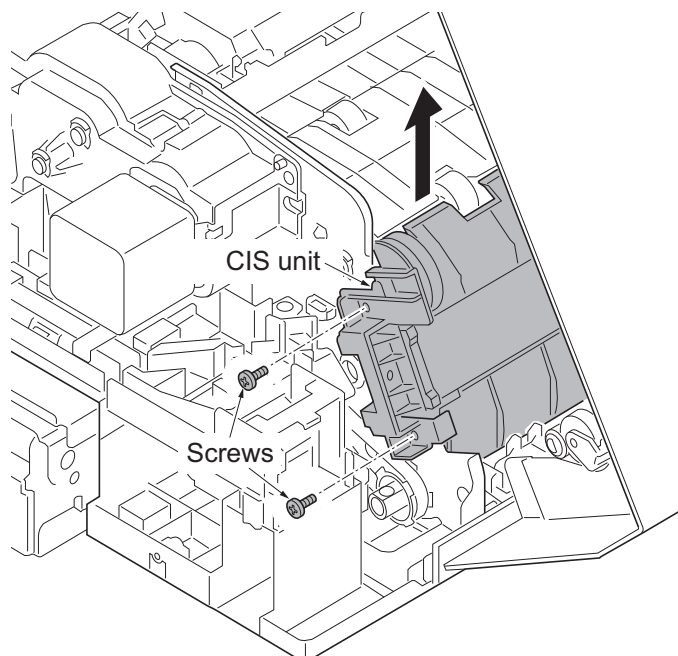


Figure 1-5-152

7. Remove three connectors from the CIS PWB.

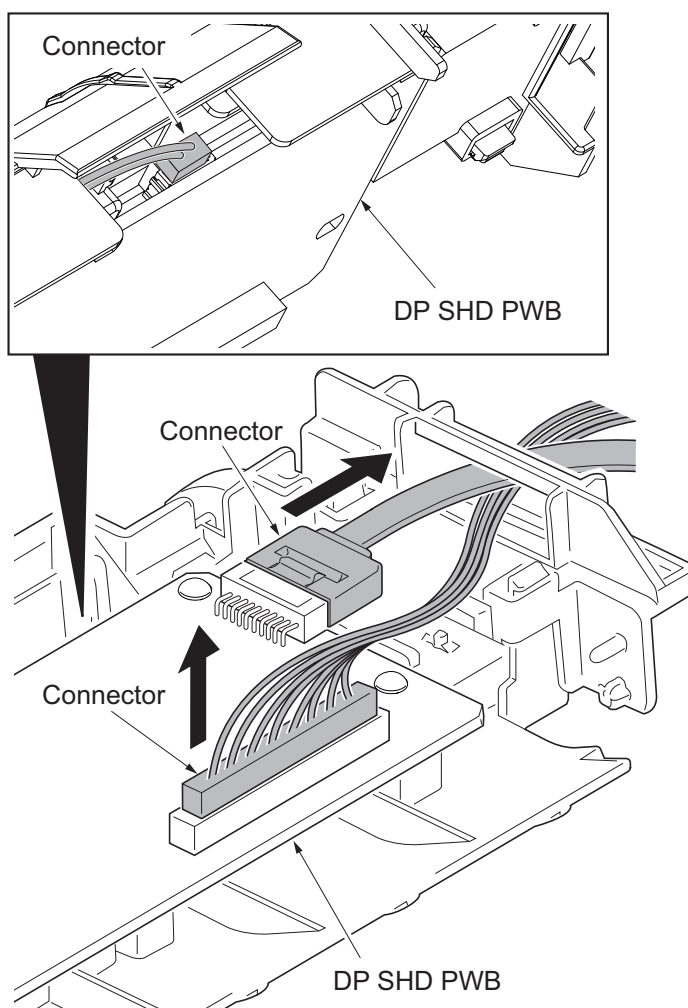


Figure 1-5-153

8. Remove the CIS front holder and CIS rear holder and then remove the CIS upwards.

*: Keep the CIS sensor away from dusts and smears as it is exposed to the air when the CIS slit glass has been removed.

*: The sensor action will be deteriorated if dusts and smears are adhered to it.

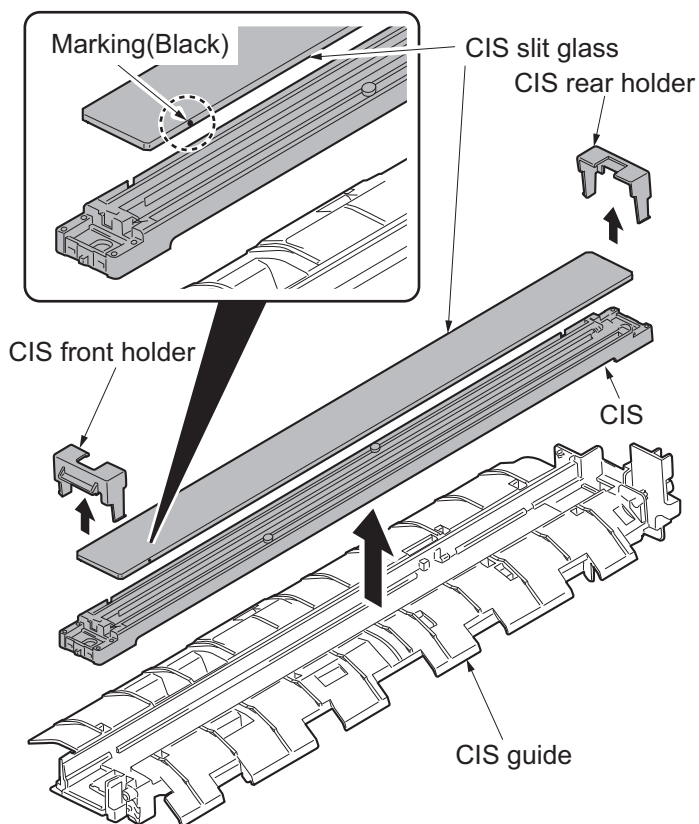


Figure 1-5-154

9. Remove six pins by using a flat screwdriver and then remove the DP SHD PWB.

10. Replace the CIS and refit all the removed parts.

*: Observe the front and back side of the CIS slit glass when the glass is replaced.

*: Note the marking in the figure. The sensor action will be deteriorated if the slit glass is mounted upside down.

11. When the CIS is replaced with a new one, carry out the following procedure.
 12. Clean the CIS roller and contact glass (CIS).
 13. Perform maintenance mode U091 (setting the white line correction) (see page 1-3-62).

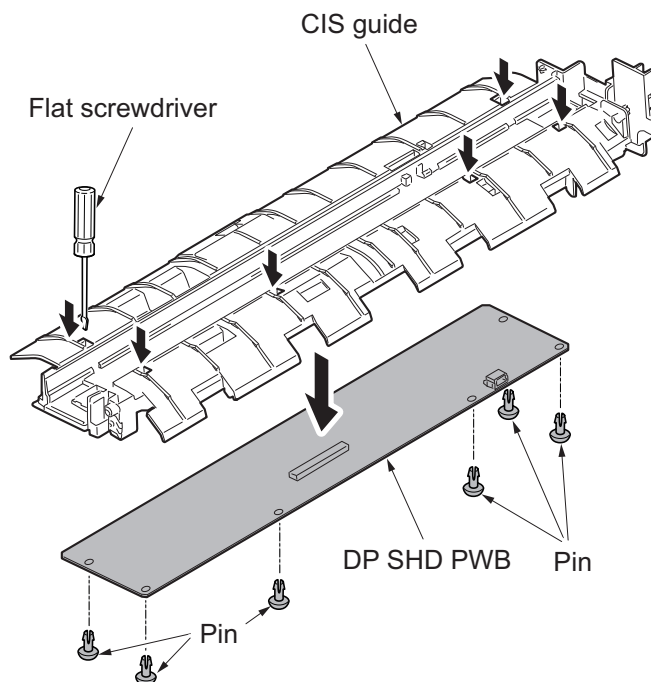


Figure 1-5-155

14. Make a test copy of a gray document.
 If problems such as white lines appear on the test copy, repeat the procedure from steps 15 and 16 onwards until the white lines no longer appear.
 15. Perform maintenance mode U411 (Adjusting the scanner automatically) (see page 1-3-139).

(4) Adjusting the angle of leading edge

Perform the following adjustment if the leading edge of the copy image is laterally skewed.

Procedure

1. Place an original on the DP and press the start key to make a test copy.
2. If the gap of leading edge exceeds the reference value, perform the following adjustment.

Reference value

For simplex copying: Within ± 3.0 mm

For duplex copying: Within ± 4.0 mm

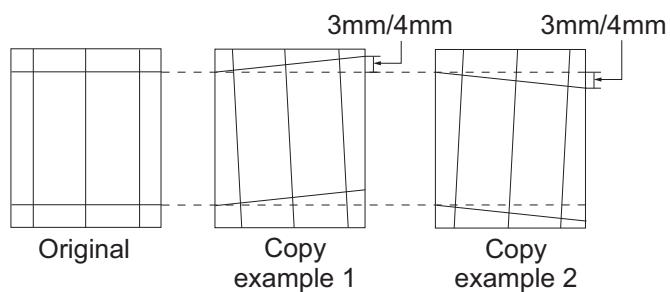


Figure 1-5-156

3. Loosen two screws of right and left fixing fittings.

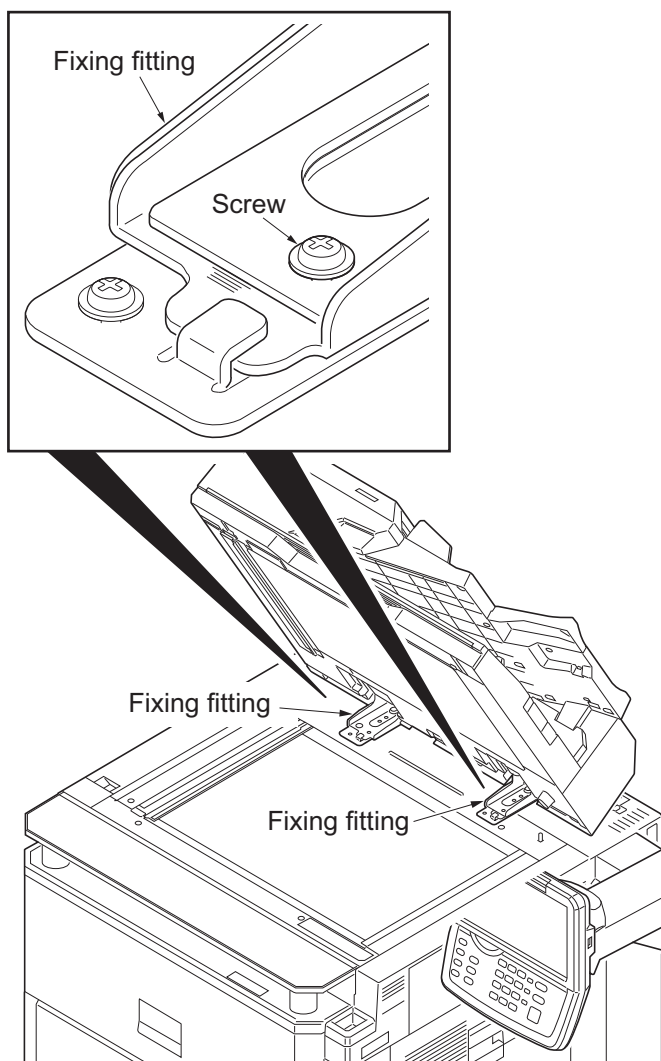


Figure 1-5-157

4. Remove the right hinge cover.
5. Turn adjusting screw at the rear side of the right hinge to adjust the DP position.
For copy example 1:
Turn the adjusting screw counterclockwise and move the DP to the inner side.
For copy example 2:
Turn the adjusting screw clockwise and move the DP to the front side.
Amount of change per scale: Approx. 1 mm
6. Make a test copy.
7. Repeat the steps above until the gap of the leading edge falls within the reference values.
8. After adjustment is completed, retighten two screws that have been loosened in step 3.

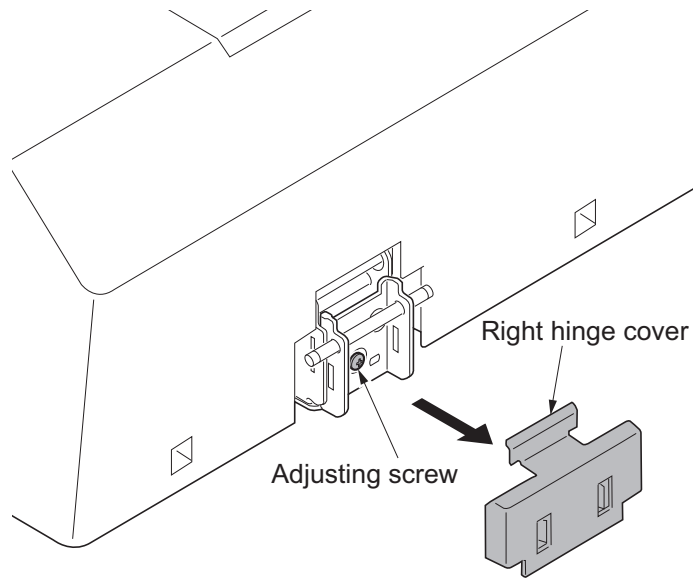


Figure 1-5-158

9. Remove the original mat.
10. Place original mat with its Velcro upward over the contact glass.
Align original mat corner that has 90 degrees of angle with the inner left corner of the original instruction panel.
11. Close DP and attach original mat onto it with Velcros.

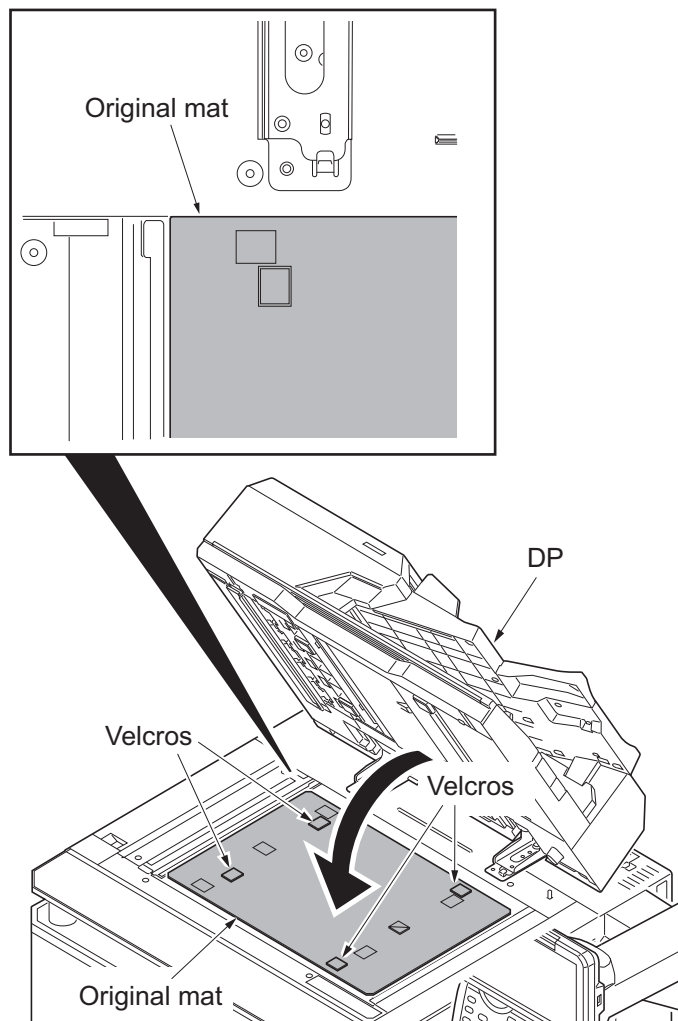


Figure 1-5-159

(5) Adjusting the angle of trailing edge

Perform the following adjustment if the trailing edge of the copy image is laterally skewed.

Procedure

1. Place an original on the DP and press the start key to make a test copy.
2. If the gap of trailing edge exceeds the reference value, perform the following adjustment.

Reference value

For simplex copying: Within ± 3.0 mm

For duplex copying: Within ± 4.0 mm

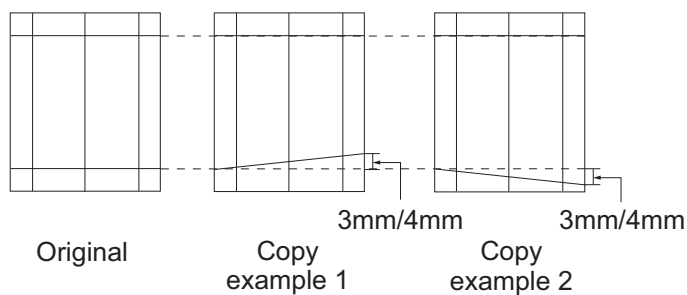


Figure 1-5-160

3. Open the DP top cover.
4. Remove the right hinge cover.
5. Remove the screw and then remove the left hinge cover

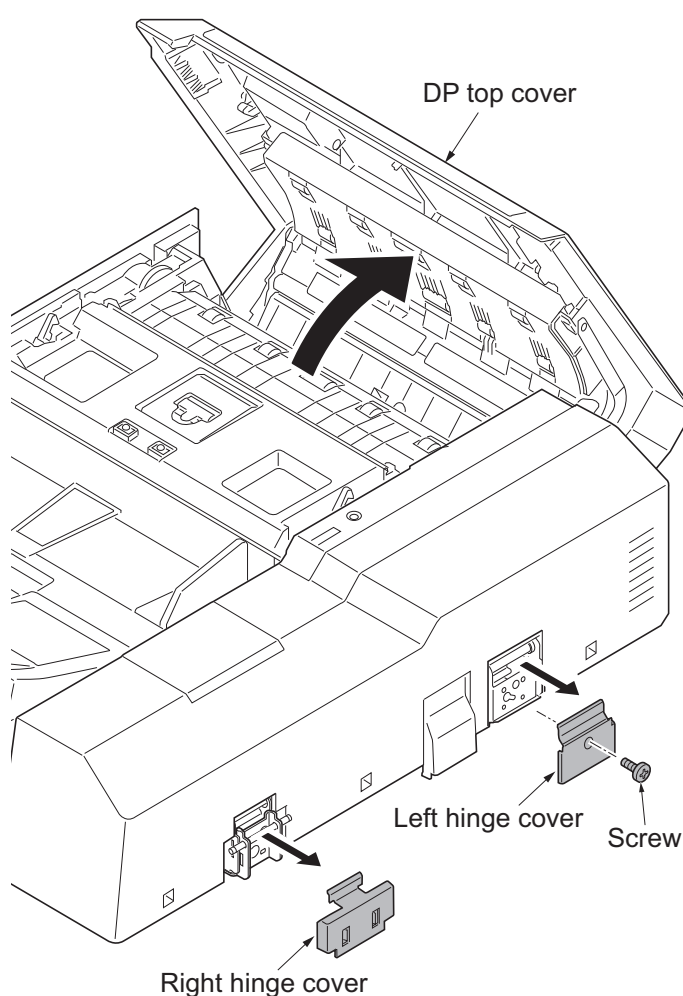


Figure 1-5-161

6. Remove the strap from the DP top cover.
7. Remove four screws and then remove the DP rear cover.

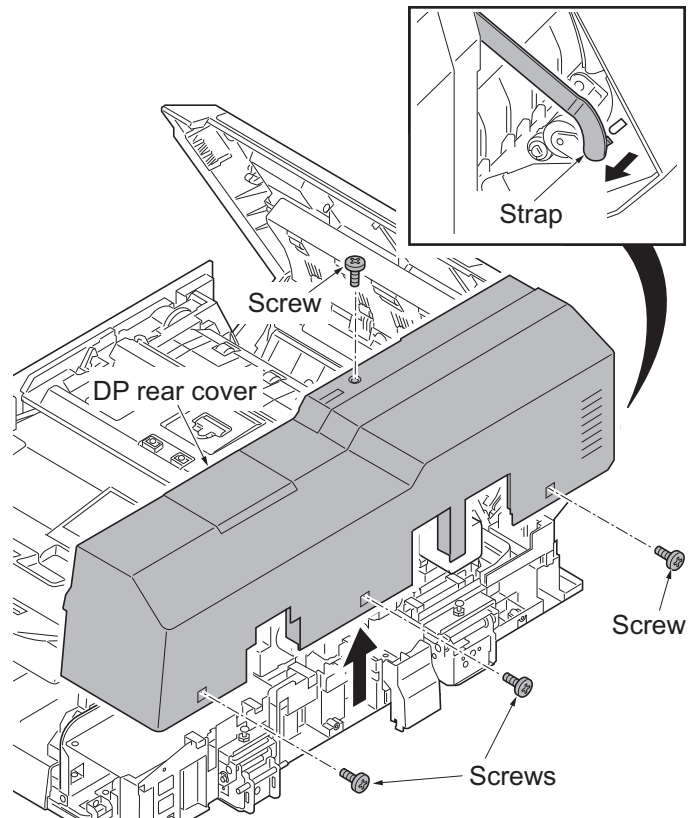


Figure 1-5-162

8. Adjust the height of DP.
 - Loosen the nut.
 - For copy example 1: Loosen the adjusting screw.
 - For copy example 2: Tighten the adjusting screw.
 - Amount of change per scale: Approx. 0.5 mm
 - Retighten the nut.
9. Refit the DP rear cover.
10. Refit the right hinge cover and left hinge cover.

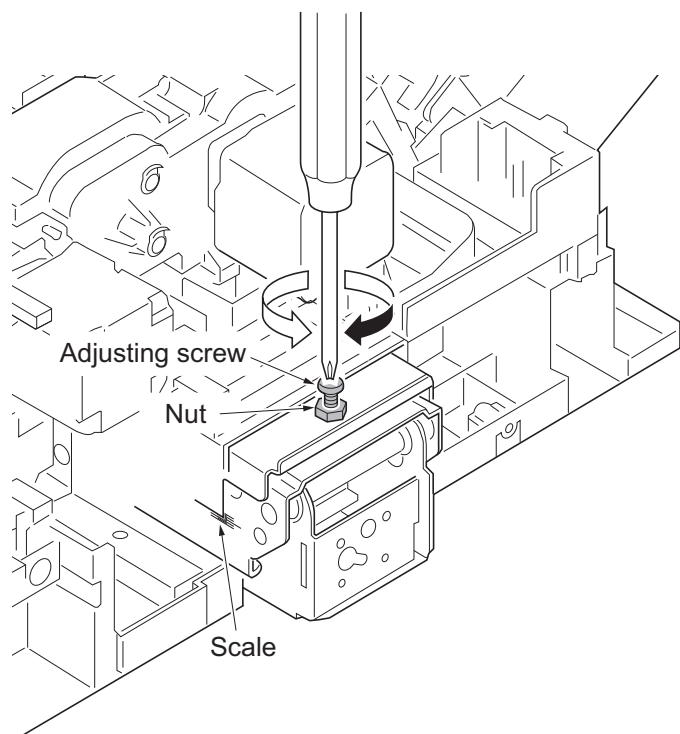


Figure 1-5-163

11. Open the DP.
12. Remove the original mat.
13. Place original mat with its Velcro upward over the contact glass.
Align original mat corner that has 90 degrees of angle with the inner left corner of the original instruction panel.
14. Close DP and attach original mat onto it with Velcros.

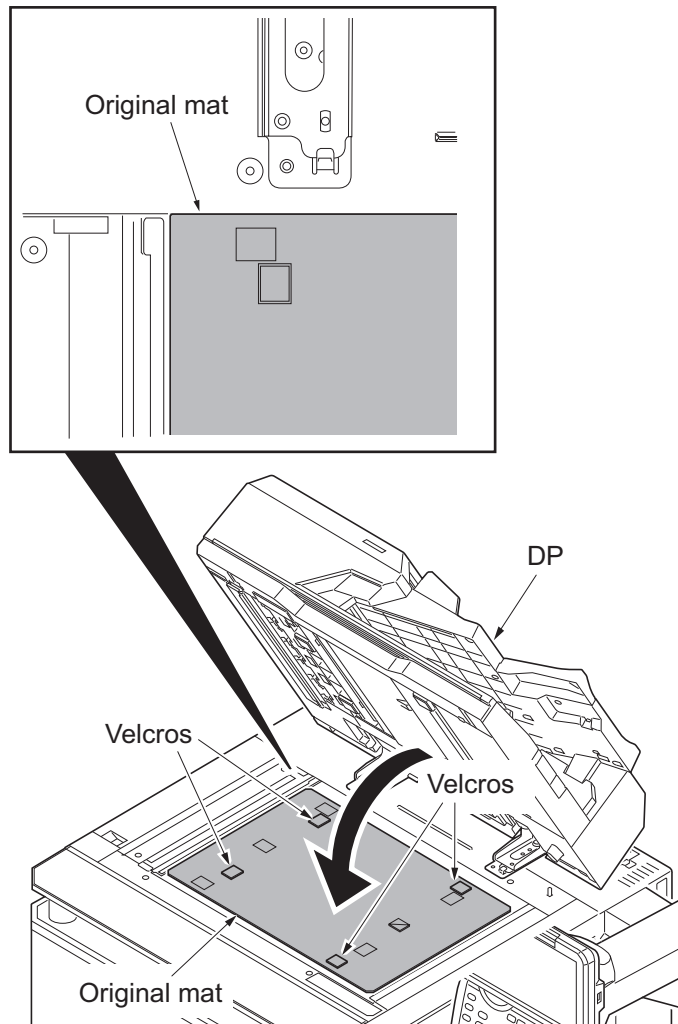


Figure 1-5-164

15. Make a test copy again.
16. Repeat steps 1 to 13 above until the gap of the trailing edge falls within the reference values.

(6) Adjusting the hinge

Perform this adjustment when the DP trails down when it is open.

Procedure

1. Open the DP.
2. Rotate the adjusting screws at the front of the left hinge using a flat screwdriver so that the DP won't trail down.
3. Close the document processor when adjustment was done.

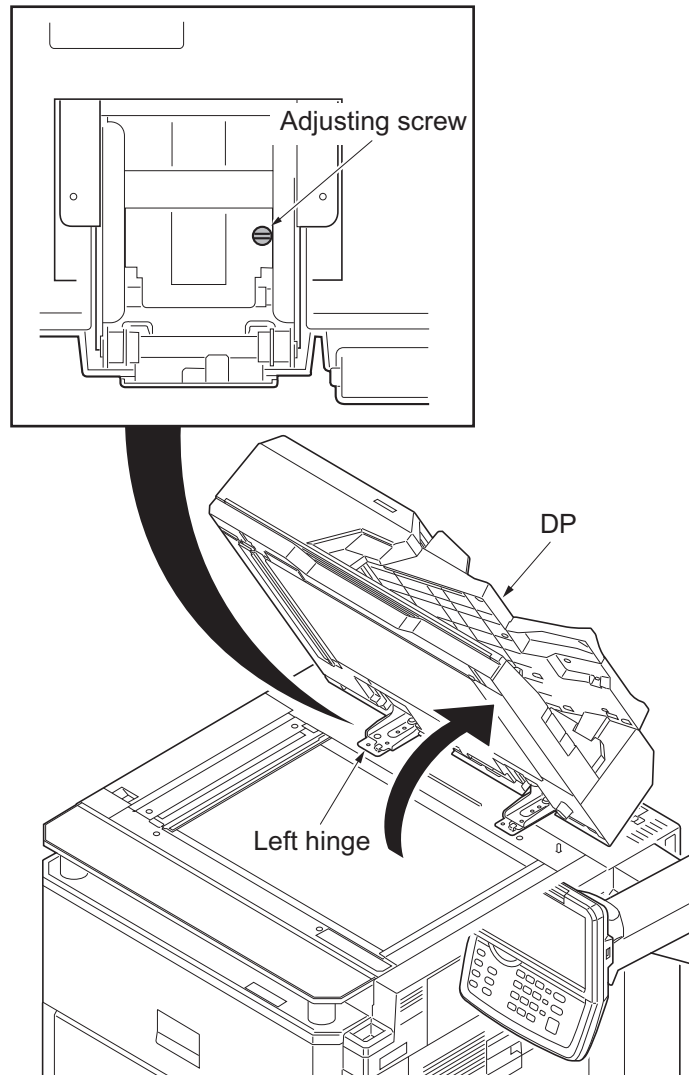


Figure 1-5-165

1-5-10 Others

(1) Detaching the eject filters

Procedure

1. Unhook the hook each and remove three eject filter units.
2. Remove the eject filter from the eject cover.
3. Clean or replace the eject filter and refit the filter.

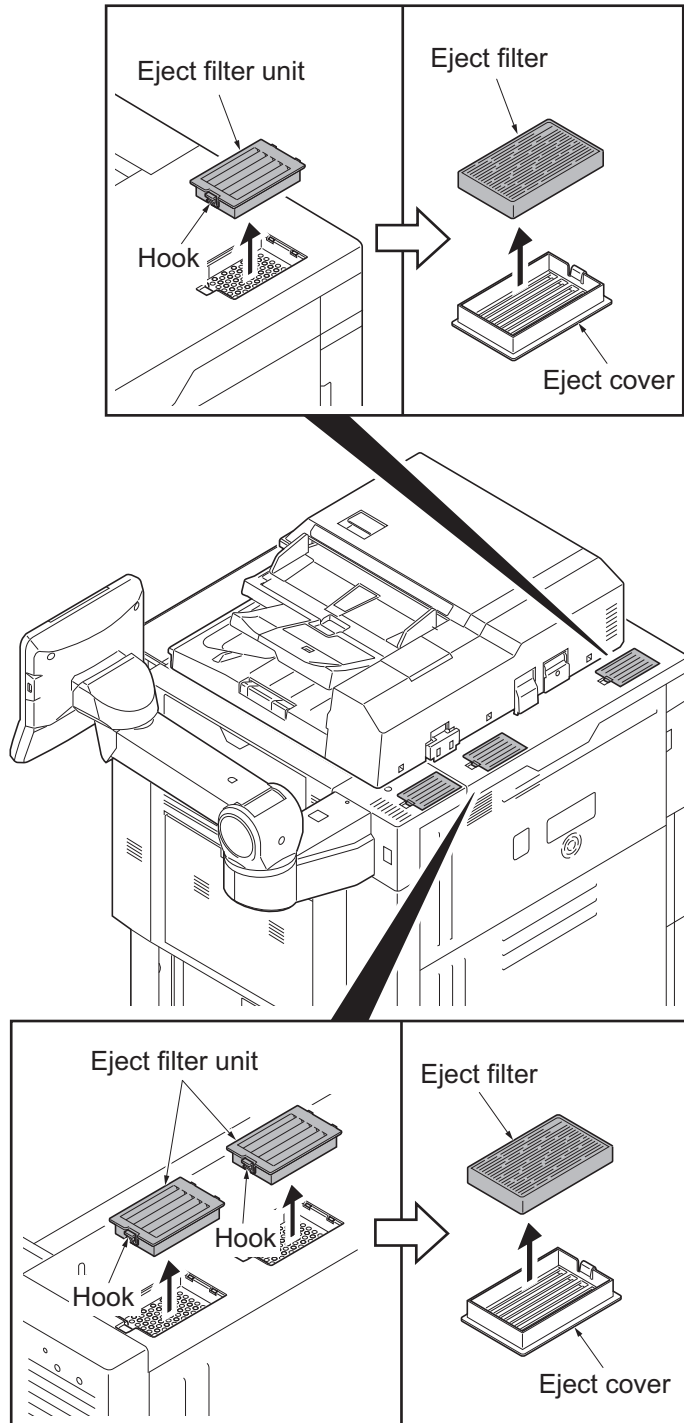


Figure 1-5-166

(2) Detaching and refitting the toner filter

Procedure

1. Remove the toner filter unit while gripping the levers.
2. Clean or replace the toner filter unit and refit the filter.

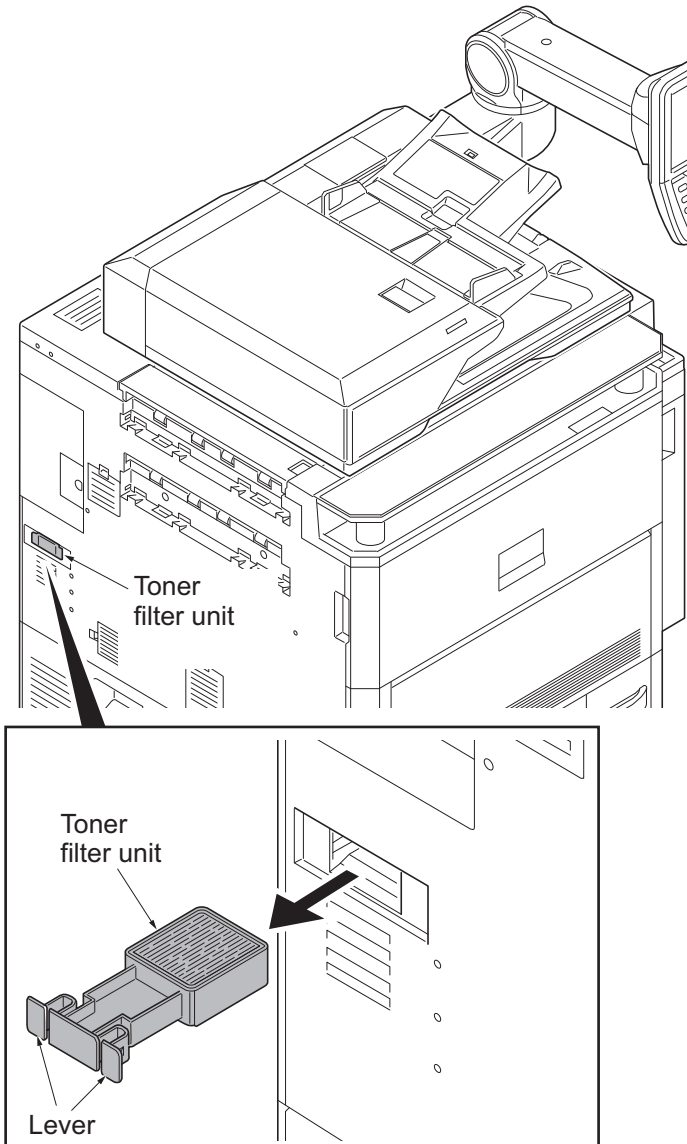


Figure 1-5-167

(3) Detaching and refitting the left filters

Procedure

1. Remove two left filter covers by releasing the lever.
2. Remove left filter.
3. Clean or replace the left filter and refit the filter.

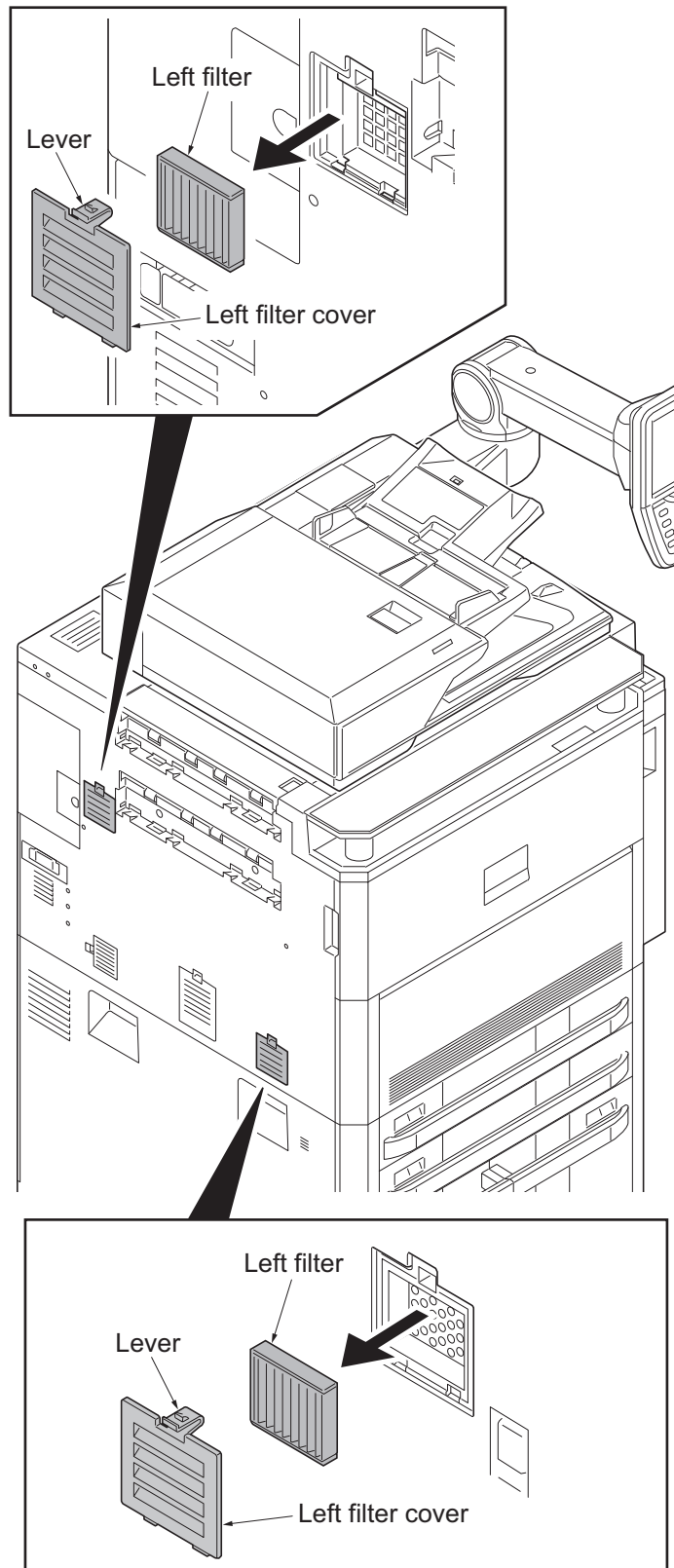


Figure 1-5-168

(4) Detaching and refitting the drum filter and developer filter

Procedure

1. Open the front middle cover (see page 1-5-36).
2. Remove the drum filter and developer filter by releasing the lever.
3. Clean the drum filter and developer filter and refit the filter.

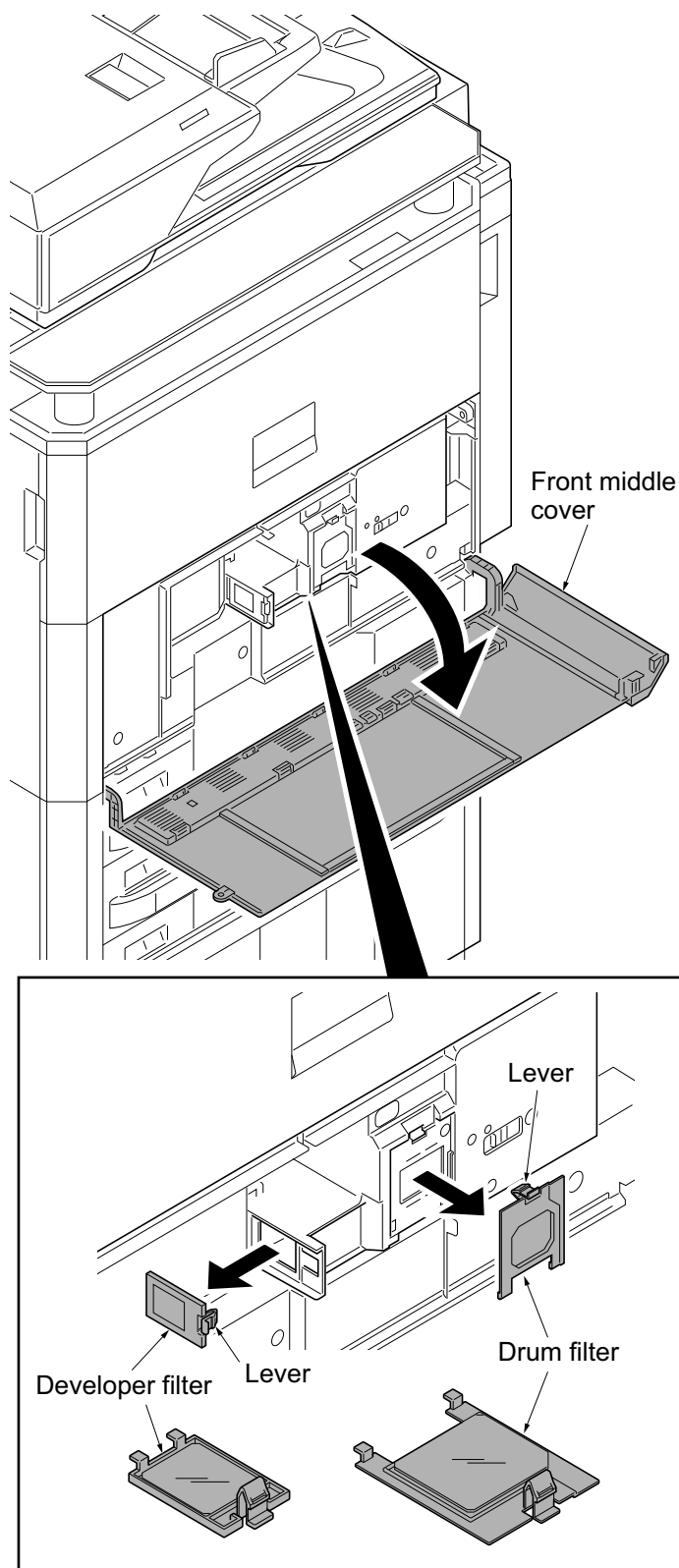


Figure 1-5-169

(5) Detaching and refitting the belt filter

Procedure

1. Remove the belt filter by releasing the lever.
2. Clean the belt filter and refit the filter.

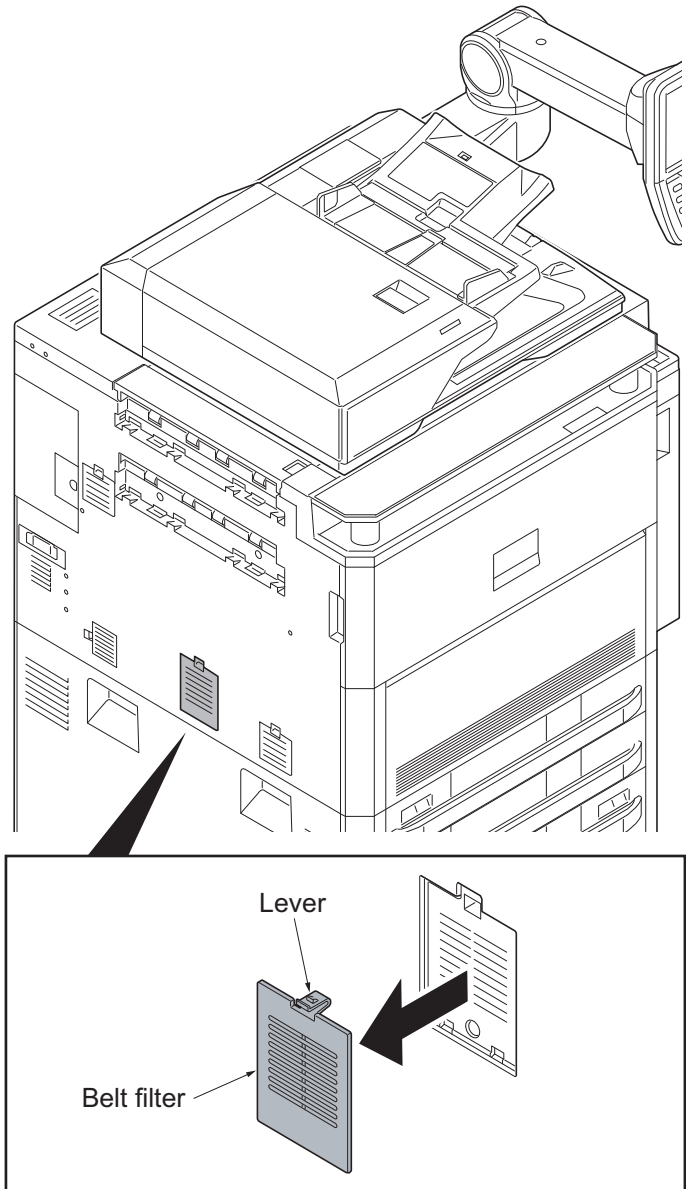


Figure 1-5-170

(6) Detaching and refitting the LSU filter

Procedure

1. Remove the LSU filter by releasing the lever.
2. Clean the LSU filter and refit the filter.

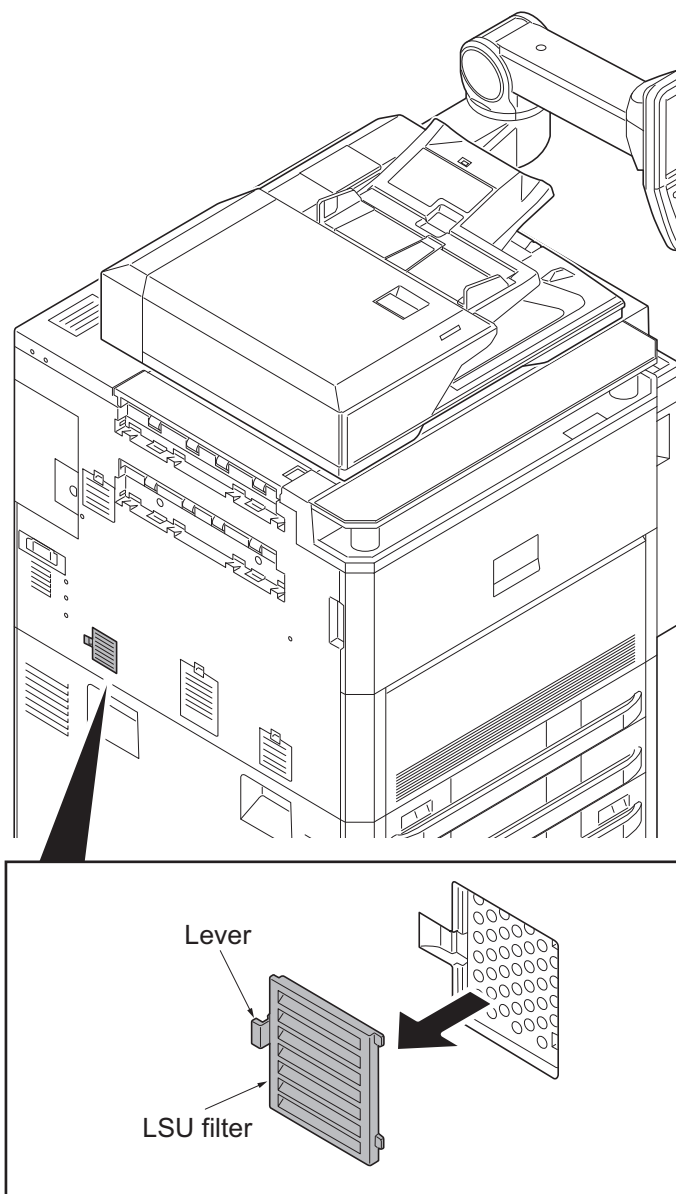


Figure 1-5-171

(7) Detaching and refitting the hard disk unit

Procedure

1. Perform maintenance mode U917 (backup data reading) (see page 1-3-171).
2. Remove the rear upper cover (see page 1-5-66).
3. Release the wire saddle.
4. Remove two screws.

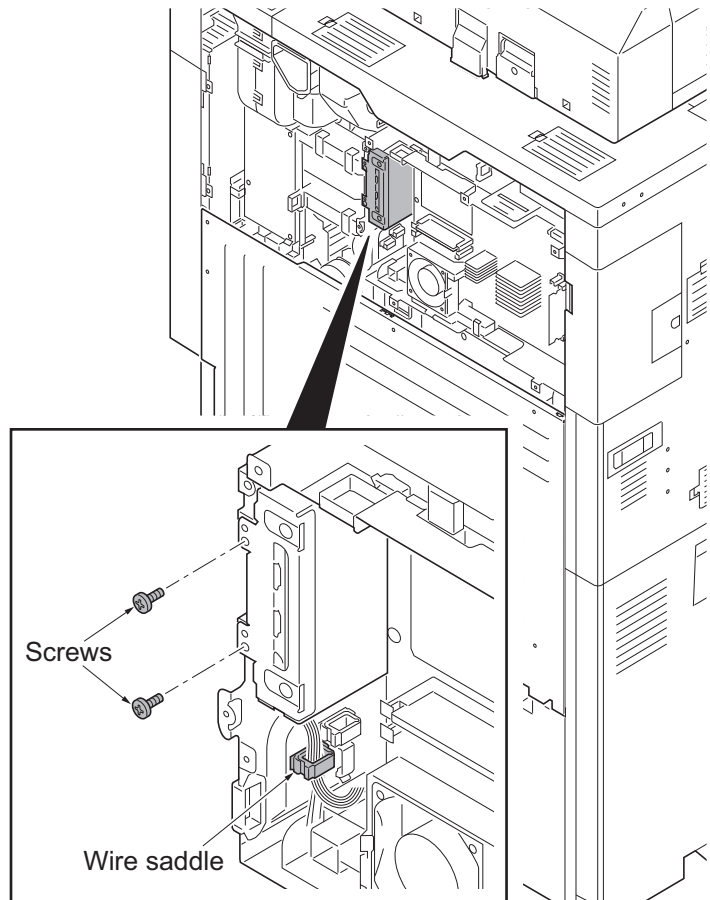


Figure 1-5-172

5. Unhook two hooks and pull out the HDD bracket a little.

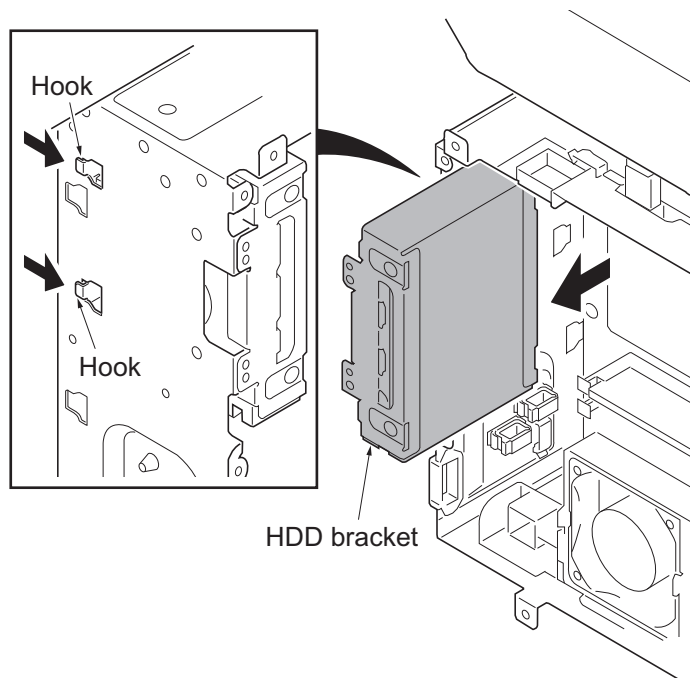


Figure 1-5-173

6. Remove four connectors from the hard disk unit while pushing the lock lever.

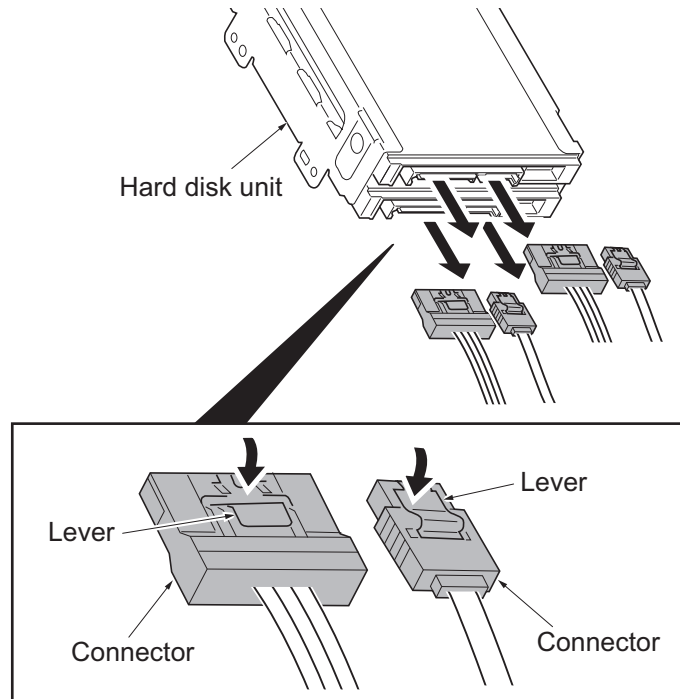


Figure 1-5-174

7. Replace the hard disk unit and refit all the removed parts.
 8. Perform maintenance mode U024 (HDD formatting) (see page 1-3-28).

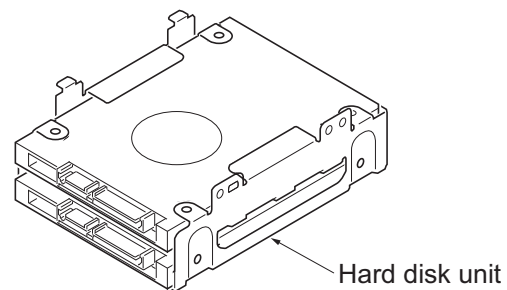


Figure 1-5-175

9. Install the firmwares by the following procedure.
- 1) Connects to the machine the USB memory that preserved Software LANGUAGE BR, JP (Opt Font, Opt Msg), and the PDF1.7 resource.
 The firmware is installed by switching the main power switch to ON/OFF.
 - 2) Connects to the machine the USB memory that preserved WeeklyTimer, FMU application.
 Installs the firmware from the application screen of the system menu.
 (Refer to operation guide.)
10. Perform maintenance mode U917 (backup data writing) (see page 1-3-171).

(8) Direction of installing the principal fan motors

When detaching or refitting the fan motors, be careful of the airflow direction (intake or exhaust).

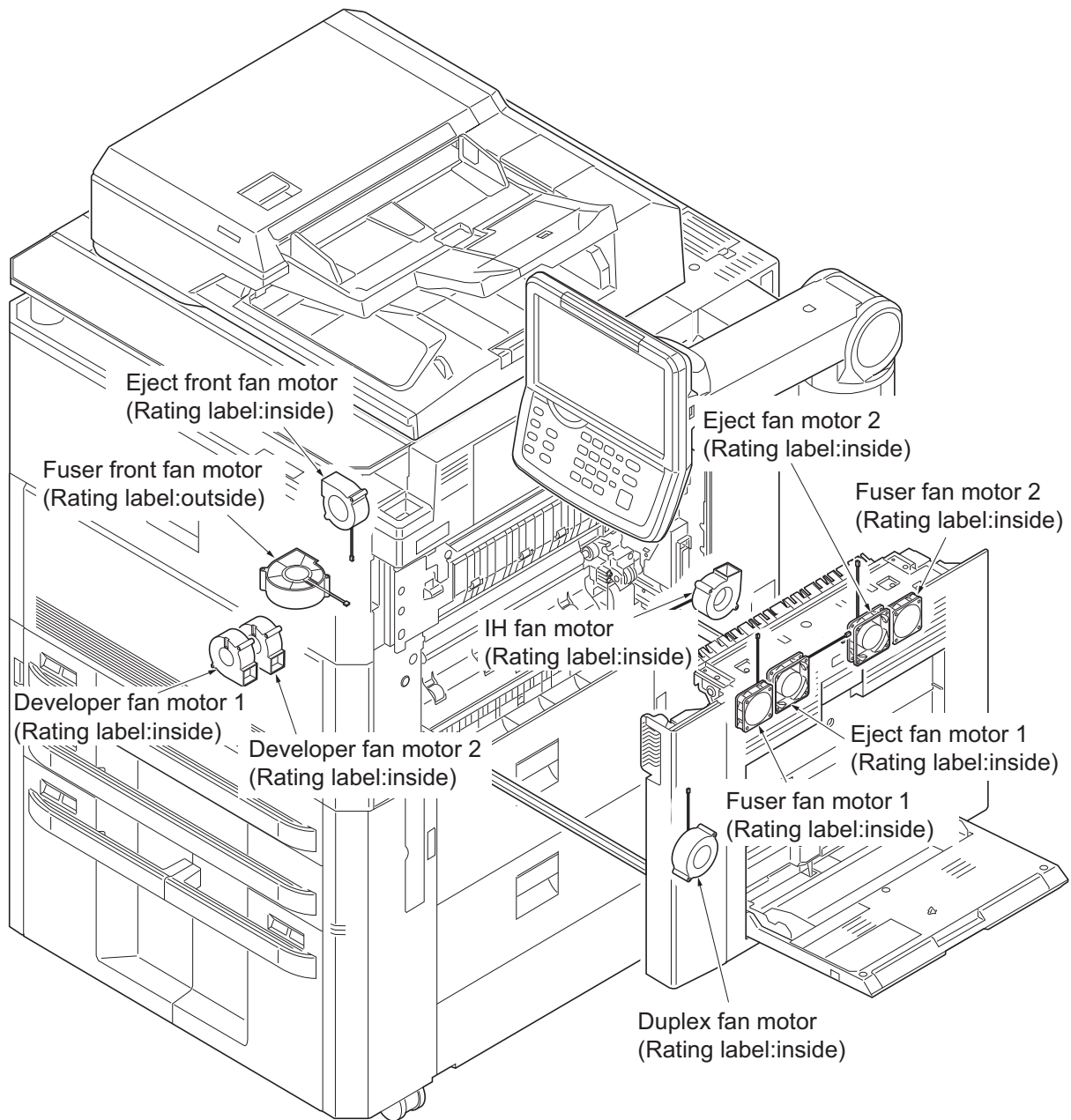


Figure 1-5-176

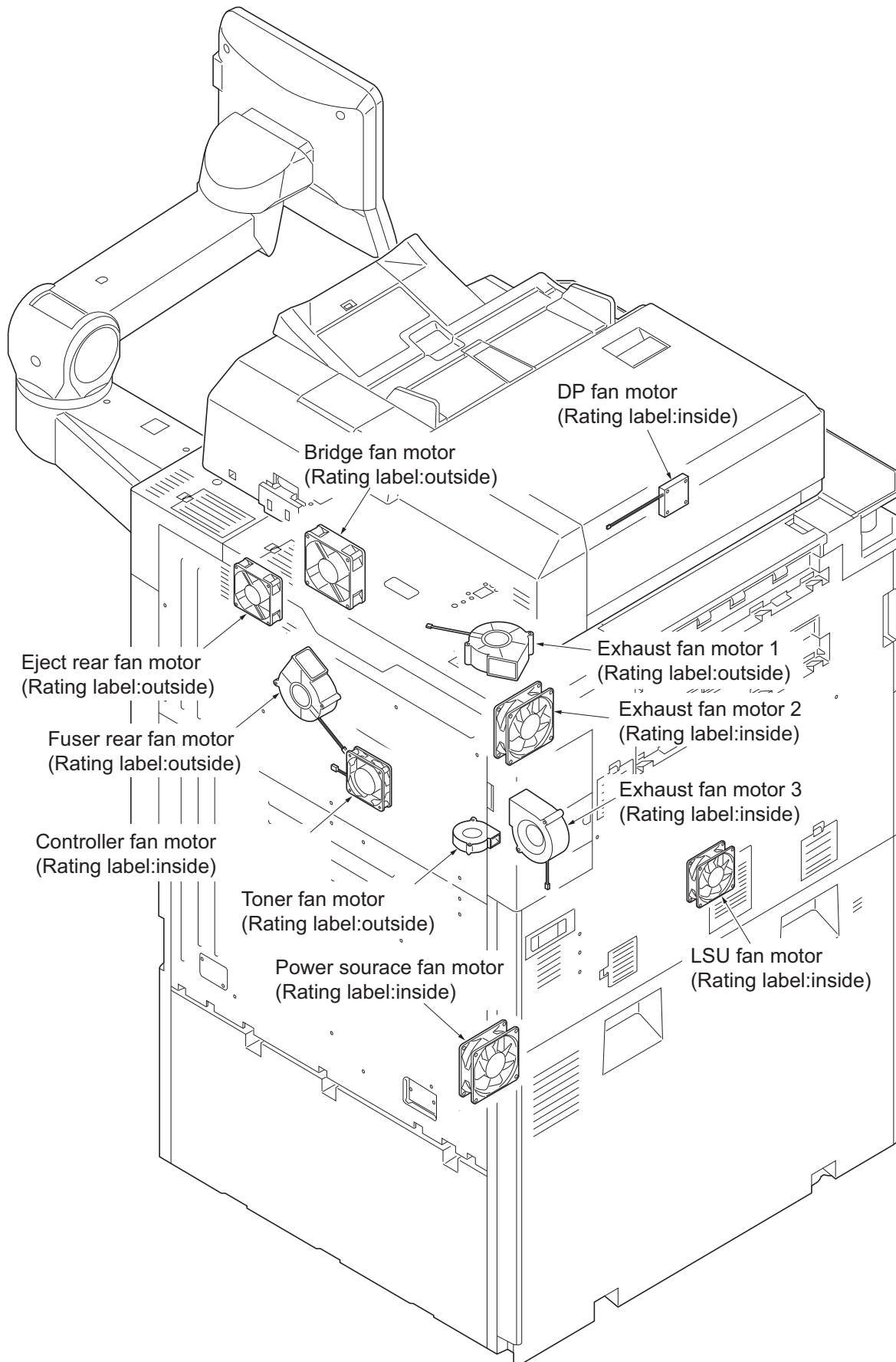


Figure 1-5-177

(9) Skewed paper feeding check/adjustment

At the paper feed source which a sheet of wrinkled paper has caused, check how the paper is fed askew. Run U051 to reduce the curvature of paper at the regist roller and measure how the paper is fed askew.

1. Print a maintenance report and note the U051 value (see page 1-3-39).
2. Reduce the value by 10 for the paper source in question.

3. Press the system menu button to print a test chart.

Check the skew value (balance of left and right, B-A).

Less than 1mm: OK

1mm or more:

Correct the skew by using the paper angle adjusting mechanism (in cassette) that modifies the angle of the paper width guides.

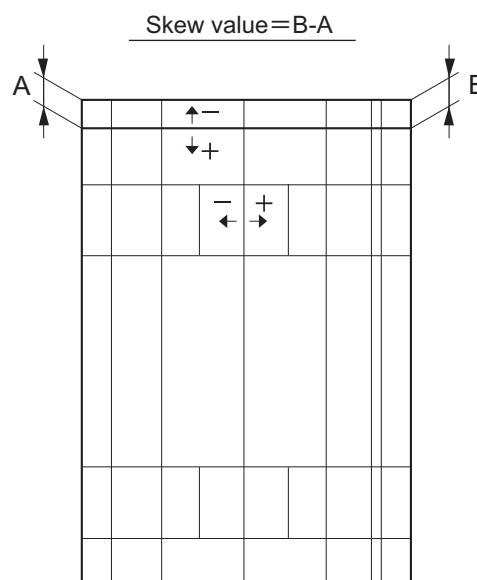


Figure 1-5-178

Procedure

1. Unsecure the fixing screws (screw 1 to 4) and adjust the angle of the paper width guide by the skew feed adjustment screw.
If the B-A is negative, rotate clockwise.
If the B-A is positive, rotate counter-clockwise.
2. Tighten the four screw.
*: Secure the screws in the order of screws 1, 2, 3, then 4.
3. Run U051 and reset the curvature the regist roller.

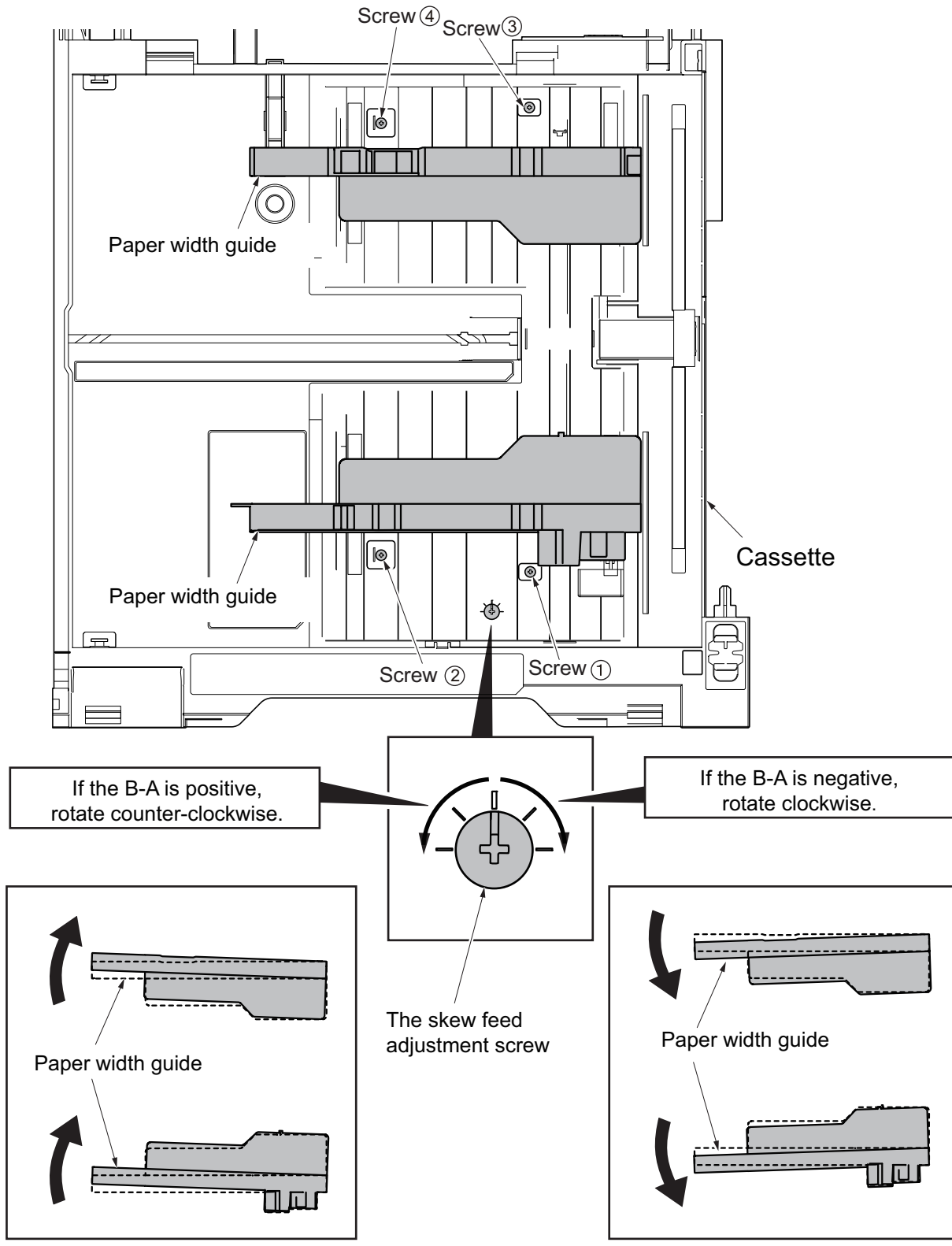


Figure 1-5-179

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1-6-1 Upgrading the firmware

Follow the procedure below to upgrade the firmware of main PWB, operation PWB, engine PWB, ISC PWB, optional language and optional devices.

Preparation

Extract the file that has the download firmware and put them in the USB flash device.

Procedure

1. Perform maintenance item U000 (maintenance report output) and check U019 ROM version.
2. Press the power key on the operation panel, and after verifying the power indicator has gone off, switch off the main power switch.
3. Insert the USB flash device in which the firmware has been written into a notch hole of the machine.
4. Turn the main power switch on. Upgrading firmware starts (blinking the memory LED).

Caution:

Never turn off the power switch or remove the USB flash device during upgrading.

5. [ROM version] is displayed on the touch panel when upgrading is complete.
6. Switch off the main power switch.
7. Wait for several seconds and then remove the USB flash device from the machine.
8. Turn the main power switch on.
9. Perform maintenance item U000 (maintenance report output) and check that U019 ROM version has been upgraded.

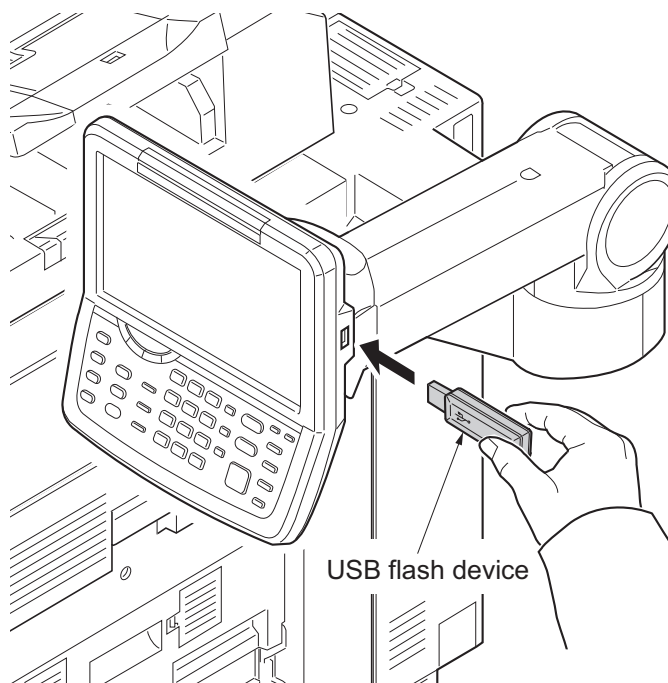


Figure 1-6-1

Procedure for recovery of version upgrade using operation PWB

Perform the following if the panel will not be activated due to a power failure during upgrading the version:

Procedure

1. Turn the power switch on the machine off and unplug the power cable. Remove the USB flash device.
2. Set the slide switch from NORMAL to BOOT (This engages the panel to the update mode).
3. Plug the power cable to power and turn the power switch on.

When the memory indicator is lit up (in approx. 1 minute after the power switch is turned on - the recovery firmware for the operation panel PWB has been updated.), turn the power switch off and unplug the power cable.

* : Set the slide switch on the operation PWB from BOOT to NORMAL. For normal use, leave the switch in NORMAL (not BOOT). The panel display is deactivated if this switch is set to BOOT.

* : The minimum parameters of the firmware required for recovery are restored (update mode for rebooting). Perform the normal upgrade procedure.

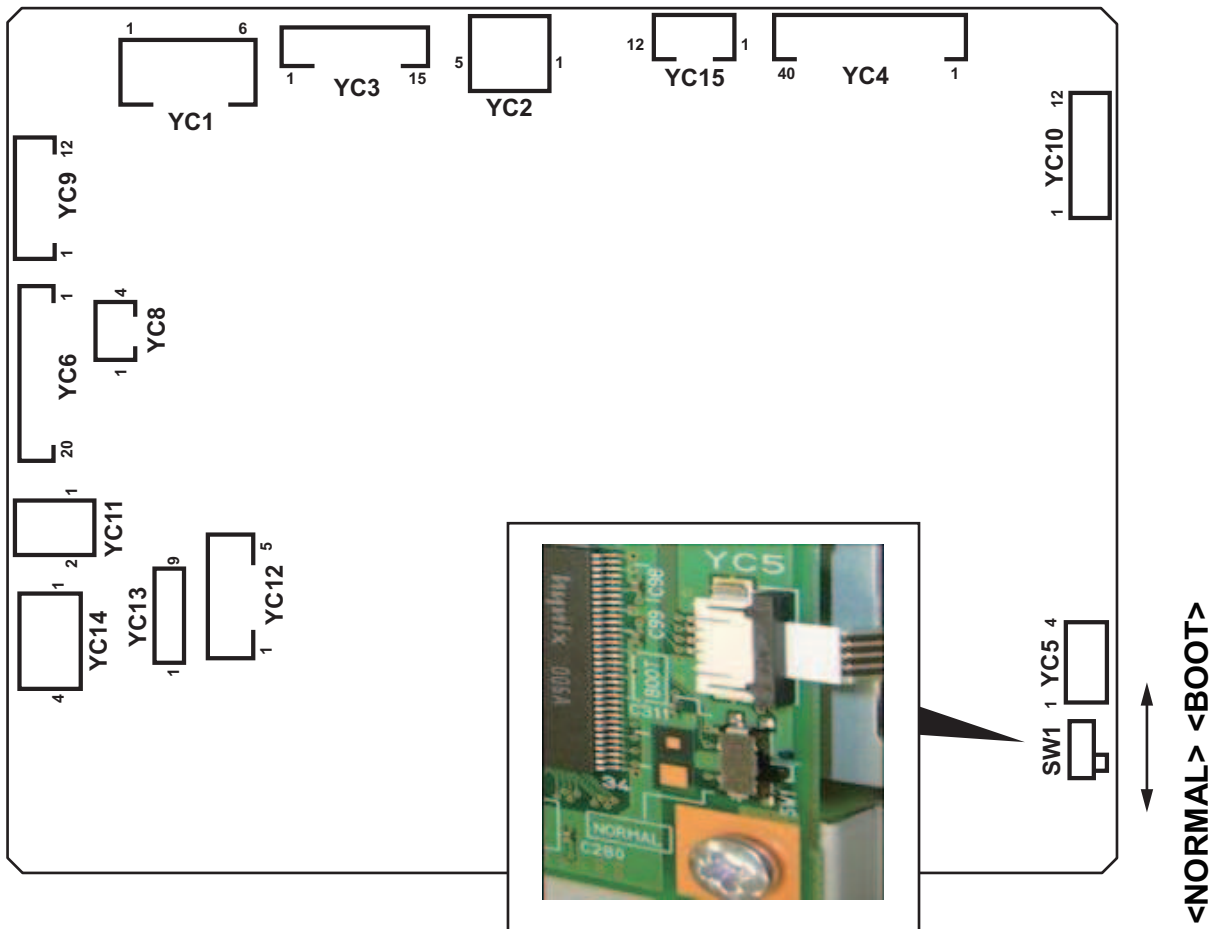


Figure 1-6-2

Emergency-UPDATE

If the device is accidentally switched off and upgrading was incomplete, upgrade becomes impossible from a USB flash device.

In that case, retry upgrading after recovering the software by following the procedure below.

Preparation

The CF memory card must be formatted in FAT or FAT32 in advance.

Extract the main firmware to download from the file.

Rename the file which was extracted from the archive. [DL_CTRL.2LF] to [KM_EMRG.2LF]

Copy the all extracted files to the root of the CF memory.

Procedure

1. Turn the main power switch off.
2. Install the CF memory card which contains the firmware onto the main PWB.
3. Turn the main power switch on.
4. Rewriting of the PWB software will start for restoration.
The memory and attention LEDs will be blinking.
5. Only the Memory LED will be blinking when rewriting is successful.
* : Only the Attention LED will be blinking when rewriting is failed.
6. Turn the main power switch off.
7. Wait for several seconds and then remove the CF memory from the main PWB.
8. Extract the firmware to download from the archive and copy to the root of the USB flash device.
9. Insert the USB flash device in which the firmware was copied into the slot on the machine.
10. Perform steps 4 to 7 on the previous page.

11. Turn the main power switch on.
12. Perform maintenance item U000 (Print a maintenance report) to check that the version of ROM U109 has been upgraded.

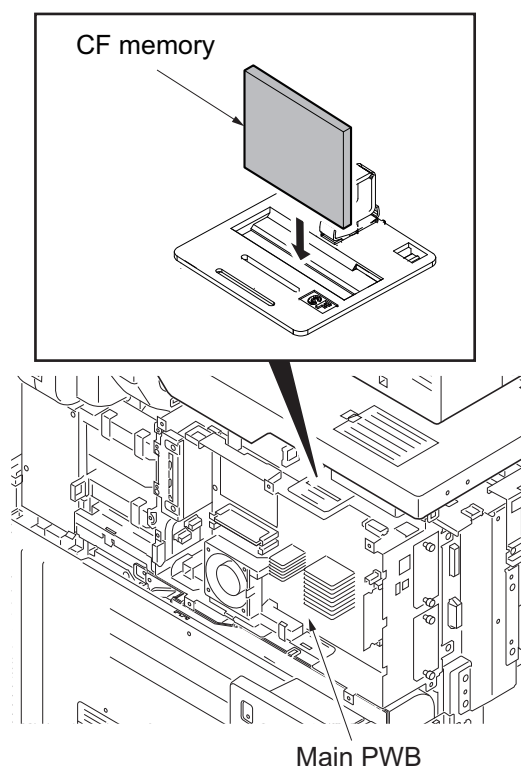


Figure 1-6-3

1-6-2 Remarks on main PWB replacement

When replacing the main PWB, remove the EEPROM (YC14) and code DIMM (YS4) from the main PWB that has been removed and then reattach it to the new main PWB.

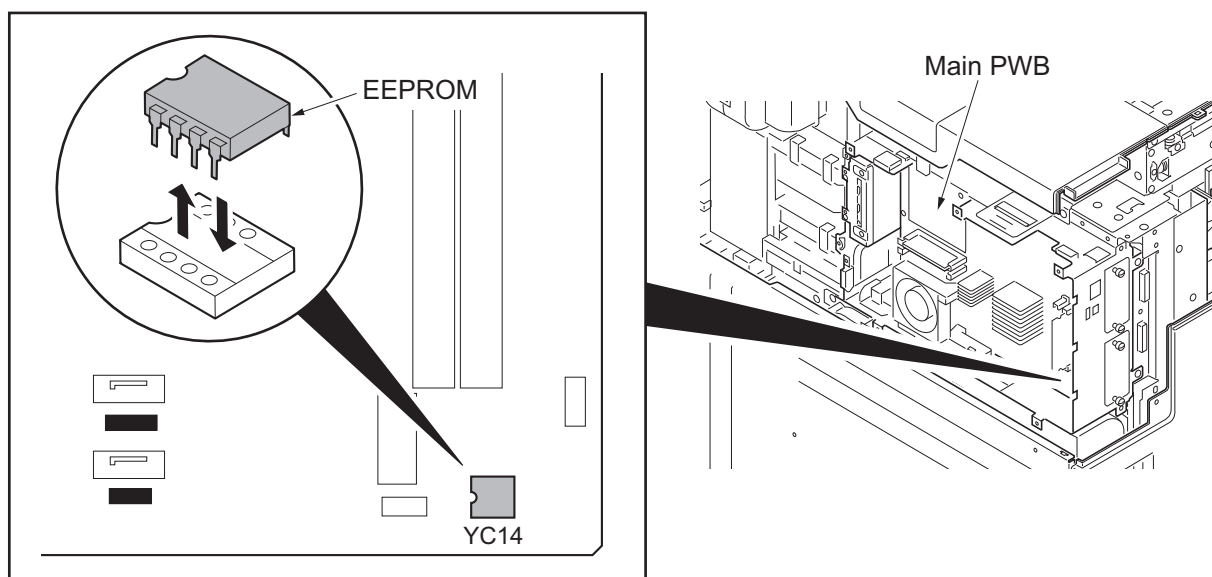


Figure 1-6-4

When refitting DIMM, check "CODE" and "FLS" marked on the PWB and refit them to the original positions.

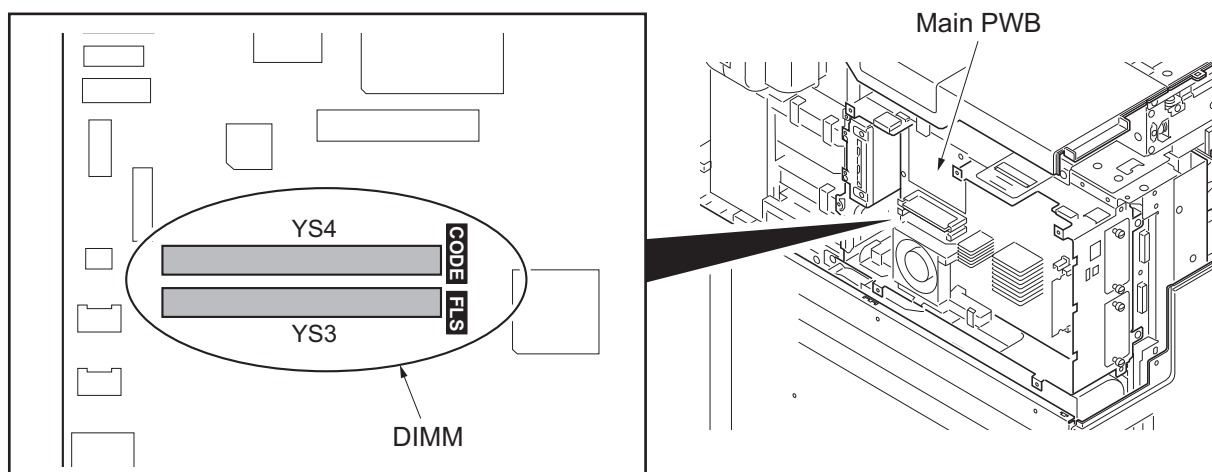


Figure 1-6-5

If the code DIMM (YS4) was replaced with a service supplied part, perform the following.

1. Insert the USB flash device in which the latest firmware was copied, into the slot on the machine and turn power on.(see page P.1-6-1)
2. Referring to the U000 maintenance report printed previously, enter the following values.
 - U252 Setting the destination
 - U265 Setting OEM purchaser code
 - U278 Setting the delivery date
 - U402 Adjusting margins of image printing
 - U952 Maintenance mode workflow
3. Reset machine settings.(Resets system menu settings modified at setup to their defaults.)
 - Main items for settings
 - [Date/Timer] - Date/Time settings
 - [Date/Timer] - Timer settings (Sleep timer)

[Edit Destination] - One-touch presetting

[User/Job accounting] - Defaults for user authentication and job accounting only.

Resettings are not required as the data are stored in harddisk.

[FAX] - FAX transmission settings (tel. no. of itself)

[System] - Network settings (IP address)

[Adjustment/Maintenance] - Silent Mode setting

4. Run the maintenance mode for image adjustments which follows.

1. Performs maintenance mode U464 (Calibration) (see page P.1-3-156).

2. Performs maintenance mode U410 (Adjusting the halftone automatically) (see page P.1-3-138).

When connecting the hard disk cables (YC1, YC2) to the PWB, match "BLACK" and "BLUE" marked on the PWB with the connector colors.

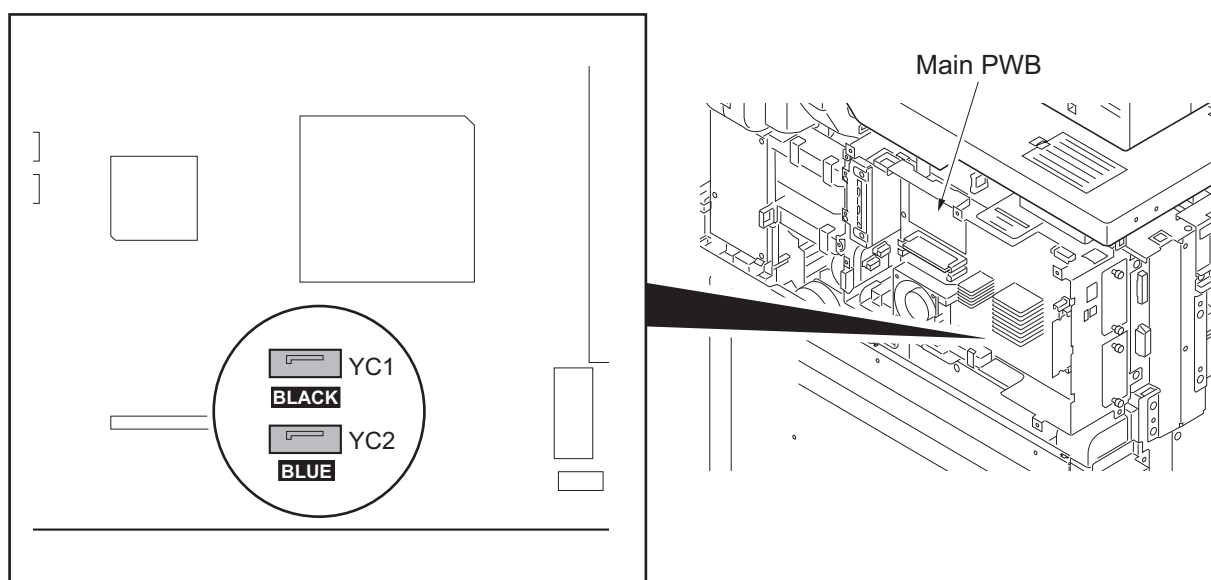


Figure 1-6-6

When connecting the USB cables (YC17, YC21) to the PWB, match "BK" and "WH" marked on the PWB with the connector colors.

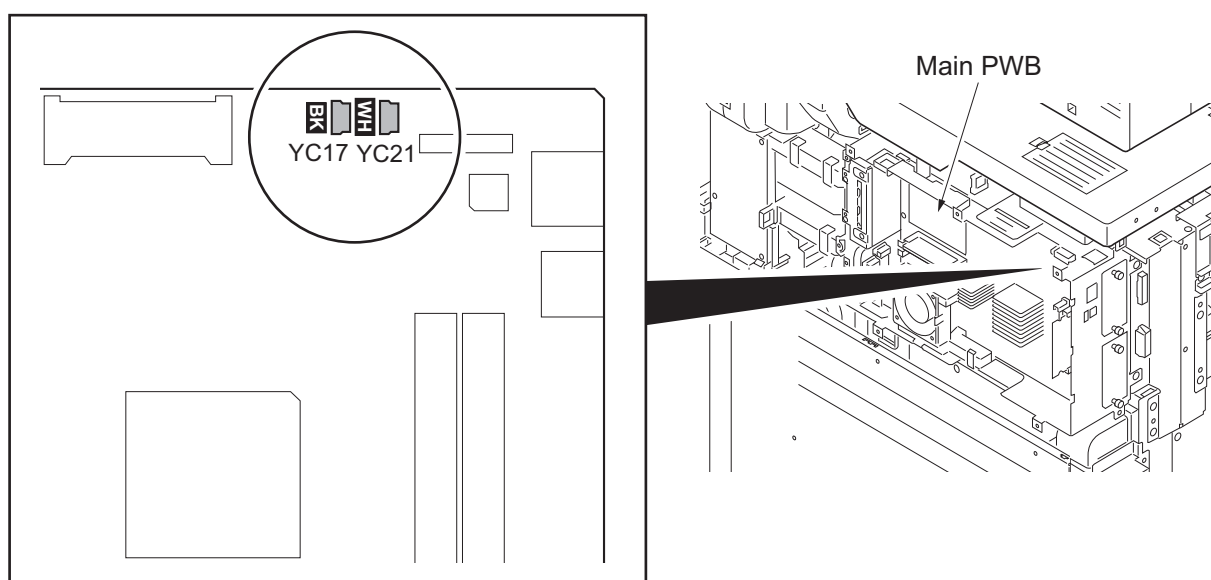


Figure 1-6-7

1-6-3 Remarks on engine PWB replacement

When replacing the engine PWB, remove the EEPROM (U100) from the engine PWB that has been removed and then reattach it to the new engine PWB.

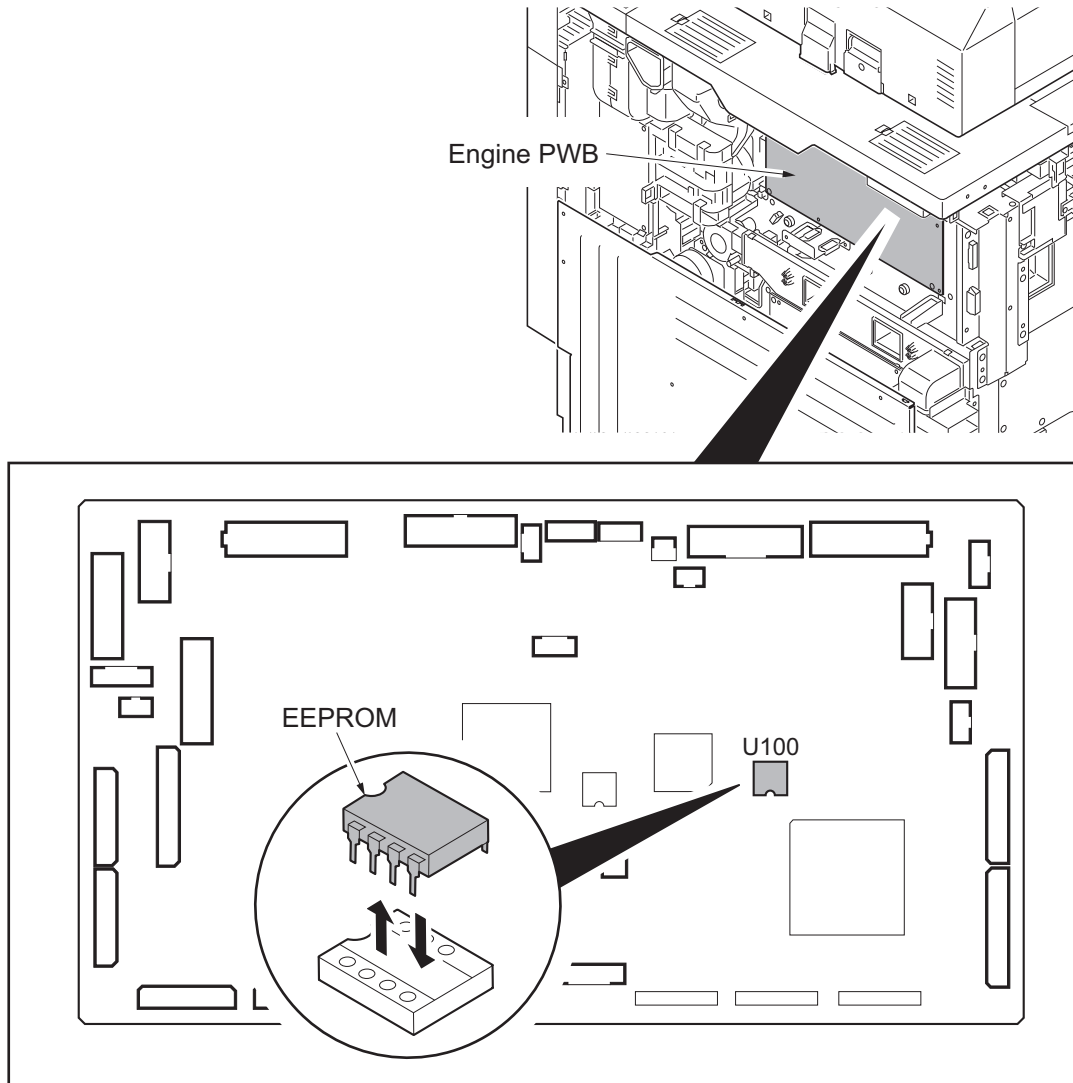


Figure 1-6-8

2-1-1 Paper feed/conveying sections

Paper feed/conveying section consists of the paper feed unit that feeds paper from the cassette and the MP tray paper feed unit that feeds paper from the MP tray, and the paper conveying section that conveys the fed paper to the transfer/separation section.

(1) Cassette paper feed section

Cassette paper feed section consists of the paper holder with the cassette operation plate activated by lift motor 1 and 2, and the pulleys, such as the forwarding pulley, the paper feed pulley and the separation pulley, for extracting and conveying the paper. Paper is fed out of the cassette by the rotation of the forwarding pulley, paper feed pulley and separation pulley.

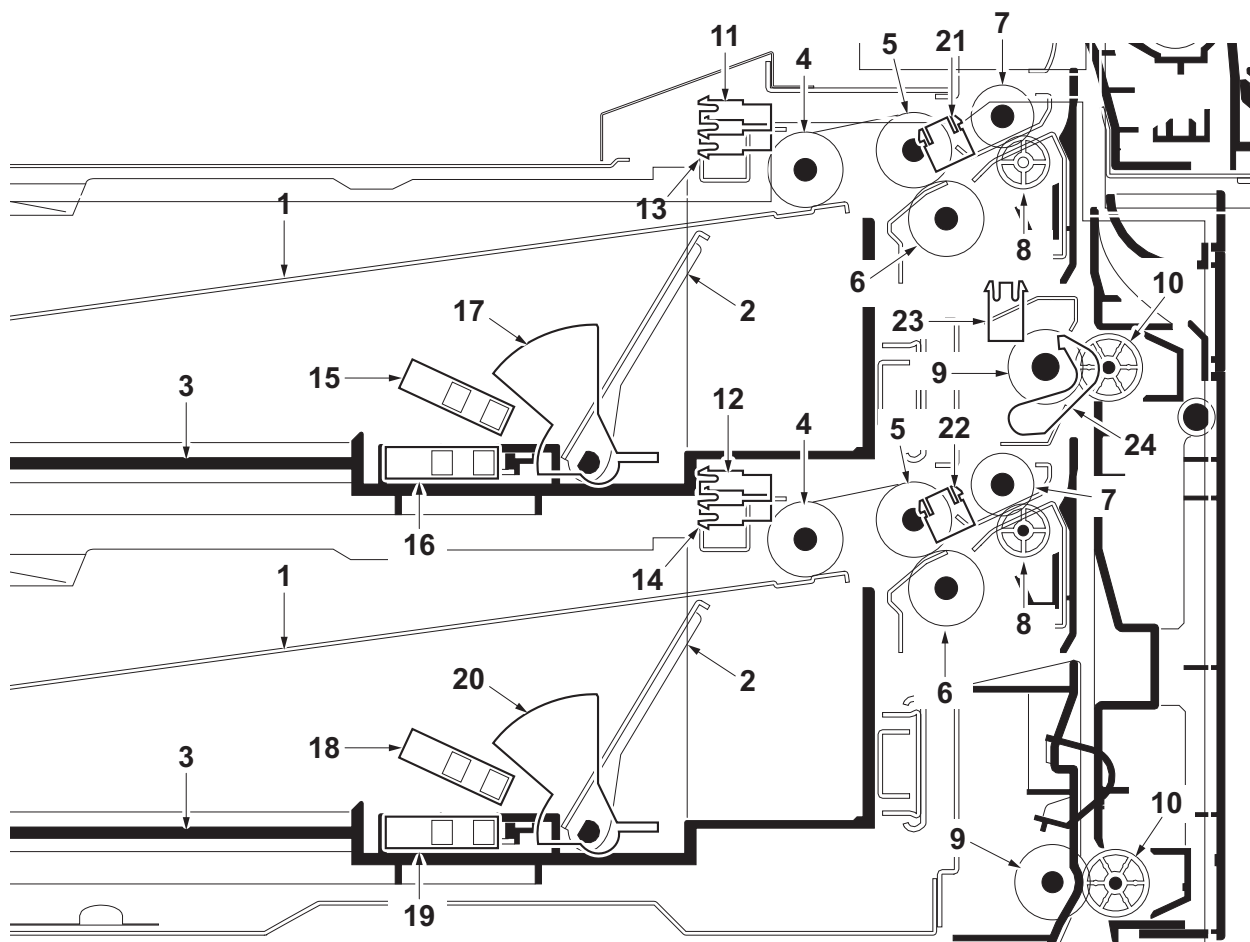


Figure 2-1-1 Cassette paper feed section

- | | | |
|-----------------------------|---|---|
| 1. Cassette base | 12. Paper sensor 2 (PS2) | 19. Paper gauge sensor 2 (L)
(PGS2(L)) |
| 2. Cassette operation plate | 13. Lift sensor 1 (LS1) | 20. Actuator
(Paper gauge sensor 2) |
| 3. Cassette | 14. Lift sensor 2 (LS2) | 21. Feed sensor 1 (FS1) |
| 4. Forwarding pulleys | 15. Paper gauge sensor 1 (U)
(PGS1(U)) | 22. Feed sensor 2 (FS2) |
| 5. Paper feed pulleys | 16. Paper gauge sensor 1 (L)
(PGS1(L)) | 23. Paper conveying sensor
(PCS) |
| 6. Separation pulleys | 17. Actuator
(Paper gauge sensor 1) | 24. Actuator
(Paper conveying sensor) |
| 7. Assist rollers | 18. Paper gauge sensor 2 (U)
(PGS2(U)) | |
| 8. Assist pulleys | | |
| 9. Paper conveying roller | | |
| 10. Paper conveying pulley | | |
| 11. Paper sensor 1 (PS1) | | |

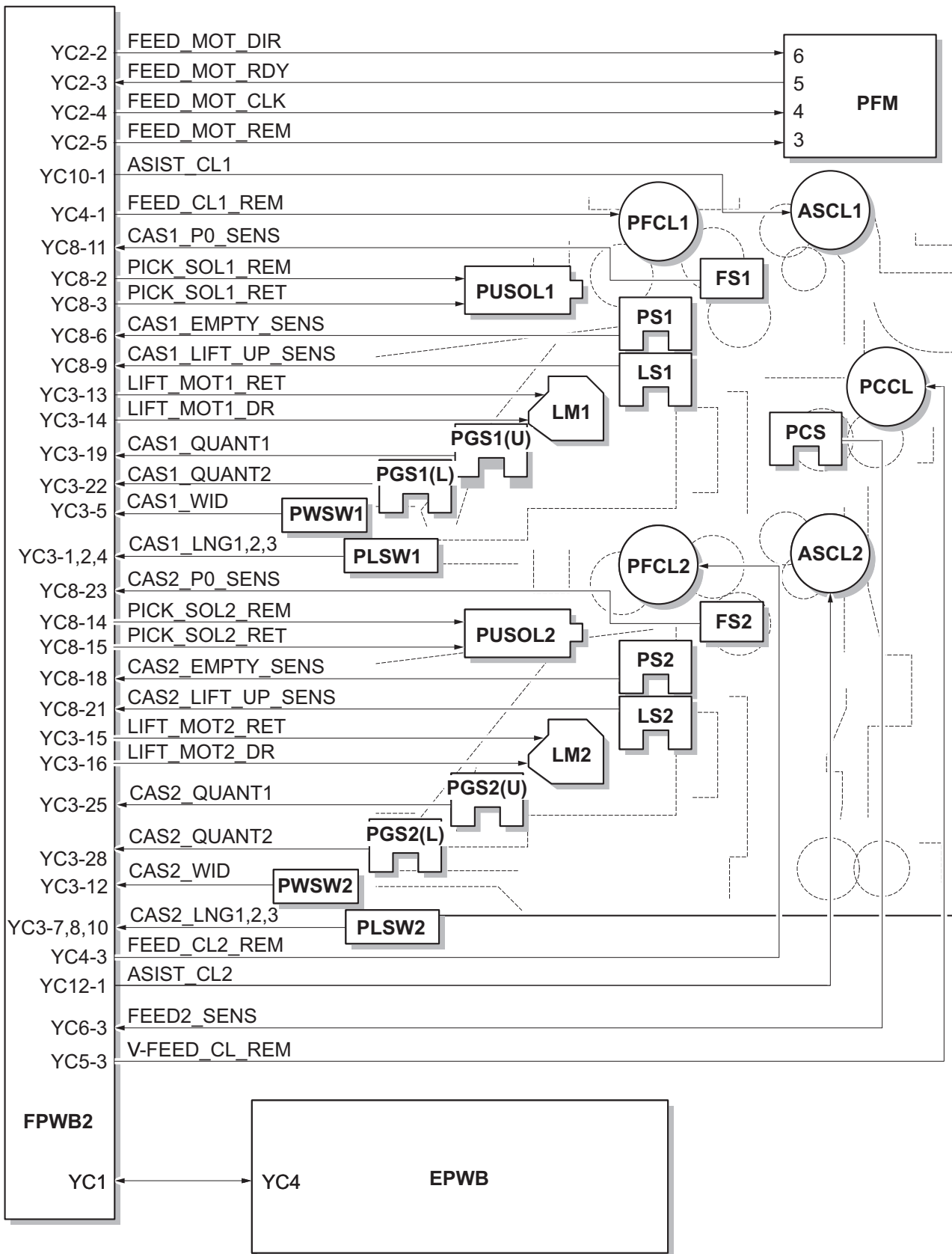


Figure 2-1-2 Cassette paper feed section block diagram

(2) Large capacity feeder

The paper feeder is comprised of the right- and left-hand cassettes and their feeding units, and the paper feeding section for the left-hand cassette.

The paper loaded on the lifting plate in the right-hand cassette is picked up to the PF forwarding pulley, PF feeding pulley, and PF separator pulley, one by one; then the PF feed roller 1 drives the paper into the device. The paper fed by the left-hand cassette is separated in the similar manner and guided by the driving roller into the device.

Right cassette section

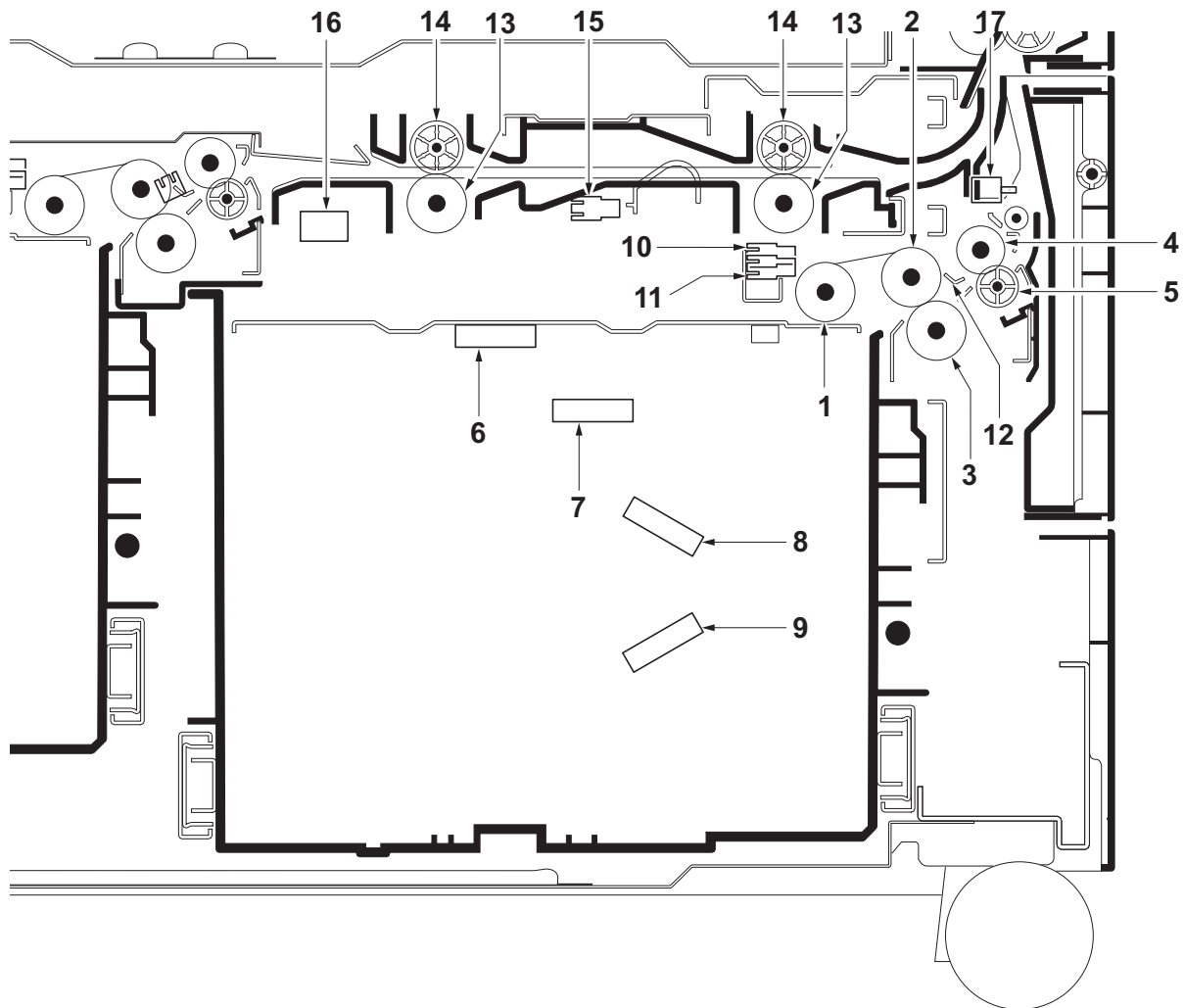


Figure 2-1-3 Right cassette section

- | | |
|--|--|
| 1. PF forwarding pulley | 10. PF paper sensor 1 (PFPS1) |
| 2. PF paper feed pulley | 11. PF lift sensor 1 (PFLS1) |
| 3. PF separation pulley | 12. PF feed sensor 1 (PFFS1) |
| 4. PF feed roller 1 | 13. PF paper conveying roller |
| 5. PF feed pulley | 14. PF paper conveying pulley |
| 6. PF size detection switch 1 (PFSDSW1) | 15. PF paper conveying sensor 2 (PFPCS2) |
| 7. PF cassette detection switch 1 (PFCDSW1) | 16. PF paper conveying unit switch (PFPCUSW) |
| 8. PF paper gauge sensor 1 upper (PFPGS1(U)) | 17. PF paper conveying cover switch (PFCCSW) |
| 9. PF paper gauge sensor 1 lower (PFPGS1(L)) | |

Left cassette section

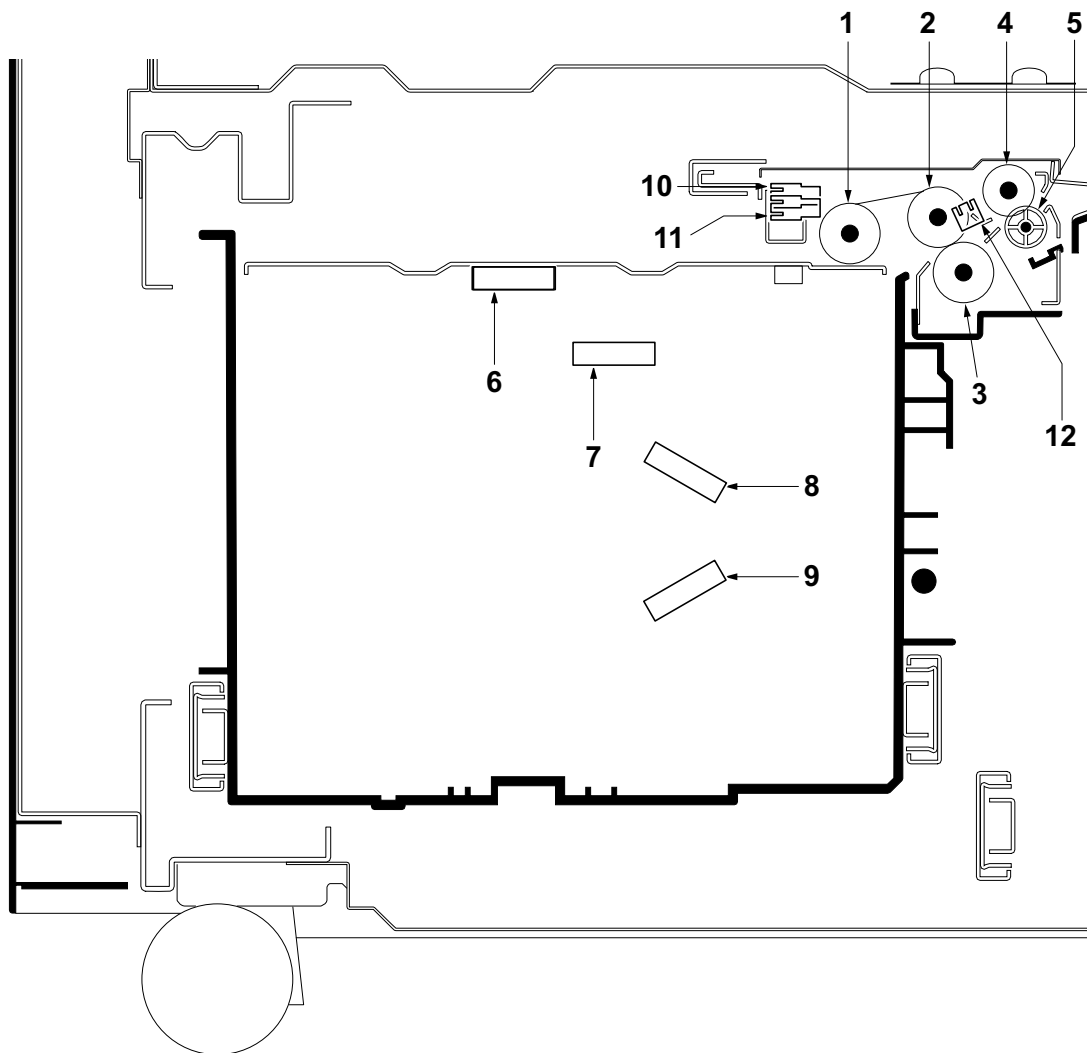


Figure 2-1-4 Left cassette section

- | | |
|---|--|
| 1. PF forwarding pulley 2 | 7. PF cassette detection switch 2 (PFCDSW2) |
| 2. PF paper feed pulley 2 | 8. PF paper gauge sensor 2 upper (PFPGS2(U)) |
| 3. PF separation pulley 2 | 9. PF paper gauge sensor 2 lower (PFPGS2(L)) |
| 4. PF feed roller 2 | 10. PF paper sensor 2 (PFPS2) |
| 5. PF feed pulley | 11. PF lift sensor 2 (PFLS2) |
| 6. PF size detection switch 2 (PFSDSW2) | 12. PF feed sensor 2 (PFFS2) |

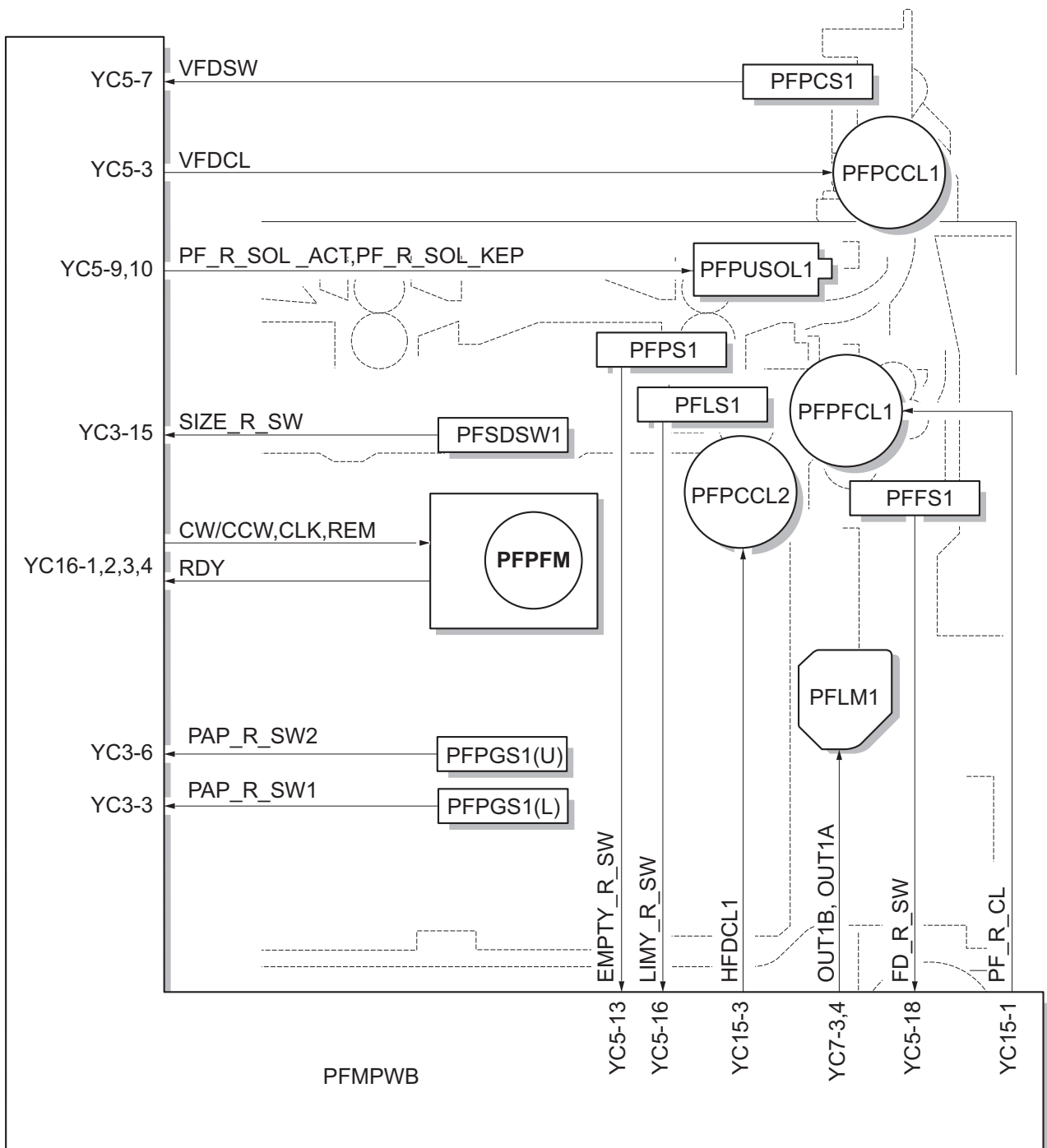


Figure 2-1-5 Right cassette paper feed section block diagram

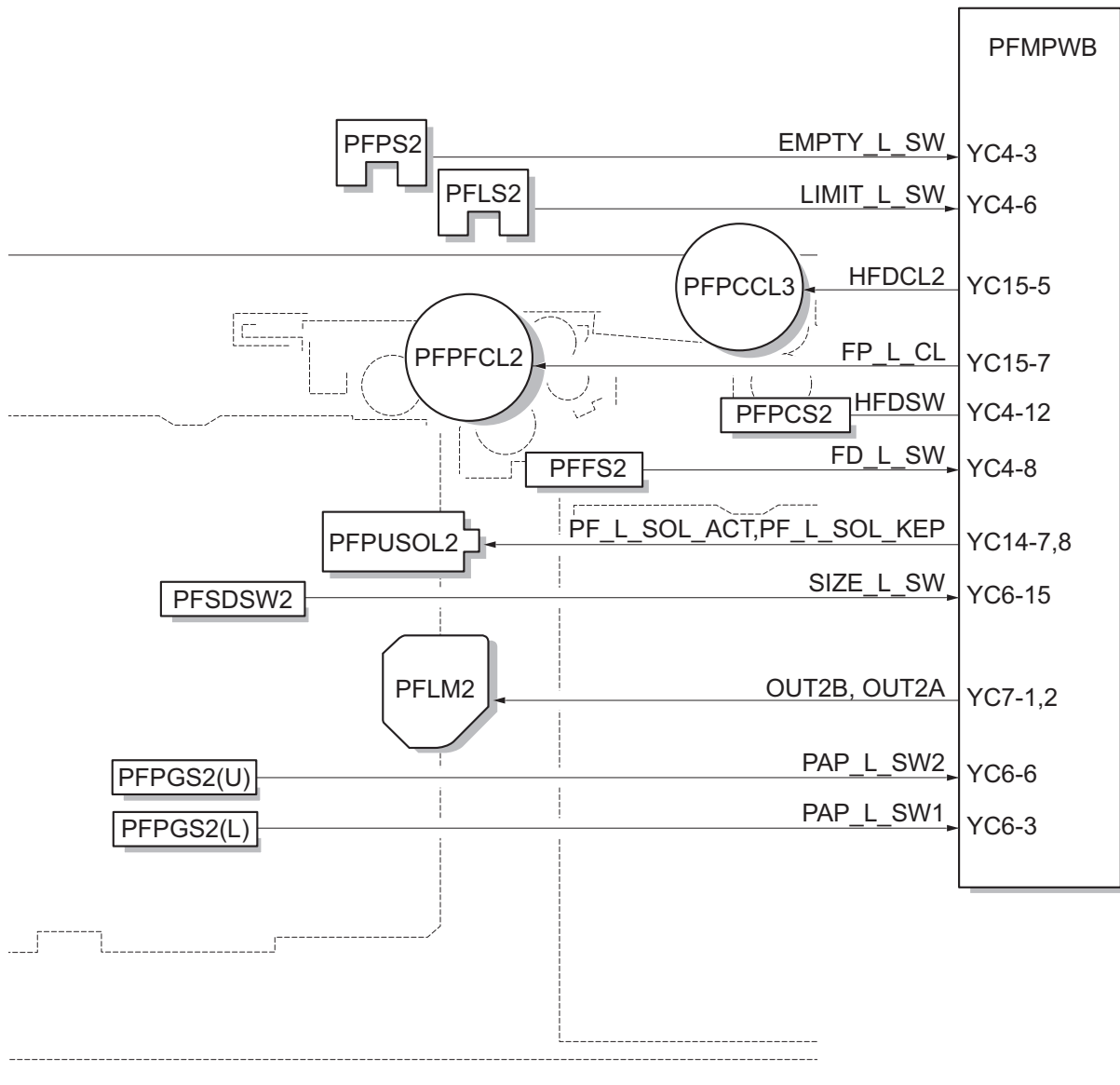


Figure 2-1-6 Left cassette paper feed section block diagram

(3) MP tray paper feed section

Paper is fed out of the MP tray by the rotation of the MP forwarding pulley, MP paper feed pulley and MP separation pulley. The MP separation pulley prevents multiple sheets from being fed at one time by the torque limiter.

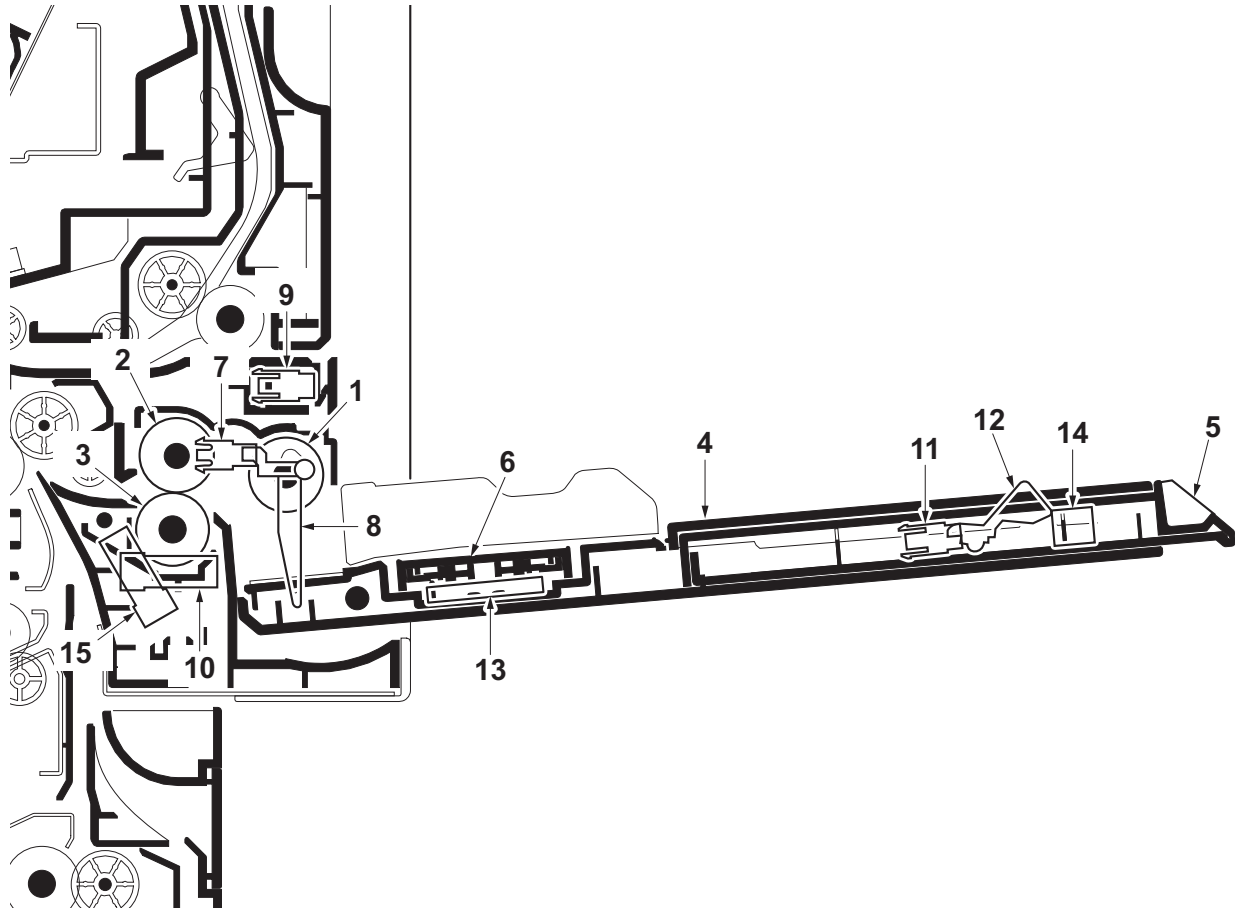


Figure 2-1-7 MP tray paper feed section

- | | |
|-------------------------------|---------------------------------------|
| 1. MP forwarding pulley | 10. MP lift sensor 2 (MPLS2) |
| 2. MP paper feed pulley | 11. MP paper length switch (MPPLSW) |
| 3. MP separate pulley | 12. Actuator (MP paper length switch) |
| 4. MP table | 13. MP paper width switch (MPPWSW) |
| 5. MP support Tray | 14. MP tray switch (MPTSW) |
| 6. MP lift base | 15. MP feed sensor (MPFS) |
| 7. MP paper sensor (MPPS) | |
| 8. Actuator (MP paper sensor) | |
| 9. MP lift sensor 1 (MPLS1) | |

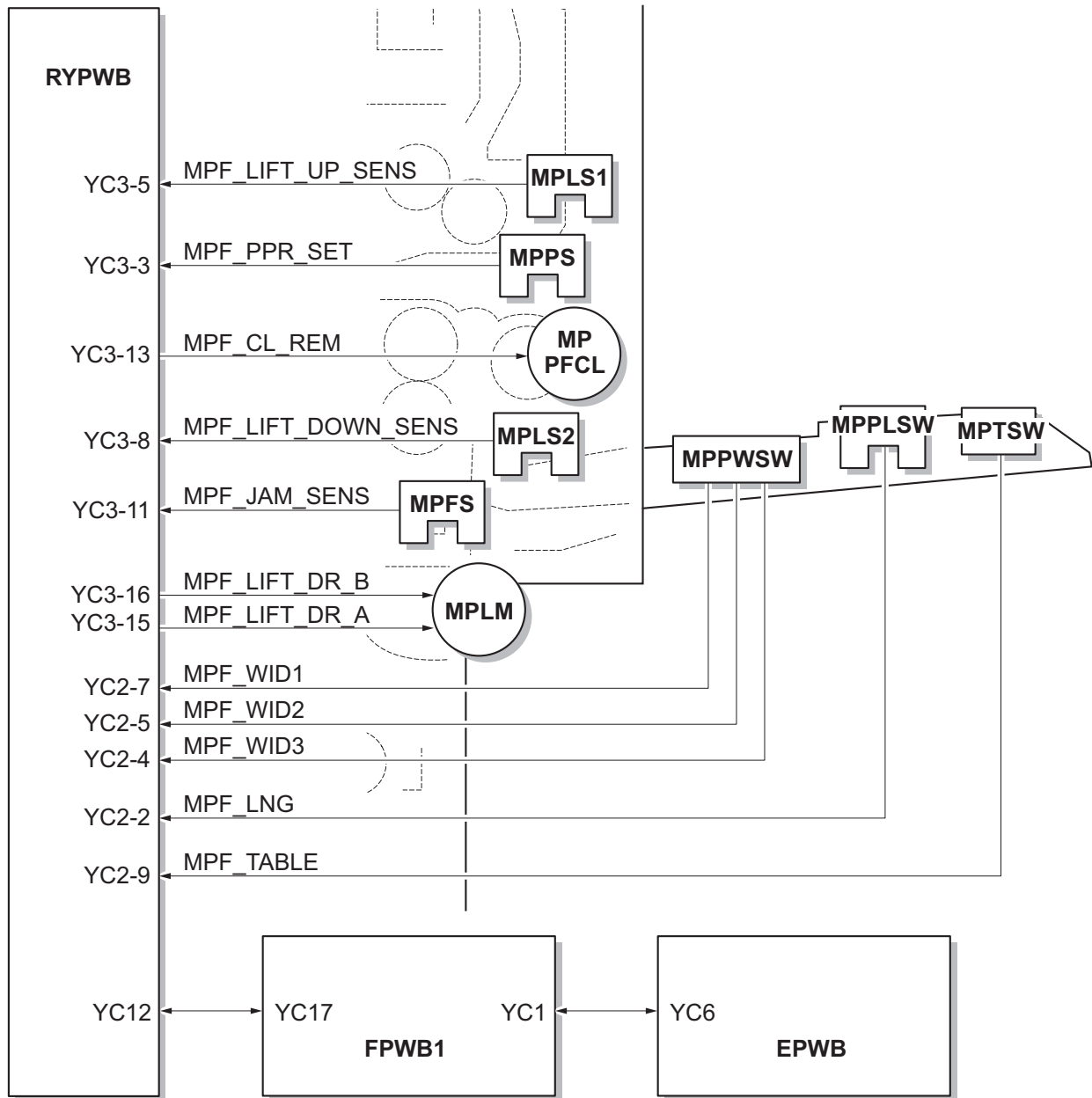


Figure 2-1-8 MP tray paper feed section block diagram

(4) Paper conveying section

The paper conveying section conveys paper to the transfer/separation section as paper feeding from the cassette or MP tray, or as paper refeeding for duplex printing. Paper by feeding is conveyed by the middle roller to the position where the registration sensor (RS) is turned on, and then sent to the transfer/separation section by the right registration roller and left registration roller.

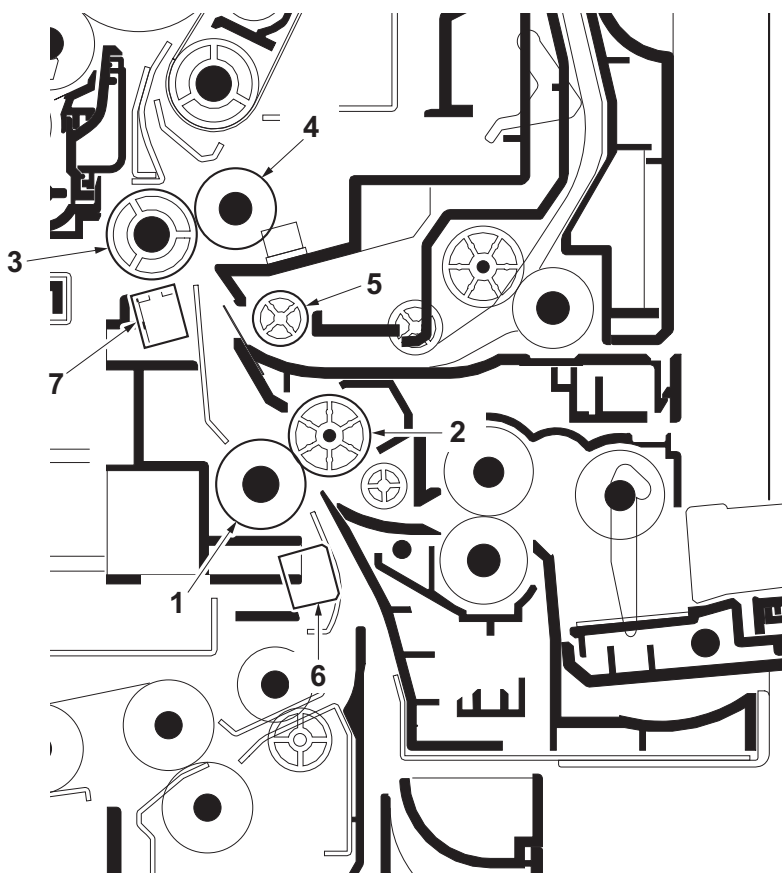


Figure 2-1-9 Paper conveying section

- | | |
|------------------------------|-----------------------------|
| 1. Middle roller | 6. Middle sensor (MS) |
| 2. Middle pulley | 7. Registration sensor (RS) |
| 3. Left registration roller | |
| 4. Right registration roller | |
| 5. Paper conveying pulley | |

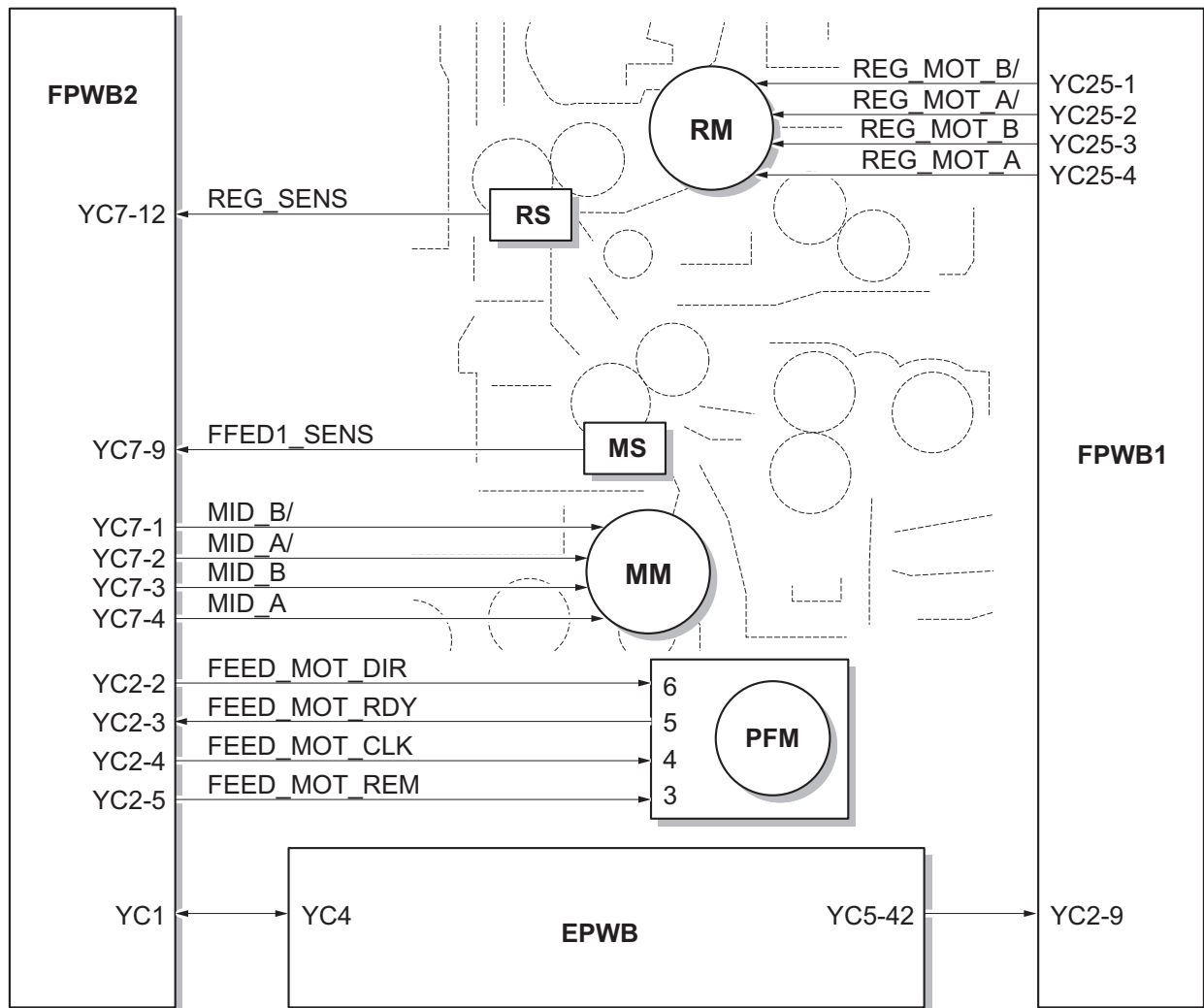


Figure 2-1-10 Paper conveying section block diagram

2-1-2 Drum section

The drum section consists of the charger roller unit, drum and cleaning section. The drum is electrically charged uniformly by means of a charger roller to form a latent image on the surface. The cleaning section consists of the cleaning blade and the cleaning roller which remove residual toner from the drum surface after transfer. The cleaning lamp (CL) consists of LEDs and removes residual charge on the drum before main charging.

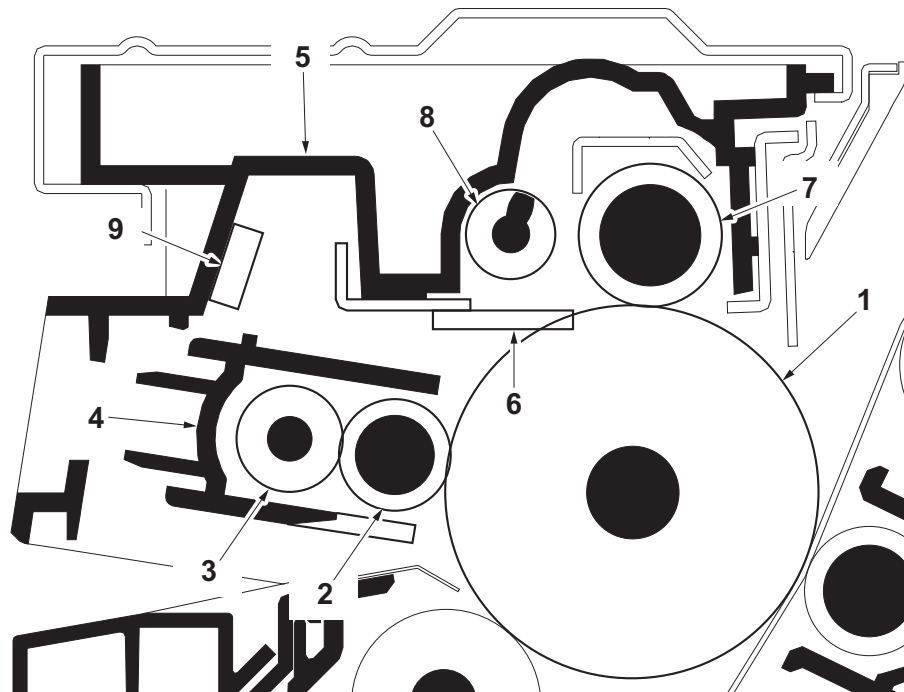


Figure 2-1-11 Drum section

- | | |
|----------------------------|-----------------------|
| 1. Drum | 6. Cleaning blade |
| 2. Charger roller | 7. Cleaning roller |
| 3. Charger cleaning roller | 8. Drum screw |
| 4. Charger case | 9. Cleaning lamp (CL) |
| 5. Drum frame | |

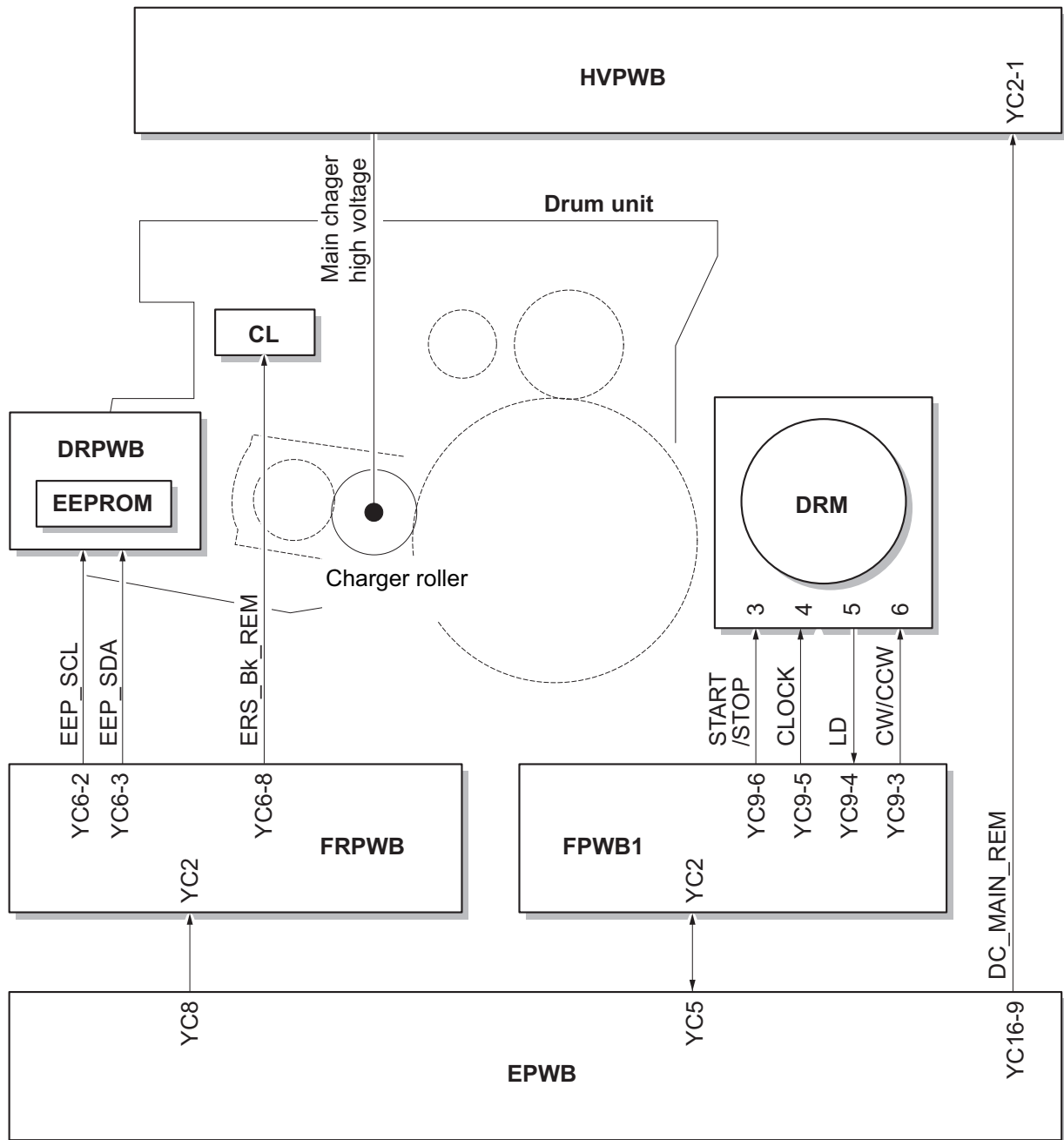


Figure 2-1-12 Drum section block diagram

2-1-3 Developer section

The developer unit consists of the sleeve roller that forms the magnetic brush, the magnet roller, the developer blade and the developer screws that agitate the toner. Also, the toner sensor (TS) checks whether or not toner remains in the developer unit.

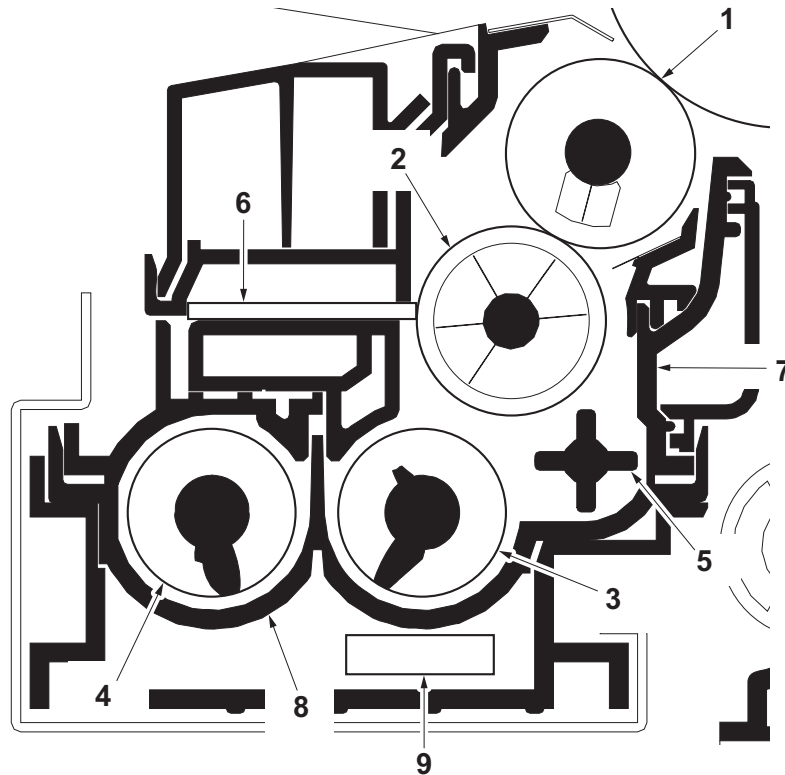


Figure 2-1-13 Developer section

- | | |
|----------------------|----------------------|
| 1. Sleeve roller | 6. Developer blade |
| 2. Magnet roller | 7. Developer case |
| 3. Developer screw A | 8. Developer cover |
| 4. Developer screw B | 9. Toner sensor (TS) |
| 5. Developer paddle | |

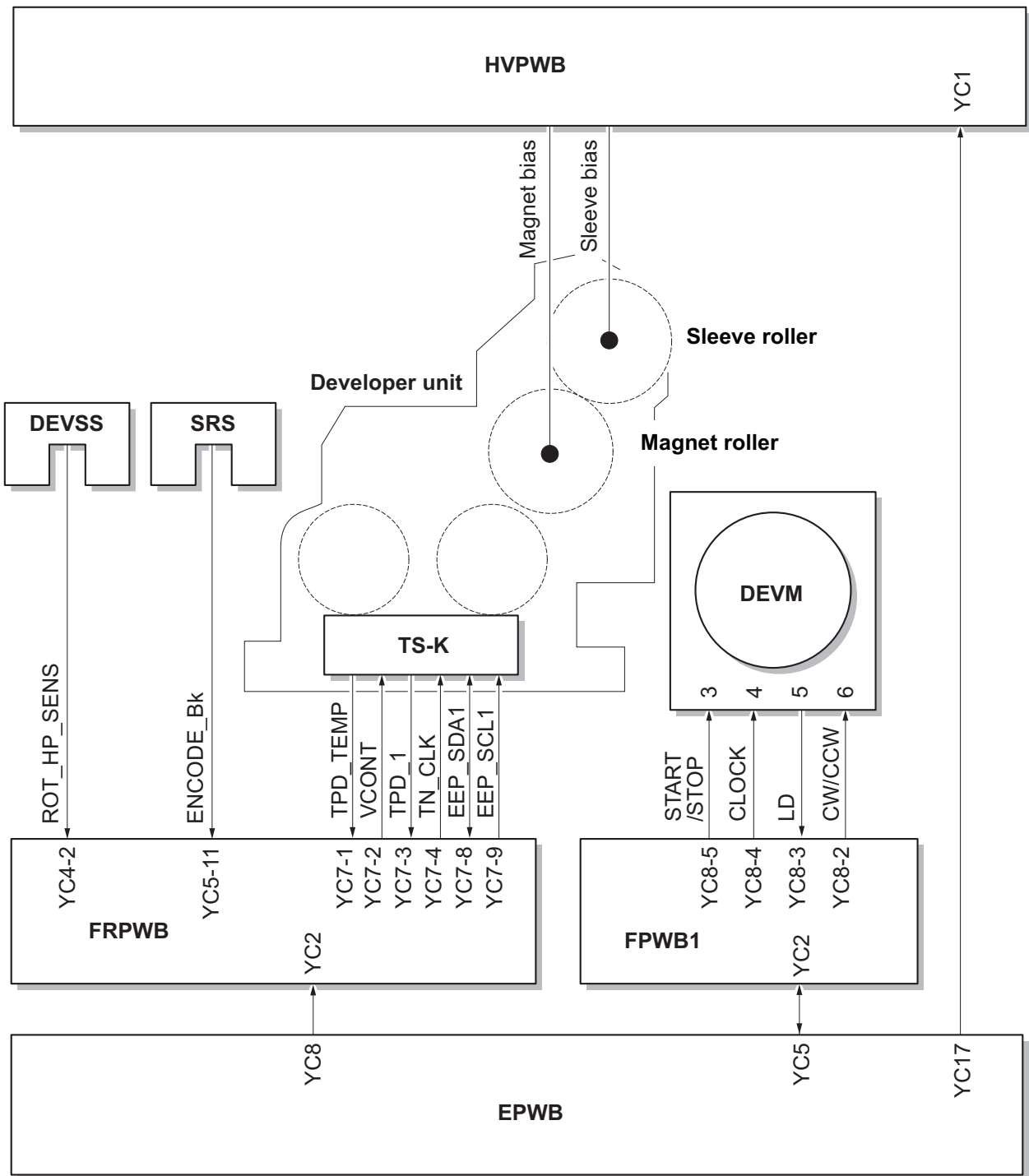


Figure 2-1-14 Developer section block diagram

2-1-4 Optical section

The optical section consists of the image scanner section for scanning and the laser scanner section for printing.

(1) Image scanner section

The original image is illuminated by the LED lamp and scanned by the CCD image sensor in the CCD PWB (CCDPWB) via the three mirrors and ISU lens, the reflected light being converted to an electrical signal. The mirror frame A and B travel to scan on the optical rails on the front and rear of the machine to scan from side to side. The speed of the mirror frame B is half the speed of the mirror frame A.

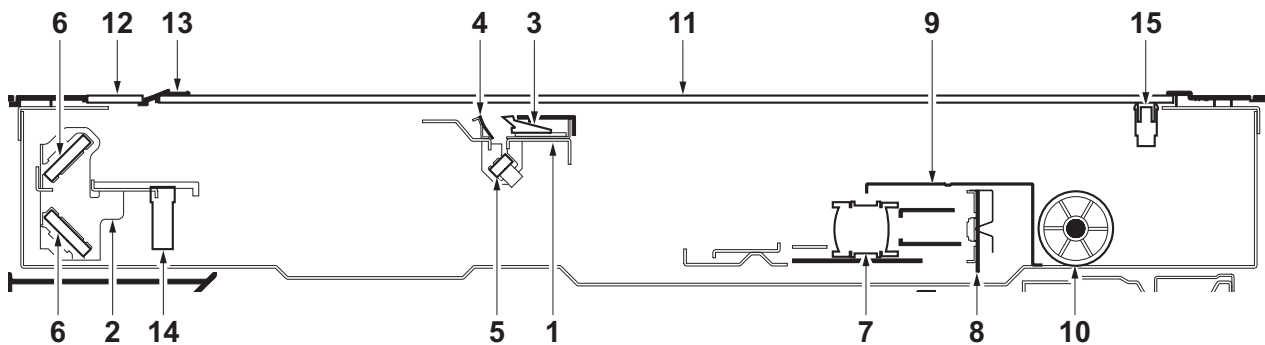


Figure 2-1-15 Image scanner section

- | | |
|----------------------|--------------------------------------|
| 1. Mirror frame A | 9. ISU cover |
| 2. Mirror frame B | 10. Scanner wire drum |
| 3. LED mount | 11. Contact glass |
| 4. Scanner reflector | 12. Slit glass |
| 5. Mirror A | 13. Original size indicator plate |
| 6. Mirror B | 14. Home position sensor (HPS) |
| 7. ISU lens | 15. Original detection switch (ODSW) |
| 8. CCD PWB (CCDPWB) | |

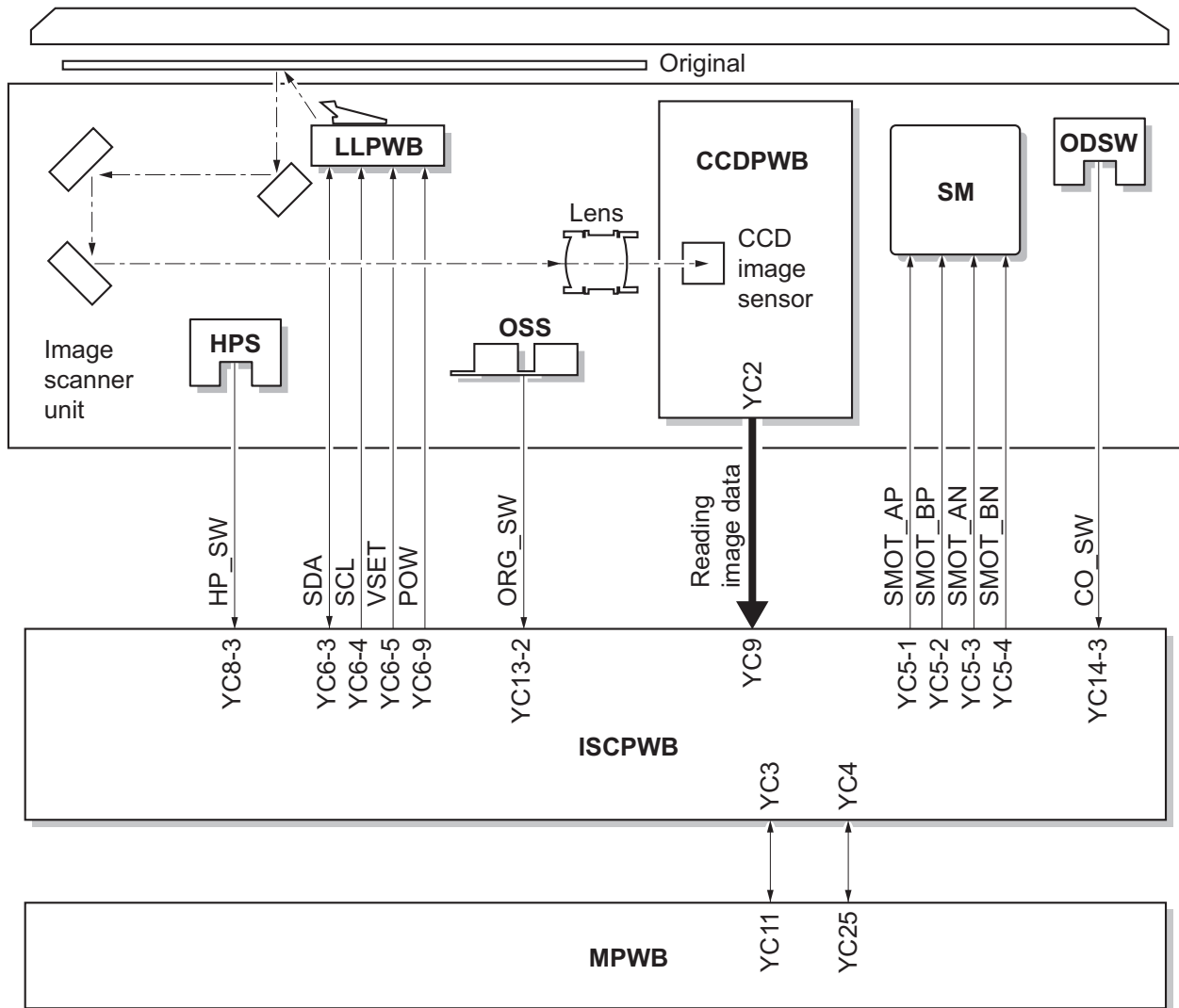


Figure 2-1-16 Image scanner section block diagram

(2) Laser scanner section

The charged surface of the drum is then scanned by the laser beam from the laser scanner unit. The laser beam is dispersed as the polygon motor (PM) revolves to reflect the laser beam over the drum. Various lenses are housed in the laser scanner unit, adjust the diameter of the laser beam, and focalize it at the drum surface.

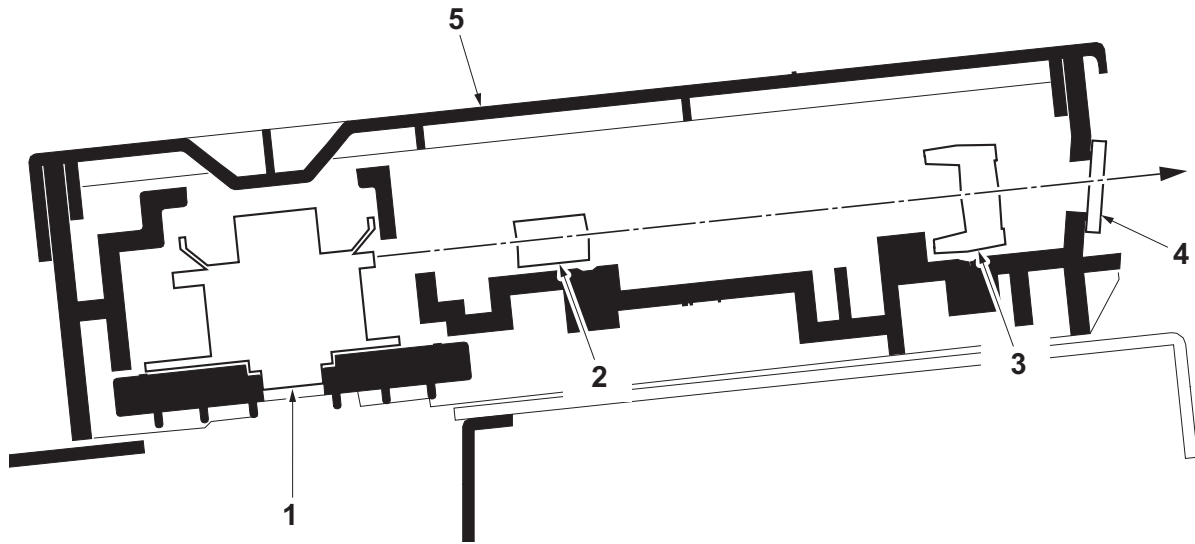


Figure 2-1-17 Laser scanner section

1. Polygon motor (PM)
2. f- θ lens A
3. f- θ lens B
4. LSU dust shield glass
5. LSU cover

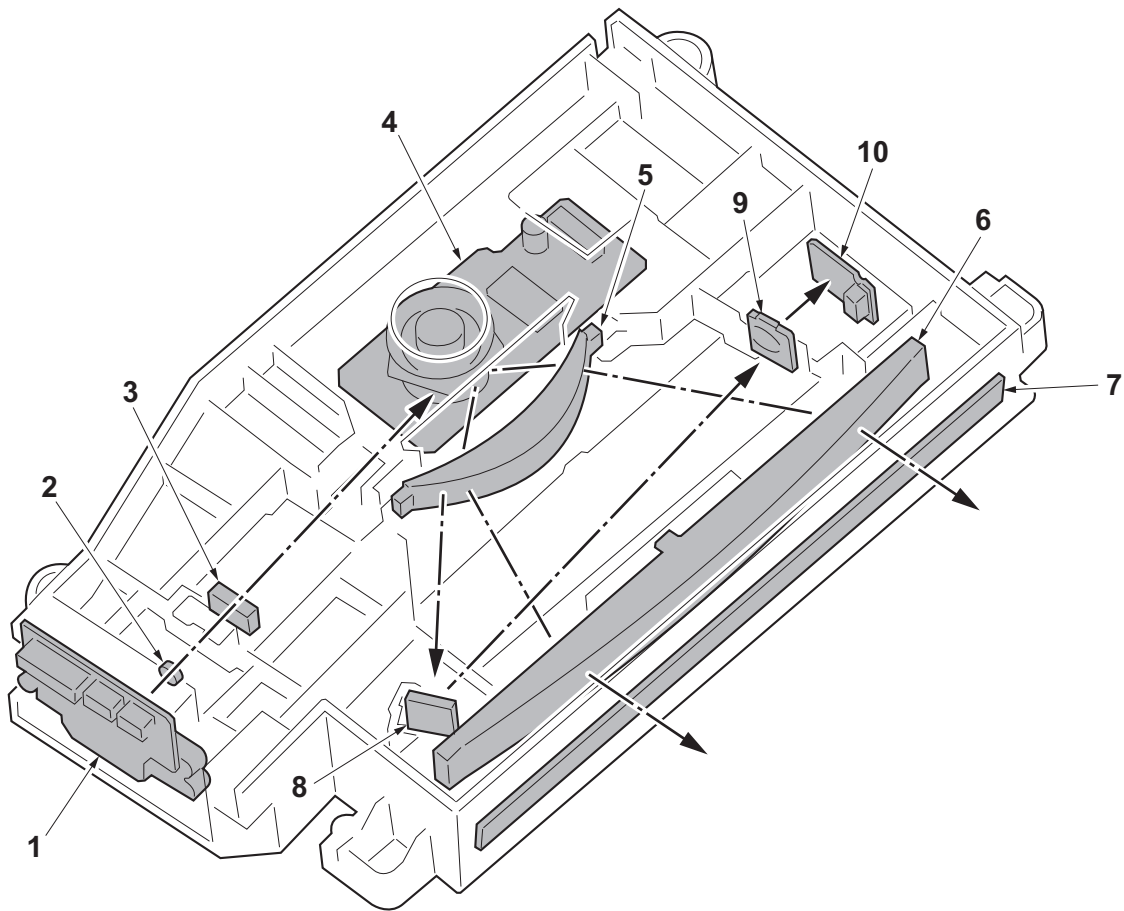


Figure 2-1-18 Image scanner unit

- | | |
|-----------------------|--------------------------|
| 1. APC PWB (APCPWB) | 6. f-θ lens B |
| 2. Collimate lens | 7. LSU dust shield glass |
| 3. Cylindrical lens | 8. Mirror lens |
| 4. Polygon motor (PM) | 9. PD lens |
| 5. f-θ lens A | 10. PD PWB (PDPWB) |

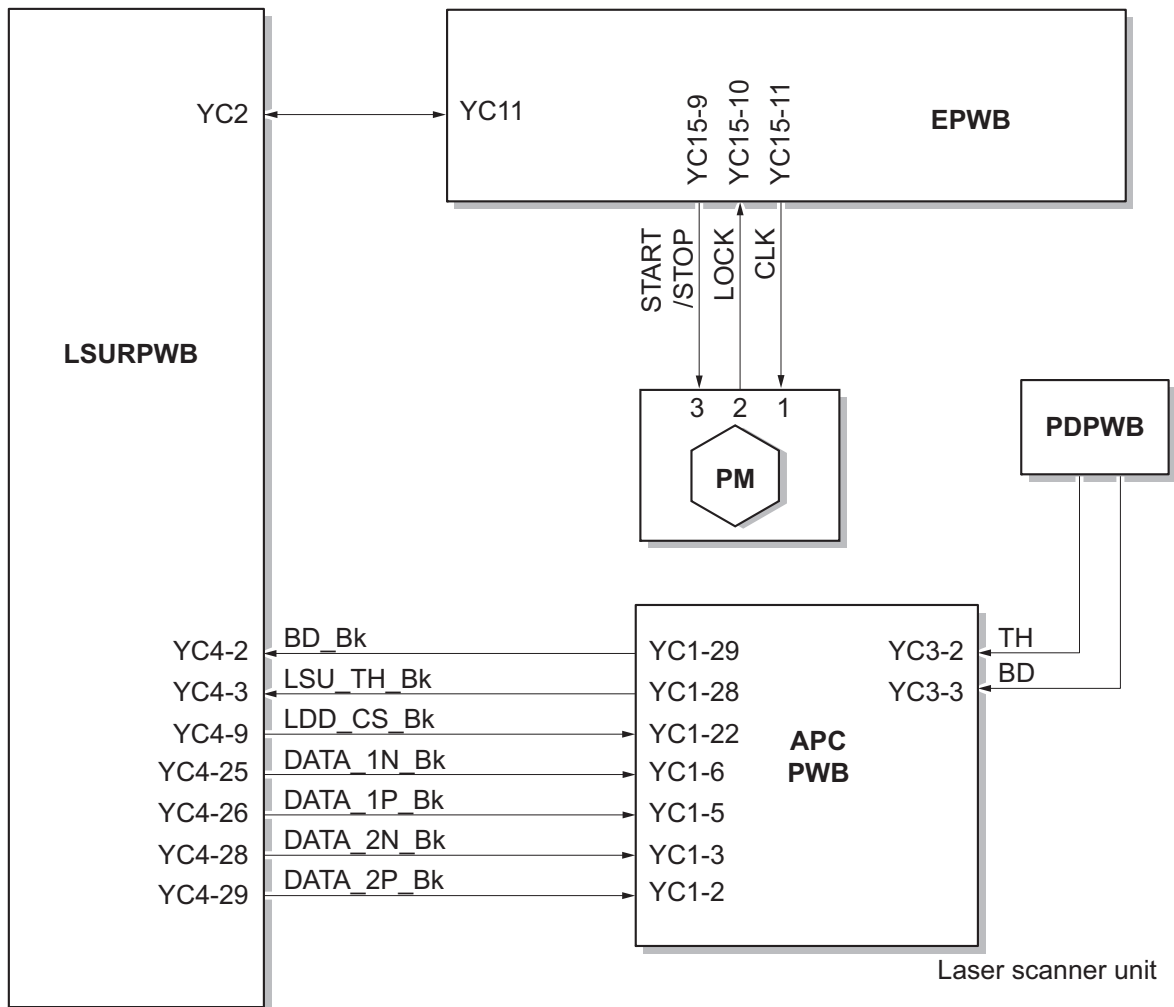


Figure 2-1-19 Laser scanner section block diagram

2-1-5 Transfer/Separation sections

(1) Transfer belt unit section

The transfer belt unit section consists of the transfer belt, transfer roller and the charge erasing brush. To the transfer roller, DC bias is applied from the high voltage PWB (HVPWB). The toner image formed on the drum is transferred to the paper by the potential difference and the paper is discharged with the Charge erasing brush.

Also with the ID sensors (IDS), the toner density on the transfer belt is measured.

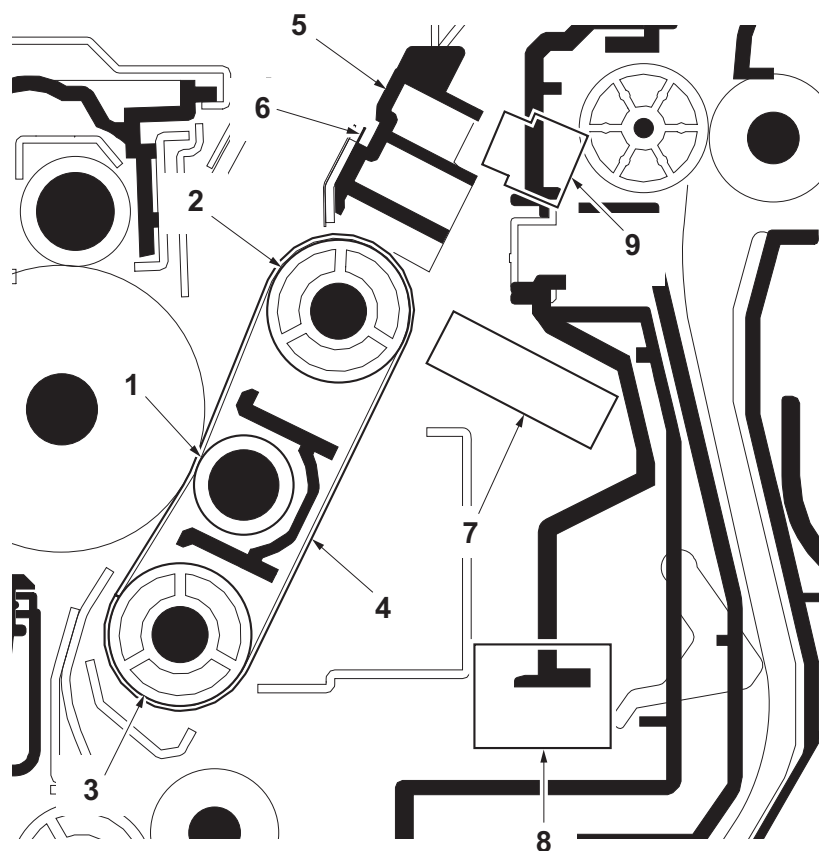


Figure 2-1-20 Transfer belt unit section

- | | |
|------------------------|------------------------------|
| 1. Transfer roller | 6. Charge erasing brush |
| 2. Idle roller | 7. ID sensor (IDS) |
| 3. Drive roller | 8. Cleaning solenoid (CLSOL) |
| 4. Transfer belt | 9. Loop sensor (LPS) |
| 5. Transfer rear guide | |

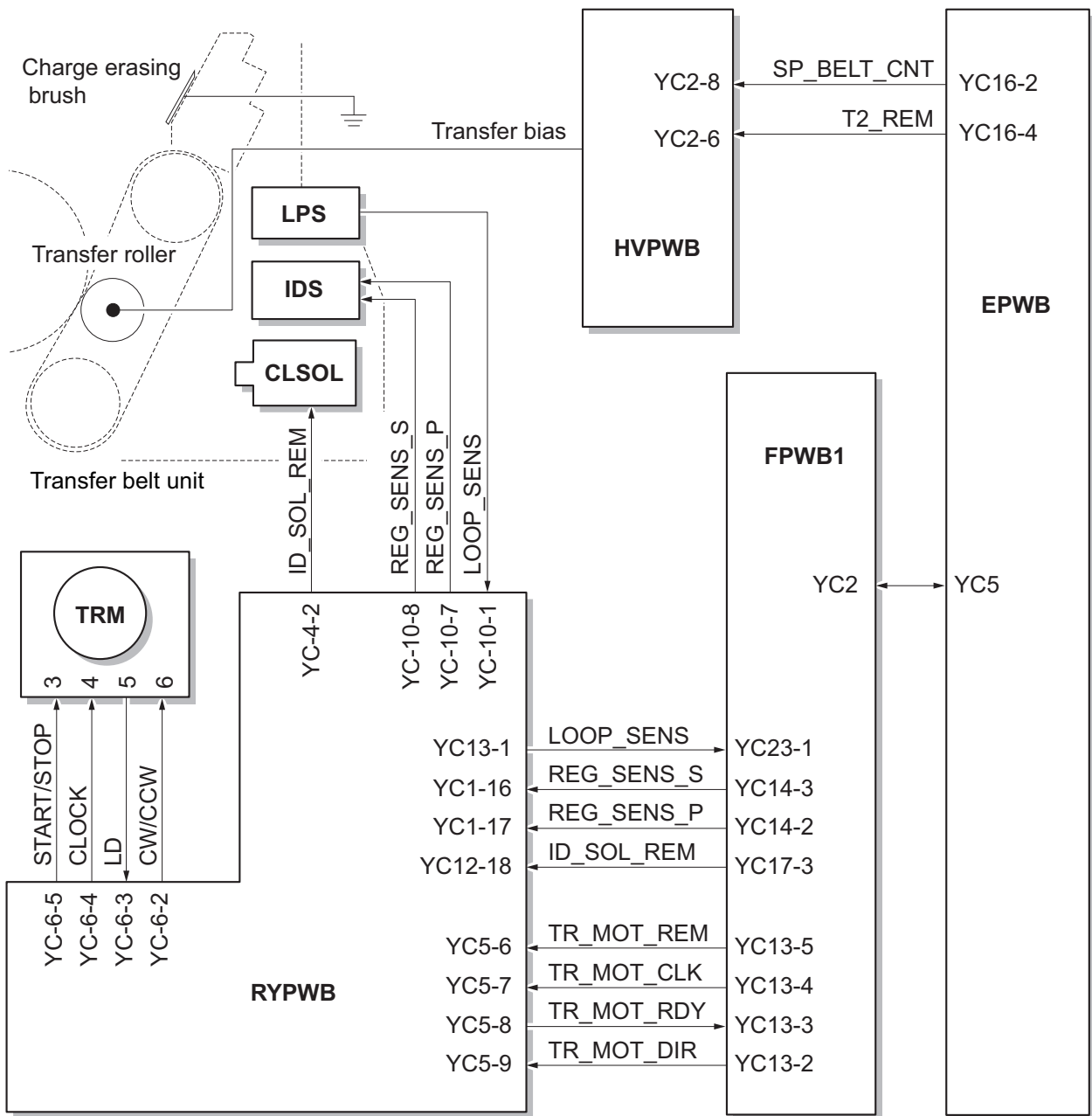


Figure 2-1-21 Transfer belt unit section block diagram

2-1-6 Fuser section

The paper sent from the transfer/separation section is interleaved between the fuser roller and the press roller. The fuser roller is heated by the IH (FIH), the press roller is heated by the fuser heater (FH), and the toner is fused by heat and pressure and fixed onto the paper because the press roller is pressed by the fuser press spring. The surface temperature of fuser roller and press roller are detected by the fuser thermistor (FTH) and controlled by the engine PWB (EPWB).

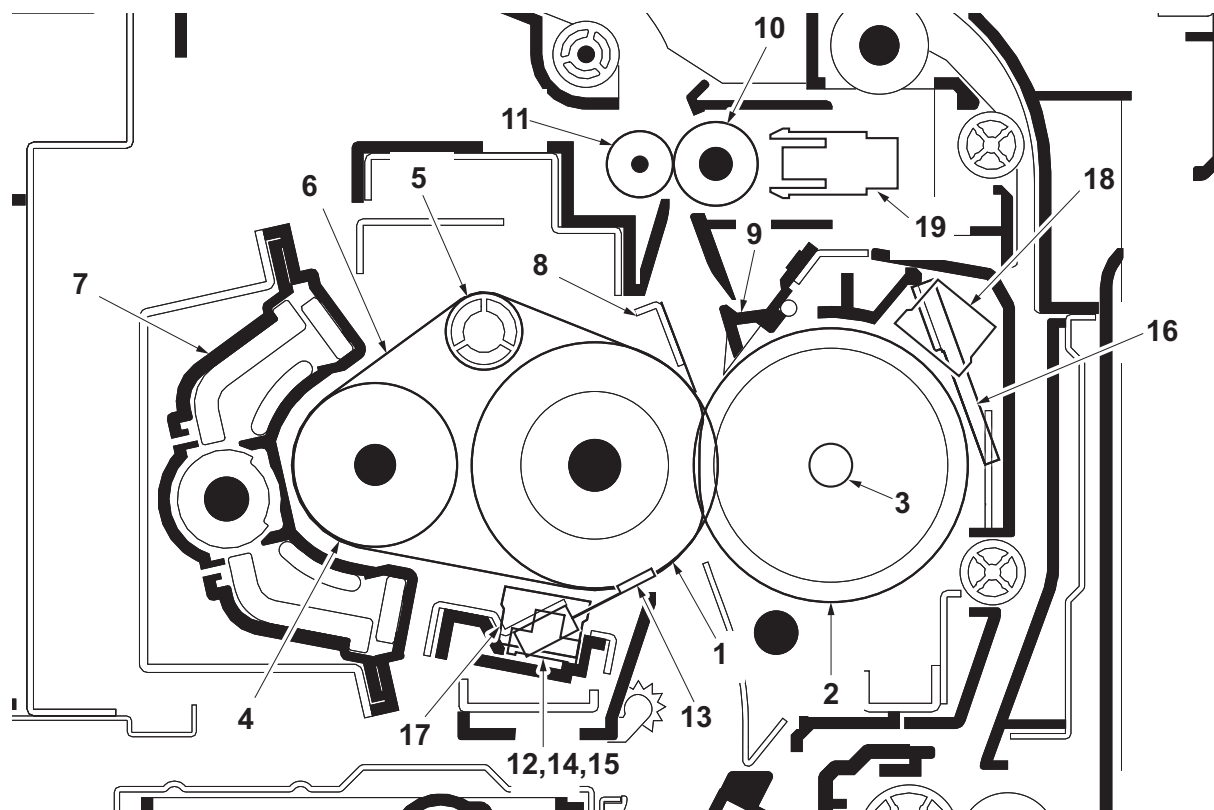


Figure 2-1-22 Fuser section

- | | |
|------------------------|-------------------------------|
| 1. Fuser roller | 11. Fuser eject roller |
| 2. Press roller | 12. Fuser thermistor 1 (FTH1) |
| 3. Fuser heater (FH) | 13. Fuser thermistor 2 (FTH2) |
| 4. Heat roller | 14. Fuser thermistor 3 (FTH3) |
| 5. Belt tension roller | 15. Fuser thermistor 4 (FTH4) |
| 6. Fuser belt | 16. Fuser thermistor 5 (FTH5) |
| 7. Fuser IH | 17. Fuser thermostat 1 (FTH1) |
| 8. Separators1 | 18. Fuser thermostat 2 (FTH2) |
| 9. Separators2 | 19. Fuser eject sensor (FUES) |
| 10. Fuser eject pulley | |

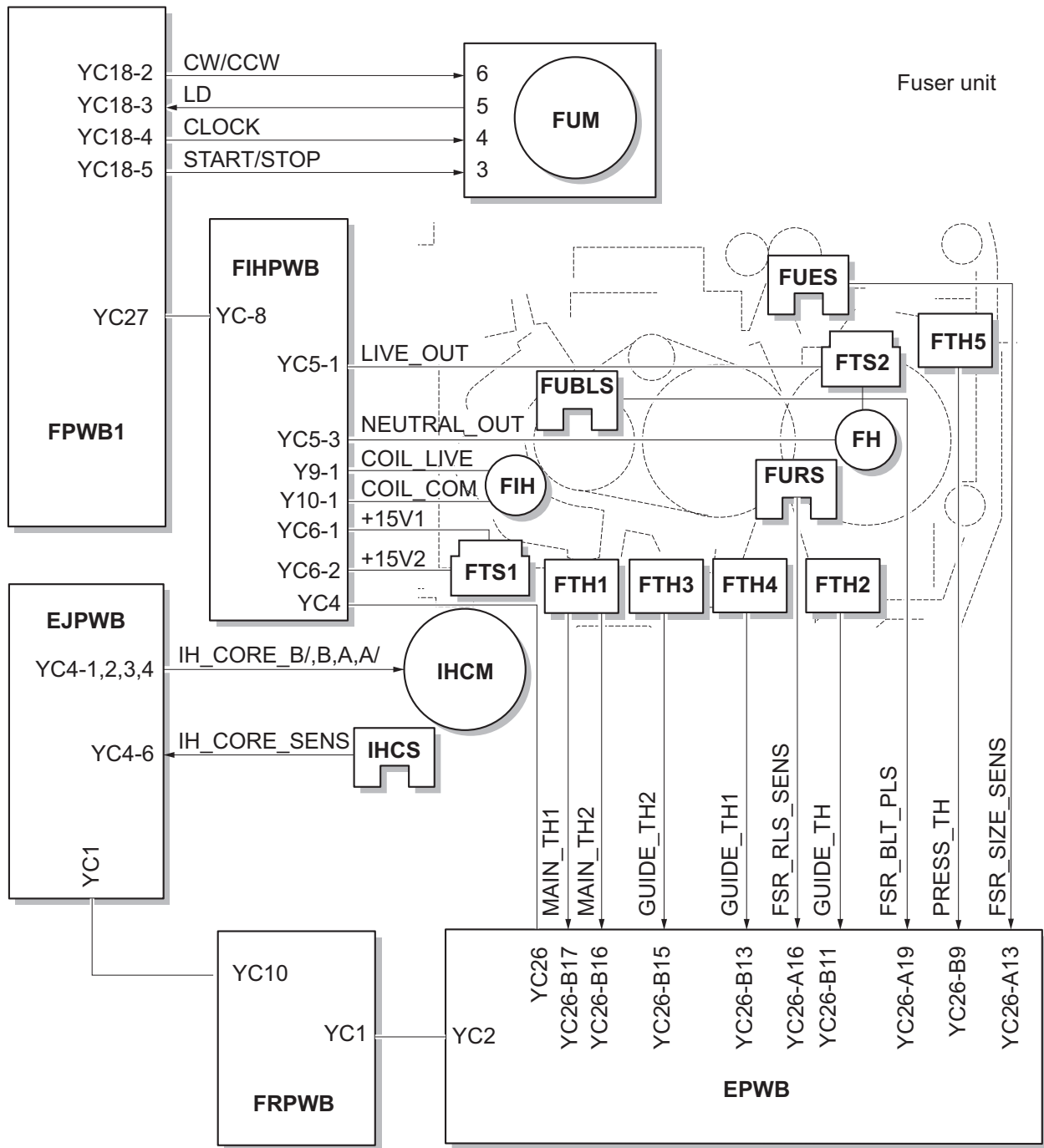


Figure 2-1-23 Fuser section block diagram

2-1-7 Feedshift/switchback sections

The paper feedshift/switchback sections consists of the conveying path which sends the paper that has passed the fuser section to the bridge section, duplex conveying section or job separator.

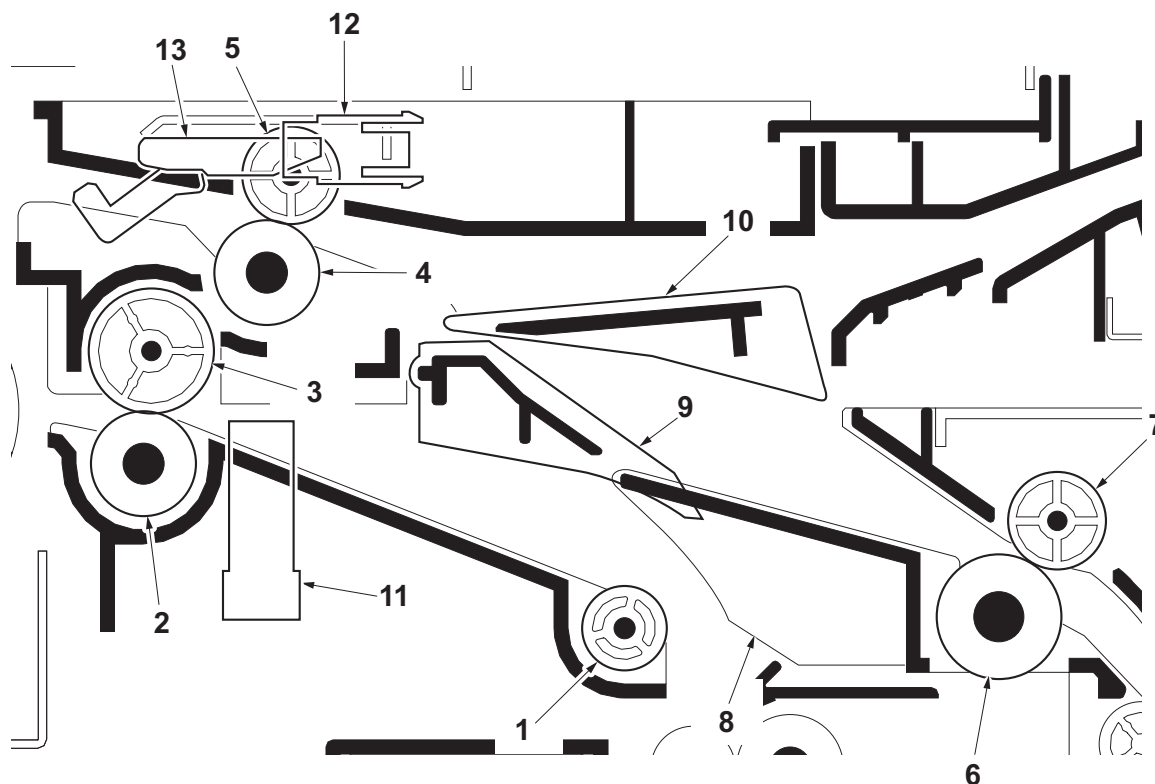


Figure 2-1-24 Feed shift/switchback section

- | | |
|------------------------|----------------------------------|
| 1. Middle pulley | 8. Lower duplex roller |
| 2. Eject roller | 9. Lower change guide |
| 3. Eject pulley | 10. Upper change guide |
| 4. Eject roller B | 11. Eject sensor (ES) |
| 5. Eject pulley B | 12. Switchback sensor (SBS) |
| 6. Upper duplex roller | 13. Actuator (switchback sensor) |
| 7. Duplex pulley | |

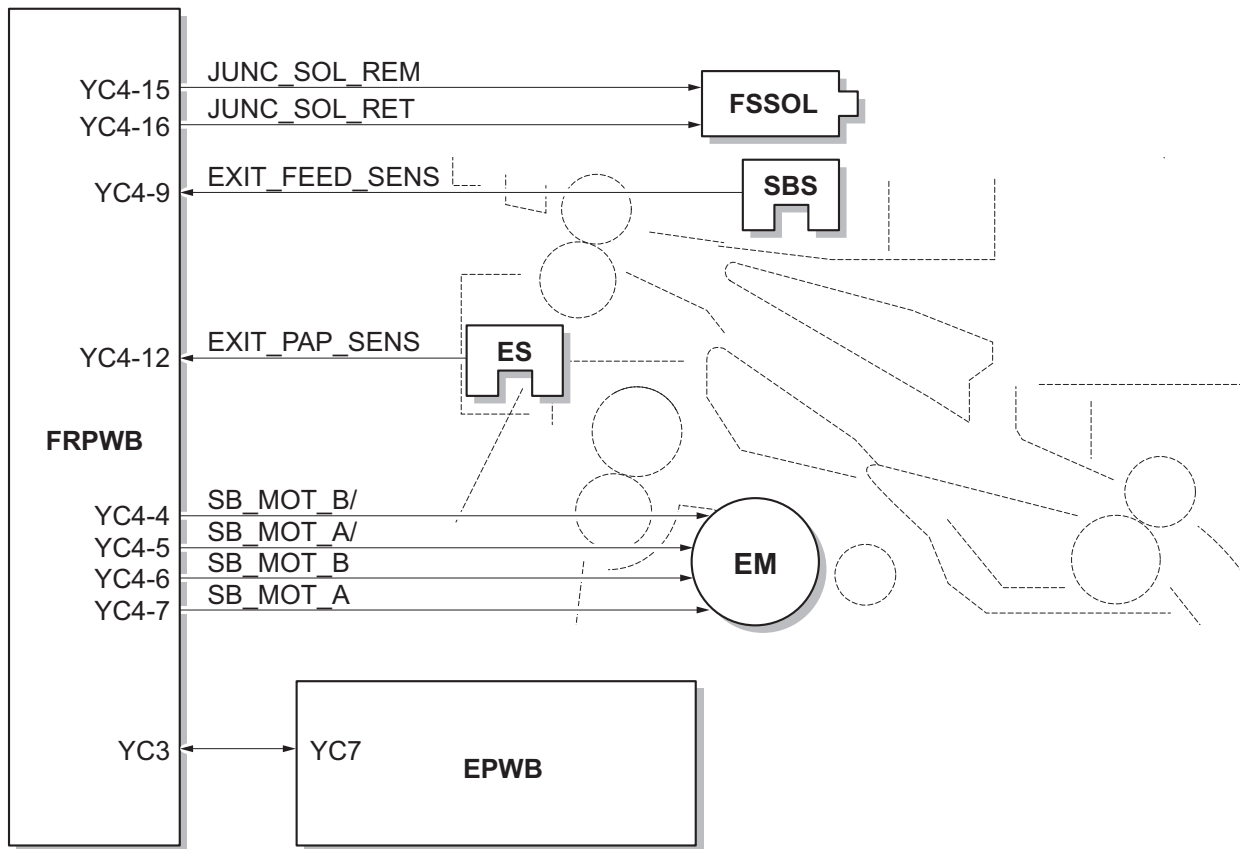


Figure 2-1-25 Feed shift/switchback section block diagram

2-1-8 Bridge section

Bridge section activates the convey roller to deliver the paper, which was sent by the feedshift/switchback section, to the ejection unit after de-curling the paper using the decurler.

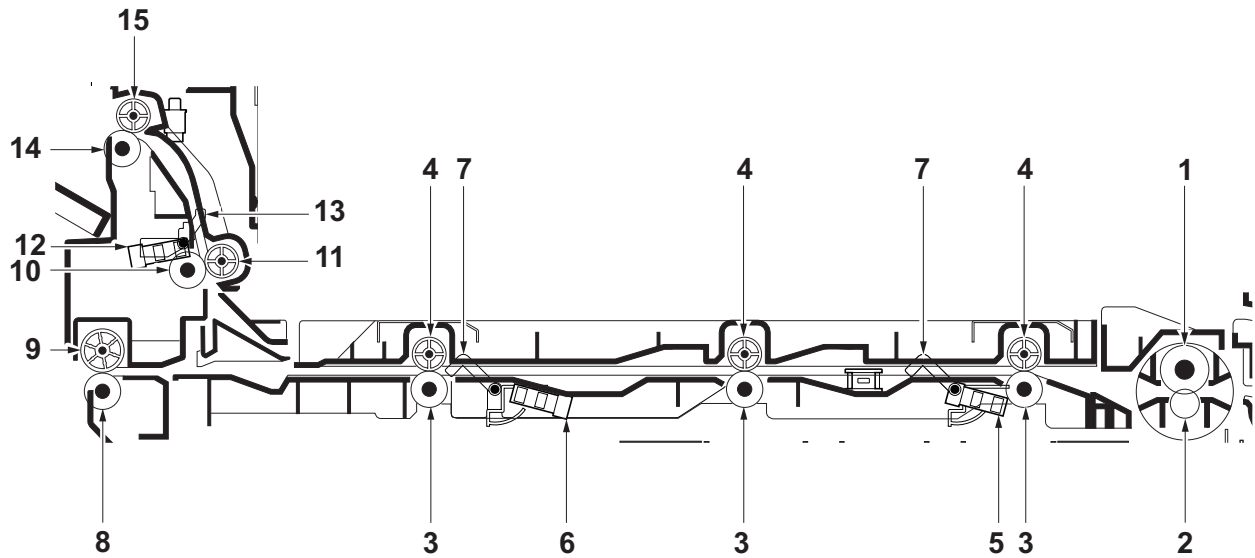


Figure 2-1-26 Bridge section

- | | |
|----------------------------------|-------------------------------|
| 1. BR press roller 1 | 9. BR eject pulley 1 |
| 2. BR press roller 2 | 10. BR feedshift roller |
| 3. BR conveying roller | 11. BR feedshift pulley |
| 4. BR conveying pulley | 12. BR eject sensor (BRES) |
| 5. BR conveying sensor1 (BRCS1) | 13. Actuator(BR eject sensor) |
| 6. BR conveying sensor2 (BRCS2) | 14. BR eject roller 2 |
| 7. Actuator(BR conveying sensor) | 15. BR eject pulley 2 |
| 8. BR eject roller 1 | |

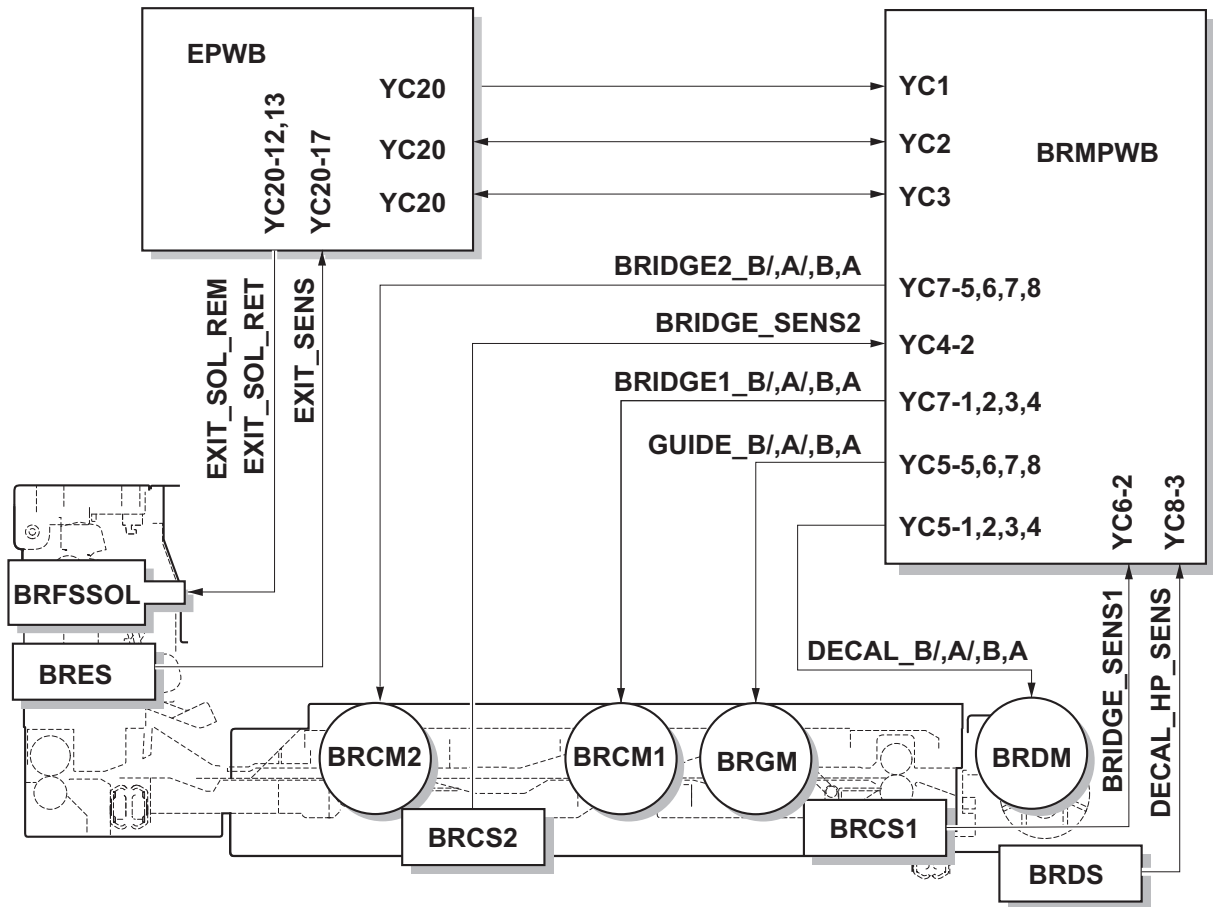


Figure 2-1-27 Bridge section block diagram

2-1-9 Job separator section

The job separator switches the paper path to eject printed paper to the right tray.

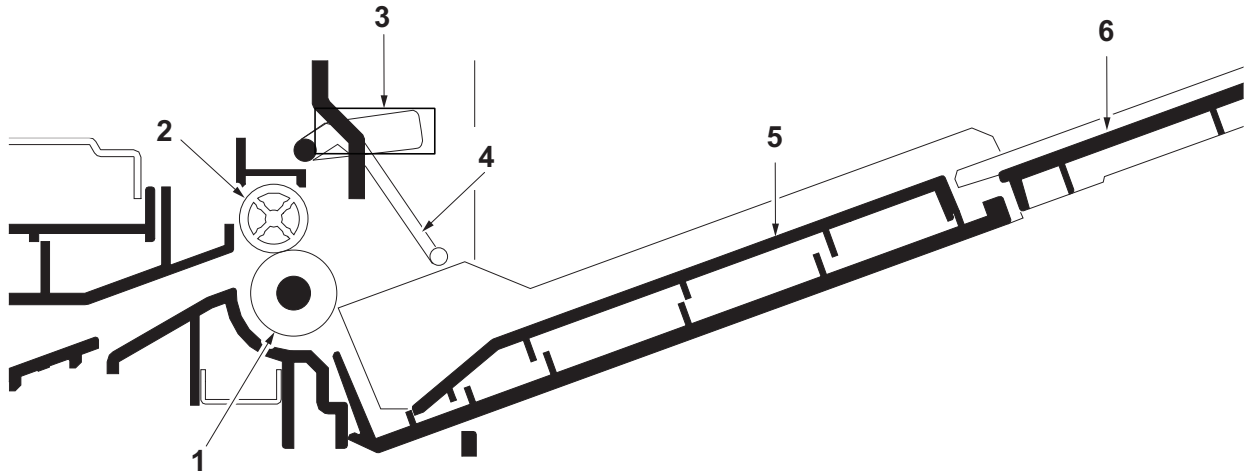


Figure 2-1-28 Job separator section

1. JS eject roller
2. JS eject pulleys
3. JS eject sensor (JSES)
4. Actuator (JS eject sensor)
5. Right tray
6. Tray extension

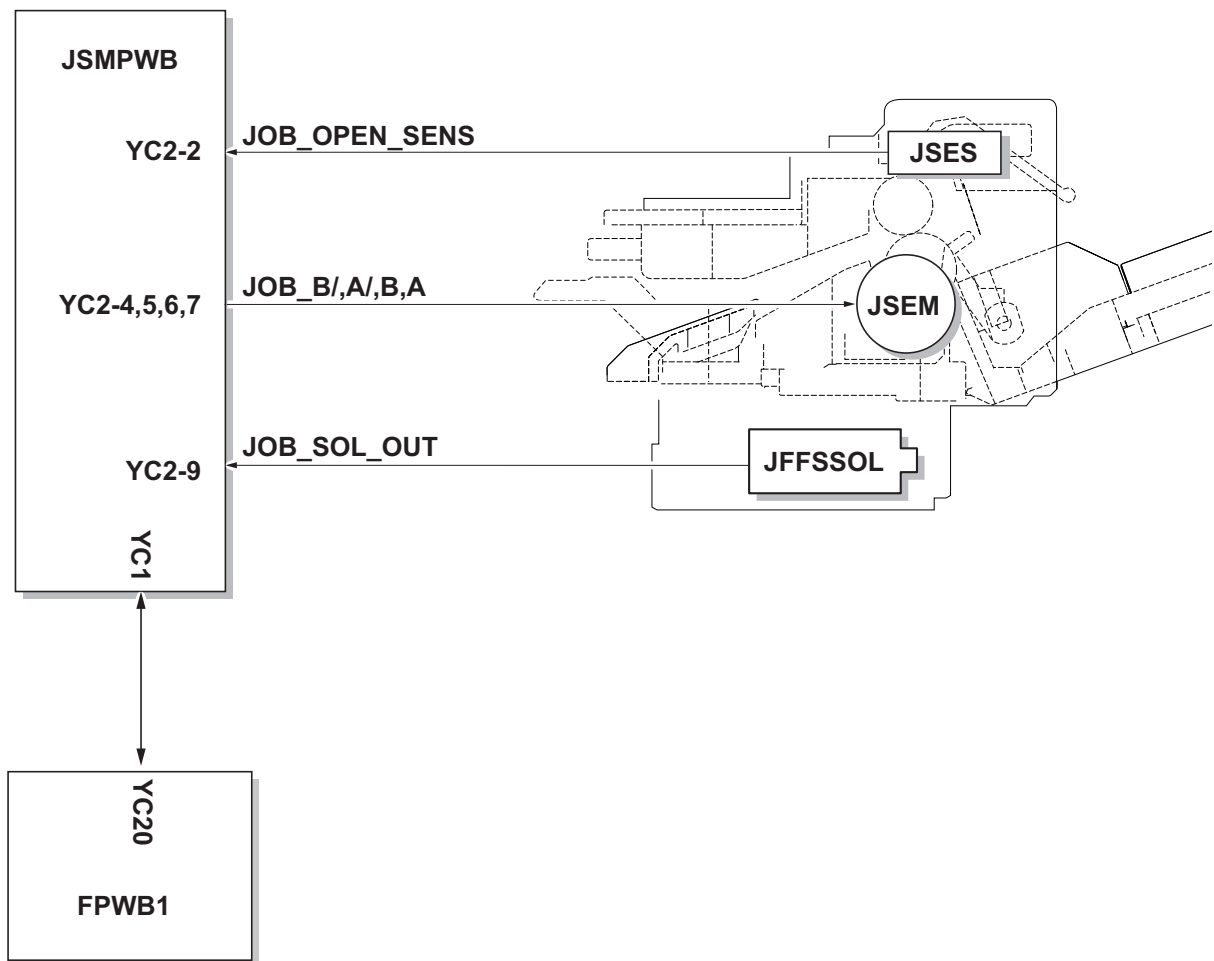


Figure 2-1-29 Job separator section block diagram

2-1-10 Duplex conveying section

The duplex conveying section consists of conveying path which sends the paper sent from the feedshift/switchback section to the paper feed/conveying section when duplex printing.

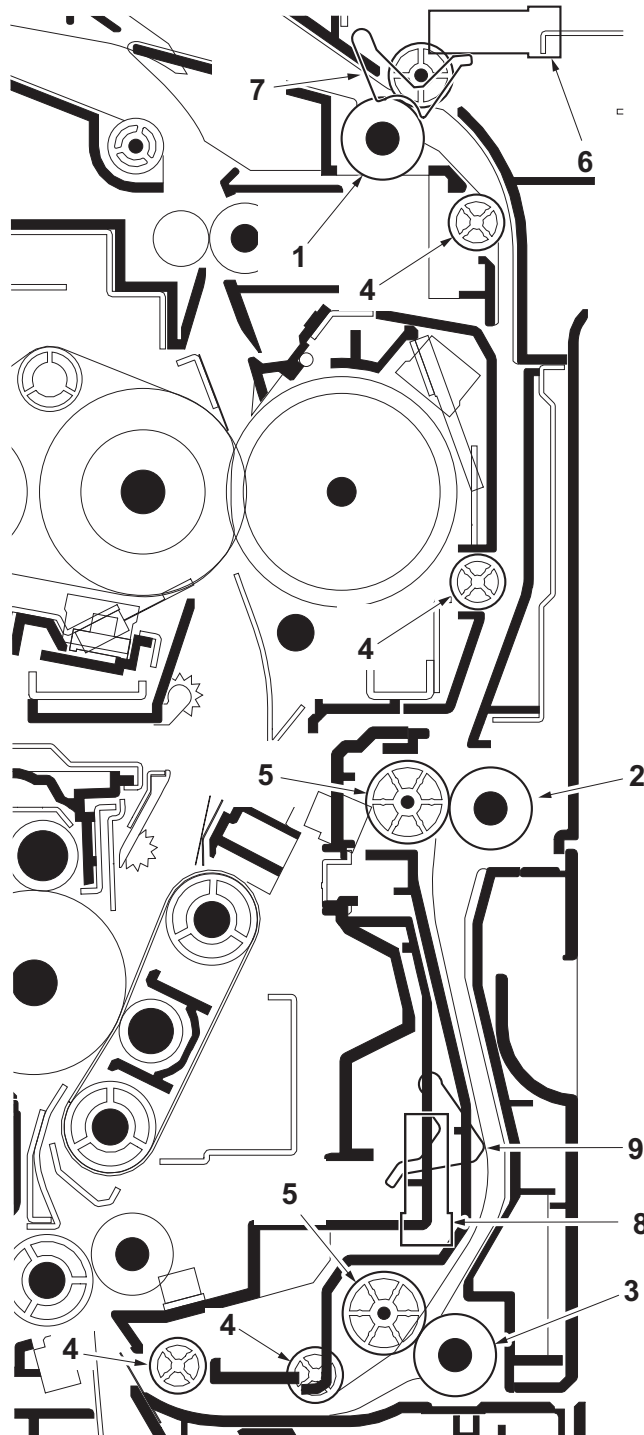


Figure 2-1-30 Duplex conveying section

- | | |
|-------------------------|-------------------------------|
| 1. Upper duplex roller | 6. Duplex sensor 1 (DUS1) |
| 2. Middle duplex roller | 7. Actuator (duplex sensor 1) |
| 3. Lower duplex roller | 8. Duplex sensor 2 (DUS2) |
| 4. Duplex pulleys A | 9. Actuator (duplex sensor 2) |
| 5. Duplex pulleys B | |

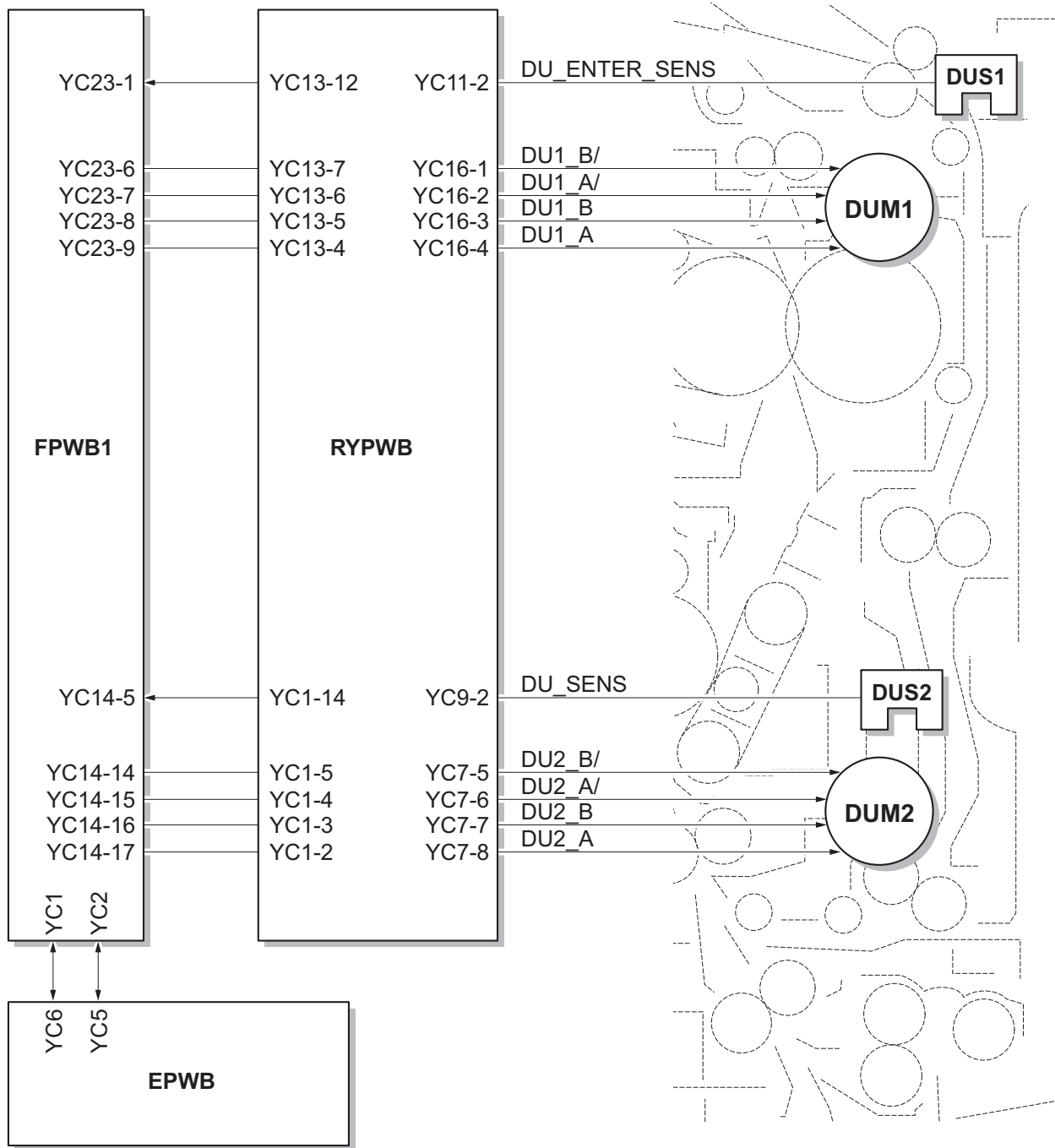


Figure 2-1-31 Duplex conveying section block diagram

2-1-11 Document processor

(1) Original feed section

The original feed section consists of the parts shown in figure. An original placed on the original table is conveyed to the original conveying section. Original is fed by the rotation of the DP forwarding pulley and DP original feed belt. The DP separation pulley prevents multiple sheets from being fed at one time, via the torque limiter. The DP multi feed sensor acts to detect that more than one sheet is fed.

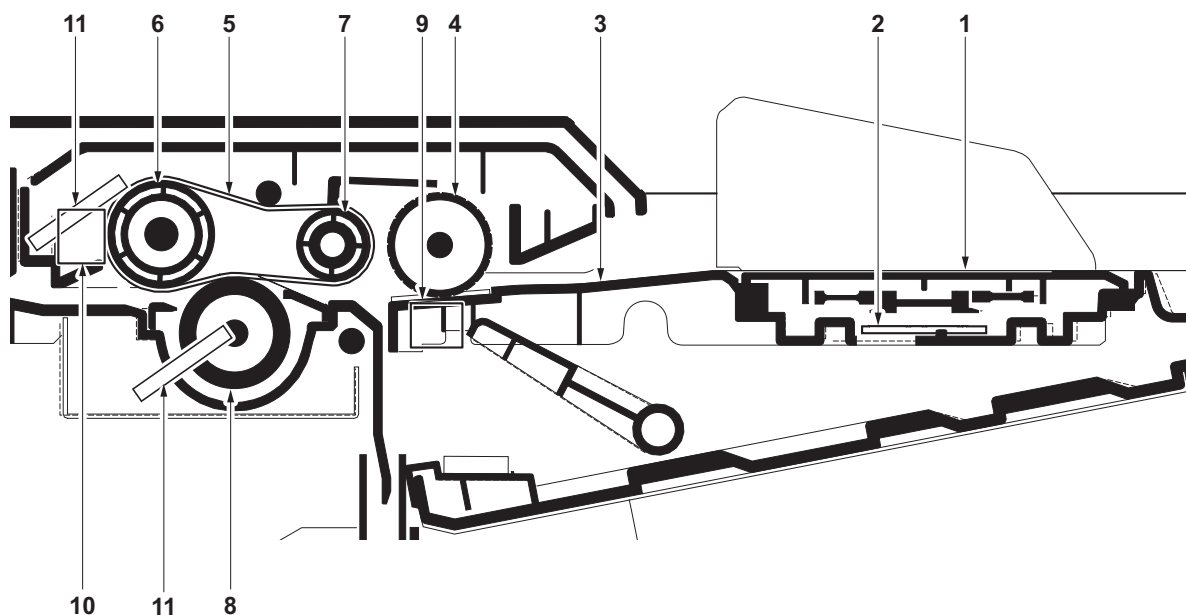


Figure 2-1-32 Original feed section

- | | |
|--------------------------------------|----------------------------------|
| 1. Original tray | 6. DP feed collar A |
| 2. DP original width switch (DPOWSW) | 7. DP feed collar B |
| 3. Original lift guide | 8. DP separation pulley |
| 4. DP forwarding pulley | 9. DP original sensor (DPOS) |
| 5. DP feed belt | 10. DP feed sensor (DPFS) |
| | 11. DP multi feed sensor (DPMFS) |

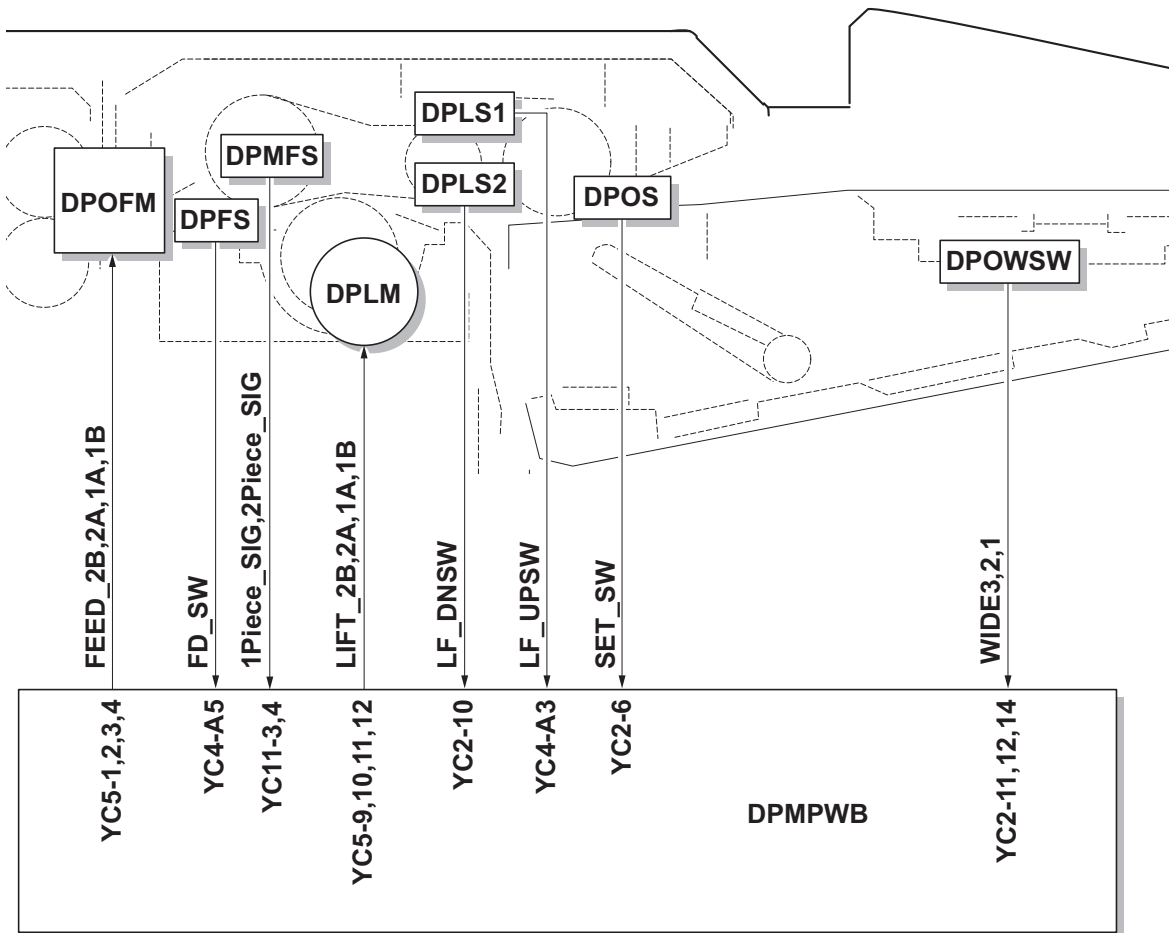


Figure 2-1-33 Original feed section block diagram

(2) Original conveying section

The original conveying section consists of the parts shown in figure. A conveyed original is scanned by the optical section (CCD) of machine when it passes through the slit glass of machine.

An original of which scanning is complete is ejected to the original eject table by the eject roller.

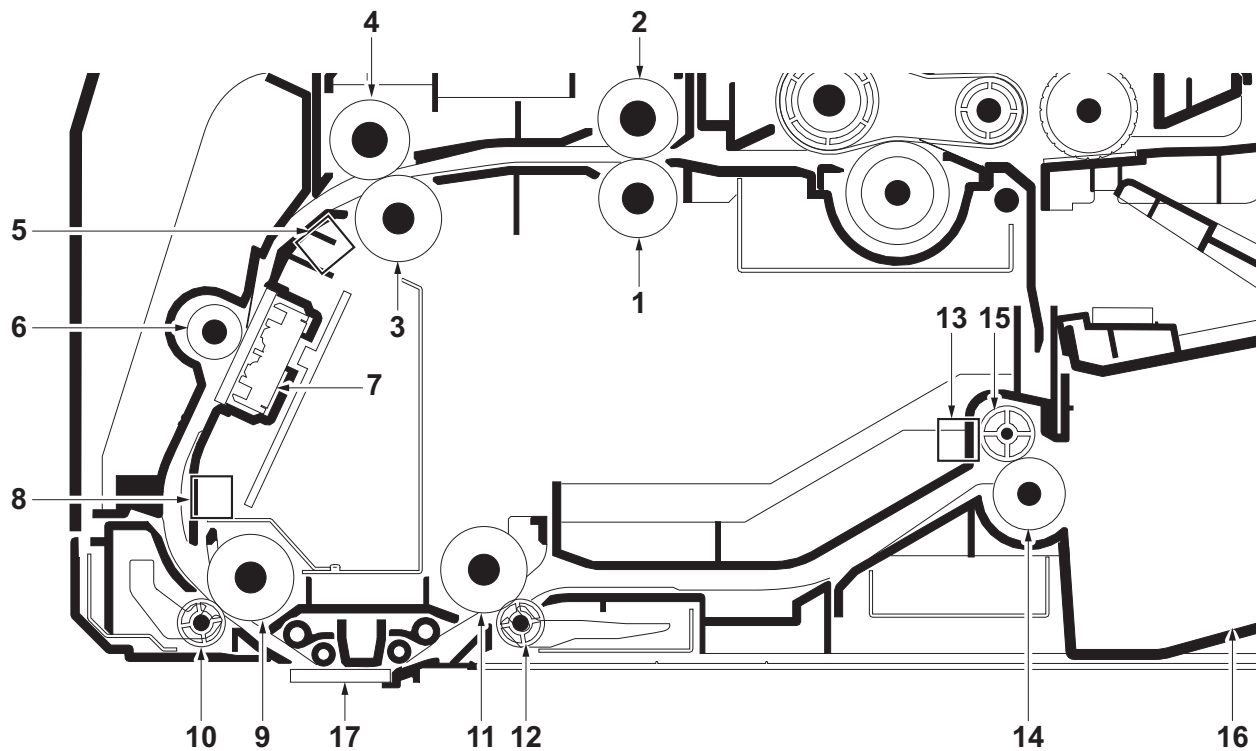


Figure 2-1-34 Original conveying section

- | | |
|------------------------------|------------------------------------|
| (1)DP registration roller | (10)DP conveying pulley |
| (2)DP registration pulley | (11)DP right conveying roller |
| (3)DP upper conveying roller | (12)DP conveying pulley |
| (4)DP conveying pulley | (13)DP eject sensor (DPES) |
| (5)DP CIS sensor (DPCS) | (14)DP eject roller |
| (6)DP CIS roller | (15)DP eject pulley |
| (7)CIS | (16)Original eject table |
| (8)DP timing sensor (DPTS) | (17)Slit glass (machine main body) |
| (9)DP left conveying roller | |

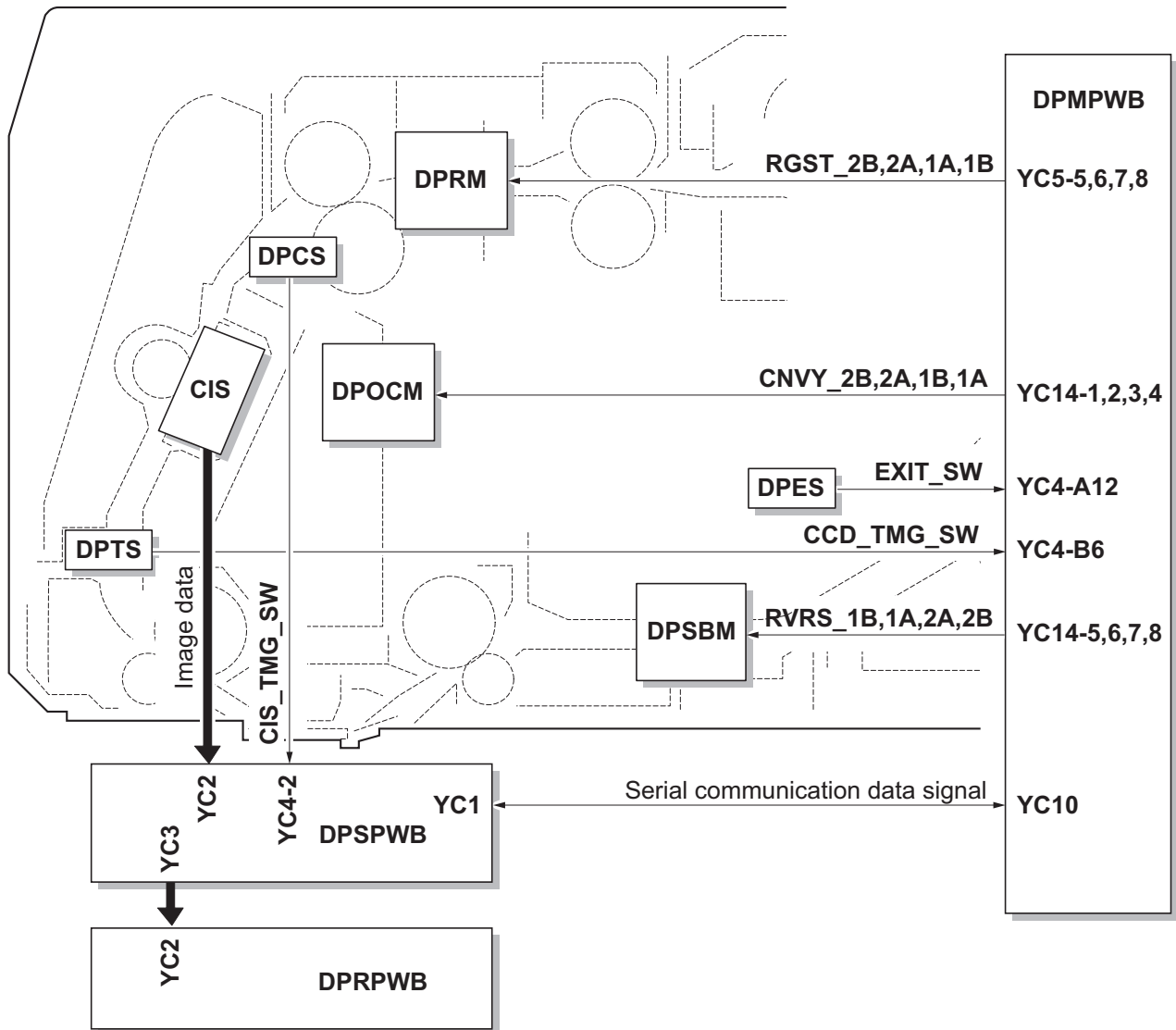


Figure 2-1-35 Original conveying section block diagram

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2-2-1 Electrical parts layout

(1) PWBs

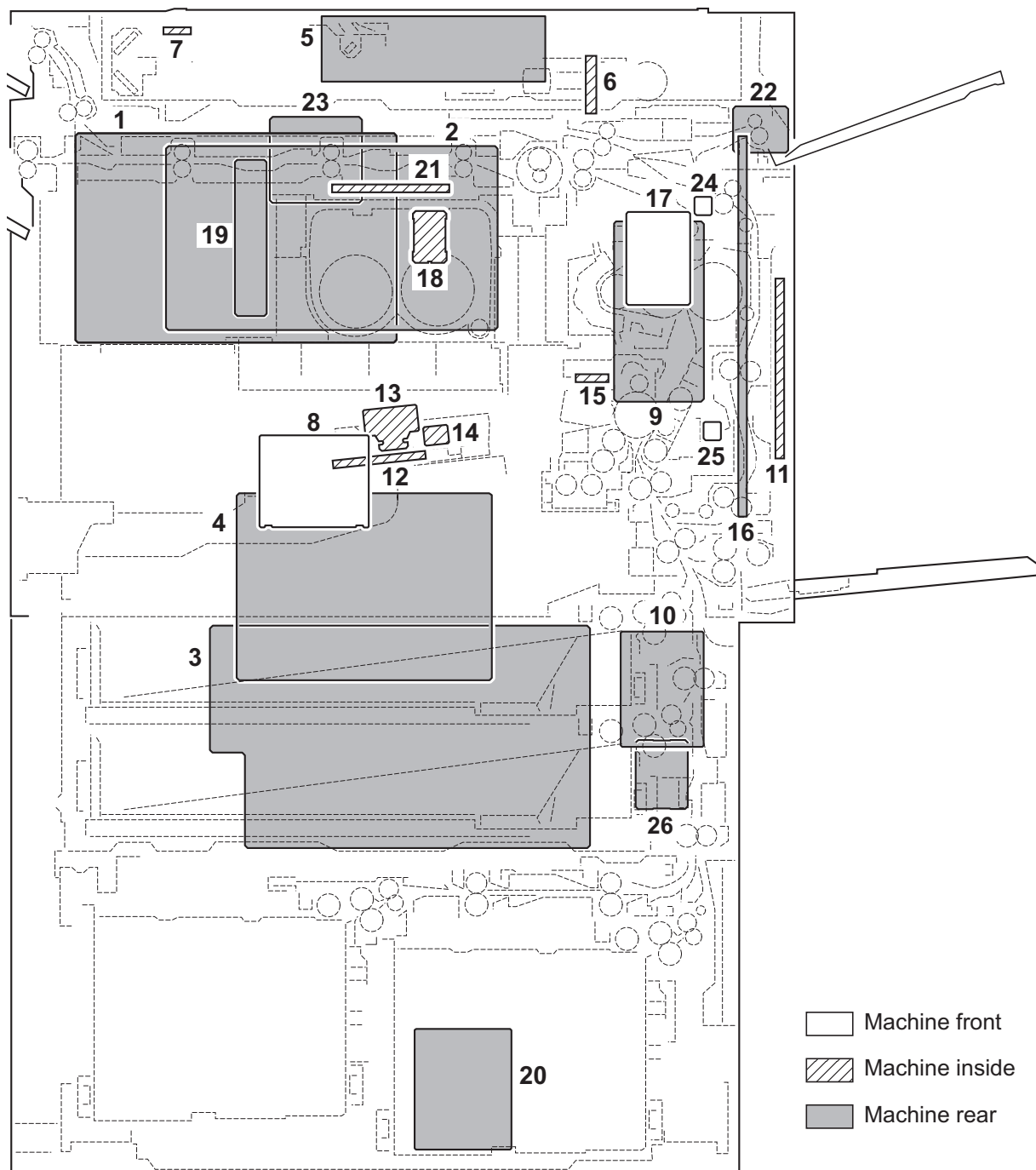


Figure 2-2-1 PWBs

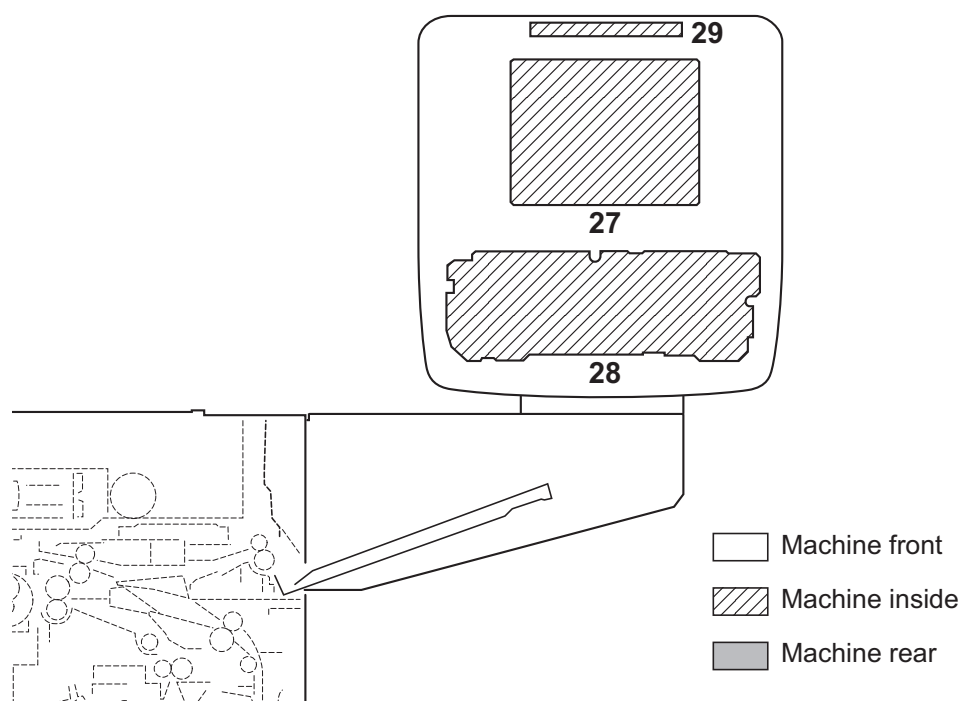


Figure 2-2-2 PWBs (operation section)

- | | |
|-----------------------------------|---|
| 1. Main PWB (MPWB) | Controls the software such as the print data processing and provides the interface with computers. |
| 2. Engine PWB (EPWB)..... | Controls printer hardware such as high voltage/bias output control, paper conveying system control, and fuser temperature control, etc. |
| 3. Power source PWB (PSPWB) | After full-wave rectification of AC power source input, switching for converting to 24 V DC and 12 V DC for output. |
| 4. High voltage PWB (HVPWB) | Generates main charging, developer bias, transfer bias and separation bias. |
| 5. ISC PWB (ISCPWB) | Controls the scanner section. |
| 6. CCD PWB (CCDPWB)..... | Reads the image of originals. |
| 7. LED lamp PWB (LLPWB) | Exposes originals. |
| 8. Front PWB (FRPWB) | Consists of wiring relay circuit between engine PWB and drum units, developer units, eject unit. |
| 9. Feed PWB 1 (FPWB1)..... | Consists of wiring relay circuit between engine PWB and drive section, relay PWB. |
| 10. Feed PWB 2 (FPWB2)..... | Consists of wiring relay circuit between engine PWB and paper conveying section, drive section. |
| 11. Relay PWB (RPWB) | Consists of wiring relay circuit between feed PWB 1 and paper conveying unit. |
| 12. LSU relay PWB (LSURPWB)..... | Consists of wiring relay circuit between engine PWB and laser scanner unit. |
| 13. APC PWB (APCPWB) | Generates and controls the laser beam. |
| 14. PD PWB (PDPWB) | Controls horizontal synchronizing timing of laser beam. |
| 15. Drum PWB(DRPWB) | Drum individual information in EEPROM storage. |
| 16. Fuser IH PWB (FIHPWB)..... | Controls the fuser IH and fuser heater. |
| 17. Eject PWB (EJPWB)..... | Consists of wiring relay circuit between front PWB and fuser IH section. |

- 18. RFID PWB (RFPWB) Reads the container information.
- 19. Interface PWB (IFPWB) Consists of wiring relay circuits between main PWB and Fax control PWB.
- 20. PF main PWB (PFMPWB) Controls electrical parts of the large capacity feeder.
- 21. BR main PWB (BRMPWB) Controls electrical parts of the bridge section.
- 22. JS main PWB (JSMPWB) Controls electrical parts of the job separator.
- 23. DP relay PWB (DPRPWB)..... Relay of image data.
- 24. LED PWB 1 (LEDPWB1) Controls LED indication.
- 25. LED PWB 2 (LEDPWB2) Controls LED indication.
- 26. Current PWB (CRPWB)* Converts the AC current input to the analog signal and delivers.
- 27. Operation PWB 1 (OPWB1)..... Controls touch panel and LCD indication.
- 28. Operation PWB 2 (OPWB2)..... Consists of the LED indicators and key switches.
- 29. Operation PWB 3 (OPWB3)..... Consists of the LED indicators.

*: 220 to 240 V specifications only.

List of correspondences of PWB names

No.	Name used in service manual	Name used in parts list
1	Main PWB (MPWB)	PARTS PWB MAIN ASSY SP
2	Engine PWB (EPWB)	PARTS PWB ENGINE ASSY SP
3	Power source PWB (PSPWB)	PARTS UNIT LOW VOLTAGE SP
4	High voltage PWB (HVPWB)	PARTS UNIT HIGH VOLTAGE MAIN SP
5	ISC PWB (ISCPWB)	PARTS PWB ISC ASSY SP
6	CCD PWB (CCDPWB)	-
7	LED lamp PWB (LLPWB)	-
8	Front PWB (FRPWB)	PARTS PWB FRONT MONO ASSY SP
9	Feed PWB 1 (FPWB1)	PARTS PWB FEED 1 ASSY SP
10	Feed PWB 2 (FPWB2)	PARTS PWB FEED 2 ASSY SP
11	Relay PWB (RPWB)	PARTS PWB JUNCTION ASSY SP
12	LSU relay PWB (LSURPWB)	PARTS PWB LSU JUNC MONO ASSY SP
13	APC PWB (APCPWB)	-
14	PD PWB (PDPWB)	-
15	Drum PWB (DRPWB)	-
16	Fuser IH PWB (FIHPWB)	-
17	Eject PWB (EJPWB)	PARTS PWB EXIT ASSY SP
18	RFID PWB (RFPWB)	PARTS PWB RFID ASSY SP
19	Interface PWB (IFPWB)	PARTS PWB KUIO ASSY SP
20	PF main PWB (PFMPWB)	PARTS PWB FRONT DECK ASSY SP
21	BR main PWB (BRMPWB)	PARTS PWB BRIDGE ASSY SP
22	JS main PWB (JSMPWB)	PARTS PWB JOB SEPA ASSY SP
23	DP relay PWB (DPRPWB)	PARTS PWB DPIF ASSY SP
24	LED PWB 1 (LEDPWB1)	PARTS MOUNT LED UNIT SP
25	LED PWB 2 (LEDPWB2)	PARTS MOUNT LED UNIT SP
26	Current PWB (CRPWB)	PARTS PWB CURRENT AVE ASSY SP
27	Operation PWB 1 (OPWB1)	PARTS PWB PANEL MAIN ASSY J SP
28	Operation PWB 2 (OPWB2)	PARTS PWB OPERATION ASSY SP
29	Operation PWB 3 (OPWB3)	PARTS PWB OPERATION LED ASSY SP

(2) Switches and sensors

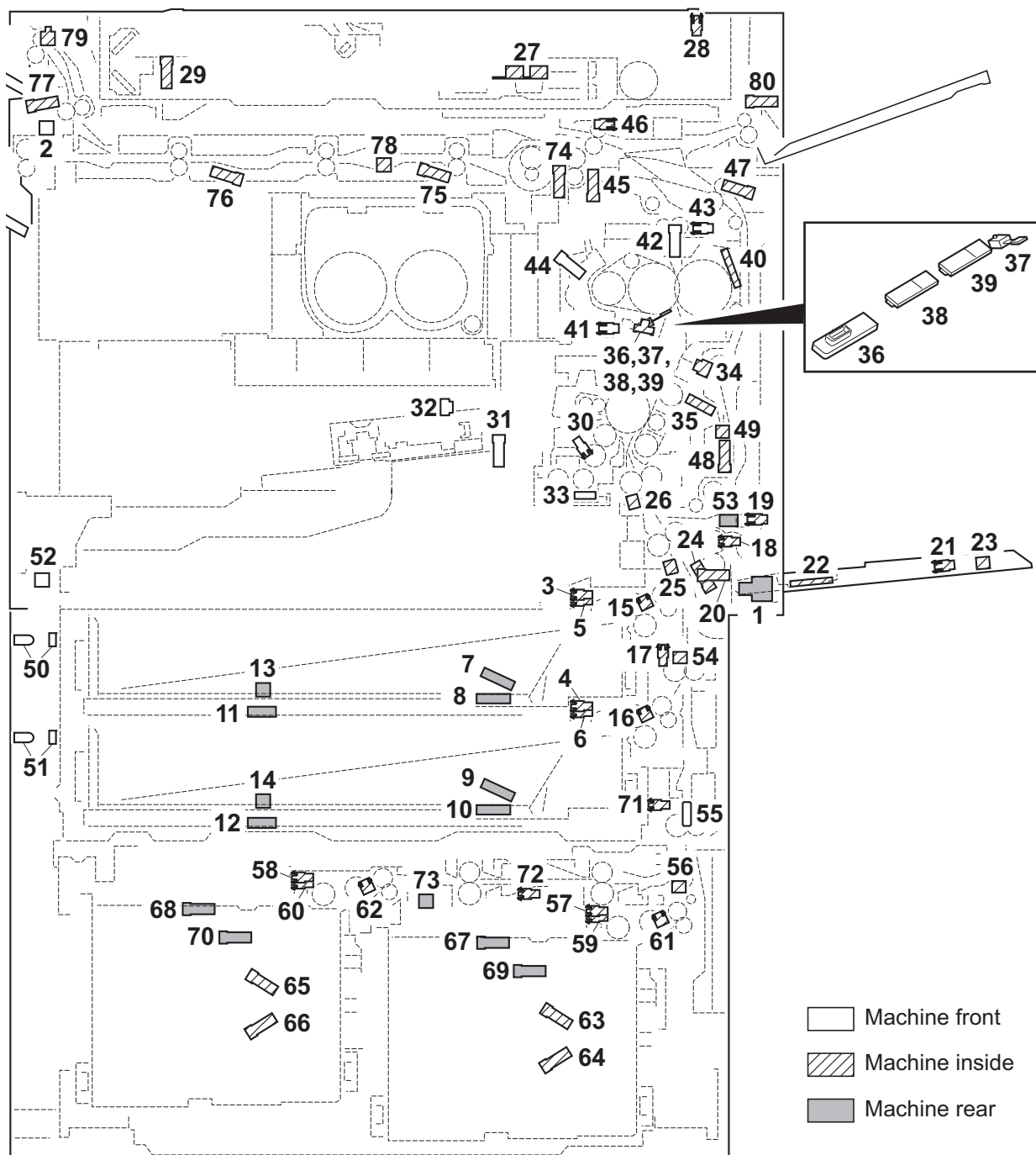


Figure 2-2-3 Switches and sensors

- 1. Main power switch (MSW) Turns ON/OFF the AC power source.
- 2. Front cover switch (FRCSW) Detects the opening and closing of the front cover.
- 3. Paper sensor 1 (PS1) Detects the presence of paper (cassette 1).
- 4. Paper sensor 2 (PS2) Detects the presence of paper (cassette 2).
- 5. Lift sensor 1 (LS1)..... Detects activation of upper limit of the bottom plate (cassette 1).
- 6. Lift sensor 2 (LS2)..... Detects activation of upper limit of the bottom plate (cassette 2).
- 7. Paper gauge sensor 1 (U) (PGS1(U))... Detects the paper gauge (cassette 1).
- 8. Paper gauge sensor 1 (L) (PGS1(L)).... Detects the paper gauge (cassette 1).
- 9. Paper gauge sensor 2 (U) (PGS2(U))... Detects the paper gauge (cassette 2).

10. Paper gauge sensor 2 (L) (PGS2(L)).... Detects the paper gauge (cassette 2).
11. Paper length switch 1 (PLSW1) Detects the length of paper (cassette 1).
12. Paper length switch 2 (PLSW2) Detects the length of paper (cassette 2).
13. Paper width switch 1 (PWSW1) Detects the width of paper (cassette 1).
14. Paper width switch 2 (PWSW2) Detects the width of paper (cassette 2).
15. Feed sensor 1 (FS1) Detects a paper misfeed in the paper feed section (cassette 1).
16. Feed sensor 2 (FS2) Detects a paper misfeed in the paper feed section (cassette 2).
17. Paper conveying sensor (PCS)..... Detects a paper misfeed in the vertical conveying section.
18. MP paper sensor (MPPS) Detects the presence of paper (MP tray).
19. MP lift sensor 1 (MPLS1) Detects activation of upper limit of the MP plate.
20. MP lift sensor 2 (MPLS2) Detects activation of lower limit of the MP plate.
21. MP paper length switch (MPPLSW)..... Detects the length of paper (MP tray).
22. MP paper width switch (MPPWSW)..... Detects the width of paper (MP tray).
23. MP tray switch (MPTSW)..... Detects the MP tray extension is extend.
24. MP feed sensor (MPFS) Detects a paper misfeed in the MP paper feed section.
25. Middle sensor (MS)..... Detects a paper misfeed in the paper conveying section.
26. Registration sensor (RS)..... Controls the secondary paper feed start timing.
27. Original size sensor (OSS) Detects the size of the original.
28. Original detection switch (ODSW) Detects the opening/closing of the document processor.
29. Home position sensor (HPS) Detects the optical system in the home position.
30. Screw sensor (SRS) Controls the toner replenishing for the toner container.
31. Developer shutter sensor (DEVSS) Detects the opening and closing of the developer shutter.
32. Toner hopper sensor (THS) Detects the quantity of toner in a toner hopper.
33. Toner sensor (TS) Detects the toner density in the developer unit.
34. Loop sensor (LPS) Detects a paper misfeed. Controls the fuser motor by detecting deflection in the paper.
35. ID sensor (IDS) Measures image density for calibration.
36. Fuser thermistor 1 (FTH1) Detects the heat roller (fuser belt) temperature.
37. Fuser thermistor 2 (FTH2) Detects the heat roller (fuser belt) temperature.
38. Fuser thermistor 3 (FTH3) Detects the heat roller (fuser belt) temperature.
39. Fuser thermistor 4 (FTH4) Detects the heat roller (fuser belt) temperature.
40. Fuser thermistor 5 (FTH5) Detects the press roller temperature.
41. Fuser belt sensor (FUBLS) Detects positioning of fuser belt rotation.
42. Fuser release sensor (FURS) Detects fuser pressure release setting (envelope mode).
43. Fuser eject sensor (FUES) Detects a paper misfeed in the fuser section.
44. IH core sensor (IHCS)..... Detects position of the IH center core.
45. Eject sensor (ES)..... Detects a paper misfeed in the feedshift section.
46. Switchback sensor (SBS) Detects a paper misfeed in the switchback section.
47. Duplex sensor 1 (DUS1) Detects a paper misfeed in the duplex section.
48. Duplex sensor 2 (DUS2) Detects a paper misfeed in the duplex section.
49. Duplex cover switch (DUCSW) Detects the opening and closing of the duplex cover.
50. Waste toner sensor 1 (WTS1)..... Detects when the waste toner box is full.
51. Waste toner sensor 2 (WTS2)..... Detects when the waste toner box is near end.
52. Waste toner detection switch
(WTDSW)..... Detects the waste toner box is installed.
53. Paper conveying unit switch
(PCUSW) Detects the opening and closing of the paper conveying unit.
54. Paper conveying cover switch
(DUCSW) Detects the opening and closing of the paper conveying cover.
55. Outer temperature sensor
(OTEMS)..... Detects the outside temperature and humidity.
56. PF paper conveying cover switch
(PFPCCSW)..... Detects the opening and closing of the PF paper conveying cover.
57. PF paper sensor 1 (PFPS1)..... Detects the presence of paper (cassette 3).

58. PF paper sensor 2 (PFPS2)..... Detects the presence of paper (cassette 4).
59. PF lift sensor 1 (PFLS1)..... Detects activation of upper limit of the bottom plate (cassette 3).
60. PF lift sensor 2 (PFLS2)..... Detects activation of upper limit of the bottom plate (cassette 4).
61. PF feed sensor 1 (PFFS1)..... Detect paper jams of paper feed section (cassette 3).
62. PF feed sensor 2 (PFFS2)..... Detect paper jams of paper feed section (cassette 4).
63. PF paper gauge sensor 1 upper
(PFPGS1(U))..... Detects the paper gauge (cassette 3).
64. PF paper gauge sensor 1 lower
(PFPGS1(L))..... Detects the paper gauge (cassette 3).
65. PF paper gauge sensor 2 upper
(PFPGS2(U))..... Detects the paper gauge (cassette 4).
66. PF paper gauge sensor 2 lower
(PFPGS2(L))..... Detects the paper gauge (cassette 4).
67. PF paper size detection switch 1
(PFSDSW1)..... Detects the size of paper (cassette 3).
68. PF paper size detection switch 2
(PFSDSW2)..... Detects the size of paper (cassette 4).
69. PF cassette detection switch 1
(PFCDSW1)..... Detects the presence of cassette 3.
70. PF cassette detection switch 2
(PFCDSW2)..... Detects the presence of cassette 4.
71. PF paper conveying sensor 1
(PFPCS1)..... Detects a paper misfeed in the paper vertical conveying section.
72. PF paper conveying sensor 2
(PFPCS2)..... Detects a paper misfeed in the paper horizontal conveying section.
73. PF paper conveying unit switch
(PFPCUSW)..... Detects the presence of PF paper conveying unit.
74. BR decurler sensor (BRDS)..... Detects positioning of decurler rotation.
75. BR conveying sensor 1 (BRCS1)..... Detects a paper misfeed in the bridge section.
76. BR conveying sensor 2 (BRCS2)..... Detects a paper misfeed in the bridge section
77. BR eject sensor (BRES)..... Detects a paper misfeed in the bridge eject section
78. BR conveying unit switch
(BRCUSW)..... Detects presence of the bridge conveying unit.
79. BR eject cover switch (BRECSW)..... Detects opening/closing of the bridge eject cover.
80. JS eject sensor (JSES)..... Detects a paper misfeed in the job separator section.

(3) Motors

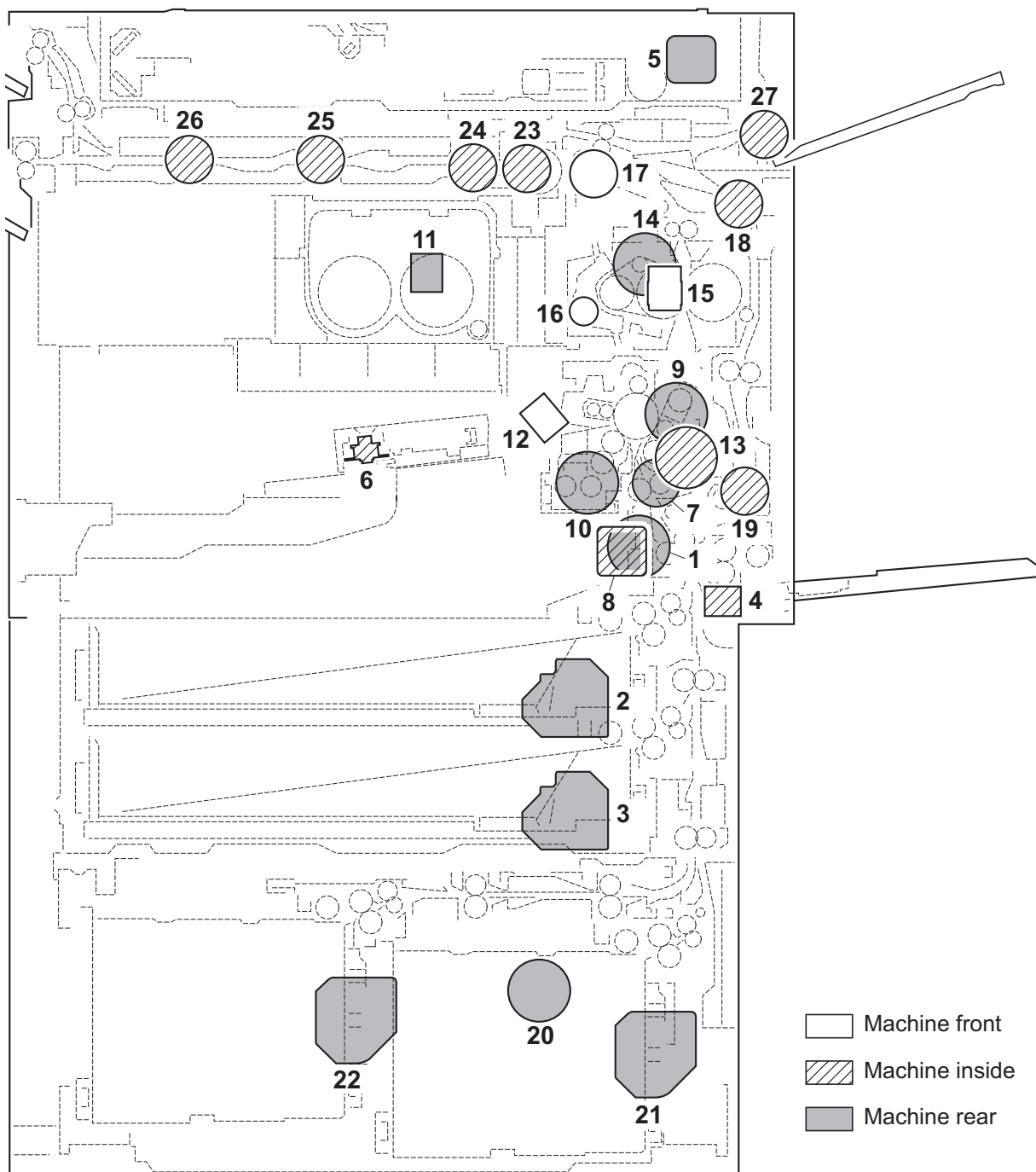


Figure 2-2-4 Motors

- 1. Paper feed motor (PFM) Drives the paper feed section.
- 2. Lift motor 1 (LM1)..... Operates the bottom plate (cassette 1).
- 3. Lift motor 2 (LM2)..... Operates the bottom plate (cassette 2).
- 4. MP lift motor (MPLM) Operates the MP plate.
- 5. Scanner motor (SM)..... Drives the optical system.
- 6. Polygon motor (PM)..... Drives the polygon mirror.
- 7. Registration motor (RM)* Drives the registration section.
- 8. Middle motor (MM)* Drives the paper conveying section.
- 9. Drum motor (DRM) Drives the drum unit.

10. Developer motor (DEVM)..... Drives the developer unit.
11. Toner motor (TM) Drives the toner container.
12. Toner hopper motor (THM) Replenishes toner to the developer unit.
13. Transfer motor (TRM) Drives the transfer section.
14. Fuser motor (FUM) Drives the fuser section.
15. Fuser release motor (FURM) Drives fuser pressure release.
16. IH core motor (IHCM)..... Drives the fuser IH section.
17. Eject motor (EM) Drives the feedshift/switchback sections.
18. Duplex motor 1 (DUM1) Drives the duplex section.
19. Duplex motor 2 (DUM2) Drives the duplex section.
20. PF paper feed motor (PFPFM) Drives the paper feed section of the large capacity feeder.
21. PF lift motor 1 (PFLM1)..... Operates the bottom plate (cassette 3).
22. PF lift motor 2 (PFLM2)..... Operates the bottom plate (cassette 4).
23. BR decurler motor (BRDM)..... Drives the decurler (press roller).
24. BR guide motor (BRGM)..... Drives the rotary decurler.
25. BR conveying motor 1 (BRCM1)..... Drives the paper conveying section.
26. BR conveying motor 2 (BRCM2)..... Drives the paper conveying section.
27. JS eject motor (JSEM) Drives the job separator.

(4) Fan motors

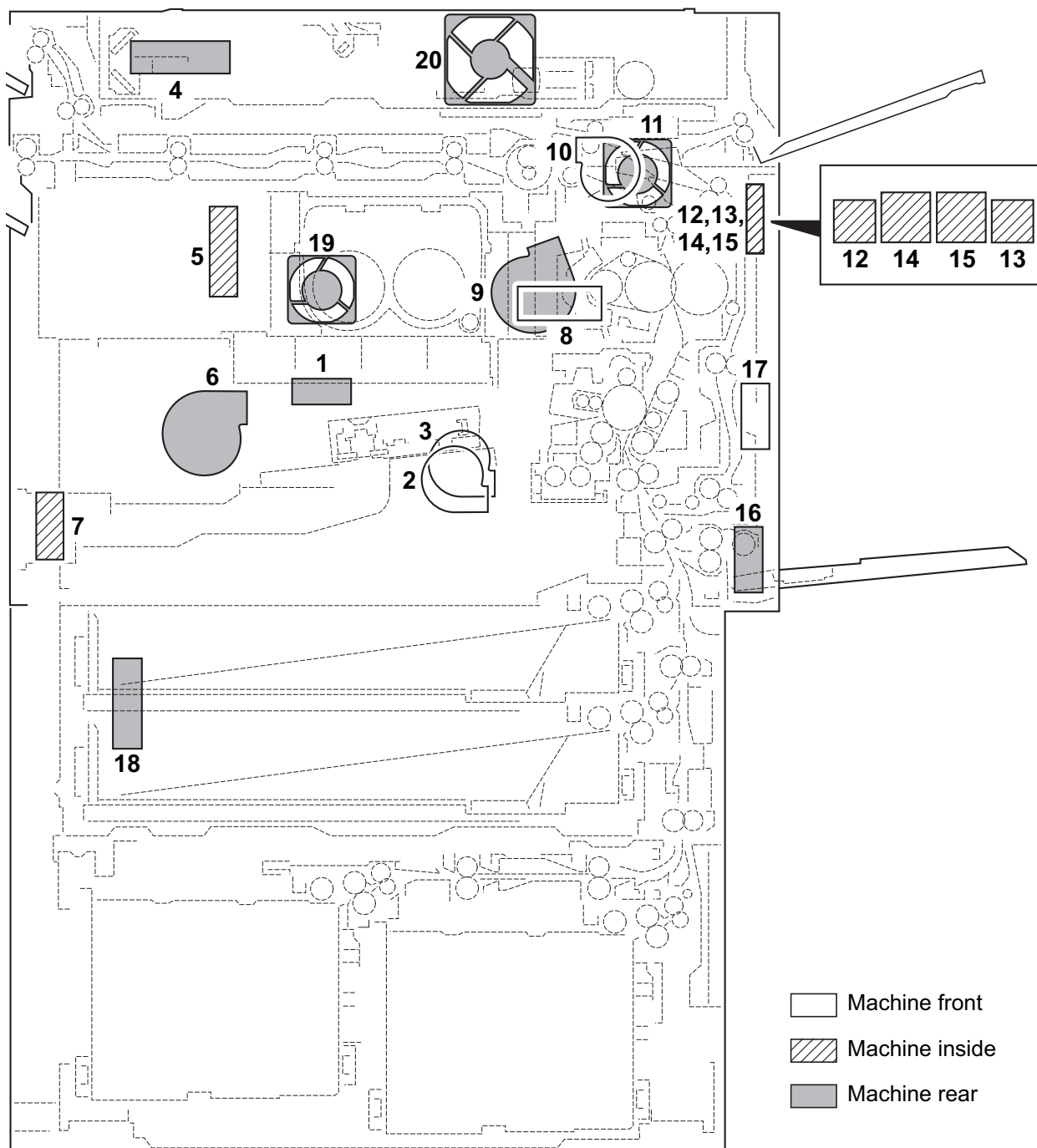


Figure 2-2-5 Motors

- 1. Toner fan motor (TFM) Cools the toner container section.
- 2. Developer fan motor 1 (DEVFM1) Cools the developer section.
- 3. Developer fan motor 2 (DEVFM2) Cools the developer section.
- 4. Exhaust fan motor 1 (EXFM1) Cools the machine inside.
- 5. Exhaust fan motor 2 (EXFM2) Cools the machine inside.
- 6. Exhaust fan motor 3 (EXFM3) Cools the machine inside.
- 7. LSU fan motor (LSUFM) Cools the laser scanner unit section.
- 8. Fuser front fan motor (FUFFM)..... Cools the fuser section (front side).
- 9. Fuser rear fan motor (FURFM) Cools the fuser section (rear side).

10. Eject front fan motor (EFFM) Cools the feedshift/switchback sections (front side).
11. Eject rear fan motor (ERFM)..... Cools the feedshift/switchback sections (rear side).
12. Eject fan motor 1 (EFM1)..... Cools the feedshift/switchback sections.
13. Eject fan motor 2 (EFM2)..... Cools the feedshift/switchback sections.
14. Fuser fan motor 1 (FUFM1) Cools the fuser section.
15. Fuser fan motor 2 (FUFM2) Cools the fuser section.
16. IH fan motor (IHFM) Cools the fuser IH PWB.
17. Duplex fan motor (DUFM)..... Cools the duplex section.
18. Power source fan motor (PSFM) Cools the power source section.
19. Controller fan motor (CONFM)..... Cools the controller section.
20. Bridge fan motor (BRFM)..... Cools the bridge section.

(5) Others

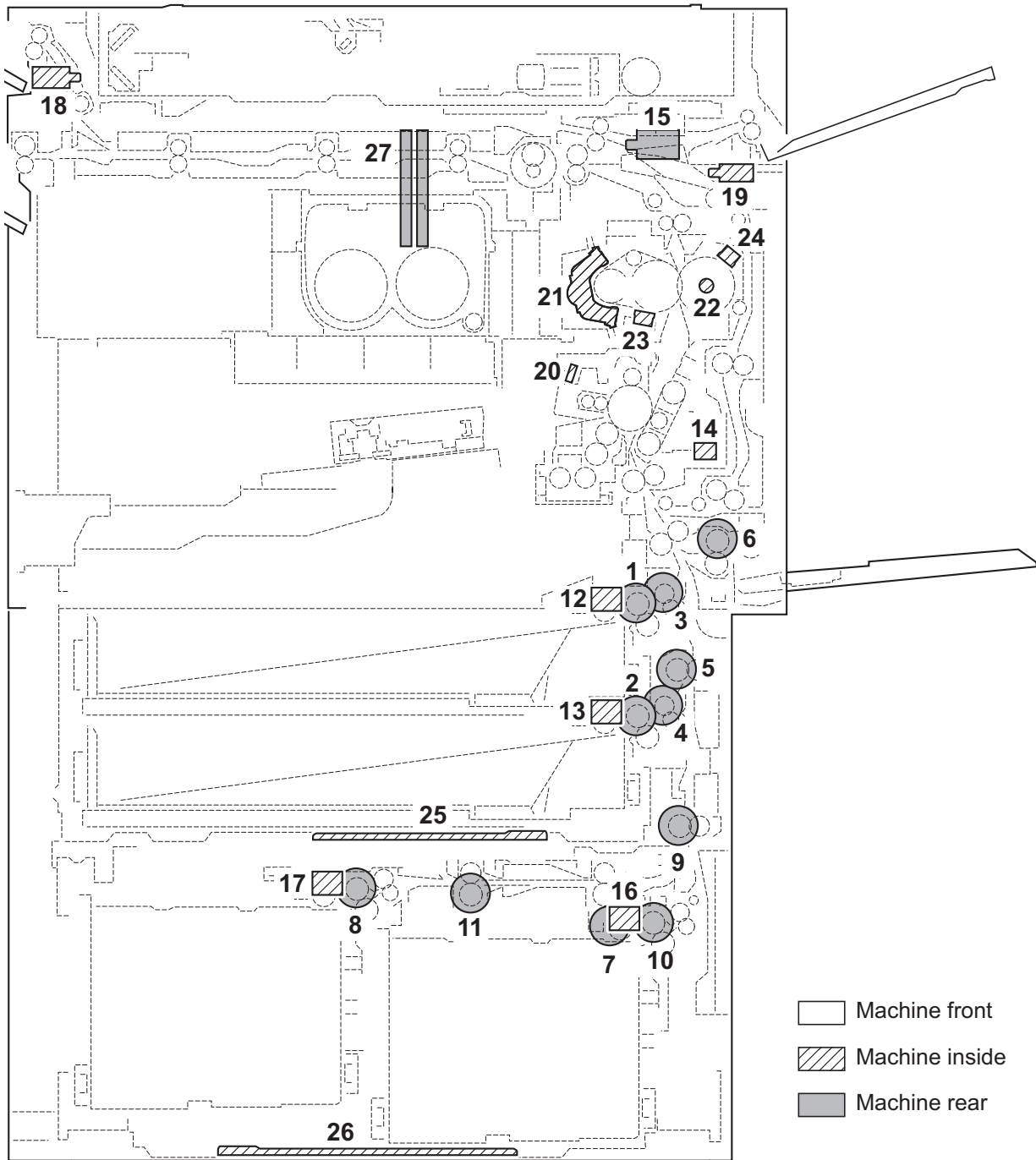
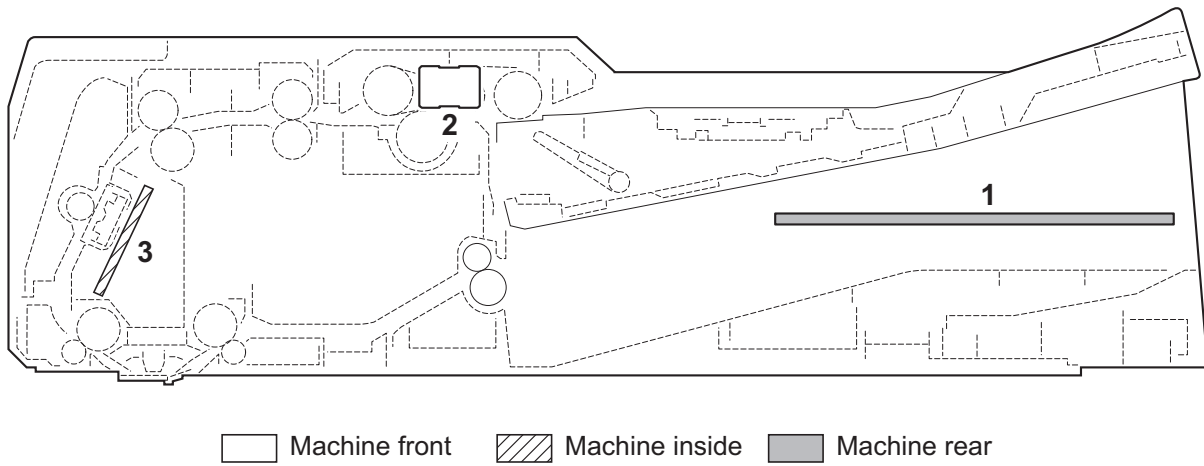


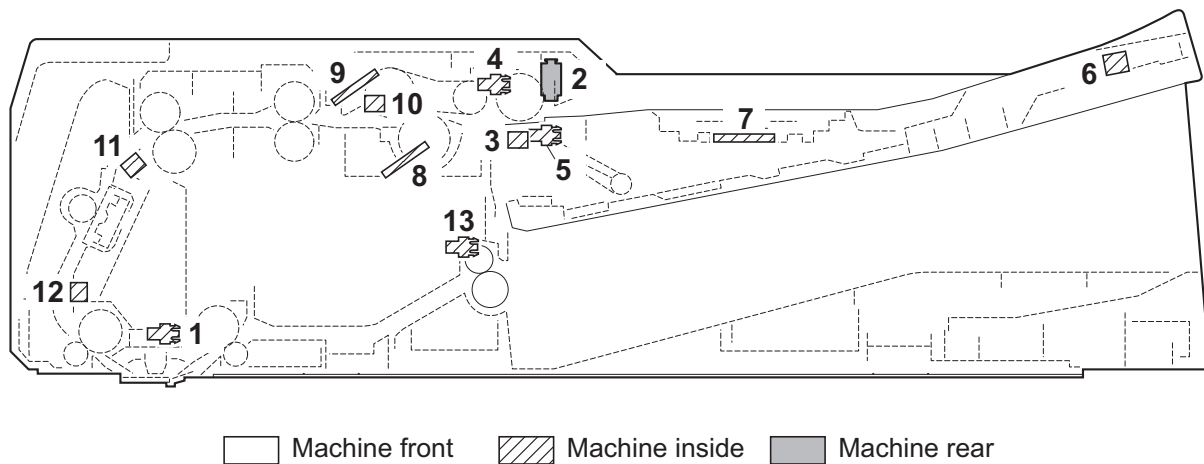
Figure 2-2-6 Others

- 1. Paper feed clutch 1 (PFCL1) Primary paper feed from cassette 1.
- 2. Paper feed clutch 2 (PFCL2) Primary paper feed from cassette 2.
- 3. Assist clutch 1 (ASCL1) Controls the drive of the assist roller (cassette 1).
- 4. Assist clutch 2 (ASCL2) Controls the drive of the assist roller (cassette 2).
- 5. Paper conveying clutch (PCCL)..... Controls the drive of vertical conveying section.
- 6. MP paper feed clutch (MPPFCL) Controls primary paper feed from the MP tray.
- 7. PF paper feed clutch 1 (PFPFCL1)..... Primary paper feed from cassette 3.
- 8. PF paper feed clutch 2 (PFPFCL2)..... Primary paper feed from cassette 4.

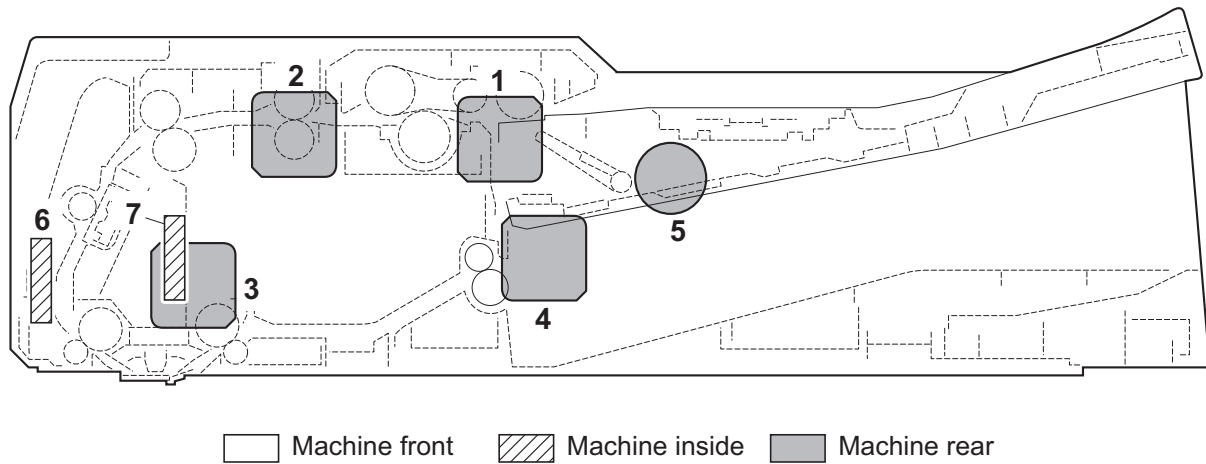
9. PF paper conveying clutch 1
(PFPCCL1)..... Controls the drive of the vertical conveying section.
10. PF paper conveying clutch 2
(PFPCCL2)..... Controls the drive of the horizontal conveying section.
11. PF paper conveying clutch 3
(PFPCCL3)..... Controls the drive of the horizontal conveying section.
12. Pickup solenoid 1 (PUSOL1) Drives the forwarding pulley (cassette 1).
13. Pickup solenoid 2 (PUSOL2) Drives the forwarding pulley (cassette 2).
14. Cleaning solenoid (CLSOL) Controls the ID sensor cleaning.
15. Feedshift solenoid (FSSOL)..... Operates the feedshift guide.
16. PF pickup solenoid 1
(PFPUSOL1)..... Operates the PF forwarding pulley 1 (cassette 3).
17. PF pickup solenoid 2
(PFPUSOL2)..... Operates the PF forwarding pulley 2 (cassette 4).
18. BR feedshift solenoid (BRFSSOL) Operates the feedshift guide.
19. JS feedshift solenoid (JSFSSOL) Operates the feedshift guide.
20. Cleaning lamp (CL) Eliminates the residual electrostatic charge on the drum.
21. Fuser IH (FIH) Heats the heat roller (fuser belt).
22. Fuser heater (FH) Heats the press roller.
23. Fuser thermostat 1 (FTS1)..... Prevents overheating of the heat roller.
24. Fuser thermostat 2 (FTS2)..... Prevents overheating of the press roller.
25. Cassette heater (CH) Dehumidifies paper in cassette 1 and 2 (option).
26. Cassette heater (CH) Dehumidifies paper in cassette 3 and 4 (option).
27. Hard disk (HDD)..... Stores the image data and information of job accounting mode.

(6) PWBs (document processor)**Figure 2-2-7 PWBs (document processor)**

1. DP main PWB (DPMPWB) Controls electrical components of the document processor.
2. DP LED PWB (DPLPWB) Indicates presence of originals or an original jam.
3. DP SHD PWB (DPSPWB) Controls the image processing.

(7) Switches and sensors (document processor)**Figure 2-2-8 Switches and sensors (document processor)**

1. DP open/close switch (DPOCSW) Detects the opening/closing of the document processor.
2. DP interlock switch (DPILSW) Breaks the safety circuit when the DP top cover is opened; resets original misfeed detection.
3. DP original sensor (DPOS) Detects the presence of an original.
4. DP lift sensor1 (DPLS1) Detects the original tray reaching the upper limit.
5. DP lift sensor2 (DPLS2) Detects the original tray reaching the lower limit.
6. DP original length switch (DPOLSW).... Detects the length of the original.
7. DP original width switch (DPOWSW).... Detects the width of the original.
8. DP multi feed sensor (emitter) (DPMFS) Detects a paper multi feed.
9. DP multi feed sensor (receiver) (DPMFS) Detects a paper multi feed.
10. DP feed sensor (DPFS) Detects primary original feed end timing.
11. DP CIS sensor (DPCS) Detects the original scanning timing.
12. DP timing sensor (DPTS) Detects the original scanning timing.
13. DP eject sensor (DPES) Detects an original misfeed in the original eject section.

(8) Motors (document processor)**Figure 2-2-9 Motors (document processor)**

1. DP original feed motor (DPOFM)..... Drives the original feeding section.
2. DP registration motor (DPRM) Drives the DP registration roller.
3. DP conveying motor (DPOCM)..... Drives the original conveying section.
4. DP eject motor (DPEM) Drives the DP eject roller.
5. DP lift motor (DPLM)..... Operates the original lift guide.
6. DP fan motor1 (DPFM1) Cools the drive section.
7. DP fan motor2 (DPFM2) Cools the CIS.

2-3-1 Main PWB

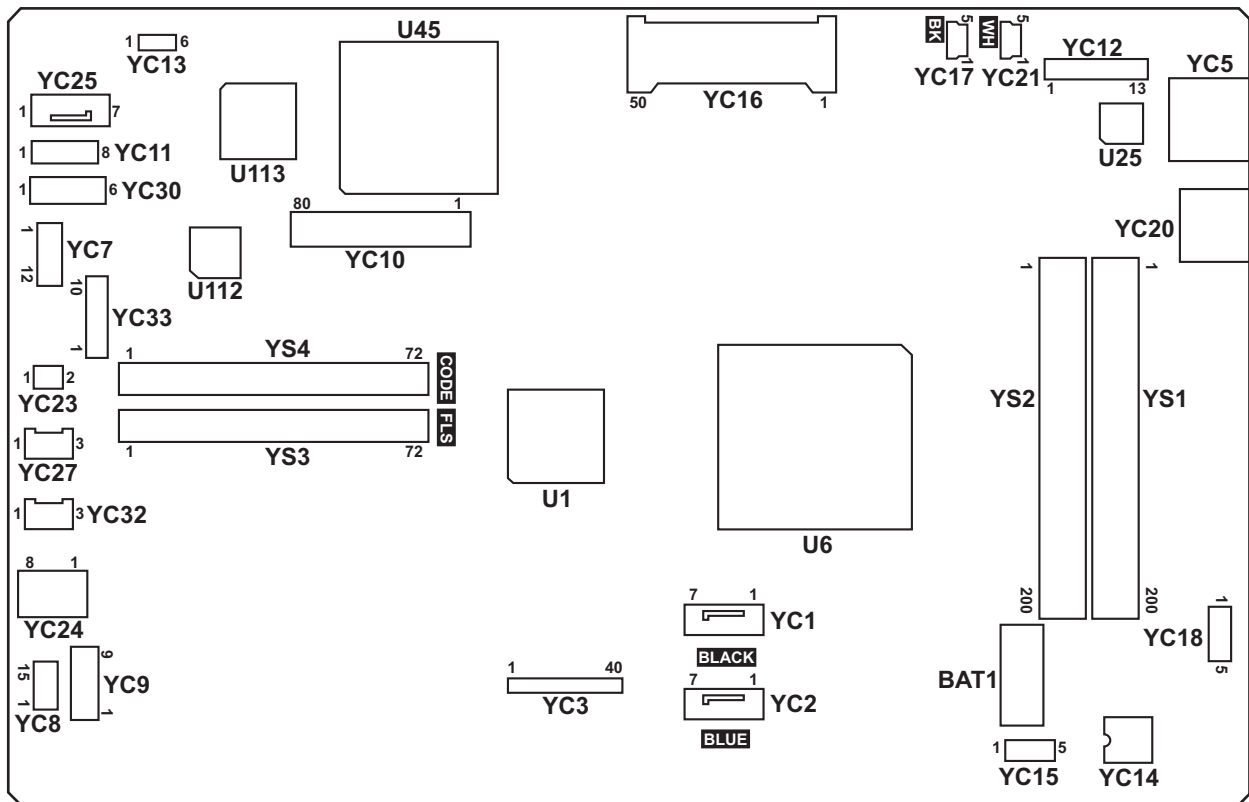


Figure 2-3-1 Main PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to hard disk 1	1	GND	-	-	Ground
	2	TXP	O	-	HDD1 data signal
	3	TXN	O	-	HDD1 data signal
	4	GND	-	-	Ground
	5	RXN	I	-	HDD1 data signal
	6	RXP	I	-	HDD1 data signal
	7	GND	-	-	Ground
YC2 Connected to hard disk 2	1	GND	-	-	Ground
	2	TXP	O	-	HDD2 data signal
	3	TXN	O	-	HDD2 data signal
	4	GND	-	-	Ground
	5	RXN	I	-	HDD2 data signal
	6	RXP	I	-	HDD2 data signal
	7	GND	-	-	Ground
YC3 Connected to engine PWB	1	HSYNC_AN	O	0/3.3 V DC (pulse)	Image control signal
	2	HSYNC_AP	O	0/3.3 V DC (pulse)	Image control signal
	3	HSYNC_BN	O	0/3.3 V DC (pulse)	Image control signal
	4	HSYNC_BP	O	0/3.3 V DC (pulse)	Image control signal
	5	HSYNC_CN	O	0/3.3 V DC (pulse)	Image control signal
	6	HSYNC_CP	O	0/3.3 V DC (pulse)	Image control signal
	7	HSYNC_DN	O	0/3.3 V DC (pulse)	Image control signal
	8	HSYNC_DP	O	0/3.3 V DC (pulse)	Image control signal
	9	VSYNC_AN	O	0/3.3 V DC (pulse)	Image control signal
	10	VSYNC_AP	O	0/3.3 V DC (pulse)	Image control signal
	11	VSYNC_BN	O	0/3.3 V DC (pulse)	Image control signal
	12	VSYNC_BP	O	0/3.3 V DC (pulse)	Image control signal
	13	VSYNC_CN	O	0/3.3 V DC (pulse)	Image control signal
	14	VSYNC_CP	O	0/3.3 V DC (pulse)	Image control signal
	15	VSYNC_DN	O	0/3.3 V DC (pulse)	Image control signal
	16	VSYNC_DP	O	0/3.3 V DC (pulse)	Image control signal
	17	SGND	-	-	Ground
	18	TCLKP	O	0/3.3 V DC (pulse)	Clock signal
	19	TCLKN	O	0/3.3 V DC (pulse)	Clock signal
	20	SGND	-	-	Ground
	21	TCP	O	0/3.3 V DC (pulse)	Image control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC3	22	TCN	O	0/3.3 V DC (pulse)	Image control signal
Connected to engine PWB	23	SGND	-	-	Ground
	24	TBP	O	0/3.3 V DC (pulse)	Image control signal
	25	TBN	O	0/3.3 V DC (pulse)	Image control signal
	26	SGND	-	-	Ground
	27	TAP	O	0/3.3 V DC (pulse)	Image control signal
	28	TAN	O	0/3.3 V DC (pulse)	Image control signal
	29	SGND	-	-	Ground
	30	SLEEP	O	0/3.3 V DC	Sleep signal
	31	HLD_ENG	O	0/3.3 V DC	Engine hold signal
	32	NC	-	-	Not used
	33	SGND	-	-	Ground
	34	EG IRN	O	0/3.3 V DC	Engine interrupt signal
	35	EG SO	I	0/3.3 V DC (pulse)	Serial communication data signal
	36	EG SBSY	O	0/3.3 V DC	Engine busy signal
	37	EG SDIR	O	0/3.3 V DC	Engine communication direction signal
	38	EG_SI	O	0/3.3 V DC (pulse)	Serial communication data signal
	39	EG_SCLK	O	0/3.3 V DC (pulse)	Engine lock signal
	40	SGND	-	-	Ground
	YC5	1	TD1+	O	0/3.3 V DC (pulse)
Connected to ethernet	2	TD1-	O	0/3.3 V DC (pulse)	Transmission data
	3	TD2+	O	0/3.3 V DC (pulse)	Transmission data
	4	TD2-	O	0/3.3 V DC (pulse)	Transmission data
	5	CT1	O	3.3 V DC	3.3 V DC power output
	6	CT2	O	3.3 V DC	3.3 V DC power output
	7	TD3+	O	0/3.3 V DC (pulse)	Transmission data
	8	TD3-	O	0/3.3 V DC (pulse)	Transmission data
	9	TD4+	O	0/3.3 V DC (pulse)	Transmission data
	10	TD4-	O	0/3.3 V DC (pulse)	Transmission data
	11	GRLED_A1	O	0/3.3 V DC	LED emitter signal
	12	GRLED_K1	O	0/3.3 V DC	LED emitter signal
	13	YWLED_A2	O	0/3.3 V DC	LED emitter signal
	14	YWLED_K2	O	0/3.3 V DC	LED emitter signal

Connector	Pin	Signal	I/O	Voltage	Description
YC7	1	KMDET	I	0/3.3 V DC	KMAS set signal
Connected to KMAS	2	NC	-	-	Not used
	3	KMDREQ	I	0/3.3 V DC	KMAS control signal
	4	KMACK	O	0/3.3 V DC	KMAS control signal
	5	KMRXD	O	0/3.3 V DC (pulse)	KMAS received data signal
	6	SGND	-	-	Ground
	7	KMTXD	I	0/3.3 V DC (pulse)	KMAS transmission data signal
	8	SGND	-	-	Ground
	9	SGND	-	-	Ground
	10	SGND	-	-	Ground
	11	+5V	O	5 V DC	5 V DC power to KMAS
	12	+5V	O	5 V DC	5 V DC power to KMAS
YC8	1	RESET0	I	0/3.3 V DC	Reset signal
Connected to interface PWB	2	WAKEUP0	O	0/3.3 V DC	Control signal
	3	AUDIO0	I	Analog	Audio signal
	4	GND	-	-	Ground
	5	USB_DP0	I/O	-	USB data signal
	6	USB_DN0	I/O	-	USB data signal
	7	VBUS0	O	3.3 V DC	3.3 V DC power to IFPWB
	8	GND	-	-	Ground
	9	RESET1	I	0/3.3 V DC	Reset signal
	10	WAKEUP1	O	0/3.3 V DC	Control signal
	11	AUDIO1	I	Analog	Audio signal
	12	GND	-	-	Ground
	13	USB_DP1	I/O	-	USB data signal
	14	USB_DN1	I/O	-	USB data signal
	15	VBUS1	O	3.3 V DC	3.3 V DC power to IFPWB
YC9	1	GND	-	-	Ground
Connected to interface PWB	2	5V_CUT0	I	0/3.3 V DC	5 V DC cut signal
	3	GND	-	-	Ground
	4	5V	O	5 V DC	5 V DC power to IFPWB
	5	GND	-	-	Ground
	6	5V_CUT1	I	0/3.3 V DC	5 V DC cut signal

Connector	Pin	Signal	I/O	Voltage	Description
YC10	1	GND	-	-	Ground
Connected to DP relay PWB	2	GND	-	-	Ground
	3	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	4	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	5	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	6	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	7	VCLKB	I	0/3.3 V DC (pulse)	DPRPWB clock signal
	8	VSYNCB	I	0/3.3 V DC (pulse)	DPRPWB VSYNCB signal
	9	HSYNCB	I	0/3.3 V DC (pulse)	DPRPWB HSYNCB signal
	10	MREB	I	0/3.3 V DC (pulse)	DPRPWB MREB signal
	11	GND	-	-	Ground
	12	DRB0	I	0/3.3 V DC (pulse)	Image data signal
	13	DRB1	I	0/3.3 V DC (pulse)	Image data signal
	14	DRB2	I	0/3.3 V DC (pulse)	Image data signal
	15	DRB3	I	0/3.3 V DC (pulse)	Image data signal
	16	DRB4	I	0/3.3 V DC (pulse)	Image data signal
	17	DRB5	I	0/3.3 V DC (pulse)	Image data signal
	18	DRB6	I	0/3.3 V DC (pulse)	Image data signal
	19	DRB7	I	0/3.3 V DC (pulse)	Image data signal
	20	GND	-	-	Ground
	21	DGB0	I	0/3.3 V DC (pulse)	Image data signal
	22	DGB1	I	0/3.3 V DC (pulse)	Image data signal
	23	DGB2	I	0/3.3 V DC (pulse)	Image data signal
	24	DGB3	I	0/3.3 V DC (pulse)	Image data signal
	25	DGB4	I	0/3.3 V DC (pulse)	Image data signal
	26	DGB5	I	0/3.3 V DC (pulse)	Image data signal
	27	DGB6	I	0/3.3 V DC (pulse)	Image data signal
	28	DGB7	I	0/3.3 V DC (pulse)	Image data signal
	29	GND	-	-	Ground
	30	DBB0	I	0/3.3 V DC (pulse)	Image data signal
	31	DBB1	I	0/3.3 V DC (pulse)	Image data signal
	32	DBB2	I	0/3.3 V DC (pulse)	Image data signal
	33	DBB3	I	0/3.3 V DC (pulse)	Image data signal
	34	DBB4	I	0/3.3 V DC (pulse)	Image data signal
	35	DBB5	I	0/3.3 V DC (pulse)	Image data signal
	36	DBB6	I	0/3.3 V DC (pulse)	Image data signal

Connector	Pin	Signal	I/O	Voltage	Description
YC10	37	DBB7	I	0/3.3 V DC (pulse)	Image data signal
Connected to DP relay PWB	38	HHALF	O	0/3.3 V DC	DPRPWB Control signal
	39	SLEEP	O	0/3.3 V DC	DPRPWB Control signal
	40	TWS_DET	I	0/3.3 V DC	DPRPWB Control signal
	41	GND	-	-	Ground
	42	LA2	O	0/3.3 V DC (pulse)	Address bus signal
	43	LA3	O	0/3.3 V DC (pulse)	Address bus signal
	44	LA4	O	0/3.3 V DC (pulse)	Address bus signal
	45	LA5	O	0/3.3 V DC (pulse)	Address bus signal
	46	LA6	O	0/3.3 V DC (pulse)	Address bus signal
	47	LA7	O	0/3.3 V DC (pulse)	Address bus signal
	48	LA8	O	0/3.3 V DC (pulse)	Address bus signal
	49	LA9	O	0/3.3 V DC (pulse)	Address bus signal
	50	LA10	O	0/3.3 V DC (pulse)	Address bus signal
	51	LA11	O	0/3.3 V DC (pulse)	Address bus signal
	52	LA12	O	0/3.3 V DC (pulse)	Address bus signal
	53	LA13	O	0/3.3 V DC (pulse)	Address bus signal
	54	LA14	O	0/3.3 V DC (pulse)	Address bus signal
	55	LA15	O	0/3.3 V DC (pulse)	Address bus signal
	56	LA16	O	0/3.3 V DC (pulse)	Address bus signal
	57	LA17	O	0/3.3 V DC (pulse)	Address bus signal
	58	GND	-	-	Ground
	59	LD0	I/O	0/3.3 V DC (pulse)	Data bus signal
	60	LD1	I/O	0/3.3 V DC (pulse)	Data bus signal
	61	LD2	I/O	0/3.3 V DC (pulse)	Data bus signal
	62	LD3	I/O	0/3.3 V DC (pulse)	Data bus signal
	63	LD4	I/O	0/3.3 V DC (pulse)	Data bus signal
	64	LD5	I/O	0/3.3 V DC (pulse)	Data bus signal
65	LD6	I/O	0/3.3 V DC (pulse)	Data bus signal	
66	LD7	I/O	0/3.3 V DC (pulse)	Data bus signal	
67	GND	-	-	Ground	
68	INT	I	0/3.3 V DC	DPRPWB Control signal	
69	RESETZ	O	0/3.3 V DC	DPRPWB Control signal	
70	GND	-	-	Ground	
71	CEZ	O	0/3.3 V DC (pulse)	DPRPWB Control signal	
72	WEZ	O	0/3.3 V DC (pulse)	DPRPWB Control signal	

Connector	Pin	Signal	I/O	Voltage	Description
YC10 Connected to DP relay PWB	73	OEZ	O	0/3.3 V DC (pulse)	DPRPWB Control signal
	74	SCLKIN	O	0/3.3 V DC (pulse)	DPRPWB clock signal
	75	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	76	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	77	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	78	3.3V	O	3.3 V DC	3.3 V DC power to DPRPWB
	79	GND	-	-	Ground
	80	GND	-	-	Ground
YC11 Connected to ISC PWB	1	GND	-	-	Ground
	2	SC_IRN	O	0/3.3 V DC	Scanner interrupt signal
	3	SC_DIR	O	0/3.3 V DC	Scanner communication direction signal
	4	SC_HLDN	O	0/3.3 V DC	Scanner hold signal
	5	SC_BSY	O	0/3.3 V DC	Scanner busy signal
	6	SC_SI	O	0/3.3 V DC (pulse)	Serial communication data signal
	7	SC_SO	I	0/3.3 V DC (pulse)	Serial communication data signal
	8	SC_CLK	O	0/3.3 V DC (pulse)	Scanner clock signal
YC12 Connected to operation PWB 1	1	DEEP_POWERON	O	0/3.3 V DC	Sleep return signal
	2	ENERGY_SAVE	O	0/3.3 V DC	Energy save signal
	3	SUPND_POWER	O	3.3 V DC	3.3 V DC power to OPWB1
	4	LED_MEMORY_N	O	0/3.3 V DC	Memory LED control signal
	5	LED_ATTENTION_N	O	0/3.3 V DC	Attention LED control signal
	6	LED_PROCESSING_N	O	0/3.3 V DC	Processing LED control signal
	7	SHUT_DOWN	O	0/3.3 V DC	24 V down signal
	8	LIGHTOFF_POWERON	O	0/3.3 V DC	Sleep return signal
	9	AUDIO	O	Analog	Audio output signal
	10	PANEL RESET	O	0/3.3 V DC	Reset signal
	11	INT_POWERKEY_N	I	0/3.3 V DC	Power key: On/Off
	12	PANEL_STATUS	I	0/3.3 V DC	Operation panel status signal
	13	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC16	1	GND	-	-	Ground
Connected to CF card	2	D3	I/O	0/3.3 V DC (pulse)	Data bus signal
	3	D4	I/O	0/3.3 V DC (pulse)	Data bus signal
	4	D5	I/O	0/3.3 V DC (pulse)	Data bus signal
	5	D6	I/O	0/3.3 V DC (pulse)	Data bus signal
	6	D7	I/O	0/3.3 V DC (pulse)	Data bus signal
	7	/CE1	O	0/3.3 V DC	Control signal
	8	A10	O	0/3.3 V DC (pulse)	Address bus signal
	9	/OE	O	0/3.3 V DC	Control signal
	10	A9	O	0/3.3 V DC (pulse)	Address bus signal
	11	A8	O	0/3.3 V DC (pulse)	Address bus signal
	12	A7	O	0/3.3 V DC (pulse)	Address bus signal
	13	VCC	O	0/3.3 V DC	Control signal
	14	A6	O	0/3.3 V DC (pulse)	Address bus signal
	15	A5	O	0/3.3 V DC (pulse)	Address bus signal
	16	A4	O	0/3.3 V DC (pulse)	Address bus signal
	17	A3	O	0/3.3 V DC (pulse)	Address bus signal
	18	A2	O	0/3.3 V DC (pulse)	Address bus signal
	19	A1	O	0/3.3 V DC (pulse)	Address bus signal
	20	A0	O	0/3.3 V DC (pulse)	Address bus signal
	21	D0	I/O	0/3.3 V DC (pulse)	Data bus signal
	22	D1	I/O	0/3.3 V DC (pulse)	Data bus signal
	23	D2	I/O	0/3.3 V DC (pulse)	Data bus signal
	24	WP	O	0/3.3 V DC	Control signal
	25	/CD2	O	0/3.3 V DC	Control signal
	26	/CD1	O	0/3.3 V DC	Control signal
	27	D11	I/O	0/3.3 V DC (pulse)	Data bus signal
	28	D12	I/O	0/3.3 V DC (pulse)	Data bus signal
	29	D13	I/O	0/3.3 V DC (pulse)	Data bus signal
	30	D14	I/O	0/3.3 V DC (pulse)	Data bus signal
	31	D15	I/O	0/3.3 V DC (pulse)	Data bus signal
	32	/CE2	O	0/3.3 V DC	Control signal
	33	/VS1	O	0/3.3 V DC	Control signal
	34	/IORD	O	0/3.3 V DC	Control signal
	35	/IOWD	O	0/3.3 V DC	Control signal
	36	/WE	O	0/3.3 V DC	Control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC16 Connected to CF card	37	RDY/BSY	I	0/3.3 V DC	Control signal
	38	VCC	O	0/3.3 V DC	Control signal
	39	CSEL	O	0/3.3 V DC	Control signal
	40	VS2	O	0/3.3 V DC	Control signal
	41	RESET	I	0/3.3 V DC	Reset signal
	42	/WAIT	O	0/3.3 V DC	Control signal
	43	INPACK	O	0/3.3 V DC	Control signal
	44	/REG	I	0/3.3 V DC	REG signal
	45	BVD2	O	0/3.3 V DC	Control signal
	46	BVD1	O	0/3.3 V DC	Control signal
	47	D8	I/O	0/3.3 V DC (pulse)	Data bus signal
	48	D9	I/O	0/3.3 V DC (pulse)	Data bus signal
	49	D10	I/O	0/3.3 V DC (pulse)	Data bus signal
	50	GND	-	-	Ground
YC17 Connected to operation PWB 1	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA -	I/O	-	USB data signal
	3	DATA +	I/O	-	USB data signal
	4	NC	-	-	Not used
	5	GND	-	-	Ground
YC20 Connected to USB	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA-	I/O	-	USB data signal
	3	DATA+	I/O	-	USB data signal
	4	GND	-	-	Ground
YC21 Connected to USB host	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA -	I/O	-	USB data signal
	3	DATA +	I/O	-	USB data signal
	4	NC	-	-	Not used
	5	GND	-	-	Ground
YC23 Connected to controller fan motor	1	+12V	O	12 V DC	CONFM: On/Off
	2	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC24 Connected to power source PWB	1	+12V	O	12 V DC	12 V DC power from PSPWB
	2	+12V	O	12 V DC	12 V DC power from PSPWB
	3	+12V	O	12 V DC	12 V DC power from PSPWB
	4	+12V	O	12 V DC	12 V DC power from PSPWB
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground
YC25 Connected to ISC PWB	1	GND	-	-	Ground
	2	HTPDN	I	0/3.3 V DC	Control signal
	3	LOCKN	I	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	RX0N	I	0/3.3 V DC (pulse)	Received data signal
	6	RX0P	I	0/3.3 V DC (pulse)	Received data signal
	7	GND	-	-	Ground
YC27 Connected to hard disk 1	1	GND	-	-	Ground
	2	+5V_HDD	O	5 V DC	5 V DC power to HDD1
	3	GND	-	-	Ground
YC30 Connected to operation PWB 1	1	+5V	O	5 V DC	5 V DC power from OPWB1
	2	+5V	O	5 V DC	5 V DC power from OPWB1
	3	+5V	O	5 V DC	5 V DC power from OPWB1
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Ground
YC32 Connected to hard disk 2	1	GND	-	-	Ground
	2	+5V_HDD	O	5 V DC	5 V DC power to HDD2
	3	GND	-	-	Ground

2-3-2 Engine PWB

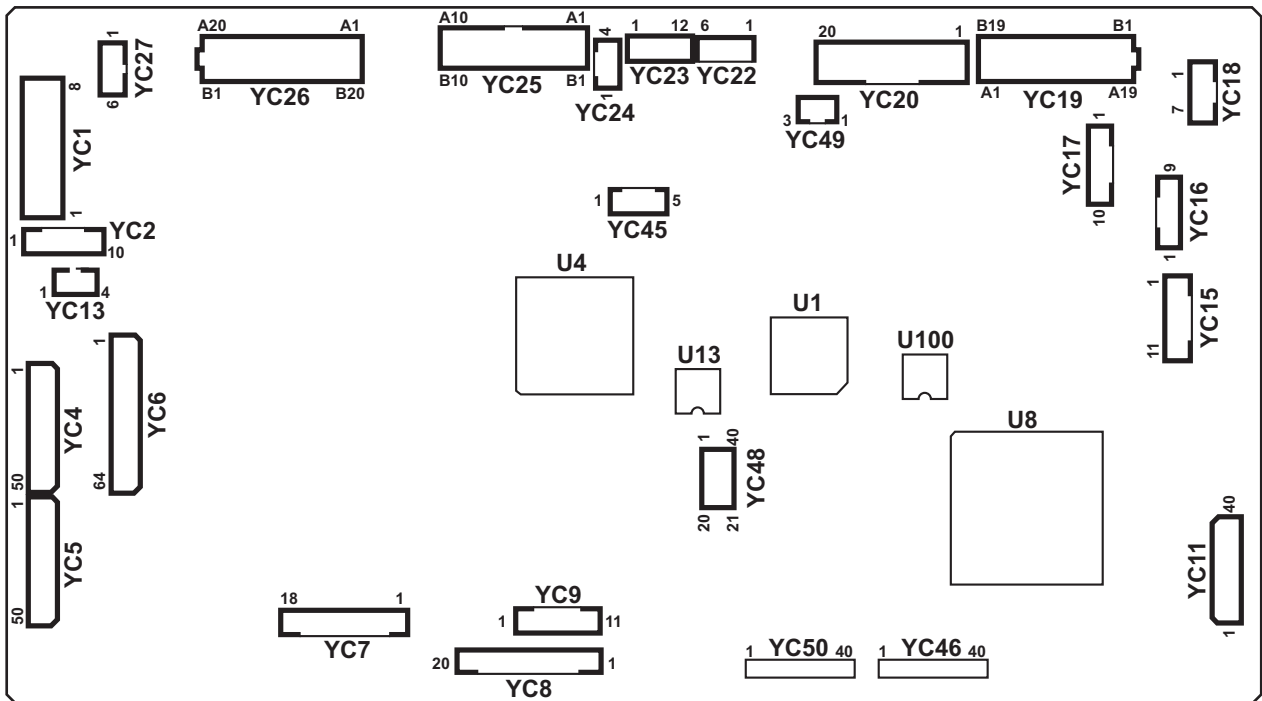


Figure 2-3-2 Engine PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to feed PWB 1	1	GND	-	-	Ground
	2	+5V	I	5 V DC	5 V DC power from FPWB1
	3	GND	-	-	Ground
	4	+12V	I	12 V DC	12 V DC power from FPWB1
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	+24V1	I	24 V DC	24 V DC power from FPWB1
	8	+24V1	I	24 V DC	24 V DC power from FPWB1
YC2 Connected to front PWB	1	GND	-	-	Ground
	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	+24V	O	24 V DC	24 V DC power to FRPWB
	7	+24V	O	24 V DC	24 V DC power to FRPWB
	8	+5V	O	5 V DC	5 V DC power to FRPWB
	9	+3.3V2	O	3.3 V DC	3.3 V DC power to FRPWB
	10	+3.3V1	O	3.3 V DC	3.3 V DC power to FRPWB
YC4 Connected to feed PWB 2	1	GND	-	-	Ground
	2	FEED_MOT_REM	O	0/3.3 V DC	PFM: On/Off
	3	FEED_MOT_CLK	O	0/3.3 V DC (pulse)	PFM clock signal
	4	FEED_MOT_RDY	I	0/3.3 V DC	PFM ready signal
	5	FEED_MOT_DIR	O	0/3.3 V DC	PFM drive switch signal
	6	FEED_CL1_REM	O	0/24 V DC	PFCL1: On/Off
	7	FEED_CL2_REM	O	0/24 V DC	PFCL2: On/Off
	8	ASIST_CL2	O	0/24 V DC	ASCL2: On/Off
	9	LIFT_MOT2_REM	O	0/24 V DC	LM2: On/Off
	10	GND	-	-	Ground
	11	LIFT_MOT1_REM1	O	0/24 V DC	LM1: On/Off
	12	CAS2_WID	I	0/3.3 V DC	PWSW2: On/Off
	13	CAS2_LNG3	I	0/3.3 V DC	PLSW2: On/Off
	14	CAS2_LNG2	I	0/3.3 V DC	PLSW2: On/Off
	15	CAS2_LNG1	I	0/3.3 V DC	PLSW2: On/Off
	16	CAS1_WID	I	0/3.3 V DC	PWSW1: On/Off
	17	CAS1_LNG3	I	0/3.3 V DC	PLSW1: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC4	18	CAS1_LNG2	I	0/3.3 V DC	PLSW1: On/Off
Connected to feed PWB 2	19	CAS1_LNG1	I	0/3.3 V DC	PLSW1: On/Off
	20	GND	-	-	Ground
	21	CAS2_QUANT2	I	0/3.3 V DC	PGS2(L): On/Off
	22	CAS2_QUANT1	I	0/3.3 V DC	PGS2(U): On/Off
	23	CAS1_QUANT2	I	0/3.3 V DC	PGS1(L): On/Off
	24	CAS1_QUANT1	I	0/3.3 V DC	PGS1(U): On/Off
	25	LIFT_MOT1_LOCK	I	0/3.3 V DC	LM1 lock signal
	26	LIFT_MOT2_LOCK	I	0/3.3 V DC	LM2 lock signal
	27	CURRENT_SIG	I	0/3.3 V DC	Current signal
	28	V-FEED_CL	O	0/24 V DC	PCCL: On/Off
	29	COVER_OPEN	I	0/3.3 V DC	PCCSW: On/Off
	30	FEED2_SENS	I	0/3.3 V DC	PFPCS1: On/Off
	31	CAS1_P0	I	0/3.3 V DC	FS1: On/Off
	32	CAS1_LIFT_UP	I	0/3.3 V DC	LS1: On/Off
	33	GND	-	-	Ground
	34	CAS1_EMPTY	I	0/3.3 V DC	PS1: On/Off
	35	PICK_SOL1_RET	O	0/24 V DC	PUSOL1: On/Off (RET)
	36	PICK_SOL1_REM	O	0/24 V DC	PUSOL1: On/Off (ACT)
	37	CAS2_P0	I	0/3.3 V DC	FS2: On/Off
	38	CAS2_LIFT_UP	I	0/3.3 V DC	LS2: On/Off
	39	CAS2_EMPTY	I	0/3.3 V DC	PS2: On/Off
	40	PICK_SOL2_RET	O	0/24 V DC	PUSOL2: On/Off (RET)
	41	PICK_SOL2_REM	O	0/24 V DC	PUSOL2: On/Off (ACT)
	42	GND	-	-	Ground
	43	REG_SENS	I	0/3.3 V DC	RS: On/Off
	44	FEED1_SENS	I	0/3.3 V DC	PCS: On/Off
	45	BEND_SENS	I	0/3.3 V DC	RDS: On/Off
	46	MID_MOT_PH	O	0/3.3 V DC	MM control signal
	47	MID_MOT_REM(R OL_CL)	O	0/3.3 V DC	MM/MCL: On/Off
	48	MID_MOT_CLK	O	0/3.3 V DC (pulse)	MM clock signal
	49	MID_MOT_PD	O	0/3.3 V DC	MM control signal
	50	ASIST_CL1	O	0/24 V DC	ASCL1: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC5	1	GND	-	-	Ground
Connected to feed PWB 1	2	DU_MOT_REM	O	0/3.3 V DC	DUM1/DUCL1: On/Off
	3	EXIT_FAN	O	0/24 V DC	EFM: On/Off
	4	DU_ENTER_SENS	I	0/3.3 V DC	DUS1: On/Off
	5	TCON_SET	-	-	Not used
	6	TRANS_MOT_REM	O	0/3.3 V DC	TCM: On/Off
	7	TRANS_MOT_CLK	O	0/3.3 V DC (pulse)	TCM clock signal
	8	TRANS_MOT_RDY	I	0/3.3 V DC	TCM ready signal
	9	TRANS_MOT_DIR	O	0/3.3 V DC	TCM drive switch signal
	10	TRANS_MOT_BRK	O	0/3.3 V DC	TCM break signal
	11	GND	-	-	Ground
	12	DRM_MOT_BK_REM	O	0/3.3 V DC	DRM: On/Off
	13	DRM_MOT_BK_CLK	O	0/3.3 V DC (pulse)	DRM clock signal
	14	DRM_MOT_BK_RDY	I	0/3.3 V DC	DRM ready signal
	15	DRM_MOT_BK_DIR	O	0/3.3 V DC	DRM drive switch signal
	16	DRM_MOT_BK_BRK	O	0/3.3 V DC	DRM break signal
	17	DLP_MOT_BK_REM	O	0/3.3 V DC	DEVM: On/Off
	18	DLP_MOT_BK_CLK	O	0/3.3 V DC (pulse)	DEVM clock signal
	19	DLP_MOT_BK_RDY	I	0/3.3 V DC	DEVM ready signal
	20	DLP_MOT_BK_DIR	O	0/3.3 V DC	DEVM drive switch signal
	21	DRM_MOT_CLR_REM	-	-	Not used
	22	DRM_MOT_CLR_CLK	-	-	Not used
	23	DRM_MOT_CLR_RDY	-	-	Not used
	24	DRM_MOT_CLR_DIR	-	-	Not used
	25	GND	-	-	Ground
	26	DLP_MOT_CLR_REM	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC5	27	DLP_MOT_CLR_C LK	-	-	Not used
Connected to feed PWB 1	28	DLP_MOT_CLR_R DY	-	-	Not used
	29	DLP_MOT_CLR_DI R	-	-	Not used
	30	IH_PWB_FAN_L	O	0/24 V DC	HFM: On/Off
	31	IH_PWB_FAN_H	O	0/24 V DC	HFM: On/Off
	32	IH_PWB_FAN_AL M	I	0/3.3 V DC	HFM alarm signal
	33	REG_MOT_PD	O	0/3.3 V DC	RM control signal
	34	REG_MOT_CLK	O	0/3.3 V DC (pulse)	RM clock signal
	35	REG_MOT_REM(C L)	O	0/3.3 V DC	RM/RCL: On/Off
	36	GND	-	-	Ground
	37	CLN_SOL_RET	O	0/24 V DC	CLSOL: On/Off (RET)
	38	CLN_SOL_REM	O	0/24 V DC	CLSOL: On/Off (ACT)
	39	REG_SENS_R_S	-	-	Not used
	40	REG_SENS_R_P	-	-	Not used
	41	REG_R_LED	-	-	Not used
	42	REG_SENS_F_S	-	-	Not used
	43	GND	-	-	Ground
	44	REG_SENS_F_P	-	-	Not used
	45	REG_F_LED	-	-	Not used
	46	M_TEMP	-	-	Not used
	47	POWER_OFF	O	0/3.3 V DC	Power off signal
	48	DRM_HEAT	-	-	Not used
	49	FSR_RELAY	O	0/3.3 V DC	Fuser relay signal
	50	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC6	1	GND	-	-	Ground
Connected to feed PWB 1	2	JOB_SET	I	0/3.3 V DC	Job separator set signal
	3	JOB_MOT_REM	O	0/3.3 V DC	JSEM: On/Off
	4	JOB_MOT_CLK	O	0/3.3 V DC (pulse)	JSEM clock signal
	5	JOB_MOT_DIR	O	0/3.3 V DC	JSEM drive switch signal
	6	JOB_OPEN_SENS	I	0/3.3 V DC	JSES: On/Off
	7	JOB_SOL_REM	O	0/24 V DC	JSFSSOL: On/Off
	8	GND	-	-	Ground
	9	EXIT_REAR_FAN_L	O	0/24 V DC	ERFM: On/Off
	10	EXIT_REAR_FAN_H	O	0/24 V DC	ERFM: On/Off
	11	ZEROC	O	0/3.3 V DC (pulse)	Zero-cross signal
	12	SUB_HEAT	O	0/3.3 V DC	FH2: On/Off
	13	MAIN_HEAT	O	0/3.3 V DC	FH1: On/Off
	14	FSR_CL	-	-	Not used
	15	FSR_MOT_REM	O	0/3.3 V DC	FUM: On/Off
	16	FSR_MOT_CLK	O	0/3.3 V DC (pulse)	FUM clock signal
	17	FSR_MOT_RDY	O	0/3.3 V DC	FUM ready signal
	18	GND	-	-	Ground
	19	FSR_MOT_DIR	O	0/3.3 V DC	FUM drive switch signal
	20	FSR_MOT_BRK	O	0/3.3 V DC	FUM break signal
	21	MPF_TABLE	I	0/3.3 V DC	MPTSW: On/Off
	22	MPF_WID1	I	0/3.3 V DC	MPPWSW: On/Off
	23	MPF_WID2	I	0/3.3 V DC	MPPWSW: On/Off
	24	MPF_WID3	I	0/3.3 V DC	MPPWSW: On/Off
	25	MPF_LNG	I	0/3.3 V DC	MPPLSW: On/Off
	26	3.3V3	O	3.3 V DC	3.3 V DC power to FPWB1
	27	MPF_PPR_SET	I	0/3.3 V DC	MPPS: On/Off
	28	MPF_LIFT_UP	I	0/3.3 V DC	MPLS1: On/Off
	29	MPF_LIFT_DOWN	I	0/3.3 V DC	MPLS2: On/Off
	30	MPF_JAM	I	0/3.3 V DC	MPFS: On/Off
	31	MPF_CL_REM	O	0/24 V DC	MPPFCL: On/Off
	32	MPF_LIF2	O	0/24 V DC	MPLM: On/Off
	33	MPF_LIFT1	O	0/24 V DC	MPLM: On/Off
	34	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC6	35	TC_MOT_REM	-	-	Not used
Connected to feed PWB 1	36	TC_MOT_LOCK	-	-	Not used
	37	TC_TONER_LED	-	-	Not used
	38	TC_TONER_FULL	-	-	Not used
	39	TC_TONER_VCON T	-	-	Not used
	40	INTER_LOCK	-	-	Not used
	41	DU2_PD	O	0/3.3 V DC	DUM2 control signal
	42	DU2_CLK	O	0/3.3 V DC (pulse)	DUM2 clock signal
	43	DU2_REM_CL_LO W	O	0/3.3 V DC	DUM2/DUCL2: On/Off
	44	DU_OPEN	I	0/3.3 V DC	DUCSW: On/Off
	45	DU_FAN	O	0/24 V DC	DUFM: On/Off
	46	PRESS_MOT_RE M1	-	-	Not used
	47	PRESS_MOT_RE M2	-	-	Not used
	48	PRESS_RLS_SEN S	-	-	Not used
	49	DU_SENS	I	0/3.3 V DC	DUS2: On/Off
	50	BELT_JAM_SENS	-	-	Not used
	51	GND	-	-	Ground
	52	REG_BK_SENS1_ S	I	Analog	IDS detection signal
	53	REG_BK_SENS1_ P	I	Analog	IDS detection signal
	54	REG_BK_LED	O	Analog	IDS control signal
	55	LOOP_SENS	I	0/3.3 V DC	LPS: On/Off
	56	EDGE_FAN_L	O	0/24 V DC	EFM1,2: On/Off
	57	EDGE_FAN_H	O	0/24 V DC	EFM1,2: On/Off
	58	DU1_MOT_PD	O	0/3.3 V DC	DUM1 control signal
	59	DU1_MOT_CLK	O	0/3.3 V DC (pulse)	DUM1 clock signal
	60	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC7	1	INTER_LOCK	-	-	Not used
Connected to front PWB	2	ROT_HP_SENS	I	0/3.3 V DC	DEVSS: On/Off
	3	DLP_FAN_L	O	0/24 V DC	DEVFM: On/Off
	4	DLP_FAN_H	O	0/24 V DC	DEVFM: On/Off
	5	THOP_MOT_DIR	O	0/3.3 V DC	THM drive switch signal
	6	THOP_MOT_REM	O	0/3.3 V DC	THM: On/Off
	7	THOP_Bk	I	0/3.3 V DC	THS: On/Off
	8	ENCODE_Bk	I	0/3.3 V DC	SRS: On/Off
	9	SB_MOT_PH	O	0/3.3 V DC	EM control signal
	10	SB_MOT_CLK	O	0/3.3 V DC (pulse)	EM clock signal
	11	SB_MOT_PD	O	0/3.3 V DC	EM control signal
	12	SB_MOT_DIR	O	0/3.3 V DC	EM drive switch signal
	13	SB_MOT_REM	O	0/3.3 V DC	EM: On/Off
	14	EXIT_FEED_SENS	I	0/3.3 V DC	SBS: On/Off
	15	EXIT_PAPER_SENS	I	0/3.3 V DC	ES: On/Off
	16	GND	-	-	Ground
	17	JUNC_SOL_REM	O	0/24 V DC	FSSOL: On/Off (ACT)
	18	JUNC_SOL_RET	O	0/24 V DC	FSSOL: On/Off (RET)
YC8	1	WTNR_SET	I	0/3.3 V DC	WTDSW: On/Off
Connected to front PWB	2	WTNR_FULL_VCON T	O	0/3.3 V DC	WTS1 control signal
	3	WTNR_FULL	I	Analog	WTS1 detection signal
	4	WTNR_NEAR_VCO NT	O	0/3.3 V DC	WTS2 control signal
	5	WTNR_NEAR	I	Analog	WTS2 detection signal
	6	WTNR_LED	O	0/3.3 V DC (pulse)	WTS1 LED emitter signal
	7	I2C_SDA	O	0/3.3 V DC (pulse)	EEPROM clock signal
	8	I2C_SCL	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	9	FRONT_OPEN	I	0/3.3 V DC	FRCSW: On/Off
	10	LSU_FAN	O	0/24 V DC	LSUFM: On/Off
	11	TPD_TEMP_Bk	I	Analog	Developer thermistor detection signal
	12	DLP_VCONT_Bk_1	O	0/3.3 V DC	DEVPWB control signal
	13	TPD_Bk_1	I	Analog	DEVPWB detection signal
	14	TN_CLK	O	0/3.3 V DC (pulse)	Clock signal
	15	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC8 Connected to front PWB	16	EEP_SCL1	O	0/3.3 V DC (pulse)	EEPROM clock signal
	17	EEP_SDA1	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	18	ERS_Bk_REM	O	0/24 V DC	CL: On/Off
	19	CONTAIN_FAN_REM	-	-	Not used
	20	EXIT_FAN_REM	O	0/24 V DC	EFFM: On/Off
YC9 Connected to front PWB	1	IH_CORE_MOT_REM	O	0/24 V DC	IHCM: On/Off
	2	IH_CORE_MOT_CLK	O	0/3.3 V DC (pulse)	IHCM clock signal
	3	IH_CORE_SENS	I	0/3.3 V DC	IHCS: On/Off
	4	IH_COIL_FAN_ALARM	I	0/3.3 V DC	FUFFM alarm signal
	5	IH_COIL_FAN_L	O	0/24 V DC	FUFFM: On/Off
	6	IH_COIL_FAN_H	O	0/24 V DC	FUFFM: On/Off
	7	GND	-	-	Ground
	8	ROT_MOT_PD	-	-	Not used
	9	ROT_MOT_DIR	-	-	Not used
	10	ROT_MOT_CLK	-	-	Not used
	11	ROT_MOT_REM	-	-	Not used
YC11 Connected to LSU relay PWB	1	GND	-	-	Ground
	2	DATA_2PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)
	3	DATA_2NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	4	GND	-	-	Ground
	5	DATA_1PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)
	6	DATA_1NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	7	GND	-	-	Ground
	8	GAIN_FIX_Bk	O	0/3.3 V DC	APCPWB control signal
	9	GND	-	-	Ground
	10	SDCLK_Bk	O	0/3.3 V DC (pulse)	APCPWB clock signal
	11	GND	-	-	Ground
	12	PARA_SIG_P4_Bk	O	0/3.3 V DC	APCPWB control signal
	13	PARA_SIG_P3_Bk	O	0/3.3 V DC	APCPWB control signal
	14	PARA_SIG_P2_Bk	O	0/3.3 V DC	APCPWB control signal
	15	PARA_SIG_P1_Bk	O	0/3.3 V DC	APCPWB control signal
	16	PARA_SIG_P0_Bk	O	0/3.3 V DC	APCPWB control signal
	17	INT_ST_1_Bk	O	0/3.3 V DC	APCPWB control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC11	18	INT_ST_2_Bk	O	0/3.3 V DC	APCPWB control signal
Connected to LSU relay PWB	19	CUALM_BK	I	0/3.3 V DC	APCPWB alarm signal
	20	MSET_N	O	0/3.3 V DC	Control signal
	21	LDD_CS 1 Bk	O	0/3.3 V DC	APCPWB control signal
	22	LDD_CS 2 Bk	O	0/3.3 V DC	APCPWB control signal
	23	PARA_SIG_P3_2B k	O	0/3.3 V DC	APCPWB control signal
	24	LSU_TH_Bk	I	Analog	LSU thermistor detection signal
	25	BD_Bk	I	0/3.3 V DC (pulse)	Horizontal synchronization signal
	26	GND	-	-	Ground
	27	DATA_4P_Bk(LVD S)	O	0/3.3 V DC (pulse)	Video data signal (P)
	28	DATA_4N_Bk(LVD S)	O	0/3.3 V DC (pulse)	Video data signal (N)
	29	GND	-	-	Ground
	30	DATA_3P_Bk(LVD S)	O	0/3.3 V DC (pulse)	Video data signal (P)
	31	DATA_3N_Bk(LVD S)	O	0/3.3 V DC (pulse)	Video data signal (N)
	32	GND	-	-	Ground
	33	EEPROM_CS_1_B k	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	34	EEPROM_CS_2_B k	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	35	GND	-	-	Ground
	36	SCLK	O	0/3.3 V DC (pulse)	Clock signal
	37	GND	-	-	Ground
	38	SDO	O	0/3.3 V DC (pulse)	Serial communication data signal
	39	GND	-	-	Ground
	40	SDI	O	0/3.3 V DC (pulse)	Serial communication data signal
	YC13	1	GND	-	-
Connected to feed PWB 1	2	GND	-	-	Ground
	3	3.3V3	I	3.3 V DC	3.3 V DC power from FPWB1
	4	3.3V2	I	3.3 V DC	3.3 V DC power from FPWB1

Connector	Pin	Signal	I/O	Voltage	Description
YC15 Connected to LSU relay PWB and polygon motor	1	+5V_AN	O	5 V DC	5 V DC power to LSURPWB
	2	+5V_AN	O	5 V DC	5 V DC power to LSURPWB
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	+3.3V2	O	3.3 V DC	3.3 V DC power to LSURPWB
	6	GND	-	-	Ground
	7	+24V	O	24 V DC	24 V DC power to LSURPWB
	8	GND	-	-	Ground
	9	START/STOP	O	0/24 V DC	PM: On/Off
	10	LOCK	I	0/3.3 V DC	PM lock signal
	11	CLK	O	0/3.3 V DC (pulse)	PM clock signal
YC16 Connected to high voltage PWB	1	SGND	-	-	Ground
	2	SP_BELT_CNT	O	Analog	Separation bias control voltage
	3	T2_CNT	O	Analog	Transfer bias control voltage
	4	T2_REM	O	0/3.3 V DC	Transfer bias: On/Off
	5	MAIN_IDC	O	PWM	DC charger roller control signal
	6	DC_MAIN_CNT	O	PWM	DC charger roller control signal
	7	AC_MAIN_CNT	O	PWM	AC charger roller control signal
	8	AC_MAIN_CLK	O	0/3.3 V DC (pulse)	AC charger roller clock signal
	9	DC_MAIN_REM	O	0/3.3 V DC	DC main charger: On/Off
YC17 Connected to high voltage PWB	1	SGND	-	0/3.3 V DC (pulse)	PM-K clock signal
	2	DC_MAG_REM	O	0/3.3 V DC	DC main charger: On/Off
	3	DC_MAG_CNT	O	0/3.3 V DC (pulse)	DC magnet bias control voltage
	4	DC_SLV_CNT	O	PWM	DC sleeve bias control voltage
	5	AC_SLV_CLK	O	0/3.3 V DC (pulse)	AC sleeve bias clock signal
	6	AC_SLV_CNT	O	PWM	AC sleeve bias control voltage
	7	DISCHARGE	I	PWM	Main charger control signal
	8	AC_MAG_CLK	O	0/3.3 V DC (pulse)	ACC magnet bias clock signal
	9	AC_MAG_CNT	O	0/3.3 V DC (pulse)	AC magnet bias control voltage
	10	DC_REC_CNT	O	PWM	DC bias control voltage

Connector	Pin	Signal	I/O	Voltage	Description
YC18 Connected to 4000-sheet finisher	1	DF_CLK	O	0/3.3 V DC (pulse)	DFMPWB clock signal
	2	DF_SDO	O	0/3.3 V DC (pulse)	DFMPWB serial communication data signal
	3	DF_SEL	O	0/3.3 V DC	DFMPWB select signal
	4	DF_SDI	O	0/3.3 V DC (pulse)	DFMPWB serial communication data signal
	5	DF_RDY	I	0/3.3 V DC	DFMPWB ready signal
	6	DF_DET	O	0/3.3 V DC	DFMPWB detection signal
	7	GND	-	-	Ground
YC19 Connected to paper feeder/ large capac- ity feeder, toner fan motor and exhaust fan motor	A1	PF_CLK	O	0/3.3 V DC (pulse)	PFMPWB clock signal
	A2	PF_SDO	O	0/3.3 V DC (pulse)	PFMPWB serial communication data signal
	A3	PF_SEL	O	0/3.3 V DC	PFMPWB select signal
	A4	PF_SDI	I	0/3.3 V DC (pulse)	PFMPWB serial communication data signal
	A5	PF_RDY	I	0/3.3 V DC	PFMPWB ready signal
	A6	PF_PAUSE	O	0/3.3 V DC	PFMPWB pause signal
	A7	PF_CAS1_OPEN	I	0/3.3 V DC	PFMPWB control signal
	A8	PF_CAS2_OPEN	I	0/3.3 V DC	PFMPWB control signal
	A9	+3.3V4	O	3.3 V DC	3.3 V DC power to PFMPWB
	A10	GND	-	-	Ground
	A11	GND	-	-	Ground
	A12	TN_FAN1	O	0/24 V DC	TFM: On/Off
	A13	+24V1	O	24 V DC	24 V DC power to TFM
	A14	TN_FAN2	O	0/24 V DC	EXFM1: On/Off
	A15	+24V1	O	24 V DC	24 V DC power to EXFM1
	A16	LVU_FAN1	-	-	Not used
	A17	+24V1	-	-	Not used
	A18	LVU_FAN2	-	-	Not used
	A19	+24V1	-	-	Not used
	B1	SIDE_CLK	O	0/3.3 V DC (pulse)	PFMPWB clock signal (side)
	B2	SIDE_SDO	O	0/3.3 V DC (pulse)	PFMPWB serial communication data signal (side)
	B3	SIDE_SEL	O	0/3.3 V DC	PFMPWB select signal (side)
	B4	SIDE_SDI	I	0/3.3 V DC (pulse)	PFMPWB serial communication data signal (side)
	B5	SIDE_RDY	I	0/3.3 V DC	PFMPWB ready signal (side)
	B6	SIDE_PAUSE	O	0/3.3 V DC	PFMPWB pause signal (side)

Connector	Pin	Signal	I/O	Voltage	Description
YC19	B7	TANDEM_CAS1OPEN	I	0/3.3 V DC	PFMPWB control signal (side)
Connected to paper feeder/ large capacity feeder, toner fan motor and exhaust fan motor	B8	TANDEM_CAS2OPEN	I	0/3.3 V DC	PFMPWB control signal (side)
	B9	SIDE_MULTI_OPEN	O	0/3.3 V DC	PFMPWB control signal (side)
	B10	+3.3V4	O	3.3 V DC	3.3 V DC power to PFMPWB (side)
	B11	GND	-	-	Ground
	B12	+24V1	-	-	Not used
	B13	BELT_FAN1	-	-	Not used
	B14	+24V1	-	-	Not used
	B15	BELT_FAN2	-	-	Not used
	B16	DLP_FAN1	O	0/24 V DC	EXFM2: On/Off
	B17	+24V1	O	24 V DC	24 V DC power to EXFM2
	B18	DLP_FAN2	O	0/24 V DC	EXFM3: On/Off
	B19	+24V1	O	24 V DC	24 V DC power to EXFM3
	YC20	1	DECAL_HP_SENS	I	0/3.3 V DC
Connected to bridge unit	2	GUIDE_REM	O	0/3.3 V DC	BRGM: On/Off
	3	GUIDE_CLK	O	0/3.3 V DC (pulse)	BRGM clock signal
	4	GUIDE_PD	O	0/3.3 V DC	BRGM control signal
	5	GUIDE_DIR	O	0/3.3 V DC	BRGM drive switch signal
	6	DECAL_REM	O	0/3.3 V DC	BRDM: On/Off
	7	DECAL_PH	O	0/3.3 V DC	BRDM control signal
	8	DECAL_CLK	O	0/3.3 V DC (pulse)	BRDM clock signal
	9	DECAL_PD	O	0/3.3 V DC	BRDM control signal
	10	DECAL_DIR	O	0/3.3 V DC	BRDM drive switch signal
	11	+24V1	O	24 V DC	24 V DC power to BRFSSOL
	12	EXIT_SOL_REM	O	0/24 V DC	BRFSSOL: On/Off (ACT)
	13	EXIT_SOL_RET	O	0/24 V DC	BRFSSOL: On/Off (RET)
	14	GND	-	-	Ground
	15	EXIT_COV_OPEN	I	0/3.3 V DC	BRECSW: On/Off
	16	GND	-	-	Ground
	17	EXIT_SENS	I	0/3.3 V DC	BRES: On/Off
	18	+5V	O	5 V DC	5 V DC power to BRES
	19	N.C	-	-	Not used
	20	BRIDGE2 REM	O	0/3.3 V DC	BRCM2: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC20	21	BRIDGE2 PH	O	0/3.3 V DC	BRCM2 control signal
Connected to bridge unit	22	BRIDGE2 CLK	O	0/3.3 V DC (pulse)	BRCM2 clock signal
	23	BRIDGE2 PD	O	0/3.3 V DC	BRCM2 control signal
	24	BRIDGE2 DIR	O	0/3.3 V DC	BRCM2 drive switch signal
	25	BRIDGE1 REM	O	0/3.3 V DC	BRCM2: On/Off
	26	BRIDGE1 PH	O	0/3.3 V DC	BRCM1 control signal
	27	BRIDGE1 CLK	O	0/3.3 V DC (pulse)	BRCM1 clock signal
	28	BRIDGE1 PD	O	0/3.3 V DC	BRCM1 control signal
	29	BRIDGE1 DIR	O	0/3.3 V DC	BRCM1 drive switch signal
	30	BRIDGE_SENS 2	I	0/3.3 V DC	BRCS2: On/Off
	31	BRIDGE_OPEN	I	0/3.3 V DC	BRCUSW: On/Off
	32	BRIDGE_SENS 1	I	0/3.3 V DC	BRCS1: On/Off
	33	GND	-	-	Ground
	34	5V	O	5 V DC	5 V DC power to BRPWB
	35	GND	-	-	Ground
	36	GND	-	-	Ground
	37	+24V1	O	24 V DC	24 V DC power to BRPWB
	38	+24V1	O	24 V DC	24 V DC power to BRPWB
YC22	1	LVU_FAN	O	0/24 V DC	PSFM: On/Off
Connected to power source fan motor	2	+24V1	O	24 V DC	24 V DC power to PSFM
YC23	1	+24V	O	24 V DC	24 V DC power to coin vender
Connected to coin vender	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	COIN_EN	I	0/3.3 V DC	Coin vender enable signal
	5	FGND	-	-	Ground
	6	FEED_COUNT	O	0/3.3 V DC	Coin vender control signal
	7	EJECT_COUNT	O	0/3.3 V DC	Coin vender control signal
	8	COPYING_SIG	O	0/3.3 V DC	Coin vender control signal
	9	TXD_COIN	O	0/3.3 V DC (pulse)	Serial communication data signal
	10	GND	-	-	Serial communication data signal
	11	RXD_COIN	I	0/3.3 V DC (pulse)	MCL: On/Off
	12	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC24 Connected to key counter	1	GND	-	-	Ground
	2	DC1_SET	I	0/3.3 V DC	Key counter set signal
	3	DC1_COUNT	O	0/3.3 V DC	Key counter count signal
	4	+24V 1	O	24 V DC	24 V DC power to key card
YC25 Connected to key card	A1	+5V	O	5 V DC	5 V DC power to key card
	A2	+5V	O	5 V DC	5 V DC power to key card
	A3	+5V	O	5 V DC	5 V DC power to key card
	A4	+5V	O	5 V DC	5 V DC power to key card
	A5	+5V	O	5 V DC	5 V DC power to key card
	A6	+5V	O	5 V DC	5 V DC power to key card
	A7	+5V	O	5 V DC	5 V DC power to key card
	A8	+5V	O	5 V DC	5 V DC power to key card
	A9	COPY_ENABLE	I	0/3.3 V DC	Key card enable signal
	A10	+24V	O	24 V DC	24 V DC power to key card
	B1	KEY7	O	0/3.3 V DC	Key card control signal
	B2	KEY6	O	0/3.3 V DC	Key card control signal
	B3	KEY5	O	0/3.3 V DC	Key card control signal
	B4	KEY4	O	0/3.3 V DC	Key card control signal
	B5	KEY3	O	0/3.3 V DC	Key card control signal
	B6	KEY2	O	0/3.3 V DC	Key card control signal
	B7	KEY1	O	0/3.3 V DC	Key card control signal
	B8	KEY0	O	0/3.3 V DC	Key card control signal
	B9	GND	-	-	Ground
	B10	COUNT	O	0/3.3 V DC	Key card count signal
YC26 Connected to fuser unit	A1	EDGE_FAN_ALM	-	-	Not used
	A2	EDGE_FAN	-	-	Not used
	A3	+24V1	-	-	Not used
	A4	EDGE_FAN_ALM	-	-	Not used
	A5	EDGE_FAN	-	-	Not used
	A6	+24V1	-	-	Not used
	A7	FSR_FAN_ALM	I	0/3.3 V DC	FURFM alarm signal
	A8	FSR_FAN	O	0/24 V DC	FURFM: On/Off
	A9	+24V1	O	24 V DC	24 V DC power to FURFM
	A10	FSR_RLS_DR_CC W	O	0/24 V DC	FURM: On/Off (CCW)
	A11	FSR_RLS_DR_CW	O	0/24 V DC	FURM: On/Off (CW)

Connector	Pin	Signal	I/O	Voltage	Description
YC26	A12	GND	-	-	Ground
Connected to fuser unit	A13	FSR_SIZE_SENS	I	0/3.3 V DC	FUES: On/Off
	A14	+5V	O	5 V DC	5 V DC power to FUES
	A15	GND	-	-	Ground
	A16	FSR_RLS_SENS	I	0/3.3 V DC	FURS: On/Off
	A17	+5V	O	5 V DC	5 V DC power to FURS
	A18	GND	-	-	Ground
	A19	FSR_BLT_PLS	I	0/3.3 V DC	FUBLS: On/Off
	A20	+5V	O	5 V DC	5 V DC power to FUBLS
	B1	PRESS_HEART_REM	-	-	Not used
	B2	IH_RXD	I	0/3.3 V DC (pulse)	Serial communication data signal
	B3	IH_TXD	O	0/3.3 V DC (pulse)	Serial communication data signal
	B4	ROTATION	O	0/3.3 V DC	FIH control signal
	B5	IH_HEAT_REM	O	0/3.3 V DC	FIH: On/Off
	B6	+3.3V2	O	3.3 V DC	5 V DC power to FIH
	B7	GND	-	-	Ground
	B8	GND	-	-	Ground
	B9	PRESS_TH	I	Analog	FTH5 detection signal
	B10	GND	-	-	Ground
	B11	EDGE_TH	I	Analog	FTH2 detection signal
	B12	GND	-	-	Ground
B13	GUIDE_TH1	I	Analog	FTH4 detection signal	
B14	GND	-	-	Ground	
B15	GUIDE_TH2	I	Analog	FTH3 detection signal	
B16	MAIN_TH2	I	Analog	FTH1 detection signal	
B17	MAIN_TH1	I	Analog	FTH1 detection signal	
B18	GND	-	-	Ground	
B19	+24V1	O	24 V DC	24 V DC power to BRFM	
B20	BRIDGE_FAN	O	0/24 V DC	BRFM: On/Off	
YC27	1	GND	-	-	Ground
Connected to RFID PWB and toner motor	2	EEP_SDA2	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	3	EEP_SCL2	I	0/3.3 V DC (pulse)	EEPROM clock signal
	4	3.3V2	O	3.3 V DC	3.3 V DC power to RFPWB
	5	+24V1	O	24 V DC	24 V DC power to TM-Y
	6	TMOT_Bk_DR	O	0/24 V DC	TM: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC46 Connected to main PWB	1	HSYNC_AN	I	0/3.3 V DC (pulse)	Image control signal
	2	HSYNC_AP	I	0/3.3 V DC (pulse)	Image control signal
	3	HSYNC_BN	I	0/3.3 V DC (pulse)	Image control signal
	4	HSYNC_BP	I	0/3.3 V DC (pulse)	Image control signal
	5	HSYNC_CN	I	0/3.3 V DC (pulse)	Image control signal
	6	HSYNC_CP	I	0/3.3 V DC (pulse)	Image control signal
	7	HSYNC_DN	I	0/3.3 V DC (pulse)	Image control signal
	8	HSYNC_DP	I	0/3.3 V DC (pulse)	Image control signal
	9	VSYNC_AN	I	0/3.3 V DC (pulse)	Image control signal
	10	VSYNC_AP	I	0/3.3 V DC (pulse)	Image control signal
	11	VSYNC_BN	I	0/3.3 V DC (pulse)	Image control signal
	12	VSYNC_BP	I	0/3.3 V DC (pulse)	Image control signal
	13	VSYNC_CN	I	0/3.3 V DC (pulse)	Image control signal
	14	VSYNC_CP	I	0/3.3 V DC (pulse)	Image control signal
	15	VSYNC_DN	I	0/3.3 V DC (pulse)	Image control signal
	16	VSYNC_DP	I	0/3.3 V DC (pulse)	Image control signal
	17	SGND	-	-	Ground
	18	TCLKP	I	0/3.3 V DC (pulse)	Clock signal
	19	TCLKN	I	0/3.3 V DC (pulse)	Clock signal
	20	SGND	-	-	Ground
	21	TCP	I	0/3.3 V DC (pulse)	Image control signal
	22	TCN	I	0/3.3 V DC (pulse)	Image control signal
	23	SGND	-	-	Ground
	24	TBP	I	0/3.3 V DC (pulse)	Image control signal
	25	TBN	I	0/3.3 V DC (pulse)	Image control signal
	26	SGND	-	-	Ground
	27	TAP	I	0/3.3 V DC (pulse)	Image control signal
	28	TAN	I	0/3.3 V DC (pulse)	Image control signal
	29	SGND	-	-	Ground
	30	SLEEP	I	0/3.3 V DC	Sleep signal
	31	HLD_ENG	I	0/3.3 V DC	Engine hold signal
	32	NC	-	-	Not used
	33	SGND	-	-	Ground
	34	EG IRN	I	0/3.3 V DC	Engine interrupt signal
	35	EG SO	O	0/3.3 V DC (pulse)	Serial communication data signal

Connector	Pin	Signal	I/O	Voltage	Description
YC46	36	EG SBSY	I	0/3.3 V DC	Engine busy signal
Connected to main PWB	37	EG SDIR	I	0/3.3 V DC	Engine communication direction signal
	38	EG_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
	39	EG_SCLK	I	0/3.3 V DC (pulse)	Engine lock signal
	40	SGND	-	-	Ground

2-3-3 Power source PWB

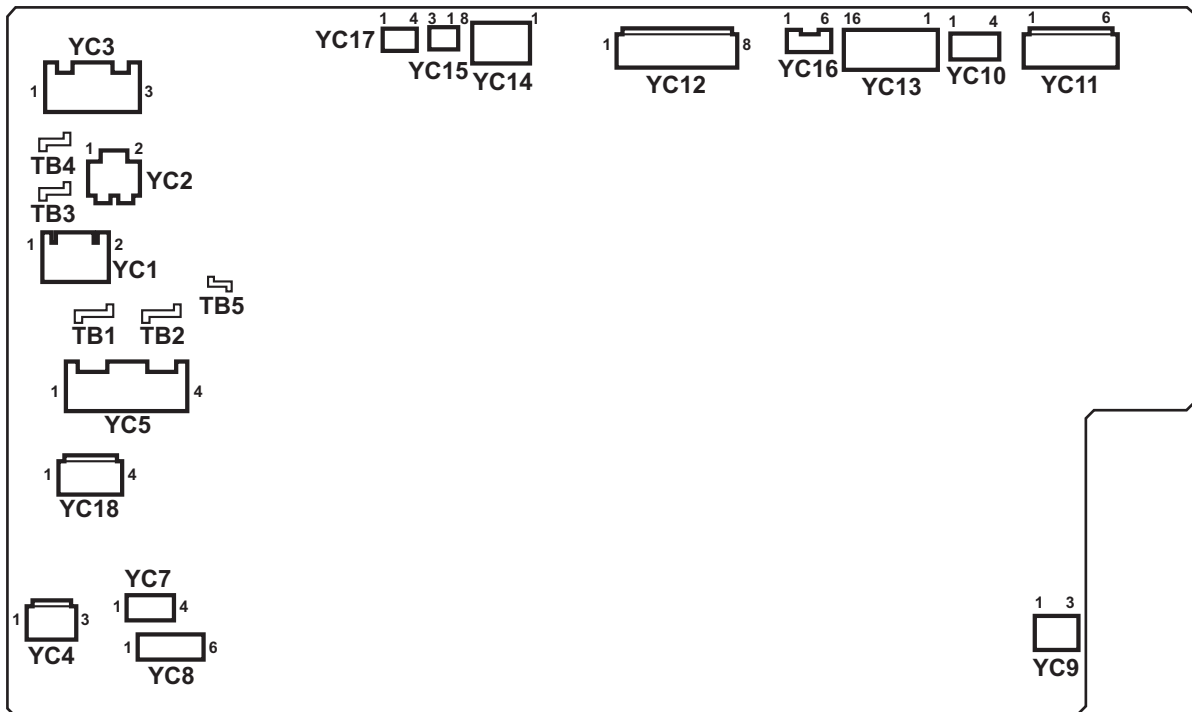


Figure 2-3-3 Power source PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
TB Connected to AC inlet and main power switch	1	LIVE	I	120 V AC 220-240 V AC	AC power input
	2	NEUTRAL	I	120 V AC 220-240 V AC	AC power input
	3	LIVE	-	-	Not used
	4	NEUTRAL	-	-	Not used
	5	DH_LIVE	I	120 V AC 220-240 V AC	AC power input
YC1 Connected to main power switch	1	MSW_OUT	O	120 V AC 220-240 V AC	AC power output to MSW
	2	MSW_IN	I	120 V AC 220-240 V AC	AC power output from MSW
YC2 Connected to main power switch	1	MSW_IN	I	120 V AC 220-240 V AC	AC power output from MSW
	2	IH_LIVE	I	120 V AC 220-240 V AC	AC power output from MSW
YC3 Connected to fuser IH PWB	1	IH_NEUTRAL	O	120 V AC 220-240 V AC	AC power output to FIHPWB
	2	NC	-	-	Not used
	3	IH_LIVE	O	120 V AC 220-240 V AC	AC power output to FIHPWB
YC8 Connected to cassette heater	1	DH_LIVE	O	120 V AC 220-240 V AC	AC power output to CH
	2	DH_LIVE	-	-	Not used
	3	NC	-	-	Not used
	4	NC	-	-	Not used
	5	DH_NEUTRAL	O	120 V AC 220-240 V AC	AC power output to CH
	6	DH_NEUTRAL	-	-	Not used
YC9 Connected to large capacity feeder	1	DH_LIVE	O	120 V AC 220-240 V AC	AC power output to PFCH
	2	DH_NEUTRAL	O	120 V AC 220-240 V AC	AC power output to PFCH

Connector	Pin	Signal	I/O	Voltage	Description
YC12 Connected to feed PWB 1	1	+24V1	O	24 V DC	24 V DC power to FPWB1
	2	+24V1	O	24 V DC	24 V DC power to FPWB1
	3	+24V1	O	24 V DC	24 V DC power to FPWB1
	4	+12V	O	12 V DC	12 V DC power to FPWB1
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground
YC13 Connected to large capacity feeder, 4000-sheet finisher and ISC PWB	1	+24V1	O	24 V DC	24 V DC power to large capacity feeder
	2	+24V1	O	24 V DC	24 V DC power to large capacity feeder
	3	+24V1	O	24 V DC	24 V DC power to 4000-sheet finisher
	4	+24V1	O	24 V DC	24 V DC power to 4000-sheet finisher
	5	+24V1	O	24 V DC	24 V DC power to ISCPWB
	6	+24V1	O	24 V DC	24 V DC power to ISCPWB
	7	+24V1	-	-	Not used
	8	+24V1	-	-	Not used
	9	GND	-	-	Ground
	10	GND	-	-	Ground
	11	GND	-	-	Ground
	12	GND	-	-	Ground
	13	GND	-	-	Ground
	14	GND	-	-	Ground
	15	GND	-	-	Ground
	16	GND	-	-	Ground
YC14 Connected to main PWB	1	+12V1	O	12 V DC	12 V DC power to MPWB
	2	+12V1	O	12 V DC	12 V DC power to MPWB
	3	+12V1	O	12 V DC	12 V DC power to MPWB
	4	+12V1	O	12 V DC	12 V DC power to MPWB
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC16	1	+24V1	O	24 V DC	24 V DC power to HVPWB1
Connected to high voltage PWB 1	2	+24V1	-	-	Not used
	3	+24V1	O	24 V DC	24 V DC power to HVPWB1
	4	PGND	-	-	Ground
	5	PGND	-	-	Not used
	6	PGND	-	-	Ground
YC17	1	POWER_OFF	I	0/3.3 V DC	Sleep mode signal: On/Off
Connected to feed PWB 1	2	DRUM_HEAT_RE M	I	0/3.3 V DC	FH: On/Off
	3	GND	-	-	Ground
	4	FSR_RELAY_RE M	I	0/3.3 V DC	Power relay signal: On/Off

2-3-4 ISC PWB

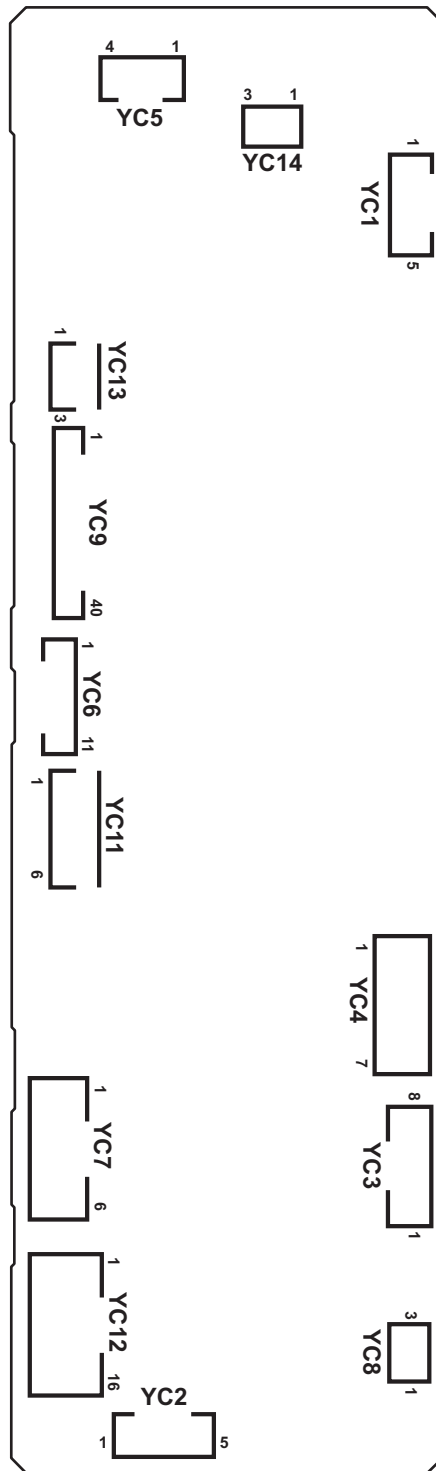


Figure 2-3-4 ISC PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC3 Connected to main PWB	1	SC_CLK	I	0/3.3 V DC (pulse)	Scanner clock signal
	2	SC_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
	3	SC_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
	4	SC_BSY	I	0/3.3 V DC	Scanner busy signal
	5	SC_HLDN	I	0/3.3 V DC	Scanner hold signal
	6	SC_DIR	I	0/3.3 V DC	Scanner communication direction signal
	7	SC_IRN	I	0/3.3 V DC	Scanner interrupt signal
	8	GND(SPARE)	-	-	Ground
YC4 Connected to main PWB	1	GND	-	-	Ground
	2	HTPDN	O	0/3.3 V DC	Control signal
	3	LOCKN	O	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	TX0N	O	0/3.3 V DC (pulse)	Transmission data signal
	6	TX0P	O	0/3.3 V DC (pulse)	Transmission data signal
	7	GND	-	-	Ground
YC5 Connected to scanner motor	1	SMOT AP	O	0/24 V DC (pulse)	SM drive control signal
	2	SMOT BP	O	0/24 V DC (pulse)	SM drive control signal
	3	SMOT AN	O	0/24 V DC (pulse)	SM drive control signal
	4	SMOT BN	O	0/24 V DC (pulse)	SM drive control signal
YC6 Connected to LED lamp PWB	1	+5V	O	5 V DC	5 V DC power to LLPWB
	2	FAIL	I	0/3.3 V DC	Error signal
	3	SDA	I/O	0/3.3 V DC	Data signal
	4	SCL	O	0/3.3 V DC (pulse)	Clock signal
	5	VSET	O	Analog	Analog voltage
	6	SGND	-	-	Ground
	7	PGND	-	-	Ground
	8	PWM	O	0/3.3 V DC	PWM signal
	9	POW	O	0/3.3 V DC	LED driver: On/Off
	10	+24V1	O	24 V DC	24 V DC power to LLPWB
	11	+24V1	O	24 V DC	24 V DC power to LLPWB
YC7 Connected to power source PWB	1	+24V1	I	24 V DC	24 V DC power from PSPWB
	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	+24V2	I	24 V DC	24 V DC power from PSPWB
	6	+24V2	I	24 V DC	24 V DC power from PSPWB

Connector	Pin	Signal	I/O	Voltage	Description	
YC8	1	+3.3V	O	3.3 V DC	3.3 V DC power to HPS	
	Connected to home position sensor	2	GND	-	-	Ground
		3	HP_SW	I	0/3.3 V DC	HPS: On/Off
YC9	1	GND	-	-	Ground	
	Connected to CCD PWB	2	CCDCLK1	O	0/3.3 V DC (pulse)	Clock signal
		3	GND	-	-	Ground
		4	CCDCLK2	O	0/3.3 V DC (pulse)	Clock signal
		5	GND	-	-	Ground
		6	CP	O	0/3.3 V DC	Clamp signal
		7	GND	-	-	Ground
		8	RS	O	0/3.3 V DC	Reset signal
		9	VSG	O	0/3.3 V DC	Control signal
		10	TG	O	0/3.3 V DC	Control signal
		11	SH	O	0/3.3 V DC	Shift gate signal
		12	AFE_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
		13	AFE_EN	O	0/3.3 V DC (pulse)	Enable signal
		14	AFE_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
		15	AFECLK	O	0/3.3 V DC (pulse)	Clock signal
		16	GND	-	-	Ground
		17	DIS_CIS_1P	I	0/3.3 V DC (pulse)	Image data signal
		18	DIS_CIS_1N	I	0/3.3 V DC (pulse)	Image data signal
		19	GND	-	-	Ground
		20	DIS_CIS_2P	I	0/3.3 V DC (pulse)	Image data signal
		21	DIS_CIS_2N	I	0/3.3 V DC (pulse)	Image data signal
		22	GND	-	-	Ground
		23	DIS_CIS_3P	I	0/3.3 V DC (pulse)	Image data signal
		24	DIS_CIS_3N	I	0/3.3 V DC (pulse)	Image data signal
		25	GND	-	-	Ground
		26	DIS_CIS_4P	I	0/3.3 V DC (pulse)	Image data signal
		27	DIS_CIS_4N	I	0/3.3 V DC (pulse)	Image data signal
		28	GND	-	-	Ground
		29	DIS_CIS_5P	I	0/3.3 V DC (pulse)	Image data signal
		30	DIS_CIS_5N	I	0/3.3 V DC (pulse)	Image data signal
		31	GND	-	-	Ground
		32	DIS_CISCKP	O	0/3.3 V DC (pulse)	Clock signal
		33	DIS_CISCKN	O	0/3.3 V DC (pulse)	Clock signal

Connector	Pin	Signal	I/O	Voltage	Description
YC9	34	GND	-	-	Ground
Connected to CCD PWB	35	CCDSEL	O	0/3.3 V DC	Select signal
	36	GND	-	-	Ground
	37	AFE_MCLK	O	0/3.3 V DC (pulse)	Clock signal
	38	GND(AFE_SHD)	-	-	Ground
	39	CLPIN	O	0/3.3 V DC	Clamp signal
	40	GND(AFE_SHP)	-	-	Ground
YC11	1	+5.1V	O	5 V DC	5 V DC power to CCDPWB
Connected to CCD PWB	2	GND	-	-	Ground
	3	+10V	O	DC10V	10 V DC power to CCDPWB
	4	GND	-	-	Ground
	5	+3.3V	O	3.3 V DC	3.3 V DC power to CCDPWB
	6	GND	-	-	Ground
YC12	1	GND(SPARE)	-	-	Ground
Connected to DP main PWB	2	DP_TMGS	I	0/3.3 V DC	DPTS: On/Off
	3	DP_RDY	I	0/3.3 V DC	ready signal
	4	DP_SEL	O	0/3.3 V DC	Select signal
	5	DP_CLK	O	0/3.3 V DC (pulse)	Clock signal
	6	DP_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
	7	DP_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
	8	DP_OPEN	I	0/3.3 V DC	DPOCSW: On/Off
	9	Reserve	-	-	Not used
	10	GND	-	-	Ground
	11	GND	-	-	Ground
	12	GND	-	-	Ground
	13	Reserve	-	-	Not used
	14	24V2	O	24 V DC	24 V DC power to DPMPWB
	15	24V2	O	24 V DC	24 V DC power to DPMPWB
	16	24V2	O	24 V DC	24 V DC power to DPMPWB
YC13	1	GND	-	-	Ground
Connected to original size sensor	2	ORG_SW	I	0/3.3 V DC	OSS: On/Off
	3	+5.1V	O	5 V DC	5 V DC power to OSS

Connector	Pin	Signal	I/O	Voltage	Description
YC14	1	+3.3V	O	3.3 V DC	3.3 V DC power to ODSW
Connected to original detection switch	2	GND	-	-	Ground
	3	CO_SW	I	0/3.3 V DC	ODSW: On/Off

2-3-5 Operation PWB 1

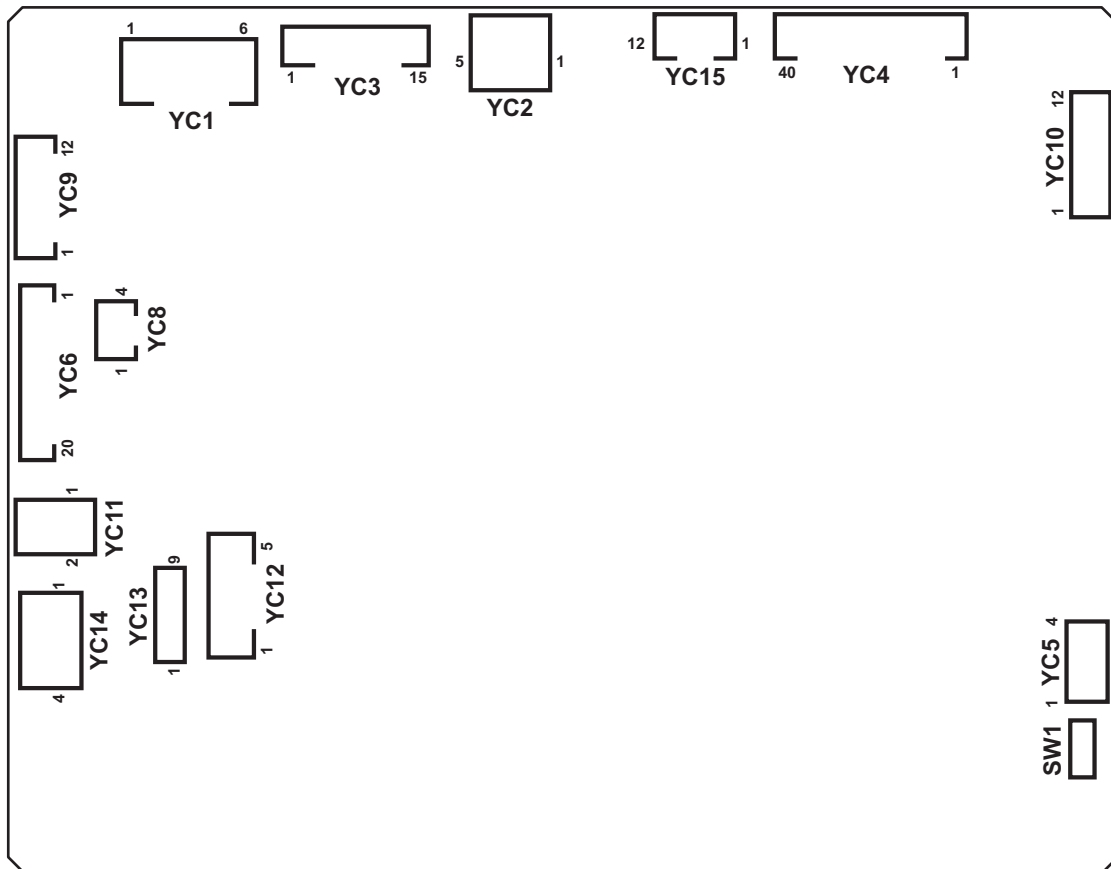


Figure 2-3-5 Operation PWB 1 silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to main PWB	1	+5V	I	5 V DC	5 V DC power from MPWB
	2	+5V	I	5 V DC	5 V DC power from MPWB
	3	+5V	I	5 V DC	5 V DC power from MPWB
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Ground
YC2 Connected to main PWB	1	VBUS	I	5 V DC	5 V DC power input
	2	DN	I/O	-	USB data signal
	3	DP	I/O	-	USB data signal
	4	ID	-	-	Not used
	5	GND	-	-	Ground
YC3 Connected to main PWB	1	GND	-	-	Ground
	2	SECOND_TRAY_SW	-	-	Not used
	3	BEEP_POWERON	I	0/3.3 V DC	Sleep return signal
	4	ENERGY_SAVE	I	0/3.3 V DC	Energy save signal
	5	SUPND_POWER	I	3.3 V DC	3.3 V DC power from MPWB
	6	LED_MEMORY_N	I	0/3.3 V DC	Memory LED control signal
	7	LED_ATTENTION_N	I	0/3.3 V DC	Attention LED control signal
	8	LED_PROCESSING_N	I	0/3.3 V DC	Processing LED control signal
	9	SHUT_DOWN	I	0/3.3 V DC	24 V down signal
	10	LIGHTOFF_POWERON	I	0/3.3 V DC	Sleep return signal
	11	AUDIO	I	Analog	Audio output signal
	12	PANEL RESET	I	0/3.3 V DC	Reset signal
	13	INT_POWERKEY_N	O	0/3.3 V DC	Power key: On/Off
	14	PANEL_STATUS	O	0/3.3 V DC	Operation panel status signal
	15	SGND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC4	1	SGND	-	-	Ground
Connected to LCD	2	SGND	-	-	Ground
	3	CK	O	0/3.3 V DC (pulse)	LCD clock signal
	4	SGND	-	-	Ground
	5	SGND	-	-	Ground
	6	SC	O	0/3.3 V DC	LCD Control signal
	7	R0(LSB)	O	0/3.3 V DC	LCD Control signal
	8	R1	O	0/3.3 V DC	LCD Control signal
	9	R2	O	0/3.3 V DC	LCD Control signal
	10	SGND	-	-	Ground
	11	R3	O	0/3.3 V DC	LCD Control signal
	12	R4	O	0/3.3 V DC	LCD Control signal
	13	R5(MSB)	O	0/3.3 V DC	LCD Control signal
	14	SGND	-	-	Ground
	15	G0(LSB)	O	0/3.3 V DC	LCD Control signal
	16	G1	O	0/3.3 V DC	LCD Control signal
	17	G2	O	0/3.3 V DC	LCD Control signal
	18	SGND	-	-	Ground
	19	G3	O	0/3.3 V DC	LCD Control signal
	20	G4	O	0/3.3 V DC	LCD Control signal
	21	G5(MSB)	O	0/3.3 V DC	LCD Control signal
	22	SGND	-	-	Ground
	23	B0(LSB)	O	0/3.3 V DC	LCD Control signal
	24	B1	O	0/3.3 V DC	LCD Control signal
	25	B2	O	0/3.3 V DC	LCD Control signal
	26	SGND	-	-	Ground
	27	B3	O	0/3.3 V DC	LCD Control signal
	28	B4	O	0/3.3 V DC	LCD Control signal
	29	B5(MSB)	O	0/3.3 V DC	LCD Control signal
	30	SGND	-	-	Ground
	31	H_SYNC	O	0/3.3 V DC (pulse)	LCD horizontal synchronization signal
	32	SGND	-	-	Ground
	33	V_SYNC	O	0/3.3 V DC (pulse)	LCD vertical synchronization signal
	34	SGND	-	-	Ground
	35	ENB	O	0/3.3 V DC	LCD enable signal
	36	CM	O	0/3.3 V DC	LCD mode switch signal

Connector	Pin	Signal	I/O	Voltage	Description	
YC4	37	3.3V	O	3.3 V DC	3.3 V DC power to LCD	
	Connected to LCD	38	3.3V	O	3.3 V DC	3.3 V DC power to LCD
		39	3.3V	O	3.3 V DC	3.3 V DC power to LCD
		40	3.3V	O	3.3 V DC	3.3 V DC power to LCD
YC5	1	TOP Y+	I	Analog	Touch panel Y+ position signal	
	Connected to touch panel	2	LEFT X+	I	Analog	Touch panel X+ position signal
		3	BOT Y-	I	Analog	Touch panel Y- position signal
		4	RIGHT X-	I	Analog	Touch panel X- position signal
YC6	1	KEY4	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 4	
	Connected to operation PWB 2	2	SCAN2	O	0/3.3 V DC (pulse)	Scan signal 2
		3	INT_POWERKEY_N	I	0/3.3 V DC	Power key: On/Off
		4	SCAN1	O	0/3.3 V DC (pulse)	Scan signal 1
		5	LED1	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 1
		6	SUPND_POWER	O	3.3 V DC	3.3 V DC power to OPWB2
		7	KEY3	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 3
		8	KEY2	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 2
		9	KEY1	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 1
		10	LED0	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 0
		11	KEY0	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 0
		12	SCAN4	O	0/3.3 V DC (pulse)	Scan signal 4
		13	SCAN3	O	0/3.3 V DC (pulse)	Scan signal 3
		14	SCAN0	O	0/3.3 V DC (pulse)	Scan signal 0
		15	GND	-	-	Ground
		16	GND	-	-	Ground
		17	GND	-	-	Ground
		18	GND	-	-	Ground
		19	GND	-	-	Ground
		20	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC7	1	SCAN4	O	0/3.3 V DC (pulse)	Scan signal 4
Connected to operation PWB 2	2	KEY5	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 5
	3	KEY6	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 6
	4	KEY7	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 7
	5	SCAN0	O	0/3.3 V DC (pulse)	Scan signal 0
	6	SCAN1	O	0/3.3 V DC (pulse)	Scan signal 1
	7	SCAN2	O	0/3.3 V DC (pulse)	Scan signal 2
	8	SCAN3	O	0/3.3 V DC (pulse)	Scan signal 3
	9	LED2	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 2
	10	LED3	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 3
	11	LED4	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 4
	12	GND	-	-	Ground
YC8	1	PROCESSING_LED	O	0/3.3 V DC	Processing LED control signal
Connected to operation PWB 3	2	MEMORY_LED	O	0/3.3 V DC	Memory LED control signal
	3	ATTENTION_LED	O	0/3.3 V DC	Attention LED control signal
	4	GND	-	-	Ground
YC11	1	VO2	O	Analog	Speaker sound signal (+)
Connected to speaker	2	VO1	O	Analog	Speaker sound signal (-)
YC14	1	LED_A	O	0/3.3 V DC	LED control signal
Connected to LCD	2	NC	-	-	Not used
	3	LED_C	I	0/3.3 V DC	LED control signal
	4	NC	-	-	Not used

2-3-6 Front PWB

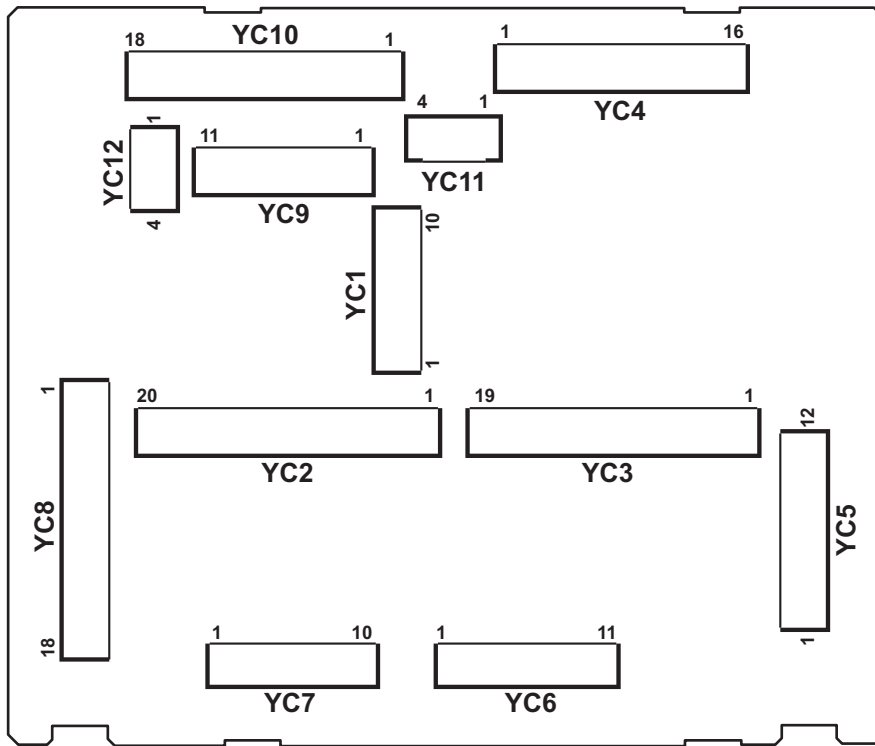


Figure 2-3-6 Front PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to engine PWB	1	+3.3V1	I	3.3 V DC	3.3 V DC power from EPWB
	2	+3.3V2	I	3.3 V DC	3.3 V DC power from EPWB
	3	+5V	I	5 V DC	5 V DC power from EPWB
	4	+24V	I	24 V DC	24 V DC power from EPWB
	5	+24V	I	24 V DC	24 V DC power from EPWB
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground
	9	GND	-	-	Ground
	10	GND	-	-	Ground
YC2 Connected to engine PWB	1	EXIT_FAN_REM	I	0/24 V DC	EFFM: On/Off
	2	CONTAIN_FAN_REM	-	-	Not used
	3	ERS_Bk_REM	I	0/24 V DC	CL: On/Off
	4	EEP_SDA1	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	5	EEP_SCL1	I	0/3.3 V DC (pulse)	EEPROM clock signal
	6	GND	-	-	Ground
	7	TN_CLK	I	0/3.3 V DC (pulse)	Clock signal
	8	TPD_Bk_1	O	Analog	DEVPWB detection signal
	9	DLP_VCONT_Bk_1	I	0/3.3 V DC	DEVPWB control signal
	10	TPD_TEMP_Bk	O	Analog	Developer thermistor detection signal
	11	LSU_FAN	I	0/24 V DC	LSUFM: On/Off
	12	FRONT_OPEN	O	0/3.3 V DC	FRCSW: On/Off
	13	I2C_SCL	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	14	I2C_SDA	I	0/3.3 V DC (pulse)	EEPROM clock signal
	15	WTNR_LED	I	0/3.3 V DC (pulse)	WTS1 LED emitter signal
	16	WTNR_NEAR	O	Analog	WTS2 detection signal
	17	WTNR_NEAR_VCONT	I	0/3.3 V DC	WTS2 control signal
	18	WTNR_FULL	O	Analog	WTS1 detection signal
	19	WTNR_FULL_VCONT	I	0/3.3 V DC	WTS1 control signal
	20	WTNR_SET	O	Analog	WTS2 detection signal

Connector	Pin	Signal	I/O	Voltage	Description
YC3 Connected to engine PWB	1	JUNC_SOL_RET	I	0/24 V DC	FSSOL: On/Off (RET)
	2	JUNC_SOL_REM	I	0/24 V DC	FSSOL: On/Off (ACT)
	3	GND	-	-	Ground
	4	EXIT_PAPER_SENS	O	0/3.3 V DC	ES: On/Off
	5	EXIT_FEED_SENS	O	0/3.3 V DC	SBS: On/Off
	6	SB_MOT_REM	I	0/3.3 V DC	EM: On/Off
	7	SB_MOT_DIR	I	0/3.3 V DC	EM drive switch signal
	8	SB_MOT_PD	I	0/3.3 V DC	EM control signal
	9	SB_MOT_CLK	I	0/3.3 V DC (pulse)	EM clock signal
	10	SB_MOT_PH	I	0/3.3 V DC	EM control signal
	11	ENCODE_Bk	O	0/3.3 V DC	SRS: On/Off
	12	THOP_Bk	O	0/3.3 V DC	THS: On/Off
	13	THOP_MOT_REM	I	0/3.3 V DC	THM: On/Off
	14	THOP_MOT_DIR	I	0/3.3 V DC	THM drive switch signal
	15	DLP_FAN_H	I	0/24 V DC	DEVFM: On/Off
	16	DLP_FAN_L	I	0/24 V DC	DEVFM: On/Off
	17	ROT_HP_SENS	O	0/3.3 V DC	DEVSS: On/Off
	18	INTER_LOCK	-	-	Not used
	19	NC	-	-	Not used
YC4 Connected to eject unit	1	GND	-	-	Ground
	2	ROT_HP_SENS	I	0/3.3 V DC	DEVSS: On/Off
	3	+5V	O	5 V DC	5 V DC power to DEVSS
	4	SB_CORE B/	O	0/24 V DC (pulse)	EM drive control signal
	5	SB_CORE A/	O	0/24 V DC (pulse)	EM drive control signal
	6	SB_CORE B	O	0/24 V DC (pulse)	EM drive control signal
	7	SB_CORE A	O	0/24 V DC (pulse)	EM drive control signal
	8	GND	-	-	Ground
	9	EXIT_FEED_SENS	I	0/3.3 V DC	SBS: On/Off
	10	5V	O	5 V DC	5 V DC power to SBS
	11	GND	-	-	Ground
	12	EXIT_PAPER_SENS	I	0/3.3 V DC	ES: On/Off
	13	5V	O	5 V DC	5 V DC power to ES
	14	+24V1	O	24 V DC	24 V DC power to FSSOL
	15	JUNC_SOL_REM	O	0/24 V DC	FSSOL: On/Off (REM)
	16	JUNC_SOL_RET	O	0/24 V DC	FSSOL: On/Off (RET)

Connector	Pin	Signal	I/O	Voltage	Description
YC5 Connected to inner unit	1	+24V1	O	24 V DC	24 V DC power to DEVFM1
	2	DRUM_AIR_FAN	O	0/24 V DC	DEVFM1: On/Off
	3	+24V1	O	24 V DC	24 V DC power to DEVFM2
	4	DRUM_DLP_FAN	O	0/24 V DC	DEVFM2: On/Off
	5	THOP_MOT_BK	O	0/24 V DC	THM: On/Off
	6	+24V	O	24 V DC	24 V DC power to THM
	7	GND	-	-	Ground
	8	THOP_Bk	I	0/3.3 V DC	THS: On/Off
	9	+5V	O	5 V DC	5 V DC power to THS
	10	GND	-	-	Ground
	11	ENCODE_Bk	I	0/3.3 V DC	SRS: On/Off
	12	+5V	O	5 V DC	5 V DC power to SRS
YC6 Connected to drum unit	1	3.3V2	O	3.3 V DC	3.3 V DC power to DRPWB
	2	EEP_SCL1	O	0/3.3 V DC (pulse)	EEPROM clock signal
	3	EEP_SDA1	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	4	GND	-	-	Ground
	5	DRM_ADR0_Bk	-	-	Not used
	6	DRM_ADR1_Bk	-	-	Not used
	7	24V	O	24 V DC	24 V DC power to CL
	8	ERS_Bk_REM	O	0/24 V DC	CL: On/Off
	24V	-	-	Not used	
	ERS_REM_PRE	-	-	Not used	
8	NC	-	-	Not used	
YC7 Connected to developer unit	1	TPD_TEMP_BK	I	Analog	Developer thermistor detection signal
	2	DLP_VCONT_BK_1	O	0/3.3 V DC	DEVPWB control signal
	3	TPD_BK_1	I	Analog	DEVPWB detection signal
	4	TN_CLK_BK	O	0/3.3 V DC (pulse)	Clock signal
	5	GND	-	-	Ground
	6	DLP_ADR1_BK	-	-	Not used
	7	DLP_ADR0_BK	-	-	Not used
	8	EEP_SDA1	I/O	0/3.3 V DC (pulse)	EEPROM data signal
	9	EEP_SCL1	O	0/3.3 V DC (pulse)	EEPROM clock signal
	10	3.3V2	O	3.3 V DC	3.3 V DC power to DEVPWB

Connector	Pin	Signal	I/O	Voltage	Description
YC8 Connected to outer temperature sensor, front cover switch, LSU fan motor and waste toner sensor	1	WTNR_SET	I	Analog	WTS2 detection signal
	2	GND	-	-	Ground
	3	5V	O	5 V DC	5 V DC power to WTS1
	4	WTNR_FULL	I	Analog	WTS1 detection signal
	5	WTNR_LED	O	0/3.3 V DC (pulse)	WTS1 LED emitter signal
	6	5V_LED	O	5 V DC	5 V DC power to WTS1
	7	5V	O	5 V DC	5 V DC power to WTS2
	8	WTNR_NEAR	-	-	Not used
	9	WTNR_LED	-	-	Not used
	10	5V_LED	-	-	Not used
	11	3.3V1	O	3.3 V DC	3.3 V DC power to OTEM
	12	I2C_SDA	I	0/3.3 V DC (pulse)	EEPROM data signal
	13	GND	-	-	Ground
	14	I2C_SCL	O	0/3.3 V DC (pulse)	EEPROM clock signal
	15	FRONT_OPEN	O	0/3.3 V DC	FRCSW: On/Off
	16	GND	-	-	Ground
	17	24V	O	24 V DC	24 V DC power to LSUFM
	18	LSU_FAN	O	DC0V/243V	LSUFM: On/Off
YC9 Connected to engine PWB	1	ROT_MOT_REM	-	-	Not used
	2	ROT_MOT_CLK	-	-	Not used
	3	ROT_MOT_DIR	-	-	Not used
	4	ROT_MOT_PD	-	-	Not used
	5	GND	-	-	Ground
	6	IH_COIL_FAN_H	I	0/24 V DC	FUFFM: On/Off
	7	IH_COIL_FAN_L	I	0/24 V DC	FUFFM: On/Off
	8	IH_COIL_FAN_ALARM	O	0/3.3 V DC	FUFFM alarm signal
	9	IH_CORE_SENS	O	0/3.3 V DC	IHCS: On/Off
	10	IH_CORE_MOT_CLOCK	I	0/3.3 V DC (pulse)	IHCM clock signal
	11	IH_CORE_MOT_REM	I	0/3.3 V DC	IHCM: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC10	1	5V	-	-	Not used
Connected to eject PWB	2	LED	-	-	Not used
	3	5V	O	5 V DC	5 V DC power to LEDPWB
	4	LED	O	0/5 V DC	LED: On/Off
	5	ROT_MOT_REM	-	-	Not used
	6	ROT_MOT_CLK	-	-	Not used
	7	ROT_MOT_DIR	-	-	Not used
	8	ROT_MOT_PD	-	-	Not used
	9	GND	-	-	Ground
	10	24V	O	24 V DC	24 V DC power to EJPWB
	11	24V	O	24 V DC	24 V DC power to EJPWB
	12	IH_COIL_FAN	O	0/24 V DC	FUFFM: On/Off
	13	GND	-	-	Ground
	14	GND	-	-	Ground
	15	IH_COIL_FAN_AL M	I	0/3.3 V DC	FUFFM alarm signal
	16	IH_CORE_SENS	I	0/3.3 V DC	IHCS: On/Off
	17	IH_CORE_MOT_C LK	O	0/3.3 V DC (pulse)	IHCM clock signal
	18	IH_CORE_MOT_R EM	O	0/3.3 V DC	IHCM: On/Off
YC11	1	EXIT FAN	O	0/24 V DC	EFFM: On/Off
Connected to eject front fan motor	2	24V	O	24 V DC	24 V DC power to EFFM
	3	24V	-	-	Not used
	4	CONTAINER_FAN	-	-	Not used

2-3-7 Feed PWB 1

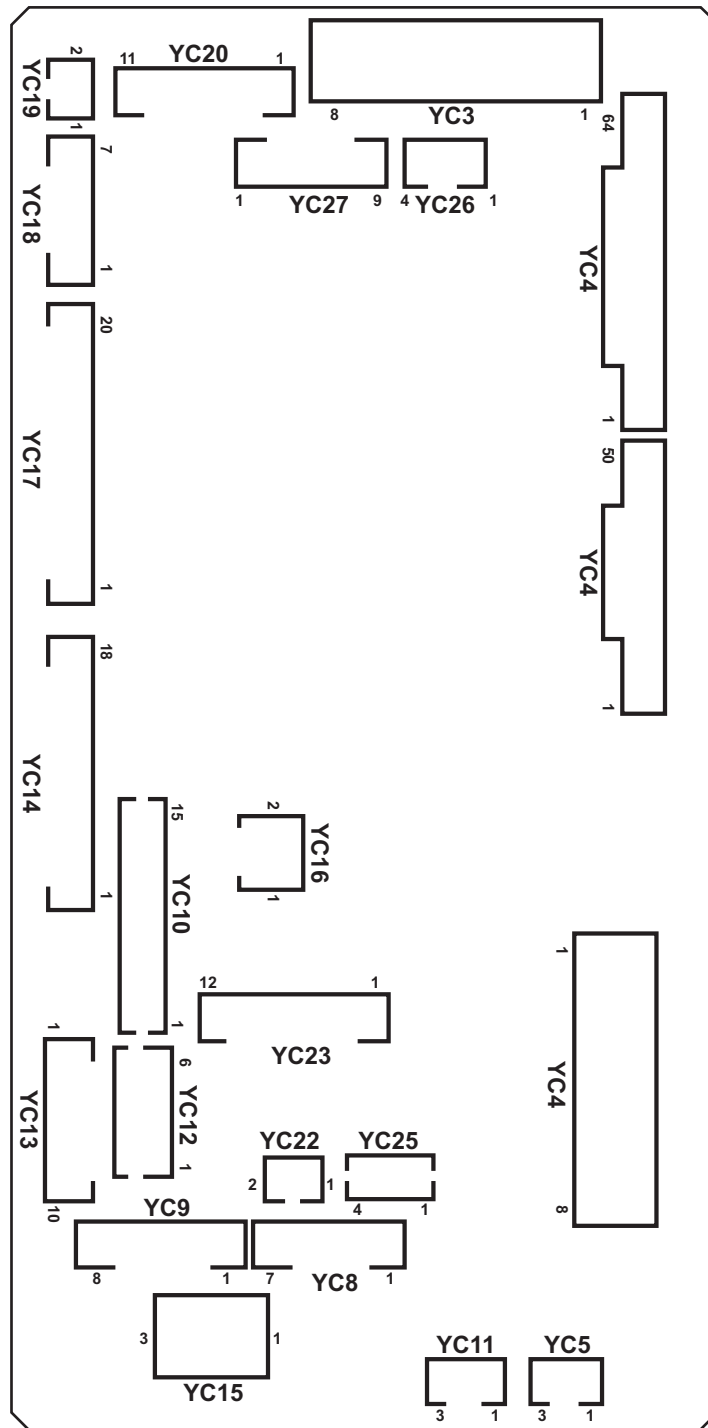


Figure 2-3-7 Feed PWB 1 silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1	1	GND	-	-	Ground
Connected to engine PWB	2	DU1_MOT_CLK	I	0/3.3 V DC (pulse)	DUM1 clock signal
	3	DU1_MOT_PD	I	0/3.3 V DC	DUM1 control signal
	4	EDGE_FAN_H	I	0/24 V DC	EFM1,2: On/Off
	5	EDGE_FAN_L	I	0/24 V DC	EFM1,2: On/Off
	6	LOOP_SENS	O	0/3.3 V DC	LPS: On/Off
	7	REG_BK_LED	I	Analog	IDS control signal
	8	REG_BK_SENS1_P	O	Analog	IDS detection signal
	9	REG_BK_SENS1_S	O	Analog	IDS detection signal
	10	GND	-	-	Ground
	11	BELT_JAM_SENS	-	-	Not used
	12	DU_SENS	O	0/3.3 V DC	DUS2: On/Off
	13	PRESS_RLS_SENS	-	-	Not used
	14	PRESS_MOT_REM2	-	-	Not used
	15	PRESS_MOT_REM1	-	-	Not used
	16	DU_FAN	I	0/24 V DC	DUFM: On/Off
	17	DU_OPEN	O	0/3.3 V DC	DUCSW: On/Off
	18	DU2_REM_CL_LOW	I	0/3.3 V DC	DUM2/DUCL2: On/Off
	19	DU2_CLK	I	0/3.3 V DC (pulse)	DUM2 clock signal
	20	DU2_PD	I	0/3.3 V DC	DUM2 control signal
	21	INTER_LOCK	-	-	Not used
	22	TC_TONER_VCONT	-	-	Not used
	23	TC_TONER_FULL	-	-	Not used
	24	TC_TONER_LED	-	-	Not used
	25	TC_MOT_LOCK	-	-	Not used
	26	TC_MOT_REM	-	-	Not used
	27	GND	-	-	Ground
	28	MPF_LIFT1	I	0/24 V DC	MPLM: On/Off
	29	MPF_LIF2	I	0/24 V DC	MPLM: On/Off
	30	MPF_CL_REM	I	0/24 V DC	MPPFCL: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC1	31	MPF_JAM	O	0/3.3 V DC	MPFS: On/Off
Connected to engine PWB	32	MPF_LIFT_DOWN	O	0/3.3 V DC	MPLS2: On/Off
	33	MPF_LIFT_UP	O	0/3.3 V DC	MPLS1: On/Off
	34	MPF_PPR_SET	O	0/3.3 V DC	MPPS: On/Off
	35	3.3V3	I	3.3 V DC	3.3 V DC power from EPWB
	36	MPF_LNG	O	0/3.3 V DC	MPPLSW: On/Off
	37	MPF_WID3	O	0/3.3 V DC	MPPWSW: On/Off
	38	MPF_WID2	O	0/3.3 V DC	MPPWSW: On/Off
	39	MPF_WID1	O	0/3.3 V DC	MPPWSW: On/Off
	40	MPF_TABLE	O	0/3.3 V DC	MPTSW: On/Off
	41	FSR_MOT_BRK	I	0/3.3 V DC	FUM break signal
	42	FSR_MOT_DIR	I	0/3.3 V DC	FUM drive switch signal
	43	GND	-	-	Ground
	44	FSR_MOT_RDY	I	0/3.3 V DC	FUM ready signal
	45	FSR_MOT_CLK	I	0/3.3 V DC (pulse)	FUM clock signal
	46	FSR_MOT_REM	I	0/3.3 V DC	FUM: On/Off
	47	FSR_CL	-	-	Not used
	48	MAIN_HEAT	I	0/3.3 V DC	FH1: On/Off
	49	SUB_HEAT	I	0/3.3 V DC	FH2: On/Off
	50	ZEROC	I	0/3.3 V DC (pulse)	Zero-cross signal
	51	EXIT_REAR_FAN_H	I	0/24 V DC	ERFM: On/Off
	52	EXIT_REAR_FAN_L	I	0/24 V DC	ERFM: On/Off
	53	GND	-	-	Ground
	54	JOB_SOL_REM	I	0/24 V DC	JSFSSOL: On/Off
	55	JOB_OPEN_SENS	O	0/3.3 V DC	JSES: On/Off
	56	JOB_MOT_DIR	I	0/3.3 V DC	JSEM drive switch signal
	57	JOB_MOT_CLK	I	0/3.3 V DC (pulse)	JSEM clock signal
	58	JOB_MOT_REM	I	0/3.3 V DC	JSEM: On/Off
	59	JOB_SET	O	0/3.3 V DC	Job separator set signal
	60	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC2	1	GND	-	-	Ground
Connected to engine PWB	2	FSR_RELAY	I	0/3.3 V DC	Fuser relay signal
	3	DRM_HEAT	-	-	Not used
	4	POWER_OFF	I	0/3.3 V DC	Power off signal
	5	M_TEMP	-	-	Not used
	6	REG_F_LED	-	-	Not used
	7	REG_SENS_F_P	-	-	Not used
	8	GND	-	-	Ground
	9	REG_SENS_F_S	-	-	Not used
	10	REG_R_LED	-	-	Not used
	11	REG_SENS_R_P	-	-	Not used
	12	REG_SENS_R_S	-	-	Not used
	13	CLN_SOL_REM	I	0/24 V DC	CLSOL: On/Off (ACT)
	14	CLN_SOL_RET	I	0/24 V DC	CLSOL: On/Off (RET)
	15	GND	-	-	Ground
	16	REG_MOT_REM(CL)	I	0/3.3 V DC	RM/RCL: On/Off
	17	REG_MOT_CLK	I	0/3.3 V DC (pulse)	RM clock signal
	18	REG_MOT_PD	I	0/3.3 V DC	RM control signal
	19	IH_PWB_FAN_ALARM	O	0/3.3 V DC	HFM alarm signal
	20	IH_PWB_FAN_H	I	0/24 V DC	HFM: On/Off
	21	IH_PWB_FAN_L	I	0/24 V DC	HFM: On/Off
	22	DLP_MOT_CLR_DIR	-	-	Not used
	23	DLP_MOT_CLR_RDY	-	-	Not used
	24	DLP_MOT_CLR_CLK	-	-	Not used
	25	DLP_MOT_CLR_REM	-	-	Not used
	26	GND	-	-	Ground
	27	DRM_MOT_CLR_DIR	-	-	Not used
	28	DRM_MOT_CLR_RDY	-	-	Not used
	29	DRM_MOT_CLR_CLK	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC2	30	DRM_MOT_CLR_REM	-	-	Not used
Connected to engine PWB	31	DLP_MOT_BK_DIR	I	0/3.3 V DC	DEVM drive switch signal
	32	DLP_MOT_BK_RDY	O	0/3.3 V DC	DEVM ready signal
	33	DLP_MOT_BK_CLK	I	0/3.3 V DC (pulse)	DEVM clock signal
	34	DLP_MOT_BK_REM	I	0/3.3 V DC	DEVM: On/Off
	35	DRM_MOT_BK_BRK	I	0/3.3 V DC	DRM break signal
	36	DRM_MOT_BK_DIR	I	0/3.3 V DC	DRM drive switch signal
	37	DRM_MOT_BK_RDY	O	0/3.3 V DC	DRM ready signal
	38	DRM_MOT_BK_CLK	I	0/3.3 V DC (pulse)	DRM clock signal
	39	DRM_MOT_BK_REM	I	0/3.3 V DC	DRM: On/Off
	40	GND	-	-	Ground
	41	TRANS_MOT_BRK	I	0/3.3 V DC	TCM break signal
	42	TRANS_MOT_DIR	I	0/3.3 V DC	TCM drive switch signal
	43	TRANS_MOT_RDY	O	0/3.3 V DC	TCM ready signal
	44	TRANS_MOT_CLK	I	0/3.3 V DC (pulse)	TCM clock signal
	45	TRANS_MOT_REM	I	0/3.3 V DC	TCM: On/Off
	46	TCON_SET	-	-	Not used
	47	DU_ENTER_SENS	O	0/3.3 V DC	DUS1: On/Off
	48	EXIT_FAN	I	0/24 V DC	EFM: On/Off
	49	DU_MOT_REM	I	0/3.3 V DC	DUM1/DUCL1: On/Off
	50	GND	-	-	Ground
YC3	1	+24V1	O	24 V DC	24 V DC power to EPWB
Connected to engine PWB	2	+24V1	O	24 V DC	24 V DC power to EPWB
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	+12V	O	12 V DC	12 V DC power to EPWB
	6	GND	-	-	Ground
	7	+5V	O	5 V DC	5 V DC power to EPWB
	8	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC4 Connected to power source PWB	1	+24V1	I	24 V DC	24 V DC power from PSPWB
	2	+24V1	I	24 V DC	24 V DC power from PSPWB
	3	+24V1	I	24 V DC	24 V DC power from PSPWB
	4	+12V	I	12 V DC	12 V DC power from PSPWB
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground
YC5 Connected to power source PWB	1	GND	-	-	Ground
	2	DRM_HEAT_REM	O	0/3.3 V DC	FH: On/Off
	3	POWER_OFF	O	0/3.3 V DC	Sleep mode signal: On/Off
YC8 Connected to developer motor	1	NC	-	-	Not used
	2	DLP_MOT_Bk_DIR	O	0/3.3 V DC	DEVM drive switch signal
	3	DLP_MOT_Bk_RDY	I	0/3.3 V DC	DEVM ready signal
	4	DLP_MOT_Bk_CLK	O	0/3.3 V DC (pulse)	DEVM clock signal
	5	DLP_MOT_Bk_REM	O	0/24 V DC	DEVM: On/Off
	6	GND	-	-	Ground
	7	24V2	O	24 V DC	24 V DC power to DEVM
YC9 Connected to drum motor	1	NC	-	-	Not used
	2	DRM_MOT_Bk_BREAK	O	0/3.3 V DC	DRM break signal
	3	DRM_MOT_Bk_DIR	O	0/3.3 V DC	DRM drive switch signal
	4	DRM_MOT_Bk_RDY	I	0/3.3 V DC	DRM ready signal
	5	DRM_MOT_Bk_CLK	O	0/3.3 V DC (pulse)	DRM clock signal
	6	DRM_MOT_Bk_REM	O	0/24 V DC	DRM: On/Off
	7	GND	-	-	Ground
	8	24V2	O	24 V DC	24 V DC power to DRM

Connector	Pin	Signal	I/O	Voltage	Description
YC11 Connected to IH fan motor	1	+24V1	O	24 V DC	24 V DC power to IHFM
	2	IH_PWB_FAN	O	0/24 V DC	IHFM: On/Off
	3	IH_PWB_FAN_AL M	I	0/3.3 V DC	IHFM alarm signal
	4	+12V	-	-	Not used
	5	IH_PWB_FAN2	-	-	Not used
	6	IH_PWB_FAN2_AL M	-	-	Not used
YC12 Connected to feed PWB 2	1	+24V2	O	24 V DC	24 V DC power to FPWB2
	2	+24V2	O	24 V DC	24 V DC power to FPWB2
	3	+5V	O	5 V DC	5 V DC power to FPWB2
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Ground
YC13 Connected to relay PWB	1	TRANS_MOT_BRK	O	0/3.3 V DC	TRM break signal
	2	TRANS_MOT_DIR	O	0/3.3 V DC	TRM drive switch signal
	3	TRANS_MOT_RDY	I	0/3.3 V DC	TRM ready signal
	4	TRANS_MOT_CLK	O	0/3.3 V DC (pulse)	TRM clock signal
	5	TRANS_MOT_RE M	O	0/24 V DC	TRM: On/Off
	6	GND	-	-	Ground
	7	24V2	O	24 V DC	24 V DC power to TRM
	8	GND	-	-	Not used
	9	24V2	-	-	Not used
	10	TANK_SET	-	-	Not used
YC14 Connected to relay PWB	1	REG_BK_LED	O	Analog	IDS control signal
	2	REG_BK_SENS1_ P	I	Analog	IDS detection signal
	3	REG_BK_SENS1_ S	I	Analog	IDS detection signal
	4	BELT_JAM_SENS	-	-	Not used
	5	DU_SENS	I	0/3.3 V DC	DUS2: On/Off
	6	PRESS_RLS_SEN S	-	-	Not used
	7	5V	O	5 V DC	5 V DC power to RYPWB
	8	PRESS_RLSMOT2 1	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC14	9	PRESS_RLSMOT2	-	-	Not used
Connected to relay PWB	10	24V2	O	24 V DC	24 V DC power to RYPWB
	11	DU_FAN	O	0/24 V DC	DUFM: On/Off
	12	DU_CL_LOWER_REM	O	0/24 V DC	DUCL2: On/Off
	13	DU_OPEN_SW	I	0/3.3 V DC	DUCSW: On/Off
	14	DU2_B/	O	0/24 V DC (pulse)	DUM2 drive control signal
	15	DU2_A/	O	0/24 V DC (pulse)	DUM2 drive control signal
	16	DU2_B	O	0/24 V DC (pulse)	DUM2 drive control signal
	17	DU2_A	O	0/24 V DC (pulse)	DUM2 drive control signal
	18	GND	-	-	Ground
YC15	1	+24V1	O	24 V DC	24 V DC power to PCUSW
Connected to paper conveying unit switch	2	N.C	-	-	Not used
	3	+24V2	I	24 V DC	24 V DC power from PCUSW
YC16	1	+24V2	O	24 V DC	24 V DC power to HVPWB
Connected to high voltage PWB	2	GND	-	-	Ground
YC17	1	GND	-	-	Ground
Connected to relay PWB	2	GND	-	-	Ground
	3	CL_SOL_REM	O	0/24 V DC	CLSOL: On/Off
	4	24V2	O	24 V DC	24 V dc power to CLSOL
	5	MPF_LIFT_MOT_B	O	0/24 V DC	MPLM: On/Off
	6	MPF_LIFT_MOT_A	O	0/24 V DC	MPLM: On/Off
	7	24V2	O	24 V DC	24 V dc power to RYPWB
	8	MPF_CL_REM	O	0/24 V DC	MPPFCL: On/Off
	9	MPF_JAM_SENS	I	0/3.3 V DC	MPFS: On/Off
	10	MPF_LIFT_DOWN_SENS	I	0/3.3 V DC	MPLS2: On/Off
	11	MPF_LIFT_UP_SENS	I	0/3.3 V DC	MPLS1: On/Off
	12	MPF_PPR_SET	I	0/3.3 V DC	MPPS: On/Off
	13	LED_3.3V3	O	3.3 V DC	3.3 V DC power to RYPWB
	14	MPF_LNG	I	0/3.3 V DC	MPPLSW: On/Off
	15	MPF_WID3	I	0/3.3 V DC	MPPWSW: On/Off
	16	MPF_WID2	I	0/3.3 V DC	MPPWSW: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC17 Connected to relay PWB	17	MPF_WID1	I	0/3.3 V DC	MPPWSW: On/Off
	18	MPF_TABLE	I	0/3.3 V DC	MPTSW: On/Off
	19	GND	-	-	Ground
	20	GND	-	-	Ground
YC18 Connected to fuser motor	1	FSR_MOT_BRK	O	0/3.3 V DC	FUM break signal
	2	FSR_MOT_DIR	O	0/3.3 V DC	FUM drive switch signal
	3	FSR_MOT_RDY	I	0/3.3 V DC	FUM ready signal
	4	FSR_MOT_CLK	O	0/3.3 V DC (pulse)	FUM clock signal
	5	FSR_MOT_REM	O	0/24 V DC	FUM: On/Off
	6	GND	-	-	Ground
	7	24V2	O	24 V DC	24 V DC power to FUM
YC19 Connected to eject rear fan motor	1	EXIT_REAR_FAN	O	0/24 V DC	ERFM: On/Off
	2	+24V1	O	24 V DC	24 V DC power to ERFM
YC20 Connected to job separator	1	JOB_SET	I	0/3.3 V DC	Job separator set signal
	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	JOB_MOT_REM	O	0/24 V DC	JSEM: On/Off
	5	24V1	O	24 V DC	24 V DC power to JSMPWB
	6	JOB_MOT_CLK	O	0/3.3 V DC (pulse)	JSEM clock signal
	7	5V	O	5 V DC	5 V DC power to JSMPWB
	8	JOB_MOT_DIR	O	0/3.3 V DC	JSEM drive switch signal
	9	JOB_OPEN_SENS	I	0/3.3 V DC	JSES: On/Off
	10	JOB_SOL_REM	O	0/24 V DC	JSFSSOL: On/Off
	11	NC	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC23 Connected to relay PWB	1	DU_ENTER_SENS	I	0/3.3 V DC	DUS1: On/Off
	2	EXIT_FAN	O	0/24 V DC	EFM: On/Off
	3	24V2	O	24 V DC	24 V DC power to RYPWB
	4	DU_CL_UPPER_REM	O	0/24 V DC	DUCL1: On/Off
	5	GND	-	-	Ground
	6	DU1_B/	O	0/24 V DC (pulse)	DUM1 drive control signal
	7	DU1_A/	O	0/24 V DC (pulse)	DUM1 drive control signal
	8	DU1_B	O	0/24 V DC (pulse)	DUM1 drive control signal
	9	DU1_A	O	0/24 V DC (pulse)	DUM1 drive control signal
	10	EDGE_FAN_REM	O	0/24 V DC	FUFM: On/Off
	11	EDGE_FAN_REM	O	0/24 V DC	FUFM: On/Off
	12	LOOP_SENS	I	0/3.3 V DC	LPS: On/Off
YC25 Connected to registration motor	1	REG_MOT_B/	O	0/24 V DC (pulse)	RM drive control signal
	2	REG_MOT_A/	O	0/24 V DC (pulse)	RM drive control signal
	3	REG_MOT_B	O	0/24 V DC (pulse)	RM drive control signal
	4	REG_MOT_A	O	0/24 V DC (pulse)	RM drive control signal
YC26 Connected to engine PWB	1	3.3V2	O	3.3 V DC	3.3 V DC power to EPWB
	2	3.3V3	O	3.3 V DC	3.3 V DC power to EPWB
	3	GND	-	-	Ground
	4	GND	-	-	Ground
YC27 Connected to fuser IH PWB	1	MAIN_HEAT_REM	-	-	Not used
	2	SUB_HEAT_REM	-	-	Not used
	3	+24V2	O	24 V DC	24 V DC power to FIHPWB
	4	ZEROC	-	-	Not used
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	FSR_RELAY	O	0/3.3 V DC	Fuser relay signal
	8	+24V1	O	24 V DC	24 V DC power to FIHPWB
	9	PRESS_REM	O	24 V DC	Fuser heater remote signal

2-3-8 Feed PWB 2

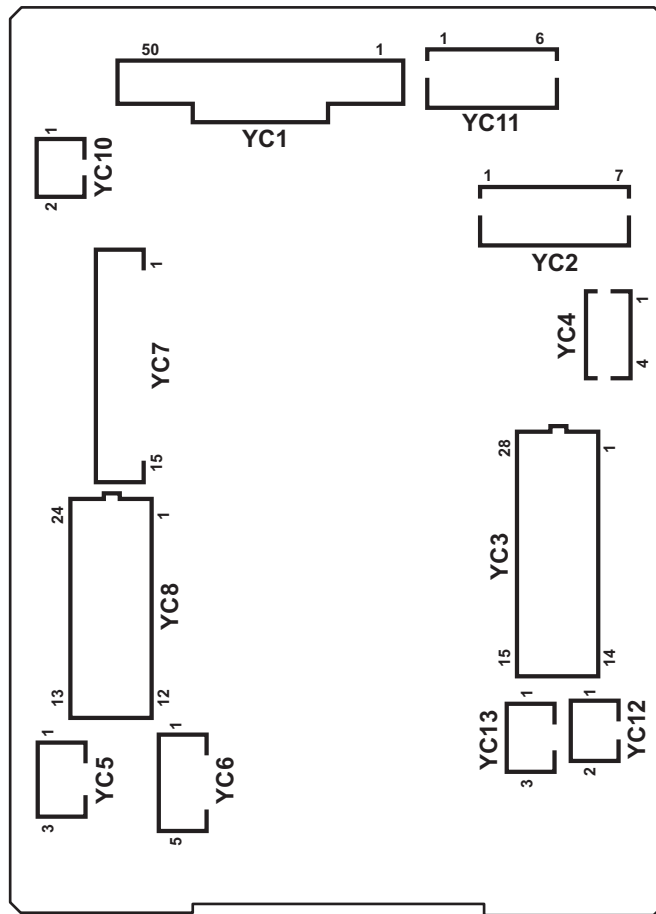


Figure 2-3-8 Feed PWB 2 silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1	1	GND	-	-	Ground
Connected to engine PWB	2	FEED_MOT_REM	I	0/3.3 V DC	PFM: On/Off
	3	FEED_MOT_CLK	I	0/3.3 V DC (pulse)	PFM clock signal
	4	FEED_MOT_RDY	O	0/3.3 V DC	PFM ready signal
	5	FEED_MOT_DIR	I	0/3.3 V DC	PFM drive switch signal
	6	FEED_CL1_REM	I	0/24 V DC	PFCL1: On/Off
	7	FEED_CL2_REM	I	0/24 V DC	PFCL2: On/Off
	8	ASIST_CL2	I	0/24 V DC	ASCL2: On/Off
	9	LIFT_MOT2_REM	I	0/24 V DC	LM2: On/Off
	10	GND	-	-	Ground
	11	LIFT_MOT1_REM 1	I	0/24 V DC	LM1: On/Off
	12	CAS2_WID	O	0/3.3 V DC	PWSW2: On/Off
	13	CAS2_LNG3	O	0/3.3 V DC	PLSW2: On/Off
	14	CAS2_LNG2	O	0/3.3 V DC	PLSW2: On/Off
	15	CAS2_LNG1	O	0/3.3 V DC	PLSW2: On/Off
	16	CAS1_WID	O	0/3.3 V DC	PWSW1: On/Off
	17	CAS1_LNG3	O	0/3.3 V DC	PLSW1: On/Off
	18	CAS1_LNG2	O	0/3.3 V DC	PLSW1: On/Off
	19	CAS1_LNG1	O	0/3.3 V DC	PLSW1: On/Off
	20	GND	-	-	Ground
	21	CAS2_QUANT2	O	0/3.3 V DC	PGS2(L): On/Off
	22	CAS2_QUANT1	O	0/3.3 V DC	PGS2(U): On/Off
	23	CAS1_QUANT2	O	0/3.3 V DC	PGS1(L): On/Off
	24	CAS1_QUANT1	O	0/3.3 V DC	PGS1(U): On/Off
	25	LIFT_MOT1_LOCK	O	0/3.3 V DC	LM1 lock signal
	26	LIFT_MOT2_LOCK	O	0/3.3 V DC	LM2 lock signal
	27	CURRENT_SIG	-	-	Not used
	28	V-FEED_CL	I	0/24 V DC	PCCL: On/Off
	29	COVER_OPEN	O	0/3.3 V DC	RLCSW: On/Off
	30	FEED2_SENS	O	0/3.3 V DC	PFPCS1: On/Off
	31	CAS1_P0	O	0/3.3 V DC	FS1: On/Off
	32	CAS1_LIFT_UP	O	0/3.3 V DC	LS1: On/Off
	33	GND	-	-	Ground
	34	CAS1_EMPTY	O	0/3.3 V DC	PS1: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to engine PWB	35	PICK_SOL1_RET	I	0/24 V DC	PUSOL1: On/Off (RET)
	36	PICK_SOL1_REM	I	0/24 V DC	PUSOL1: On/Off (ACT)
	37	CAS2_P0	O	0/3.3 V DC	FS2: On/Off
	38	CAS2_LIFT_UP	O	0/3.3 V DC	LS2: On/Off
	39	CAS2_EMPTY	O	0/3.3 V DC	PS2: On/Off
	40	PICK_SOL2_RET	I	0/24 V DC	PUSOL2: On/Off (RET)
	41	PICK_SOL2_REM	I	0/24 V DC	PUSOL2: On/Off (ACT)
	42	GND	-	-	Ground
	43	REG_SENS	O	0/3.3 V DC	RS: On/Off
	44	FEED1_SENS	O	0/3.3 V DC	PCS: On/Off
	45	BEND_SENS	O	0/3.3 V DC	RDS: On/Off
	46	MID_MOT_PH	I	0/3.3 V DC	MM control signal
	47	MID_MOT_REM(ROL_CL)	I	0/3.3 V DC	MM/MCL: On/Off
	48	MID_MOT_CLK	I	0/3.3 V DC (pulse)	MM clock signal
	49	MID_MOT_PD	I	0/3.3 V DC	MM control signal
50	ASIST_CL1	I	0/24 V DC	ASCL1: On/Off	
YC2 Connected to paper feed motor	1	FEED_MOT_GAIN	-	-	Not used
	2	FEED_MOT_DIR	O	0/3.3 V DC	PFM drive switch signal
	3	FEED_MOT_RDY	I	0/3.3 V DC	PFM ready signal
	4	FEED_MOT_CLK	O	0/3.3 V DC (pulse)	PFM clock signal
	5	FEED_MOT_REM	O	0/24 V DC	PFM: On/Off
	6	GND	-	-	Ground
	7	24V2	O	24 V DC	24 V DC power to PFM
YC3 Connected to paper length switch 1/2, paper width switch 1/2, lift motor 1/2, paper gauge sensor 1(U)/(L) and paper gauge sensor 2(U)/(L)	1	CAS1_LNG1	I	0/3.3 V DC	PLSW1: On/Off
	2	CAS1_LNG2	I	0/3.3 V DC	PLSW1: On/Off
	3	GND	-	-	Ground
	4	CAS1_LNG3	I	0/3.3 V DC	PLSW1: On/Off
	5	CAS1_WID	I	0/3.3 V DC	PWSW1: On/Off
	6	GND	-	-	Ground
	7	CAS2_LNG1	I	0/3.3 V DC	PLSW2: On/Off
	8	CAS2_LNG2	I	0/3.3 V DC	PLSW2: On/Off
	9	GND	-	-	Ground
	10	CAS2_LNG3	I	0/3.3 V DC	PLSW2: On/Off
	11	CAS2_WID	I	0/3.3 V DC	PWSW2: On/Off
	12	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC3	13	LIFT_MOT1_RET	O	0/24 V DC	LM1: On/Off
Connected to paper length switch 1/2, paper width switch 1/2, lift motor 1/2, paper gauge sensor 1(U)/(L) and paper gauge sensor 2(U)/(L)	14	LIFT_MOT1_DR	O	0/24 V DC	LM1: On/Off
	15	LIFT_MOT2_RET	O	0/24 V DC	LM2: On/Off
	16	LIFT_MOT2_DR	O	0/24 V DC	LM2: On/Off
	17	LED_5V	O	5 V DC	5 V DC power to PGS1(U)
	18	GND	-	-	Ground
	19	CAS1_QUANT1	I	0/3.3 V DC	PGS1(U): On/Off
	20	LED_5V	O	5 V DC	5 V DC power to PGS1(L)
	21	GND	-	-	Ground
	22	CAS1_QUANT2	I	0/3.3 V DC	PGS1(L): On/Off
	23	LED_5V	O	5 V DC	5 V DC power to PGS2(U)
	24	GND	-	-	Ground
	25	CAS2_QUANT1	I	0/3.3 V DC	PGS2(U): On/Off
	26	LED_5V	O	5 V DC	5 V DC power to PGS2(L)
	27	GND	-	-	Ground
	28	CAS2_QUANT2	I	0/3.3 V DC	PGS2(L): On/Off
YC4	1	FEED_CL1_REM	O	0/24 V DC	PFCL1: On/Off
Connected to paper feed clutch 1/2	2	24V2	O	24 V DC	PFCL124 V DC power to PFCL1
	3	FEED_CL2_REM	O	0/24 V DC	PFCL2: On/Off
	4	24V2	O	24 V DC	24 V DC power to PFCL2
YC5	1	NC	-	-	Not used
Connected to paper conveying clutch	2	24V2	O	24 V DC	24 V DC power to PCCL
	3	V-FEED_CL_REM	O	0/24 V DC	PCCL: On/Off
YC6	1	LED_5V	O	5 V DC	5 V DC power to PCS
Connected to paper conveying sensor and paper conveying cover switch	2	GND	-	-	Ground
	3	FEED2_SENS	I	0/3.3 V DC	PCS: On/Off
	4	COVER_OPEN	I	0/3.3 V DC	PCCSW: On/Off
	5	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC7 Connected to middle motor, middle sensor, registration sensor and middle clutch	1	MID_B/	O	0/24 V DC (pulse)	MM drive control signal
	2	MID_A/	O	0/24 V DC (pulse)	MM drive control signal
	3	MID_B	O	0/24 V DC (pulse)	MM drive control signal
	4	MID_A	O	0/24 V DC (pulse)	MM drive control signal
	5	BEND_SENS	-	-	Not used
	6	GND	-	-	Not used
	7	5V	-	-	Not used
	8	GND	-	-	Ground
	9	FEED1_SENS	I	0/3.3 V DC	MS: On/Off
	10	5V	O	5 V DC	5 V DC power to MS
	11	GND	-	-	Ground
	12	REG_SENS	I	0/3.3 V DC	RS: On/Off
	13	5V	O	5 V DC	5 V DC power to RS
	14	MID_CL_REM	O	0/24 V DC	MCL: On/Off
	15	24V2	O	24 V DC	24 V DC power to MCL
YC8 Connected to primary paper feed unit	1	24V2	O	24 V DC	24 V DC power to PUSOL1
	2	PICK_SOL1_REM	O	0/24 V DC	PUSOL1: On/Off (ACT)
	3	PICK_SOL1_RET	O	0/24 V DC	PUSOL1: On/Off (RET)
	4	LED_5V	O	5 V DC	5 V DC power to PS1
	5	GND	-	-	Ground
	6	CAS1_EMPTY_SENS	I	0/3.3 V DC	PS1: On/Off
	7	LED_5V	O	5 V DC	5 V DC power to LS1
	8	GND	-	-	Ground
	9	CAS1_LIFT_UP_SENS	I	0/3.3 V DC	LS1: On/Off
	10	5V	O	5 V DC	5 V DC power to FS1
	11	CAS1_P0_SENS	I	0/3.3 V DC	FS1: On/Off
	12	GND	-	-	Ground
	13	24V2	O	24 V DC	24 V DC power to PUSOL2
	14	PICK_SOL2_REM	O	0/24 V DC	PUSOL2: On/Off (ACT)
	15	PICK_SOL2_RET	O	0/24 V DC	PUSOL2: On/Off (RET)
	16	LED_5V	O	5 V DC	5 V DC power to PS2
	17	GND	-	-	Ground
	18	CAS2_EMPTY_SENS	I	0/3.3 V DC	PS2: On/Off
	19	LED_5V	O	5 V DC	5 V DC power to LS2

Connector	Pin	Signal	I/O	Voltage	Description
YC8	20	GND	-	-	Ground
Connected to primary paper feed unit	21	CAS2_LIFT_UP_SENS	I	0/3.3 V DC	LS2: On/Off
	22	5V	O	5 V DC	5 V DC power to FS2
	23	CAS2_P0_SENS	I	0/3.3 V DC	FS2: On/Off
	24	GND	-	-	Ground
YC10	1	ASIST_CL1	O	0/24 V DC	ASCL1: On/Off
Connected to assist clutch 1	2	24V2	O	24 V DC	24 V DC power to ASCL1
YC11	1	GND	-	-	Ground
Connected to feed PWB 1	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	+5V	O	5 V DC	5 V DC power to FPWB1
	5	+24V2	O	24 V DC	24 V DC power to FPWB1
	6	+24V2	O	24 V DC	24 V DC power to FPWB1
YC12	1	ASIST_CL2	O	0/24 V DC	ASCL2: On/Off
Connected to assist clutch 2	2	24V2	O	24 V DC	24 V DC power to ASCL2

2-3-9 Relay PWB

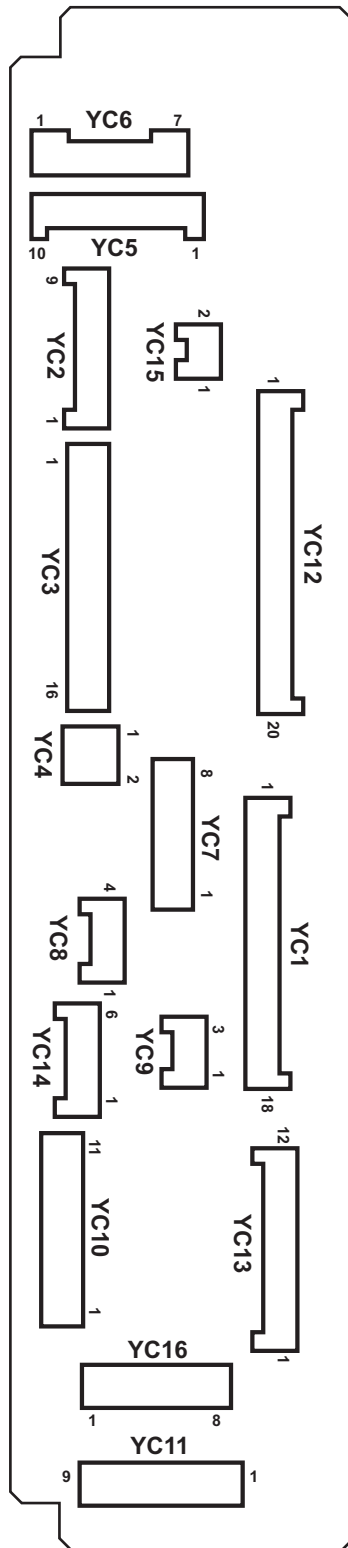


Figure 2-3-9 Relay PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1	1	GND	-	-	Ground
Connected to feed PWB 1	2	DU2_A	I	0/24 V DC (pulse)	DUM2 drive control signal
	3	DU2_B	I	0/24 V DC (pulse)	DUM2 drive control signal
	4	DU2_A/	I	0/24 V DC (pulse)	DUM2 drive control signal
	5	DU2_B/	I	0/24 V DC (pulse)	DUM2 drive control signal
	6	DU_OPEN_SW	O	0/3.3 V DC	DUCSW: On/Off
	7	DU_CL_LOWER_REM	I	0/24 V DC	DUCL2: On/Off
	8	DU_FAN	I	0/24 V DC	DUFM: On/Off
	9	24V2	I	24 V DC	24 V DC power from FPWB1
	10	PRESS_RLS_REM2	-	-	Not used
	11	PRESS_RLS_REM1	-	-	Not used
	12	5V	I	5 V DC	5 V DC power from FPWB1
	13	PRESS_RLS_SENS	-	-	Not used
	14	DU_SENS	O	0/3.3 V DC	DUS2: On/Off
	15	BELT_JAM_SENS	-	-	Not used
	16	REG_BK_SENS1_S	O	Analog	IDS detection signal
	17	REG_BK_SENS1_P	O	Analog	IDS detection signal
	18	REG_BK_LED	I	Analog	IDS control signal
YC2	1	GND	-	-	Ground
Connected to MP tray unit	2	MPF_LNG	I	0/3.3 V DC	MPPLSW: On/Off
	3	5V	O	5 V DC	5 V DC power to MPPLSW
	4	MPF_WID3	I	0/3.3 V DC	MPPWSW: On/Off
	5	MPF_WID2	I	0/3.3 V DC	MPPWSW: On/Off
	6	GND	-	-	Ground
	7	MPF_WID1	I	0/3.3 V DC	MPPWSW: On/Off
	8	GND	-	-	Ground
	9	MPF_TABLE	I	0/3.3 V DC	MPTSW: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC3	1	LED_3.3V3	O	3.3 V DC	3.3 V DC power to MPPLSW
Connected to MP tray unit	2	GND	-	-	Ground
	3	MPF_PPR_SET	I	0/3.3 V DC	MPPS: On/Off
	4	GND	-	-	Ground
	5	MPF_LIFT_UP_SE NS	I	0/3.3 V DC	MPLS1: On/Off
	6	5V	O	5 V DC	5 V DC power to MPLS1
	7	GND	-	-	Ground
	8	MPF_LIFT_DOWN _SENS	I	0/3.3 V DC	MPLS2: On/Off
	9	5V	O	5 V DC	5 V DC power to MPLS1
	10	GND	-	-	Ground
	11	MPF_JAM_SENS	I	0/3.3 V DC	MPFS: On/Off
	12	5V	O	5 V DC	5 V DC power to MPFS
	13	MPF_CL_REM	O	0/24 V DC	MPPFCL: On/Off
	14	24V2	O	24 V DC	24 V DC power to MPPFCL
	15	MPF_LIFT_DR_A	O	0/24 V DC	MPLM: On/Off
	16	MPF_LIFT_DR_B	O	0/24 V DC	MPLM: On/Off
YC4	1	24V2	O	24 V DC	24 V DC power to CLSOL
Connected to cleaning solenoid	2	ID_SOL_REM	O	0/24 V DC	CLSOL: On/Off
YC5	1	TANK_SET	-	-	Not used
Connected to feed PWB 1	2	24V2	-	-	Not used
	3	GND	-	-	Not used
	4	24V2	I	24 V DC	24 V DC power from FPWB1
	5	GND	-	-	Ground
	6	TRANS_MOT_RE M	I	0/24 V DC	TRM: On/Off
	7	TRANS_MOT_CLK	I	0/3.3 V DC (pulse)	TRM clock signal
	8	TRANS_MOT_RDY	O	0/3.3 V DC	TRM ready signal
	9	TRANS_MOT_DIR	I	0/3.3 V DC	TRM drive switch signal
	10	TRANS_MOT_BRK	I	0/3.3 V DC	TRM break signal

Connector	Pin	Signal	I/O	Voltage	Description
YC6 Connected to transfer motor	1	24V2	O	24 V DC	24 V DC power to TRM
	2	GND	-	-	Ground
	3	TRANS_MOT_REM	O	0/24 V DC	TRM: On/Off
	4	TRANS_MOT_CLK	O	0/3.3 V DC (pulse)	TRM clock signal
	5	TRANS_MOT_RDY	I	0/3.3 V DC	TRM ready signal
	6	TRANS_MOT_DIR	O	0/3.3 V DC	TRM drive switch signal
	7	TRANS_MOT_BRK	O	0/3.3 V DC	TRM break signal
YC7 Connected to duplex cover switch and duplex motor 2	1	24V2	-	-	Not used
	2	DU_CL2_REM	-	-	Not used
	3	DU_OPEN	I	0/3.3 V DC	DUCSW: On/Off
	4	GND	-	-	Ground
	5	DU2_B/	O	0/24 V DC (pulse)	DUM2 drive control signal
	6	DU2_A/	O	0/24 V DC (pulse)	DUM2 drive control signal
	7	DU2_B	O	0/24 V DC (pulse)	DUM2 drive control signal
	8	DU2_A	O	0/24 V DC (pulse)	DUM2 drive control signal
YC8 Connected to duplex fan motor	1	24V	O	24 V DC	24 V DC power to DUFM
	2	DU_FAN_REM	I	0/3.3 V DC	DUFM: On/Off
YC9 Connected to duplex sensor 2	1	GND	-	-	Ground
	2	DU_SENS	I	0/3.3 V DC	DUS2: On/Off
	3	5V	O	5 V DC	5 V DC power to DUS2
YC10 Connected to loop sensor and ID sensor	1	LOOP_SENS	I	0/3.3 V DC	LPS: On/Off
	2	GND	-	-	Ground
	3	5V	O	5 V DC	5 V DC power to LPS
	4	3.3V	O	3.3 V DC	3.3 V DC power to IDS
	5	REG_BK_LED	O	Analog	IDS control signal
	6	GND	-	-	Ground
	7	REG_BK_SENS1_P	I	Analog	IDS detection signal
	8	REG_BK_SENS1_S	I	Analog	IDS detection signal
	9	GND	-	-	Not used
	10	BELT_JAM_SENS	-	-	Not used
	11	5V	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC11	1	GND	-	-	Ground
Connected to duplex sensor 1 and eject fan motor	2	DU_ENTER_SENS	I	0/3.3 V DC	DUS1: On/Off
	3	5V	O	5 V DC	5 V DC power to DUS1
	4	EXIT_FAN_REM	O	0/24 V DC	EFM1: On/Off
	5	24V2	O	24 V DC	24 V DC power to EFM1
	6	EXIT_FAN_REM	O	0/24 V DC	EFM2: On/Off
	7	24V2	O	24 V DC	24 V DC power to EFM2
	8	24V2	-	-	Not used
	9	DU_CL_UPPER_REM	-	-	Not used
	YC12	1	GND	-	-
Connected to feed PWB 1	2	GND	-	-	Ground
	3	MPF_TABLE	O	0/3.3 V DC	MPTSW: On/Off
	4	MPF_WID1	O	0/3.3 V DC	MPPWSW: On/Off
	5	MPF_WID2	O	0/3.3 V DC	MPPWSW: On/Off
	6	MPF_WID3	O	0/3.3 V DC	MPPWSW: On/Off
	7	MPF_LNG	O	0/3.3 V DC	MPPLSW: On/Off
	8	LED_3.3V3	I	3.3 V DC	3.3 V DC power from FPWB1
	9	MPF_PPR_SET	O	0/3.3 V DC	MPPS: On/Off
	10	MPF_LIFT_UP_SENS	O	0/3.3 V DC	MPLS1: On/Off
	11	MPF_LIFT_DOWN_SENS	O	0/3.3 V DC	MPLS2: On/Off
	12	MPF_JAM_SENS	O	0/3.3 V DC	MPFS: On/Off
	13	MPF_CL_REM	I	0/24 V DC	MPPFCL: On/Off
	14	24V2	I	24 V DC	24 V DC power from FPWB1
	15	MPF_LIFT_MOT_A	I	0/24 V DC	MPLM: On/Off
	16	MPF_LIFT_MOT_B	I	0/24 V DC	MPLM: On/Off
	17	24V2	O	24 V DC	24 V DC power from FPWB1
	18	CLN_SOL_REM	I	0/24 V DC	CLSOL: On/Off
	19	GND	-	-	Ground
	20	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC13	1	LOOP_SENS	O	0/3.3 V DC	LPS: On/Off
Connected to feed PWB 1	2	EDGE_FAN_REM	I	0/24 V DC	FUFM: On/Off
	3	EDGE_FAN_REM	I	0/24 V DC	FUFM: On/Off
	4	DU1_A	I	0/24 V DC (pulse)	DUM1 drive control signal
	5	DU1_B	I	0/24 V DC (pulse)	DUM1 drive control signal
	6	DU1_A/	I	0/24 V DC (pulse)	DUM1 drive control signal
	7	DU1_B/	I	0/24 V DC (pulse)	DUM1 drive control signal
	8	GND	-	-	Ground
	9	DU_CL_UPPER_R EM	I	0/24 V DC	DUCL1: On/Off
	10	24V2	I	24 V DC	24 V DC power from FPWB1
	11	EXIT_FAN	I	0/24 V DC	EFM: On/Off
	12	DU_ENTER_SENS	O	0/3.3 V DC	DUS1: On/Off
YC16	1	DU1_B/	O	0/24 V DC (pulse)	DUM1 drive control signal
Connected to duplex motor 1	2	DU1_A/	O	0/24 V DC (pulse)	DUM1 drive control signal
	3	DU1_B	O	0/24 V DC (pulse)	DUM1 drive control signal
	4	DU1_A	O	0/24 V DC (pulse)	DUM1 drive control signal
	5	EDGE_FAN_REM	O	0/24 V DC	FUFM1: On/Off
	6	24V2	O	24 V DC	24 V DC power to FUFM1
	7	EDGE_FAN_REM	O	0/24 V DC	FUFM2: On/Off
	8	24V2	O	24 V DC	24 V DC power to FUFM2

2-3-10 LSU relay PWB

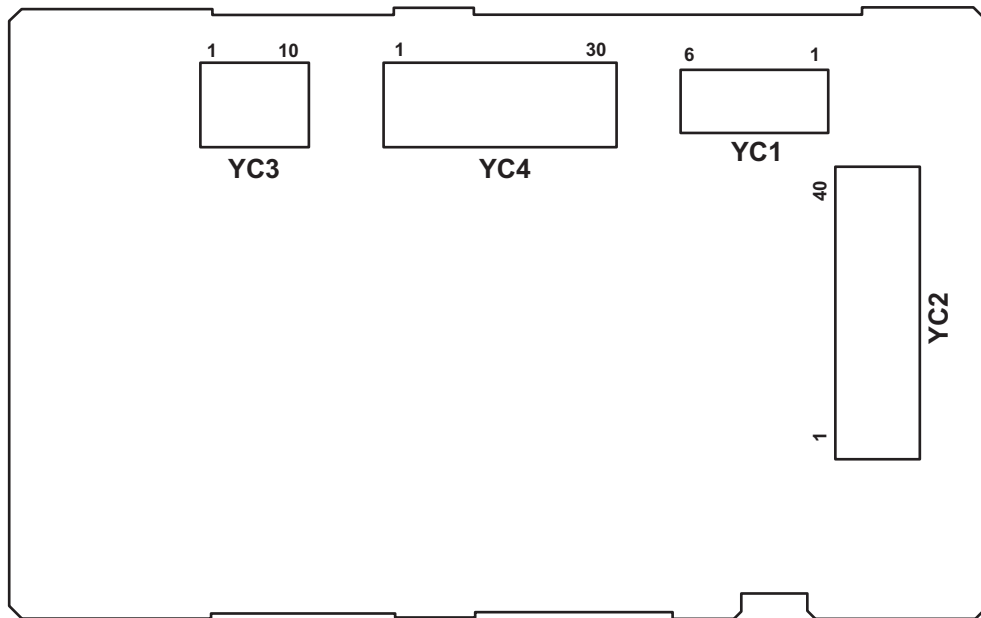


Figure 2-3-10 LSU relay PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to engine PWB	1	GND	-	-	Ground
	2	+3.3V2	O	3.3 V DC	3.3 V DC power from EPWB
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	+5V AN	O	5 V DC	5 V DC power from EPWB
	6	+5V AN	O	5 V DC	5 V DC power from EPWB
YC2 Connected to engine PWB	1	SDI	O	0/3.3 V DC (pulse)	Serial communication data signal
	2	GND	-	-	Ground
	3	SDO	I	0/3.3 V DC (pulse)	Serial communication data signal
	4	GND	-	-	Ground
	5	SCLK	I	0/3.3 V DC (pulse)	Clock signal
	6	GND	-	-	Ground
	7	EEPROM_CS_2_Bk	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	8	EEPROM_CS_1_Bk	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	9	GND	-	-	Ground
	10	DATA_3N_Bk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (N)
	11	DATA_3P_Bk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (P)
	12	GND	-	-	Ground
	13	DATA_4N_Bk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (N)
	14	DATA_4P_Bk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (P)
	15	GND	-	-	Ground
	16	BD_Bk	O	0/3.3 V DC (pulse)	Horizontal synchronization signal
	17	LSU_TH_Bk	O	Analog	LSU thermistor detection signal
	18	PARA_SIG_P3_2Bk	I	0/3.3 V DC	APCPWB control signal
	19	LDD_CS 2 Bk	I	0/3.3 V DC	APCPWB control signal
	20	LDD_CS 1 Bk	I	0/3.3 V DC	APCPWB control signal
	21	MSET_N	I	0/3.3 V DC	Control signal
	22	CUALM_BK	O	0/3.3 V DC	APCPWB alarm signal
	23	INT_ST_2_Bk	I	0/3.3 V DC	APCPWB control signal
	24	INT_ST_1_Bk	I	0/3.3 V DC	APCPWB control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC2	25	PARA_SIG_P0_Bk	I	0/3.3 V DC	APCPWB control signal
Connected to engine PWB	26	PARA_SIG_P1_Bk	I	0/3.3 V DC	APCPWB control signal
	27	PARA_SIG_P2_Bk	I	0/3.3 V DC	APCPWB control signal
	28	PARA_SIG_P3_Bk	I	0/3.3 V DC	APCPWB control signal
	29	PARA_SIG_P4_Bk	I	0/3.3 V DC	APCPWB control signal
	30	GND	-	-	Ground
	31	SDCLK_Bk	I	0/3.3 V DC (pulse)	APCPWB clock signal
	32	GND	-	-	Ground
	33	GAIN_FIX_Bk	I	0/3.3 V DC	APCPWB control signal
	34	GND	-	-	Ground
	35	DATA_1NBk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (N)
	36	DATA_1PBk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (P)
	37	GND	-	-	Ground
	38	DATA_2NBk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (N)
	39	DATA_2PBk(LVDS)	I	0/3.3 V DC (pulse)	Video data signal (P)
	40	GND	-	-	Ground
	YC3	1	SDI1	I	0/3.3 V DC (pulse)
Connected to APC PWB	2	SDO2	O	0/3.3 V DC (pulse)	Serial communication data signal
	3	CLK2	O	0/3.3 V DC (pulse)	APCPWB clock signal
	4	EEPROM_CS_2.0	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	5	GND	-	-	Ground
	6	DATA_3NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	7	DATA_3PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)
	8	GND	-	-	Ground
	9	DATA_4NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	10	DATA_4PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)

Connector	Pin	Signal	I/O	Voltage	Description
YC4	1	GND	-	-	Ground
Connected to APC PWB	2	DATA_2PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)
	3	DATA_2NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	4	GND	-	-	Ground
	5	DATA_1PBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (P)
	6	DATA_1NBk(LVDS)	O	0/3.3 V DC (pulse)	Video data signal (N)
	7	GAIN FIX Bk	O	0/3.3 V DC	APCPWB control signal
	8	SDCLK Bk	O	0/3.3 V DC (pulse)	APCPWB clock signal
	9	PALA_SIG P4 Bk	O	0/3.3 V DC	APCPWB control signal
	10	PALA_SIG P3 Bk	O	0/3.3 V DC	APCPWB control signal
	11	PALA_SIG P2 Bk	O	0/3.3 V DC	APCPWB control signal
	12	PALA_SIG P1 Bk	O	0/3.3 V DC	APCPWB control signal
	13	PALA_SIG P0 Bk	O	0/3.3 V DC	APCPWB control signal
	14	INT_ST 1 Bk	O	0/3.3 V DC	APCPWB control signal
	15	INT_ST 2 Bk	O	0/3.3 V DC	APCPWB control signal
	16	CUALM Bk	I	0/3.3 V DC	APCPWB alarm signal
	17	MSET_N	O	0/3.3 V DC	APCPWB control signal
	18	EEPROM CS 1 Bk	I/O	0/3.3 V DC (pulse)	APCPWB EEPROM data signal
	19	CLK1	O	0/3.3 V DC (pulse)	APCPWB clock signal
	20	SDO1	O	0/3.3 V DC (pulse)	Serial communication data signal
	21	SDI1	I	0/3.3 V DC (pulse)	Serial communication data signal
	22	LDD_CS 1 Bk	O	0/3.3 V DC	APCPWB control signal
	23	5V	O	5 V DC	5 V DC power to APCPWB
	24	5V	O	5 V DC	5 V DC power to APCPWB
	25	5V	O	5 V DC	5 V DC power to APCPWB
	26	LDD_CS 2 Bk	-	-	Not used
	27	PALA_SIG P3_2Bk	-	-	Not used
	28	LSU_TH Bk	I	Analog	LSU thermistor detection signal
	29	BD Bk	I	0/3.3 V DC (pulse)	Horizontal synchronization signal
	30	GND	-	-	Ground

2-3-11 PF main PWB

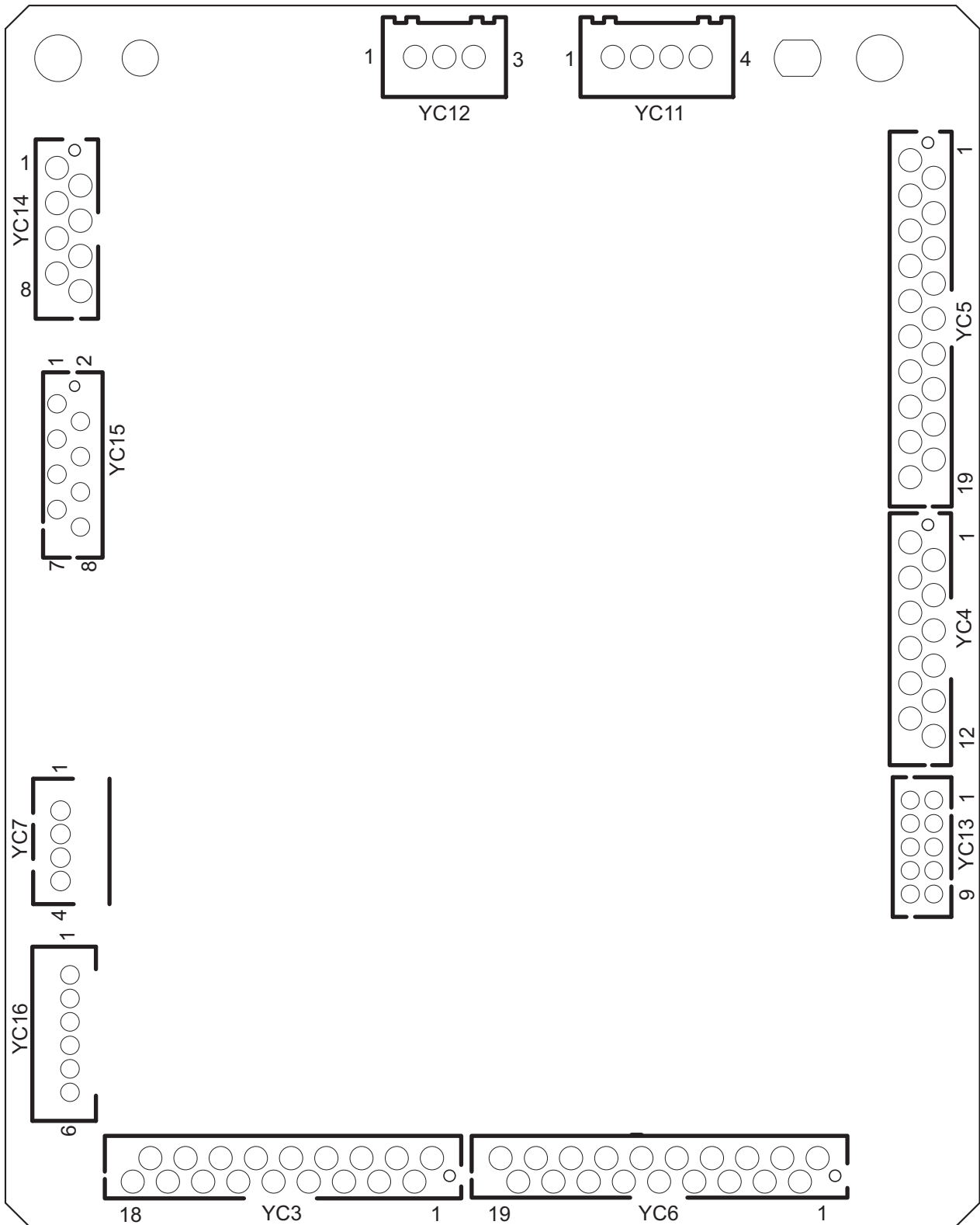


Figure 2-3-11 PF main PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC3	1	PAP_R_SW1_PW	O	3.3 V DC	3.3 V DC power output to PFPGS1(L)
Connected to the PF paper gauge sensor 1 lower, PF paper gauge sensor 1 upper, PF size detection switch 1, PF cassette detection switch 1	2	GND	-	-	Ground
	3	PAP_R_SW1	I	0/3.3 V DC	PFPGS1(L): On/Off
	4	PAP_R_SW2_PW	O	3.3 V DC	3.3 V DC power output to PFPGS1(U)
	5	GND	-	-	Ground
	6	PAP_R_SW2	I	0/3.3 V DC	PFPGS1(U): On/Off
	7	NC	-	-	Not used
	8	GND	-	-	Ground
	9	NC	-	-	Not used
	10	NC	-	-	Not used
	11	GND	-	-	Ground
	12	NC	-	-	Not used
	13	SIZE_R_SW_PW	O	3.3 V DC	3.3 V DC power output to PFSDSW1
	14	GND	-	-	Ground
	15	SIZE_R_SW	I	0/3.3 V DC	PFSDSW1: On/Off
	16	DEK_R_SW1_PW	O	3.3 V DC	3.3 V DC power output to PFCDSW1
	17	GND	-	-	Ground
	18	DEK_R_SW4	I	0/3.3 V DC	PFCDSW1: On/Off
YC4	1	EMPTY_L_SW_PW	O	3.3 V DC	3.3 V DC power output to PFPS2
Connected to the PF paper sensor 2, PF lift sensor 2, PF feed sensor 2, PF paper conveying sensor 2	2	GND	-	-	Ground
	3	EMPTY_L_SW	I	0/3.3 V DC	PFPS2: On/Off
	4	LIMIT_L_SW_PW	O	3.3 V DC	3.3 V DC power output to PFLS2
	5	GND	-	-	Ground
	6	LIMIT_L_SW	I	0/3.3 V DC	PFLS2: On/Off
	7	3.3V3	O	3.3 V DC	3.3 V DC power output to PFPS2
	8	FD_L_SW	I	0/3.3 V DC	PFPS2: On/Off
	9	GND	-	-	Ground
	10	VFDSW_PW	O	3.3 V DC	3.3 V DC power output to PFPCS2
	11	GND	-	-	Ground
	12	VFDSW	I	0/3.3 V DC	PFPCS2: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC5 Connected to the PF paper conveying cover switch, PF paper conveying sensor 1, PF paper conveying clutch 1, PF pickup solenoid 1, PF paper sensor 1, PF lift sensor 1, PF feed sensor 1	1	GND	-	-	Ground
	2	R_COVER_SW	I	0/3.3 V DC	PFPCCSW: On/Off
	3	VFDCL	O	0/24 V DC	PFPCCL1: On/Off
	4	24V1	O	24 V DC	24 V DC power output to PFPCCL1
	5	VFDSW_PW	O	3.3 V DC	3.3 V DC power output to PFPCS1
	6	GND	-	-	Ground
	7	VFDSW	I	0/3.3 V DC	PFPCS1: On/Off
	8	24V	O	24 V DC	24 V DC power output to PFPUSOL1
	9	PF_R_SOL_ACT	O	0/24 V DC	PFPUSOL1: On/Off (actuate)
	10	PF_R_SOL_KEP	O	0/24 V DC	PFPUSOL1: On/Off (keep)
	11	EMPTY_R_SW_PW	O	3.3 V DC	3.3 V DC power output to PFPS1
	12	GND	-	-	Ground
	13	EMPTY_R_SW	I	0/3.3 V DC	PFPS1: On/Off
	14	LIMIT_R_SW_PW	O	3.3 V DC	3.3 V DC power output to PFLS1
	15	GND	-	-	Ground
	16	LIMIT_R_SW	I	0/3.3 V DC	PFLS1: On/Off
	17	3.3V1	O	3.3 V DC	3.3 V DC power output to PFFS1
	18	FD_R_SW	I	0/3.3 V DC	PFFS1: On/Off
	19	GND	-	-	Ground
YC6 Connected to the PF paper gauge sensor 2 lower, PF paper gauge sensor 2 upper, PF size detection switch 2, PF cassette detection switch 2	1	PAP_L_SW1_PW	O	3.3 V DC	3.3 V DC power output to PFPGS2(L)
	2	GND	-	-	Ground
	3	PAP_L_SW1	I	0/3.3 V DC	PFPGS2(L): On/Off
	4	PAP_L_SW2_PW	O	3.3 V DC	3.3 V DC power output to PFPGS2(U)
	5	GND	-	-	Ground
	6	PAP_L_SW2	I	0/3.3 V DC	PFPGS2(U): On/Off
	7	NC	-	-	Not used
	8	GND	-	-	Ground
	9	NC	-	-	Not used
	10	NC	-	-	Not used
	11	GND	-	-	Ground
	12	NC	-	-	Not used
	13	SIZE_L_SW_PW	O	3.3 V DC	3.3 V DC power output to PFSDSW1
	14	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC6 Connected to the PF paper gauge sensor 2 upper, PF paper gauge sensor 2 lower, PF size detection switch 2, PF cassette detection switch 2	15	SIZE_L_SW	I	0/3.3 V DC	PFSDSW1: On/Off
	16	DEK_L_SW_PW	O	3.3 V DC	3.3 V DC power output to PFCDSW1
	17	GND	-	-	Ground
	18	DEK_L_SW	I	0/3.3 V DC	PFCDSW1: On/Off
	19	NC	-	-	Not used
YC7 Connected to the PF lift motor 2, PF lift motor 1	1	OUT2B	O	0/24 V DC(pulse)	PFLM2 drive control signal
	2	OUT2A	O	0/24 V DC(pulse)	PFLM2 drive control signal
	3	OUT1B	O	0/24 V DC(pulse)	PFLM1 drive control signal
	4	OUT1A	O	0/24 V DC(pulse)	PFLM1 drive control signal
YC11 Connected to the engine PWB	1	GND	-	-	Ground
	2	GND	-	-	Ground
	3	24V1	I	24 V DC	24 V DC power input from machine
	4	24V1	I	24 V DC	24 V DC power input from machine
YC12 Connected to the side feeder	1	GND	-	-	Ground
	2	GND	-	-	Ground
	3	24V2	O	24 V DC	24 V DC power output to side deck and side multi tray
YC13 Connected to the engine PWB	1	ENG_SDO	O	0/3.3 V DC(pulse)	Serial communication data signal
	2	ENG_SDI	I	0/3.3 V DC(pulse)	Serial communication data signal
	3	ENG_CLK	I	0/3.3 V DC(pulse)	Clock signal
	4	ENG_SEL	I	0/3.3 V DC	Select signal
	5	ENG_RDY	O	0/3.3 V DC	Ready signal
	6	ENG_PAU	I	0/3.3 V DC	Posed signal
	7	DEK_OPN1	O	0/3.3 V DC	Cassette 4 open/close signal output
	8	DEK_OPN2	O	0/3.3 V DC	Cassette 3 open/close signal input
	9	+3.3V2	I	3.3 V DC	3.3 V DC power input from machine
	10	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC14 Connected to the PF paper conveying unit switch, PF pickup solenoid 2	1	HCUSW	I	0/3.3 V DC	PFPCUSW: On/Off
	2	GND	-	-	Ground
	3	24V3	-	-	Not used
	4	RESOL_ACT	-	-	Not used
	5	RESOL_KEP	-	-	Not used
	6	24V3	O	24 V DC	24 V DC power output to PFPUSOL2
	7	PF_L_SOL_ACT	O	0/24 V DC	PFPUSOL2: On/Off (actuate)
	8	PF_L_SOL_KEP	O	0/24 V DC	PFPUSOL2: On/Off (keep)
YC15 Connected to the PF paper feed clutch 1, PF paper conveying clutch 2, PF paper conveying clutch 3, PF paper feed clutch 2	1	RF_R_CL	O	0/24 V DC	PFPFCL1: On/Off
	2	24V1	O	24 V DC	24 V DC power output to PFPFCL1
	3	HFDCL1	O	0/24 V DC	PFPCCCL2: On/Off
	4	24V1	O	24 V DC	24 V DC power output to PFPCCCL2
	5	HFDCL2	O	0/24 V DC	PFPCCCL3: On/Off
	6	24V1	O	24 V DC	24 V DC power output to PFPCCCL3
	7	PF_L_CL	O	0/24 V DC	PFPFCL2: On/Off
	8	24V1	O	24 V DC	24 V DC power output to PFPFCL2
YC16 Connected to the PF paper feed motor	1	CW/CCW	O	0/24 V DC	PFPFM Normal rotation/reversing signal
	2	RDY	I	0/24 V DC	PFPFM ready signal
	3	CLK	O	0/24 V DC(pulse)	PFPFM clock signal
	4	REM	O	0/24 V DC	PFPFM remote signal
	5	GND	-	-	Ground
	6	24V1	O	24 V DC	24 V DC power output to PFPFM

2-3-12 DP main PWB

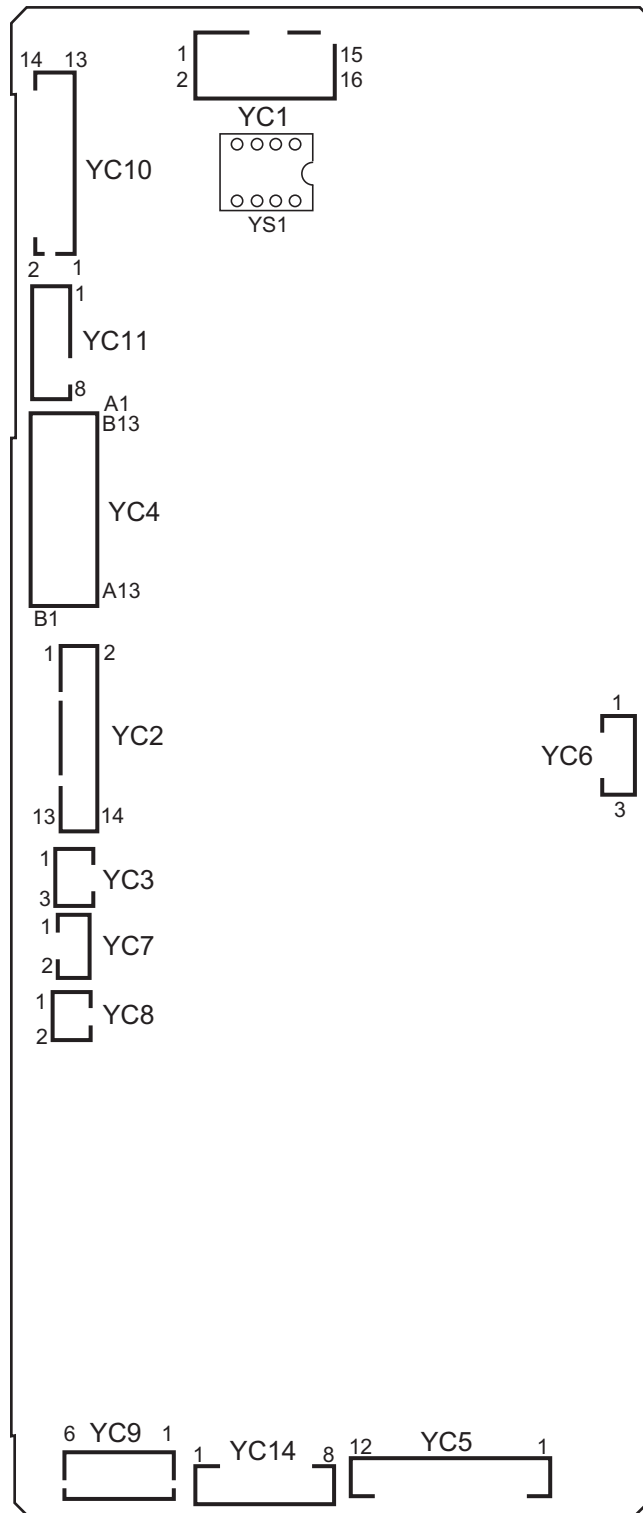


Figure 2-3-12 DP main PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1	1	FG	-	-	Ground
Connected to ISC PWB	2	ENG_PAGEST	O	3.3 V DC	Page set signal
	3	ENG_RDY	O	3.3 V DC	Ready signal
	4	ENG_SEL	I	3.3 V DC	Select signal
	5	ENG_CLK	I	0/3.3 V DC(pulse)	Clock signal
	6	ENG_SI	I	0/3.3 V DC(pulse)	Serial communication data signal
	7	ENG_SO	O	0/3.3 V DC(pulse)	Serial communication data signal
	8	DP_OPEN	O	3.3 V DC	DPOCSW: On/Off
	9	NC(GND)	-	-	Not used
	10	GND	-	-	Ground
	11	GND	-	-	Ground
	12	GND	-	-	Ground
	13	NC(GND)	-	-	Not used
	14	24V	I	24 V DC	24 V DC power input from ISCPWB
	15	24V	I	24 V DC	24 V DC power input from ISCPWB
	16	24V	I	24 V DC	24 V DC power input from ISCPWB
YC2	1	3.3V	O	3.3 V DC	3.3 V DC power output to DPOLSW
Connected to DP original length switch, DP original sensor, DP lift sensor 2, DP original width switch	2	GND	-	-	Ground
	3	LNG_SW	I	0/3.3 V DC	DPOLSW: On/Off
	4	LNG_CLK	O	0/3.3 V DC(pulse)	Clock signal
	5	GND	-	-	Ground
	6	SET_SW	I	0/3.3 V DC	DPOS: On/Off
	7	3.3V	O	3.3 V DC	3.3 V DC power output to DPOS
	8	ANODE	O	3.3 V DC	3.3 V DC power output to DPLS2
	9	GND	-	-	Ground
	10	LF_DNSW	I	0/3.3 V DC	DPLS2: On/Off
	11	WIDE3	I	0/3.3 V DC	DPOWS: On/Off
	12	WIDE2	I	0/3.3 V DC	DPOWS: On/Off
	13	GND	-	-	Ground
	14	WIDE1	I	0/3.3 V DC	DPOWS: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC4_A	A1	ANODE	O	3.3 V DC	3.3 V DC power output to DPLS1
Connected to DP lift sensor 1, DP feed sensor, DP eject sensor	A2	GND	-	-	Ground
	A3	LF_UPSW	I	0/3.3 V DC	DPLS1: On/Off
	A4	GND	-	-	Ground
	A5	FD_SW	I	0/3.3 V DC	DPFS: On/Off
	A6	3.3V	O	3.3 V DC	3.3 V DC power output to DPFS
	A7	NC	-	-	Not used
	A8	NC	-	-	Not used
	A9	NC	-	-	Not used
	A10	ANODE	O	3.3 V DC	3.3 V DC power output to DPES
	A11	GND	-	-	Ground
	A12	EXIT_SW(M)	I	0/3.3 V DC	DPES: On/Off
	A13	NC	-	-	Not used
YC4_B	B1	NC	-	-	Not used
Connected to DPLED PWB, DP timing sensor, DP open/close switch	B2	LED_PW	O	5.6 V DC	5.6 V DC power output to LEDPWB
	B3	LED_REM	O	0/5.6 V DC	LED control signal
	B4	NC(GND)	-	-	Not used
	B5	GND	-	-	Ground
	B6	CCD_TMG_SW	I	0/3.3 V DC	DPTS: On/Off
	B7	3.3V	O	3.3 V DC	3.3 V DC power output to DPTS
	B8	ANODE	O	3.3 V DC	3.3 V DC power output to DPOCSW
	B9	GND	-	-	Ground
	B10	DP_OPEN	I	0/3.3 V DC	DPOCSW: On/Off
	B11	ANODE	-	-	Not used
	B12	GND	-	-	Not used
	B13	SKEW_SW	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC5 Connected to DP feed motor, DP registration motor, DP lift motor	1	FEED3_OUT2B	O	0/24 V DC (pulse)	DPOFM drive control signal
	2	FEED1_OUT2A	O	0/24 V DC (pulse)	DPOFM drive control signal
	3	FEED2_OUT1A	O	0/24 V DC (pulse)	DPOFM drive control signal
	4	FEED4_OUT1B	O	0/24 V DC (pulse)	DPOFM drive control signal
	5	RGST3_OUT2B	O	0/24 V DC (pulse)	DPRM drive control signal
	6	RGST1_OUT2A	O	0/24 V DC (pulse)	DPRM drive control signal
	7	RGST2_OUT1A	O	0/24 V DC (pulse)	DPRM drive control signal
	8	RGST4_OUT1B	O	0/24 V DC (pulse)	DPRM drive control signal
	9	LIFT3_OUT2B	O	0/24 V DC (pulse)	DPLM drive control signal
	10	LIFT1_OUT2A	O	0/24 V DC (pulse)	DPLM drive control signal
	11	LIFT2_OUT1A	O	0/24 V DC (pulse)	DPLM drive control signal
	12	LIFT4_OUT1B	O	0/24 V DC (pulse)	DPLM drive control signal
YC6 Connected to DP interlock switch	1	24V	O	24 V DC	24 V DC power output to DPILSW
	2	NC	-	-	Not used
	3	R24V	I	24 V DC	24 V DC power input from DPILSW
YC7 Connected to DP fan motor 1	1	R24V	O	24 V DC	24 V DC power output to DPFM1
	2	FAN_REM1	O	0/24 V DC	DPFM1: On/Off
YC8 Connected to DP fan motor 2	1	R24V	O	24 V DC	24 V DC power output to DPFM2
	2	FAN_REM2	O	0/24 V DC	DPFM2: On/Off
YC10 Connected to SHD PWB	1	CIS_TMGSW	I	0/3.3 V DC	DPCS: On/Off
	2	SHD_CLK	O	0/3.3 V DC(pulse)	Clock signal
	3	SHD_SO	O	0/3.3 V DC(pulse)	Serial communication data signal
	4	SHD_SEL	O	0/3.3 V DC	Select signal
	5	SHD_PAGEST	O	0/3.3 V DC	Pageset signal
	6	RESETN	O	0/3.3 V DC	Reset signal
	7	SHD_OVMON	I	0/3.3 V DC	OVMON signal
	8	SHD_SI	I	0/3.3 V DC(pulse)	Serial communication data signal
	9	SHD_RDY	I	0/3.3 V DC	Ready signal
	10	NC	-	-	Not used
	11	24V	O	24 V DC	24 V DC power output to SHDPWB
	12	24V	O	24 V DC	24 V DC power output to SHDRWB
	13	GND	-	-	Ground
	14	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC11 Connected to the DP multi feed sensor.	1	SS_SCL	O	0/3.3 V DC(pulse)	Clock signal
	2	SS_SDA	O	0/3.3 V DC	Serial communication data signal
	3	SS_1P	I	0/3.3 V DC	DPMFS: On/Off
	4	SS_2P	I	0/3.3 V DC	DPMFS: On/Off
	5	GND	-	-	Ground
	6	3.3V1	O	3.3 V DC	3.3 V DC power output to DPMFS
	7	GND	-	-	Ground
	8	24V1	O	24 V DC	24 V DC power output to DPMFS
YC14 DP conveying motor, DP eject motor	1	CNVY4_OUT2B	O	0/24 V DC (pulse)	DPOCM drive control signal
	2	CNVY3_OUT2A	O	0/24 V DC (pulse)	DPOCM drive control signal
	3	CNVY2_OUT1B	O	0/24 V DC (pulse)	DPOCM drive control signal
	4	CNVY1_OUT1A	O	0/24 V DC (pulse)	DPOCM drive control signal
	5	RVRS4_OUT1B	O	0/24 V DC (pulse)	DPEM drive control signal
	6	RVRS2_OUT1A	O	0/24 V DC (pulse)	DPEM drive control signal
	7	RVRS1_OUT2A	O	0/24 V DC (pulse)	DPEM drive control signal
	8	RVRS3_OUT2B	O	0/24 V DC (pulse)	DPEM drive control signal

2-4-1 Appendixes

(1) List of maintenance parts

Maintenance part name		Part No.	Alternative part No.
Name used in service manual	Name used in parts list		
Paper feed pulley	PULLEY FEED	302K906350	2K906350
Separation pulley	PULLEY RETARD	302K906360	2K906360
Forwarding pulley	PULLEY PICKUP	302K906370	2K906370
Left registration roller	PARTS ROLLER REGIST L SP	302K994450	2K994450
Regist cleaner L	PARTS CLEANER REGIST ASSY SP	302LF94160	2LF94160
Right registration roller	ROLLER REGIST R	302LF24150	2LF24150
Regist cleaner R	UNDER CLEANER REGIST	2BL07950	-
Middle roller	PARTS ROLLER MIDDLE L SP	302LC94550	2LC94550
Paper conveying roller	PARTS ROLLER FEED LOW SP	302K994430	2K994430
Assist roller	PARTS ROLLER ASSIST SP	302K994420	2K994420
Transfer belt unit	PARTS BELT ASSY SP	302LF94060	2LF94060
MP paper feed pulley	PULLEY PAPER FEED	2AR07220	-
MP forwarding pulley	PULLEY SEPARATION	2AR07230	-
Contact glass	PARTS CONTACT-GLASS ASSY(C) SP	302K994040	2K994040
for Metric	PARTS CONTACT-GLASS ASSY(I) SP	302K994030	2K994030
for Inch			
LED mount	PARTS MOUNT LED ASSY SP	302K993040	2K993040

Maintenance part name		Part No.	Alternative part No.
Name used in service manual	Name used in parts list		
Original size sensor	SENSOR ORIGINAL	302H044110	2H044110
ISU	PARTS IMAGE SCANNER L SP	302LK93083	2LK93083
Lower duplex roller	PARTS ROLLER DU LOW SP	302K994470	2K994470
Middle duplex roller	PARTS ROLLER DU MID SP	302K994480	2K994480
Upper duplex roller	PARTS ROLLER DU UP SP	302K994491	2K994491
Eject roller B	PARTS ROLLER EXIT B SP	302K994A40	2K994A40
Eject roller	PARTS ROLLER EXIT SP	302K994910	2K994910
BR conveying roller	PARTS ROLLER RELAY MIDDLE SP	302LF94430	2LF94430
BR eject roller 1	PARTS ROLLER RELAY EXIT LOWER SP	302LF94440	2LF94440
BR feedshift roller	PARTS ROLLER RELAY EXIT MIDDLE SP	302LF94030	2LF94030
JS eject roller	PARTS ROLLER EXIT RIGHT SP	303NM94010	3NM94010
Drum filter	PARTS FILTER DRUM SP	302LF94310	2LF94310
Developer filter	PARTS FILTER DLP SP	302LF94320	2LF94320
Belt filter	PARTS FILTER BELT UNIT(V) SP	302LC94130	2LC94130
LSU filter	PARTS FILTER FAN ASSY(Z) SP	302LF94300	2LF94300
Toner filter	FILTER LEFT SIDE	302LC33370	2LC33370
Left filter	FILTER LEFT SIDE	302LC33370	2LC33370
Eject filter	FILTER TOP	302LF33660	2LF33660

(2) Maintenance kits

Maintenance part name		Parts No.	Alternative part No.
Name used in service	Name used in parts list		
MK-6705A/Maintenance kit (600,000 pages)	MK-6705A/MAINTENANCE KIT	1702LF0UN0	072LF0UN
Drum unit	DK-6705	-	-
Developer unit	DV-6705	-	-
Transfer belt unit	PARTS BELT ASSY SP	-	-
120 V specifications			
MK-6705C/Maintenance kit (300,000 pages)	MK-6705C/MAINTENANCE KIT	1702LF7US0	072LF7US
Fuser unit	FK-6706	-	-
Eject filter	FILTER TOP	-	-
Toner filter / Left filter	FILTER LEFT SIDE	-	-
220 to 240 V specifications			
MK-6705C/Maintenance kit (300,000 pages)	MK-6705C/MAINTENANCE KIT	1702LF8KL0	072LF8KL
Fuser unit	FK-6707	-	-
Eject filter	FILTER TOP	-	-
Toner filter / Left filter	FILTER LEFT SIDE	-	-

(3) Periodic maintenance procedures

Section	Maintenance part/location	User call	300K/600K/ 900K/1200K	Points and cautions	Page
Test copy and test print	Perform at the maximum copy size	Test copy	Test copy		



Section	Maintenance part/location	User call	300K/600K/ 900K/1200K	Points and cautions	Page
Paper feed ,conveying-section	Paper feed pulley	Check Clean	Check Replace	Clean with alcohol or a dry cloth. CH:performing U901 and check feeding count: Target to replace at 150K.	P.1-5-9
	Separation pulley	Check Clean	Check Replace	Clean with alcohol or a dry cloth. CH:performing U901 and check feeding count: Target to replace at 150K.	P.1-5-9
	Forwarding pulley	Check Clean	Check Replace	Clean with alcohol or a dry cloth. CH:performing U901 and check feeding count: Target to replace at 150K.	P.1-5-9
	Left registration roller	Clean	Clean	Clean with alcohol or a dry cloth.	
	Regist cleaner L	Clean	Clean	Vacuum.	P.2-4-11
	Right registration roller	Clean	Clean	Clean with alcohol or a dry cloth.	
	Regist cleaner R	Clean	Clean	Vacuum.	P.2-4-11
	Middle roller	Clean	Clean	Clean with alcohol or a dry cloth.	
	Paper conveying roller	Clean	Clean	Clean with alcohol or a dry cloth.	
	Assist roller	Clean	Clean	Clean with alcohol or a dry cloth.	
	Transfer belt unit	-	Replace	Every 600k Replace.	
	MP paper feed pulley	Check Clean	Check Replace	Clean with alcohol or a dry cloth. CH:performing U901 and check feeding count: Target to replace at 150K.	P.1-5-15
	MP forwarding pulley	Check Clean	Check Replace	Clean with alcohol or a dry cloth. CH:performing U901 and check feeding count: Target to replace at 150K.	P.1-5-15
Guides	Clean	Clean	Clean with alcohol or a dry cloth.	P.1-5-47	



Section	Maintenance part/location	User call	300K/600K/900K/1200K	Points and cautions	Page
Scanner Optical section	Contact glass	-	Clean	DP slit glass: CL dry cloth or alcohol wet cloth is strictly prohibited. When installing DP, CL with dry cloth. Contact glass for original: CL alcohol or dry cloth.(Face Side) Only when unusual image (line or stain) appear, wipe the back side with dry cloth after cleaning with alcohol only. (Back side)	
	Mirror A	Clean	-	Clean:airblow after dry cloth only when unusual image(line) arises.	
	Mirror B	Clean	-	Clean:airblow after dry cloth only when unusual image(line) arises. 2pcs	
	ISU lens	Clean	-	Clean:airblow after dry cloth only when unusual image(line) arises.	
	LED mount	Check Replace	-	Replace if there are image problems.	
	RAIL ISU R/F	Lubrication	-	Apply grease if abnormal sound and jitter image appears Optical rail grease PG-671(P/N:60170000)	
	Original size sensor	Check Clean	-	Alcohol or dry cloth if there is problem. (lighting part and light reception part.)	
	ISU	Check Replace	-	Replace if there are image problems.	P.1-5-27



Section	Maintenance part/location	User call	600K/1200K	Points and cautions	Page
Transfer section	Transfer belt unit	-	Replace	Every 600k Replace. (MK KIT)	P.1-5-45



Section	Maintenance part/location	User call	600K/1200K	Points and cautions	Page
Developer section	Developer unit	Clean	Replace	Vacuum. Every 600k Replace. (MK KIT)	P.1-5-39
	Developer duct	Clean	Clean	Vacuum. Every 300k Clean.	P.2-4-9



Section	Maintenance part/location	User call	600K/1200K	Points and cautions	Page
Drum section	Drum unit	Clean	Replace	Vacuum. Every 600k Replace. (MK KIT)	P.1-5-40



Section	Maintenance part/location	User call	300K/600K/ 900K/1200K	Points and cautions	Page
Fuser section	Fuser unit	-	Replace	Every 300k Replace.(MK KIT)	P.1-5-47



Section	Maintenance part/location	User call	300K/600K/ 900K/1200K	Points and cautions	Page
Eject, Duplex section	Lower duplex roller	-	Clean	Clean with alcohol or a dry cloth.	
	Middle duplex roller	-	Clean	Clean with alcohol or a dry cloth.	
	Upper duplex roller	-	Clean	Clean with alcohol or a dry cloth.	
	Eject roller B	-	Clean	Clean with alcohol or a dry cloth.	
	Eject roller	-	Clean	Clean with alcohol or a dry cloth.	
	BR conveying roller	-	Clean	Clean with alcohol or a dry cloth.	
	BR eject roller 1	-	Clean	Clean with alcohol or a dry cloth.	
	BR feedshift roller	-	Clean	Clean with alcohol or a dry cloth.	
	JS eject roller	-	Clean	Clean with alcohol or a dry cloth.	



Section	Maintenance part/location	User call	300K/600K/900K/1200K	Points and cautions	Page
Outer, Cover	Outer Covers, Tray	-	Clean	Clean with alcohol or a dry cloth.	

Section	Maintenance part/location	User call	300K/600K/900K/1200K	Points and cautions	Page
Driving, Other	Drum filter	Clean	Clean	Vacuum.	P.1-5-103
	Developer filter	Clean	Clean	Vacuum.	P.1-5-103
	Belt filter	Clean	Clean	Vacuum.	P.1-5-104
	LSU filter	-	Clean	Vacuum.	P.1-5-105
	Toner filter	Replace	Replace	Every 300k Replace. (MK KIT)	P.1-5-101
	Left filter			3pcs	P.1-5-102
	Eject filter	Replace	Replace	Every 300k Replace. (MK KIT)	P.1-5-100
				3pcs	
	Cleaning the toner collection duct	Clean	Clean	Vacuum.	P.2-4-8
	Cleaning the inner air duct	Clean	Clean	Vacuum.	P.2-4-8
	Cleaning the duct at the back of the developer unit	Clean	Clean	Vacuum.	P.2-4-9
	Each Clutches	Check Replace	Check	Check the image registration and paper feed conveying condition on paper feed conveying (registration) part.	
Sensors	Check	Check	Clean with alcohol or a dry cloth. (lighting part and light reception part.)		
Image quality	Check Adjust	Check Adjust			

* : Please do not use spray containing flammable gas for air-blow or air-brush purposes.

(4) Inner Cleaning

1. Cleaning the toner collection duct

Procedure

1. Remove the rear upper cover and the rear lower cover (see page P.1-5-66)..
2. Remove two screws.
3. Remove the toner box.
4. Insert the vacuum cleaner inlet from the opening at the back side of the rear cover, vacuum toner for 1 minutes.

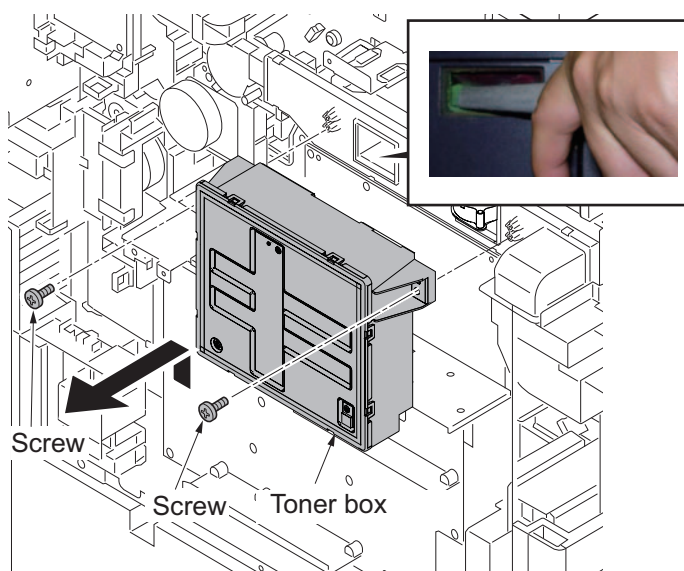


Figure 2-4-1

2. Cleaning the inner air duct

* : When a toner contamination is observed at the end of the paper conveying plate.

Procedure

1. Remove the developer unit and the drum unit (see page P.1-5-39,P.1-5-40).
2. Pull out the paper conveying unit.
3. Clean the side of the paper conveying plate, which paper runs through.

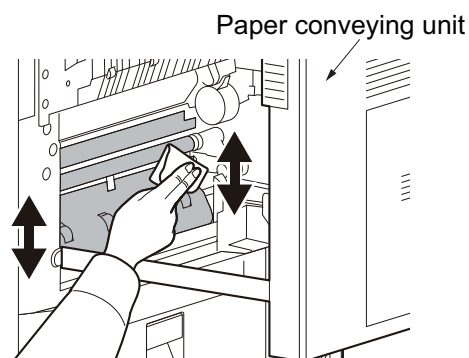


Figure 2-4-2

4. Remove the two screws holding the feed guide plate.
5. Clean the back of the paper conveying plate.
 - * : Use a dry, soft cloth for cleaning.
6. Check that the toner outlet, to which the cooling duct is joined in the developer unit, is not clogged with toner.
7. Remove toner accumulated in the duct by a vacuum cleaner via the toner outlet.
8. Refit all the removed parts.

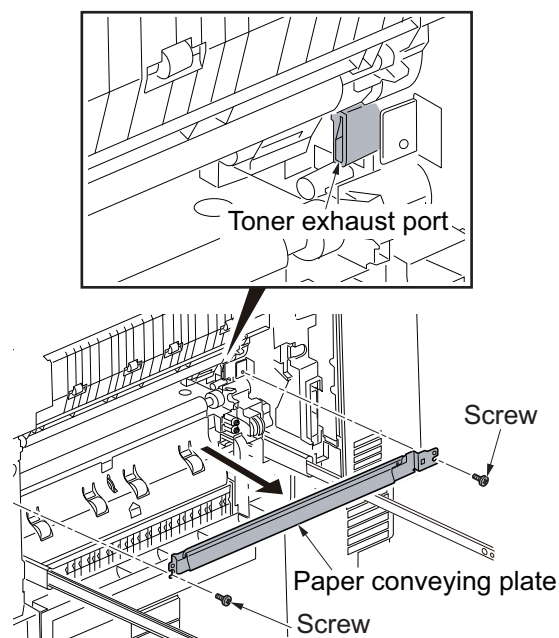


Figure 2-4-3

3. Cleaning the duct at the back of the developer unit
 - * : 300K Maintenance. Not required when a developer unit is replaced.

Procedure

1. Remove the developer unit (see page P.1-5-39).
2. Remove toner inside the cooling ducts using a vacuum cleaner.

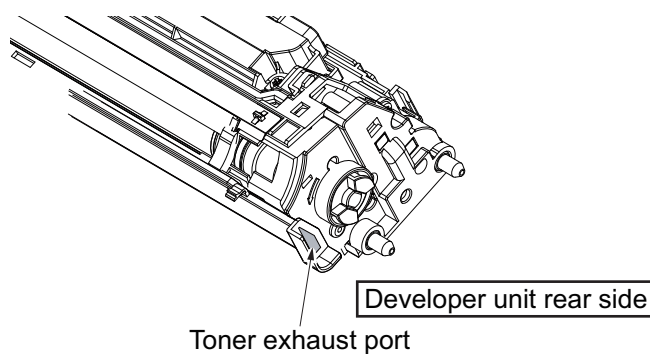


Figure 2-4-4

3. Cleaning the toner reservoir at the toner receiver in the developer unit.

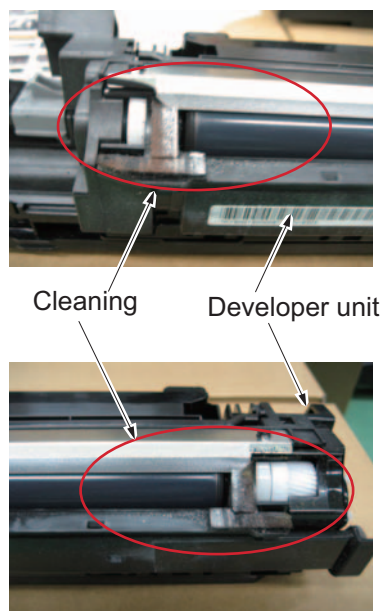


Figure 2-4-5

4. Cleaning the separator

Procedure

1. Open the front upper cover.
Remove the cleaning brush (blue colored).
2. As shown in the figure, clean dirt from the separator by moving the brush from side to side along the separator.

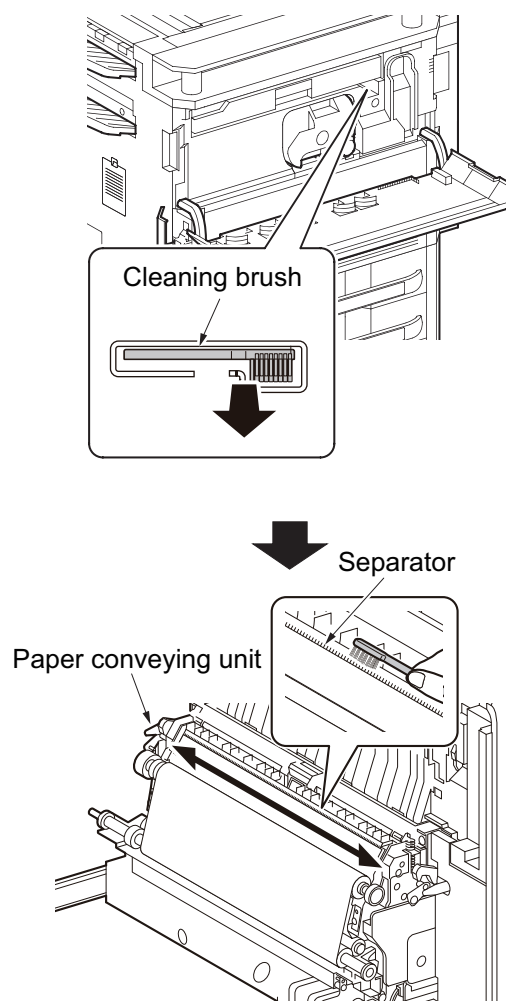


Figure 2-4-6

5. Cleaning the right regist cleaner

Procedure

1. Remove the transfer belt unit.
2. Clean the regist cleaner R.

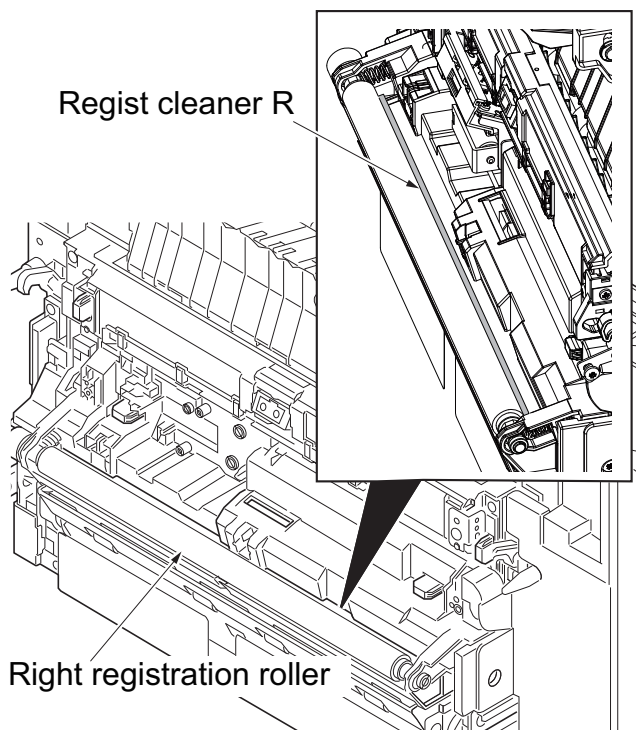


Figure 2-4-7

6. Cleaning the left regist cleaner

Procedure

1. Remove the developer unit.
(see page P.1-3-138).
2. Remove the drum unit.
(see page P.1-3-138).
3. Clean the cleaner unit by pulling out the regist cleaner L.

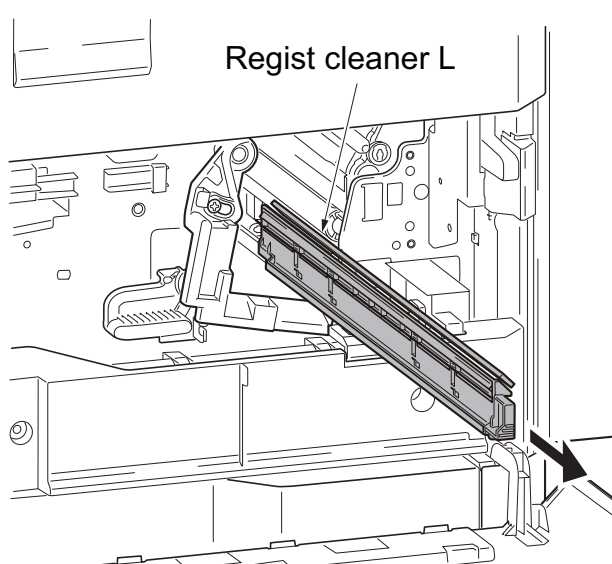
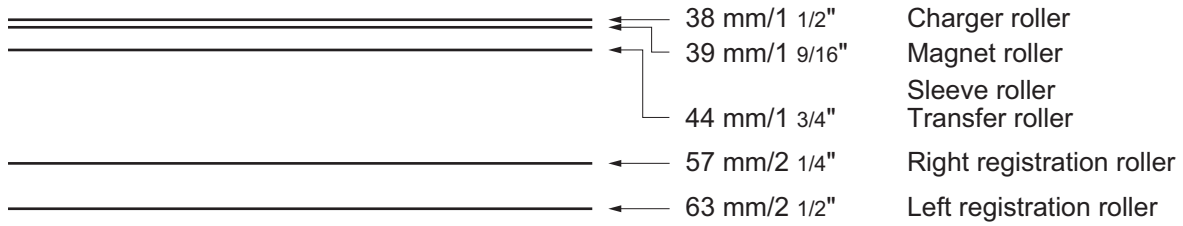


Figure 2-4-8

(5) Repetitive defects gauge

← First occurrence of defect



← 125.7 mm/4 15/16" Drum

← 157 mm/6 3/16" Press roller

← 164 mm/6 7/16" Transfer belt



← 206.6 mm/8 1/8" Heat roller

(6) Firmware environment commands

The printer maintains a number of printing parameters in its memory. These parameters may be changed permanently with the FRPO (Firmware RePrOgram) commands.

This section provides information on how to use the FRPO command and its parameters using examples.

Using FRPO commands for reprogramming firmware

The current settings of the FRPO parameters are listed as optional values on the service status page.

Note: Before changing any FRPO parameter, print out a service status page, so you will know the parameter values before the changes are made. To return FRPO parameters to their factory default values, send the FRPO INIT (FRPO-INITialize) command.(!R! FRPO INIT; EXIT;)

The FRPO command is sent to the printer in the following sequence:

!R! FRPO parameter, value; EXIT;

Example: Changing emulation mode to PCL6

!R! FRPO P1, 6; EXIT;

FRPO parameters

Item	FRPO	Setting values	Factory setting
Top margin	A1	Integer value in inches	0
	A2	Fraction value in 1/100 inches	0
Left margin	A3	Integer value in inches	0
	A4	Fraction value in 1/100 inches	0
Page length	A5	Integer value in inches	17
	A6	Fraction value in 1/100 inches	30
Page width	A7	Integer value in inches	17
	A8	Fraction value in 1/100 inches	30
Default pattern resolution	B8	0: 300 dpi 1: 600 dpi	0
Page orientation	C1	0: Portrait 1: Landscape	0
Default font No. *	C2	Middle two digits of power-up font	0
	C3	Last two digits of power-up font	0
	C5	First two digits of power-up font	0
PCL font switch	C8	0: HP compatibility mode 32: Conventional compatibility mode	0
Print density control parameter	D4	1: Pale 2: Relatively pale 3: Normal 4: Relevantly dark 6: Dark	4
Total host buffer size	H8	0 to 99 in units of the size defined by FRPO S5	5
Form feed time-out value	H9	Value in units of 5 seconds (1 to 99)	6 (30 s)

Item	FRPO	Setting values	Factory setting
KIR mode	N0	0: Off 2: On	2
Duplex mode	N4	0: Off 1: Long edge binding 2: Short edge binding	0
Sleep timer time-out time	N5	Value in units of 1 minute (1 to 240)	60
Ecoprint level	N6	0: Off 2: On	0
Default emulation mode	P1	6: PCL 6 9: KPDL	120V: 9 220-240V: 6
Carriage-return action	P2	0: Ignores 1: Carriage-return 2: Carriage-return + linefeed	1
Linefeed action	P3	0: Ignores 1: Linefeed 2: Linefeed + carriage-return	1
Automatic emulation switching	P4	0: AES disabled 1: AES enabled	120V: 1 220-240V: 0
Alternative emulation (For KPDL3)	P5	Same as the P1 values except that 9 is ignored.	6
Automatic emulation switching trigger	P7	0: Page eject commands 1: None 2: Page eject and prescribe EXIT commands 3: Prescribe EXIT commands 4: Formfeed (^L) commands 6: Prescribe EXIT and formfeed commands 10: Page eject commands; if AES fails, resolves to KPDL	120V: 11 220-240V: 10
Command recognition character	P9	ASCII code of 33 to 126	82 (R)
Default stacker	R0	1 (inner tray)	1

Item	FRPO	Setting values	Factory setting
Default paper size	R2	0: Size of the default paper cassette (See R4.) 1: Monarch (3-7/8 × 7-1/2 inches) 2: Business (4-1/8 × 9-1/2 inches) 3: International DL (11 × 22 cm) 4: International C5 (16.2 × 22.9 cm) 5: Executive (7-1/4 × 10-1/2 inches) 6: US Letter (8-1/2 × 11 inches) 7: US Legal (8-1/2 × 14 inches) 8: A4 (21.0 × 29.7 cm) 9: JIS B5 (18.2 × 25.7 cm) 10: A3 (29.7 × 42 cm) 11: B4 (25.7 × 36.4 cm) 12: US Ledger (11 × 17 inches) 13: ISO A5 14: A6 (10.5 × 14.8 cm) 15: JIS B6 (12.8 × 18.2 cm) 16: Commercial #9 (3-7/8 × 8-7/8 inches) 17: Commercial #6 (3-5/8 × 6-1/2 inches) 18: ISO B5 (17.6 × 25 cm) 19: Custom (11.7 × 17.7 inches) 20: B4toA4 21: A3toA4 22: A4toA4[98%] 23: STKtoA4 24: STKtoB4 30: C4 (22.9 × 32.4 cm) 31: Hagaki (10 × 14.8 cm) 32: Ofuku-hagaki (14.8 × 20 cm) 33: Officio II 38: 12 × 18 39: 8K 40: 16K 42: 8.5 × 13.5 inches 50: Statement 51: Folio 52: Youkei 2 53: Youkei 4	0
Default cassette	R4	0: MP tray 1: Cassette 1 2: Cassette 2 3: Cassette 3 4: Cassette 4 5: Cassette 5 6: Cassette 6 7: Cassette 7	1
Sorter full action	S3	0: Stop operation with detecting tray-full 1: Switching to the eject-able destinations when bin becomes tray full	0

Item	FRPO	Setting values	Factory setting
A4/letter equation	S4	0: Off 1: On	1
Host buffer size	S5	0: 10 KB 1: 100 KB 2: 1024 KB	1
Wide A4	T6	0: Off 1: On	0
Line spacing *	U0	Lines per inch (integer value)	6
	U1	Lines per inch (decimal value)	0
Character spacing *	U2	Characters per inch (integer value)	10
	U3	Characters per inch (decimal value)	0
Country code	U6	0: US-ASCII 1: France 2: Germany 3: UK 4: Denmark 5: Sweden 6: Italy 7: Spain 8: Japan 9: US Legal 10: IBM PC-850 (Multilingual) 11: IBM PC-860 (Portuguese) 12: IBM PC-863 (Canadian French) 13: IBM PC-865 (Norwegian) 14: Norway 15: Denmark 2 16: Spain 2 17: Latin America 50 - 99: HP PCL symbol set coding	41
Code set at power up in daisywheel emulation	U7	0: Same as the default emulation mode (P1) 1: IBM 6: PCL 7 - 99: HP PCL symbol set coding	53
Font pitch for fixedpitch scalable font *	U8	Default font pitch (integer value)	10
	U9	Default font pitch (decimal value)	0
Font height for the default scalable font *	V0	Integer value in 100 points: 0 to 9	0
	V1	Integer value in points: 0 to 99	12
	V2	decimal value in 1/100 points: 0, 25, 50, 75	0
Default scalable font *	V3	Name of typeface of up to 32 characters, enclosed with single or double quotation marks	Courier

Item	FRPO	Setting values	Factory setting
Default weight (courier and letter Gothic)	V9	0: Courier = darkness Letter Gothic = darkness 1: Courier = regular Letter Gothic = darkness 4: Courier = darkness Letter Gothic = regular 5: Courier = regular Letter Gothic = regular	5
Paper type for the MP tray	X0	1: Plain 2: Transparency 3: Preprinted 4: Label 5: Bond 6: Recycle 7: Vellum 9: Letterhead 10: Color 11: Prepunched 12: Envelope 13: Cardstock 14: Coated 16: Thick 17: High quality 21 to 28: Custom1 to 8	1
Paper type for cassettes 1 and 2	X1 X2	1: Plain 3: Preprinted 5: Bond 6: Recycled 7: Vellum 9: Letterhead 10: Color 11: Prepunched 16: Thick 17: High quality 21 to 28: Custom1 to 8	1
Paper type for optional cas- settes 3 to 7	X3 X4 X5	1: Plain 3: Preprinted 5: Bond 6: Recycled 9: Letterhead 10: Color 11: Prepunched 17: High quality 21 to 28: Custom1 to 8	1
PCL paper source	X9	0: Paper selection depending on an escape sequence compatible with HP-LJ5Si. 2: Paper selection depending on an escape sequence compatible with HP-LJ8000.	0

Item	FRPO	Setting values	Factory setting
Automatic continue for 'Press GO'	Y0	0: Off 1: On	0
Automatic continue timer	Y1	Value in units of 5 seconds (1 to 99)	6 (30 s)
Error message for device error	Y3	0: Not detect 127: Detect	127
Duplex operation for specified paper type (Prepunched, Preprinted and Letterhead)	Y4	0: Off 1: On	0
Default operation for PDF direct printing	Y5	0: Enlarges or reduces the image to fit in the current paper size. Loads paper from the current paper cassette. 1: Through the image. Loads paper which is the same size as the image. 2: Enlarges or reduces the image to fit in the current paper size. Loads Letter, A4 size paper depending on the image size. 3: Through the image. Loads Letter, A4 size paper depending on the image size. 8: Through the image. Loads paper from the current paper cassette. 9: Through the image. Loads Letter, A4 size paper depending on the image size. 10: Enlarges or reduces the image to fit in the current paper size. Loads Letter, A4 size paper depending on the image size.	0
e-MPS error	Y6	0: Does not print the error report and display the error message. 1: Prints the error report. 2: Displays the error message. 3: Prints the error report and displays the error message.	3

*: Ignored in some emulation modes.

(7) System Error (Fxxxx) Outline

The document is subscribed to describe the outline of the factors of the Fxxx errors that are not described in the

service manual. Please utilize it to refer to checking the factors.

Please utilize it as the measures when the system is not recovered after power off/on or it frequently occurs.

It may be from the hardware factor while the error (Fxxx) is indicated.

Please initially check the following.

Check the DDR2 memory and neighboring parts:

Check the contact of YS1 or YS2 with the memory. Replace the memory if the error repeats.

Check the HDD if the error repeats after replacing the main board.

Take care, however, of handling the data when formatting or replacing the HDD.

Check the HDD : Replace the HDD if the error repeats after formatting the HDD.

No.	Content	Check procedure & check point	Remark 1	Remark 2
-	Lock-up at Welcome display (The display unchanges after 3 minutes 30 seconds or more)	1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching, and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) 4) Execute the U021Memory initializing to initialize the controller backup memory and check function. 5) Replace the panel board and check function. 6) Replace the main board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.	*User data and installed software is deleted if executing the U024. Reinstallation is required.	[Main - Panel Interface] Main bord:YC12, YC1,YC30 Panel board:YC1,YC2,YC3 [Main - HDD] Main board:YC1,YC2
F000	CF000 appears in 3minutes 30 seconds after the Welcome display continues Panel—Main board communication error	1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching, and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) 4) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 5) Replace the main board and check function. 6) Replace the Panel board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.		[Main-Panel Interface] Mainboard: YC12,YC17,YC30 Panel borad: YC1,YC2,YC3 If the LEDs are in the state belwo when the F000 appears, the DDR2 memory failure may be the cause. Check contact of theYS1 or YS2 with the memory. Memory LED turned on
F10X	An error is detected at OS or some of device drivers.	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F11X		3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F12X	An error is detected at the Scan control section	1) Check connection of the harness (Scan/DP - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		[Main-Scan Interface] Main board:YC11,YC25 ISC board: [Main-DP relay Interface] (Check if the boards are firmly connected via the board-to-board connector.) Main board:YC10 DP relay board:YC4
F13X	An error is detected at the Panel control section	1) Check connection of the harness (Panel - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the panel board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		[Main-Panel Interface] Main board:YC12,YC17,YC30 Panel board:YC1,YC2,YC3
F14X	An error is detected at the FAX control section	1) Check connection of the harness (FAX - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take cae of the received data since it is cleared) 5) Replace the FAX_DIMM and check function. 6) Replace the FAX board and check function. 7) Replace the main board and check function. 8) Retrieve the USBLOG and contact the Service Administrative Division.		F14A,F14F: KUIO error Main board (USB hub) [Main-KUIO Interface] Main board:YC8,YC9 KUIO board:YC3,YC4
F15X	An error is detected at the authentication device control section	1) Check connection of the harness (Authentication device - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	Authentication device: Card Reader, etc.	
F17X	An error is detected at the print data control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F18X	An error is detected at the Video control section	1) Check connection of the harness (Engine - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the engine board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		[Main⇄ENGINE Interface] Main board:YC3 Engine board:YC46 or YC50
F19X	An error is detected at the OS or some of device drivers	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F1AX		3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F1BX	An error is detected at the Security management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		

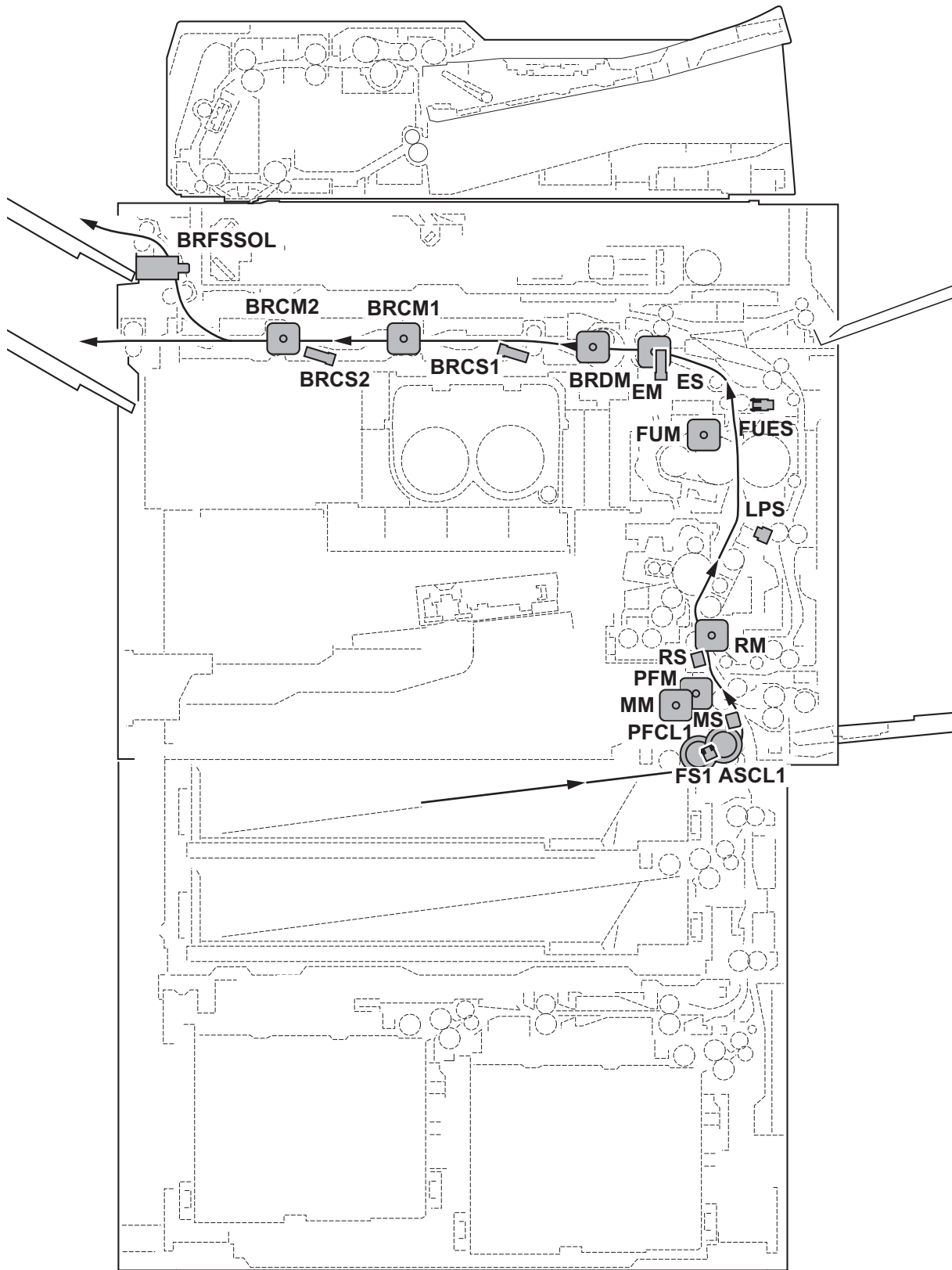
No.	Content	Check procedure & check point	Remark 1	Remark 2
F1CX	An error is detected at the File System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*The F1C4 error appears with the HDD security kit at work.	
F1DX	An error is detected at the Image memory management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*The F1D4 error is RAM allocation error. 1) Check it with the U340 2) Initialize the setting valued with the U021	
F1EX	An error is detected at the OS or some of device drivers	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F1FX				
F20X				
F21X	An error is detected at the Image processing section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		[DDR2 memory contact check] Main board:YS1 or YS2 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not
F22X				
F23X				
F24X	An error is detected at the System management section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	*The F248 error is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG.	[DDR2 memory contact check] Main board:YS1 or YS2 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not sensitive.
F25X	An error is detected at the Network management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division. (or retrieve the packet capture data depending on the result of analysis)	*This may be owing to the users network environment.	
F26X	An error is detected at the System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F27X				
F28X				
F29X				
F2AX				
F2BX	An error is detected at the Network control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division. (or retrieve the packet capture data depending on the result of analysis)		
F2CX				
F2DX				
F2EX				
F2FX				
F30X				
F31X				
F32X				
F33X	An error is detected at the Scan management section	1) Check connection of the harness (Scan/DP board - main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		
F34X	An error is detected at the Panel management section	1) Check connection of the harness (Panel board - main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the panel board and check function 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.		
F35X	An error is detected at the Print control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F36X	An error is detected at the Print management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F37X	An error is detected at the FAX management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take care of the received data since it is cleared) 4) Replace the FAX_DIMM and check function. 5) Replace the main board and check function. 6) Replace the HDD and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.		F14A,F14F:KUIO error Main board (USB hub) [Main-KUIO Interface] Main board: YC8,YC9 KUIO board: YC3,YC4

No.	Content	Check procedure & check point	Remark 1	Remark 2
F38X	An error is detected at the Authentication/permit management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F3AX F3BX F3CX F3DX F3EX F3FX F40X F41X F42X F43X F44X F45X	An error is detected at the Entity management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F46X	An error is detected at the Print image process section	1) Replace the main board and check function. 2) Retrieve the USBLOG (or retrieve the print capture data by case)	*The F46F is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG.	
F47X F48X F49X	An error is detected at the Image edit process control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4AX F4CX	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4DX F4EX	An error is detected at the Entity control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F4FX	An error is detected at the Job control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F50X	An error is detected at the FAX control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F51X F52X F53X F55X F56X F57X	An error is detected at the Job execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F58X F59X F5AX F5BX F5CX F5DX F5EX	An error is detected at the Service management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F5FX	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F60X	An error is detected at the Maintenance mode management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F61X	An error is detected at the Report compiling section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F62X	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		

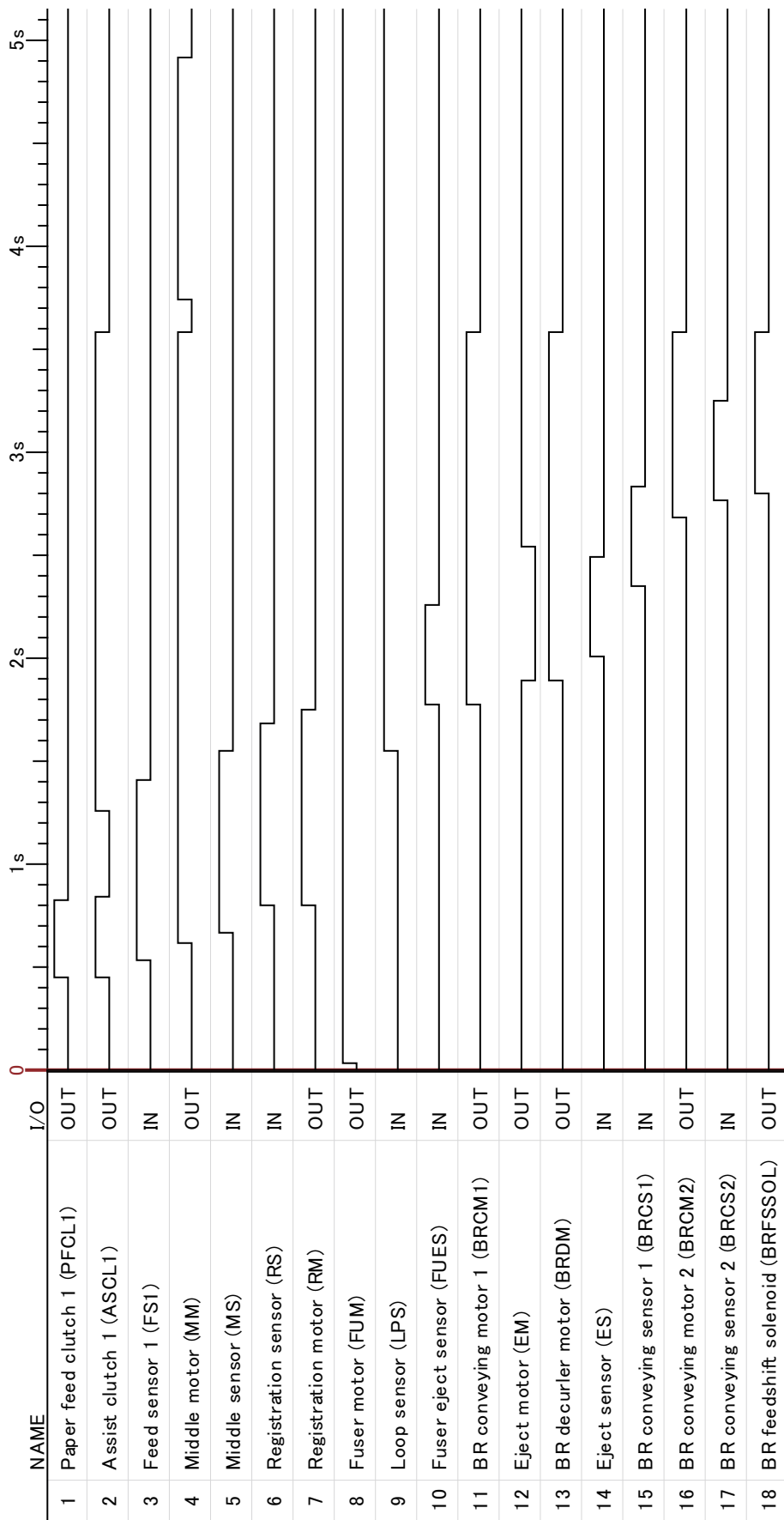
No.	Content	Check procedure & check point	Remark 1	Remark 2
F63X	An error is detected at the Device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F64X	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting)		
F65X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F66X		3) Replace the main board and check function.		
F67X		4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.		
F68X	An error is detected at the Storage device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	*F684 is Overwrite error with the HDD security kit	
F69X	An error is detected at the HyPAS control section	1) Format the HDD and check function. (U024 FULL formatting)		
F6AX		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.		
F6BX		3) Replace the main board and check function.		
F6CX		4) Replace the HDD and check function.		
F6DX		5) Retrieve the USBLOG and contact the Service Administrative Division.		
F6EX	An error is detected at the External Server management section	1) Check the external server and check function.	*FieryOption related	
F6FX		2) Check the connection to the external server and check function.		
F70X		3) Check the network settings and check function.		
F71X		4) Replace the bridge board and check function.		
F72X		5) Replace the main board and check function.		
F73X		6) Retrieve the USBLOG and contact the Service Administrative Division.		
F74X				
F75X				

(8) Timing chart

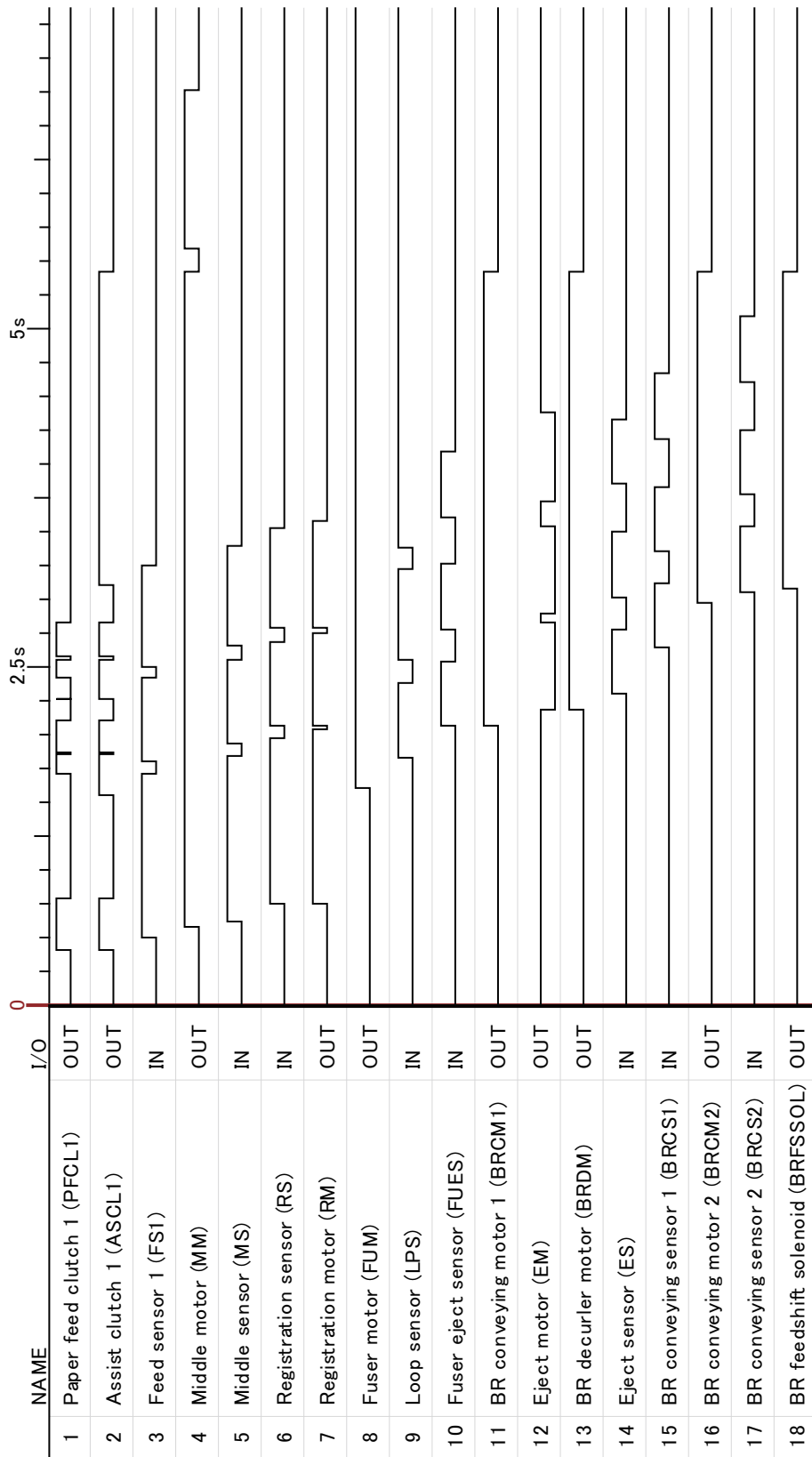
- 1. Cassette1 paper feeding, Paper size A4, Simplex, Preset 1
- 2. Cassette1 paper feeding, Paper size A4, Simplex, Preset 3



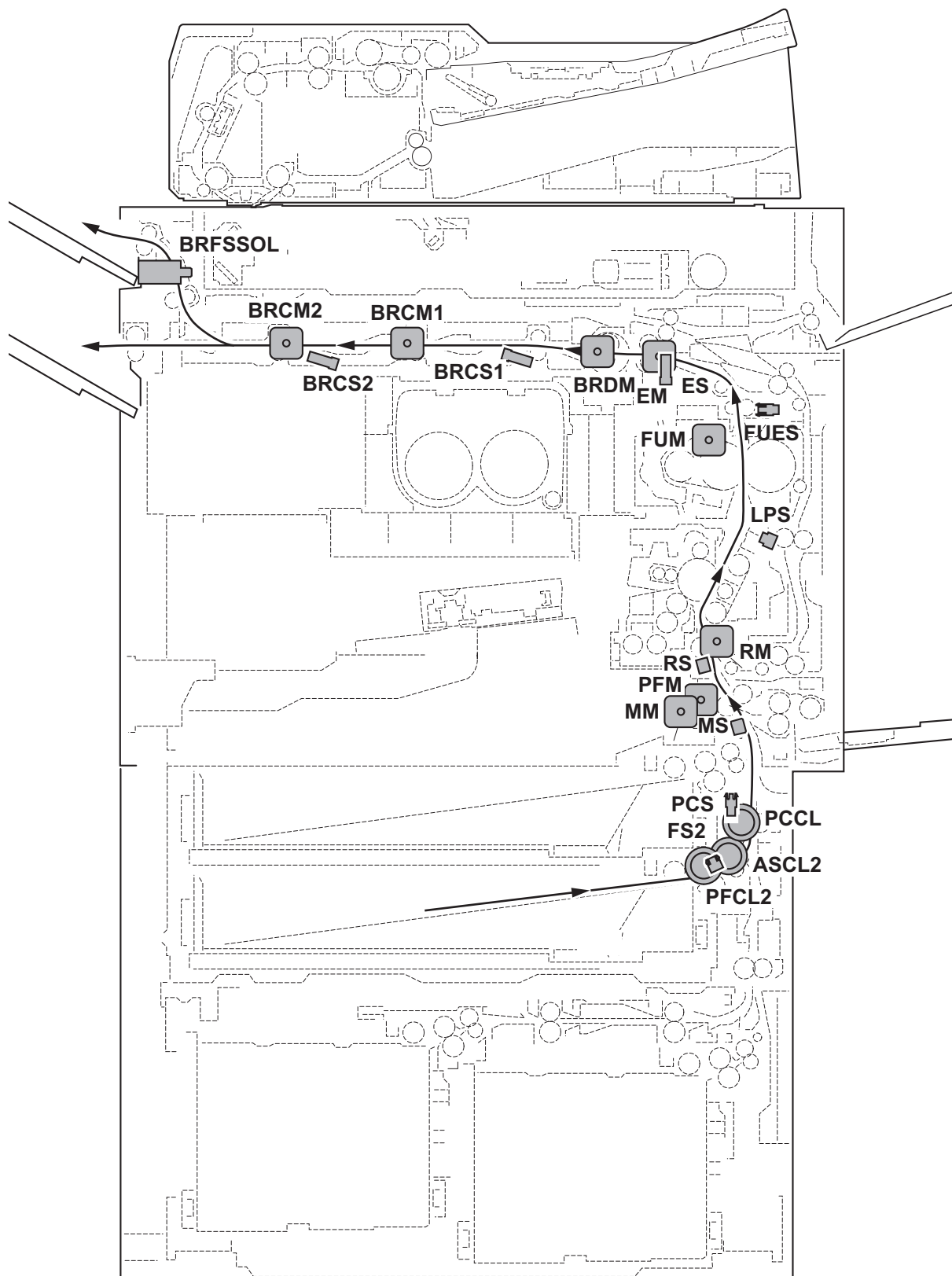
(1) Simplex_Preset 1_cassette1_A4



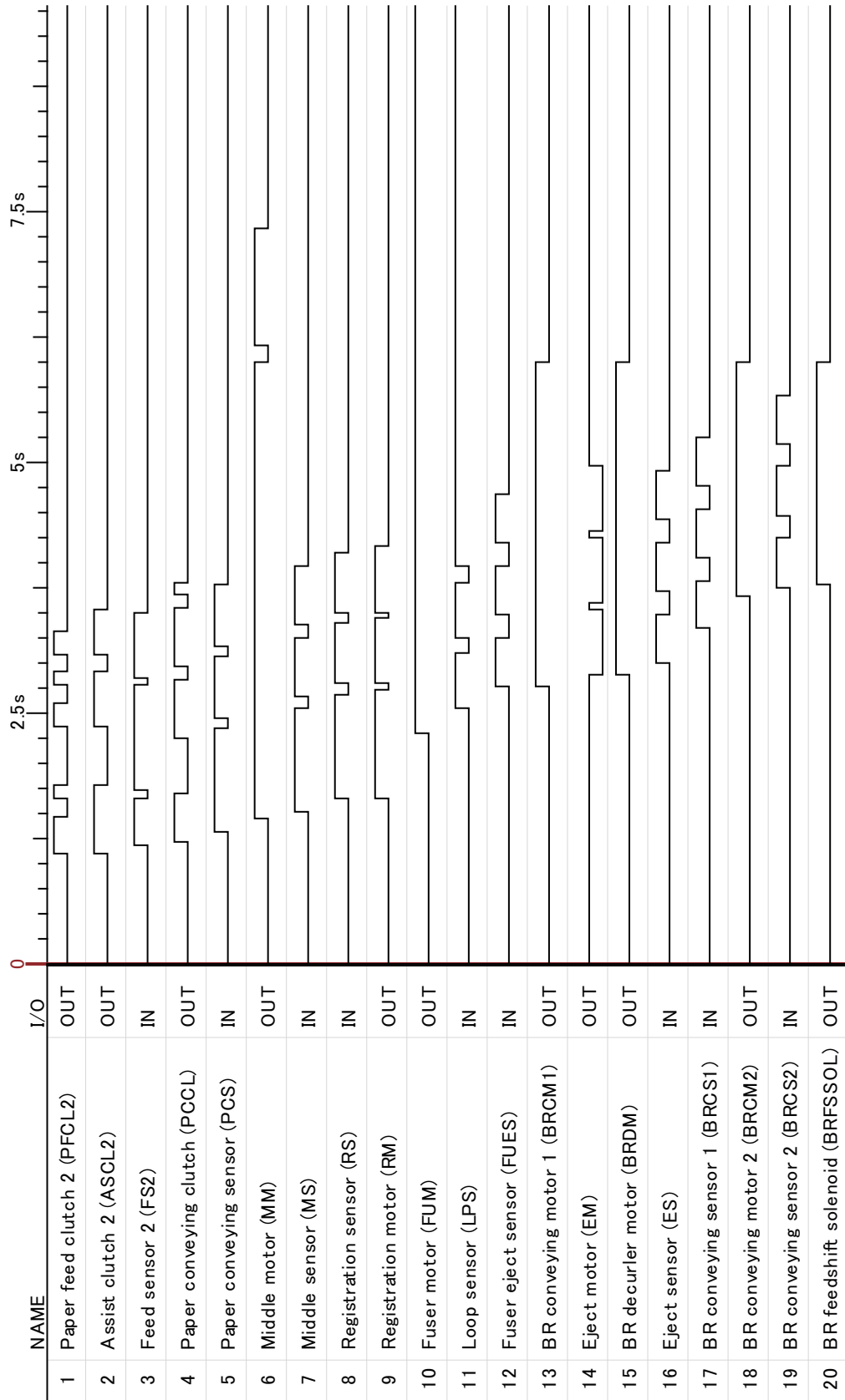
(2) Simplex_Preset 3_cassette1_A4



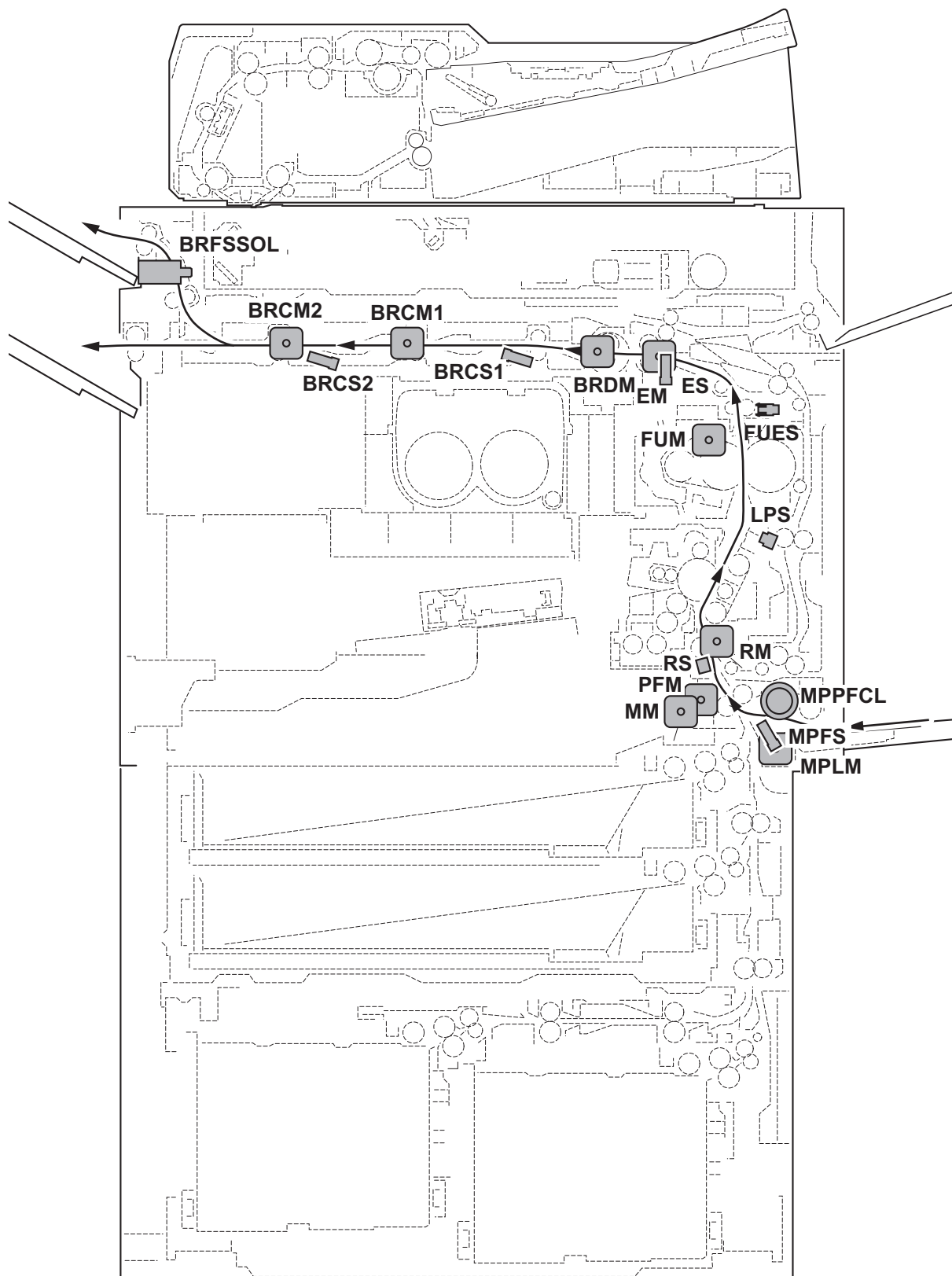
3. Cassette2 paper feeding, Paper size A4, Simplex, Preset 3



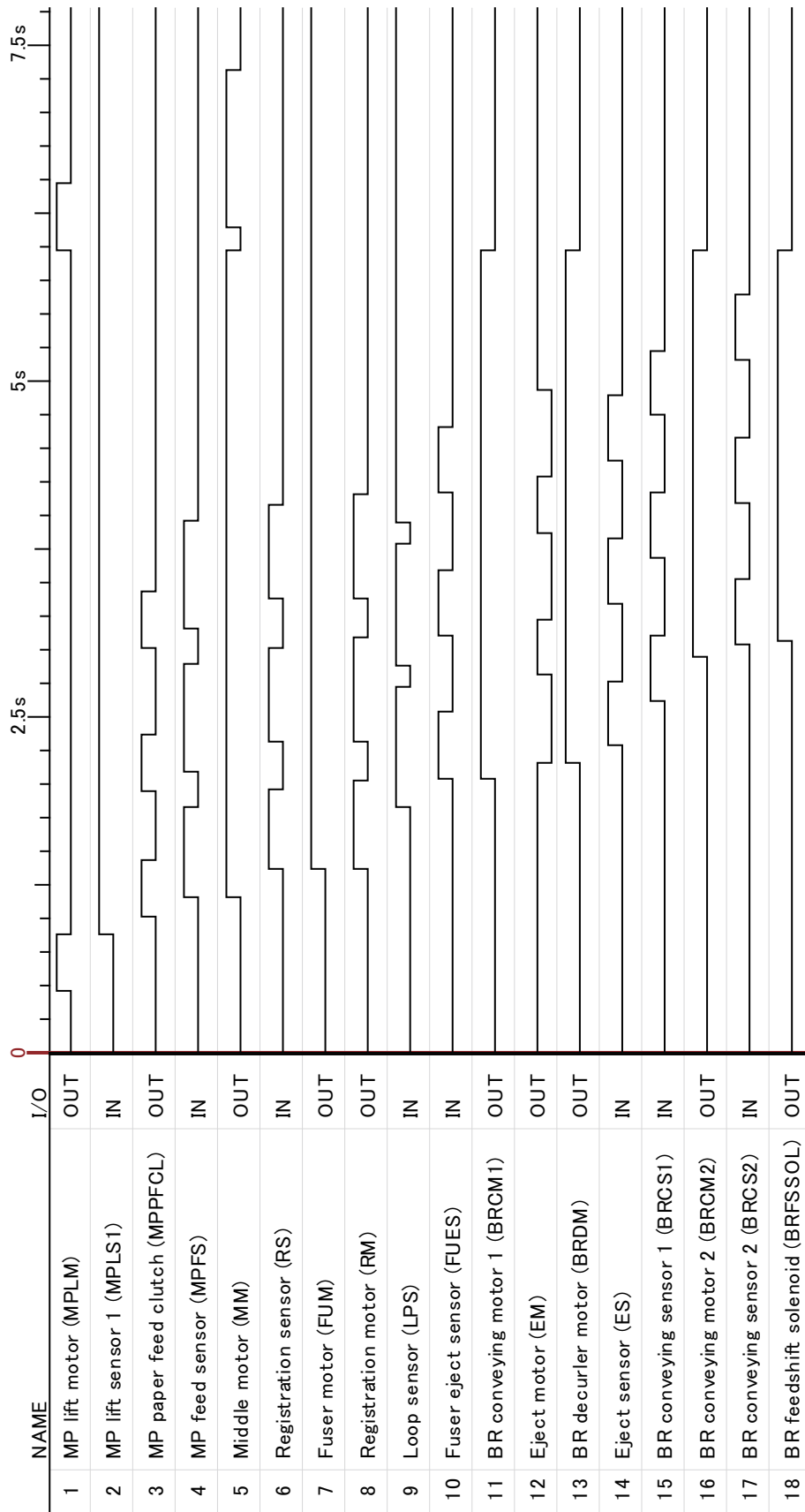
(3) Simplex_Preset 3_cassette2_A4



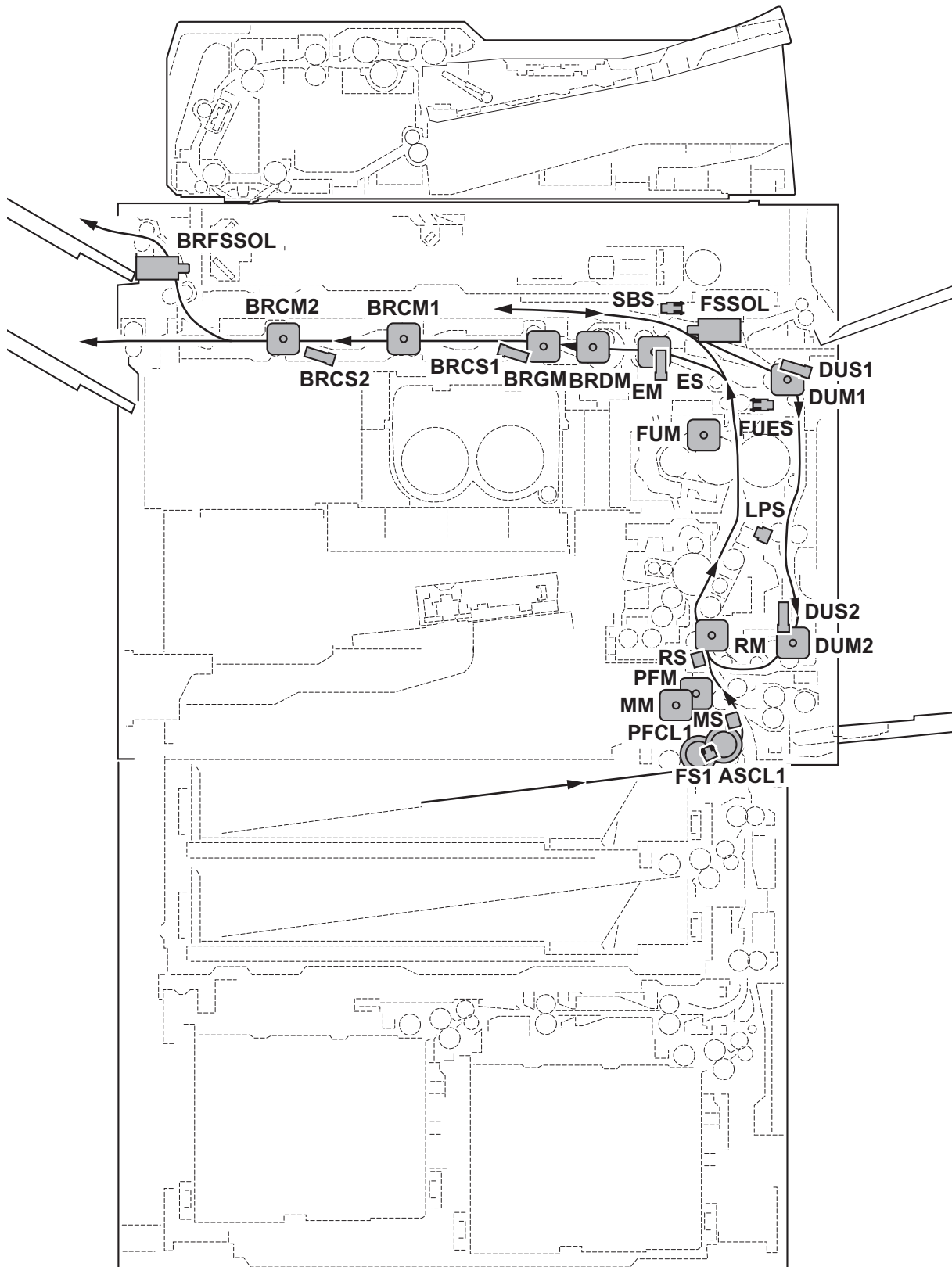
4. MPF paper feeding, Paper size A4, Simplex, Preset 1



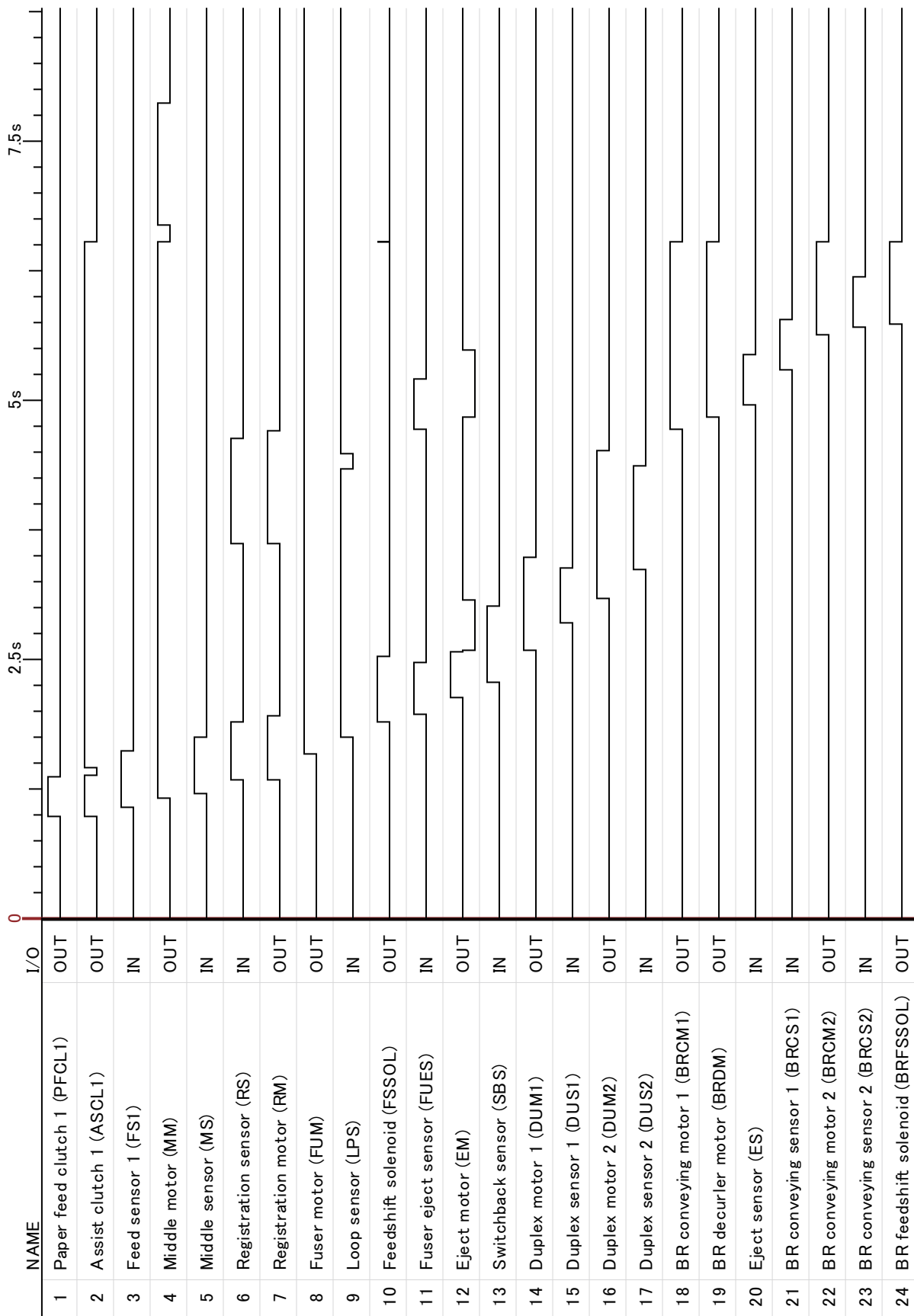
(4) Simplex_Preset 3_MPF_A4



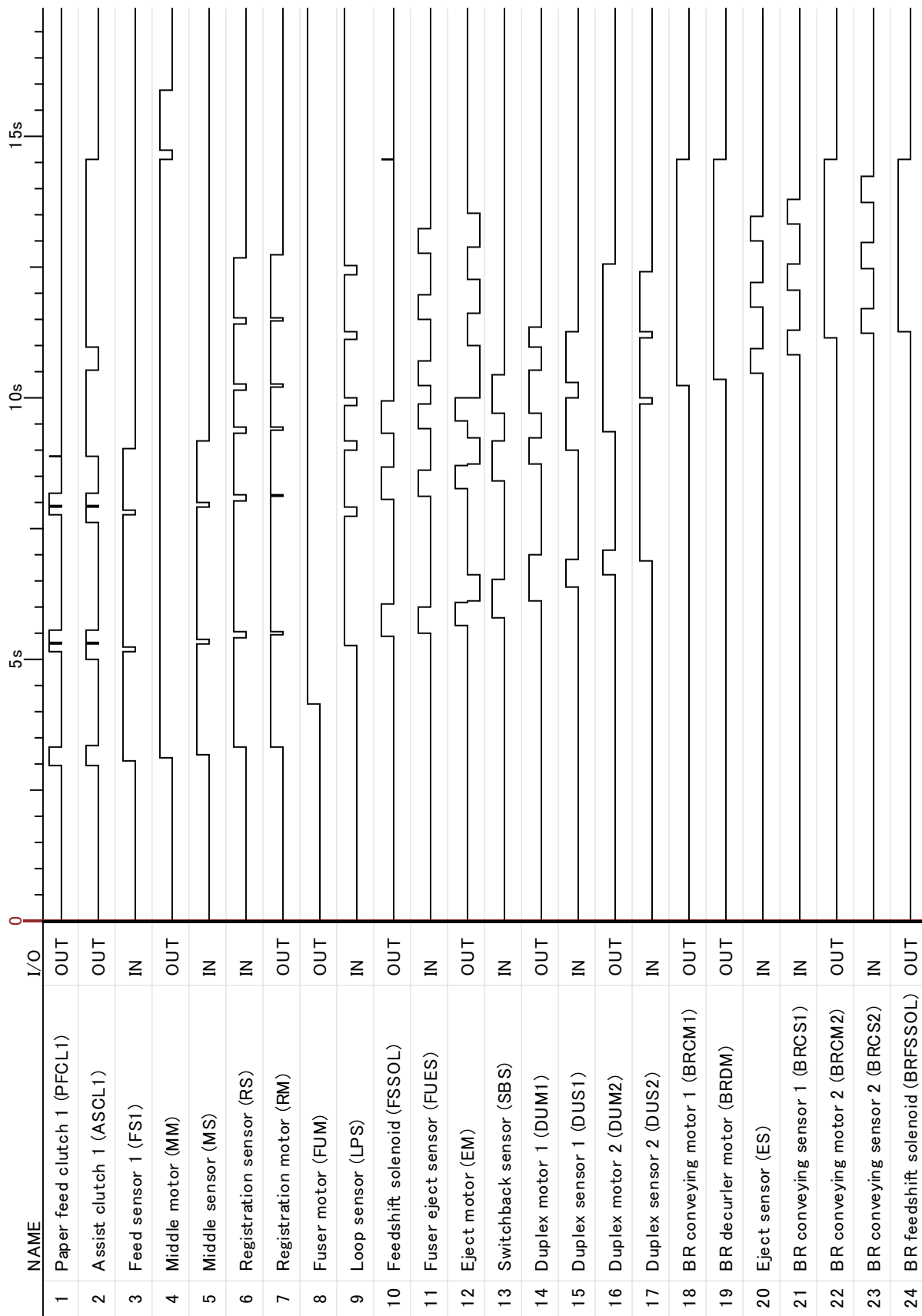
- 5. Cassette1 paper feeding, Paper size A4, Duplex, Preset 1
- 6. Cassette1 paper feeding, Paper size A4, Duplex, Preset 3



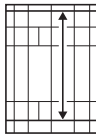
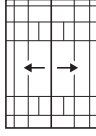
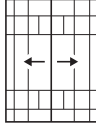
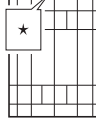
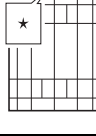
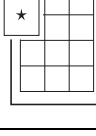
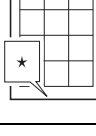
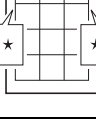
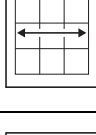
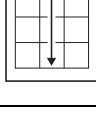
(5) Duplex_Preset 1_cassette1_A4

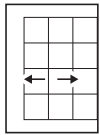
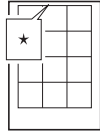
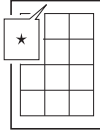
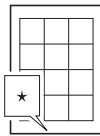
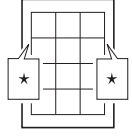


(6) Duplex_Preset 3_cassette1_A4



(9) Chart of image adjustment procedures

Adjusting order	Item	Image	Description	Maintenance mode		Original	Page	Remarks
				Item No.	Mode			
1	Adjusting the magnification in the auxiliary scanning direction (printing adjustment)		Data processing	U039	Sub Scan	U039 test pattern	P.1-3-38	
2	Adjusting the center line of the MP tray (printing adjustment)		Adjusting the LSU print start timing	U034	LSU Out Left	U034 test pattern	P.1-3-34	To make an adjustment for duplex copying, select Duplex.
3	Adjusting the center line of the cassettes (printing adjustment)		Adjusting the LSU print start timing	U034	LSU Out Left	U034 test pattern	P.1-3-34	
4	Adjusting the leading edge registration of the MP tray (printing adjustment)		Registration motor turning on timing (secondary paper feed start timing)	U034	LSU Out Top	U034 test pattern	P.1-3-33	To make an adjustment for duplex copying, select Duplex.
5	Adjusting the leading edge registration of the cassette (printing adjustment)		Registration motor turning on timing (secondary paper feed start timing)	U034	LSU Out Top	U034 test pattern	P.1-3-33	
6	Adjusting the leading edge margin (printing adjustment)		LSU illumination start timing	U402	Lead	U402 test pattern	P.1-3-133	
7	Adjusting the trailing edge margin (printing adjustment)		LSU illumination end timing	U402	Trail	U402 test pattern	P.1-3-133	
8	Adjusting the left and right margins (printing adjustment)		LSU illumination start/end timing	U402	A Margin C Margin	U402 test pattern	P.1-3-133	
9	Adjusting magnification of the scanner in the main scanning direction (scanning adjustment)		Data processing	U065 U070	Main Scan Main Scan	Test chart	P.1-3-48 P.1-3-53	U065: For copying an original placed on the platen. U070: For copying originals from the DP.
10	Adjusting magnification of the scanner in the auxiliary scanning direction (scanning adjustment)		Original scanning speed	U065 U070	Sub Scan Sub Scan	Test chart	P.1-3-48 P.1-3-53	U065: For copying an original placed on the platen. U070: For copying originals from the DP.

Adjusting order	Item	Image	Description	Maintenance mode		Original	Page	Remarks
				Item No.	Mode			
11	Adjusting the center line (scanning adjustment)		Adjusting the original scan data (image adjustment)	U067	Front Rotate	Test chart	P.1-3-51	U067: For copying an original placed on the platen. To make an adjustment for rotate copying, select Rotate. U072: For copying originals from the DP. To make an adjustment for duplex copying, select Back.
				U072	Front Back		P.1-3-57	
12	Adjusting the leading edge registration (scanning adjustment)		Original scan start timing	U066	Front Rotate	Test chart	P.1-3-50	U066: For copying an original placed on the platen. To make an adjustment for trailing edge registration, select Rotate. U071: For copying originals from the DP. To make an adjustment for duplex copying, select Back Head.
				U071	Front Head Back Head		P.1-3-55	
13	Adjusting the leading edge margin (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	B Margin	Test chart	P.1-3-134	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	B Margin		P.1-3-135	
14	Adjusting the trailing edge margin (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	D Margin	Test chart	P.1-3-134	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	D Margin		P.1-3-135	
15	Adjusting the left and right margins (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	A Margin C Margin	Test chart	P.1-3-134	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	A Margin C Margin		P.1-3-135	

When maintenance item U411 (Automatic adjustment in the scanner) is run using the specified original (P/N 7505000005), the following adjustments are automatically made:

- Adjusting the scanner auxiliary scanning direction magnification (U065)
- Adjusting the scanner leading edge registration (U066)
- Adjusting the scanner center line (U067)
- Adjusting the DP magnification (U070)
- Adjusting the DP leading edge registration (U071)
- Adjusting the DP center line (U072)

When maintenance item U411 (Automatic adjustment in the scanner) is run using the specified original (P/N 302AC68243), the following adjustments are automatically made:

- Adjusting the DP magnification (U070)
- Adjusting the DP leading edge registration (U071)
- Adjusting the DP center line (U072)

When maintenance item U411 (Automatic adjustment in the scanner) is run using the chart printed from the machine, the following adjustments are automatically made:

- Adjusting the DP magnification (U070)
- Adjusting the DP leading edge registration (U071)
- Adjusting the DP center line (U072)
- Adjusting the DP magnification (U070)
- Adjusting the DP leading edge registration (U071)
- Adjusting the DP center line (U072)

When maintenance item U415 (Adjusting the print position automatically) is run, the following adjustments are automatically made:

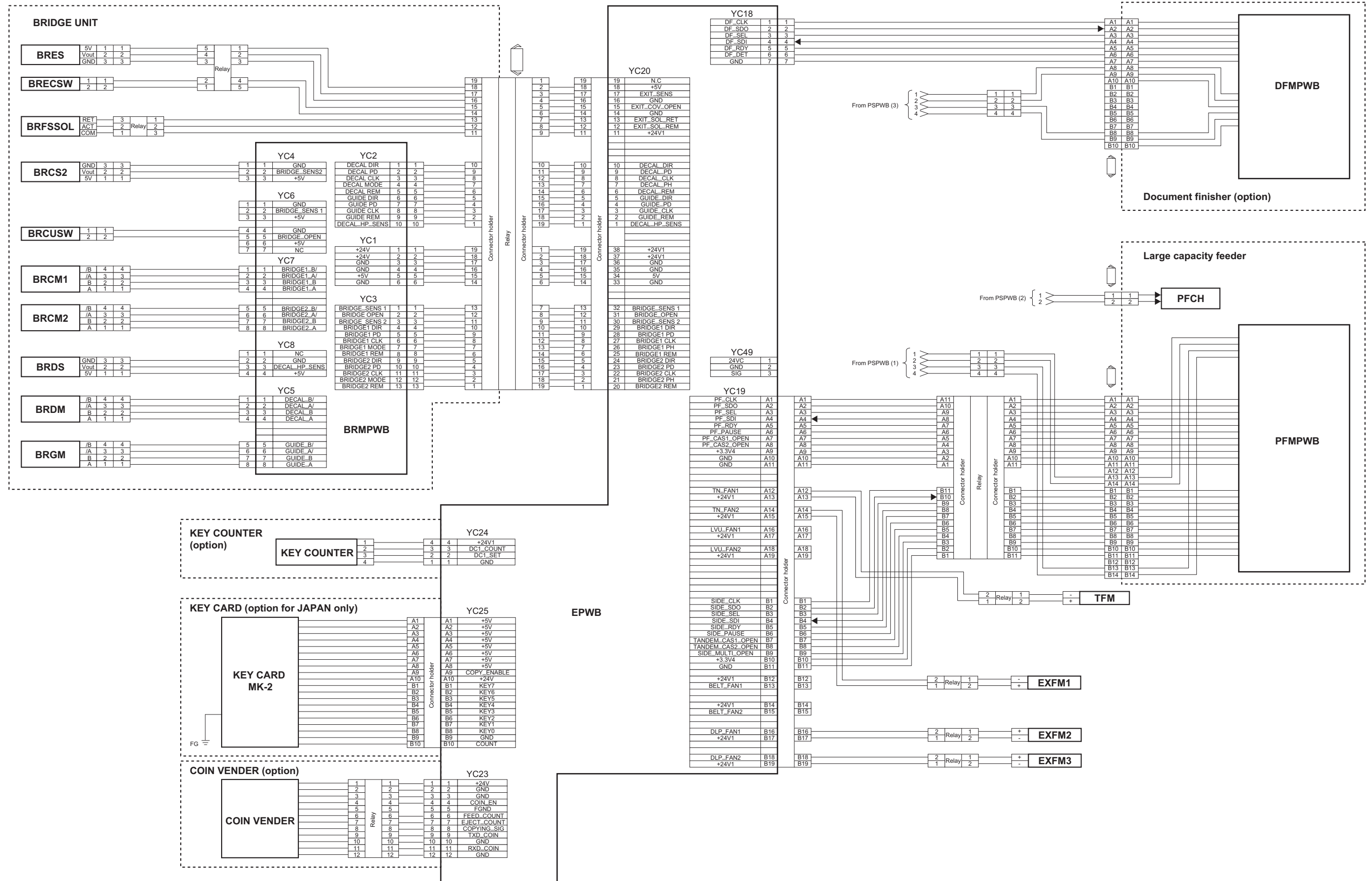
- Adjusting the printer leading edge registration (U034)
- Adjusting the printer center line (U034)
- Adjusting the printer margin (U402)

Image quality

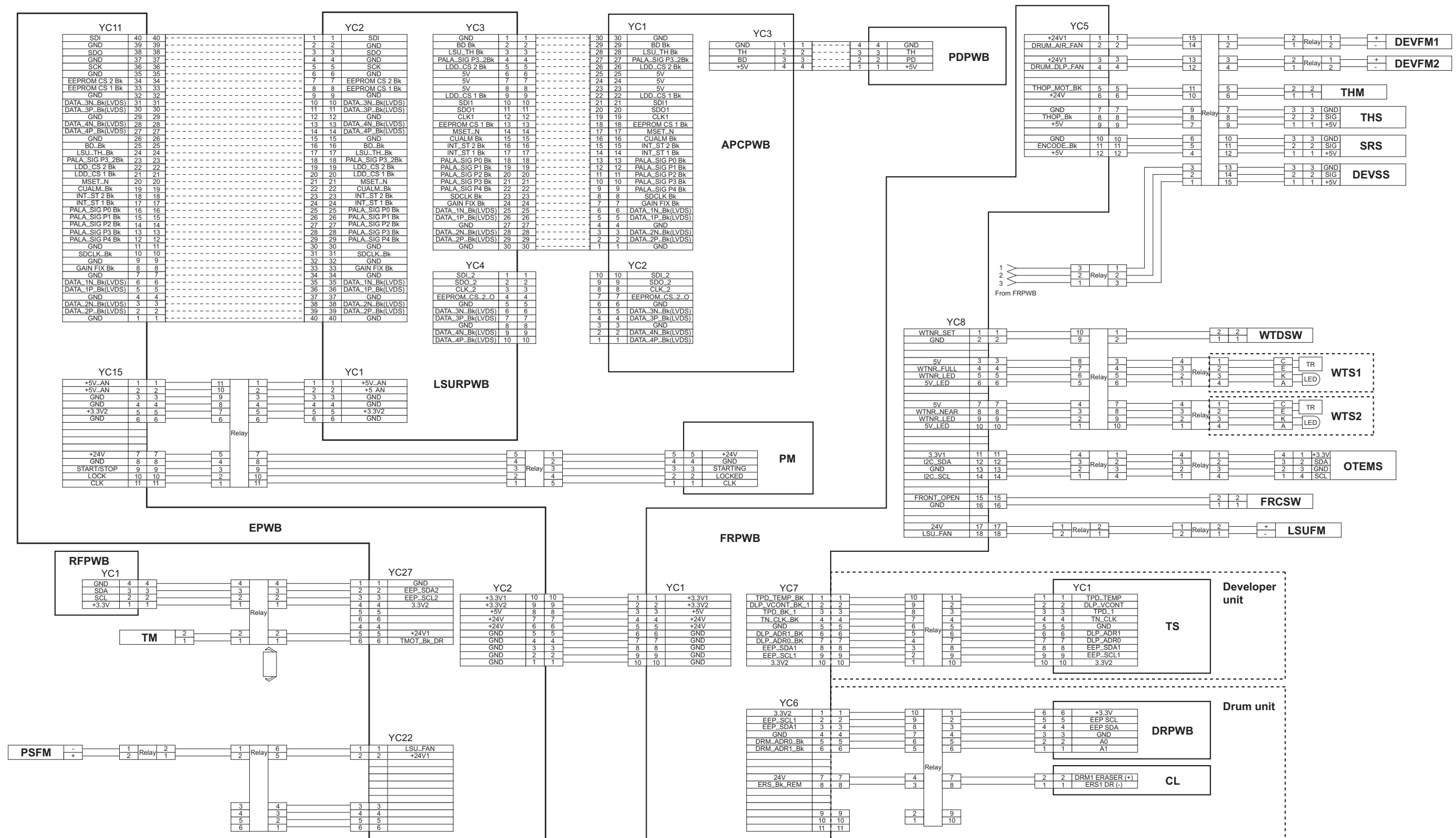
Item	Specifications	Item	Specifications
100% magnification	Machine: ± 0.8 %	Leading edge registration	Cassette: +1.0/-1.5 mm
	Using DP: ± 1.5 %		MP tray: +1.0/-1.5 mm
Enlargement/reduction	Machine: ± 1.0 %		Duplex: +1.0/-1.5 mm
	Using DP: ± 1.5 %	Skewed paper feed (left-right difference)	Cassette: 1.5 mm or less
Lateral squareness	Machine: ± 1.5 mm/375 mm		MP tray: 1.5 mm or less
	Using DP: ± 3.0 mm/375 mm	Duplex: 2.0 mm or less	
		Lateral image shifting	Cassette: ± 2.0 mm
			MP tray: ± 2.0 mm
			Duplex: ± 3.0 mm

(10) Wiring diagram

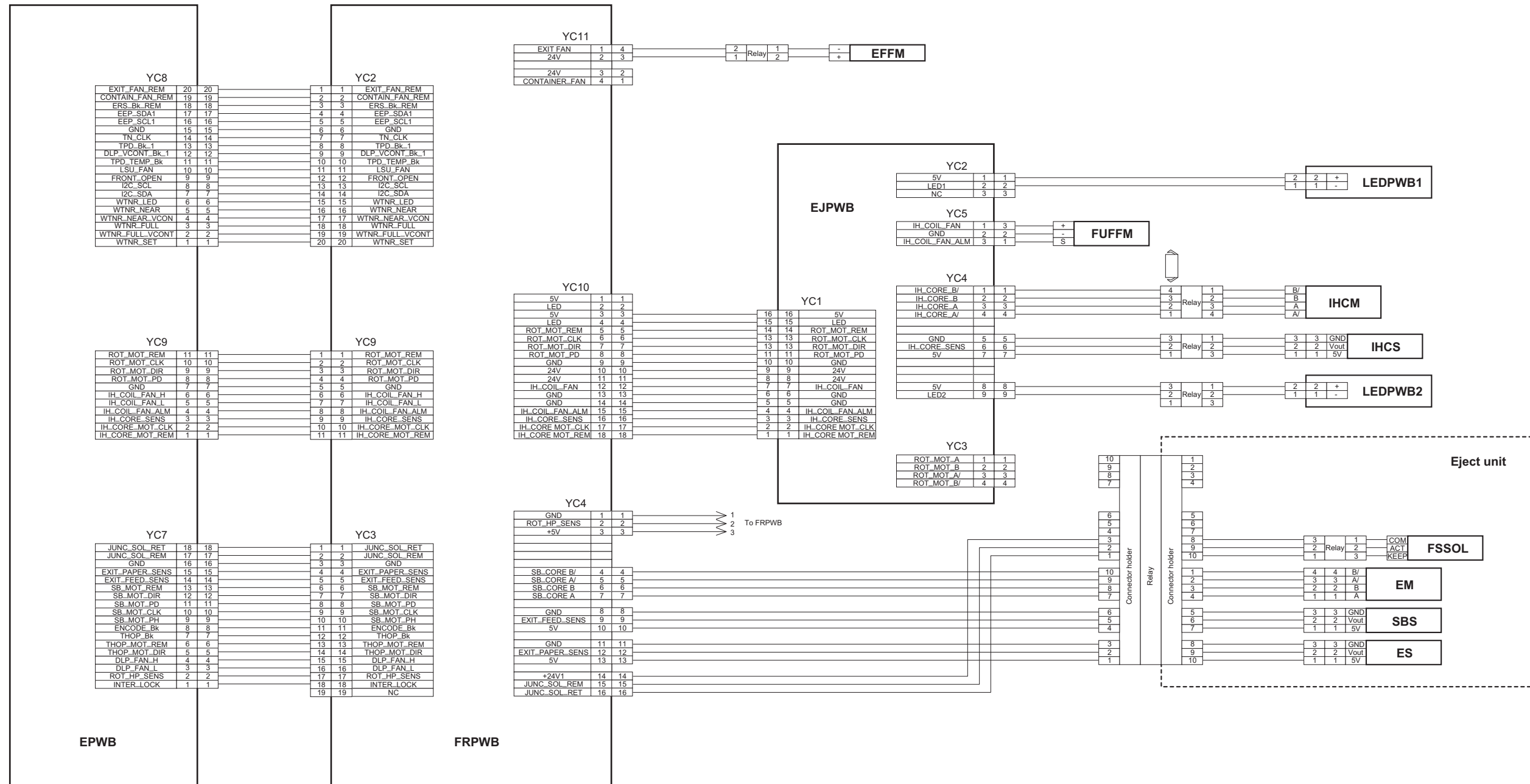
No.1



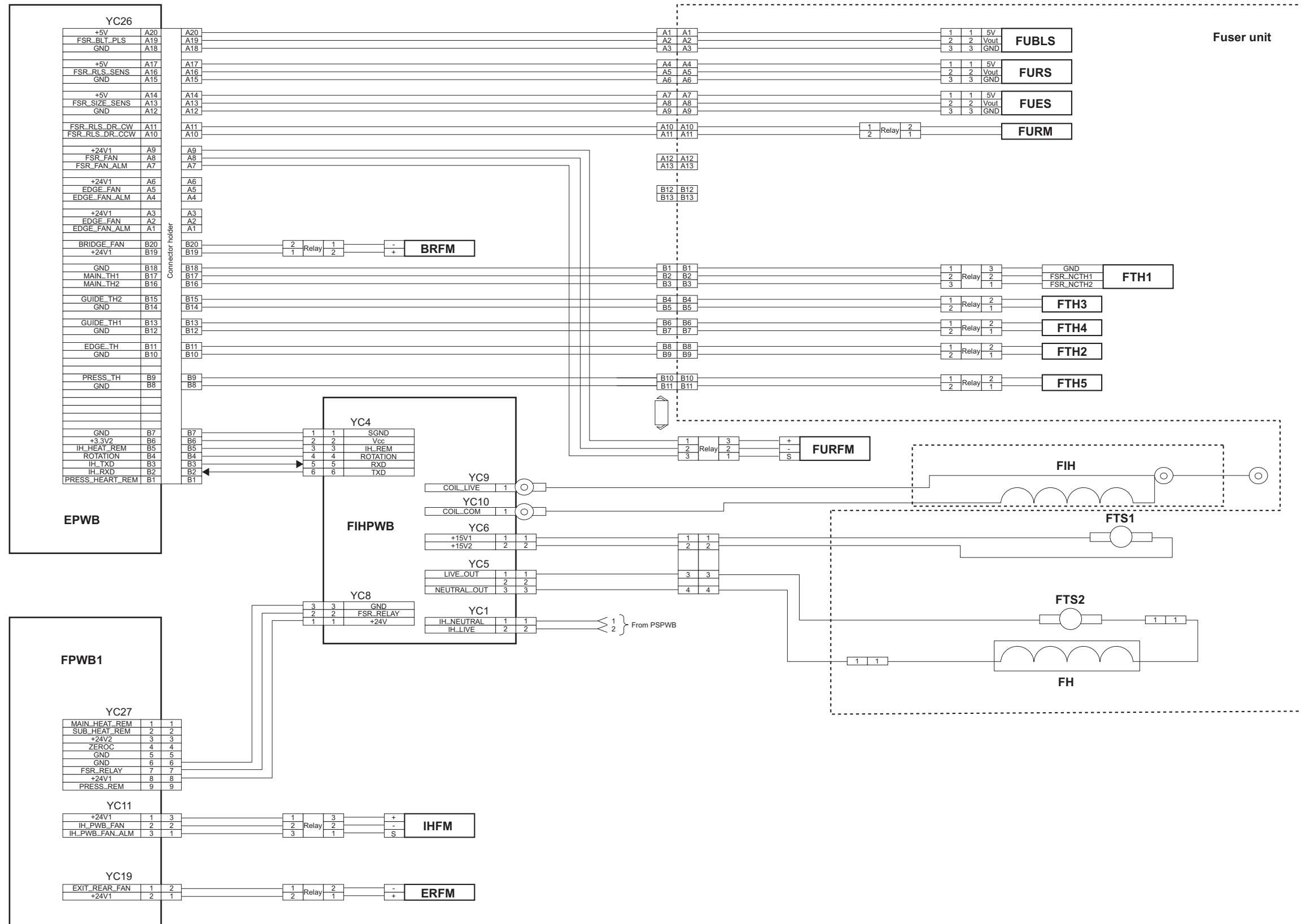
No.2



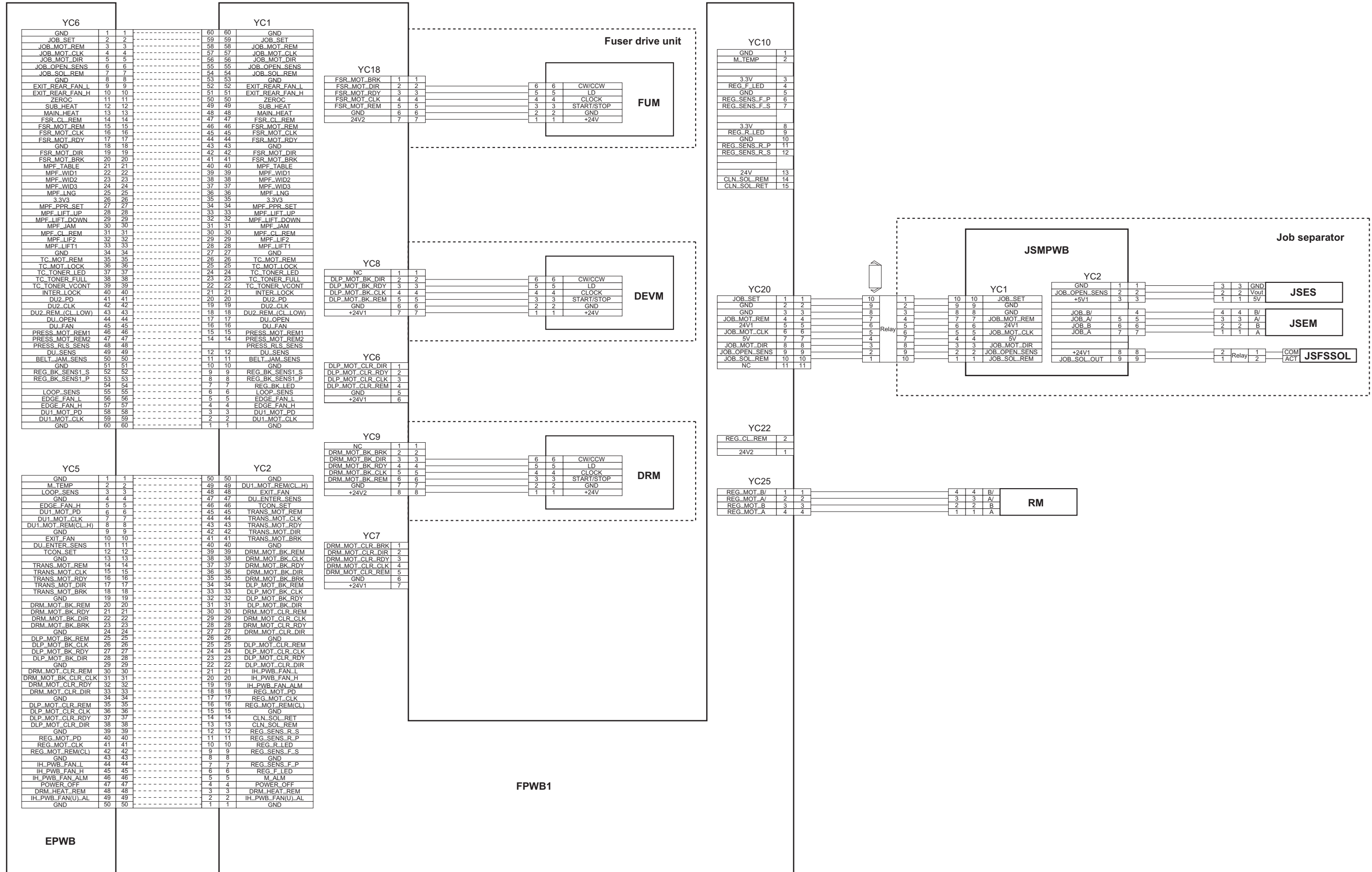
No.3

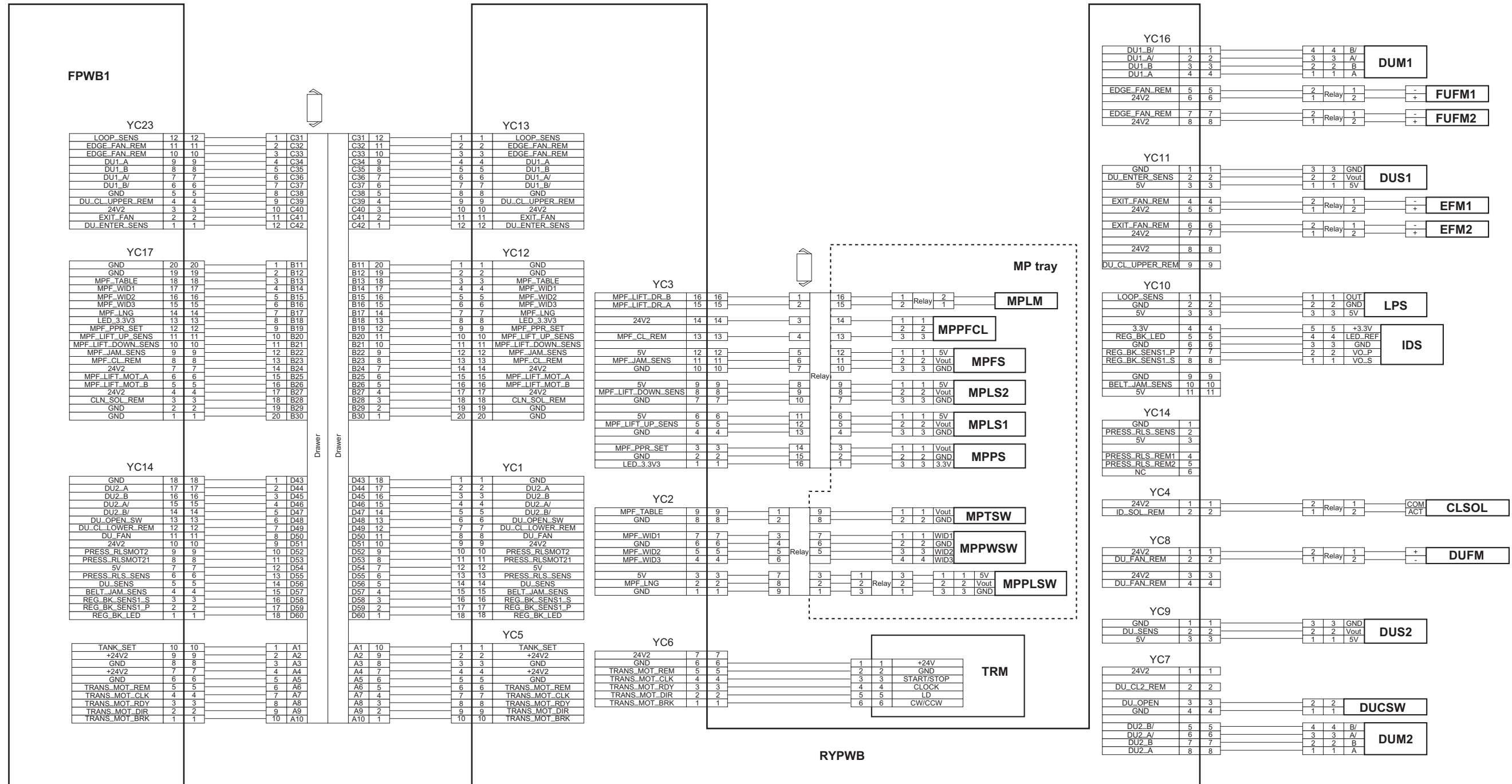


No.4

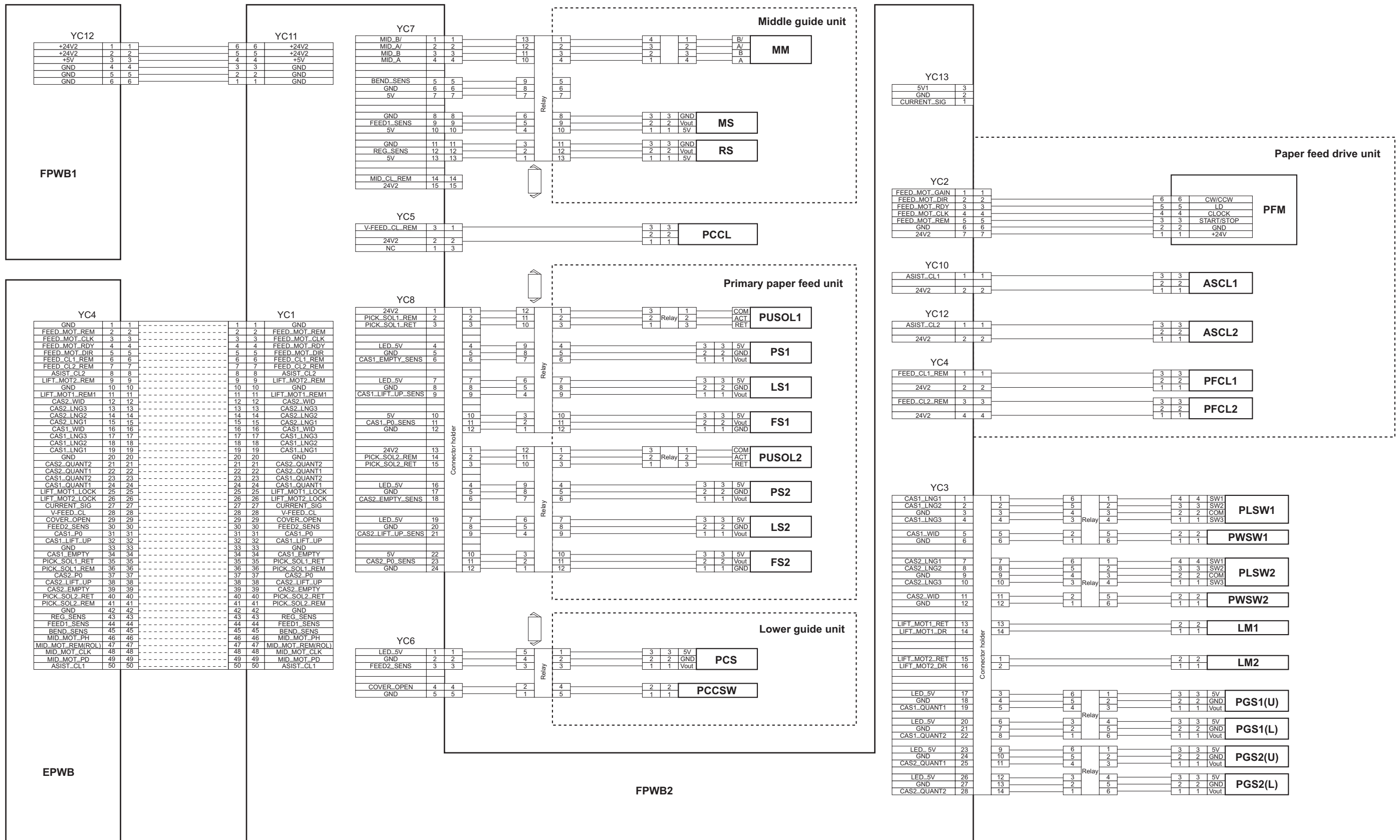


No.5

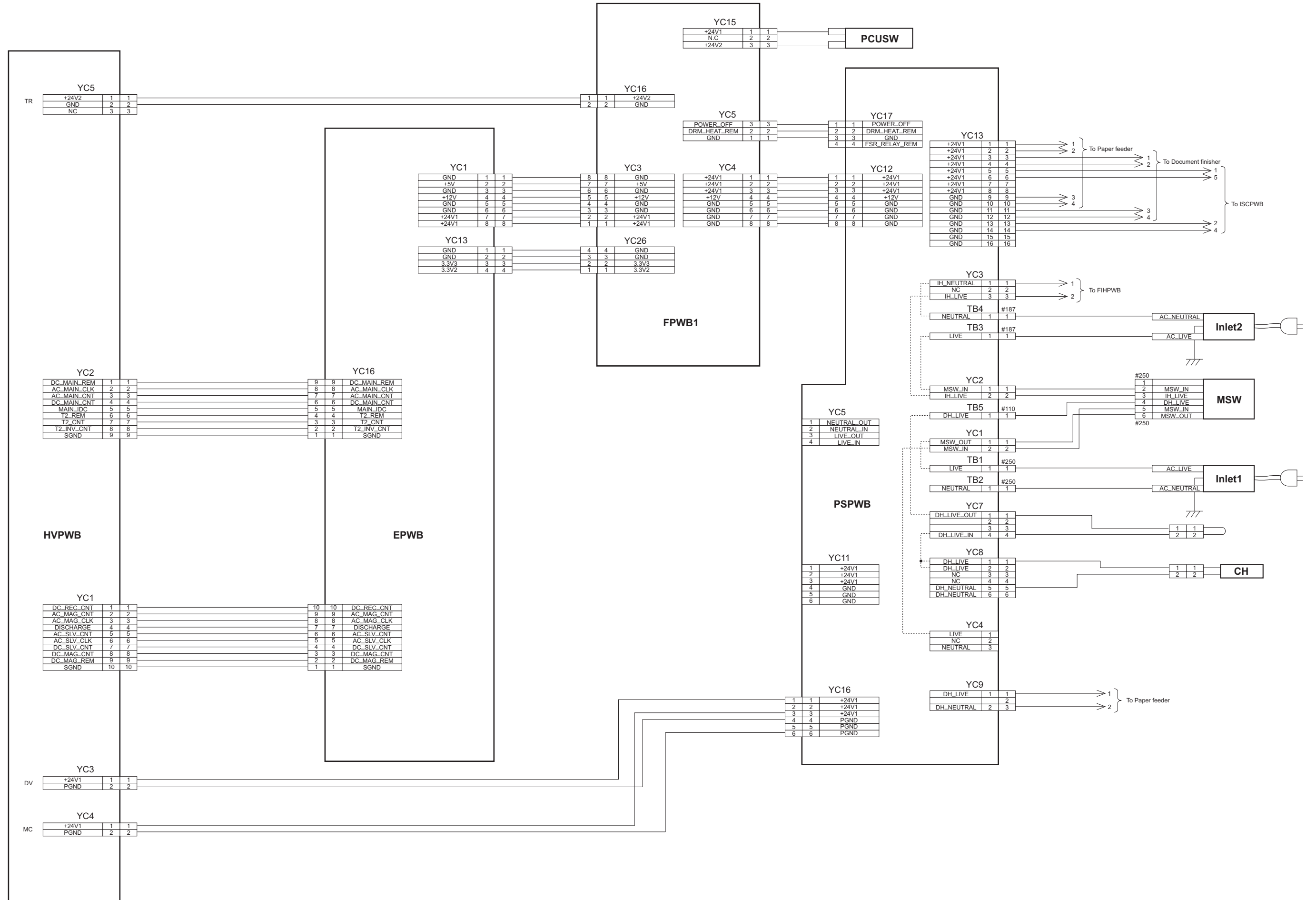




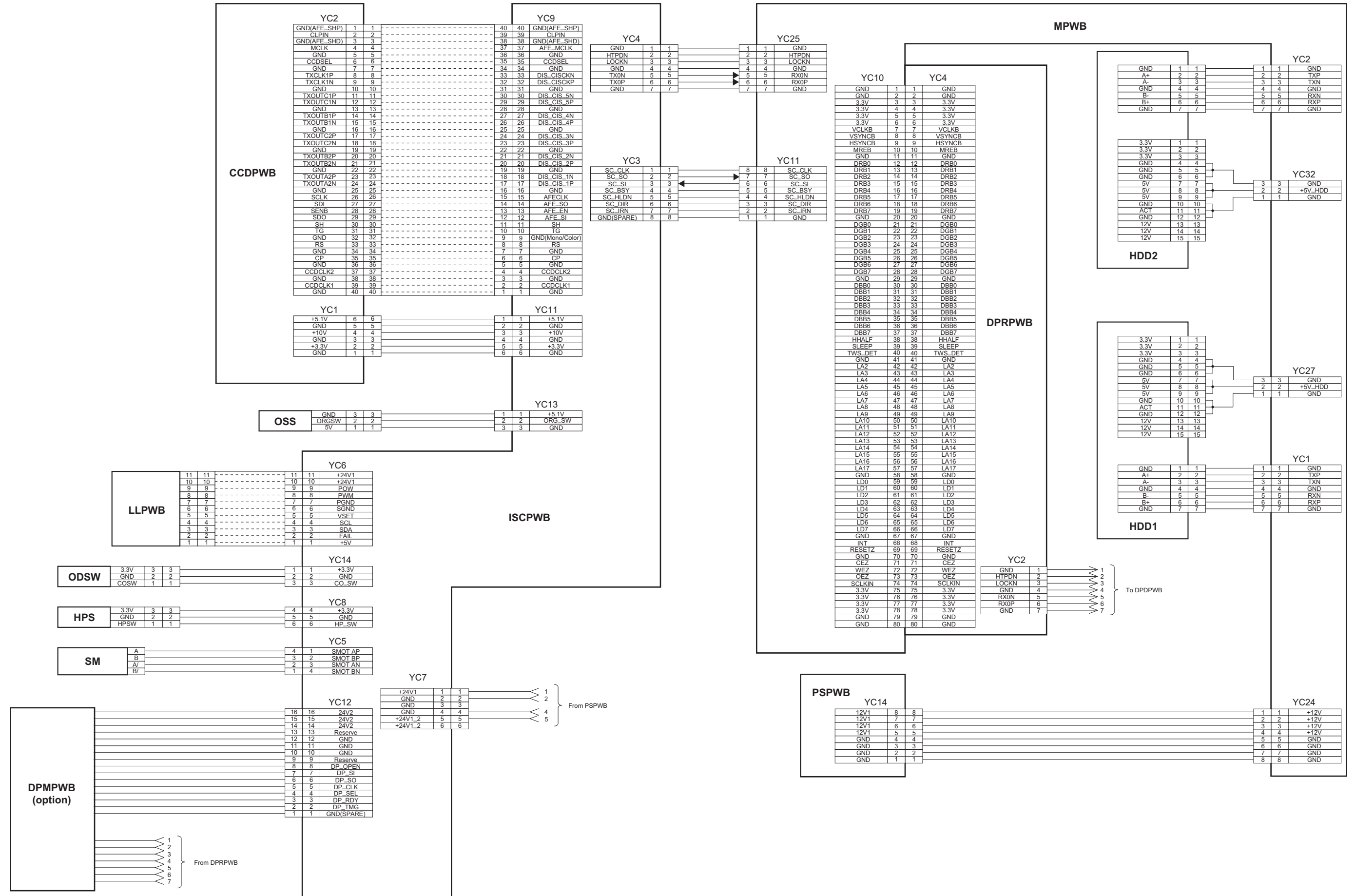
No.7



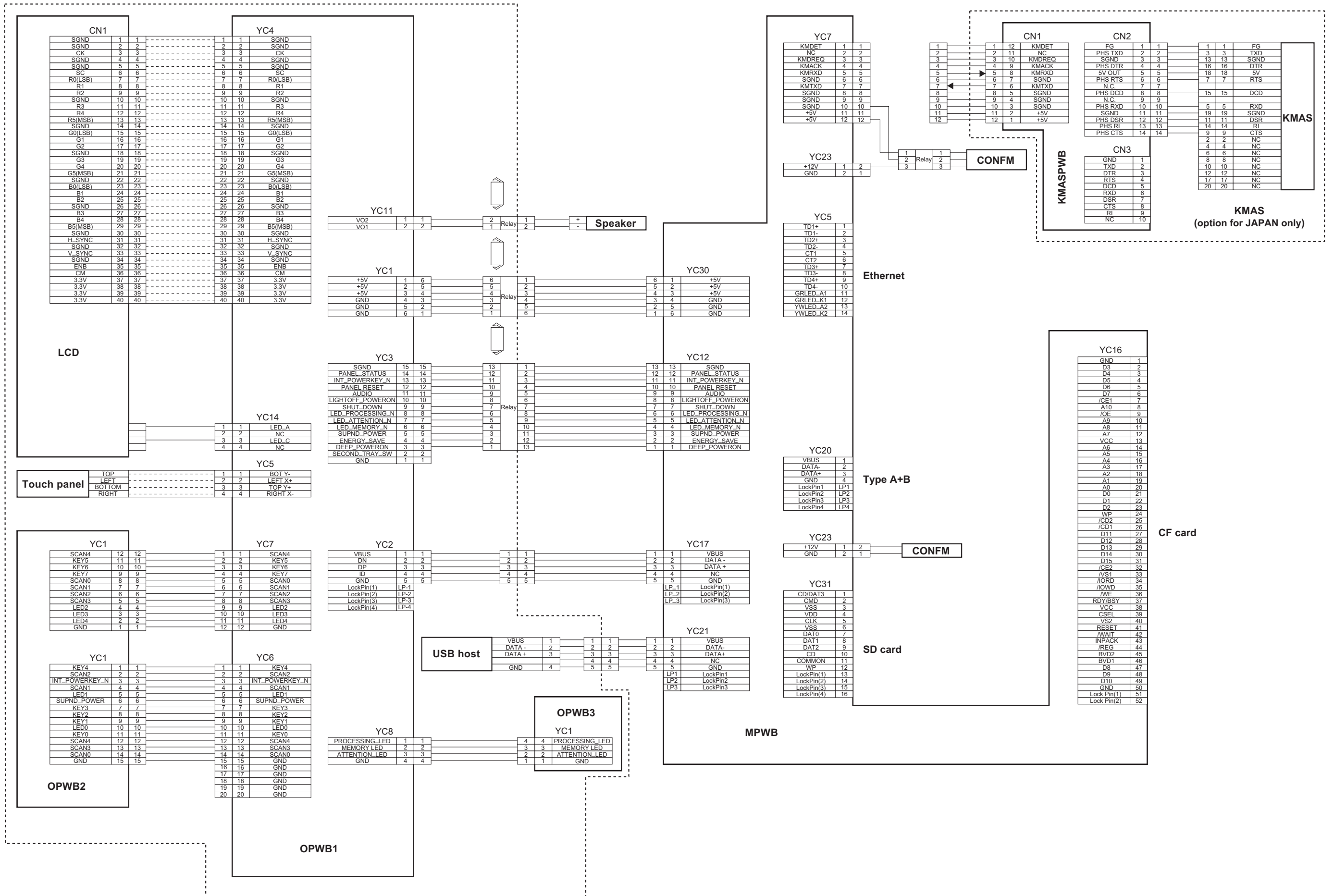
No.8



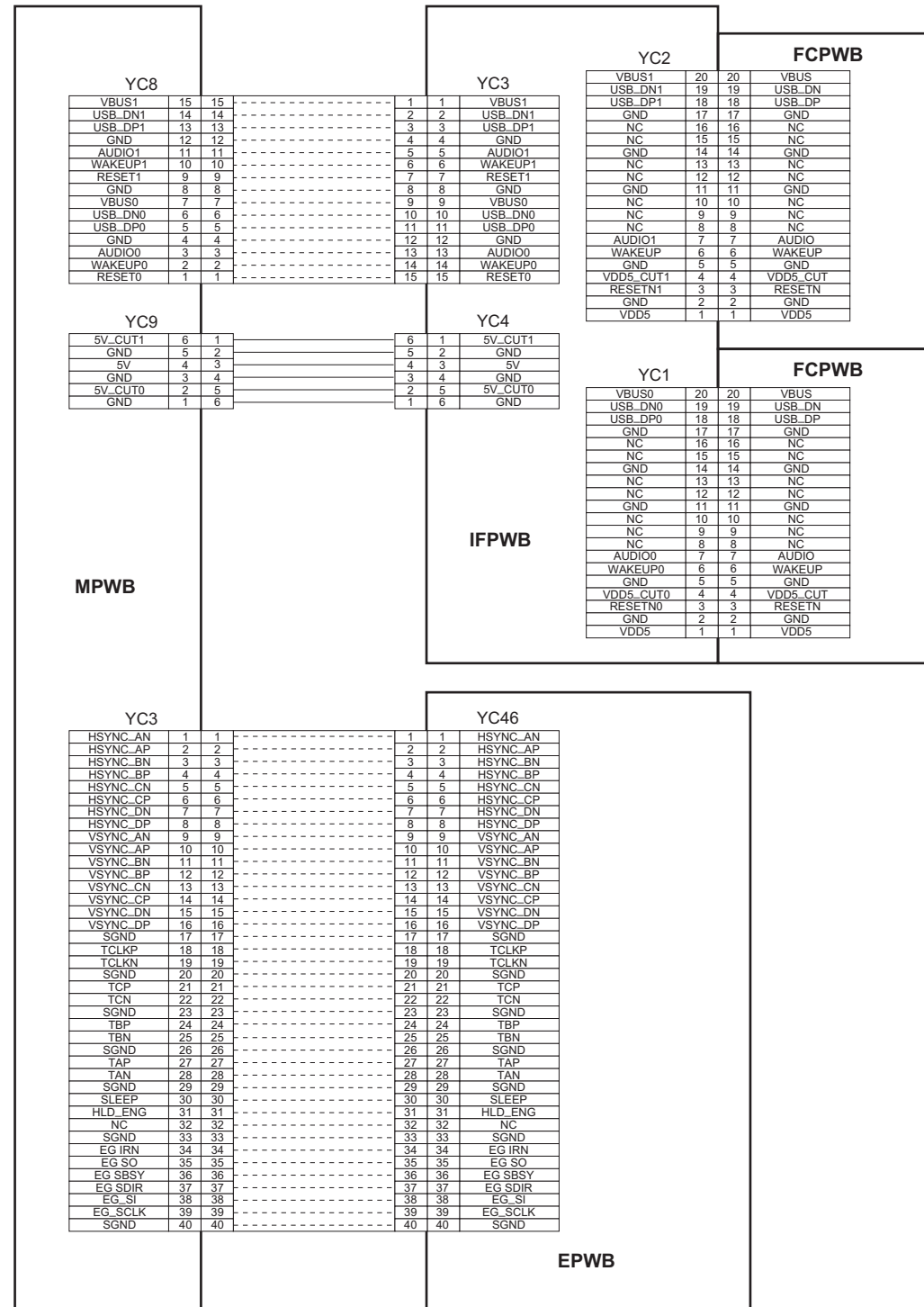
No.9

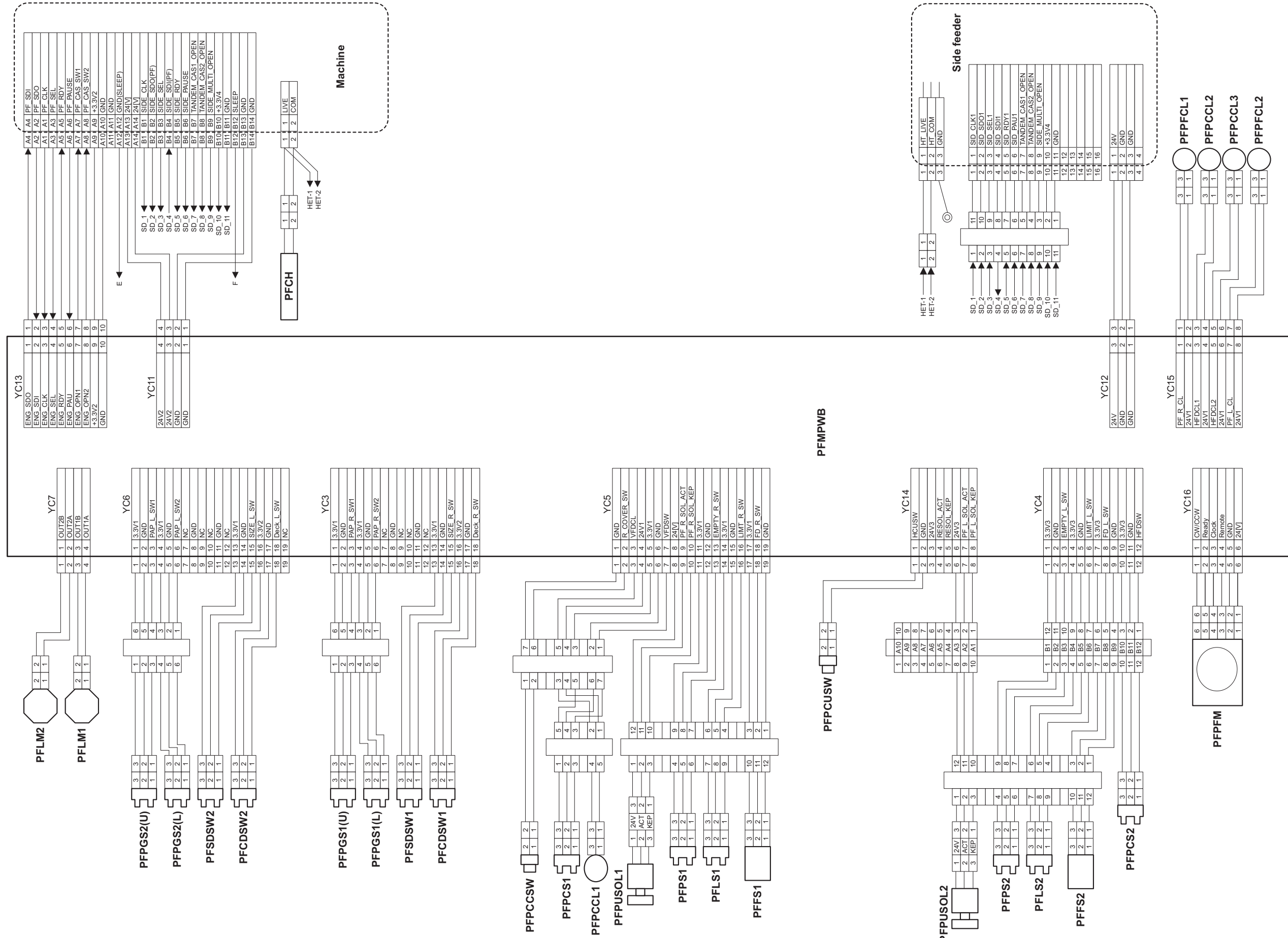


No.10



No.11





INSTALLATION GUIDE FOR SIDE DECK

English

References to medium-speed MFPs in this document denote 30/30, 35/35, 45/45 and 55/50 ppm color machines, and 35, 45 and 55 ppm monochrome machines.

References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines.

Français

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 30/30, 35/35, 45/45 et 55/50 ppm et aux machines monochromes 35, 45 et 55 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm.

Español

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 30/30, 35/35, 45/45 y 55/50 ppm y a las máquinas monocromáticas de 35, 45 y 55 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm.

Deutsch

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 30/30, 35/35, 45/45 und 55/50 ppm Vollfarbenkopierer sowie für die 35, 45 und 55 ppm Monochrommaschinen.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbenkopierer sowie für die 65 und 80 ppm Monochrommaschinen.

Italiano

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 30/30, 35/35, 45/45 e 55/50 ppm, e le macchine monocromatiche 35, 45 e 55 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm.

简体中文

本文中的中速 MFP 代表彩色 30/30 页机型、35/35 页机型、45/45 页机型、55/50 页机型、黑白 35 页机型、45 页机型、55 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。

한국어

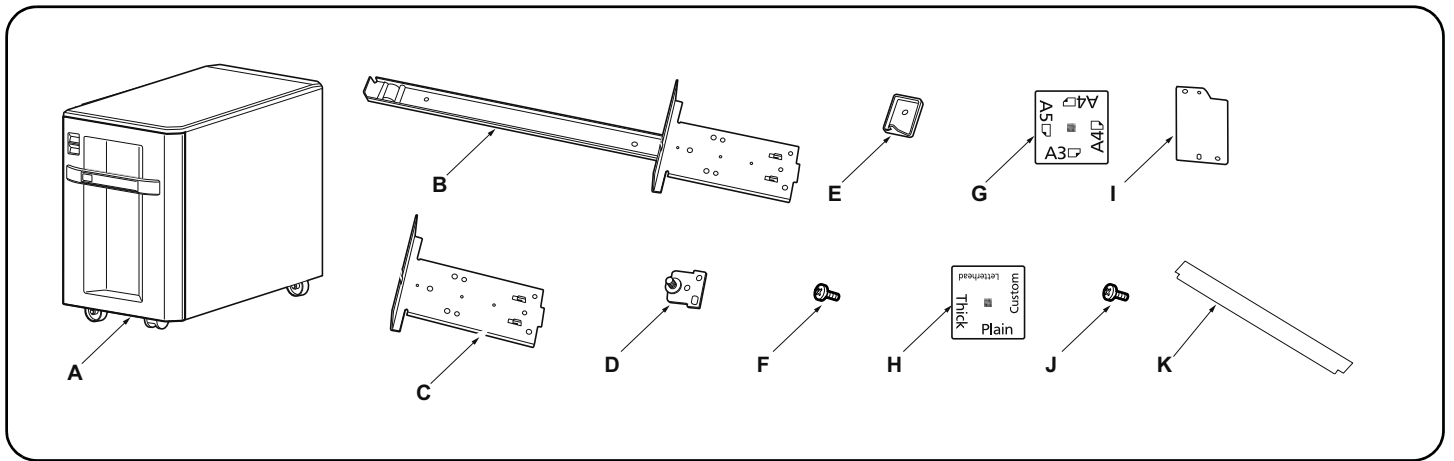
본문 중 중속 MFP 는 컬러 30/30 매기, 35/35 매기, 45/45 매기, 55/50 매기, 흑백 35 매기, 45 매기, 55 매기를 나타냅니다.

본문 중 고속 MFP 는 컬러 65/65 매기, 75/70 매기, 흑백 65 매기, 80 매기를 나타냅니다.

日本語

本文中の中速 MFP はカラー機の 30/30 枚機、35/35 枚機、45/45 枚機、55/50 枚機、モノクロ機の 35 枚機、45 枚機、55 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。



Supplied parts

A. Side feeder	1
B. Large base slider	1
C. Small base slider	1
D. Lock pin	2
E. Switch press plate	1
F. M4 × 8 screw	8

G. Paper size plate	2
H. Media type plate(except for 120V model) ..	6
H. Media type plate(120V model only)	3
I. Cover plate	1
J. M4 × 10 tapping screw.....	1
K. Film	1

Be sure to remove any tape and/or cushioning material from supplied parts.

Pièces fournies

A. Plateau d'alimentation latéral.....	1
B. Grande règle de base	1
C. Petite règle de base.....	1
D. Broche de verrouillage.....	2
E. Plaque de pression de l'interrupteur	1
F. Vis M4 × 8.....	8

G. Plaquette du format de papier	2
H. Plaquette du type de support.....	6
I. Capot	1
J. Vis de connexion M4 × 10	1
K. Film	1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Partes suministradas

A. Alimentador lateral.....	1
B. Deslizador de base grande.....	1
C. Deslizador de base pequeño	1
D. Clavija de bloqueo	2
E. Placa de presión del interruptor.....	1
F. Tornillo M4 × 8	8

G. Placa de tamaño de papel	2
H. Placa de tipo de medio	6
I. Tapa	1
J. Tornillo de roscado M4 × 10	1
K. Película	1

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

Gelieferte Teile

A. Seitlicher Einzug	1
B. Großer Basis-Schieber	1
C. Kleiner Basis-Schieber	1
D. Arretierstift	2
E. Schalterdruckplatte	1
F. M4 × 8 Schraube	8

G. Papierformatkarte	2
H. Medientypkarte	6
I. Abdeckplatte	1
J. M4 × 10 Schneidschraube	1
K. Film	1

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Parti di forniture

A. Unità di alimentazione laterale.....	1
B. Scivolo di base grande	1
C. Scivolo di base piccolo	1
D. Perno di bloccaggio	2
E. Piastra spingi interruttore.....	1
F. Vite M4 × 8	8

G. Piastra formato carta	2
H. Piastra tipo carta.....	6
I. Coperchio	1
J. Vite autofilettante M4 × 10	1
K. Pellicola	1

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

附属品

A. 侧供纸盒	1
B. 底座滑板(大)	1
C. 底座滑板(小)	1
D. 锁定插销	2
E. 开关挡板	1

F. M4×8 螺丝	8
G. 纸张尺寸标示	2
H. 纸张种类标示	1
I. 盖板	1
J. M4×10 自攻螺丝	1
K. 胶片	1

如果附属品上带有固定胶带,缓冲材料时必须揭下。

동봉품

A. 사이드피더	1
B. 베이스 슬라이더 대	1
C. 베이스 슬라이더 소	1
D. 잠금 핀	2
E. 스위치 판	1

F. 나사 M4×8	8
G. 용지크기 플레이트	2
H. 용지종류 플레이트	1
I. 커버 플레이트	1
J. 탭핑 나사 M4×10	1
K. 필름	1

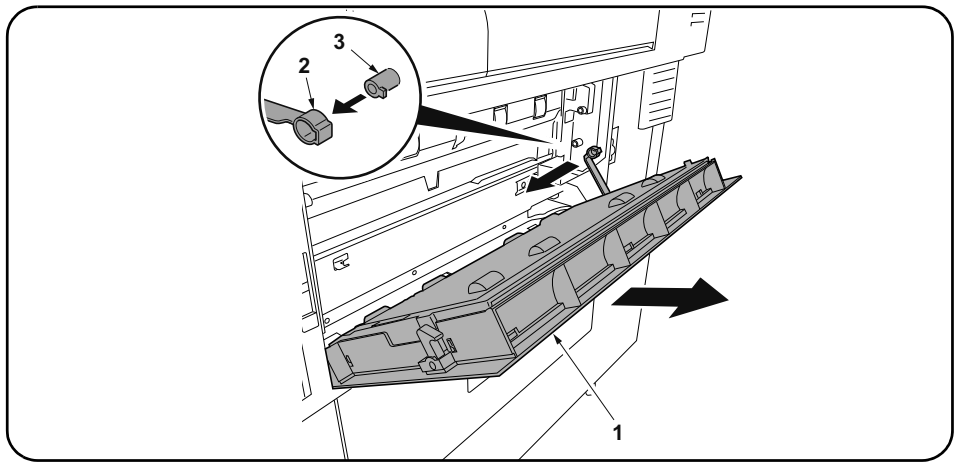
동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

同梱品

A. サイドフィーダー	1
B. ベーススライダ-大	1
C. ベーススライダ-小	1
D. ロックピン	2
E. スイッチ当たり板	1
F. ビス M4×8	8

G. 用紙サイズプレート	2
H. 用紙種類プレート	1
I. カバープレート	1
J. タッピングビス M4×10	1
K. フィルム	1

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。



Procedure

Be sure to turn the MFP main power switch off and disconnect the MFP power plug from the wall outlet before starting to install the side feeder.

Installation on medium-speed MFPs

If installing on a high-speed MFP, proceed to step 13.

1. Open the lower right cover (1) on the MFP.
Remove the strap (2) from the shaft (3) and remove lower right cover (1).

Procédure

Veiller à bien mettre l'interrupteur principal du MFP hors tension et à débrancher la fiche d'alimentation du MFP de la prise murale avant de commencer l'installation du plateau d'alimentation latéral.

Montage sur des MFP à vitesse moyenne

Si le montage est fait sur un MFP à grande vitesse, passer à l'étape 13.

1. Ouvrir le couvercle inférieur droit (1) du MFP.
Déposer la courroie (2) de l'arbre (3) et déposer le couvercle inférieur droit (1).

Procedimiento

Asegúrese de apagar el interruptor principal del MFP y de desconectar el enchufe del MFP del receptáculo de pared antes de empezar a instalar el alimentador lateral.

Instalación en las MFP de velocidad media

Si se instala en una MFP de alta velocidad, vaya al paso 13.

1. Abra la cubierta frontal inferior (1) del MFP.
Quite la correa (2) del eje (3) y quite la cubierta frontal inferior (1).

Verfahren

Schalten Sie unbedingt den Hauptschalter des MFP aus, und ziehen Sie den Netzstecker des MFP von der Netzsteckdose ab, bevor Sie mit der Installation des seitlichen Einzugs beginnen.

Installation an MFP der mittleren Leistungsklasse

Gehen Sie zur Installation an einem MFP der Hochleistungsklasse weiter zu Schritt 13.

1. Die untere rechte Abdeckung (1) am MFP öffnen.
Den Riemen (2) von der Welle (3) abnehmen und dann die untere rechte Abdeckung (1) abnehmen.

Procedura

Prima di iniziare la procedura di installazione dell'unità di alimentazione laterale, assicurarsi di spegnere l'interruttore principale di alimentazione dell'MFP, e di scollegare la spina del cavo di alimentazione dalla presa elettrica a muro.

Installazione sulle MFP a velocità media

Se si installa su una MFP a velocità alta, procedere al passo 13.

1. Aprire il coperchio destro inferiore (1) sull'MFP.
Rimuovere la cinghietta (2) dall'asta (3) e quindi rimuovere il coperchio destro inferiore (1).

安装步骤

安装侧供纸盒时，必须先关闭 MFP 主机上的主电源开关，并拔出电源插头后方可进行工作。

安装于中速 MFP 上时

安装于高速 MFP 上时，进至步骤 13。

1. 打开 MFP 主机的右下部盖板 (1)。
将带子 (2) 从轴 (3) 上拆除，拆下右下部盖板 (1)。

설치순서

사이드피더를 설치할 때에는 반드시 MFP 본체의 주전원 스위치를 OFF 로 하고 전원 플러그를 뽑아 후 작업을 할 것 .

중속 MFP 에 설치하는 경우

고속 MFP 에 설치하는 경우에는 순서 13 로 진행합니다 .

1. MFP 본체의 오른쪽 아래 커버 (1) 를 엽니다 .
스트랩 (2) 를 축 (3) 에서 떼어내 오른쪽 아래 커버 (1) 를 제거합니다 .

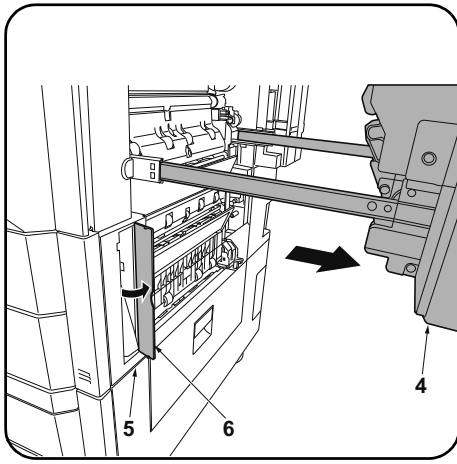
取付手順

サイドフィーダーを設置するときは、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業すること。

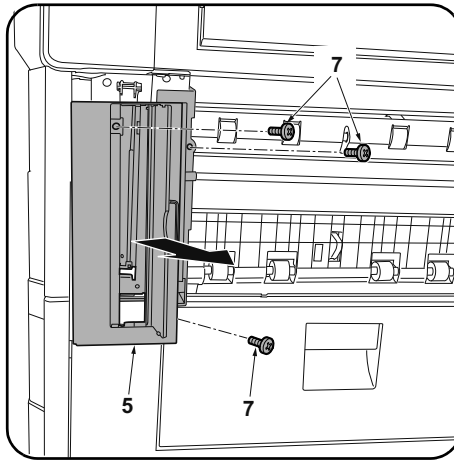
中速 MFP に設置の場合

高速 MFP に設置の場合は手順 13 に進む。

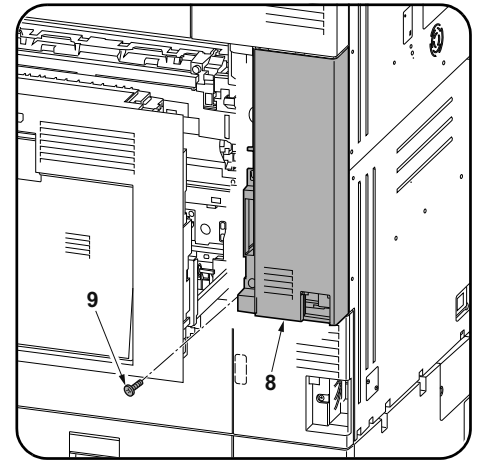
1. MFP 本体の右下カバー (1) を開く。
ストラップ (2) を軸 (3) から外し、右下カバー (1) を取り外す。



2. Open the MFP paper conveying cover (4).
3. Open the panel (6) on the MFP front right cover (5).



4. Remove 3 screws (7) and remove the front right cover (5).



5. Remove a screw (9) from the middle right rear cover (8).

2. Ouvrir le capot du transport du papier du MFP (4).
3. Ouvrir le panneau (6) sur le capot avant droit du MFP (5).

4. Déposer les 3 vis (7) et déposer le capot avant droit (5).

5. Déposer la vis (9) du capot arrière droit médian (8).

2. Abra la cubierta de transporte del papel del MFP (4).
3. Abra el panel (6) en la cubierta delantera derecha (5).

4. Quite los 3 tornillos (7) y quite la cubierta delantera derecha (5).

5. Quite el tornillo (9) de la cubierta trasera central (8).

2. Öffnen Sie die Papierförderabdeckung (4) des MFP.
3. Öffnen Sie die Platte (6) der vorderen rechten Abdeckung (5) des MFP.

4. Entfernen Sie 3 Schrauben (7) und nehmen Sie die vordere rechte Abdeckung (5) ab.

5. Entfernen Sie eine Schraube (9) von der mittleren rechten hinteren Abdeckung (8).

2. Aprire il coperchio (4) dell'unità di trasporto carta dell'MFP.
3. Aprire il pannello (6) sul coperchio destro anteriore (5) dell'MFP.

4. Rimuovere le 3 viti (7), e quindi rimuovere il coperchio destro posteriore (5).

5. Rimuovere la vite (9) dal coperchio posteriore centrale destro (8).

2. 打开 MFP 主机的供纸盖板 (4)。
3. 打开 MFP 主机的右前部盖板 (5) 的盖子 (6)。

4. 拆除 3 颗螺丝 (7)，拆下右前部盖板 (5)。

5. 拆除右中后部盖板 (8) 的 1 颗螺丝 (9)。

2. MFP 본체의 반송커버 (4) 를 엽니다 .
3. MFP 본체의 우측 전면커버 (5) 의 뚜껑 (6) 을 엽니다 .

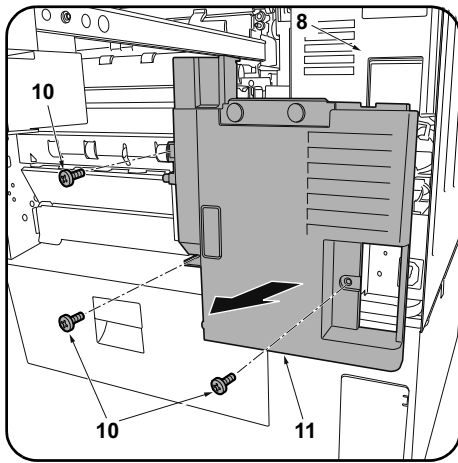
4. 나사 (7) 3 개를 제거하고 우측 전면커버 (5) 를 떼어 냅니다 .

5. 우측 중간 뒷커버 (8) 의 나사 (9) 1 개를 제거합니다 .

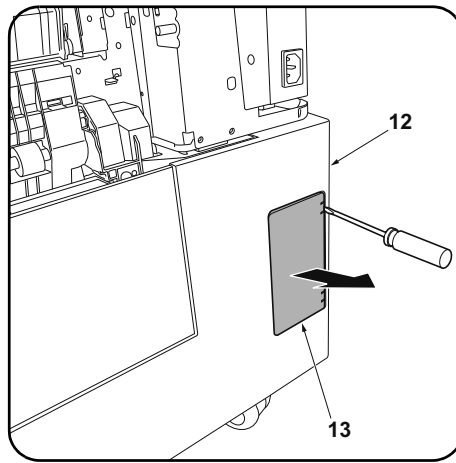
2. MFP 本体の搬送カバー (4) を開く。
3. MFP 本体の右前カバー (5) のふた (6) を開く。

4. ビス (7) 3 本を外し、右前カバー (5) を取り外す。

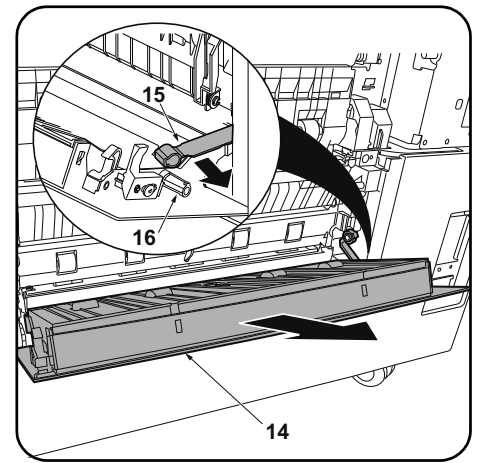
5. 右中後カバー (8) のビス (9) 1 本を外す。



6. Remove 3 screws (10), then lift the bottom of the middle right rear cover (8) and remove the lower right rear cover (11).



7. Remove the panel (13) from the lower right cover (12) on the paper feeder using a flat blade screwdriver.



8. Open the paper feeder right cover (14). Remove the strap (15) from the right cover shaft (16) and remove the right cover (14).

6. Déposer les 3 vis (10) puis lever le bas du capot arrière droit médian (8) pour déposer le capot arrière droit inférieur (11).

7. Déposer le panneau (13) du capot inférieur droit (12) du bureau papier en procédant à l'aide d'un tournevis à lame.

8. Ouvrir le couvercle droit du bureau papier (14). Déposer la courroie (15) de l'axe du capot droit (16) et déposer le capot droit (14).

6. Quite los 3 tornillos (10), luego levante la parte inferior de la cubierta trasera central derecha (8) y quite la cubierta trasera inferior derecha (11).

7. Quite el panel (13) de la cubierta derecha inferior (12) del alimentador de papel con un destornillador de pala plana.

8. Abra la cubierta derecha del alimentador de papel (14). Quite la correa (15) del eje de la cubierta derecha (16) y quite la cubierta derecha (14).

6. Entfernen Sie 3 Schrauben (10), heben Sie die mittlere rechte hintere Abdeckung (8) von unten her an und nehmen Sie die untere rechte hintere Abdeckung (11) ab.

7. Nehmen Sie mit einem flachen Schraubendreher die Platte (13) von der unteren rechten Abdeckung (12) des Papiereinzugs ab.

8. Die rechte Abdeckung (14) des Papiereinzugs öffnen. Nehmen Sie den Riemen (15) von der Welle (16) der rechten Abdeckung und dann die rechte Abdeckung (14) ab.

6. Rimuovere le 3 viti (10), quindi sollevare la parte in basso del coperchio posteriore centrale destro (8) e rimuovere il coperchio posteriore inferiore destro (11).

7. Rimuovere il pannello (13) dal coperchio destro inferiore (12) sull'unità di alimentazione carta utilizzando un cacciavite a testa piana.

8. Aprire il coperchio destro (14) dell'unità di alimentazione della carta. Rimuovere la cinghietta (15) dall'asta (16) del coperchio destro e quindi rimuovere il coperchio destro (14).

6. 拆除 3 顆螺絲 (10)，抬起右中後部蓋板 (8) 的下部，拆下右下後部蓋板 (11)。

7. 使用一字螺絲刀等將供紙盒的右下部蓋板 (12) 的蓋子 (13) 拆下。

8. 打開供紙盒的右部蓋板 (14)。從右蓋板的軸 (16) 上拆除掛繩 (15)，拆下右蓋板 (14)。

6. 나사 (10) 3 개를 제거하고 우측 하단 뒷커버 (8) 의 하측을 올리고 우측 중간 뒷커버 (11) 를 제거합니다 .

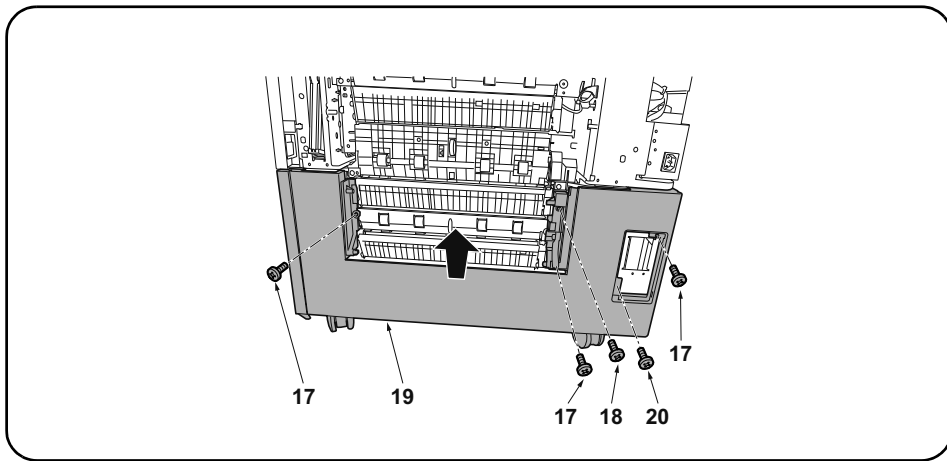
7. 용지 급지대의 우측 하단커버 (12) 의 뚜껑 (13) 을 마이너스 드라이버 등으로 떼어 냅니다 .

8. 급지대 우측커버 (14) 를 엽니다 . 스트랩 (15) 을 우측커버의 축 (16) 에서 떼어 내고 우측커버 (14) 를 제거합니다 .

6. 비스 (10) 3 본を外し、右中後カバー(8) の下側を持ち上げて、右下後カバー(11) を取り外す。

7. ペーパーフィーダーの右下カバー(12) のふた(13) をマイナスドライバーなどで取る。

8. ペーパーフィーダーの右カバー(14) を開く。ストラップ(15) を右カバーの軸(16) から外し、右カバー(14) を取り外す。

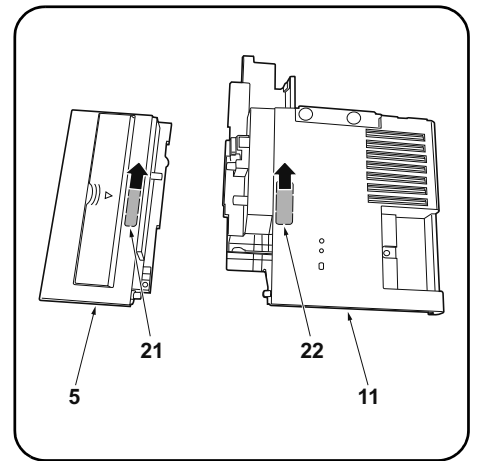


For PF-730

9. Remove 3 screws (17) and a screw (18) and remove the paper feeder lower right cover (19).

For PF-740

9. Remove 3 screws (17) and a screw (20) and remove the paper feeder lower right cover (19).



10. Remove the breakaway cover (21) from the front right cover (5) and the breakaway cover (22) from the lower right rear cover (11).

Pour PF-730

9. Déposer les 3 vis (17) et la vis (18) puis déposer le capot inférieur droit du bureau papier (19).

Pour PF-740

9. Déposer les 3 vis (17) et la vis (20) puis déposer le capot inférieur droit du bureau papier (19).

10. Déposer le couvercle amovible (21) du capot avant droit (5) et le couvercle amovible (22) du capot arrière inférieur droit (11).

Para PF-730

9. Quite los 3 tornillos (17) y el tornillo (18) y quite la cubierta derecha inferior del alimentador de papel (19).

Para PF-740

9. Quite los 3 tornillos (17) y el tornillo (20) y quite la cubierta derecha inferior del alimentador de papel (19).

10. Quite la cubierta divisoria (21) de la cubierta delantera derecha (5) y la cubierta divisoria (22) de la cubierta trasera inferior derecha (11).

Für PF-730

9. Entfernen Sie 3 Schrauben (17) und eine Schraube (18) und nehmen Sie die untere rechte Abdeckung (19) des Papiereinzugs ab.

Für PF-740

9. Entfernen Sie 3 Schrauben (17) und eine Schraube (20) und nehmen Sie die untere rechte Abdeckung (19) des Papiereinzugs ab.

10. Nehmen Sie die Ablösungsabdeckung (21) von der vorderen rechten Abdeckung (5) ab und die Ablösungsabdeckung (22) von der unteren rechten hinteren Abdeckung (11).

Per PF-730

9. Rimuovere le 3 viti (17) e una vite (18), e quindi rimuovere il coperchio destro inferiore (19) dell'unità di alimentazione carta.

Per PF-740

9. Rimuovere le 3 viti (17) e una vite (20), e quindi rimuovere il coperchio destro inferiore (19) dell'unità di alimentazione carta.

10. Rimuovere il coperchio di distacco (21) dal coperchio destro anteriore (5), e il coperchio di distacco (22) dal coperchio posteriore inferiore destro (11).

PF-730 时

9. 拆除 3 顆螺丝 (17) 和 1 顆螺丝 (18), 拆下供纸盒的右下部盖板 (19)。

PF-740 时

9. 拆除 3 顆螺丝 (17) 和 1 顆螺丝 (20), 拆下供纸盒的右下部盖板 (19)。

10. 切除右前部盖板 (5) 的切割盖板 (21) 和右下后部盖板 (11) 的切割盖板 (22)。

PF-730 의 경우

9. 나사 (17) 3 개와 나사 (18) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (19) 를 제거합니다 .

PF-740 의 경우

9. 나사 (17) 3 개와 나사 (20) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (19) 를 제거합니다 .

10. 우측 전면커버 (5) 의 분할커버 (21) 와 오른쪽 하단 뒷커버 (11) 의 분할커버 (22) 를 떼어 냅니다 .

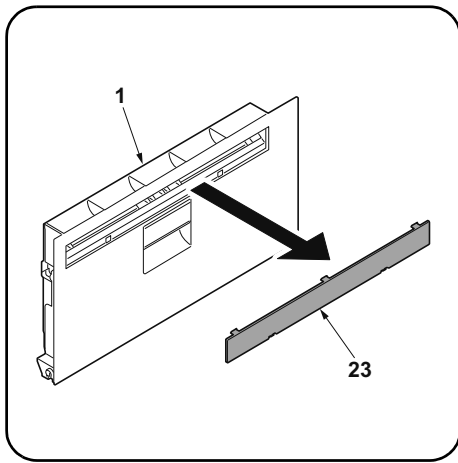
PF-730 の場合

9. ビス (17) 3 本とビス (18) 1 本を外して、ペーパーフィーダーの右下カバー (19) を取り外す。

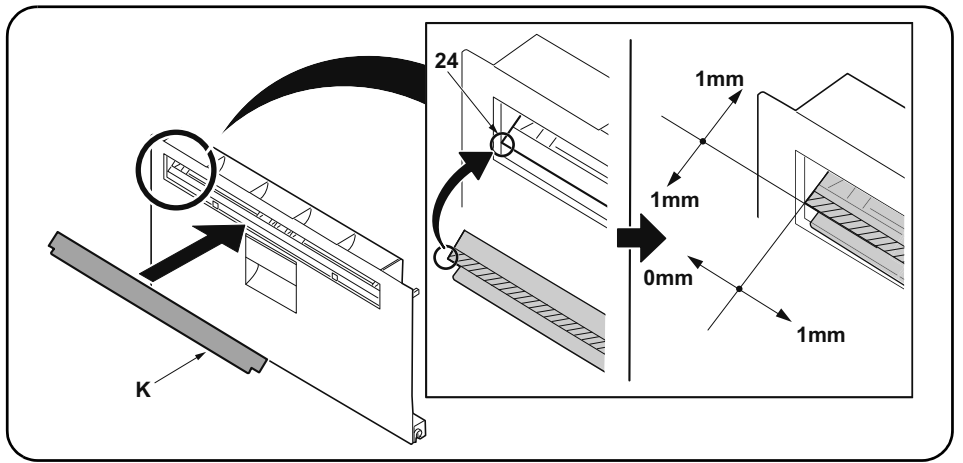
PF-740 の場合

9. ビス (17) 3 本とビス (20) 1 本を外して、ペーパーフィーダーの右下カバー (19) を取り外す。

10. 右前カバー (5) の割りカバー (21) と右下後カバー (11) の割りカバー (22) を切り取る。



11. Remove the panel (23) from the MFP lower right cover (1) with a flat blade screwdriver.



12. After using alcohol to clean place adhering the film, adhere the film (K) in the position (24) indicated in the illustration. Proceed to step 25

11. Déposer le panneau (23) du capot inférieur droit du MFP (1) en procédant à l'aide d'un tournevis à lame.

12. Coller le film (K) sur l'emplacement (24) indiqué dans l'illustration, après avoir soigneusement nettoyé cet emplacement à l'alcool. Passer à l'étape 25.

11. Extraiga el panel (23) de la cubierta derecha inferior del MFP (1) con un destornillador de pala plana.

12. Después de utilizar alcohol para limpiar la zona donde se va a pegar la película, pegue la película (K) en el lugar (24) que se indica en la ilustración. Vaya al paso 25.

11. Nehmen Sie mit einem flachen Schraubendreher die Platte (23) von der unteren rechten Abdeckung (1) des MFP ab.

12. Zum Anbringen des Films (K) die Stelle zuvor mit Alkohol reinigen und den Film (K) dann in der in der Abbildung angegebenen Position (24) anbringen. Gehen Sie weiter zu Schritt 25.

11. Rimuovere il pannello (23) dal coperchio destro inferiore (1) dell'MFP con un cacciavite a testa piana.

12. Dopo aver utilizzato alcol per pulire la piastra che aderisce alla pellicola, far aderire la pellicola (K) nella posizione (24) indicata nell'illustrazione. Procedere al passo 25.

11. 使用一字螺丝刀将 MFP 主机的右下部盖板 (1) 的盖子 (23) 拆下。

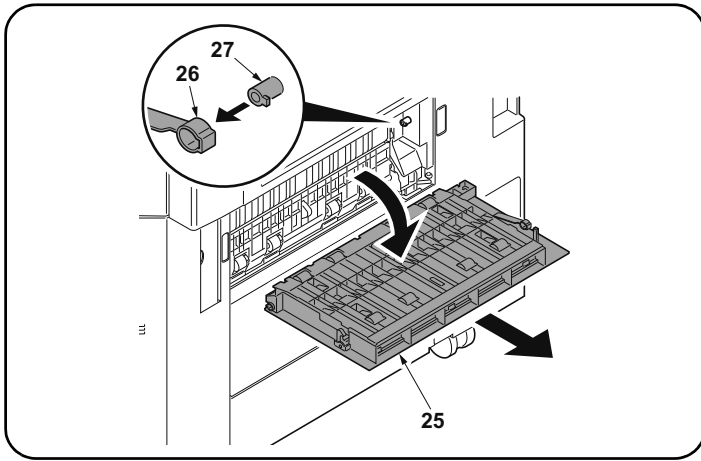
12. 使用酒精对薄膜粘贴位置进行清洁后, 按插图位置 (24) 粘贴薄膜 (K)。进至步骤 25。

11. MFP 본체의 우측 뒷커버 (1) 의 뚜껑 (23) 을 마이너스 드라이버로 제거합니다 .

12. 필름 부착위치를 알코올 청소 후, 일러스트의 위치 (24) 에 맞춰 필름 (K) 을 부착합니다 . 순서 25 로 진행합니다 .

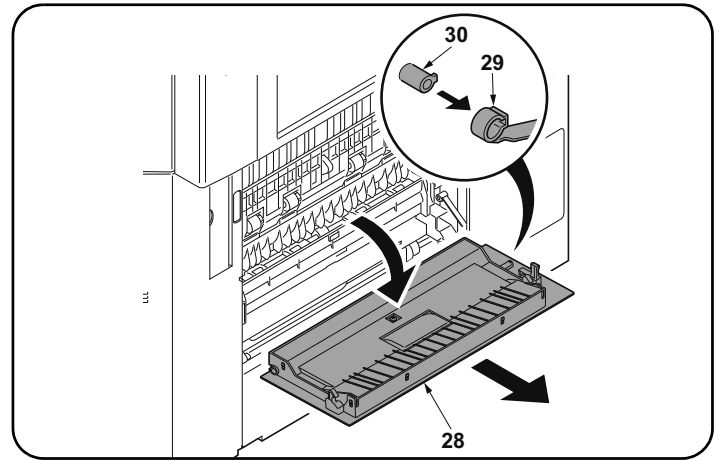
11. MFP 本体の右下カバー(1) のふた (23) をマイナスドライバーで取り外す。

12. フィルム貼り付け位置をアルコール清掃後、イラストの位置 (24) にあわせて、フィルム(K)を貼り付ける。手順 25 に進む。



Installation on high-speed MFPs

13. Open the right cover 1 (25) on the MFP.
Remove the strap (26) from the shaft (27) and remove right cover 1 (25).



14. Open the right cover 2 (28) on the MFP.
Remove the strap (29) from the right cover shaft (30) and remove the right cover 2 (28).

Montage sur des MFP à grande vitesse

13. Ouvrir le capot droit 1 (25) du MFP.
Déposer la courroie (26) de l'arbre (27) et déposer le capot droit 1 (25).

14. Ouvrir le capot droit 2 (28) du MFP.
Déposer la courroie (29) de l'axe du capot droit (30) et déposer le capot droit 2 (28).

Instalación en las MFP de alta velocidad

13. Abra la cubierta derecha 1 (25) del MFP.
Quite la correa (26) del eje (27) y quite la cubierta derecha 1 (25).

14. Abra la cubierta derecha 2 (28) del MFP.
Quite la correa (29) del eje de la cubierta derecha (30) y quite la cubierta derecha 2 (28).

Installation an MFP der Hochleistungsklasse

13. Die rechte Abdeckung 1 (25) am MFP öffnen.
Den Riemen (26) von der Welle (27) abnehmen und dann die rechte Abdeckung 1 (25) abnehmen.

14. Die rechte Abdeckung 2 (28) am MFP öffnen.
Nehmen Sie den Riemen (29) von der Welle (30) der rechten Abdeckung und dann die rechte Abdeckung 2 (28) ab.

Installazione sulle MFP a velocità alta

13. Aprire il coperchio destro 1 (25) sull'MFP.
Rimuovere la cinghietta (26) dall'asta (27) e quindi rimuovere il coperchio destro 1 (25).

14. Aprire il coperchio destro 2 (28) sull'MFP.
Rimuovere la cinghietta (29) dall'asta (30) del coperchio destro e quindi rimuovere il coperchio destro 2 (28).

安装于高速 MFP 上时

13. 打开 MFP 主机的右部盖板 1 (25)。
将带子 (26) 从轴 (27) 上拆除，拆下右部盖板 1 (25)。

14. 打开 MFP 主机的右部盖板 2 (28)。
从右盖板的轴 (30) 上拆除挂绳 (29)，拆下右盖板 2 (28)。

고속 MFP 에 설치하는 경우

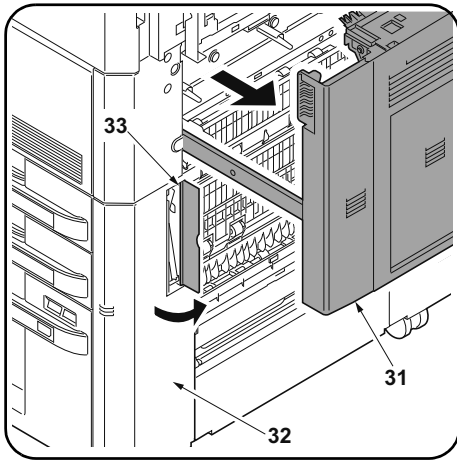
13. MFP 본체의 우측커버 1 (25) 를 엽니다 .
스트랩 (26) 를 축 (27) 에서 떼어내 우측커버 1 (25) 를 제거합니다 .

14. MFP 본체의 우측커버 2 (28) 를 엽니다 .
스트랩 (29) 을 우측커버의 축 (30) 에서 떼어내고 우측커버 2 (28) 를 제거합니다 .

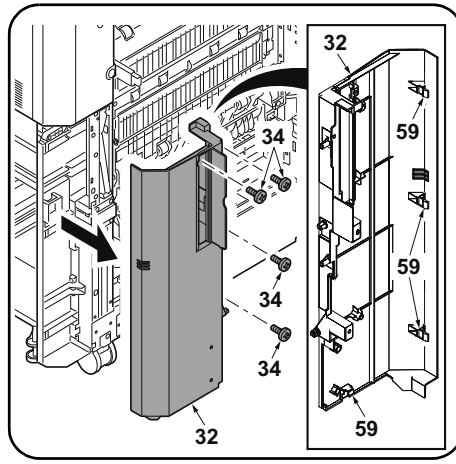
高速 MFP に設置の場合

13. MFP 本体の右カバー1 (25) を開く。
ストラップ (26) を軸 (27) から外し、右カバー1 (25) を取り外す。

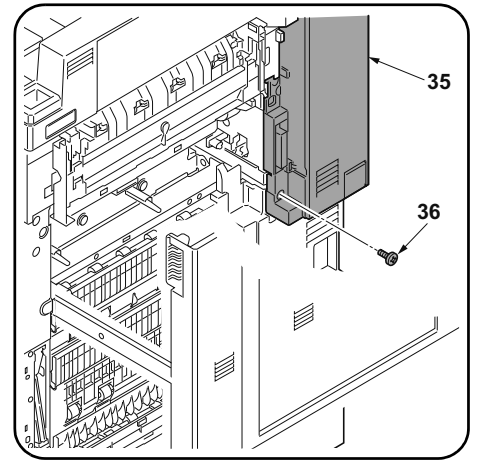
14. MFP 本体の右カバー2 (28) を開く。
ストラップ (29) を右カバーの軸 (30) から外し、右カバー2 (28) を取り外す。



15. Open the MFP paper conveying cover (31).
16. Open the panel (33) on the MFP front right cover (32).



17. Remove the 4 screws (34) and release the 4 hooks (59). Then remove the front right cover (32).



18. Remove a screw (36) from the middle right rear cover (35).

15. Ouvrir le capot du transport du papier du MFP (31).
16. Ouvrir le panneau (33) sur le capot avant droit du MFP (32).

17. Retirer les 4 vis (34) et libérer les 4 crochets (59). Retirer ensuite le capot avant droit (32).

18. Déposer la vis (36) du capot arrière droit médian (35).

15. Abra la cubierta de transporte del papel del MFP (31).
16. Abra el panel (33) en la cubierta delantera derecha (32).

17. Quite los 4 tornillos (34) y libere los 4 ganchos (59). Después, quite la cubierta frontal derecha (32).

18. Quite el tornillo (36) de la cubierta trasera central (35).

15. Öffnen Sie die Papierförderabdeckung (31) des MFP.
16. Öffnen Sie die Platte (33) der vorderen rechten Abdeckung (32) des MFP.

17. Entfernen Sie die 4 Schrauben (34) und lösen Sie die 4 Haken (59). Danach nehmen Sie die rechte vordere Abdeckung (32) ab.

18. Entfernen Sie eine Schraube (36) von der mittleren rechten hinteren Abdeckung (35).

15. Aprire il coperchio (31) dell'unità di trasporto carta dell'MFP.
16. Aprire il pannello (33) sul coperchio destro anteriore (32) dell'MFP.

17. Rimuovere le 4 viti (34) e rilasciare i 4 ganchi (59). Rimuovere quindi il coperchio anteriore destro (32).

18. Rimuovere la vite (36) dal coperchio posteriore centrale destro (35).

15. 打开 MFP 主机的供纸盖板 (31)。
16. 打开 MFP 主机的右前部盖板 (32) 的盖子 (33)。

17. 卸下 4 颗螺丝 (34) 并松开 4 个卡扣 (59)。然后卸下右前盖板 (32)。

18. 拆除右中后部盖板 (35) 的 1 颗螺丝 (36)。

15. MFP 본체의 반송커버 (31) 를 엽니다 .
16. MFP 본체의 우측 전면커버 (32) 의 뚜껑 (33) 을 엽니다 .

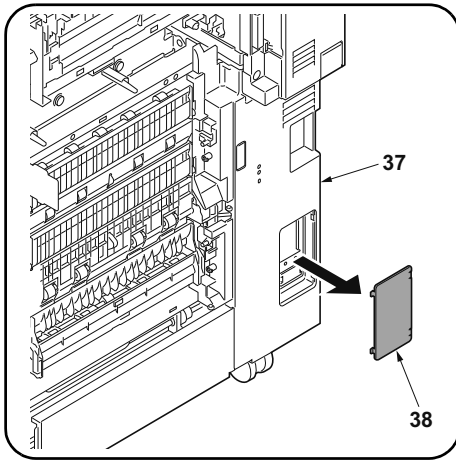
17. 나사 (34) 4 개를 제거하고 후크 (59) 4 개를 풀니다 . 그런 다음 우측 전면 커버 (32) 를 제거합니다 .

18. 우측 중간 뒷커버 (35) 의 나사 (36) 1 개를 제거합니다 .

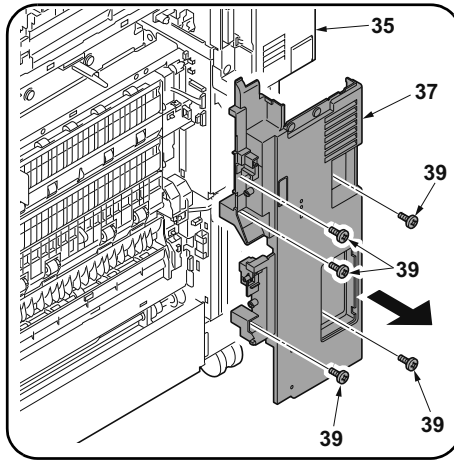
15. MFP 本体の搬送カバー (31) を開く。
16. MFP 本体の右前カバー (32) のふた (33) を開く。

17. ビス (34) 4 本およびフック (59) 4 箇所を外し、右前カバー (32) を取り外す。

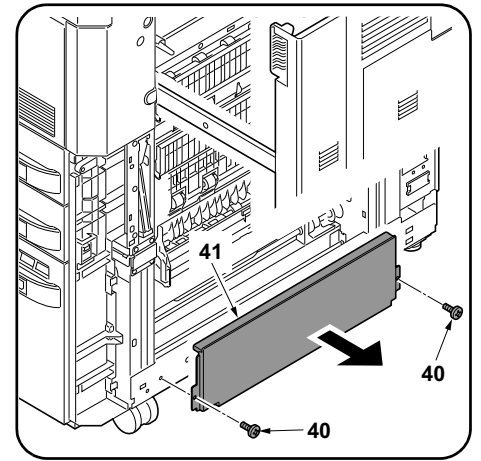
18. 右中後カバー (35) のビス (36) 1 本を外す。



19. Remove the panel (38) from the lower right rear cover (37) with a flat blade screwdriver.



20. Remove 5 screws (39), then lift the bottom of the middle right rear cover (35) and remove the lower right rear cover (37).



21. Remove 2 screws (40) and remove the lower right cover (41).

19. Déposer le panneau (38) du capot arrière inférieur droit (37) en procédant à l'aide d'un tournevis à lame.

20. Déposer les 5 vis (39) puis lever le bas du capot arrière droit médian (35) pour déposer le capot arrière droit inférieur (37).

21. Déposer les 2 vis (40) et déposer le capot inférieur droit (41).

19. Extraiga el panel (38) de la cubierta trasera inferior derecha (37) con un destornillador de pala plana.

20. Quite los 5 tornillos (39), luego levante la parte inferior de la cubierta trasera central derecha (35) y quite la cubierta trasera inferior derecha (37).

21. Quite los 2 tornillos (40) y quite la cubierta derecha inferior (41).

19. Nehmen Sie mit einem flachen Schraubendreher die Platte (38) von der unteren rechten hinteren Abdeckung (37) ab.

20. Entfernen Sie 5 Schrauben (39), heben Sie die mittlere rechte hintere Abdeckung (35) von unten her an und nehmen Sie die untere rechte hintere Abdeckung (37) ab.

21. Entfernen Sie 2 Schrauben (40) und nehmen Sie die untere rechte Abdeckung (41) ab.

19. Rimuovere il pannello (38) dal coperchio posteriore inferiore destro (37) con un cacciavite a testa piana.

20. Rimuovere le 5 viti (39), quindi sollevare la parte in basso del coperchio posteriore centrale destro (35) e rimuovere il coperchio posteriore inferiore destro (37).

21. Rimuovere le 2 viti (40), e quindi rimuovere il coperchio destro inferiore (41).

19. 用一字螺丝刀等取下右下盖板(37)的盖子(38)。

20. 拆除5颗螺丝(39),抬起右中后部盖板(35)的下部,拆下右下后部盖板(37)。

21. 拆除2颗螺丝(40),拆下右下部盖板(41)。

19. 우측 아래뒷면 커버(37)의 뚜껑(38)을 마이너스 드라이버 등으로 푼니다.

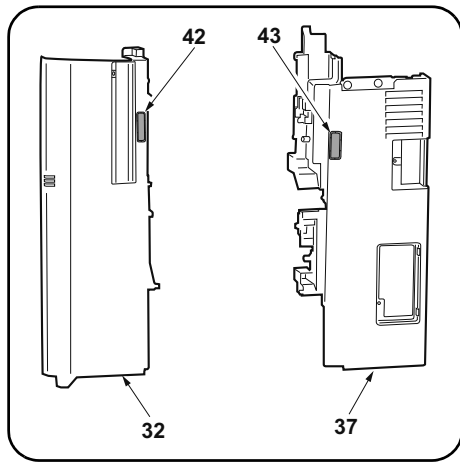
20. 나사(39) 5개를 제거하고 우측 하단 뒷커버(35)의 하측을 올리고 우측 중간 뒷커버(37)를 제거합니다.

21. 나사(40) 2개를 제거하고 우측 하단커버(41)를 떼어 냅니다.

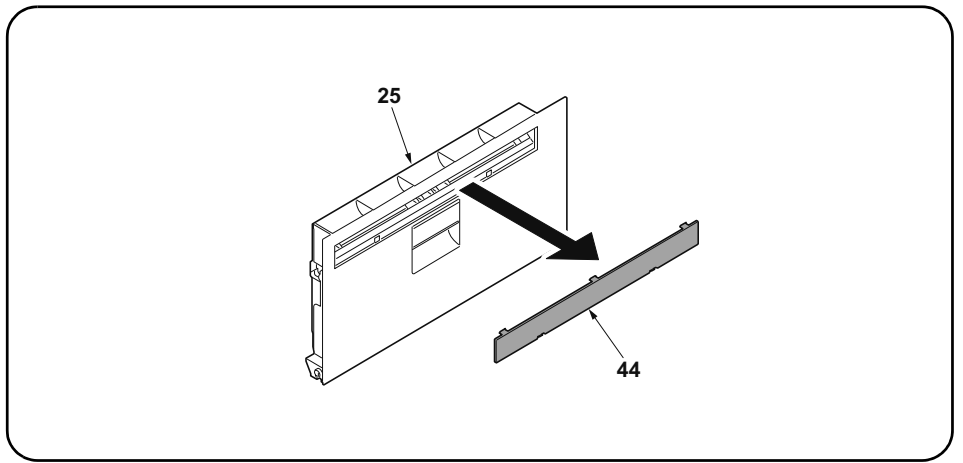
19. 右下後カバー(37)のふた(38)をマイナスドライバーなどで取る。

20. ビス(39)5本を外し、右中後カバー(35)の下側を持ち上げて、右下後カバー(37)を取り外す。

21. ビス(40)2本を外して、右下カバー(41)を取り外す。



22. Remove the breakaway cover (42) from the front right cover (32) and the breakaway cover (43) from the lower right rear cover (37).



23. Remove the panel (44) from the MFP right cover 1 (25) with a flat blade screwdriver.

22. Déposer le couvercle amovible (42) du capot avant droit (32) et le couvercle amovible (43) du capot arrière inférieur droit (37).

23. Déposer le panneau (44) du capot droit 1 du MFP (25) en procédant à l'aide d'un tournevis à lame.

22. Quite la cubierta divisoria (42) de la cubierta delantera derecha (32) y la cubierta divisoria (43) de la cubierta trasera inferior derecha (37).

23. Extraiga el panel (44) de la cubierta derecha 1 del MFP (25) con un destornillador de pala plana.

22. Nehmen Sie die Ablösungsabdeckung (42) von der vorderen rechten Abdeckung (32) ab und die Ablösungsabdeckung (43) von der unteren rechten hinteren Abdeckung (37).

23. Nehmen Sie mit einem flachen Schraubendreher die Platte (44) von der rechten Abdeckung 1 (25) des MFP ab.

22. Rimuovere il coperchio di distacco (42) dal coperchio destro anteriore (32), e il coperchio di distacco (43) dal coperchio posteriore inferiore destro (37).

23. Rimuovere il pannello (44) dal coperchio destro 1 (25) dell'MFP con un cacciavite a testa piana.

22. 切除右前部盖板 (32) 的切割盖板 (42) 和右下后部盖板 (37) 的切割盖板 (43)。

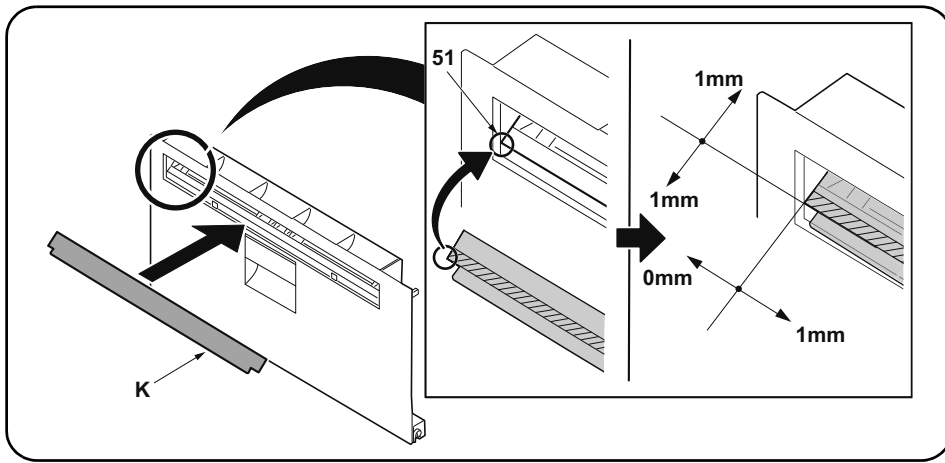
23. 使用一字螺丝刀将 MFP 主机的右部盖板 1 (25) 的盖子 (44) 拆下。

22. 우측 전면커버 (32) 의 분할커버 (42) 와 오른쪽 하단 뒷커버 (37) 의 분할커버 (43) 를 떼어 냅니다 .

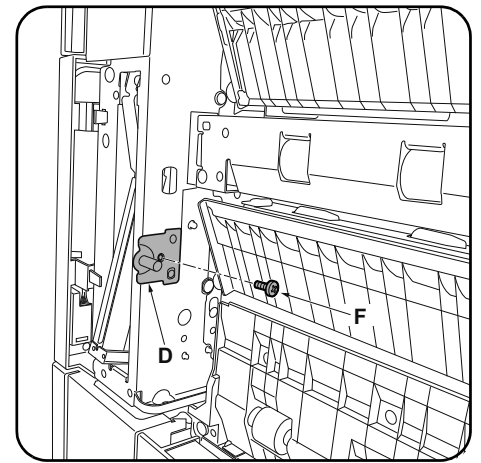
23. MFP 본체의 우측커버 1 (25) 의 뚜껑 (44) 을 마이너스 드라이버로 제거합니다 .

22. 右前カバー (32) の割りカバー (42) と右下後カバー (37) の割りカバー (43) を切り取る。

23. MFP 本体の右カバー1 (25) のふた (44) をマイナスドライバーで取り外す。



24. After using alcohol to clean place adhering the film, adhere the film (K) in the position (51) indicated in the illustration.



25. Install a lock pin (D) on the front right of the MFP using an M4 x 8 screw (F).

24. Coller le film (K) sur l'emplacement (51) indiqué dans l'illustration, après avoir soigneusement nettoyé cet emplacement à l'alcool.

25. Monter une broche de verrouillage (D) à droite et à l'avant du MFP en procédant à l'aide d'une vis M4 x 8 (F).

24. Después de utilizar alcohol para limpiar la zona donde se va a pegar la película, pegue la película (K) en el lugar (51) que se indica en la ilustración.

25. Instale una clavija de bloqueo (D) en la parte derecha frontal del MFP usando un tornillo M4 x 8 (F).

24. Zum Anbringen des Films (K) die Stelle zuvor mit Alkohol reinigen und den Film (K) dann in der in der Abbildung angegebenen Position (51) anbringen.

25. Bringen Sie mit einer M4 x 8 Schraube (F) den Arretierungsstift (D) vorne rechts am MFP an.

24. Dopo aver utilizzato alcol per pulire la piastra che aderisce alla pellicola, far aderire la pellicola (K) nella posizione (51) indicata nell'illustrazione.

25. Installare un perno di bloccaggio (D) sulla parte anteriore destra dell'MFP utilizzando una vite M4 x 8 (F).

24. 使用酒精对薄膜粘贴位置进行清洁后,按插图位置(51)粘贴薄膜(K)。

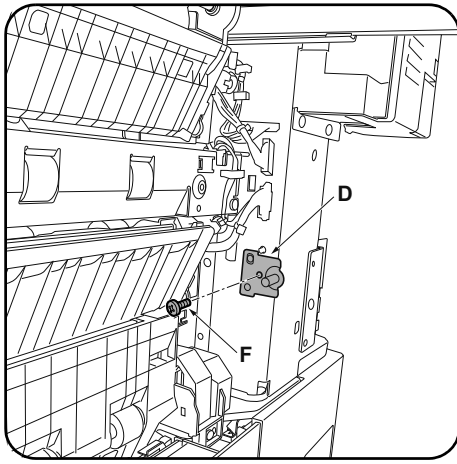
25. 使用1颗M4×8螺丝(F)将锁定插销(D)安装到MFP主机的前右侧。

24. 필름 부착위치를 알코올 청소 후, 일러스트의 위치(51)에 맞춰 필름(K)을 부착합니다.

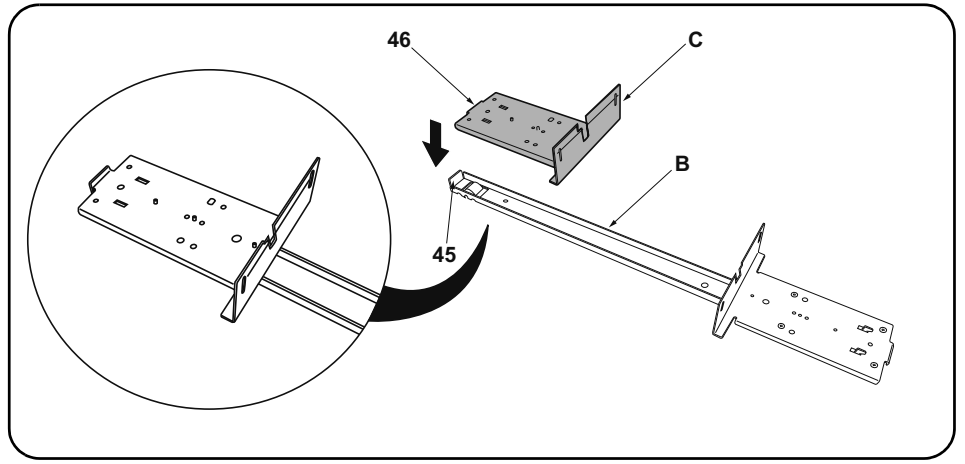
25. 나사 M4×8(F) 1개로 잠금 핀(D)을 MFP 본체 우측 전면쪽에 설치합니다.

24. フィルム貼り付け位置をアルコール清掃後、イラストの位置(51)にあわせて、フィルム(K)を貼り付ける。

25. ビス M4×8(F) 1本で、ロックピン(D)をMFP本体右前側に取り付ける。



26. Install a lock pin (D) on the rear right of the MFP using an M4 x 8 screw (F) in the same way.



27. Place the small base slider (C) on the large base slider (B). Place so that the bend (46) on the small base slider (C) abuts inside the rest (45) at the end of the large base slider (B).

26. Monter une broche de verrouillage (D) à droite et à l'arrière du MFP en procédant de la même manière à l'aide d'une vis M4 x 8 (F).

27. Placer la petite règle de base (C) sur la grande règle de base (B). Disposer la petite règle de base (C) de sorte que son extrémité repliée (46) s'encastre dans la butée (45) à l'extrémité de la grande règle de base (B).

26. Instale una clavija de bloqueo (D) en la parte derecha frontal del MFP usando un tornillo M4 x 8 (F).

27. Coloque el deslizador de base pequeño (C) sobre el deslizador de base grande (B). Haga que la dobladura (46) del deslizador de base pequeño (C) quede en el interior del apoyo (45) del extremo del deslizador de base grande (B).

26. Bringen Sie auf gleiche Weise mit einer M4 x 8 Schraube (F) den Arretierungsstift (D) hinten rechts am MFP an.

27. Setzen Sie den kleinen Basis-Schieber (C) auf den großen Basis-Schieber (B). Setzen Sie ihn so auf, dass die Biegung (46) am kleinen Basis-Schieber (C) innerhalb der Auflage (45) am Ende des großen Basis-Schiebers (B) anliegt.

26. Installare un perno di bloccaggio (D) sulla parte posteriore destra dell'MFP utilizzando una vite M4 x 8 (F) alla stessa maniera.

27. Posizionare lo scivolo di base piccolo (C) sullo scivolo di base grande (B). Posizionare in modo che la piegatura (46) sullo scivolo di base piccolo (C) si attesti all'interno del sostegno (45) all'estremità dello scivolo di base grande (B).

26. 按相同方法, 使用 1 顆 M4x8 螺絲 (F) 將鎖定插銷 (D) 安裝到 MFP 主機的右後側。

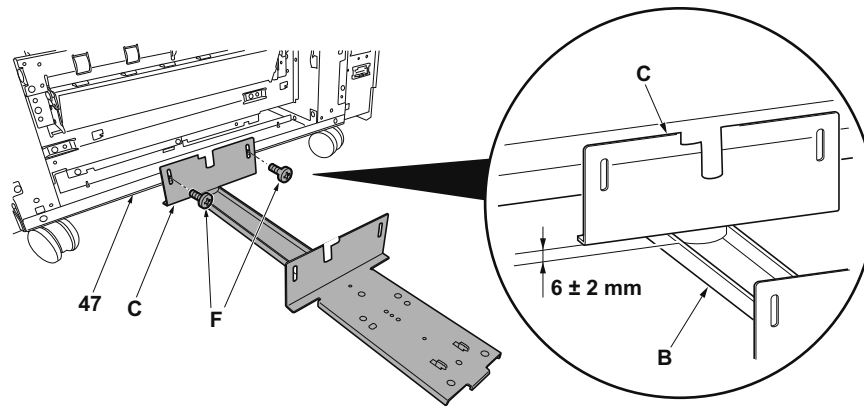
27. 將底座滑板 (小) (C) 放在底座滑板 (大) (B)。此時底座滑板 (小) (C) 的彎曲部 (46) 應處於底座滑板 (大) (B) 的前端折彎部 (45) 的內側。

26. 같은 방식으로 나사 M4x8(F) 1 개로 잠금 핀 (D) 을 MFP 본체 우측 뒤쪽에 설치합니다 .

27. 베이스 슬라이더 대 (B) 의 위에 베이스 슬라이더 소 (C) 를 얹습니다 . 그 때 , 베이스 슬라이더 소 (C) 의 곡선부 (46) 가 베이스 슬라이더 대 (B) 의 맨 앞쪽의 꺾이고 구부러진 부분 (45) 의 안쪽으로 오도록 세웁니다 .

26. 同様にビス M4x8(F) 1 本で、ロックピン (D) を MFP 本体右後側に取り付ける。

27. ベーススライダ-大 (B) の上にベーススライダ-小 (C) を乗せる。その際、ベーススライダ-小 (C) の曲げ (46) がベーススライダ-大 (B) の先端折り曲げ部 (45) の内側にくるようにセットする。



28. Insert the small base slider (C) under the paper feeder. Install to the base (47) using 2 M4 × 8 screws (F) so that the gap between the small base slider (C) and the large base slider (B) is 6 ± 2 mm.

* For PF-730, install to the screw holes marked "R".

28. Insérer la petite règle de base (C) sous le bureau papier. Fixer à la base (47) à l'aide de 2 vis M4 × 8 (F) de sorte que le battement entre la petite règle de base (C) et la grande règle de base (B) soit de 6 ± 2 mm.

* Pour le PF-730, fixer aux trous de vis marqués "R".

28. Inserte el deslizador de base pequeño (C) debajo del alimentador de papel. Instálelo en la base (47) usando 2 tornillos M4 × 8 (F) de manera tal que el huelgo entre el deslizador de base pequeño (C) y el deslizador de base grande (B) sea de 6 ± 2 mm.

* En el caso de PF-730, instale en los orificios para tornillo "R".

28. Stecken Sie den kleinen Basis-Schieber (C) unter den Papiereinzug. Befestigen Sie ihn mit 2 M4 × 8 Schrauben (F) so an der Basis (47), dass der Abstand zwischen dem kleinen Basis-Schieber (C) und dem großen Basis-Schieber (B) 6 ± 2 mm beträgt.

* Bei Modell PF-730 an den mit "R" markierten Schraublöchern befestigen.

28. Inserire lo scivolo di base piccolo (C) sotto l'unità di alimentazione carta. Installare alla base (47) utilizzando 2 viti M4 × 8 (F) in modo che lo spazio tra lo scivolo di base piccolo (C) e lo scivolo di base grande (B) sia di 6 ± 2 mm.

* Per PF-730, installare ai fori per viti segnalati con "R".

28. 将底座滑板(小)(C)装入供纸盒的下方。使用2颗M4×8(F)螺丝将底座滑板(小)(C)安装到底板(47)上,确保底座滑板(小)(C)与底座滑板(大)(B)之间的间隙为 6 ± 2 mm。

※PF-730时,安装到带有R刻印的螺纹孔上。

28. 베이스 슬라이더 소 (C) 를 용지 급지대 밑에 넣습니다 . 베이스 슬라이더 소 (C) 와 베이스 슬라이더 대 (B) 의 틈이 6 ± 2 mm 가 되도록 나사 M4×8(F) 2 개로 바닥판 (47) 에 장착합니다 .

※PF-730 은 R 의 각인이 있는 나사구멍에 장착합니다 .

28. ベーススライダ小 (C) をペーパーフィーダーの下に入れる。ベーススライダ小 (C) とベーススライダ大 (B) の隙間が、 6 ± 2 mm になるようにビス M4×8(F) 2 本で底板 (47) に取り付ける。

※PF-730 は R の刻印のあるビス穴に取り付ける。

Installation on medium-speed MFPs

If installing on a high-speed MFP, proceed to step 35.

29. Reinstall the paper feeder lower right cover (19).

30. Reinstall the paper feeder right cover (14).

31. Reinstall the lower right rear cover (11).

32. Mount a screw (9) in the middle right rear cover (8).

33. Reinstall the front right cover (5).

34. Reinstall the lower right cover (1).

Proceed to step 41.

Montage sur des MFP à vitesse moyenne

Si le montage est fait sur un MFP à grande vitesse, passer à l'étape 35.

29. Reposer le capot inférieur droit du bureau papier (19).

30. Reposer le capot droit du bureau papier (14).

31. Reposer le capot arrière inférieur droit (11).

32. Fixer la vis (9) sur le capot arrière médian droit (8).

33. Reposer le capot avant droit (5).

34. Reposer le capot inférieur droit (1).

Passer à l'étape 41.

Instalación en las MFP de velocidad media

Si se instala en una MFP de alta velocidad, vaya al paso 35.

29. Reinstale la cubierta derecha inferior del alimentador de papel (19).

30. Reinstale la cubierta derecha del alimentador de papel (14).

31. Reinstale la cubierta trasera inferior derecha (11).

32. Instale el tornillo (9) en la cubierta trasera central derecha (8).

33. Reinstale la cubierta delantera derecha (5).

34. Reinstale la cubierta derecha inferior (1).

Vaya al paso 41.

Installation an MFP der mittleren Leistungsklasse

Gehen Sie zur Installation an einem MFP der Hochleistungsklasse weiter zu Schritt 35.

29. Bringen Sie die untere rechte Abdeckung (19) des Papiereinzugs wieder an.

30. Bringen Sie die rechte Abdeckung (14) des Papiereinzugs wieder an.

31. Bringen Sie die untere rechte hintere Abdeckung (11) wieder an.

32. Befestigen Sie eine Schraube (9) an der mittleren rechten hinteren Abdeckung (8).

33. Bringen Sie die vordere rechte Abdeckung (5) wieder an.

34. Bringen Sie die untere rechte Abdeckung (1) wieder an.

Gehen Sie weiter zu Schritt 41.

Installazione sulle MFP a velocità media

Se si installa su una MFP a velocità alta, procedere al passo 35.

29. Reinstallare il coperchio destro inferiore dell'unità di alimentazione carta (19).

30. Reinstallare il coperchio destro (14) dell'unità di alimentazione carta.

31. Reinstallare il coperchio posteriore inferiore destro (11).

32. Montare la vite (9) nel coperchio posteriore centrale destro (8).

33. Reinstallare il coperchio destro anteriore (5).

34. Reinstallare il coperchio destro inferiore (1).

Procedere al passo 41.

安装于中速 MFP 上时

安装于高速 MFP 上时, 进至步骤 35。

29. 按原样安装供纸盒的右下部盖板 (19)。

30. 按原样安装供纸盒的右盖板 (14)。

31. 按原样安装右下后部盖板 (11)。

32. 安装右中后部盖板 (8) 的 1 颗螺丝 (9)。

33. 按原样安装右前部盖板 (5)。

34. 按原样安装右下后部盖板 (1)。

进至步骤 41。

중속 MFP 에 설치하는 경우

고속 MFP 에 설치하는 경우에는 순서 35 로 진행합니다 .

29. 용지 급지대의 우측 하단커버 (19) 를 원래대로 장착합니다 .

30. 용지 급지대의 우측커버 (14) 를 원래대로 장착합니다 .

31. 우측하단 뒷커버 (11) 를 원래대로 장착합니다 .

32. 우측 중간 뒷커버 (8) 의 나사 (9) 1 개를 장착합니다 .

33. 우측 전면커버 (5) 를 원래대로 장착합니다 .

34. 우측 하단커버 (1) 를 원래대로 장착합니다 .

순서 41 로 진행합니다 .

中速 MFP に設置の場合

高速 MFP に設置の場合は手順 35 に進む。

29. ペーパーフィーダーの右下カバー (19) を元通り取り付ける。

30. ペーパーフィーダーの右カバー (14) を元通り取り付ける。

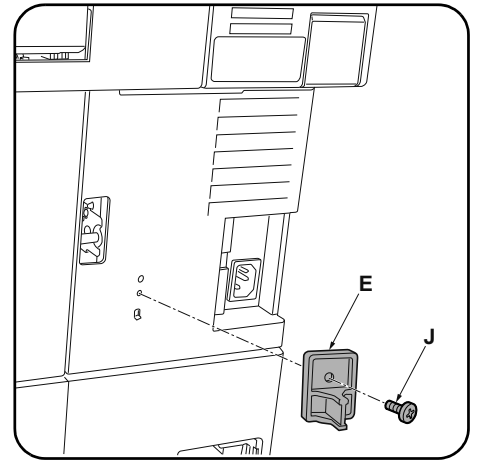
31. 右下後カバー (11) を元通り取り付ける。

32. 右中後カバー (8) のビス (9) 1 本を取り付ける。

33. 右前カバー (5) を元通り取り付ける。

34. 右下カバー (1) を元通り取り付ける。

手順 41 に進む。



Installation on high-speed MFPs

- 35. Reinstall the lower right cover (41).
- 36. Reinstall the lower right rear cover (37).
- 37. Mount a screw (36) in the middle right rear cover (35).

- 38. Reinstall the front right cover (32).
- 39. Reinstall the right cover 2 (28).
- 40. Reinstall the right cover 1 (25).

- 41. Install the switch press plate (E) using the M4 × 10 tapping screw (J).

Montage sur des MFP à grande vitesse

- 35. Reposer le capot inférieur droit (41).
- 36. Reposer le capot arrière inférieur droit (37).
- 37. Fixer la vis (36) sur le capot arrière médian droit (35).

- 38. Reposer le capot avant droit (32).
- 39. Reposer le capot droit 2 (28).
- 40. Reposer le capot droit 1 (25).

- 41. Fixer la plaque de pression du contacteur (E) à l'aide d'une vis de connexion M4 × 10 (J).

Instalación en las MFP de alta velocidad

- 35. Reinstale la cubierta derecha inferior (41).
- 36. Reinstale la cubierta trasera inferior derecha (37).
- 37. Instale el tornillo (36) en la cubierta trasera central derecha (35).

- 38. Reinstale la cubierta delantera derecha (32).
- 39. Reinstale la cubierta derecha 2 (28).
- 40. Reinstale la cubierta derecha 1 (25).

- 41. Instale la placa de presión del interruptor (E) usando el tornillo de roscado M4 × 10 (J).

Installation an MFP der Hochleistungsklasse

- 35. Bringen Sie die untere rechte Abdeckung (41) wieder an.
- 36. Bringen Sie die untere rechte hintere Abdeckung (37) wieder an.
- 37. Befestigen Sie eine Schraube (36) an der mittleren rechten hinteren Abdeckung (35).

- 38. Bringen Sie die vordere rechte Abdeckung (32) wieder an.
- 39. Bringen Sie die rechte Abdeckung 2 (28) wieder an.
- 40. Bringen Sie die rechte Abdeckung 1 (25) wieder an.

- 41. Befestigen Sie mit der M4 × 10 Schraubenschraube (J) die Schalterdruckplatte (E).

Installazione sulle MFP a velocità alta

- 35. Reinstallare il coperchio destro inferiore (41).
- 36. Reinstallare il coperchio posteriore inferiore destro (37).
- 37. Montare la vite (36) nel coperchio posteriore centrale destro (35).

- 38. Reinstallare il coperchio destro anteriore (32).
- 39. Reinstallare il coperchio destro 2 (28).
- 40. Reinstallare il coperchio destro 1 (25).

- 41. Installare la piastra spingi interruttore (E) utilizzando la vite autofilettante M4 × 10 (J).

安装于高速 MFP 上时

- 35. 按原样安装右下部盖板 (41)。
- 36. 按原样安装右下后部盖板 (37)。
- 37. 安装右中后部盖板 (35) 的 1 颗螺丝 (36)。

- 38. 按原样安装右前部盖板 (32)。
- 39. 按原样安装右部盖板 2 (28)。
- 40. 按原样安装右部盖板 1 (25)。

- 41. 使用 1 颗 M4×10 自攻螺丝 (J) 安装开关挡板 (E)。

고속 MFP 에 설치하는 경우

- 35. 우측 하단커버 (41) 를 원래대로 장착합니다 .
- 36. 우측하단 뒷커버 (37) 를 원래대로 장착합니다 .
- 37. 우측 중간 뒷커버 (35) 의 나사 (36) 1 개를 장착합니다 .

- 38. 우측 전면커버 (32) 를 원래대로 장착합니다 .
- 39. 우측커버 2 (28) 를 원래대로 장착합니다 .
- 40. 우측커버 1 (25) 를 원래대로 장착합니다 .

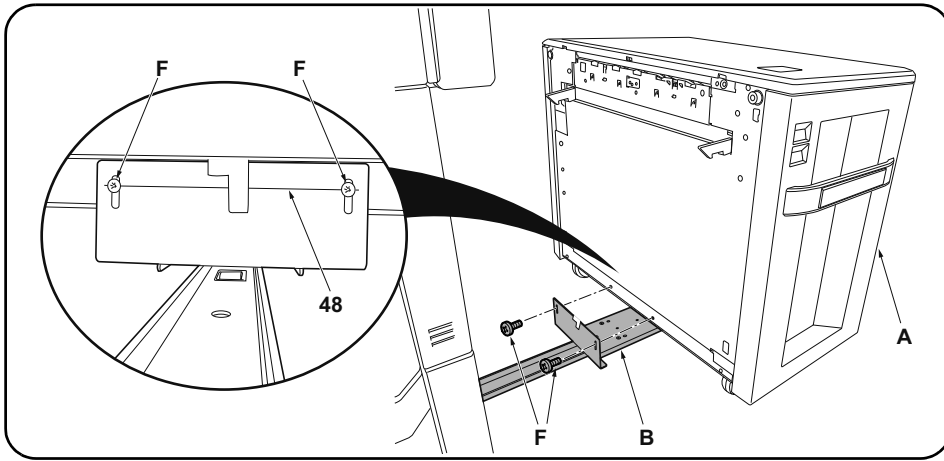
- 41. 탭핑나사 M4×10(J) 1 개로 스위치 판 (E) 을 장착합니다 .

高速 MFP に設置の場合

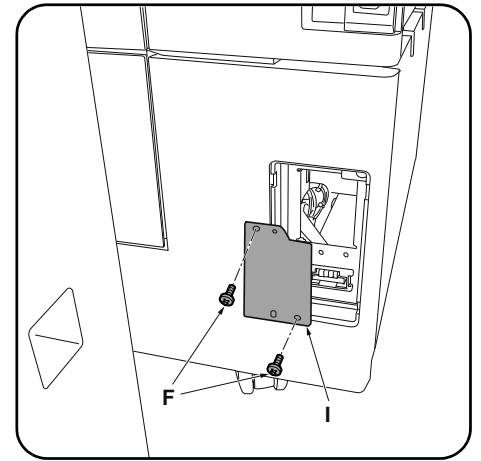
- 35. 右下カバー (41) を元通り取り付けます。
- 36. 右下後カバー (37) を元通り取り付けます。
- 37. 右中後カバー (35) のビス (36) 1 本を取り付けます。

- 38. 右前カバー (32) を元通り取り付けます。
- 39. 右カバー 2 (28) を元通り取り付けます。
- 40. 右カバー 1 (25) を元通り取り付けます。

- 41. タッピングビス M4×10(J) 1 本でスイッチ当たり板 (E) を取り付けます。



42. Install the side feeder (A) to the large base slider (B) using 2 M4 × 8 screws (F). Install so that the center of the M4 × 8 screws (F) comes over the horizontal line (48) of the mounting plate on the large base slider (B).



43. Install the cover plate (I) using 2 M4 × 8 screws (F).

42. Fixer le dispositif du plateau d'alimentation latéral (A) à la grande règle de base (B) à l'aide de 2 vis M4 × 8 (F). Procéder de sorte que l'axe des vis M4 × 8 (F) recouvre la ligne horizontale (48) du plateau de montage sur la grande règle de base (B).

43. Fixer le capot (I) à l'aide de 2 vis M4 × 8 (F).

42. Instale el alimentador lateral (A) en el deslizador de base grande (B) usando 2 tornillos M4 × 8 (F). Instale de manera que el centro de los tornillos M4 × 8 (F) queden sobre la línea horizontal (48) de la placa de montaje del deslizador de base (B) grande.

43. Instale la tapa (I) usando los 2 tornillos M4 × 8 (F).

42. Befestigen Sie den seitlichen Einzug (A) mit 2 M4 × 8 Schrauben (F) am großen Basis-Schieber (B). Befestigen Sie ihn so, dass die Mitte der M4 × 8 Schrauben (F) über der Waagrechtlinie (48) der Montageplatte am großen Basis-Schieber (B) liegt.

43. Bringen Sie die Abdeckungsplatte (I) mit 2 M4 × 8 Schrauben (F) an.

42. Installare l'unità di alimentazione laterale (A) allo scivolo di base grande (B) utilizzando 2 viti M4 × 8 (F). Installare in modo che il centro delle viti M4 × 8 (F) sia sulla linea orizzontale (48) della piastra di montaggio sullo scivolo di base grande (B).

43. Installare il coperchio (I) utilizzando 2 viti M4 × 8 (F).

42. 使用 2 顆 M4×8 螺絲 (F) 將側供紙盒 (A) 安裝到底座滑板 (大) (B) 上。此時，應確保 M4×8 螺絲 (F) 的中心處於底座滑板 (大) (B) 的安裝板的平行線 (48) 上。

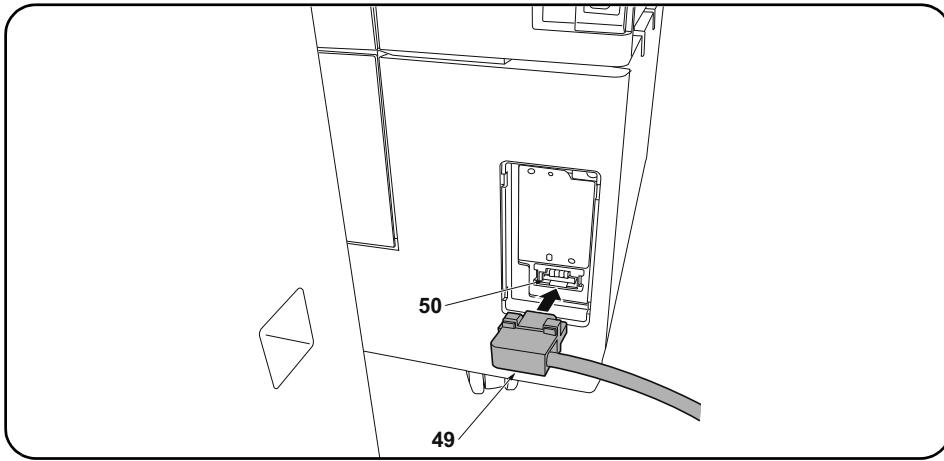
43. 使用 2 顆 M4×8 螺絲 (F) 安裝盖板 (I)。

42. 나사 M4×8(F) 2 개로 베이스 슬라이더 대 (B) 에 사이드 피더 (A) 를 장착합니다 . 그 때 , 베이스 슬라이더 대 (B) 의 설치판의 평행선 (48) 에 나사 M4×8(F) 의 센터가 오도록 장착합니다 .

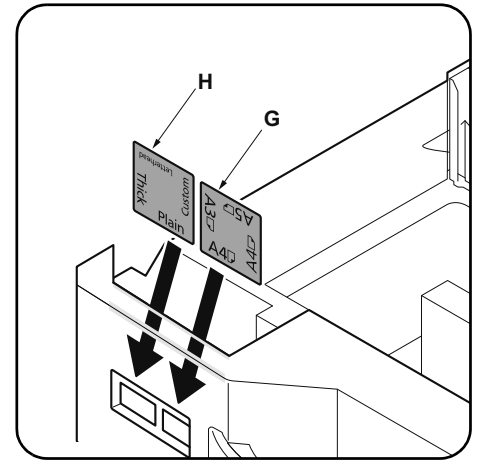
43. 나사 M4×8(F) 2 개로 커버 플레이트 (I) 를 장착합니다 .

42. ビス M4×8(F) 2 本でベーススライダ大 (B) にサイドフィーダー(A) を取り付ける。その際、ベーススライダ大 (B) の取付板の平行線 (48) にビス M4×8(F) のセンターがくるように取り付ける。

43. ビス M4×8(F) 2 本でカバープレート (I) を取り付ける。



44. Plug the signal cable (49) for the side feeder into the paper feeder connector (50).
45. Push the side feeder to connect it to the MFP.



- Setting the paper size plate and media type plate**
Insert the paper size plate (G) and media type plate (H) into the each slots respectively.

44. Enfiler le câble de signal (49) du dispositif du plateau d'alimentation latéral dans le connecteur (50) du bureau papier.
45. Pousser le dispositif du plateau d'alimentation latéral pour le raccorder au MFP.

- Disposition des plaquettes du format de papier et du type de support**
Introduire la plaquette du format de papier (G) et la plaquette du type de support (H) dans leur logement respectif.

44. Conecte el cable de señal (49) del alimentador lateral en el conector del alimentador de papel (50).
45. Empuje el alimentador lateral para conectarlo al MFP.

- Ajuste de la placa de tamaño de papel y la placa de tipo de medio**
Inserte la placa de tamaño de papel (G) y la placa de tipo de medio (H) en cada uno de las ranuras, respectivamente.

44. Schließen Sie das Signalkabel (49) für den seitlichen Einzug am Papiereinzug-Steckverbinder (50) an.
45. Drücken Sie auf den seitlichen Einzug, um ihn mit dem MFP zu verbinden.

- Einsetzen der Papierformatkarte und der Medientypkarte**
Setzen Sie die Papierformatkarte (G) und die Medientypkarte (H) in die jeweiligen Führungen.

44. Collegare il cavo del segnale (49) per l'unità di alimentazione laterale nel connettore dell'unità di alimentazione carta (50).
45. Spingere l'unità di alimentazione laterale per collegarla all'MFP.

- Impostazione della piastra di formato carta e della piastra del tipo di supporto**
Inserire la piastra del formato carta (G) e la piastra del tipo di supporto (H) nei rispettivi alloggiamenti.

44. 将侧供纸盒的信号线 (49) 连接到供纸盒的接口 (50) 上。
45. 按住侧供纸盒, 将其与 MFP 主机连接。

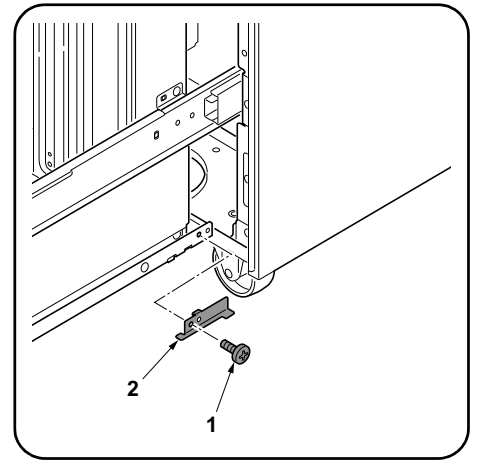
- 纸张尺寸标示和纸张种类标示的安装**
将纸张尺寸标示 (G) 和纸张种类标示 (H) 分别插入到图示的插槽中。

44. 사이드 피더의 신호선 (49) 을 용지 급지대의 커넥터 (50) 에 접속합니다 .
45. 사이드 피더를 밀어 MFP 본체에 접속합니다 .

- 용지크기 플레이트와 용지종류 플레이트의 세트**
용지크기 플레이트 (G) 와 용지종류 플레이트 (H) 를 각표시 슬롯에 각각 삽입한다 .

44. サイドフィーダーの信号線 (49) をペーパーフィーダーのコネクター (50) に接続する。
45. サイドフィーダーを押し、MFP 本体に接続する。

- 用紙サイズプレートと用紙種類プレートのセット**
用紙サイズプレート (G) と用紙種類プレート (H) を各表示スロットにそれぞれ挿入する。



Changing paper size (metric specifications only)

At shipment, Letter is set for inch models and A4 is set for metric models. Use the procedure below to change the size to B5.

1. Pull out the side feeder cassette.
2. Remove a screw (1) and remove the stopper (2).

Modification du format du papier (pour spécifications métriques seulement)

À expédition, les modèles à mesure en pouces sont réglés sur le format Letter et les modèles à mesure métrique sur le format A4. Pour passer au format B5, procéder de la manière suivante.

1. Sortir le tiroir du dispositif du plateau d'alimentation latéral.
2. Déposer la vis (1) et la butée (2).

Cómo cambiar el tamaño de papel (sólo para las especificaciones métricas)

En el momento de salida de fábrica, se configura Carta para los modelos en pulgadas y A4 para los modelos en sistema métrico. Siga este procedimiento para cambiar el tamaño a B5.

1. Extraiga el cajón del alimentador lateral.
2. Quite el tornillo (1) y quite el tope (2).

Ändern des Papierformats (nur metrische Spezifikationen)

Beim Werksversand ist bei Modellen mit Zollmaß das Format Letter voreingestellt und bei Modellen mit metrischem Maß das Format A4. Das Format kann wie folgend auf B5 umgeschaltet werden.

1. Ziehen Sie die Papierlade des seitlichen Einzugs heraus.
2. Entfernen Sie eine Schraube (1) und nehmen Sie den Anschlag (2) heraus.

Cambio del formato della carta (solo per le specifiche metriche)

Al momento della spedizione, Letter è impostato per le specifiche in pollici e A4 è impostato per le specifiche metriche. Usare la procedura riportata sotto per cambiare il formato a B5.

1. Estrarre il cassetto dell'unità di alimentazione laterale.
2. Rimuovere la vite (1) e quindi rimuovere il fermo (2).

纸张尺寸更改 (仅限公制规格)

产品出厂时, 英制规格设定为 Letter、公制规格设定为 A4。要将尺寸更改为 B5 时, 请按以下步骤进行操作。

1. 拉出侧供纸盒的纸盒。
2. 拆除 1 颗螺丝 (1), 拆下挡块 (2)。

용지크기 변경 (센치 사양만)

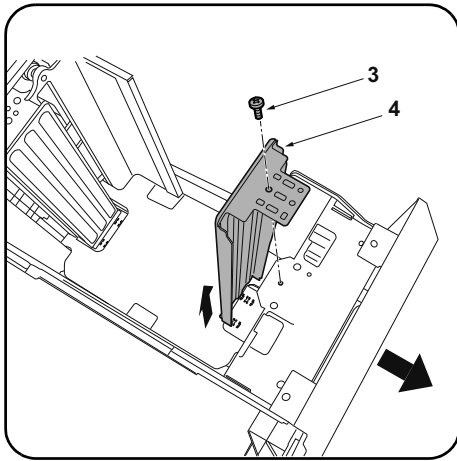
출하시, 인치사양은 Letter, 센치사양은 A4 로 설정되어 있습니다. 크기를 B5 로 변경하는 경우에는 다음 순서를 진행해 주십시오.

1. 사이드 피더의 카세트를 빼 냅니다.
2. 나사 (1) 1 개를 제거하고 스톱퍼 (2) 를 떼어 냅니다.

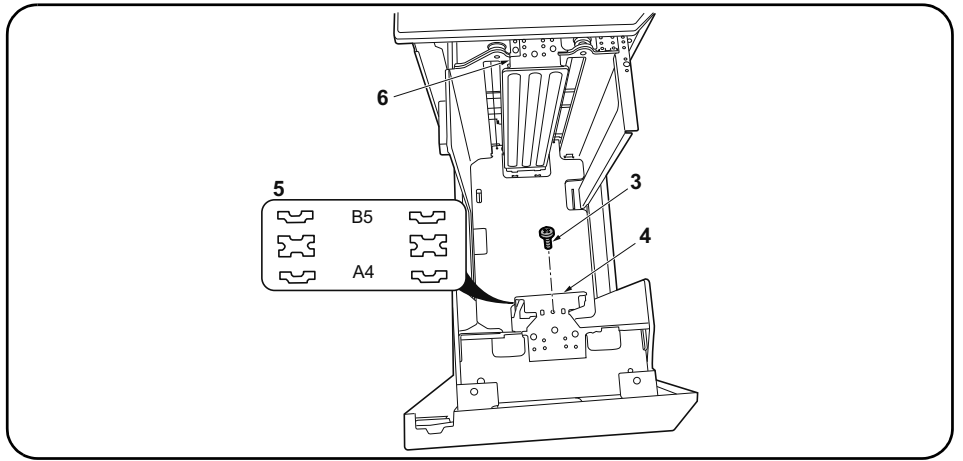
[用紙サイズ変更(センチ仕様のみ)]

出荷時、インチ仕様は Letter、センチ仕様は A4 に設定されています。サイズを B5 に変更する場合は次の手順をおこなってください。

1. サイドフィーダーのカセットを引き出す。
2. ビス (1) 1 本を外し、ストップ (2) を取り外す。



3. Remove a screw (3) and remove the front deck cursor (4).



4. Move the front deck cursor (4) to match the size marking (5) (the outermost is A4, the innermost is B5) at the bottom of the cassette.
5. Fix the front deck cursor (4) using the screw (3).
6. Move the rear deck cursor (6) in the same way.

3. Déposer la vis (3) et le curseur de platine avant (4).

4. Déplacer le curseur de platine avant (4) en fonction du repère de format papier (5) (le repère le plus à l'extérieur est celui du format A4, celui le plus à l'intérieur, celui du format B5) se trouvant au fond de le tiroir.
5. Fixer le curseur de platine avant (4) à l'aide de la vis (3).
6. Déplacer le curseur de platine arrière (6) en procédant de la même manière.

3. Quite el tornillo (3) y quite el cursor frontal de la plataforma (4).

4. Mueva el cursor frontal de la plataforma (4) para que corresponda con la marca de tamaño (5) (la más externa es A4, la más interna es B5) en la parte inferior del cajón.
5. Fije el cursor frontal de la plataforma (4) usando el tornillo (3).
6. Mueva el cursor trasero de la plataforma (6) de la misma forma.

3. Entfernen Sie eine Schraube (3) und nehmen Sie den vorderen Konsole-Cursor (4) heraus.

4. Versetzen Sie den vorderen Konsole-Cursor (4), um die Formatmarkierung (5) am Boden der Papierlade anzupassen (die äußerste ist A4, die innerste ist B5).
5. Befestigen Sie den vorderen Konsole-Cursor (4) mit der Schraube (3).
6. Versetzen Sie den hinteren Konsole-Cursor (6) auf gleiche Weise.

3. Rimuovere la vite (3) e quindi rimuovere il cursore frontale del deck (4).

4. Spostare il cursore frontale del deck (4) per farlo corrispondere al segno del formato (5) (il più esterno è A4, il più interno è B5) alla parte inferiore del cassetto.
5. Fissare il cursore frontale del deck (4) utilizzando la vite (3).
6. Spostare il cursore posteriore del deck (6) alla stessa maniera.

3. 拆除 1 顆螺絲 (3)，拆下前部紙張長度調節片 (4)。

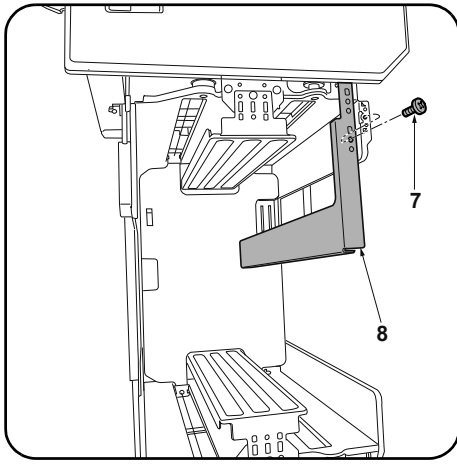
4. 根據紙盒下部的刻印 (5) (最外側為 A4、最內側為 B5) 移動前部紙張長度調節片 (4)。
5. 使用 1 顆螺絲 (3) 固定前部紙張長度調節片 (4)。
6. 按相同方法移動後部紙張長度調節片 (6)。

3. 나사 (3) 1 개를 제거하고 데크커서앞 (4) 을 제거합니다 .

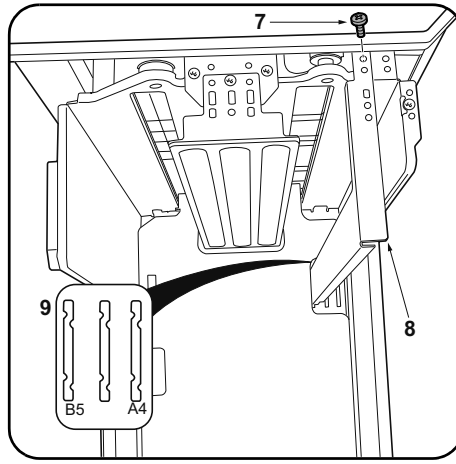
4. 카세트 아래의 사이즈각인 (5) (가장 바깥쪽이 A4, 가장 안쪽이 B5) 에 맞춰 데크커서앞 (4) 을 이동시킵니다 .
5. 나사 (3) 1 개로 데크커서앞 (4) 을 고정합니다 .
6. 같은 방식으로 데크커서뒤 (6) 를 이동시킵니다 .

3. ビス (3) 1 本を外し、デッキカーソル前 (4) を取り外す。

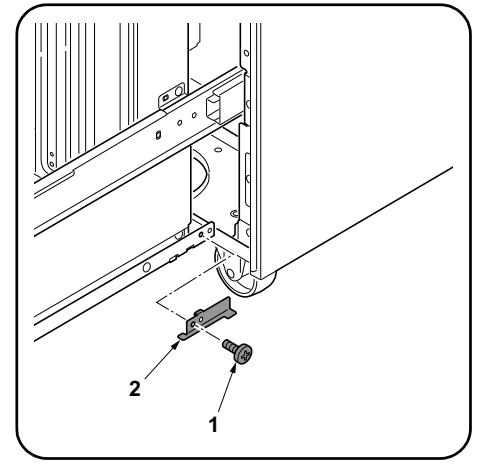
4. カセット下のサイズ刻印 (5) (一番外側が A4、一番内側が B5) に合わせてデッキカーソル前 (4) を移動させる。
5. ビス (3) 1 本で、デッキカーソル前 (4) を固定する。
6. 同様にデッキカーソル後 (6) を移動させる。



7. Remove a screw (7) and remove the deck trailing edge cursor (8).



8. Move the deck trailing edge cursor (8) to match the size marking (9) at the bottom of the cassette.
9. Fix the deck trailing edge cursor (8) with the screw (7).



10. Reinstall the stopper (2) using the screw (1).
11. Run maintenance mode U208 and set the paper size.

7. Déposer la vis (7) et déposer le curseur du bord arrière de la platine (8).

8. Déplacer le curseur du bord arrière de la platine (8) en fonction du repère de format papier (9) se trouvant au fond de le tiroir.
9. Fixer le curseur du bord arrière de la platine (8) à l'aide de la vis (7).

10. Reposer la butée (2) à l'aide de la vis (1).
11. Exécuter le mode maintenance U208 et définir le format du papier.

7. Quite el tornillo (7) y quite el cursor del borde inferior de la plataforma (8).

8. Mueva el cursor del borde inferior de la plataforma (8) para que corresponda con la marca de tamaño (9) en la parte inferior del cajón.
9. Fije el cursor del borde inferior de la plataforma (8) con el tornillo (7).

10. Reinstale el tope (2) usando el tornillo (1).
11. Active el modo de mantenimiento U208 y ajuste el tamaño de papel.

7. Entfernen Sie eine Schraube (7) und nehmen Sie den Hinterkante-Cursor (8) heraus.

8. Versetzen Sie den Hinterkante-Cursor (8), um die Formatmarkierung (9) am Boden der Papierlade anzupassen.
9. Befestigen Sie den Hinterkante-Cursor (8) mit der Schraube (7).

10. Bringen Sie den Anschlag (2) wieder mit der Schraube (1) an.
11. Führen Sie den Wartungsmodus U208 aus und stellen Sie das Papierformat ein.

7. Rimuovere la vite (7) e quindi rimuovere il cursore del bordo finale del deck (8).

8. Spostare il cursore del bordo finale del deck (8) per farlo corrispondere al segno di formato (9) alla parte inferiore del cassetto.
9. Fissare il cursore del bordo finale del deck (8) con la vite (7).

10. Reinstallare il fermo (2) utilizzando la vite (1).
11. Eseguire la modalità manutenzione U208 e impostare il formato carta.

7. 拆除 1 顆螺絲 (7)，拆下后端紙張長度調節片 (8)。

8. 根據紙盒下部的刻印 (9) 移動后端紙張長度調節片 (8)。
9. 使用 1 顆螺絲 (7) 固定后端紙張長度調節片 (8)。

10. 使用 1 顆螺絲 (1)，按原樣安裝擋塊 (2)。
11. 執行維修模式 U208，進行紙張尺寸的設定。

7. 나사 (7) 1 개를 제거하고 데크뒤커서 (8) 를 제거합니다 .

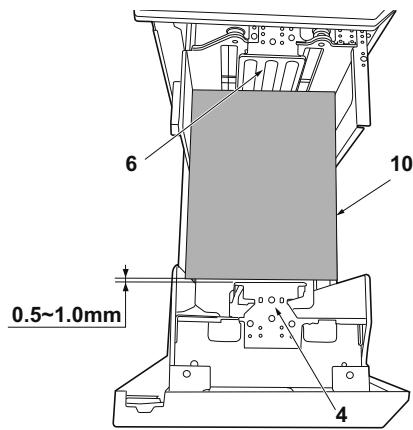
8. 카세트 아래의 사이즈각인 (9) 에 맞춰서 데크뒤커서 (8) 를 이동시킵니다 .
9. 나사 (7) 1 개로 데크뒤커서 (8) 를 고정합니다 .

10. 나사 (1) 1 개로 스톱퍼 (2) 를 원래대로 장착합니다 .
11. 메인テナンス 모드 U208 을 실행해 용지크기 설정을 합니다 .

7. ビス (7) 1 本を外し、デッキ後端カーソル (8) を取り外す。

8. カセット下のサイズ刻印 (9) に合わせて、デッキ後端カーソル (8) を移動させる。
9. ビス (7) 1 本で、デッキ後端カーソル (8) を固定する。

10. ビス (1) 1 本で、ストップ (2) を元通り取り付ける。
11. メンテナンスモード U208 を実行し、用紙サイズの設定をおこなう。



Adjusting the cursor width

1. Load paper in the cassettes.
2. If the gap between the front deck cursor (4) and the paper (10) is outside the 0.5 to 1.0 mm range when the paper (10) is touching up against the rear deck cursor (6), perform the following adjustment.
* A cursor width that is too small can hinder paper feeding, while a cursor width that is too large can lead to problems such as skewed paper feed.

Réglage de la largeur du curseur

1. Charger les tiroirs en papier.
2. Si l'écartement entre le curseur de platine avant (4) et le papier (10) est hors des limites de 0,5 à 1,0 mm quand le papier (10) touche le curseur de platine arrière (6), procéder au réglage suivant.
* Une largeur trop faible du curseur risque d'empêcher l'entraînement du papier et une largeur trop grande risque d'entraîner des problèmes du type entraînement du papier de biais.

Cómo ajustar la anchura del cursor

1. Cargue papel en los cajones.
2. Si la separación entre el cursor frontal de la plataforma (4) y el papel (10) está fuera del rango de 0,5 a 1,0 mm cuando el papel (10) toca el cursor trasero de la plataforma (6), haga el siguiente ajuste.
* Una anchura del cursor demasiado pequeña puede impedir la alimentación de papel; una anchura del cursor demasiado grande puede provocar problemas con la alimentación torcida de papel.

Einstellen der Cursor-Breite

1. Papier in die Papierladen einlegen.
2. Falls der Abstand zwischen dem vorderen Konsole-Cursor (4) und dem Papier (10) außerhalb des Bereichs 0,5 bis 1,0 mm liegt, wenn das Papier (10) am hinteren Konsole-Cursor (6) anliegt, ist folgende Einstellung vorzunehmen.
* Eine zu kleine Cursor-Breite kann den Papiereinzug behindern, wogegen eine zu große Cursor-Breite verkanteten Papiereinzug und ähnliche Probleme verursachen kann.

Regolazione della larghezza del cursore

1. Caricare carta nei cassettei.
2. Se lo spazio tra il cursore frontale del deck (4) e la carta (10) è fuori della gamma da 0,5 a 1,0 mm quando la carta (10) tocca il cursore posteriore del deck (6), eseguire la regolazione seguente.
* Una larghezza dei cursori troppo piccola può ostacolare l'alimentazione della carta, mentre unalarghezza dei cursori troppo grande può essere causa di problemi, come ad esempio l'alimentazione obliqua della carta.

游标宽度的调节

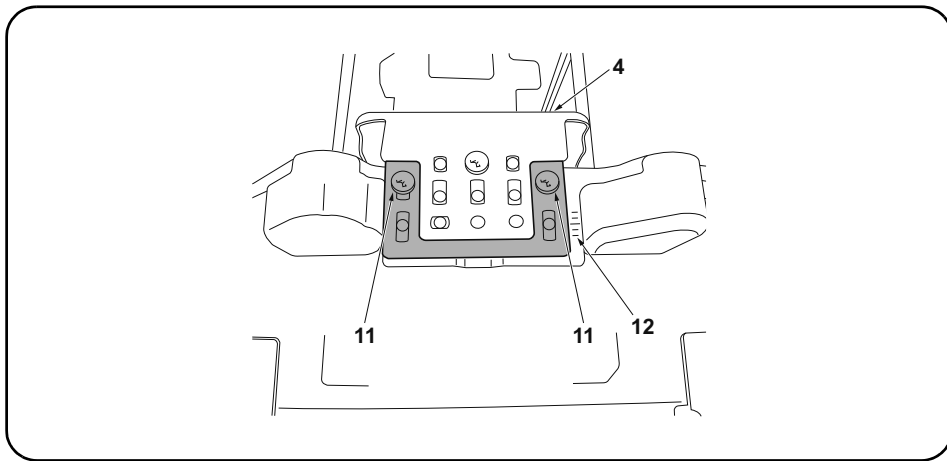
1. 在供纸盒中装入纸张。
2. 在堆纸板后部游标 (6) 与纸张 (10) 接触的状态下, 如果堆纸板前部游标 (4) 与纸张 (10) 的间隙超出了 0.5 ~ 1.0mm 的范围, 须进行以下调节。
※ 如果游标宽度过小, 可能造成不供纸, 游标宽度过大, 则可能发生歪斜进纸等情况。

커서 폭 조정

1. 카세트에 용지를 장착합니다.
2. 데크커서 뒤 (6) 에 용지 (10) 가 접하고 있는 상태에서 데크커서 앞 (4) 과 용지 (10) 의 틈이 0.5 ~ 1.0mm 의 범위외의 경우에는 이하의 조정을 합니다.
※ 커서 폭이 작으면 무급지, 커서 폭이 크면 경사급지 등이 발생할 가능성이 있습니다.

[カーソル幅の調整]

1. カセットに用紙をセットする。
2. デッキカーソル後 (6) に用紙 (10) が接している状態で、デッキカーソル前 (4) と用紙 (10) の隙間が 0.5 ~ 1.0mm の範囲外の場合は、以下の調整をおこなう。
※ カーソル幅が小さいと無給紙、カーソル幅が大きいと斜め給紙などが発生する可能性がある。



3. Loosen 2 adjusting screws (11) on the front deck cursor (4) and move the cursor (4) while checking with the scale (12).
4. Retighten the 2 adjusting screws (11).
5. Check that the gap between the front deck cursor (4) and the paper is between 0.5 and 1.0 mm.

-
3. Desserrer les 2 vis de réglage (11) sur le curseur de platine avant (4) et déposer le curseur (4) tout en vérifiant à l'aide de l'échelle (12).
 4. Resserrer les 2 vis de réglage (11).
 5. Vérifier que l'écartement entre le curseur de platine avant (4) et le papier est entre 0,5 et 1,0 mm.

-
3. Afloje 2 tornillos de ajuste (11) en el cursor frontal de la plataforma (4) y mueva el cursor (4) mientras verifica con la escala (12).
 4. Vuelva a apretar los 2 tornillos de ajuste (11).
 5. Verifique que la separación entre el cursor frontal de la plataforma (4) y el papel sea de entre 0,5 y 1,0 mm.

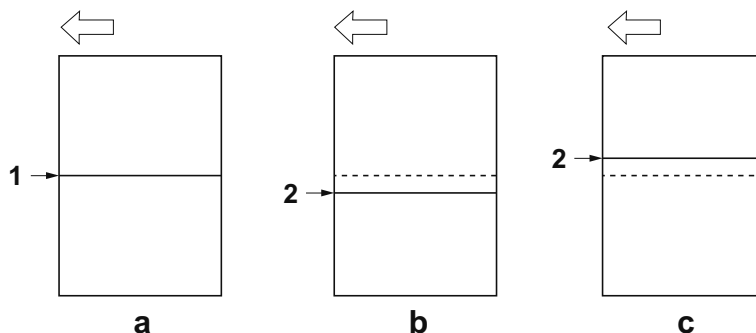
-
3. Lösen Sie 2 Einstellschrauben (11) am vorderen Konsole-Cursor (4) und versetzen Sie den Cursor (4) unter Beobachtung der Skale (12).
 4. Die 2 Einstellschrauben (11) wieder anziehen.
 5. Vergewissern Sie sich, dass der Abstand zwischen dem vorderen Konsole-Cursor (4) und dem Papier im Bereich 0,5 bis 1,0 mm liegt.

-
3. Allentare le 2 viti di regolazione (11) sul cursore frontale del deck (4), e quindi rimuovere il cursore (4) controllando la scala (12).
 4. Ristringere le 2 viti di regolazione (11).
 5. Controllare che lo spazio tra il cursore frontale del deck (4) e la carta sia compreso nella gamma tra 0,5 e 1,0 mm.

-
3. 拧松前部纸张长度调节片 (4) 的 2 颗调节螺丝 (11), 边确认刻度 (12) 边移动前部纸张长度调节片 (4)。
 4. 拧紧 2 颗调节螺丝 (11)。
 5. 确认堆纸板前部游标 (4) 与纸张的间隙在 0.5 ~ 1.0mm 的范围内。

-
3. 데크커서앞 (4) 의 조정나사 (11) 2 개를 풀어 눈금 (12) 을 확인하면서 데크커서앞 (4) 을 이동시킵니다 .
 4. 조정나사 (11) 2 개를 조입니다 .
 5. 데크커서 앞 (4) 과 용지의 틈이 0.5 ~ 1.0 mm 범위내가 되어 있는 것을 확인합니다 .

-
3. 데스크커솔前 (4) の調整ビス (11) 2 本を緩め、目盛り (12) を確認しながらデスクカーソル前 (4) を移動させる。
 4. 調整ビス (11) 2 本を締め付ける。
 5. 데스크カーソル前 (4) と用紙の隙間が 0.5 ~ 1.0mm の範囲内になっていることを確認する。



Adjusting the center line

Check the deviation between the center (1) of a correct image (a) and the center (2) of a test pattern.

<Reference value> Within ± 2.0 mm

1. Set the maintenance mode U034. Select LSU Out Left and Cassette5.

2. Adjust the values.

Test pattern (b): Increase the setting value.

Test pattern (c): Decrease the setting value.

3. Press the Start key to confirm the setting value.

Réglage de l'axe

Vérifier la déviation entre l'axe (1) d'une image correcte (a) et l'axe (2) d'une forme d'essai.

<Valeur de référence> $\pm 2,0$ mm max.

1. Passer au mode maintenance U034. Sélectionner LSU Out Left et Cassette5.

2. Régler les valeurs.

Mire d'essai (b): Augmentez la valeur de réglage.

Mire d'essai (c): Diminuez la valeur de réglage.

3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la línea central

Compruebe la desviación entre el centro (1) de una imagen correcta (a) y el centro (2) de un patrón de prueba.

<Valor de referencia> Dentro de $\pm 2,0$ mm

1. Entre en el modo de mantenimiento U034. Seleccione LSU Out Left y Cassette5.

2. Ajuste los valores.

Patrón de prueba (b): Aumente el valor de configuración.

Patrón de prueba (c): Reduzca el valor de configuración.

3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen der Mittelinie

Überprüfen Sie die Abweichung zwischen der Mitte (1) eines korrekten Bilds (a) und der Mitte (2) eines Prüfmusters.

<Bezugswert> Innerhalb $\pm 2,0$ mm

1. Stellen Sie den Wartungsmodus U034 ein. Wählen Sie LSU Out Left und Cassette5.

2. Die Werte einstellen.

Testmuster (b): Den Einstellwert erhöhen.

Testmuster (c): Den Einstellwert verringern.

3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della linea centrale

Controllare la deviazione tra il centro (1) di un'immagine corretta (a) e il centro (2) di un modello di prova.

<Valore di riferimento> Entro $\pm 2,0$ mm

1. Impostare la modalità manutenzione U034. Selezionare LSU Out Left e Cassette5.

2. Regolare i valori.

Modello di prova (b): Aumentare il valore dell'impostazione.

Modello di prova (c): Diminuire il valore dell'impostazione.

3. Premere il tasto di Start per confermare il valore dell'impostazione.

中心线调节

确认标准图像 (a) 的中心位置 (1) 与测试图案的中心位置 (2) 的偏移。

<标准值> ± 2.0 mm 以内

1. 设置维修模式 U034, 选择 LSU Out Left、Cassette5。

2. 调整设定值。

测试图案 (b) : 调高设定值。

测试图案 (c) : 调低设定值。

3. 按 Start 键, 以确定设定值。

센터라인 조정

적정화상 (a) 의 센터 (1) 와 테스트패턴의 센터 (2) 의 차이를 확인합니다.

<기준치> ± 2.0 mm 이내

1. 메인テナンス 모드 U034 을 세트하고 LSU Out Left, Cassette5 를 선택합니다.

2. 설정치를 조정합니다.

테스트 패턴 (b) : 설정치를 높입니다.

테스트 패턴 (c) : 설정치를 내립니다.

3. 시작키를 누르고 설정치를 확인합니다.

センターライン調整

適正画像 (a) のセンター (1) とテストパターン (2) のずれを確認する。ずれが基準値外の場合は調整をおこなう。

<基準値> ± 2.0 mm 以内。

1. メンテナンスモード U034 をセットし、LSU Out Left、Cassette5 を選択する。

2. 設定値を調整する。

テストパターン (b) : 設定値を上げる。

テストパターン (c) : 設定値を下げる。

3. スタートキーを押し、設定値を確定する。

INSTALLATION GUIDE FOR SIDE MULTI TRAY

English

References to medium-speed MFPs in this document denote 45/45 and 55/50 ppm color machines.

References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines.

Français

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 45/45 et 55/50 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm.

Español

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 45/45 y 55/50 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm.

Deutsch

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 45/45 und 55/50 ppm Vollfarbentkopierer.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbentkopierer sowie für die 65 und 80 ppm Monochrommaschinen.

Italiano

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 45/45 e 55/50 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm.

简体中文

本文中的中速 MFP 代表彩色 45/45 页机型、55/50 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。

한국어

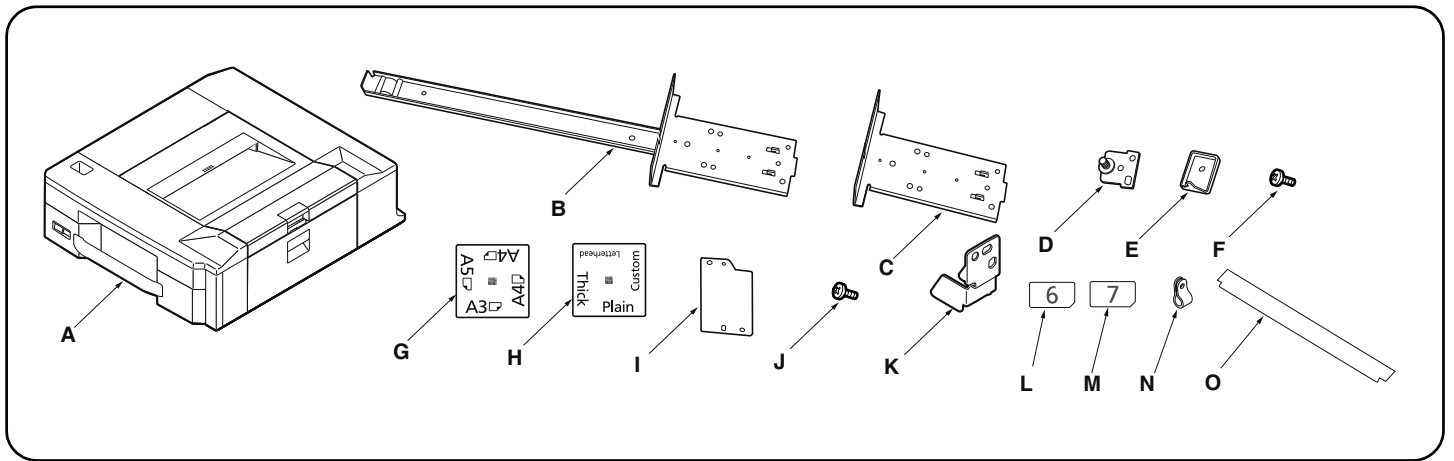
본문 중 중속 MFP 는 컬러 45/45 매기 , 55/50 매기 .

본문 중 고속 MFP 는 컬러 65/65 매기 , 75/70 매기 , 흑백 65 매기 , 80 매기를 나타냅니다 .

日本語

本文中の中速 MFP はカラー機の 45/45 枚機、55/50 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。



Supplied parts

A. Side multi-tray	1
B. Large base slider	1
C. Small base slider	1
D. Lock pin	2
E. Switch press plate	2
F. M4 x 8 screw	10

G. Paper size plate	2
H. Media type plate(except for 120V model)	7
H. Media type plate(120V model only)	4
I. Cover plate	1
J. M4 x 10 tapping screw	1
K. Stopper	2
L. Cassette Number Label 6	1

M. Cassette Number Label 7	1
N. Clamp	2
O. Film	1

Be sure to remove any tape and/or cushioning material from supplied parts.

Pièces fournies

A. Bac multiples usages latéral	1
B. Grande règle de base	1
C. Petite règle de base	1
D. Broche de verrouillage	2
E. Plaque de pression de l'interrupteur	1
F. Vis M4 x 8	10

G. Plaquette du format de papier	2
H. Plaquette du type de support	7
I. Capot	1
J. Vis de connexion M4 x 10	1
K. Butée	2
L. Étiquette de numéro de cassette 6	1
M. Étiquette de numéro de cassette 7	1

N. Collier	2
O. Film	1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Partes suministradas

A. Multi-bandeja lateral	1
B. Deslizador de base grande	1
C. Deslizador de base pequeño	1
D. Clavija de bloqueo	2
E. Placa de presión del interruptor	1
F. Tornillo M4 x 8	10

G. Placa de tamaño de papel	2
H. Placa de tipo de medio	7
I. Tapa	1
J. Tornillo de roscado M4 x 10	1
K. Tope	2
L. Etiqueta de casete con el número 6	1
M. Etiqueta de casete con el número 7	1

N. Abrazadera	2
O. Película	1

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

Gelieferte Teile

A. Seitliches Mehrzweck-Papierfach	1
B. Großer Basis-Schieber	1
C. Kleiner Basis-Schieber	1
D. Arretierstift	2
E. Schalterdruckplatte	1
F. M4 x 8 Schraube	10

G. Papierformatkarte	2
H. Medientypkarte	7
I. Abdeckplatte	1
J. M4 x 10 Schneidschraube	1
K. Anschlag	2
L. Aufkleber Kassettensnummer 6	1
M. Aufkleber Kassettensnummer 7	1

N. Schelle	2
O. Film	1

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Parti di forniture

A. Vassoio multiplo laterale	1
B. Scivolo di base grande	1
C. Scivolo di base piccolo	1
D. Perno di bloccaggio	2
E. Piastra spingi interruttore	1
F. Vite M4 x 8	10

G. Piastra formato carta	2
H. Piastra tipo carta	7
I. Coperchio	1
J. Vite autofilettante M4 x 10	1
K. Fermo	2
L. Etichetta numero cassetta 6	1
M. Etichetta numero cassetta 7	1

N. Fascetta	2
O. Pellicola	1

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

附属品

A. 側手送紙盤	1
B. 底座滑板(大)	1
C. 底座滑板(小)	1
D. 鎖定插銷	2
E. 開關擋板	1
F. M4x8 螺絲	10

G. 紙張尺寸標示	3
H. 紙張種類標示	2
I. 蓋板	1
J. M4x10 自攻螺絲	1
K. 擋塊	2
L. 紙盒編號標籤 6	1
M. 紙盒編號標籤 7	1

N. 束線夾	2
O. 膠片	1

如果附属品上帶有固定膠帶, 緩衝材料時務必揭下。

동봉품

A. 사이드 멀티 트레이	1
B. 베이스 슬라이더 대	1
C. 베이스 슬라이더 소	1
D. 잠금 핀	2
E. 스위치 판	1
F. 나사 M4x8	10

G. 용지크기 플레이트	2
H. 용지종류 플레이트	2
I. 커버 플레이트	1
J. 탭핑 나사 M4x10	1
K. 스톱퍼	2
L. 카세트 넘버 라벨 6	1
M. 카세트 넘버 라벨 7	1

N. 클램프	2
O. 필름	1

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

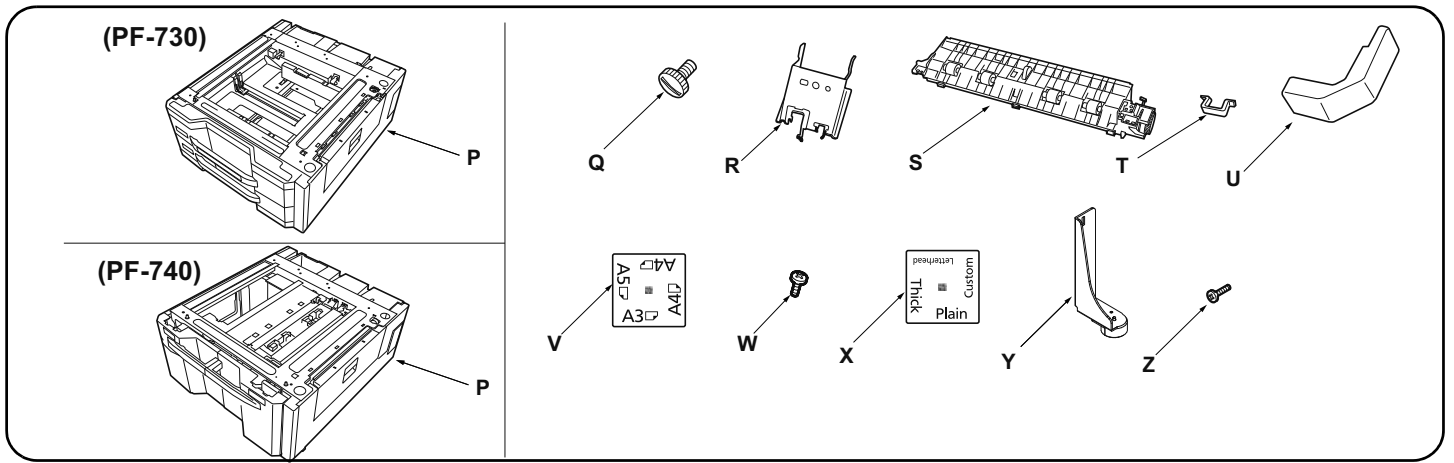
PF-780 同梱品

A. サイドマルチトレイ	1
B. ベーススライダ-大	1
C. ベーススライダ-小	1
D. ロックピン	2
E. スイッチ当たり板	1
F. ビス M4x8	10

G. 用紙サイズプレート	2
H. 用紙種類プレート	2
I. カバープレート	1
J. タッピングビス M4x10	1
K. ストッパー	2
L. カセットナンバーラベル 6	1
M. カセットナンバーラベル 7	1

N. クランプ	2
O. フィルム	1

同梱品に固定テープ, 緩衝材がついている場合は, 必ず取り外すこと。



PF-730/740 Supplied parts

P. Paper feeder	1
Q. Pin	2
R. Retainer	1
S. Intermediate paper conveying unit	1
T. Clamp	1
U. Wire cover	1

V. Paper size plate	4
W. S Tite screw M4 x 8	3
X. Media type plate (120V model only)	6
X. Media type plate (PF-730:110V model only)	2
X. Media type plate (except for above models)	12

Y. Stopper	2
Z. S Tite screws M4 x 20	4

Be sure to remove any tape and/or cushioning material from supplied parts.

Do not use the following parts when installing PF-780: (R), (Y), (Z) and one (W).

PF-730/740 Pièces fournies

P. Bureau papier	1
Q. Broche	2
R. Élément de retenue	1
S. Unité de transport du papier intermédiaire	1
T. Collier	1
U. Couvercle de câble	1

V. Plaquette du format de papier	4
W. Vis S Tite M4 x 8	3
X. Plaquette du type de support	12
Y. Butée	2
Z. Vis S Tite M4 x 20	4

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies

Ne pas utiliser les pièces suivantes pour l'installation de la PF-780 : (R), (Y), (Z) et un (W).

PF-730/740 Partes suministradas

P. Alimentador de papel	1
Q. Clavija	2
R. Retén	1
S. Unidad de transporte de papel intermedia	1
T. Sujetador	1
U. Cubierta para el cable	1

V. Placa de tamaño de papel	4
W. Tornillo S Tite M4 x 8	3
X. Placa de tipo de medio	12
Y. Tope	2
Z. Tornillos S Tite M4 x 20	4

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

No utilice las piezas siguientes cuando instale la PF-780: (R), (Y), (Z) y una (W).

PF-730/740 Gelieferte Teile

P. Papiereinzug	1
Q. Stift	2
R. Halterung	1
S. Eingesetzte Papierfördereinheit	1
T. Klemme	1
U. Kabelabdeckung	1

V. Papierformatkarte	4
W. S-Tite-Schraube M4 x 8	3
X. Medientypkarte	12
Y. Anschlag	2
Z. S-Tite-Schrauben M4 x 20	4

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Die folgenden Teile bei der Installation von PF-780 nicht verwenden: (R), (Y), (Z) und ein (W).

PF-730/740 Parti di forniture

P. Unità di alimentazione della carta	1
Q. Perno	2
R. Fermo	1
S. Unità intermediale di trasporto carta	1
T. Morsetto	1
U. Coperchio cavi	1

V. Piastra formato carta	4
W. Vite S Tite M4 x 8	3
X. Piastra tipo carta	12
Y. Fermo	2
Z. Vite S Tite M4 x 20	4

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

Non utilizzare le seguenti parti quando si installa PF-780: (R), (Y), (Z) e uno (W).

PF-730/740 附属品

P. 供纸工作台	1
Q. 固定插销	2
R. 安装板	1
S. 中间搬运单元	1
T. 夹钳	1

U. 电线盖板	1
V. 纸张尺寸标示 (PF-730)	6
V. 纸张尺寸标示 (PF-740)	4
W. 紧固型 S 螺丝 M4x8	3
X. 纸张种类标示	2
Y. 限位器	2

Z. 紧固型 S 螺丝 M4 x 20

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

设置 PF-780 时, 不使用以下部件: (R) (Y) (Z) 和 1 颗 (W)

PF-730/740 동봉품

P. 급지대	1
Q. 핀	2
R. 부착판	1
S. 중간반송유닛	1
T. 크램프	1

U. 전선커버	1
V. 용지크기 플레이트	4
W. 나사 M4x8S 타이트	3
X. 용지종류 플레이트	2
Y. 전도방지쇠	2
Z. 나사 M4x20 S 타이트	4

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

PF-780 을 설치할 경우에는 하기 부품은 사용하지 않음 : (R) (Y) (Z) 과 (W) 1 개

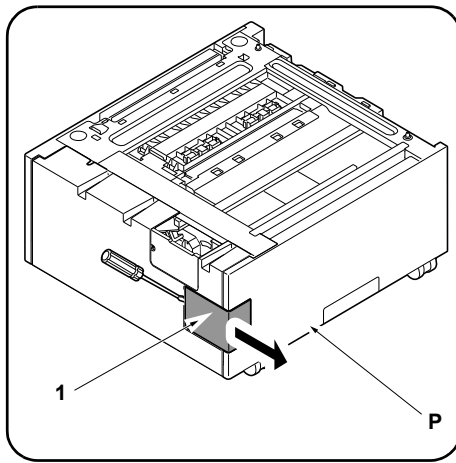
PF-730/740 同梱品

P. 페이퍼피더	1
Q. 핀	2
R. 取付板	1
S. 中间搬送ユニット	1
T. 클램프	1
U. 電線カバー	1

V. 用紙サイズプレート	4
W. ビス M4x8S タイト	3
X. 用紙種類プレート	2
Y. 転倒防止金具	2
Z. ビス M4x20 S タイト	4

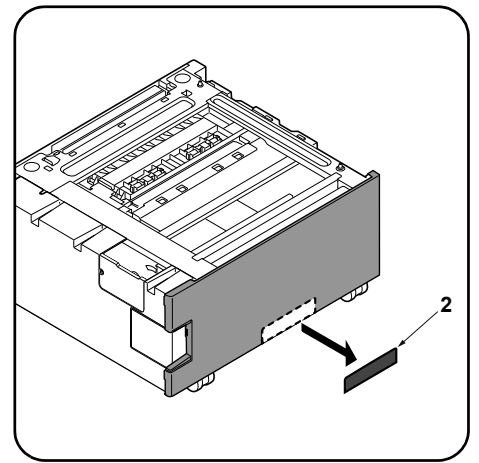
同梱品に固定テープ, 緩衝材が付いている場合は必ず取り外すこと。

PF-780 を設置する場合は, 下記のパーツは使用しない: (R) (Y) (Z) と (W) 1 本



[Side feeder assembly]

1. Remove the cover (1) of the paper feeder (P).
(Do not use cover (1).)



2. Cut the ribs with a nipper, and then remove the breakaway cover (2).

Procedure

Be sure to turn the MFP main power switch off and disconnect the MFP power plug from the wall outlet before starting to install the side feeder.

Procédure

Veiller à bien mettre l'interrupteur principal du MFP hors tension et à débrancher la fiche d'alimentation du MFP de la prise murale avant de commencer l'installation du plateau d'alimentation latéral.

[Ensemble plateau d'alimentation latéral]

1. Déposer le capot (1) du bureau papier (P).
(Ne pas utiliser le capot (1).)

2. Couper les nervures avec une pince, puis déposer le couvercle amovible (2)

Procedimiento

Asegúrese de apagar el interruptor principal del MFP y de desconectar el enchufe del MFP del receptáculo de pared antes de empezar a instalar el alimentador lateral.

[Ensamblaje del alimentador lateral]

1. Quite la cubierta (1) del alimentador de papel (P).
(No utilice la cubierta (1).)

2. Recorte las nervaduras con unos alicates de corte y, a continuación, retire la cubierta divisoria (2).

Verfahren

Schalten Sie unbedingt den Hauptschalter des MFP aus, und ziehen Sie den Netzstecker des MFP von der Netzsteckdose ab, bevor Sie mit der Installation des seitlichen Einzugs beginnen.

[Seitlicher Einzug]

1. Die Abdeckung (1) des Papiereinzugs (P) abnehmen.
(Die Abdeckung (1) nicht verwenden.)

2. Die Rippen mit einer Zange schneiden und dann die Ablösungsabdeckung (2) entfernen.

Procedura

Prima di iniziare la procedura di installazione dell'unità di alimentazione laterale, assicurarsi di spegnere l'interruttore principale di alimentazione dell'MFP, e di scollegare la spina del cavo di alimentazione dalla presa elettrica a muro.

[Assemblaggio unità di alimentazione laterale]

1. Rimuovere il coperchio (1) dall'unità di alimentazione della carta (P).
(Non usare il coperchio (1).)

2. Tagliare le pieghe con una pinzetta e poi rimuovere il coperchio di distacco (2).

安装步骤

安装侧供纸盒时，必须先关闭 MFP 主机上的主电源开关，并拔出电源插头后方可进行工作。

[侧供纸盒的装配]

1. 拆下供纸工作台 (P) 的盖板 (1)。
(不使用盖板 (1))

2. 使用剪钳切断肋板，切除切割盖板 (2)。

설치순서

사이드피더를 설치할 때에는 반드시 MFP 본체의 주전원 스위치를 OFF 로 하고 전원 플러그를 뽑아 후 작업을 할 것 .

[사이드 피더 조립]

1. 용지 급지대 (P) 의 커버 (1) 을 제거합니다 .
(커버 (1) 은 사용하지 않습니다 .)

2. 니퍼로 리브를 자르고 분할커버 (2) 를 떼어 냅니다 .

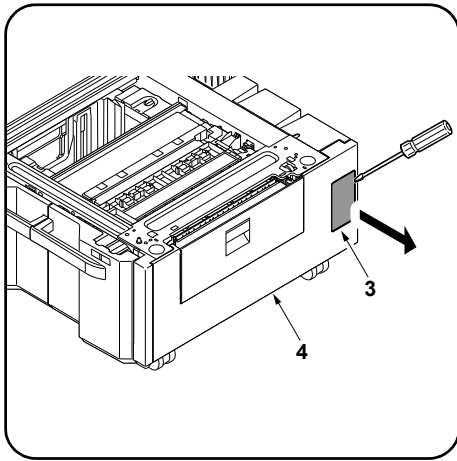
取付手順

サイドフィーダーを設置するときは、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業すること。

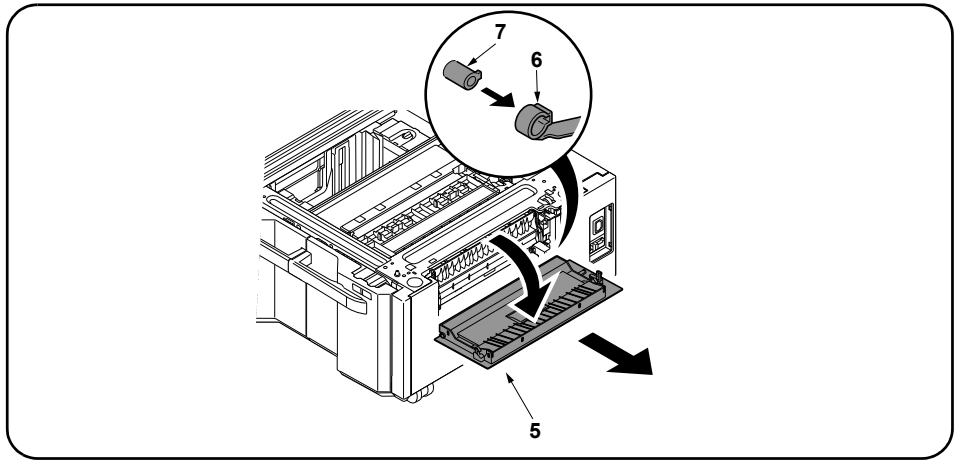
[サイドフィーダーの組み立て]

1. ペーパーフィーダー(P)のカバー(1)を取り外す。
(カバー(1)は使用しません。)

2. ニッパーでリブを切り、割りカバー(2)を切り取る。



3. Remove the panel (3) from the lower right cover (4) on the paper feeder using a flat blade screwdriver.



4. Open the paper feeder right cover (5).
Remove the strap (6) from the right cover shaft (7) and remove the right cover (5).

3. Déposer le panneau (3) du capot inférieur droit (4) du bureau papier en procédant à l'aide d'un tournevis à lame.

4. Ouvrir le couvercle droit du bureau papier (5).
Déposer la courroie (6) de l'axe du capot droit (7) et déposer le capot droit (5).

3. Quite el panel (3) de la cubierta derecha inferior (4) del alimentador de papel con un destornillador de pala plana.

4. Abra la cubierta derecha del alimentador de papel (5).
Quite la correa (6) del eje de la cubierta derecha (7) y quite la cubierta derecha (5).

3. Nehmen Sie mit einem flachen Schraubendreher die Platte (3) von der unteren rechten Abdeckung (4) des Papiereinzugs ab.

4. Die rechte Abdeckung (5) des Papiereinzugs öffnen.
Nehmen Sie den Riemen (6) von der Welle (7) der rechten Abdeckung (5) ab.

3. Rimuovere il pannello (3) dal coperchio destro inferiore (4) sull'unità di alimentazione carta utilizzando un cacciavite a testa piana.

4. Aprire il coperchio destro (5) dell'unità di alimentazione della carta.
Rimuovere la cinghietta (6) dall'asta (7) del coperchio destro e quindi rimuovere il coperchio destro (5).

3. 使用一字螺丝刀等将供纸盒的右下部盖板(4)的盖子(3)拆下。

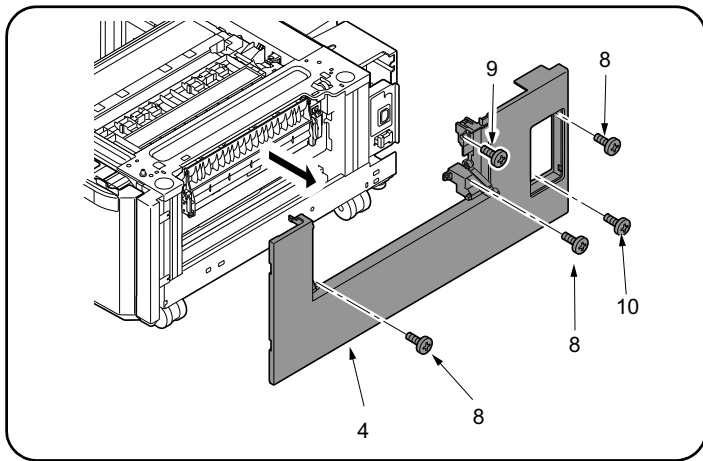
4. 打开供纸盒的右部盖板(5)。
从右盖板的轴(7)上拆除挂绳(6), 拆下右盖板(5)。

3. 용지 급지대의 우측 하단커버(4)의 뚜껑(3)을 마이너스 드라이버 등으로 떼어 냅니다.

4. 급지대 우측커버(5)를 엽니다.
스트랩(6)을 우측커버의 축(7)에서 떼어내고 우측커버(5)를 제거합니다.

3. ペーパーフィーダーの右下カバー(4)のふた(3)をマイナスドライバーなどで取る。

4. ペーパーフィーダーの右カバー(5)を開く。
ストラップ(6)を右カバーの軸(7)から外し、右カバー(5)を取り外す。



For PF-730

5. Remove 3 screws (8) and a screw (9) and remove the paper feeder lower right cover (4).

For PF-740

5. Remove 3 screws (8) and a screw (10) and remove the paper feeder lower right cover (4).

Pour PF-730

5. Déposer les 3 vis (8) et la vis (9) puis déposer le capot inférieur droit du bureau papier (4).

Pour PF-740

5. Déposer les 3 vis (8) et la vis (10) puis déposer le capot inférieur droit du bureau papier (4).

Para PF-730

5. Quite los 3 tornillos (8) y el tornillo (9) y quite la cubierta derecha inferior del alimentador de papel (4).

Para PF-740

5. Quite los 3 tornillos (8) y el tornillo (10) y quite la cubierta derecha inferior del alimentador de papel (4).

Für PF-730

5. Entfernen Sie 3 Schrauben (8) und eine Schraube (9) und nehmen Sie die untere rechte Abdeckung (4) des Papiereinzugs ab.

Für PF-740

5. Entfernen Sie 3 Schrauben (8) und eine Schraube (10) und nehmen Sie die untere rechte Abdeckung (4) des Papiereinzugs ab.

Per PF-730

5. Rimuovere le 3 viti (8) e una vite (9), e quindi rimuovere il coperchio destro inferiore (4) dell'unità di alimentazione carta.

Per PF-740

5. Rimuovere le 3 viti (8) e una vite (10), e quindi rimuovere il coperchio destro inferiore (4) dell'unità di alimentazione carta.

PF-730 时

5. 拆除 3 颗螺丝 (8) 和 1 颗螺丝 (9), 拆下供纸盒的右下部盖板 (4)。

PF-740 时

5. 拆除 3 颗螺丝 (8) 和 1 颗螺丝 (10), 拆下供纸盒的右下部盖板 (4)。

PF-730 의 경우

5. 나사 (8) 3 개와 나사 (9) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (4) 를 제거합니다.

PF-740 의 경우

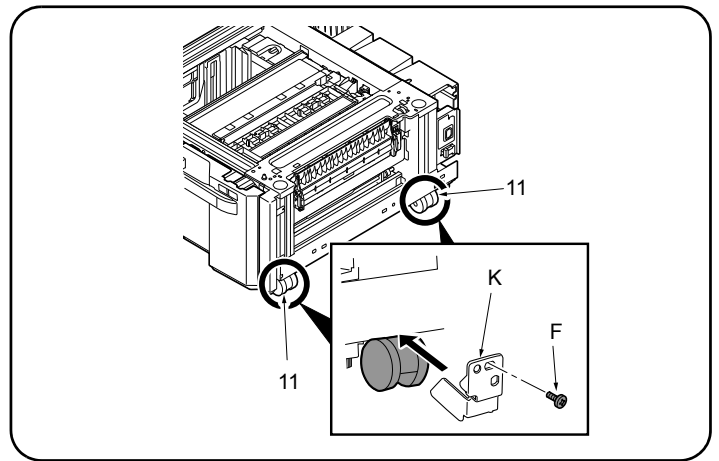
5. 나사 (8) 3 개와 나사 (10) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (4) 를 제거합니다.

PF-730 の場合

ビス (8) 3 本とビス (9) 1 本を外して、ペーパーフィーダーの右下カバー (4) を取り外す。

PF-740 の場合

5. ビス (8) 3 本とビス (10) 1 本を外して、ペーパーフィーダーの右下カバー (4) を取り外す。



6. Align the 2 paper feeder casters (11) in the direction shown in the illustration, and fasten each of them to stopper (K) using a screw (F).

7. Reinstall the paper feeder lower right cover (4).

8. Reinstall the paper feeder right cover (5).

6. Aligner les 2 roulettes (11) du bureau papier selon la direction indiquée sur l'illustration, et les fixer sur la butée (K) à l'aide d'une vis (F).

7. Reposer le capot inférieur droit du bureau papier (4).

8. Reposer le capot droit du bureau papier (5).

6. Alinee las 2 ruedas del alimentador de papel (11) en el sentido que se indica en la ilustración, y apriételas hasta llegar al tope (K) con un tornillo (F).

7. Reinstale la cubierta derecha inferior del alimentador de papel (4).

8. Reinstale la cubierta derecha del alimentador de papel (5).

6. Die 2 Laufrollen des Papiereinzugs (11) in der in der Abbildung angezeigten Richtung ausrichten und jede von ihnen mithilfe einer Schraube (F) am Anschlag (K) befestigen.

7. Bringen Sie die untere rechte Abdeckung (4) des Papiereinzugs wieder an.

8. Bringen Sie die rechte Abdeckung (5) des Papiereinzugs wieder an.

6. Allineare le ruote orientabili dell'unità di alimentazione della carta (11) nella direzione mostrata nell'illustrazione e stringere ognuno al fermo (K) con una vite (F).

7. Reinstallare il coperchio destro inferiore dell'unità di alimentazione carta (4).

8. Reinstallare il coperchio destro (5) dell'unità di alimentazione carta.

6. 将供纸工作台的 2 个脚轮 (11) 与图示方向对齐, 各使用 1 颗螺丝 (F) 来安装挡块 (K)。

7. 按原样安装供纸盒的右下部盖板 (4)。

8. 按原样安装供纸盒的右盖板 (5)。

6. 용지 급지대의 캐스터 (11) 2 개를 일러스트의 방향에 맞춰 각각 스톱퍼 (K) 를 나사 (F) 1 개로 장착합니다.

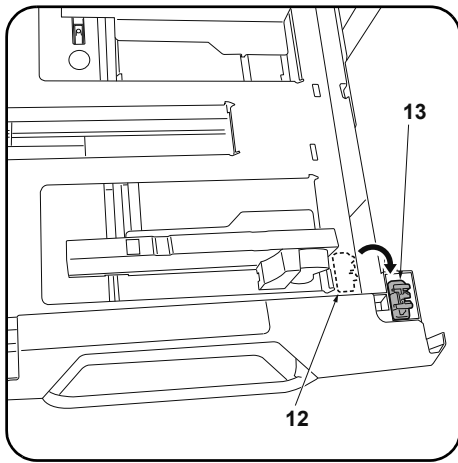
7. 용지 급지대의 우측 하단커버 (4) 를 원래대로 장착합니다.

8. 용지 급지대의 우측커버 (5) 를 원래대로 장착합니다.

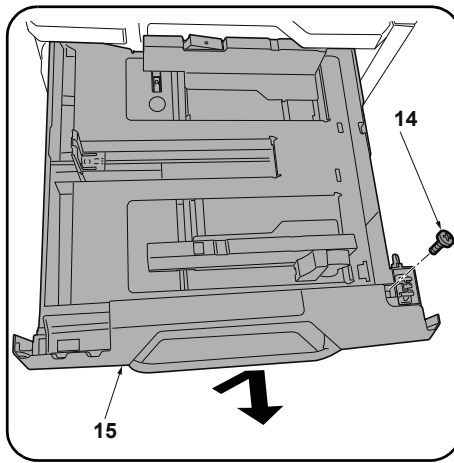
6. ペーパーフィーダーのキャスター(11)2 個をイラストの方向に合わせ、それぞれストッパー(K)をビス(F)1 本で取り付け。

7. ペーパーフィーダーの右下カバー(4) を元通り取り付け。

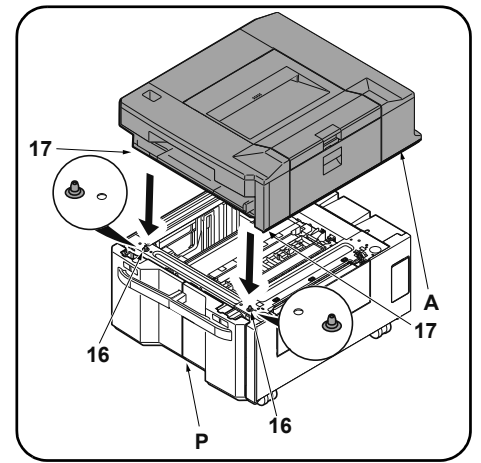
8. ペーパーフィーダーの右カバー(5) を元通り取り付け。



9. Pull out the cassette of the side multi-tray, remove a lift plate stopper (12) and attach it in the storage location (13).



10. Remove a pin (14) and remove the cassette (15) of the side multi-tray (A).



11. Place the side multi-tray on the paper feeder (P) so that each pin (16) on the right and left sides of the front of the paper feeder (P) matches with the holes (17) in the base of the side multi-tray (A).

9. Tirer la cassette du bac multiples usages latéral vers l'extérieur, retirer la butée de plaque d'élévation (12) et la fixer à l'emplacement de rangement (13).

10. Retirer la broche (14) et déposer la cassette (15) du bac multiples usages latéral (A).

11. Placer le bac multiples usages latéral sur le bureau papier (P) de sorte à aligner chacune des broches (16) situées sur les côtés droit et gauche du devant du bureau papier (P) avec les orifices (17) de la base du bac multiples usages latéral (A).

9. Saque el casete de la multi-bandeja lateral, quite el tope de placa de elevación (12) y póngalo en el espacio reservado para guardarlo (13).

10. Quite el pasador (14) y saque el casete (15) de la multi-bandeja lateral (A).

11. Coloque la multi-bandeja lateral sobre el alimentador de papel (P) de tal manera que los pasadores (16) que se encuentran a izquierda y derecha en la parte delantera del alimentador de papel (P) coincidan con los agujeros (17) que hay en la base de la multi-bandeja lateral (A).

9. Die Kasette aus dem seitlichen Mehrzweck-Papierfach herausziehen, den Hebelplattenanschlag (12) entfernen und an der Speicherposition (13) anbringen.

10. Den Stift (14) und die Kasette (15) des seitlichen Mehrzweck-Papierfachs (A) herausnehmen.

11. Das seitliche Mehrzweck-Papierfach auf dem Papiereinzug (P) so platzieren, dass jeder Stift (16) auf der linken und rechten Vorderseite des Papiereinzugs (P) mit den Öffnungen (17) am Boden des seitlichen Mehrzweck-Papierfachs (A) übereinstimmt.

9. Estrarre il cassetto del vassoio multiplo laterale, rimuovere il fermo della piastra di sollevamento (12) e collegarlo nella posizione di stoccaggio (13).

10. Rimuovere una puntina (14) e rimuovere la cassetta (15) del vassoio multiplo laterale (A).

11. Porre il vassoio multiplo laterale sull'unità di alimentazione della carta (P) in modo che ogni punta (16) a destra e sinistra davanti all'unità di alimentazione della carta (P) corrisponda i fori (17) nella base del vassoio multiplo laterale (A).

9. 拉出侧手送纸盘的纸盒, 拆除 1 个升降板挡块 (12) 并将其安装到保存场所 (13)。

10. 拆除 1 枚插销 (14), 拆下侧手送纸盘 (A) 的纸盒 (15)。

11. 将供纸工作台 (P) 左右前方的各插销 (16) 与侧手送纸盘 (A) 的底座孔 (17) 对齐, 将侧手送纸盘 (A) 放在供纸工作台 (P) 上。

9. 사이드 멀티 트레이 카세트를 빼 내고 리프트판 스톱퍼 (12) 1 개를 빼 내어 보관장소 (13) 에 장착합니다 .

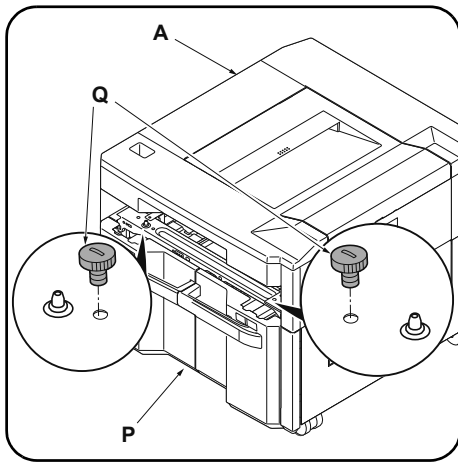
10. 핀 (14) 1 개를 떼어내 사이드 멀티 트레이 (A) 의 카세트 (15) 를 떼어 냅니다 .

11. 용지 급지대 (P) 의 좌우전방의 각 핀 (16) 과 사이드 멀티 트레이 (A) 의 베이스 구멍 (17) 이 맞도록 용지 급지대 (P) 에 사이드 멀티 트레이 (A) 를 얹습니다 .

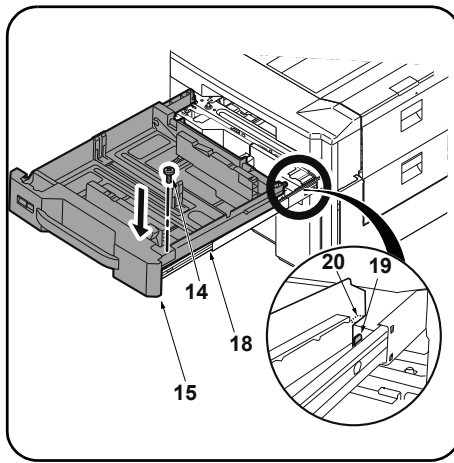
9. サイドマルチトレイのカセットを引き出し、リフト板ストッパー (12) 1 個を外して保管場所 (13) に取り付けます。

10. ピン (14) 1 本を外しサイドマルチトレイ (A) のカセット (15) を取り外す。

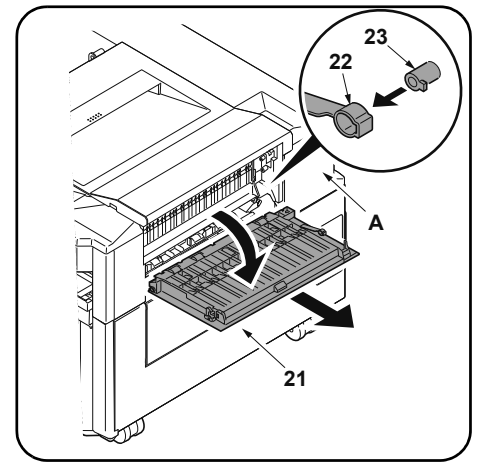
11. ペーパーフィーダー (P) の左右前方の各ピン (16) とサイドマルチトレイ (A) のベースの穴 (17) が合うように、ペーパーフィーダー (P) にサイドマルチトレイ (A) を載せる。



12. Attach side multi-tray (A) to paper feeder (P) using 2 pins (Q).



13. Pull out the cassette rail (18) of the side multi-tray (A).
 14. Mount the hooks (19) of the rail (18) to the hole (20) of the cassette (15), and replace the cassette (15).
 15. Fasten the cassette (15) using a pin (14) removed in step 10.



16. Open the right cover (21) of the side multi-tray (A).
 17. Remove the strap (22) from the right cover shaft (23) and remove the right cover (21).

12. Fixer le bac multiples usages latéral (A) au bureau papier (P) à l'aide de 2 broches (Q).

13. Tirer la glissière (18) de la cassette du bac multiples usages latéral (A) vers l'extérieur.
 14. Monter les crochets (19) de la glissière (18) dans les orifices (20) de la cassette (15), et remettre la cassette (15) en place.
 15. Fixer la cassette (15) à l'aide de la broche (14) déposée à l'étape 10.

16. Ouvrir le capot de droite (21) du bac multiples usages latéral (A).
 17. Déposer la courroie (22) de l'axe du capot droit (23) et déposer le capot droit (21).

12. Sujete la multi-bandeja lateral (A) al alimentador de papel (P) utilizando 2 pasadores (Q).

13. Saque el carril del casete (18) de la multi-bandeja lateral (A).
 14. Pase los ganchos (19) del carril (18) por el agujero (20) del casete (15) y sustituya el casete (15).
 15. Apriete el casete (15) con el pasador (14) que quitó en el paso 10.

16. Abra la cubierta derecha (21) de la multi-bandeja lateral (A).
 17. Quite la correa (22) del eje de la cubierta derecha (23) y quite la cubierta derecha (21).

12. Das seitliche Mehrzweck-Papierfach (A) mithilfe der 2 Stifte (Q) am Papiereinzug (P) befestigen.

13. Die Kassettenschiene (18) des seitlichen Mehrzweck-Papierfachs (A) herausziehen.
 14. Die Haken (19) der Schiene (18) an der Öffnung (20) der Kassette (15) montieren und die Kassette wieder anbringen (15).
 15. Die Kassette (15) mit dem in Schritt 10 entfernten Stift (14) befestigen.

16. Die rechte Abdeckung (21) des seitlichen Mehrzweck-Papierfachs (A) öffnen.
 17. Nehmen Sie den Riemen (22) von der Welle (23) der rechten Abdeckung und dann die rechte Abdeckung (21) ab.

12. Collegare il vassoio multiplo laterale (A) all'unità di alimentazione della carta (P) utilizzando 2 puntine (Q).

13. Estrarre la cassetta (18) dal vassoio multiplo laterale (A).
 14. Montare i ganci (19) della pista (18) al foro (20) della cassetta (15) e sostituire la cassetta (15).
 15. Stringere la cassetta (15) utilizzando una puntina (14) rimossa nel passo 10.

16. Aprire il pannello destro (21) del vassoio multiplo laterale (A).
 17. Rimuovere la cinghietta (22) dall'asta (23) del coperchio destro e quindi rimuovere il coperchio destro (21).

12. 使用 2 枚插销 (Q) 将侧手送纸盘 (A) 固定在供纸工作台 (P) 上。

13. 拉出侧手送纸盘 (A) 的纸盒导轨 (18)。
 14. 将导轨 (18) 的卡爪 (19) 插入纸盒 (15) 的孔 (20) 中, 按原样安装纸盒 (15)。
 15. 使用在步骤 10 中拆除的 1 枚插销 (14) 来固定纸盒 (15)。

16. 打开侧手送纸盘 (A) 的右部盖板 (21)。
 17. 从右盖板的轴 (23) 上拆除挂绳 (22), 拆下右盖板 (21)。

12. 핀 (Q) 2 개로 사이드 멀티 트레이 (A) 를 용지 급지대 (P) 에 고정합니다.

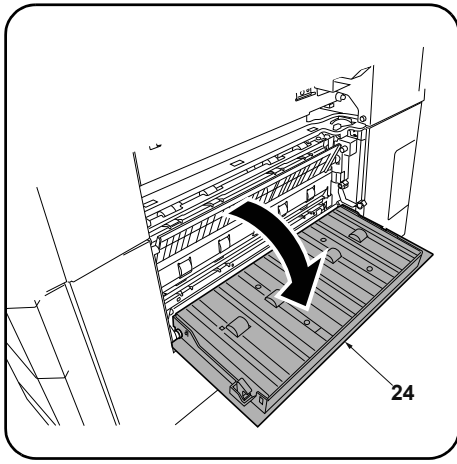
13. 사이드 멀티 트레이 (A) 의 카세트 레일 (18) 을 빼 냅니다.
 14. 레일 (18) 의 후크 (19) 를 카세트 (15) 의 구멍 (20) 에 끼우고 카세트 (15) 를 원래대로 장착합니다.
 15. 순서 10 에서 떼어낸 핀 (14) 1 개로 카세트 (15) 를 고정합니다.

16. 사이드 멀티 트레이 (A) 의 우측커버 (21) 를 엽니다.
 17. 스트랩 (22) 을 우측커버의 축 (23) 에서 떼어내고 우측커버 (21) 를 제거합니다.

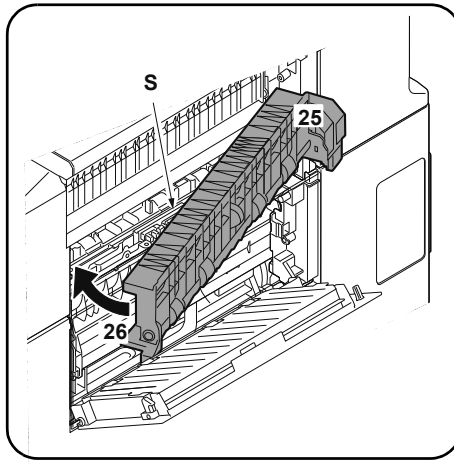
12. 핀 (Q) 2 本でサイドマルチトレイ (A) をペーパーフィーダー (P) に固定する。

13. サイドマルチトレイ (A) のカセットレール (18) を引き出す。
 14. レール (18) のフック (19) をカセット (15) の穴 (20) にはめ込み、カセット (15) を元通り取り付け。
 15. 手順 10 で外したピン (14) 1 本でカセット (15) を固定する。

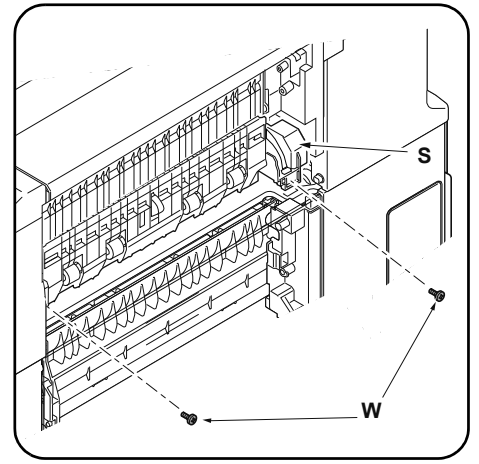
16. サイドマルチトレイ (A) の右カバー (21) を開く。
 17. ストラップ (22) を右カバーの軸 (23) から外し、右カバー (21) を取り外す。



18. Open the paper feeder right cover (24).



19. Insert the intermediate paper conveying unit (S) in order of 25 to 26 on the illustration.



20. Secure the intermediate paper conveying unit (S) with the 2 screws (W).

18. Ouvrir le couvercle droit du bureau papier (24).

19. Insérer l'unité de transport du papier intermédiaire (S) en suivant l'ordre 25 à 26 indiqué sur l'illustration.

20. Fixer l'unité de transport du papier intermédiaire (S) à l'aide des 2 vis (W).

18. Abra la cubierta derecha del alimentador de papel (24).

19. Inserte la unidad de transporte de papel intermedia (S) siguiendo el orden de 25 a 26 de la ilustración.

20. Asegure la unidad de transporte de papel intermedia (S) con los 2 tornillos (W).

18. Die rechte Abdeckung (24) des Papierinzugs öffnen.

19. Die eingesetzte Papierfördereinheit (S) in der in der Abbildung gezeigten Reihenfolge 25 bis 26 einbauen.

20. Die eingesetzte Papierfördereinheit (S) mit den 2 Schrauben (W) sichern.

18. Aprire il pannello destro (24) dell'unità di alimentazione della carta.

19. Inserire l'unità intermediale di trasporto carta (S) da 25 a 26 sull'illustrazione.

20. Fissare l'unità intermediale di trasporto carta (S) con le 2 viti (W).

18. 打开供纸盒的右部盖板 (24)。

19. 将中间搬运单元 (S) 按如图所示先插入 25, 再插到 26。

20. 使用 2 颗螺丝 (W) 来固定中间搬运单元 (S)。

18. 금지대 우측커버 (24) 를 엽니다 .

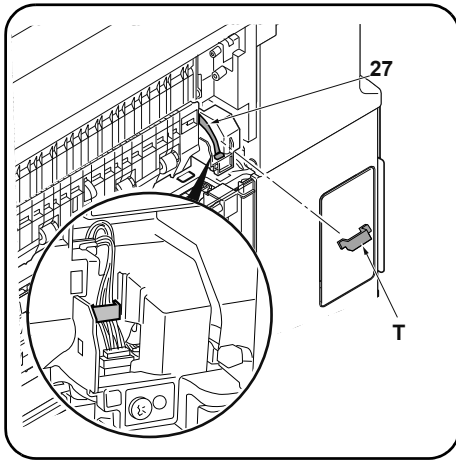
19. 중간반송 유닛 (S) 를 일러스트 와 같이 25, 26 의 순으로 삽입합니다 .

20. 나사 (W) 2 개로 중간반송유닛 (S) 를 고정합니다 .

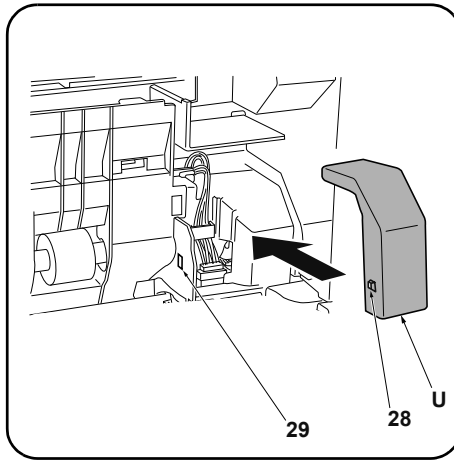
18. ペーパーフィーダーの右カバー(24)を開く。

19. 中間搬送ユニット(S)をイラストのように 25 から 26 の順で挿入する。

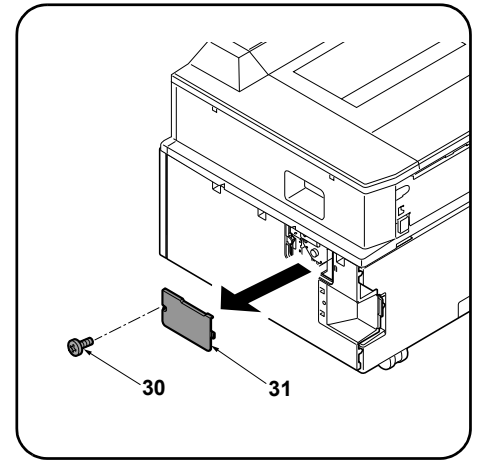
20. ビス (W) 2 本で中間搬送ユニット (S) を固定する。



21. Connect the intermediate paper conveying unit connector (27).
22. Attach the clamp (T) and secure the connector wire.



23. Insert the projection (28) of the wire cover (U) into the hole (29) in the intermediate paper conveying unit, and attach the wire cover (U).
24. Replace the right cover (21) of the side multi-tray (A).
25. Close the right cover of the paper feeder (24).



26. Remove the screw (30) in the rear of the paper feeder and remove the cover (31).

21. Raccorder le connecteur (27) de l'unité de transport du papier intermédiaire.
22. Monter le collier (T) et fixer le câble du connecteur.

23. Insérer la saillie (28) du couvercle de câble (U) dans l'orifice (29) de l'unité de transport du papier intermédiaire, et fixer le couvercle de câble (U).
24. Remettre le capot de droite (21) du bac multiples usages latéral (A) en place.
25. Fermer le capot de droite du bureau papier (24).

26. Déposer la vis (30) à l'arrière du bureau papier et déposer le couvercle (31).

21. Conecte el conector de la unidad de transporte de papel intermedia (27).
22. Fije el sujetador (T) y asegure el cable del conector.

23. Introduzca el resalto (28) de la cubierta para el cable (U) por el agujero (29) de la unidad de transporte de papel intermedia y sujete la cubierta para el cable (U).
24. Sustituya la cubierta derecha (21) de la multi-bandeja lateral (A).
25. Cierre la cubierta derecha del alimentador de papel (24).

26. Quite el tornillo (30) del lado trasero del alimentador de papel y quite la cubierta (31).

21. Den Steckverbinder (27) der eingesetzten Papierfördereinheit anschließen.
22. Die Klemme (T) anbringen und das Kabel des Steckverbinders sichern.

23. Die Nase (28) der Kabelabdeckung (U) in die Öffnung (29) in der eingesetzten Papierfördereinheit einsetzen und die Kabelabdeckung (U) befestigen.
24. Die rechte Abdeckung (21) des seitlichen Mehrzweck-Papierfachs (A) wieder anbringen.
25. Die rechte Abdeckung des Papiereinzugs (24) schließen.

26. Die Schraube (30) an der Rückseite des Papiereinzugs entfernen und die Abdeckung (31) abnehmen.

21. Collegare il connettore (27) dell'unità intermediale di trasporto carta.
22. Applicare il morsetto (T) e fissare il cavo del connettore.

23. Inserire la proiezione (28) del coperchio cavi (U) nel foro (29) dell'unità intermediale di trasporto carta e collegare il coperchio cavi (U).
24. Sostituire il pannello destro (21) del vassoio multiplo laterale (A).
25. Chiudere il pannello destro dell'unità di alimentazione della carta (24).

26. Rimuovere la vite (30) nel retro dell'unità di alimentazione della carta e quindi rimuovere il coperchio (31).

21. 连接中间搬运单元的接插件 (27)。
22. 安装夹钳 (T)，以固定接插件电线。

23. 将电线盖板 (U) 的突起 (28) 插入中间搬运单元的孔 (29) 中，安装电线盖板 (U)。
24. 按原样安装侧手送纸盘 (A) 的右部盖板 (21)。
25. 关闭供纸工作台的右部盖板 (24)。

26. 拆除供纸盒后部的 1 颗螺丝 (30)，拆下盖板 (31)。

21. 중간반송유니트의 커넥터 (27) 를 접속합니다.
22. 클램프 (T) 를 부착, 커넥터 전선을 고정합니다.

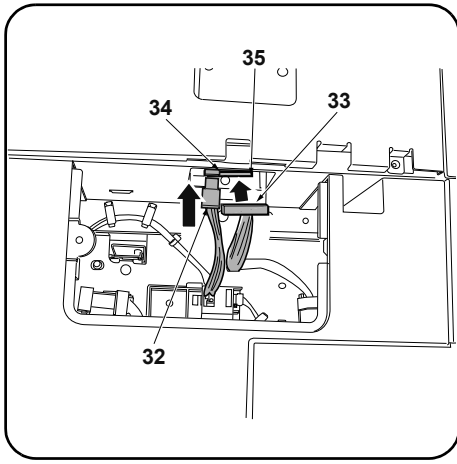
23. 전선커버 (U) 의 돌기 (28) 를 중간반송유니트의 구멍 (29) 에 넣고 전선커버 (U) 를 장착합니다.
24. 사이드 멀티 트레이 (A) 의 우측커버 (21) 를 원래대로 장착합니다.
25. 용지 금지대의 우측커버 (24) 를 닫습니다.

26. 금지대 후면의 뒤쪽 나사 (30) 1 개를 제거하고 커버 (31) 를 떼어 냅니다.

21. 中間搬送ユニットのコネクター(27) を接続する。
22. クランプ (T) を取り付け、コネクター電線を固定する。

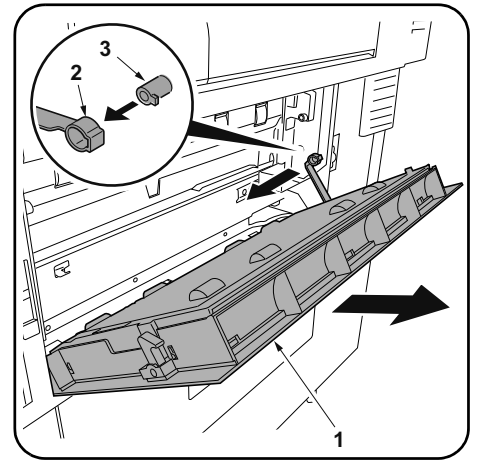
23. 電線カバー (U) の突起 (28) を中間搬送ユニットの穴 (29) に入れて、電線カバー (U) を取り付ける。
24. サイドマルチトレイ (A) の右カバー (21) を元通りに取り付ける。
25. ペーパーフィーダーの右カバー (24) を閉じる。

26. ペーパーフィーダー後側のビス (30) 1 本を外し、カバー (31) を取り外す。



27. Connect the power cord (32) and the signal cable (33) to connectors (34) (35) respectively on the Side multi-tray.

28. Replace the cover (31) using the screw (30) removed in step 26.



[Connecting the side feeder to the MFP]
Installation on medium-speed MFPs

If installing on a high-speed MFP, proceed to step 13.

1. Open the lower right cover (1) on the MFP. Remove the strap (2) from the shaft (3) and remove lower right cover (1).

27. Raccorder respectivement le cordon d'alimentation (32) et le câble à signal (33) aux connecteurs (34) (35) du Bac multiples usages latéral.

28. Reposer le couvercle (31) à l'aide de la vis (30) déposée à l'étape 26.

[Connexion du plateau d'alimentation latéral au MFP]

Montage sur des MFP à vitesse moyenne

Si le montage est fait sur un MFP à grande vitesse, passer à l'étape 13.

1. Ouvrir le couvercle inférieur droit (1) du MFP. Déposer la courroie (2) de l'arbre (3) et déposer le couvercle inférieur droit (1).

27. Conecte el cable de alimentación (32) y el cable de señales (33) a los conectores (34) (35) del Multi-bandeja lateral, respectivamente.

28. Vuelva a colocar la cubierta (31) usando el tornillo (30) quitado en el paso 26.

[Conexión del alimentador lateral a la MFP]
Instalación en las MFP de velocidad media

Si se instala en una MFP de alta velocidad, vaya al paso 13.

1. Abra la cubierta frontal inferior (1) del MFP. Quite la correa (2) del eje (3) y quite la cubierta frontal inferior (1).

27. Das Netzkabel (32) und das Signalkabel (33) an den entsprechenden Steckverbindern (34) (35) des Seitlichen Mehrzweck-Papierfach anschließen.

28. Die Abdeckung (31) mittels der in Schritt 26 entfernten Schraube (30) wieder anbringen.

[Anschluß des seitlichen Einzugs am MFP]

Installation an MFP der mittleren Leistungsklasse

Gehen Sie zur Installation an einem MFP der Hochleistungsklasse weiter zu Schritt 13.

1. Die untere rechte Abdeckung (1) am MFP öffnen. Den Riemen (2) von der Welle (3) abnehmen und dann die untere rechte Abdeckung (1) abnehmen.

27. Collegare il cavo di alimentazione (32) e il cavo del segnale (33) rispettivamente ai connettori (34) e (35) sull'vassoio multiplo laterale.

28. Ricollocare il coperchio (31) utilizzando la vite (30) rimossa nel passo 26.

[Collegare l'unità di alimentazione laterale all'MFP]

Installazione sulle MFP a velocità media

Se si installa su una MFP a velocità alta, procedere al passo 13.

1. Aprire il coperchio destro inferiore (1) sull'MFP. Rimuovere la cinghietta (2) dall'asta (3) e quindi rimuovere il coperchio destro inferiore (1).

27. 将 AC 电线 (32) 以及信号线 (33) 分别与侧手送纸盘的接插件 (34)、(35) 连接。

28. 使用在步骤 26 中拆除的 1 颗螺丝 (30) 按原样安装盖板 (31)。

[侧供纸盒与 MFP 主机的连接]

安装于中速 MFP 上时

安装于高速 MFP 上时, 进至步骤 13。

1. 打开 MFP 主机的右下部盖板 (1)。将带子 (2) 从轴 (3) 上拆除, 拆下右下部盖板 (1)。

27. AC 전선 (32) 및 신호선 (33) 을 사이드 멀티 트레이체 커넥터 (34), (35) 에 각각 접속합니다.

28. 순서 26 에서 제거한 나사 (30) 1 개로 커버 (31) 를 원래대로 부착합니다.

[사이드 피더와 MFP 본체의 접속]

중속 MFP 에 설치하는 경우

고속 MFP 에 설치하는 경우에는 순서 13 로 진행합니다.

1. MFP 본체의 오른쪽 아래 커버 (1) 를 엽니다. 스트랩 (2) 를 축 (3) 에서 떼어내 오른쪽 아래 커버 (1) 를 제거합니다.

27. AC 電線 (32) および信号線 (33) をサイドマルチトレイのコネクター (34)、(35) にそれぞれ接続する。

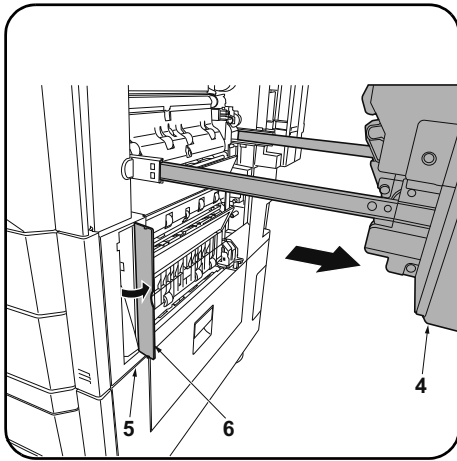
28. 手順 26 で取り外したビス (30) 1 本でカバー (31) を元通りに取り付ける。

[サイドフィーダーと MFP 本体の接続]

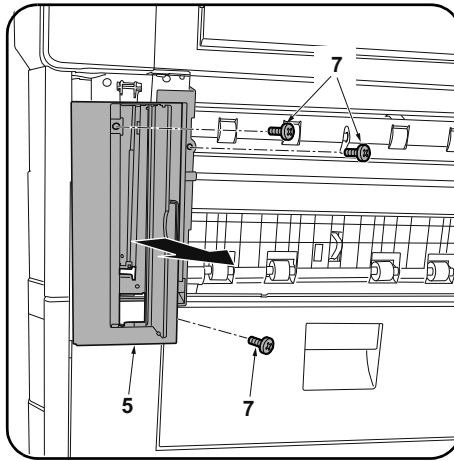
中速 MFP に設置の場合

高速 MFP に設置の場合は手順 13 に進む。

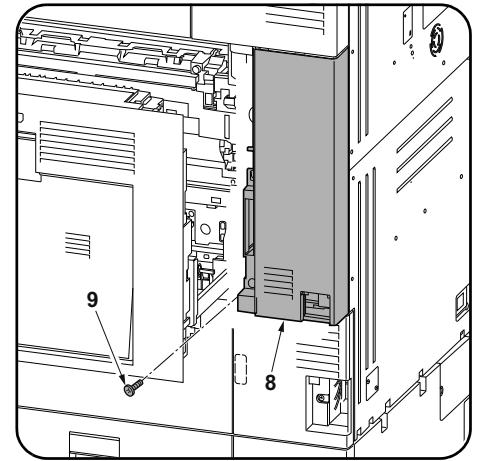
1. MFP 本体の右下カバー (1) を開く。ストラップ (2) を軸 (3) から外し、右下カバー (1) を取り外す。



2. Open the MFP paper conveying cover (4).
3. Open the panel (6) on the MFP front right cover (5).



4. Remove 3 screws (7) and remove the front right cover (5).



5. Remove a screw (9) from the middle right rear cover (8).

2. Ouvrir le capot du transport du papier du MFP (4).
3. Ouvrir le panneau (6) sur le capot avant droit du MFP (5).

4. Déposer les 3 vis (7) et déposer le capot avant droit (5).

5. Déposer la vis (9) du capot arrière droit médian (8).

2. Abra la cubierta de transporte del papel del MFP (4).
3. Abra el panel (6) en la cubierta delantera derecha (5).

4. Quite los 3 tornillos (7) y quite la cubierta delantera derecha (5).

5. Quite el tornillo (9) de la cubierta trasera central (8).

2. Öffnen Sie die Papierförderabdeckung (4) des MFP.
3. Öffnen Sie die Platte (6) der vorderen rechten Abdeckung (5) des MFP.

4. Entfernen Sie 3 Schrauben (7) und nehmen Sie die vordere rechte Abdeckung (5) ab.

5. Entfernen Sie eine Schraube (9) von der mittleren rechten hinteren Abdeckung (8).

2. Aprire il coperchio (4) dell'unità di trasporto carta dell'MFP.
3. Aprire il pannello (6) sul coperchio destro anteriore (5) dell'MFP.

4. Rimuovere le 3 viti (7), e quindi rimuovere il coperchio destro posteriore (5).

5. Rimuovere la vite (9) dal coperchio posteriore centrale destro (8).

2. 打开 MFP 主机的供纸盖板 (4)。
3. 打开 MFP 主机的右前部盖板 (5) 的盖子 (6)。

4. 拆除 3 颗螺丝 (7)，拆下右前部盖板 (5)。

5. 拆除右中后部盖板 (8) 的 1 颗螺丝 (9)。

2. MFP 本体の搬送カバー (4) を開く。
3. MFP 本体の右前カバー (5) のふた (6) を開く。

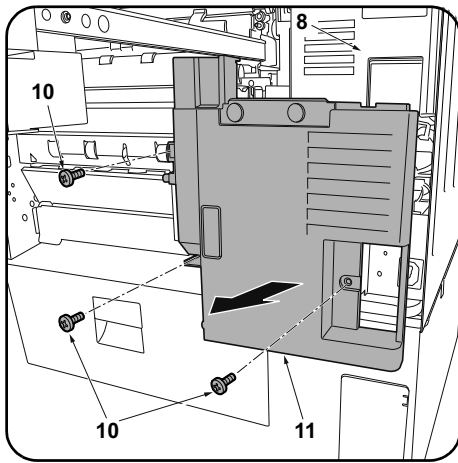
4. ナス (7) 3 本を 제거하고 우측 전면커버 (5) 를 떼어 냅니다.

5. 우측 중간 뒷커버 (8) 의 나사 (9) 1 개를 제거합니다.

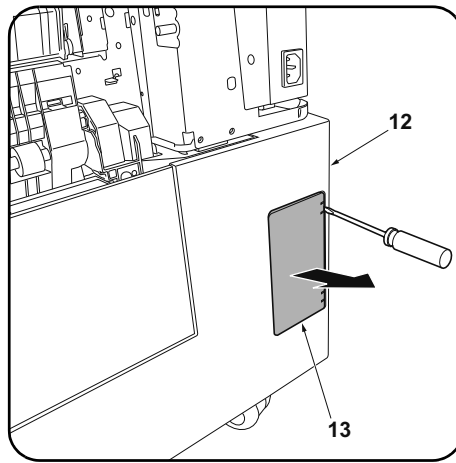
2. MFP 本体の搬送カバー (4) を開く。
3. MFP 本体の右前カバー (5) のふた (6) を開く。

4. ビス (7) 3 本を外し、右前カバー (5) を取り外す。

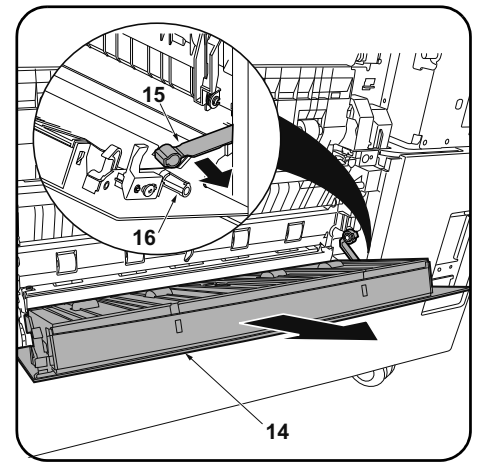
5. 右中後カバー (8) のビス (9) 1 本を外す。



6. Remove 3 screws (10), then lift the bottom of the middle right rear cover (8) and remove the lower right rear cover (11).



7. Remove the panel (13) from the lower right cover (12) on the paper feeder using a flat blade screwdriver.



8. Open the paper feeder right cover (14). Remove the strap (15) from the right cover shaft (16) and remove the right cover (14).

6. Déposer les 3 vis (10) puis lever le bas du capot arrière droit médian (8) pour déposer le capot arrière droit inférieur (11).

7. Déposer le panneau (13) du capot inférieur droit (12) du bureau papier en procédant à l'aide d'un tournevis à lame.

8. Ouvrir le couvercle droit du bureau papier (14). Déposer la courroie (15) de l'axe du capot droit (16) et déposer le capot droit (14).

6. Quite los 3 tornillos (10), luego levante la parte inferior de la cubierta trasera central derecha (8) y quite la cubierta trasera inferior derecha (11).

7. Quite el panel (13) de la cubierta derecha inferior (12) del alimentador de papel con un destornillador de pala plana.

8. Abra la cubierta derecha del alimentador de papel (14). Quite la correa (15) del eje de la cubierta derecha (16) y quite la cubierta derecha (14).

6. Entfernen Sie 3 Schrauben (10), heben Sie die mittlere rechte hintere Abdeckung (8) von unten her an und nehmen Sie die untere rechte hintere Abdeckung (11) ab.

7. Nehmen Sie mit einem flachen Schraubendreher die Platte (13) von der unteren rechten Abdeckung (12) des Papiereinzugs ab.

8. Die rechte Abdeckung (14) des Papiereinzugs öffnen. Nehmen Sie den Riemen (15) von der Welle (16) der rechten Abdeckung und dann die rechte Abdeckung (14) ab.

6. Rimuovere le 3 viti (10), quindi sollevare la parte in basso del coperchio posteriore centrale destro (8) e rimuovere il coperchio posteriore inferiore destro (11).

7. Rimuovere il pannello (13) dal coperchio destro inferiore (12) sull'unità di alimentazione carta utilizzando un cacciavite a testa piana.

8. Aprire il coperchio destro (14) dell'unità di alimentazione della carta. Rimuovere la cinghietta (15) dall'asta (16) del coperchio destro e quindi rimuovere il coperchio destro (14).

6. 拆除 3 顆螺絲 (10)，抬起右中後部蓋板 (8) 的下部，拆下右下後部蓋板 (11)。

7. 使用一字螺絲刀等將供紙盒的右下部蓋板 (12) 的蓋子 (13) 拆下。

8. 打開供紙盒的右部蓋板 (14)。從右蓋板的軸 (16) 上拆除掛繩 (15)，拆下右蓋板 (14)。

6. 나사 (10) 3 개를 제거하고 우측 하단 뒷커버 (8) 의 하측을 올리고 우측 중간 뒷커버 (11) 를 제거합니다 .

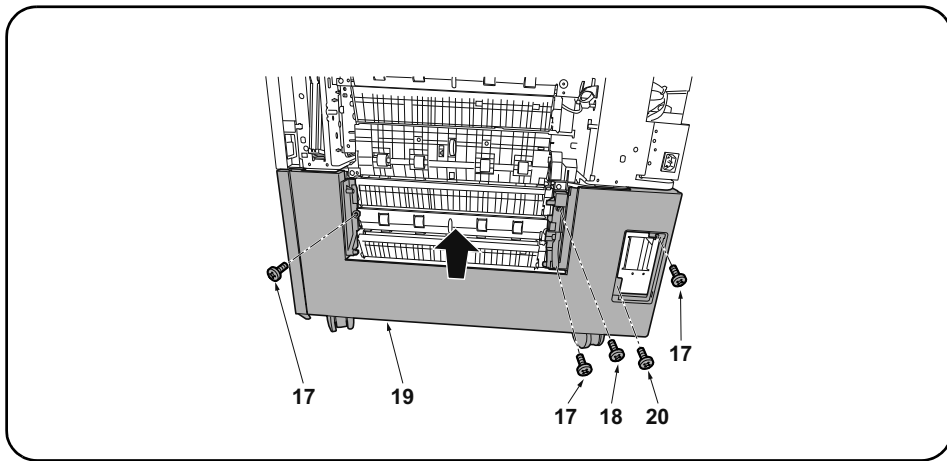
7. 용지 급지대의 우측 하단커버 (12) 의 뚜껑 (13) 을 마이너스 드라이버 등으로 떼어 냅니다 .

8. 급지대 우측커버 (14) 를 엽니다 . 스트랩 (15) 을 우측커버의 축 (16) 에서 떼어 내고 우측커버 (14) 를 제거합니다 .

6. 비스 (10) 3 본を外し、右中後カバー(8) の下側を持ち上げて、右下後カバー(11) を取り外す。

7. ペーパーフィーダーの右下カバー(12) のふた (13) をマイナスドライバーなどで取る。

8. ペーパーフィーダーの右カバー(14) を開く。ストラップ (15) を右カバーの軸 (16) から外し、右カバー(14) を取り外す。

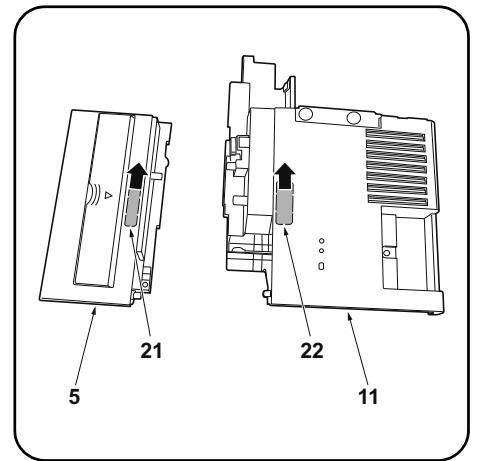


For PF-730

9. Remove 3 screws (17) and a screw (18) and remove the paper feeder lower right cover (19).

For PF-740

9. Remove 3 screws (17) and a screw (20) and remove the paper feeder lower right cover (19).



10. Remove the breakaway cover (21) from the front right cover (5) and the breakaway cover (22) from the lower right rear cover (11).

Pour PF-730

9. Déposer les 3 vis (17) et la vis (18) puis déposer le capot inférieur droit du bureau papier (19).

Pour PF-740

9. Déposer les 3 vis (17) et la vis (20) puis déposer le capot inférieur droit du bureau papier (19).

10. Déposer le couvercle amovible (21) du capot avant droit (5) et le couvercle amovible (22) du capot arrière inférieur droit (11).

Para PF-730

9. Quite los 3 tornillos (17) y el tornillo (18) y quite la cubierta derecha inferior del alimentador de papel (19).

Para PF-740

9. Quite los 3 tornillos (17) y el tornillo (20) y quite la cubierta derecha inferior del alimentador de papel (19).

10. Quite la cubierta divisoria (21) de la cubierta delantera derecha (5) y la cubierta divisoria (22) de la cubierta trasera inferior derecha (11).

Für PF-730

9. Entfernen Sie 3 Schrauben (17) und eine Schraube (18) und nehmen Sie die untere rechte Abdeckung (19) des Papiereinzugs ab.

Für PF-740

9. Entfernen Sie 3 Schrauben (17) und eine Schraube (20) und nehmen Sie die untere rechte Abdeckung (19) des Papiereinzugs ab.

10. Nehmen Sie die Ablösungsabdeckung (21) von der vorderen rechten Abdeckung (5) ab und die Ablösungsabdeckung (22) von der unteren rechten hinteren Abdeckung (11).

Per PF-730

9. Rimuovere le 3 viti (17) e una vite (18), e quindi rimuovere il coperchio destro inferiore (19) dell'unità di alimentazione carta.

Per PF-740

9. Rimuovere le 3 viti (17) e una vite (20), e quindi rimuovere il coperchio destro inferiore (19) dell'unità di alimentazione carta.

10. Rimuovere il coperchio di distacco (21) dal coperchio destro anteriore (5), e il coperchio di distacco (22) dal coperchio posteriore inferiore destro (11).

PF-730 时

9. 拆除 3 顆螺丝 (17) 和 1 顆螺丝 (18), 拆下供紙盒的右下部盖板 (19)。

PF-740 时

9. 拆除 3 顆螺丝 (17) 和 1 顆螺丝 (20), 拆下供紙盒的右下部盖板 (19)。

10. 切除右前部盖板 (5) 的切割盖板 (21) 和右下后部盖板 (11) 的切割盖板 (22)。

PF-730 의 경우

9. 나사 (17) 3 개와 나사 (18) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (19) 를 제거합니다 .

PF-740 의 경우

9. 나사 (17) 3 개와 나사 (20) 1 개를 제거하고, 용지 급지대의 우측 하단커버 (19) 를 제거합니다 .

10. 우측 전면커버 (5) 의 분할커버 (21) 와 오른쪽 하단 뒷커버 (11) 의 분할커버 (22) 를 떼어 냅니다 .

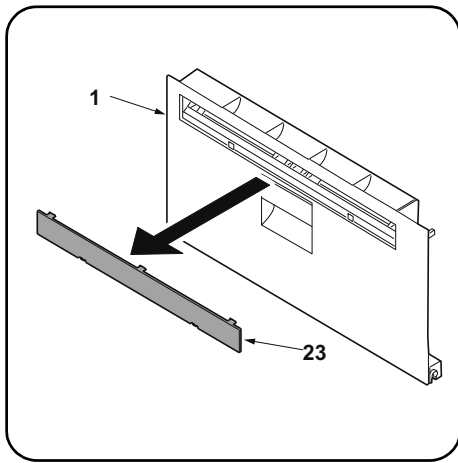
PF-730 の場合

9. ビス (17) 3 本とビス (18) 1 本を外して、ペーパーフィーダーの右下カバー (19) を取り外す。

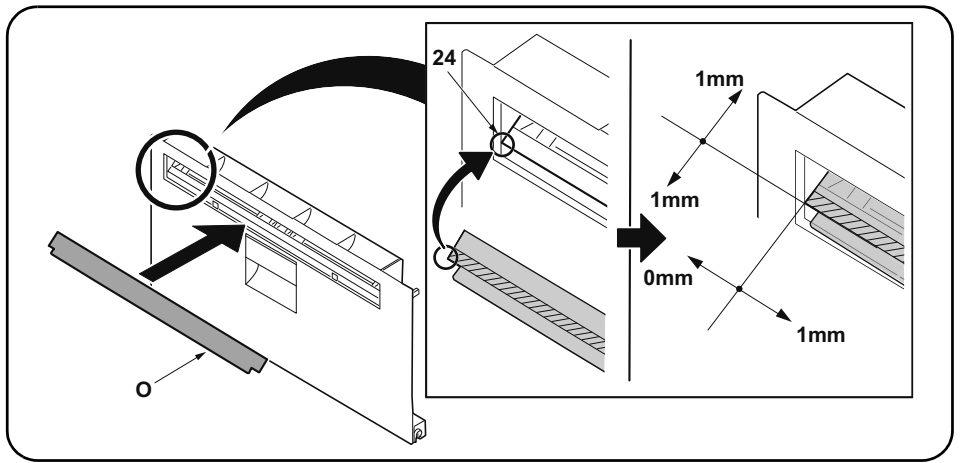
PF-740 の場合

9. ビス (17) 3 本とビス (20) 1 本を外して、ペーパーフィーダーの右下カバー (19) を取り外す。

10. 右前カバー (5) の割りカバー (21) と右下後カバー (11) の割りカバー (22) を切り取る。



11. Remove the panel (23) from the MFP lower right cover (1) with a flat blade screwdriver.



12. After using alcohol to clean place adhering the film, adhere the film (O) in the position (24) indicated in the illustration. Proceed to step 25.

11. Déposer le panneau (23) du capot inférieur droit du MFP (1) en procédant à l'aide d'un tournevis à lame.

12. Coller le film (O) sur l'emplacement (24) indiqué dans l'illustration, après avoir soigneusement nettoyé cet emplacement à l'alcool. Passer à l'étape 25.

11. Extraiga el panel (23) de la cubierta derecha inferior del MFP (1) con un destornillador de pala plana.

12. Después de utilizar alcohol para limpiar la zona donde se va a pegar la película, pegue la película (O) en el lugar (24) que se indica en la ilustración. Vaya al paso 25.

11. Nehmen Sie mit einem flachen Schraubendreher die Platte (23) von der unteren rechten Abdeckung (1) des MFP ab.

12. Zum Anbringen des Films (O) die Stelle zuvor mit Alkohol reinigen und den Film (O) dann in der in der Abbildung angegebenen Position (24) anbringen. Gehen Sie weiter zu Schritt 25.

11. Rimuovere il pannello (23) dal coperchio destro inferiore (1) dell'MFP con un cacciavite a testa piana.

12. Dopo aver utilizzato alcol per pulire la piastra che aderisce alla pellicola, far aderire la pellicola (O) nella posizione (24) indicata nell'illustrazione. Procedere al passo 25.

11. 使用一字螺丝刀将 MFP 主机的右下部盖板 (1) 的盖子 (23) 拆下。

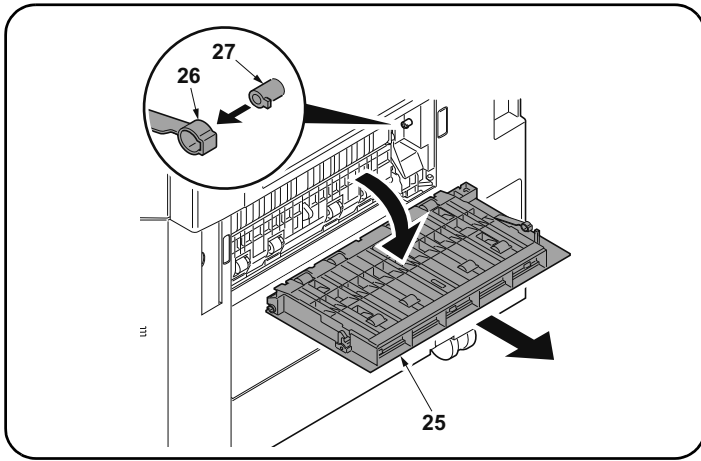
12. 使用酒精对薄膜粘贴位置进行清洁后, 按插图位置 (24) 粘贴薄膜 (O)。进至步骤 25。

11. MFP 본체의 우측 뒷커버 (1) 의 뚜껑 (23) 을 마이너스 드라이버로 제거합니다 .

12. 필름 부착위치를 알코올 청소 후, 일러스트의 위치 (24) 에 맞춰 필름 (O) 을 부착합니다 . 순서 25 로 진행합니다 .

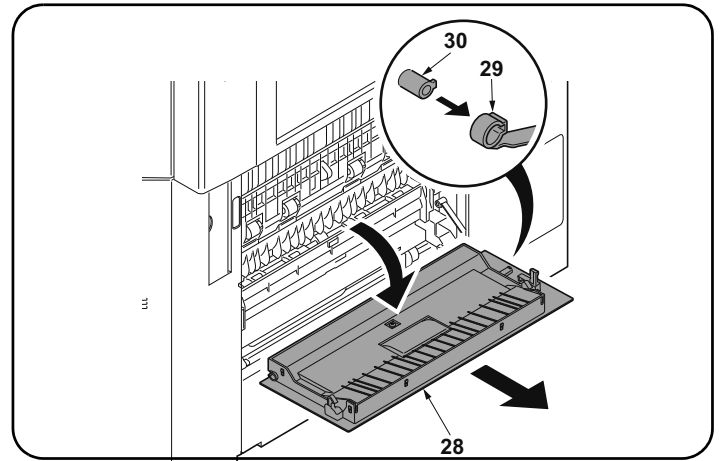
11. MFP 本体の右下カバー(1) のふた (23) をマイナスドライバーで取り外す。

12. フィルム貼り付け位置をアルコール清掃後、イラストの位置 (24) にあわせて、フィルム (O) を貼り付ける。手順 25 に進む。



Installation on high-speed MFPs

13. Open the right cover 1 (25) on the MFP.
Remove the strap (26) from the shaft (27) and remove right cover 1 (25).



14. Open the right cover 2 (28) on the MFP.
Remove the strap (29) from the right cover shaft (30) and remove the right cover 2 (28).

Montage sur des MFP à grande vitesse

13. Ouvrir le capot droit 1 (25) du MFP.
Déposer la courroie (26) de l'arbre (27) et déposer le capot droit 1 (25).

14. Ouvrir le capot droit 2 (28) du MFP.
Déposer la courroie (29) de l'axe du capot droit (30) et déposer le capot droit 2 (28).

Instalación en las MFP de alta velocidad

13. Abra la cubierta derecha 1 (25) del MFP.
Quite la correa (26) del eje (27) y quite la cubierta derecha 1 (25).

14. Abra la cubierta derecha 2 (28) del MFP.
Quite la correa (29) del eje de la cubierta derecha (30) y quite la cubierta derecha 2 (28).

Installation an MFP der Hochleistungsklasse

13. Die rechte Abdeckung 1 (25) am MFP öffnen.
Den Riemen (26) von der Welle (27) abnehmen und dann die rechte Abdeckung 1 (25) abnehmen.

14. Die rechte Abdeckung 2 (28) am MFP öffnen.
Nehmen Sie den Riemen (29) von der Welle (30) der rechten Abdeckung und dann die rechte Abdeckung 2 (28) ab.

Installazione sulle MFP a velocità alta

13. Aprire il coperchio destro 1 (25) sull'MFP.
Rimuovere la cinghietta (26) dall'asta (27) e quindi rimuovere il coperchio destro 1 (25).

14. Aprire il coperchio destro 2 (28) sull'MFP.
Rimuovere la cinghietta (29) dall'asta (30) del coperchio destro e quindi rimuovere il coperchio destro 2 (28).

安装于高速 MFP 上时

13. 打开 MFP 主机的右部盖板 1 (25)。
将带子 (26) 从轴 (27) 上拆除，拆下右部盖板 1 (25)。

14. 打开 MFP 主机的右部盖板 2 (28)。
从右盖板的轴 (30) 上拆除挂绳 (29)，拆下右盖板 2 (28)。

고속 MFP 에 설치하는 경우

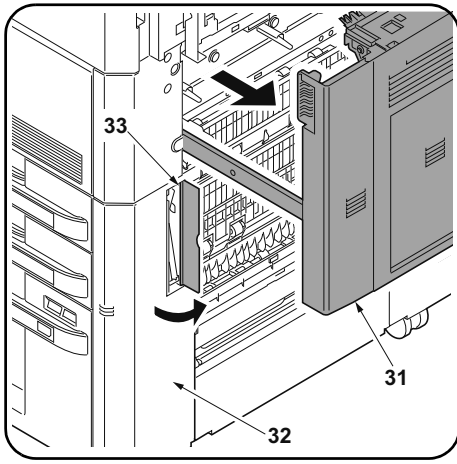
13. MFP 본체의 우측커버 1 (25) 를 엽니다 .
스트랩 (26) 를 축 (27) 에서 떼어내 우측커버 1 (25) 를 제거합니다 .

14. MFP 본체의 우측커버 2 (28) 를 엽니다 .
스트랩 (29) 을 우측커버의 축 (30) 에서 떼어내고 우측커버 2 (28) 를 제거합니다 .

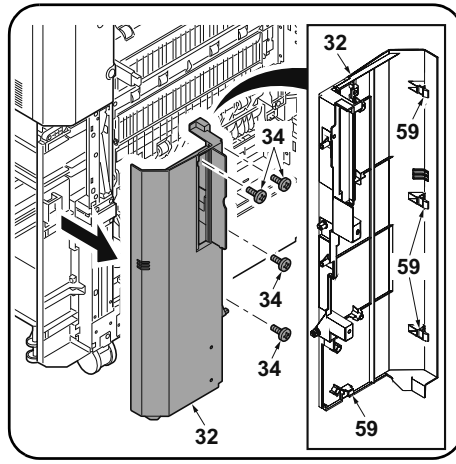
高速 MFP に設置の場合

13. MFP 本体の右カバー1 (25) を開く。
ストラップ (26) を軸 (27) から外し、右カバー1 (25) を取り外す。

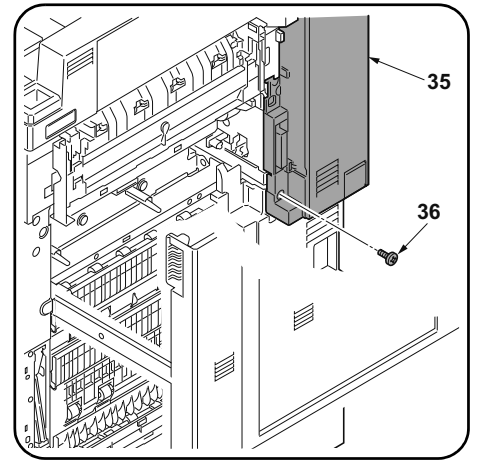
14. MFP 本体の右カバー2 (28) を開く。
ストラップ (29) を右カバーの軸 (30) から外し、右カバー2 (28) を取り外す。



15. Open the MFP paper conveying cover (31).
16. Open the panel (33) on the MFP front right cover (32).



17. Remove the 4 screws (34) and release the 4 hooks (59). Then remove the front right cover (32).



18. Remove a screw (36) from the middle right rear cover (35).

15. Ouvrir le capot du transport du papier du MFP (31).
16. Ouvrir le panneau (33) sur le capot avant droit du MFP (32).

17. Retirer les 4 vis (34) et libérer les 4 crochets (59). Retirer ensuite le capot avant droit (32).

18. Déposer la vis (36) du capot arrière droit médian (35).

15. Abra la cubierta de transporte del papel del MFP (31).
16. Abra el panel (33) en la cubierta delantera derecha (32).

17. Quite los 4 tornillos (34) y libere los 4 ganchos (59). Después, quite la cubierta frontal derecha (32).

18. Quite el tornillo (36) de la cubierta trasera central (35).

15. Öffnen Sie die Papierförderabdeckung (31) des MFP.
16. Öffnen Sie die Platte (33) der vorderen rechten Abdeckung (32) des MFP.

17. Entfernen Sie die 4 Schrauben (34) und lösen Sie die 4 Haken (59). Danach nehmen Sie die rechte vordere Abdeckung (32) ab.

18. Entfernen Sie eine Schraube (36) von der mittleren rechten hinteren Abdeckung (35).

15. Aprire il coperchio (31) dell'unità di trasporto carta dell'MFP.
16. Aprire il pannello (33) sul coperchio destro anteriore (32) dell'MFP.

17. Rimuovere le 4 viti (34) e rilasciare i 4 ganchi (59). Rimuovere quindi il coperchio anteriore destro (32).

18. Rimuovere la vite (36) dal coperchio posteriore centrale destro (35).

15. 打开 MFP 主机的供纸盖板 (31)。
16. 打开 MFP 主机的右前部盖板 (32) 的盖子 (33)。

17. 卸下 4 颗螺丝 (34) 并松开 4 个卡扣 (59)。然后卸下右前盖板 (32)。

18. 拆除右中后部盖板 (35) 的 1 颗螺丝 (36)。

15. MFP 본체의 반송커버 (31) 를 엽니다 .
16. MFP 본체의 우측 전면커버 (32) 의 뚜껑 (33) 을 엽니다 .

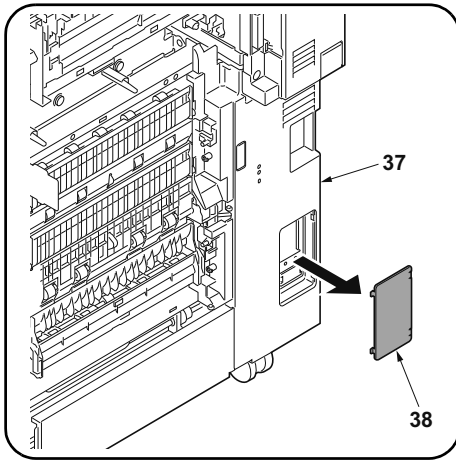
17. 나사 (34) 4 개를 제거하고 후크 (59) 4 개를 풀니다 . 그런 다음 우측 전면 커버 (32) 를 제거합니다 .

18. 우측 중간 뒷커버 (35) 의 나사 (36) 1 개를 제거합니다 .

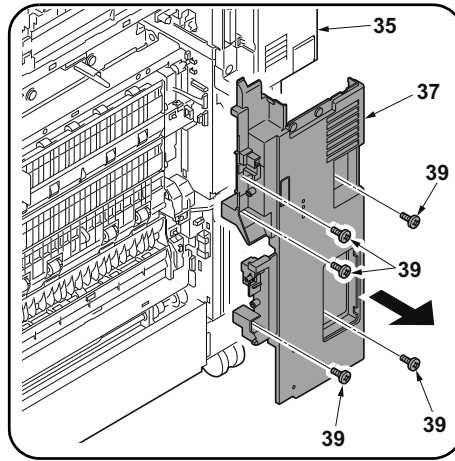
15. MFP 本体の搬送カバー (31) を開く。
16. MFP 本体の右前カバー (32) のふた (33) を開く。

17. ビス (34) 4 本およびフック (59) 4 箇所を外し、右前カバー (32) を取り外す。

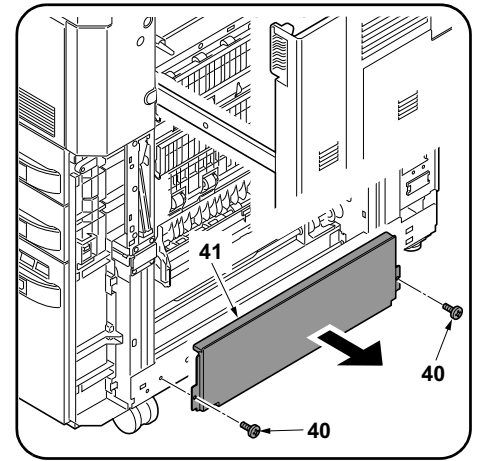
18. 右中後カバー (35) のビス (36) 1 本を外す。



19. Remove the panel (38) from the lower right rear cover (37) with a flat blade screwdriver.



20. Remove 5 screws (39), then lift the bottom of the middle right rear cover (35) and remove the lower right rear cover (37).



21. Remove 2 screws (40) and remove the lower right cover (41).

19. Déposer le panneau (38) du capot arrière inférieur droit (37) en procédant à l'aide d'un tournevis à lame.

20. Déposer les 5 vis (39) puis lever le bas du capot arrière droit médian (35) pour déposer le capot arrière droit inférieur (37).

21. Déposer les 2 vis (40) et déposer le capot inférieur droit (41).

19. Extraiga el panel (38) de la cubierta trasera inferior derecha (37) con un destornillador de pala plana.

20. Quite los 5 tornillos (39), luego levante la parte inferior de la cubierta trasera central derecha (35) y quite la cubierta trasera inferior derecha (37).

21. Quite los 2 tornillos (40) y quite la cubierta derecha inferior (41).

19. Nehmen Sie mit einem flachen Schraubendreher die Platte (38) von der unteren rechten hinteren Abdeckung (37) ab.

20. Entfernen Sie 5 Schrauben (39), heben Sie die mittlere rechte hintere Abdeckung (35) von unten her an und nehmen Sie die untere rechte hintere Abdeckung (37) ab.

21. Entfernen Sie 2 Schrauben (40) und nehmen Sie die untere rechte Abdeckung (41) ab.

19. Rimuovere il pannello (38) dal coperchio posteriore inferiore destro (37) con un cacciavite a testa piana.

20. Rimuovere le 5 viti (39), quindi sollevare la parte in basso del coperchio posteriore centrale destro (35) e rimuovere il coperchio posteriore inferiore destro (37).

21. Rimuovere le 2 viti (40), e quindi rimuovere il coperchio destro inferiore (41).

19. 用一字螺丝刀等取下右下盖板 (37) 的盖子 (38)。

20. 拆除 5 颗螺丝 (39)，抬起右中后部盖板 (35) 的下部，拆下右下后部盖板 (37)。

21. 拆除 2 颗螺丝 (40)，拆下右下后部盖板 (41)。

19. 우측 아래뒷면 커버 (37) 의 뚜껑 (38) 을 마이너스 드라이버 등으로 푼니다.

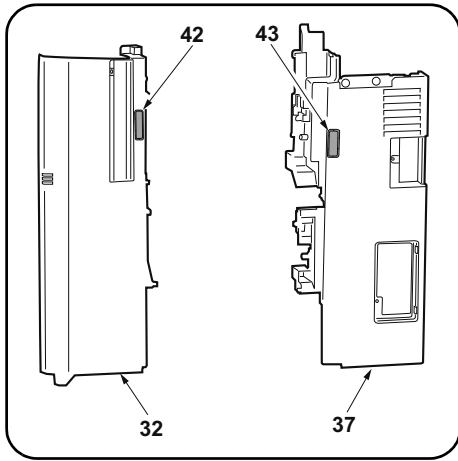
20. 나사 (39) 5 개를 제거하고 우측 하단 뒷커버 (35) 의 하측을 올리고 우측 중간 뒷커버 (37) 를 제거합니다.

21. 나사 (40) 2 개를 제거하고 우측 하단커버 (41) 를 떼어 냅니다.

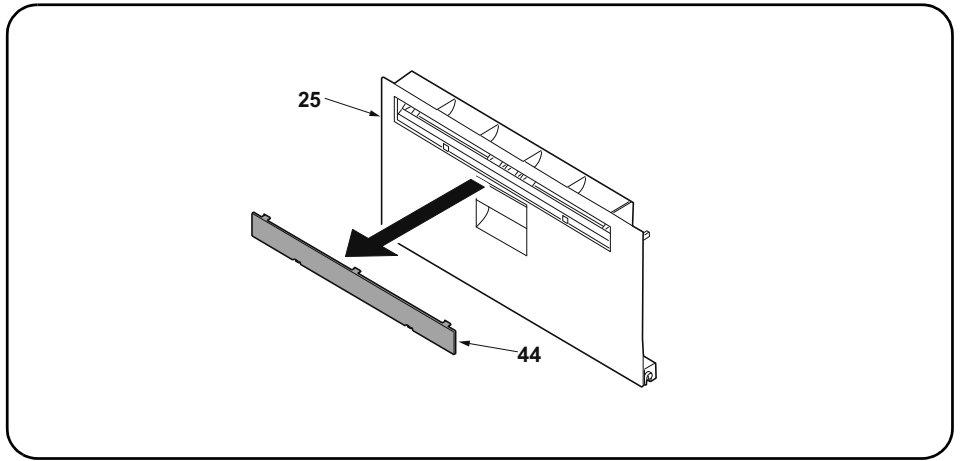
19. 右下後カバー(37) のふた(38)をマイナスドライバーなどで取る。

20. ビス(39)5本を外し、右中後カバー(35)の下側を持ち上げて、右下後カバー(37)を取り外す。

21. ビス(40)2本を外して、右下カバー(41)を取り外す。



22. Remove the breakaway cover (42) from the front right cover (32) and the breakaway cover (43) from the lower right rear cover (37).



23. Remove the panel (44) from the MFP right cover 1 (25) with a flat blade screwdriver.

22. Déposer le couvercle amovible (42) du capot avant droit (32) et le couvercle amovible (43) du capot arrière inférieur droit (37).

23. Déposer le panneau (44) du capot droit 1 du MFP (25) en procédant à l'aide d'un tournevis à lame.

22. Quite la cubierta divisoria (42) de la cubierta delantera derecha (32) y la cubierta divisoria (43) de la cubierta trasera inferior derecha (37).

23. Extraiga el panel (44) de la cubierta derecha 1 del MFP (25) con un destornillador de pala plana.

22. Nehmen Sie die Ablösungsabdeckung (42) von der vorderen rechten Abdeckung (32) ab und die Ablösungsabdeckung (43) von der unteren rechten hinteren Abdeckung (37).

23. Nehmen Sie mit einem flachen Schraubendreher die Platte (44) von der rechten Abdeckung 1 (25) des MFP ab.

22. Rimuovere il coperchio di distacco (42) dal coperchio destro anteriore (32), e il coperchio di distacco (43) dal coperchio posteriore inferiore destro (37).

23. Rimuovere il pannello (44) dal coperchio destro 1 (25) dell'MFP con un cacciavite a testa piana.

22. 切除右前部盖板 (32) 的切割盖板 (42) 和右下后部盖板 (37) 的切割盖板 (43)。

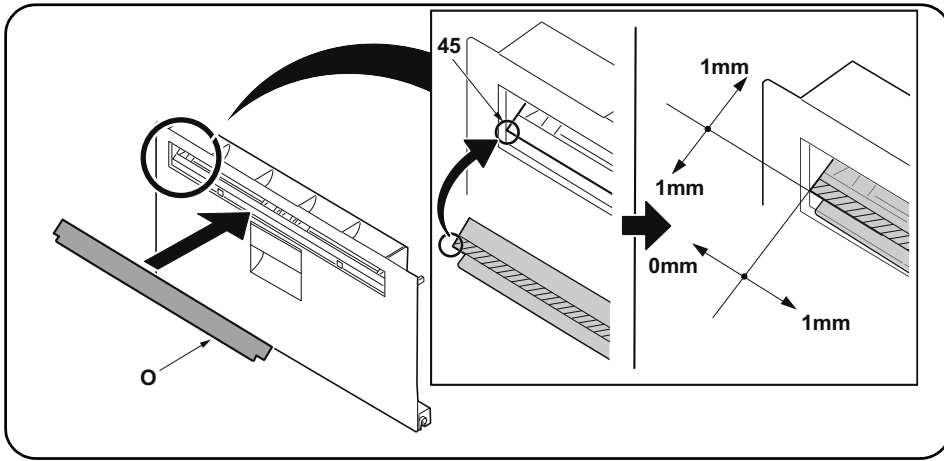
23. 使用一字螺丝刀将 MFP 主机的右部盖板 1 (25) 的盖子 (44) 拆下。

22. 우측 전면커버 (32) 의 분할커버 (42) 와 오른쪽 하단 뒷커버 (37) 의 분할커버 (43) 를 떼어 냅니다 .

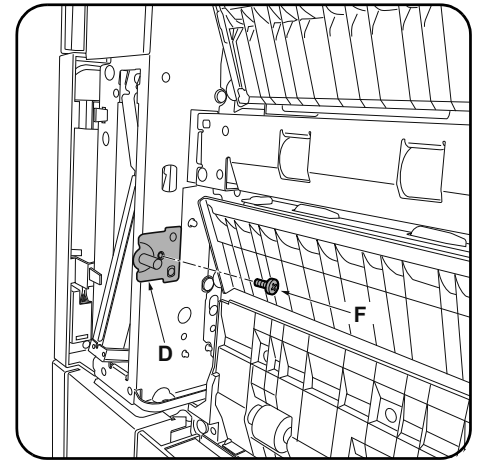
23. MFP 본체의 우측커버 1 (25) 의 뚜껑 (44) 을 마이너스 드라이버로 제거합니다 .

22. 右前カバー (32) の割りカバー (42) と右下後カバー (37) の割りカバー (43) を切り取る。

23. MFP 本体の右カバー1(25) のふた (44) をマイナスドライバーで取り外す。



24. After using alcohol to clean place adhering the film, adhere the film (O) in the position (45) indicated in the illustration.



25. Install a lock pin (D) on the front right of the MFP using an M4 x 8 screw (F).

24. Coller le film (O) sur l'emplacement (45) indiqué dans l'illustration, après avoir soigneusement nettoyé cet emplacement à l'alcool.

25. Monter une broche de verrouillage (D) à droite et à l'avant du MFP en procédant à l'aide d'une vis M4 x 8 (F).

24. Después de utilizar alcohol para limpiar la zona donde se va a pegar la película, pegue la película (O) en el lugar (45) que se indica en la ilustración.

25. Instale una clavija de bloqueo (D) en la parte derecha frontal del MFP usando un tornillo M4 x 8 (F).

24. Zum Anbringen des Films (O) die Stelle zuvor mit Alkohol reinigen und den Film (O) dann in der in der Abbildung angegebenen Position (45) anbringen.

25. Bringen Sie mit einer M4 x 8 Schraube (F) den Arretierungsstift (D) vorne rechts am MFP an.

24. Dopo aver utilizzato alcol per pulire la piastra che aderisce alla pellicola, far aderire la pellicola (O) nella posizione (45) indicata nell'illustrazione.

25. Installare un perno di bloccaggio (D) sulla parte anteriore destra dell'MFP utilizzando una vite M4 x 8 (F).

24. 使用酒精对薄膜粘贴位置进行清洁后,按插图位置(45)粘贴薄膜(O)。

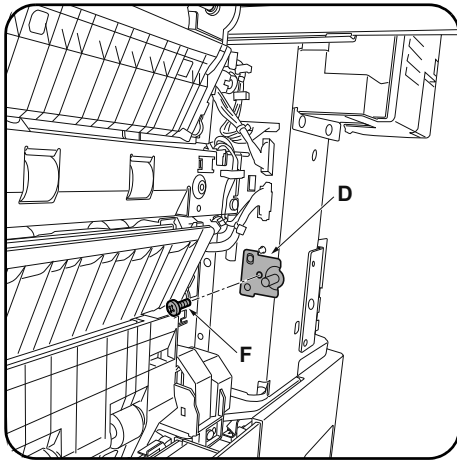
25. 使用1颗M4x8螺丝(F)将锁定插销(D)安装到MFP主机的右前侧。

24. 필름 부착위치를 알코올 청소 후, 일러스트의 위치(45)에 맞춰 필름(O)을 부착합니다.

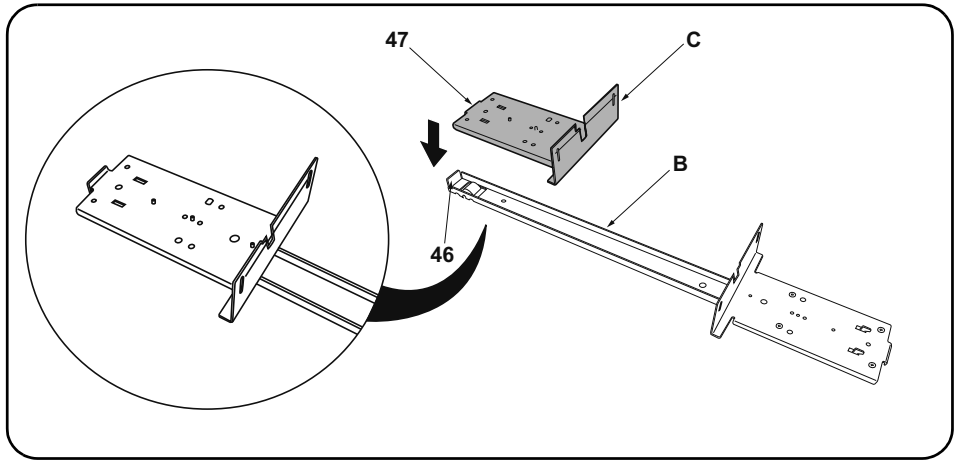
25. 나사 M4x8(F) 1개로 잠금 핀(D)을 MFP 본체 우측 전면쪽에 설치합니다.

24. フィルム貼り付け位置をアルコール清掃後、イラストの位置(45)にあわせて、フィルム(O)を貼り付ける。

25. ビス M4x8(F) 1本で、ロックピン(D)をMFP本体右前側に取り付ける。



26. Install a lock pin (D) on the rear right of the MFP using an M4 x 8 screw (F) in the same way.



27. Place the small base slider (C) on the large base slider (B). Place so that the bend (47) on the small base slider (C) abuts inside the rest (46) at the end of the large base slider (B).

26. Monter une broche de verrouillage (D) à droite et à l'arrière du MFP en procédant de la même manière à l'aide d'une vis M4 x 8 (F).

27. Placer la petite règle de base (C) sur la grande règle de base (B). Disposer la petite règle de base (C) de sorte que son extrémité repliée (47) s'encastre dans la butée (46) à l'extrémité de la grande règle de base (B).

26. Instale una clavija de bloqueo (D) en la parte derecha frontal del MFP usando un tornillo M4 x 8 (F).

27. Coloque el deslizador de base pequeño (C) sobre el deslizador de base grande (B). Haga que la dobladura (47) del deslizador de base pequeño (C) quede en el interior del apoyo (46) del extremo del deslizador de base grande (B).

26. Bringen Sie auf gleiche Weise mit einer M4 x 8 Schraube (F) den Arretierungsstift (D) hinten rechts am MFP an.

27. Setzen Sie den kleinen Basis-Schieber (C) auf den großen Basis-Schieber (B). Setzen Sie ihn so auf, dass die Biegung (47) am kleinen Basis-Schieber (C) innerhalb der Auflage (46) am Ende des großen Basis-Schiebers (B) anliegt.

26. Installare un perno di bloccaggio (D) sulla parte posteriore destra dell'MFP utilizzando una vite M4 x 8 (F) alla stessa maniera.

27. Posizionare lo scivolo di base piccolo (C) sullo scivolo di base grande (B). Posizionare in modo che la piegatura (47) sullo scivolo di base piccolo (C) si attesti all'interno del sostegno (46) all'estremità dello scivolo di base grande (B).

26. 按相同方法, 使用 1 顆 M4x8 螺絲 (F) 將鎖定插銷 (D) 安裝到 MFP 主機的右後側。

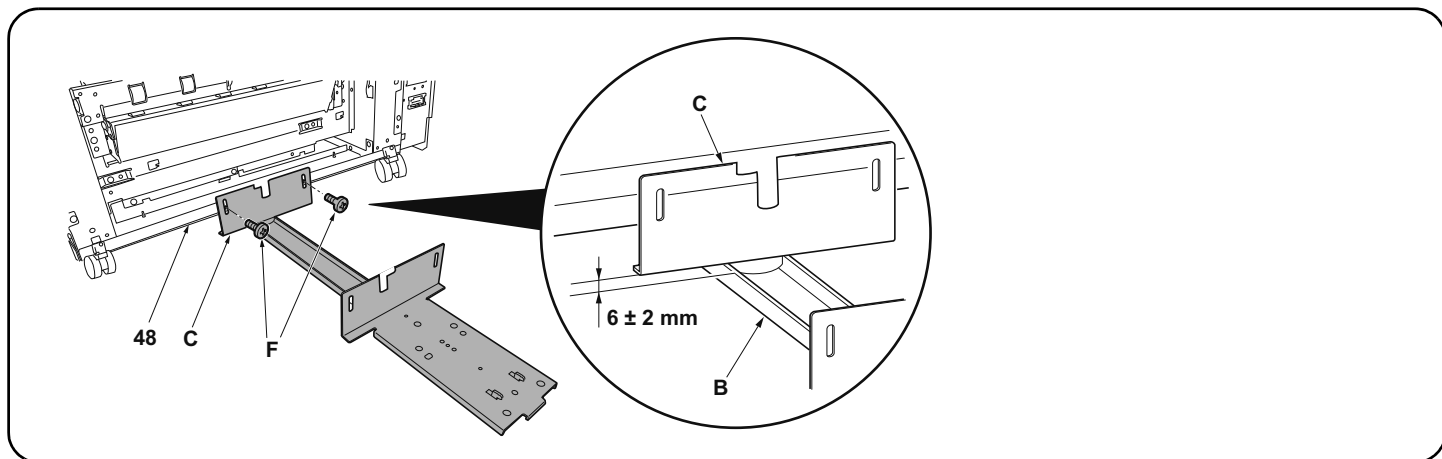
27. 將底座滑板 (小) (C) 放在底座滑板 (大) (B)。此時底座滑板 (小) (C) 的彎曲部 (47) 應處於底座滑板 (大) (B) 的前端折彎部 (46) 的內側。

26. 같은 방식으로 나사 M4x8(F) 1 개로 잠금 핀 (D) 을 MFP 본체 우측 뒤쪽에 설치합니다 .

27. 베이스 슬라이더 대 (B) 의 위에 베이스 슬라이더 소 (C) 를 엮습니다 . 그 때 , 베이스 슬라이더 소 (C) 의 곡선부 (47) 가 베이스 슬라이더 대 (B) 의 맨 앞쪽의 꺾이고 구부러진 부분 (46) 의 안쪽으로 오도록 세웁니다 .

26. 同様にビス M4x8(F) 1 本で、ロックピン (D) を MFP 本体右後側に取り付ける。

27. ベーススライダ-大 (B) の上にベーススライダ-小 (C) を乗せる。その際、ベーススライダ-小 (C) の曲げ (47) がベーススライダ-大 (B) の先端折り曲げ部 (46) の内側にくるようにセットする。



28. Insert the small base slider (C) under the machine. Install to the base (48) using 2 M4 × 8 screws (F) so that the gap between the small base slider (C) and the large base slider (B) is 6 ± 2 mm.

* For PF-730, install to the screw holes marked "R".

28. Insérer la petite règle de base (C) sous l'appareil. Fixer à la base (48) à l'aide de 2 vis M4 × 8 (F) de sorte que le battement entre la petite règle de base (C) et la grande règle de base (B) soit de 6 ± 2 mm.

* Pour le PF-730, fixer aux trous de vis marqués "R".

28. Introduzca el deslizador de base pequeño (C) por debajo de la máquina. Instálelo en la base (48) usando 2 tornillos M4 × 8 (F) de manera tal que el huelgo entre el deslizador de base pequeño (C) y el deslizador de base grande (B) sea de 6 ± 2 mm.

* En el caso de PF-730, instale en los orificios para tornillo "R".

28. Den kleinen Basis-Schieber (C) unter der Maschine einsetzen. Befestigen Sie ihn mit 2 M4 × 8 Schrauben (F) so an der Basis (48), dass der Abstand zwischen dem kleinen Basis-Schieber (C) und dem großen Basis-Schieber (B) 6 ± 2 mm beträgt.

* Bei Modell PF-730 an den mit "R" markierten Schraublöchern befestigen.

28. Inserire lo scivolo di base piccolo (C) sotto la macchina. Installare alla base (48) utilizzando 2 viti M4 × 8 (F) in modo che lo spazio tra lo scivolo di base piccolo (C) e lo scivolo di base grande (B) sia di 6 ± 2 mm.

* Per PF-730, installare ai fori per viti segnalati con "R".

28. 将底座滑板(小)(C)插入MFP主机侧的供纸工作台的下方。使用2颗M4×8(F)螺丝将底座滑板(小)(C)安装到底板(48)上,确保底座滑板(小)(C)与底座滑板(大)(B)之间的间隙为6±2mm。

※PF-730时,安装到带有R刻印的螺纹孔上。

28. 베이스 슬라이더 소 (C) 를 MFP 본체측의 용지 급지대 밑에 넣습니다 . 베이스 슬라이더 소 (C) 와 베이스 슬라이더 대 (B) 의 틈이 6±2mm 가 되도록 나사 M4×8(F) 2 개로 바닥판 (48) 에 장착합니다 .

※PF-730 은 R 의 각인이 있는 나사구멍에 장착합니다 .

28. 베이스슬라이더소 (C) 를 MFP 본체측의 페이퍼피더의 아래에 넣는다. 베이스슬라이더소 (C) 와 베이스슬라이더대 (B) 의 간격이 6±2mm 인 양으로 비스 M4×8(F) 2 본으로 바닥판 (48) 에取り付け。

※PF-730 은 R 의 각인のある 비스穴에取り付け。

Installation on medium-speed MFPs

If installing on a high-speed MFP, proceed to step 35.

29. Reinstall the paper feeder lower right cover (19).
30. Reinstall the paper feeder right cover (14).

31. Reinstall the lower right rear cover (11).
32. Mount a screw (9) in the middle right rear cover (8).
33. Reinstall the front right cover (5).
34. Reinstall the lower right cover (1).
Proceed to step 41.

Montage sur des MFP à vitesse moyenne

Si le montage est fait sur un MFP à grande vitesse, passer à l'étape 35.

29. Reposer le capot inférieur droit du bureau papier (19).
30. Reposer le capot droit du bureau papier (14).

31. Reposer le capot arrière inférieur droit (11).
32. Fixer la vis (9) sur le capot arrière médian droit (8).
33. Reposer le capot avant droit (5).
34. Reposer le capot inférieur droit (1).
Passer à l'étape 41.

Instalación en las MFP de velocidad media

Si se instala en una MFP de alta velocidad, vaya al paso 35.

29. Reinstale la cubierta derecha inferior del alimentador de papel (19).
30. Reinstale la cubierta derecha del alimentador de papel (14).

31. Reinstale la cubierta trasera inferior derecha (11).
32. Instale el tornillo (9) en la cubierta trasera central derecha (8).
33. Reinstale la cubierta delantera derecha (5).
34. Reinstale la cubierta derecha inferior (1).
Vaya al paso 41.

Installation an MFP der mittleren Leistungsklasse

Gehen Sie zur Installation an einem MFP der Hochleistungsklasse weiter zu Schritt 35.

29. Bringen Sie die untere rechte Abdeckung (19) des Papiereinzugs wieder an.
30. Bringen Sie die rechte Abdeckung (14) des Papiereinzugs wieder an.

31. Bringen Sie die untere rechte hintere Abdeckung (11) wieder an.
32. Befestigen Sie eine Schraube (9) an der mittleren rechten hinteren Abdeckung (8).
33. Bringen Sie die vordere rechte Abdeckung (5) wieder an.
34. Bringen Sie die untere rechte Abdeckung (1) wieder an.
Gehen Sie weiter zu Schritt 41.

Installazione sulle MFP a velocità media

Se si installa su una MFP a velocità alta, procedere al passo 35.

29. Reinstallare il coperchio destro inferiore dell'unità di alimentazione carta (19).
30. Reinstallare il coperchio destro (14) dell'unità di alimentazione carta.

31. Reinstallare il coperchio posteriore inferiore destro (11).
32. Montare la vite (9) nel coperchio posteriore centrale destro (8).
33. Reinstallare il coperchio destro anteriore (5).
34. Reinstallare il coperchio destro inferiore (1).
Procedere al passo 41.

安装于中速 MFP 上时

安装于高速 MFP 上时, 进至步骤 35。

29. 按原样安装供纸盒的右下部盖板 (19)。
30. 按原样安装供纸盒的右盖板 (14)。

31. 按原样安装右下后部盖板 (11)。
32. 安装右中后部盖板 (8) 的 1 颗螺丝 (9)。
33. 按原样安装右前部盖板 (5)。
34. 按原样安装右下后部盖板 (1)。
进至步骤 41。

중속 MFP 에 설치하는 경우

고속 MFP 에 설치하는 경우에는 순서 35 로 진행합니다 .

29. 용지 급지대의 우측 하단커버 (19) 를 원래대로 장착합니다 .
30. 용지 급지대의 우측커버 (14) 를 원래대로 장착합니다 .

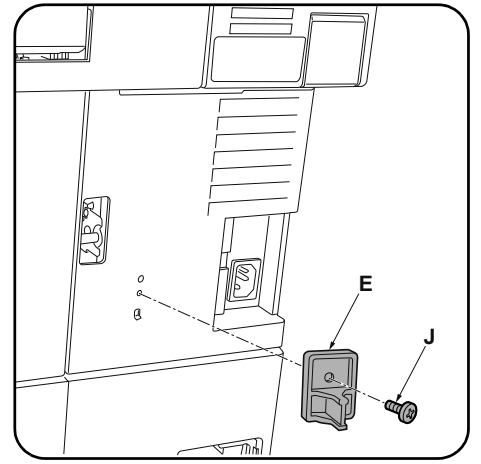
31. 우측하단 뒷커버 (11) 를 원래대로 장착합니다 .
32. 우측 중간 뒷커버 (8) 의 나사 (9) 1 개를 장착합니다 .
33. 우측 전면커버 (5) 를 원래대로 장착합니다 .
34. 우측 하단커버 (1) 를 원래대로 장착합니다 .
순서 41 로 진행합니다 .

中速 MFP に設置の場合

高速 MFP に設置の場合は手順 35 に進む。

29. ペーパーフィーダーの右下カバー (19) を元通り取り付ける。
30. ペーパーフィーダーの右カバー (14) を元通り取り付ける。

31. 右下後カバー (11) を元通り取り付ける。
32. 右中後カバー (8) のビス (9) 1 本を取り付ける。
33. 右前カバー (5) を元通り取り付ける。
34. 右下カバー (1) を元通り取り付ける。
手順 41 に進む。



Installation on high-speed MFPs

- 35. Reinstall the lower right cover (41).
- 36. Reinstall the lower right rear cover (37).
- 37. Mount a screw (36) in the middle right rear cover (35).

- 38. Reinstall the front right cover (32).
- 39. Reinstall the right cover 2 (28).
- 40. Reinstall the right cover 1 (25).

- 41. Install the switch press plate (E) using the M4 × 10 tapping screw (J).

Montage sur des MFP à grande vitesse

- 35. Reposer le capot inférieur droit (41).
- 36. Reposer le capot arrière inférieur droit (37).
- 37. Fixer la vis (36) sur le capot arrière médian droit (35).

- 38. Reposer le capot avant droit (32).
- 39. Reposer le capot droit 2 (28).
- 40. Reposer le capot droit 1 (25).

- 41. Fixer la plaque de pression du contacteur (E) à l'aide d'une vis de connexion M4 × 10 (J).

Instalación en las MFP de alta velocidad

- 35. Reinstale la cubierta derecha inferior (41).
- 36. Reinstale la cubierta trasera inferior derecha (37).
- 37. Instale el tornillo (36) en la cubierta trasera central derecha (35).

- 38. Reinstale la cubierta delantera derecha (32).
- 39. Reinstale la cubierta derecha 2 (28).
- 40. Reinstale la cubierta derecha 1 (25).

- 41. Instale la placa de presión del interruptor (E) usando el tornillo de roscado M4 × 10 (J).

Installation an MFP der Hochleistungsklasse

- 35. Bringen Sie die untere rechte Abdeckung (41) wieder an.
- 36. Bringen Sie die untere rechte hintere Abdeckung (37) wieder an.
- 37. Befestigen Sie eine Schraube (36) an der mittleren rechten hinteren Abdeckung (35).

- 38. Bringen Sie die vordere rechte Abdeckung (32) wieder an.
- 39. Bringen Sie die rechte Abdeckung 2 (28) wieder an.
- 40. Bringen Sie die rechte Abdeckung 1 (25) wieder an.

- 41. Befestigen Sie mit der M4 × 10 Schraubenschraube (J) die Schalterdruckplatte (E).

Installazione sulle MFP a velocità alta

- 35. Reinstallare il coperchio destro inferiore (41).
- 36. Reinstallare il coperchio posteriore inferiore destro (37).
- 37. Montare la vite (36) nel coperchio posteriore centrale destro (35).

- 38. Reinstallare il coperchio destro anteriore (32).
- 39. Reinstallare il coperchio destro 2 (28).
- 40. Reinstallare il coperchio destro 1 (25).

- 41. Installare la piastra spingi interruttore (E) utilizzando la vite autofilettante M4 × 10 (J).

安装于高速 MFP 上时

- 35. 按原样安装右下部盖板 (41)。
- 36. 按原样安装右下后部盖板 (37)。
- 37. 安装右中后部盖板 (35) 的 1 颗螺丝 (36)。

- 38. 按原样安装右前部盖板 (32)。
- 39. 按原样安装右部盖板 2 (28)。
- 40. 按原样安装右部盖板 1 (25)。

- 41. 使用 1 颗 M4×10 自攻螺丝 (J) 安装开关挡板 (E)。

고속 MFP 에 설치하는 경우

- 35. 우측 하단커버 (41) 를 원래대로 장착합니다 .
- 36. 우측하단 뒷커버 (37) 를 원래대로 장착합니다 .
- 37. 우측 중간 뒷커버 (35) 의 나사 (36) 1 개를 장착합니다 .

- 38. 우측 전면커버 (32) 를 원래대로 장착합니다 .
- 39. 우측커버 2 (28) 를 원래대로 장착합니다 .
- 40. 우측커버 1 (25) 를 원래대로 장착합니다 .

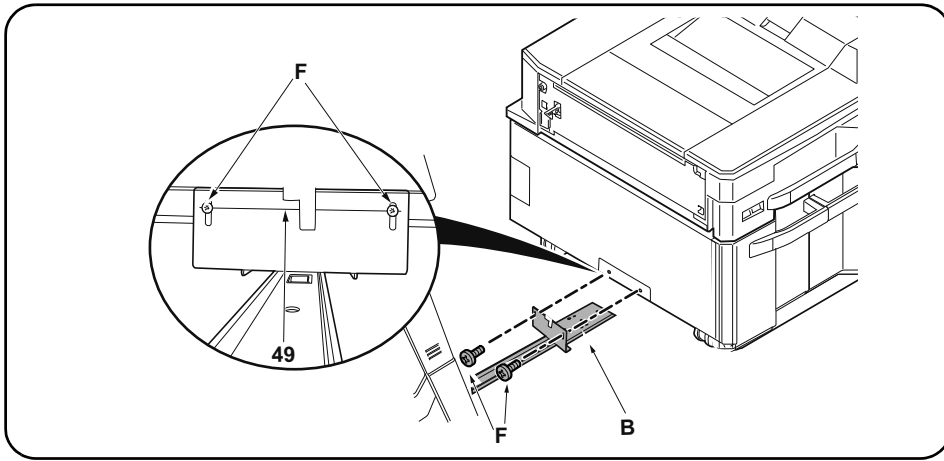
- 41. 탭핑나사 M4×10(J) 1 개로 스위치 판 (E) 을 장착합니다 .

高速 MFP に設置の場合

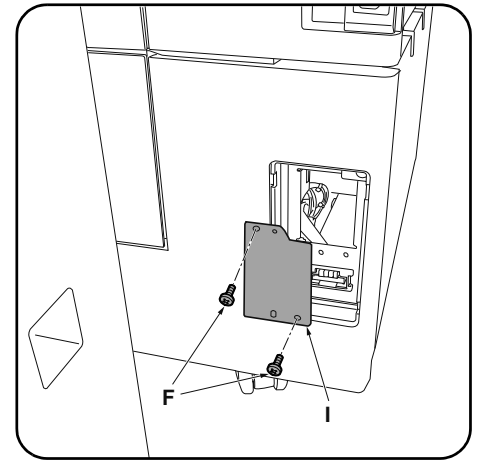
- 35. 右下カバー (41) を元通り取り付けます。
- 36. 右下後カバー (37) を元通り取り付けます。
- 37. 右中後カバー (35) のビス (36) 1 本を取り付けます。

- 38. 右前カバー (32) を元通り取り付けます。
- 39. 右カバー 2 (28) を元通り取り付けます。
- 40. 右カバー 1 (25) を元通り取り付けます。

- 41. タッピングビス M4×10(J) 1 本でスイッチ当たり板 (E) を取り付けます。



42. Attach the side feeder to the large base slider (B) using 2 M4 × 8 screws (F). Install so that the center of the M4 × 8 screws (F) comes over the horizontal line (49) of the mounting plate on the large base slider (B).



43. Install the cover plate (I) using 2 M4 × 8 screws (F).

42. Fixer le plateau d'alimentation latéral à la grande règle de base (B) à l'aide de 2 vis M4 × 8 (F). Procéder de sorte que l'axe des vis M4 × 8 (F) recouvre la ligne horizontale (49) du plateau de montage sur la grande règle de base (B).

43. Fixer le capot (I) à l'aide de 2 vis M4 × 8 (F).

42. Sujete el alimentador lateral al deslizador de base grande (B) con 2 tornillos M4 × 8 (F). Instale de manera que el centro de los tornillos M4 × 8 (F) queden sobre la línea horizontal (49) de la placa de montaje del deslizador de base (B) grande.

43. Instale la tapa (I) usando los 2 tornillos M4 × 8 (F).

42. Den seitlichen Einzug am großen Basis-Schieber (B) mithilfe der 2 Schrauben 2 M4 × 8 (F) befestigen. Befestigen Sie ihn so, dass die Mitte der M4 × 8 Schrauben (F) über der Waagrechtlinie (49) der Montageplatte am großen Basis-Schieber (B) liegt.

43. Bringen Sie die Abdeckungsplatte (I) mit 2 M4 × 8 Schrauben (F) an.

42. Collegare l'unità di alimentazione laterale allo scivolo di base grande (B) usando 2 viti M4 × 8 (F). Installare in modo che il centro delle viti M4 × 8 (F) sia sulla linea orizzontale (49) della piastra di montaggio sullo scivolo di base grande (B).

43. Installare il coperchio (I) utilizzando 2 viti M4 × 8 (F).

42. 使用 2 顆 M4×8 螺絲 (F) 將側供紙盒安裝到底座滑板 (大) (B) 上。此時，應確保 M4×8 螺絲 (F) 的中心處於底座滑板 (大) (B) 的安裝板的平行線 (49) 上。

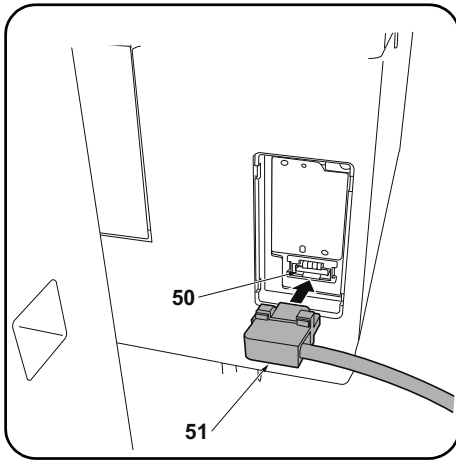
43. 使用 2 顆 M4×8 螺絲 (F) 安裝盖板 (I)。

42. 나사 M4×8(F) 2 개로 베이스 슬라이더 대 (B) 에 사이드 피더를 장착합니다. 그 때, 베이스 슬라이더 대 (B) 의 설치판의 평행선 (49) 에 나사 M4×8(F) 의 센터가 오도록 장착합니다.

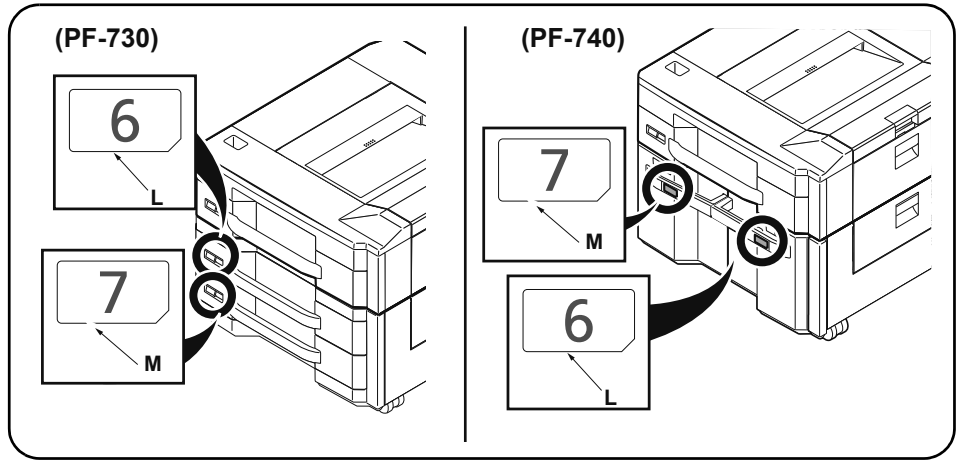
43. 나사 M4×8(F) 2 개로 커버 플레이트 (I) 를 장착합니다.

42. ビス M4×8(F) 2 本でベーススライダ大 (B) にサイドフィーダーを取り付ける。その際、ベーススライダ大 (B) の取付板の平行線 (49) にビス M4×8(F) のセンターがくるように取り付ける。

43. ビス M4×8(F) 2 本でカバープレート (I) を取り付ける。



44. Connect the signal cable (51) of the side feeder to the connector (50) of the MFP.
45. Push the side feeder to connect it to the MFP.



46. After using alcohol to clean place adhering the cassette number label 6 (L) and the cassette number label 7 (M), adhere them in the positions indicated in the illustration.

44. Connecter le câble de signal (51) du plateau d'alimentation latéral au connecteur (50) du MFP.
45. Pousser le dispositif du plateau d'alimentation latéral pour le raccorder au MFP.

46. Coller l'étiquette de numéro de cassette 6 (L) et l'étiquette de numéro de cassette 7 (M) sur les emplacements indiqués dans l'illustration, après avoir soigneusement nettoyé ces derniers à l'alcool.

44. Conecte el cable de señal (51) del alimentador lateral al conector (50) de la MFP.
45. Empuje el alimentador lateral para conectarlo al MFP.

46. Después de utilizar alcohol para limpiar la zona donde se va a pegar la etiqueta de casete con el número 6 (L) y la etiqueta de casete con el número 7 (M), pégalas en los lugares que se indican en la ilustración.

44. Das Signalkabel (51) des seitlichen Einzugs an den Stecker (50) des MFP anschließen.
45. Drücken Sie auf den seitlichen Einzug, um ihn mit dem MFP zu verbinden.

46. Zum Anbringen der Aufkleber Kassettensnummer 6 (L) und Kassettensnummer 7 (M) die Stellen zuvor mit Alkohol reinigen und die Aufkleber dann an den in der Abbildung angegebenen Positionen anbringen.

44. Collegare il cavo del segnale (51) dell'unità di alimentazione laterale al connettore (50) dell'MFP.
45. Spingere l'unità di alimentazione laterale per collegarla all'MFP.

46. Dopo aver utilizzato alcol per pulire la piastra che aderisce all'etichetta numero cassetta 6 (L) e l'etichetta numero cassetta 7 (M), farli aderire nelle posizioni indicate nell'illustrazione.

44. 将侧供纸盒的信号线(51)与MFP主机的接插件(50)相连。
45. 按住侧供纸盒,将其与MFP主机连接。

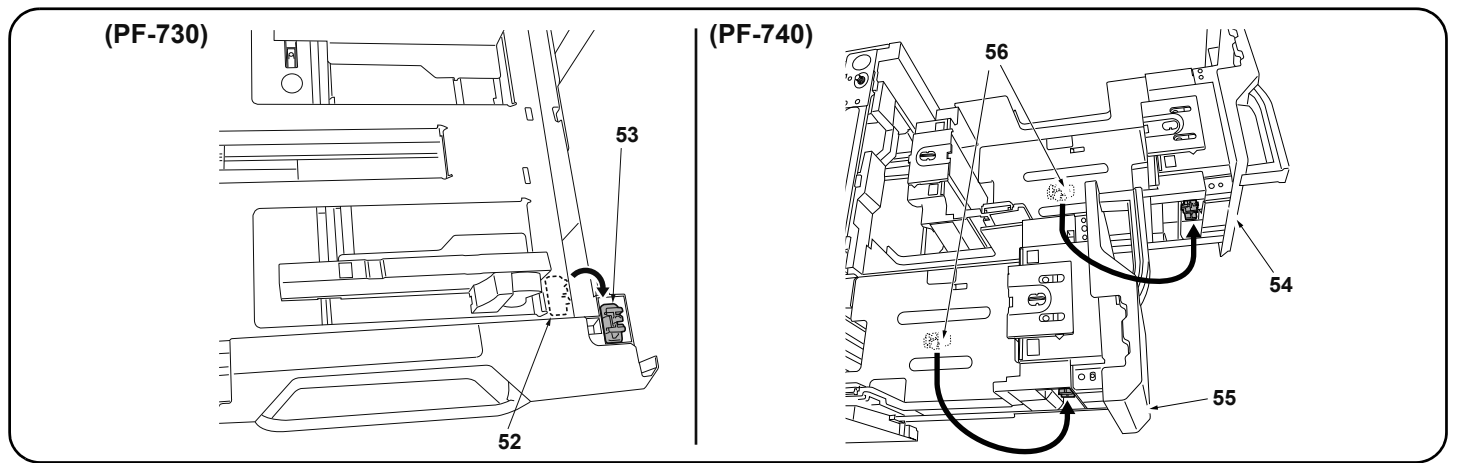
46. 使用酒精清洁要粘贴纸盒编号标签6(L)、纸盒编号标签7(M)的位置后,按图示位置粘贴。

44. 사이드 피더의 신호선(51)을 MFP 본체의 커넥터(50)에 접속합니다.
45. 사이드 피더를 밀어 MFP 본체에 접속합니다

46. 카세트 넘버라벨 6(L), 카세트 넘버라벨 7(M)의 부착위치를 알코올 청소 후, 일러스트의 위치에 부착합니다.

44. サイドフィーダーの信号線(51)をMFP本体のコンネクター(50)に接続する。
45. サイドフィーダーを押し、MFP本体に接続する。

46. カセットナンバーラベル6(L)、カセットナンバーラベル7(M)をアルコール清掃後、イラストの位置に貼り付ける。



For PF-730

47. Pull each cassette out and then remove the lift plate stopper (52) from each cassette and attach it to the storage location (53).

For PF-740

47. Pull out the right cassette (54) and left cassette (55), remove each of the lift plate stoppers (56) and attach them in the storage location.

48. Gently close each cassette.

Pour PF-730

47. Tirer chaque tiroir vers l'extérieur puis retirer la butée de plaque d'élévation (52) de chaque tiroir et la fixer à l'emplacement de rangement (53).

Pour PF-740

47. Sortir le tiroir droit (54) et le tiroir gauche (55), déposer toutes les butées du plateau de levage (56) et les ranger soigneusement.

48. Refermer progressivement chaque tiroir.

Para PF-730

47. Abra la bandeja y quite el tope de la placa de elevación (52) de cada bandeja y colóquela en su lugar de depósito (53).

Para PF-740

47. Extraiga el cajón derecho (54) y el cajón izquierdo (55), quite cada uno de los topes de placa de elevación (56) y fíjelos en el lugar de almacenamiento.

48. Cierre suavemente cada bandeja.

Für PF-730

47. Die einzelnen Kassetten herausziehen, dann den Hebeplattenanschlag (52) von jeder Kassette entfernen und an der Speicherposition (53) anbringen.

Für PF-740

47. Die rechte Papierlade (54) und die linke Papierlade (55) herausziehen, jeden der Hebeplattenanschläge (56) entfernen und in der vorgesehenen Position verstauen.

48. Alle Kassetten sachte schließen.

Per PF-730

47. Estrarre ciascun cassetto e poi rimuovere il fermo della piastra di sollevamento (52) da ciascun cassetto e fissarlo nella posizione di immagazzinaggio (53).

Per PF-740

47. Estrarre il cassetto destro (54) e il cassetto sinistro (55), rimuovere ciascuno dei fermi (56) della piastra di sollevamento ed applicarli nella posizione di conservazione.

48. Chiudere delicatamente ciascun cassetto.

PF-730 时

47. 拉出各供纸盒, 拆下各 1 个升降板挡块 (52), 并安装在保管场所 (53) 上。

PF-740 时

47. 拉出右侧供纸盒 (54) 以及左侧供纸盒 (55), 拆下各 1 个升降板挡块 (56), 并安装在保管场所上。

48. 轻轻地推入各供纸盒。

PF-730 의 경우

47. 각 카세트를 빼고 리프트판 스톱퍼 (52) 각 1 개를 빼내 보관장소 (53) 에 부착합니다 .

PF-740 의 경우

47. 카세트 오른쪽 (54) 및 카세트 왼쪽 (55) 을 꺼내어 리프트판 스톱퍼 (56) 각 1 개를 제거하고 보관장소에 부착합니다

48. 각 카세트를 조용히 밀어 넣습니다 .

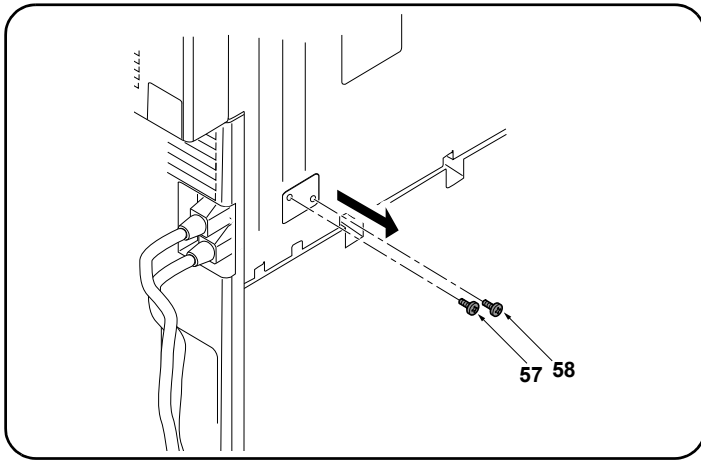
PF-730 の場合

47. 各カセットを引き出し、リフト板ストッパー (52) 各 1 個を外して保管場所 (53) に取り付ける。

PF-740 の場合

47. カセット右 (54) およびカセット左 (55) を引き出し、リフト板ストッパー (56) 各 1 個を取り外し、保管場所に取り付ける。

48. 各カセットを静かに押し込む。



When there is 1 power cable

49. Remove a screw (58).

When there are 2 power cables

49. Remove 2 screws (57) and (58).

En cas d'utilisation de 1 seul cordon d'alimentation

49. Retirer la vis (58).

En cas d'utilisation de 2 cordons d'alimentation

49. Retirer les 2 vis (57) et (58).

Si hay 1 cable eléctrico

49. Quite un tornillo (58).

Si hay 2 cables eléctricos

49. Quite 2 tornillos (57) y (58).

Wenn 1 Netzkabel vorhanden ist

49. Die Schraube (58) entfernen.

Wenn 2 Netzkabel vorhanden sind

49. Die 2 Schrauben (57) und (58) entfernen.

Quando esiste 1 cavo di alimentazione

49. Rimuovere una vite (58).

Quando esistono 2 cavi di alimentazione

49. Rimuovere 2 viti (57) e (58).

1 根电源线时

49. 拆除 1 颗螺丝 (58)。

2 根电源线时

49. 拆除 2 颗螺丝 (57) (58)。

전선 코드가 1 개인 경우

49. 나사 (58) 1 개를 제거합니다 .

전선 코드가 2 개인 경우

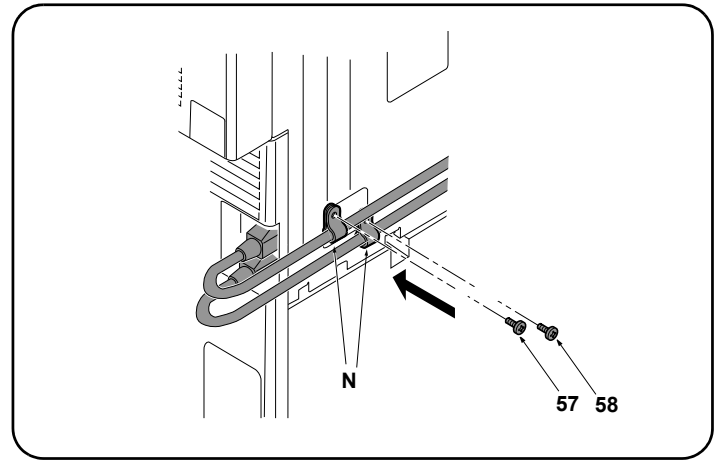
49. 나사 (57) (58) 2 개를 제거합니다 .

電源コードが 1 本の場合

49. ビス (58) 1 本を外す。

電源コードが 2 本の場合

49. ビス (57) (58) 2 本を外す。



When there is 1 power cable

50. Pass the power cable through the clamp (N) and fasten it using a screw (58) removed in step 49.

When there are 2 power cables

50. Pass the power cable through clamp (N) and fasten it using 2 screws (57) (58) removed in step 49.

En cas d'utilisation de 1 seul cordon d'alimentation

50. Faire passer le cordon d'alimentation au travers de collier (N) et le fixer à l'aide de la vis (58) déposée à l'étape 49.

En cas d'utilisation de 2 cordons d'alimentation

50. Faire passer les cordons d'alimentation au travers des colliers (N) et les fixer à l'aide des 2 vis (57) et (58) déposées à l'étape 49.

Si hay 1 cable eléctrico

50. Pase el cable eléctrico por el sujetador (N) y apriételo con el tornillo (58) que quitó en el paso 49.

Si hay 2 cables eléctricos

50. Pase el cable eléctrico por el sujetador (N) y apriételo con los 2 tornillos (57) y (58) que quitó en el paso 49.

Wenn 1 Netzkabel vorhanden ist

50. Das Netzkabel durch die Klemme (N) führen und es mit der in Schritt 49 entfernten Schraube (58) befestigen.

Wenn 2 Netzkabel vorhanden sind

50. Das Netzkabel durch die Klemme (N) führen und es mit den in Schritt 49 entfernten 2 Schrauben (57) (58) befestigen.

Quando esiste 1 cavo di alimentazione

50. Passare il cavo di alimentazione attraverso il morsetto (N) e stringerlo usando una vite (58) rimossa nel passo 49.

Quando esistono 2 cavi di alimentazione

50. Passare il cavo di alimentazione attraverso il morsetto (N) e stringerlo usando 2 viti (57) (58) rimosse nel passo 49.

1 根电源线时

50. 将电源线穿过束线夹 (N)，使用在步骤 49 中拆除的 1 颗螺丝 (58) 固定电源线。

2 根电源线时

50. 将电源线穿过束线夹 (N)，使用在步骤 49 中拆除的 2 颗螺丝 (57) (58) 固定电源线。

전선 코드가 1 개인 경우

50. 전선 코드를 클램프 (N) 에 통과시키고 순서 49 에서 제거한 나사 (58) 1 개로 고정합니다 .

전선 코드가 2 개인 경우

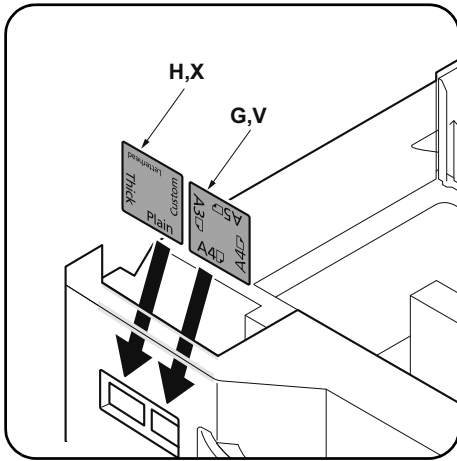
50. 전선 코드를 클램프 (N) 에 통과시키고 순서 49 에서 제거한 나사 (57) (58) 2 개로 고정합니다 .

電源コードが 1 本の場合

50. 電源コードをクランプ (N) に通し、手順 49 で外したビス (58) 1 本で固定する。

電源コードが 2 本の場合

50. 電源コードをクランプ (N) に通し、手順 49 で外したビス (57) (58) 2 本で固定する。



Setting the paper size plate and media type plate

Insert the paper size plate (G,V) and media type plate (H,X) into the each slots respectively.

Skewed paper feed adjustment (PF-730 only)

1. Connect the MFP power plug to the wall outlet and turn the MFP main power switch on.
2. Load paper into the cassette and make a test copy to check the image.
3. If the image is skewed (skewed paper feed), make the adjustments described below.
<Reference value> Left-right difference of 1.5 mm or less

Disposition des plaquettes du format de papier et du type de support

Introduire la plaquette du format de papier (G,V) et la plaquette du type de support (H,X) dans leur logement respectif.

Réglage de l'entraînement du papier en biais (PF-730 uniquement)

1. Insérer la fiche d'alimentation du MFP dans la prise murale et mettre l'interrupteur principal du MFP sous tension.
2. Mettre du papier dans le tiroir et effectuer une copie d'essai pour vérifier l'image.
3. Si l'image est en biais (entraînement du papier en biais), régler en procédant comme décrit ci-dessous.
<Valeur de référence> Différence de droite à gauche de 1,5 mm ou moins.

Ajuste de la placa de tamaño de papel y la placa de tipo de medio

Inserte la placa de tamaño de papel (G,V) y la placa de tipo de medio (H,X) en cada uno de las ranuras, respectivamente.

Ajuste de alimentación de papel torcida (PF-730 solamente)

1. Conecte el enchufe del MFP en el receptáculo de pared y encienda el interruptor principal del MFP.
2. Introduzca papel en el cajón y haga una copia de prueba para verificar la imagen.
3. Si la imagen está torcida (alimentación del papel torcida) haga los ajustes que se describen a continuación.
<Valor de referencia> diferencia izquierda-derecha de 1,5 mm o menor.

Einsetzen der Papierformatkarte und der Medientypkarte

Setzen Sie die Papierformatkarte (G,V) und die Medientypkarte (H,X) in die jeweiligen Führungen.

Einstellung bei verkantetem Papiereinzug (nur PF-730)

1. Stecken Sie den Netzstecker des MFP in die Wandsteckdose und schalten Sie den MFP am Hauptschalter ein.
2. Legen Sie Papier in die Papierlade ein und machen Sie eine Testkopie, um das Bild zu prüfen.
3. Nehmen Sie nachstehende Einstellungen vor, falls das Bild verkantet ist (verkanteter Papiereinzug).
<Bezugswert> Links-rechts-Differenz maximal 1,5 mm.

Impostazione della piastra di formato carta e della piastra del tipo di supporto

Inserire la piastra del formato carta (G,V) e la piastra del tipo di supporto (H,X) nei rispettivi alloggiamenti.

Regolazione alimentazione obliqua carta (solo PF-730)

1. Collegare la spina del cavo di alimentazione dell'MFP alla presa a muro della rete elettrica e accendere l'interruttore principale di alimentazione.
2. Caricare carta nel cassetto ed eseguire una copia di prova per controllare l'immagine.
3. Se l'immagine risulta obliqua (alimentazione obliqua della carta), eseguire le regolazioni descritte sotto.
<Valore di riferimento> Differenza tra destra e sinistra di 1,5 mm o inferiore

纸张尺寸标示和纸张种类标示的安装

将纸张尺寸标示 (G, V) 和纸张种类标示 (H, X) 分别插入到图示的插槽中。

歪斜进纸调节 (仅限 PF-730)

1. 将 MFP 主机上的电源插头插入电源插座中，打开主电源开关。
2. 在纸盒中放入纸张。进行测试复印以确认图像。
3. 图像倾斜 (歪斜进纸) 时进行以下调节。
<基准值> 左右差 1.5mm 以下

용지크기 플레이트와 용지종류 플레이트의 세트

용지크기 플레이트 (G, V) 와 용지종류 플레이트 (H, X) 를 각 표시 슬롯에 각각 삽입한다.

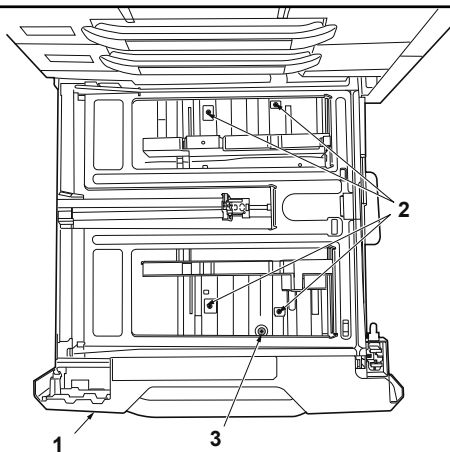
경사급지 조정 (PF-730 만)

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 합니다.
2. 카세트에 용지를 장착합니다. 시험복사를 하고 화상을 확인합니다.
3. 화상이 기울어져 있는 (경사급지) 경우에는 다음 조정을 합니다.
<기준치> 좌우차 1.5mm 이하

用紙サイズプレートと用紙種類プレートのセット
用紙サイズプレート (G, V) と用紙種類プレート (H, X) を各表示スロットにそれぞれ挿入する。

斜め給紙調整 (PF-730 のみ)

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. カセットに用紙をセットする。テストコピーをおこない、画像を確認する。
3. 画像が傾いている (斜め給紙) 場合は次の調整をおこなう。
<基準値> 左右差 1.5mm 以下



4. Pull out the cassette (1) in the paper feeder and loosen the 4 screws (2).
5. Turn the adjusting screw (3) to adjust the cursor skew.
6. Retighten the 4 screws (2).
7. Make another test copy to check the image.

-
4. Sortir le tiroir (1) du bureau papier et desserrer les 4 vis (2).
 5. Faire tourner la vis de réglage (3) pour régler la déviation du curseur.
 6. Resserrer les 4 vis (2).
 7. Faire une autre copie d'essai pour vérifier l'image.

-
4. Extraiga el cajón (1) del alimentador de papel y afloje los 4 tornillos (2).
 5. Gire el tornillo de ajuste (3) para ajustar la desviación del cursor.
 6. Vuelva a apretar los 4 tornillos (2).
 7. Haga otra copia de prueba para verificar la imagen.

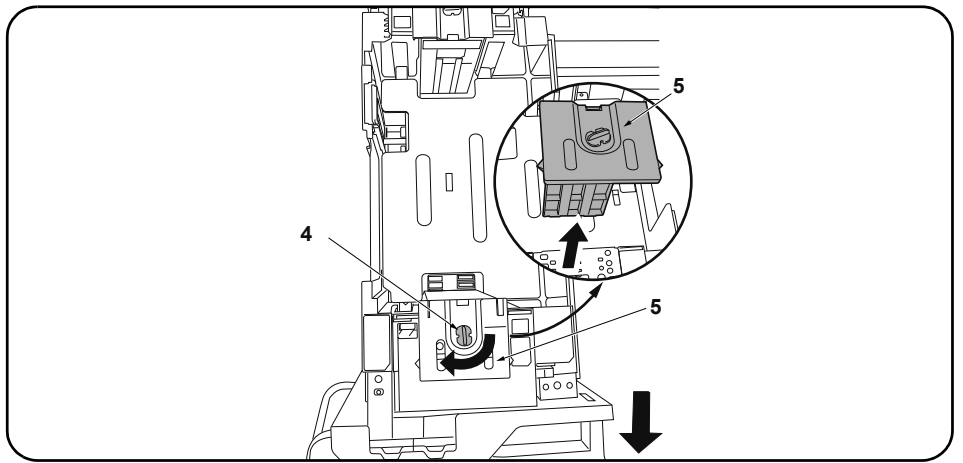
-
4. Ziehen Sie die Papierlade (1) aus dem Papiereinzug und lösen Sie die 4 Schrauben (2).
 5. Drehen Sie die Einstellschraube (3), um die Cursor-Verkantung zu korrigieren.
 6. Ziehen Sie die 4 Schrauben (2) wieder an
 7. Erstellen Sie zur Überprüfung des Bilds noch einmal eine Testkopie.

-
4. Estrarre il cassetto (1) dell'unità di alimentazione della carta e quindi allentare le 4 viti (2).
 5. Ruotare la vite di regolazione (3) per regolare l'inclinazione del cursore.
 6. Ristringere le 4 viti (2).
 7. Eseguire un'altra copia di prova per controllare l'immagine.

-
4. 拉出供纸盒 (1)，拧松 4 颗螺丝 (2)。
 5. 旋转调节螺丝 (3)，以调节游标的倾斜。
 6. 拧紧 4 颗螺丝 (2)。
 7. 再次进行测试复印，确认图像。

-
4. 금지 카세트 (1) 를 빼 내어 나사 (2) 4 개를 느슨하게 합니다 .
 5. 조정나사 (3) 을 돌려 커서 경사조정을 합니다 .
 6. 나사 (2) 4 개를 조입니다 .
 7. 다시 시험복사를 하고 화상을 확인합니다 .

-
4. ペーパーフィーダーのカセット (1) を引出し、ビス (2) 4 本を緩める。
 5. 調整ネジ (3) を回し、カーソルの傾き調整をおこなう。
 6. ビス (2) 4 本を締め付ける。
 7. 再度、テストコピーをおこない、画像を確認する。



Changing paper size (PF-740, metric specifications only)

At shipment, Letter is set for inch models and A4 is set for metric models. Use the procedure below to change the size to B5.

1. Pull out the cassette of the paper feeder.
2. Turn the front lock lever (4) 90° and remove the front deck cursor (5).

Modification du format du papier (PF-740, pour spécifications métriques seulement)

À expédition, les modèles à mesure en pouces sont réglés sur le format Letter et les modèles à mesure métrique sur le format A4. Pour passer au format B5, procéder de la manière suivante.

1. Tirer le magasin du bureau papier vers soi.
2. Faire tourner le levier de verrouillage avant (4) de 90° et déposer le curseur de platine avant (5).

Cómo cambiar el tamaño de papel (PF-740, sólo para las especificaciones métricas)

En el momento de salida de fábrica, se configura Carta para los modelos en pulgadas y A4 para los modelos en sistema métrico. Siga este procedimiento para cambiar el tamaño a B5.

1. Abra el casete del alimentador de papel.
2. Gire la palanca de bloqueo frontal (4) 90° y quite el cursor frontal de la plataforma (5).

Ändern des Papierformats (PF-740, nur metrische Spezifikationen)

Beim Werksversand ist bei Modellen mit Zollmaß das Format Letter voreingestellt und bei Modellen mit metrischem Maß das Format A4.

Das Format kann wie folgend auf B5 umgeschaltet werden.

1. Ziehen Sie die Papierlade aus dem Papiereinzug.
2. Den vorderen Verriegelungshebel (4) um 90° drehen und den vorderen Konsole-Cursor (5) abnehmen.

Cambio del formato della carta (PF-740, solo per le specifiche metriche)

Al momento della spedizione, Letter è impostato per le specifiche in pollici e A4 è impostato per le specifiche metriche. Usare la procedura riportata sotto per cambiare il formato a B5.

1. Estrarre il cassetto dell'unità di alimentatore della carta.
2. Ruotare la leva frontale di blocco (4) di 90° e rimuovere il cursore frontale del deck (5).

纸张尺寸更改 (PF-740, 仅限公制规格)

产品出厂时, 英制规格设定为 Letter、公制规格设定为 A4。要将尺寸更改为 B5 时, 请按以下步骤进行操作。

1. 拉出供纸工作台的供纸盒。
2. 将前部锁定杆 (4) 旋转 90°, 拆下堆纸板前部游标 (5)。

용지크기 변경 (PF-740, 센치 사양만)

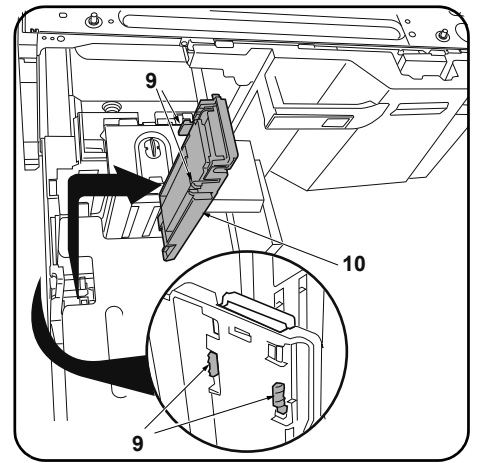
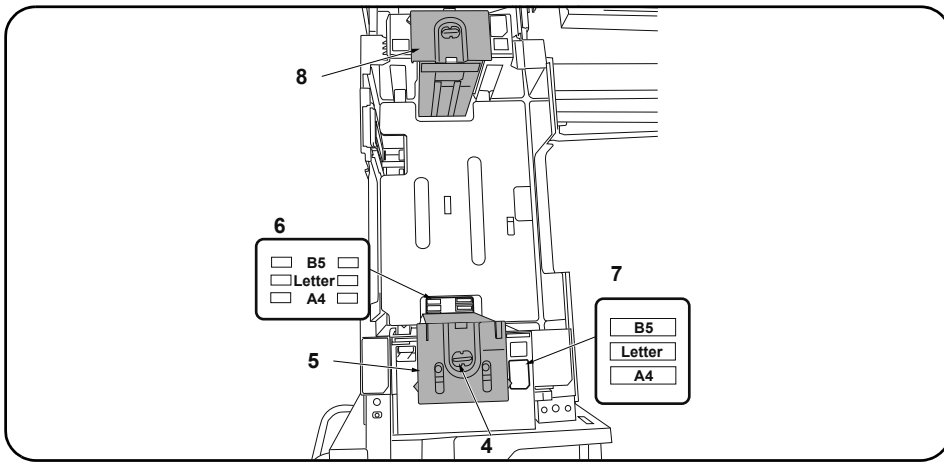
출하시, 인치사양은 Letter, 센치사양은 A4 로 설정되어 있습니다. 크기를 B5 로 변경하는 경우에는 다음 순서를 진행해 주십시오.

1. 금지대 카세트를 빼 냅니다.
2. 잠금레버 앞 (4) 을 90° 회전시켜 데크커서 앞 (5) 을 제거합니다.

用紙サイズ変更 (PF-740, センチ仕様のみ)

出荷時、インチ仕様は Letter、センチ仕様は A4 に設定されています。サイズを B5 に変更する場合は次の手順をおこなってください。

1. ペーパーフィーダーのカセットを引き出す。
2. ロックレバー前 (4) を 90° 回転させ、デッキカーソル前 (5) を取り外す。



3. Move the front deck cursor (5) so that it is aligned with the size indicators on the top (7) and bottom (6) of the cassette.
4. Turn the front lock lever (4) 90° to lock it.
5. Move the rear deck cursor (8) in the same way.

6. Release the hook (9) and remove the deck trailing edge cursor (10).

3. Déplacer le curseur de platine avant (5) de sorte qu'il soit aligné avec les indicateurs de format en haut (7) et en bas (6) du tiroir.
4. Faire tourner le levier de verrouillage avant (4) de 90° pour le verrouiller.
5. Déplacer le curseur de platine arrière (8) en procédant de la même manière.

6. Libérer le crochet (9) et déposer le curseur du bord arrière de la platine (10).

3. Mueva el cursor frontal de la plataforma (5) para que quede alineado con las indicadores de tamaño de la parte superior (7) e inferior (6) del cajón.
4. Gire la palanca de bloqueo frontal (4) 90° para bloquearla.
5. Mueva el cursor trasero de la plataforma (8) de la misma forma.

6. Libere el gancho (9) y quite el cursor del borde inferior de la plataforma (10).

3. Den vorderen Konsole-Cursor (5) so verschieben, dass er mit den Formatanzeigen oben (7) und unten (6) an der Kassette fluchtet.
4. Den vorderen Verriegelungshebel (4) zum Verriegeln um 90° drehen.
5. Den hinteren Konsole-Cursor (8) auf gleiche Weise verschieben.

6. Den Haken (9) lösen und den Hinterkante-Cursor (10) der Konsole abnehmen.

3. Spostare il cursore frontale del deck (5) in modo che esso risulti allineato con gli indicatori di formato sulla parte superiore (7) e inferiore (6) del cassetto.
4. Ruotare la leva frontale di blocco (4) di 90°, per bloccarla.
5. Spostare il cursore posteriore del deck (8) allo stesso modo.

6. Rilasciare il gancio (9) e rimuovere il cursore del bordo di uscita del deck (10).

3. 移动堆纸板前部游标 (5), 使供纸盒下部的尺寸标记 (6) 与供纸盒上部的尺寸标记 (7) 对齐。
4. 将前部锁定杆 (4) 旋转 90° 以固定。
5. 按同样方式移动后部堆纸板后部游标 (8)。

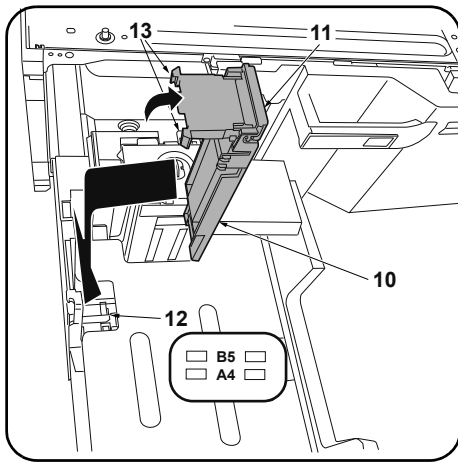
6. 解除卡扣 (9), 拆下堆纸板后部游标 (10)。

3. 카세트 밑의 크기표시 (6) 와 카세트 위의 크기 표시 (7) 에 맞춰 데크커서 앞 (5) 을 이동시킵니다 .
4. 잠금레버 앞 (4) 을 90° 회전시켜 고정합니다 .
5. 똑같이 데크커서 뒤 (8) 를 이동시킵니다 .

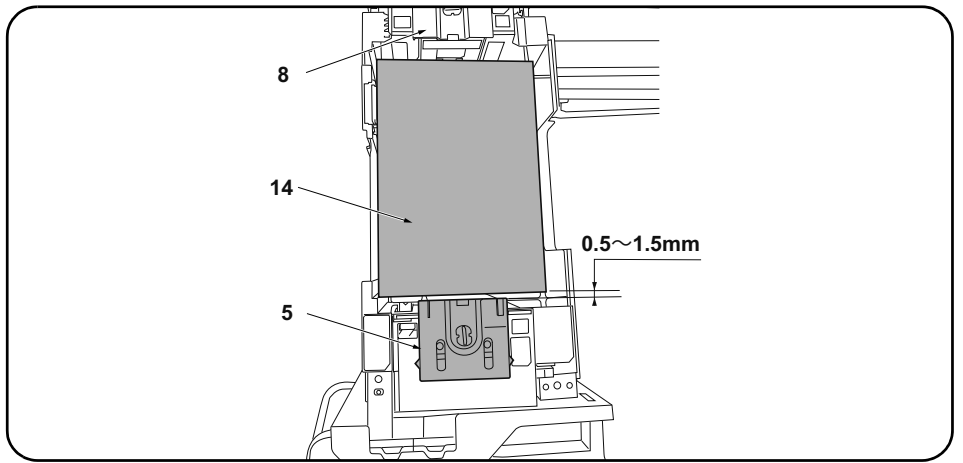
6. 후크 (9) 를 해제하고 데크 뒷단커서 (10) 를 제거합니다 .

3. カセット下のサイズ表示 (6) とカセット上のサイズ表示 (7) に合わせてデッキカーソル前 (5) を移動させる。
4. ロックレバー前 (4) を 90° 回転させ固定する。
5. 同様にデッキカーソル後 (8) を移動させる。

6. フック (9) を解除し、デッキ後端カーソル (10) を取り外す。



7. Lift up the sub-cursor (11).
8. Align with the size indicator (12), engage the hook (13) and install the deck trailing edge cursor (10).



Adjusting the cursor width (PF-740 only)

1. Load paper in the cassettes.
2. If the gap between the front deck cursor (5) and the paper (14) is outside the 0.5 to 1.5 mm range when the paper (14) is touching up against the rear deck cursor (8), perform the following adjustment.
 - * A cursor width that is too small can hinder paper feeding, while a cursor width that is too large can lead to problems such as skewed paper feed.

7. Lever le curseur secondaire (11).
8. Aligner avec l'indicateur de format (12), engager le crochet (13) et reposer le curseur du bord arrière de la platine (10).

Réglage de la largeur du curseur (PF-740 uniquement)

1. Charger les tiroirs en papier.
2. Si l'écartement entre le curseur de platine avant (5) et le papier (14) est hors des limites de 0,5 à 1,5 mm quand le papier (14) touche le curseur de platine arrière (8), procéder au réglage suivant.
 - * Une largeur trop faible du curseur risque d'empêcher l'entraînement du papier et une largeur trop grande risque d'entraîner des problèmes du type entraînement du papier de biais.

7. Levante el cursor secundario (11).
8. Alinee con el indicador de tamaño (12), enganche el gancho (13) e instale el cursor del borde inferior de la plataforma. (10).

Cómo ajustar la anchura del cursor (PF-740 solamente)

1. Cargue papel en los cajones.
2. Si la separación entre el cursor frontal de la plataforma (5) y el papel (14) está fuera del rango de 0,5 a 1,5 mm cuando el papel (14) toca el cursor trasero de la plataforma (8), haga el siguiente ajuste.
 - * Una anchura del cursor demasiado pequeña puede impedir la alimentación de papel; una anchura del cursor demasiado grande puede provocar problemas con la alimentación torcida de papel.

7. Den Unter-Cursor (11) anheben.
8. Auf die Formatanzeige (12) ausrichten, den Haken (13) einsetzen und den Hinterkante-Cursor (10) der Konsole anbringen.

Einstellen der Cursor-Breite (nur PF-740)

1. Papier in die Papierladen einlegen.
2. Falls der Abstand zwischen dem vorderen Konsole-Cursor (5) und dem Papier (14) außerhalb des Bereichs 0,5 bis 1,5 mm liegt, wenn das Papier (14) am hinteren Konsole-Cursor (8) anliegt, ist folgende Einstellung vorzunehmen.
 - * Eine zu kleine Cursor-Breite kann den Papiereinzug behindern, wogegen eine zu große Cursor-Breite verkanteten Papiereinzug und ähnliche Probleme verursachen kann.

7. Sollevare il cursore secondario (11).
8. Allineare con l'indicatore formato (12), fissare il gancio (13) e installare il cursore del bordo di uscita del deck (10).

Regolazione della larghezza del cursore (solo PF-740)

1. Caricare carta nei cassetti.
2. Se lo spazio tra il cursore frontale del deck (5) e la carta (14) è fuori della gamma da 0,5 a 1,5 mm quando la carta (14) tocca il cursore posteriore del deck (8), eseguire la regolazione seguente.
 - * Una larghezza dei cursori troppo piccola può ostacolare l'alimentazione della carta, mentre una larghezza dei cursori troppo grande può essere causa di problemi, come ad esempio l'alimentazione obliqua della carta.

7. 抬起副游标 (11)。
8. 对齐尺寸标记 (12)，将卡扣 (13) 嵌入以安装堆纸板后部游标 (10)。

游标宽度的调节 (仅限 PF-740)

1. 在供纸盒中装入纸张。
2. 在堆纸板后部游标 (8) 与纸张 (14) 接触的状态下，如果堆纸板前部游标 (5) 与纸张 (14) 的间隙超出了 0.5 ~ 1.5mm 的范围，须进行以下调节。
 - ※ 如果游标宽度过小，可能造成不供纸，游标宽度过大，则可能发生歪斜进纸等情况。

7. 서브커서 (11) 를 세웁니다 .
8. 크기표시 (12) 에 맞춰 후크 (13) 를 판백데크 후단커서 (10) 를 부착합니다 .

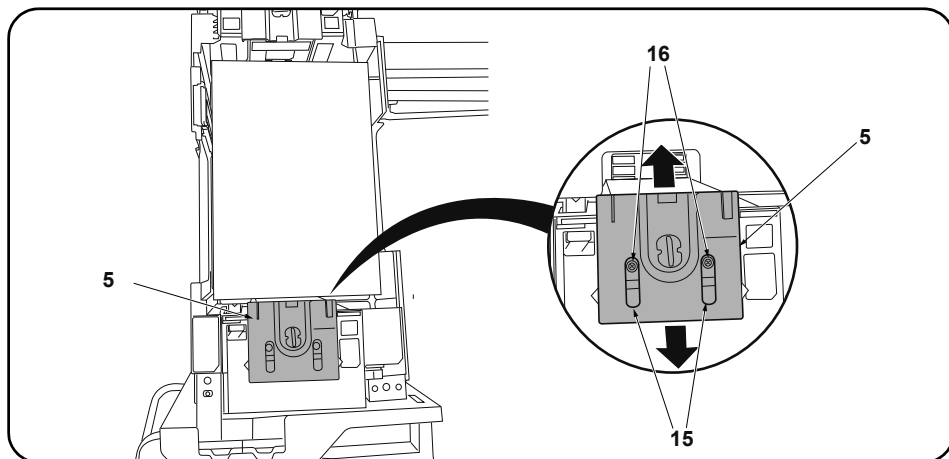
커서 폭 조정 (PF-740 만)

1. 카세트에 용지를 장착합니다 .
2. 데크커서 뒤 (8) 에 용지 (14) 가 접하고 있는 상태에서 데크커서 앞 (5) 과 용지 (14) 의 틈이 0.5 ~ 1.5mm 의 범위외의 경우에는 이하의 조정을 합니다 .
 - ※ 커서 폭이 작으면 무급지, 커서 폭이 크면 경사급지 등이 발생할 가능성이 있습니다 .

7. サブカーソル (11) を起こす。
8. サイズ表示 (12) に合わせて、フック (13) をはめデッキ後端カーソル (10) を取り付ける。

カーソル幅の調整 (PF-740 のみ)

1. カセットに用紙をセットする。
2. デッキカーソル後 (8) に用紙 (14) が接している状態で、デッキカーソル前 (5) と用紙 (14) の隙間が 0.5 ~ 1.5mm の範囲外の場合は、以下の調整をおこなう。
 - ※ カーソル幅が小さいと無給紙、カーソル幅が大きいと斜め給紙などが発生する可能性がある。



3. Insert a Philips-head screwdriver into the 2 long slots (15) in the front deck cursor (5) and loosen the 2 adjusting screws (16). Then move the front deck cursor (5).

4. Retighten the 2 adjusting screws (16).
5. Check that the gap between the front deck cursor (5) and the paper is between 0.5 and 1.5 mm.

3. Insérer un tournevis cruciforme dans les 2 longues fentes (15) du curseur de platine avant (5) et desserrer les 2 vis de réglage (16). Déplacer ensuite le curseur de platine avant (5).

4. Resserrer les 2 vis de réglage (16).
5. Vérifier que l'écartement entre le curseur de platine avant (5) et le papier est entre 0,5 et 1,5 mm.

3. Inserte un destornillador de cabeza Philips en las dos ranuras largas (15) en el cursor frontal de la plataforma (5) y afloje los 2 tornillos de ajuste (16). Después, mueva el cursor frontal de la plataforma (5).

4. Vuelva a apretar los 2 tornillos de ajuste (16).
5. Verifique que la separación entre el cursor frontal de la plataforma (5) y el papel sea de entre 0,5 y 1,5 mm.

3. Einen Kreuzschlitzschraubendreher in die 2 langen Öffnungen (15) im vorderen Konsole-Cursor (5) stecken und die 2 Einstellschrauben (16) lösen. Danach den vorderen Konsole-Cursor (5) verschieben.

4. Die 2 Einstellschrauben (16) wieder anziehen.
5. Vergewissern Sie sich, dass der Abstand zwischen dem vorderen Konsole-Cursor (5) und dem Papier im Bereich 0,5 bis 1,5 mm liegt.

3. Inserire un cacciavite con testa a croce tipo Philips nelle 2 fessure lunghe (15) nel cursore frontale del deck (5) e allentare le 2 viti di regolazione (16). Quindi spostare il cursore frontale del deck (5).

4. Ristringere le 2 viti di regolazione (16).
5. Controllare che lo spazio tra il cursore frontale del deck (5) e la carta sia compreso nella gamma tra 0,5 e 1,5 mm.

3. 将十字螺丝刀从堆纸板前部游标 (5) 的 2 处长孔 (15) 处插入, 拧松 2 颗调节螺丝 (16), 移动堆纸板前部游标 (5)。

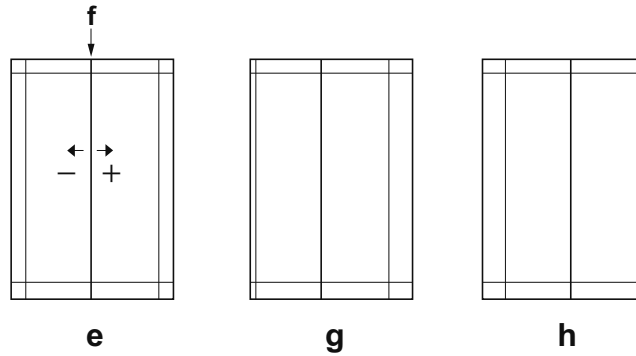
4. 拧紧 2 颗调节螺丝 (16)。
5. 确认堆纸板前部游标 (5) 与纸张的间隙在 0.5 ~ 1.5mm 的范围内。

3. 데크커서 앞 (5) 2 곳의 긴 구멍 (15) 에서 플러스 드라이버를 넣어 조정나사 (16) 2 개를 느슨하게 하고 데크커서 앞 (5) 을 이동시킵니다 .

4. 조정나사 (16) 2 개를 조입니다 .
5. 데크커서 앞 (5) 과 용지의 틈이 0.5 ~ 1.5 mm 범위내가 되어 있는 것을 확인합니다 .

3. デッキカーソル前 (5) の 2 箇所 の 長穴 (15) から プラスドライバー 挿入し、調整ビス (16) 2 本を緩め、デッキカーソル前 (5) を移動させる。

4. 調整ビス (16) 2 本を締め付ける。
5. デッキカーソル前 (5) と用紙の隙間が 0.5 ~ 1.5mm の範囲内になっていることを確認する。



Adjusting the center line

The reference value for the center line is ± 0.5 mm or less at position (f) in the correct image (e). If the center line position is outside this range, perform the following adjustment.

1. Set maintenance mode U034, select LSU Out Left and Cassette 5, Cassette 6 or Cassette 7.
2. Adjust the values.
Test pattern (g): Increase the setting value. Test pattern (h): Decrease the setting value.
3. Press the Start key to confirm the setting value.

Réglage de l'axe

La valeur de référence pour l'axe est de $\pm 0,5$ mm ou moins à la position (f) d'une image correcte (e). Si la position de l'axe est hors de cette plage, effectuez le réglage suivant.

1. Passer au mode maintenance U034, sélectionner LSU Out Left et Cassette 5, Cassette 6 ou Cassette 7.
2. Régler les valeurs.
Mire d'essai (g): Augmentez la valeur de réglage. Mire d'essai (h): Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la línea central

El valor de referencia de la línea central es de $\pm 0,5$ mm o menor, en la posición (f) de la imagen correcta (e). Si la posición de la línea central estuviera fuera de este rango, haga el siguiente ajuste.

1. Entre al modo mantenimiento U034, seleccione LSU Out Left y Cassette 5, Cassette 6 o Cassette 7.
2. Ajuste los valores.
Patrón de prueba (g): Aumente el valor de configuración. Patrón de prueba (h): Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen der Mittelinie

Der Bezugswert für die Mittelinie ist $\pm 0,5$ mm oder weniger an Position (f) des korrekten Bilds (e). Falls die Mittelinie außerhalb dieses Bereichs liegt, ist folgende Einstellung vorzunehmen.

1. In den Wartungsmodus U304 schalten und LSU Out Left und Cassette 5, Cassette 6 oder Cassette 7 wählen.
2. Die Werte einstellen.
Testmuster (g): Den Einstellwert erhöhen. Testmuster (h): Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della linea centrale

Il valore di riferimento per la linea centrale è $\pm 0,5$ mm o inferiore alla posizione (f) nell'immagine corretta (e). Se la posizione della linea centrale è all'infuori di questa gamma, effettuare la regolazione seguente.

1. Impostare la modalità di manutenzione U034, selezionare LSU Out Left e Cassette 5, Cassette 6 o Cassette 7.
2. Regolare i valori.
Modello di prova (g): Aumentare il valore dell'impostazione. Modello di prova (h): Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

中心线调节

中心线的基准值在矫正图像 (e) 的 (f) 位置为 ± 0.5 mm 以内。超出该范围时, 须进行以下调节。

1. 设置维护模式 U034, 选择 LSU Out Left、Cassette5、Cassette6 或 Cassette7。
2. 调整设定值。
测试图案 (g): 调高设定值。测试图案 (h): 调低设定值。
3. 按 Start 键, 以确定设定值。

센터라인 조정

센터라인은 적정화상 (e) 의 (f) 위치에서 기준치는 ± 0.5 mm 이내 . 여기에서 벗어나는 것은 이하의 조정을 합니다 .

1. 메인テナンス 모드 U034 을 세트하고 LSU Out Left, Cassette5, Cassette6 또는 Cassette7 을 선택합니다 .
2. 설정치를 조정합니다 .
테스트 패턴 (g) : 설정치를 높입니다 . 테스트 패턴 (h) : 설정치를 내립니다 .
3. 시작키를 누르고 설정치를 확인합니다 .

センターライン調整

センターラインは、適正画像 (e) の (f) の位置で基準値は ± 0.5 mm 以内。これから外れるときは以下の調整をおこなう。

1. メンテナンスモード U034 をセットし、LSU Out Left、Cassette5、Cassette6 または Cassette7 を選択する。
2. 設定値を調整する。
テストパターン (g) : 設定値を上げる。 テストパターン (h) : 設定値を下げる。
3. スタートキーを押し、設定値を確定する。

INSTALLATION GUIDE FOR 4000-SHEETS FINISHER

English

References to medium-speed MFPs in this document denote 30/30, 35/35, 45/45 and 55/50 ppm color machines, and 35, 45 and 55 ppm monochrome machines.

References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines.

Français

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 30/30, 35/35, 45/45 et 55/50 ppm et aux machines monochromes 35, 45 et 55 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm.

Español

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 30/30, 35/35, 45/45 y 55/50 ppm y a las máquinas monocromáticas de 35, 45 y 55 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm.

Deutsch

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 30/30, 35/35, 45/45 und 55/50 ppm Vollfarbenkopierer sowie für die 35, 45 und 55 ppm Monochrommaschinen.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbenkopierer sowie für die 65 und 80 ppm Monochrommaschinen.

Italiano

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 30/30, 35/35, 45/45 e 55/50 ppm, e le macchine monocromatiche 35, 45 e 55 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm.

简体中文

本文中的中速 MFP 代表彩色 30/30 页机型、35/35 页机型、45/45 页机型、55/50 页机型、黑白 35 页机型、45 页机型、55 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。

한국어

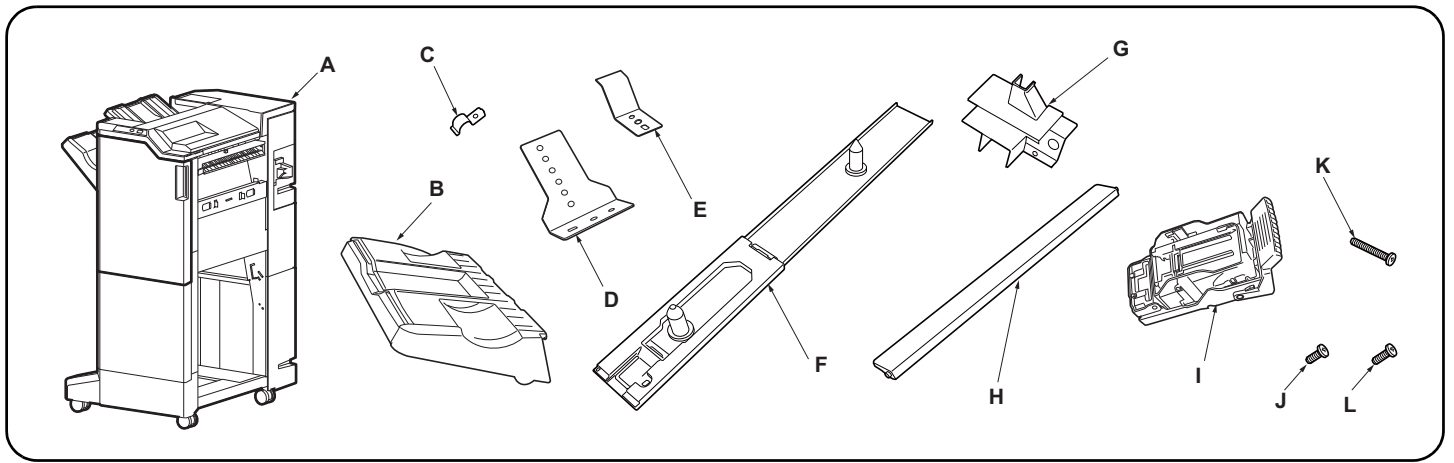
본문 중 중속 MFP 는 컬러 30/30 매기, 35/35 매기, 45/45 매기, 55/50 매기, 흑백 35 매기, 45 매기, 55 매기를 나타냅니다.

본문 중 고속 MFP 는 컬러 65/65 매기, 75/70 매기, 흑백 65 매기, 80 매기를 나타냅니다.

日本語

本文中の中速 MFP はカラー機の 30/30 枚機、35/35 枚機、45/45 枚機、55/50 枚機、モノクロ機の 35 枚機、45 枚機、55 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。



Supplied parts

A. Document finisher.....	1
B. Eject tray.....	1
C. Upper earth plate.....	1
D. Earth connection plate.....	1
E. Earth spring.....	1
F. Connecting plate.....	1

G. Wire guide.....	1
H. Eject guide.....	1
I. Staple cartridge.....	1
J. M4 × 8 screw.....	4
K. M4 × 30 screw.....	2
L. M4 × 10 screw (black).....	1

Be sure to remove any tape and/or cushioning material from supplied parts.

Pièces fournies

A. Retoucheur de document.....	1
B. Bac d'éjection.....	1
C. Prise de terre supérieure.....	1
D. Plaque de raccordement de mise à la terre.....	1
E. Ressort de mise à la terre.....	1
F. Plaque de connexion.....	1

G. Guide câble.....	1
H. Guide d'éjection.....	1
I. Cartouche d'agrafes.....	1
J. Vis M4 × 8.....	4
K. Vis M4 × 30.....	2
L. Vis M4 × 10 (noire).....	1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Partes suministradas

A. Finalizador de documentos.....	1
B. Bandeja de salida.....	1
C. Placa de conexión a tierra superior.....	1
D. Placa de conexión a tierra.....	1
E. Resorte de conexión a tierra.....	1
F. Placa de conexión.....	1

G. Guía para el cable.....	1
H. Guía de salida.....	1
I. Cartucho de grapas.....	1
J. Tornillo M4 × 8.....	4
K. Tornillo M4 × 30.....	2
L. Tornillo M4 × 10 (negro).....	1

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

Gelieferte Teile

A. Dokument Finishers.....	1
B. Auswerffach.....	1
C. Obere Grundplatte.....	1
D. Grundanschlussplatte.....	1
E. Grundfeder.....	1
F. Verbindungsplatte.....	1

G. Kabelführung.....	1
H. Auswerfführung.....	1
I. Heftklammermagazin.....	1
J. M4 × 8 Schraube.....	4
K. M4 × 30 Schraube.....	2
L. M4 × 10 Schraube (schwarz).....	1

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Parti di forniture

A. Finitrice di documenti.....	1
B. Vassoio di espulsione.....	1
C. Piastra di messa a terra superiore.....	1
D. Piastra di connessione per messa a terra.....	1
E. Molla di messa a terra.....	1
F. Piastra di connessione.....	1

G. Guida cavi.....	1
H. Guida di espulsione.....	1
I. Cartuccia punti metallici.....	1
J. Vite M4 × 8.....	4
K. Vite M4 × 30.....	2
L. Vite M4 × 10 (nera).....	1

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

附属品

A. 装订器.....	1
B. 排纸托盘.....	1
C. 上部接地板.....	1
D. 接地安装板.....	1
E. 接地弹簧.....	1

F. 连接板.....	1
G. 电线导向板.....	1
H. 排纸导向板.....	1
I. 装订针盒.....	1
J. M4×8 螺丝.....	4
K. M4×30 螺丝.....	2

L. M4×10 螺丝 (黑).....	1
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如果附属品上带有固定胶带, 缓冲材料时务必揭下。

동봉품

A. 문서 피니셔.....	1
B. 배출 트레이.....	1
C. 접지판 상.....	1
D. 접지 부착판.....	1
E. 접지 스프링.....	1

F. 연결판.....	1
G. 전선 가이드.....	1
H. 배출 가이드.....	1
I. 스테이플 카트리지.....	1
J. 나사 M4×8.....	4
K. 나사 M4×30.....	2

L. 나사 M4×10 (흑).....	1
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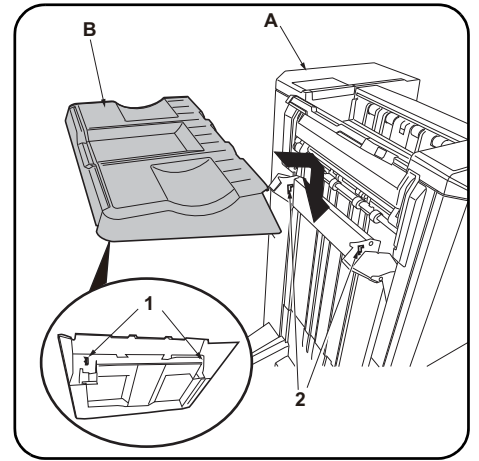
동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

同梱品

A. ドキュメントフィニッシャー.....	1
B. 排出トレイ.....	1
C. アース板上.....	1
D. アース取付板.....	1
E. アースパネ.....	1
F. 連結板.....	1

G. 電線ガイド.....	1
H. 排出ガイド.....	1
I. ステープルカートリッジ.....	1
J. ビス M4×8.....	4
K. ビス M4×30.....	2
L. ビス M4×10 (黒).....	1

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。



NOTICE

When installing on a medium-speed MFP, the Attachment Kit (AK-730) must be installed before the document finisher is installed.

ProcEDURE

Before installing the document finisher, make sure that the MFP's main power switch is turned off and that its power cord is unplugged from the power outlet.

1. Install by inserting the 2 hooks (1) on the back of the eject tray (B) into the holes (2) in the document finisher (A) lift.

AVIS

Pour le montage sur un MFP à vitesse moyenne, le gabarit de fixation (AK-730) doit être en place avant de procéder à l'installation du retoucheur de document.

Procédure

Avant d'installer le retoucheur de document, s'assurer que l'interrupteur d'alimentation principal du MFP est hors tension et que le cordon d'alimentation est débranché de la prise secteur.

1. Procéder en insérant les 2 crochets (1) au dos du bac d'éjection (B) dans les trous (2) du dispositif de levage du retoucheur de document (A).

AVISO

Cuando instala en una MFP de velocidad media, el Kit de instalación (AK-730) debe instalarse antes de instalar el finalizador de documentos.

Procedimiento

Antes de instalar el finalizador de documentos, asegúrese de que el interruptor principal de la alimentación de la MFP esté desconectado y que su cable de alimentación esté desconectado de la toma de corriente.

1. Instale insertando los 2 ganchos (1) de la parte posterior de la bandeja de salida (B) en los orificios (2) del elevador del finalizador de documentos (A).

HINWEIS

Bei der Installation an einem MFP der mittleren Leistungsklasse muss der Gerätezusatz (AK-730) installiert werden, bevor man den Dokument-Finisher installiert.

Verfahren

Vor dem Einbau des Dokument-Finishers muss der MFP-Hauptschalter aktiviert, und das Netzkaabel von der Steckdose abgezogen sein.

1. Setzen Sie die 2 Haken (1) zur Befestigung an der Rückseite des Auswerffachs (B) in die Öffnungen (2) an der Hebeplatte (A) des Dokument-Finishers ein.

NOTIFICA

Quando si installa su una MFP a velocità media, il kit accessorio (AK-730) deve essere installato prima che sia installata la finitrice di documenti.

Procedura

Prima di installare la finitrice di documenti, assicurarsi che l'interruttore principale della MFP sia spento e che il cavo di alimentazione non sia inserito nella presa.

1. Installare inserendo i 2 ganci (1) sul retro del vassoio di espulsione (B) nei fori (2) sul sollevatore della finitrice di documenti (A).

注意

安装于中速 MFP 上时, 在安装装订器前, 需要先安装连接组件 (AK-730)。

安装步骤

安装装订器时, 必须先关闭 MFP 主机的主电源开关, 并拔下电源插头后再进行作业。

1. 将排纸托盘排 (B) 内侧的 2 个卡扣 (1) 装入装订器 (A) 的升降板的孔 (2) 中。

주의

중속 MFP 에 설치하는 경우, 문서 피니셔를 부착하기 전에 연결 키트 (AK-730) 의 부착을 할 것.

장착순서

문서 피니셔를 장착할 때에는 반드시 MFP 본체의 주 전원 스위치를 OFF 로 하고 전원 플러그를 빼고 작업을 할 것.

1. 배출 트레이 (B) 의 후면 후크 (1) 2 개를 문서 피니셔 (A) 의 승강판 구멍 (2) 에 넣고 장착합니다.

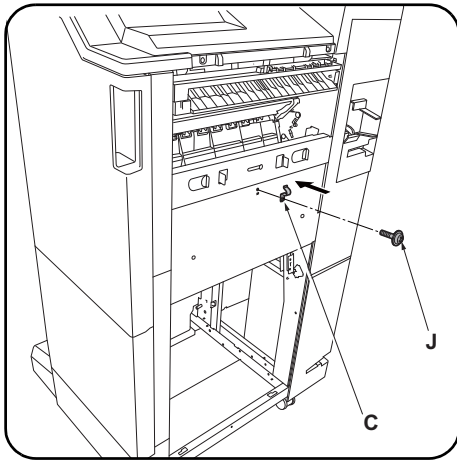
注意

中速 MFP に設置する場合、ドキュメントフィニッシャーを取り付ける前に、アタッチメントキット (AK-730) の取り付けをおこなうこと。

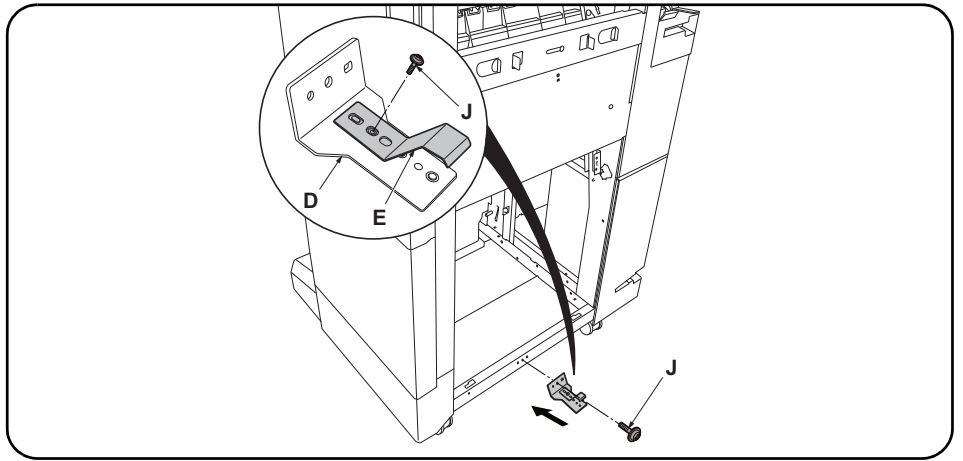
取付手順

ドキュメントフィニッシャーを取り付ける際は、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを外して作業をおこなうこと。

1. 排出トレイ (B) の裏側のフック (1) 2 個をドキュメントフィニッシャー (A) の昇降板の穴 (2) に入れて、取り付ける。



2. Secure the upper earth plate (C) with an M4 x 8 screw (J).



Installation on medium-speed MFPs

- Using an M4 x 8 screw (J), secure the earth spring (E) in the location indicated by the "55 ↓" marking on the earth connection plate (D).
- Attach the earth connection plate (D) to the center of the bottom of the document finisher using an M4 x 8 screw (J). Proceed to step 7.

2. Monter la fixation supérieure de la mise à la terre (C) à l'aide d'une vis M4 x 8 (J).

Montage sur des MFP à vitesse moyenne

- En procédant à l'aide d'une vis M4 x 8 (J), fixer le ressort de mise à la terre (E) à l'endroit indiqué par la marque "55 ↓" sur la plaque de raccordement de mise à la terre (D).
- Fixer la plaque de raccordement de mise à la terre (D) au milieu de la partie inférieure du retoucheur de document avec une vis M4 x 8 (J). Passer à l'étape 7.

2. Asegure la placa de conexión a tierra superior (C) con un tornillo M4 x 8 (J).

Instalación en las MFP de velocidad media

- Con un tornillo M4 x 8 (J), asegure el resorte de conexión a tierra (E) en el lugar indicado por la marca "55 ↓" de la placa de conexión a tierra (D).
- Fije la placa de conexión a tierra (D) en el centro de la parte inferior del finalizador de documentos usando un tornillo M4 x 8 (J). Vaya al paso 7.

2. Befestigen Sie die obere Grundplatte (C) mit einer M4 x 8 Schraube (J).

Installation an MFP der mittleren Leistungsklasse

- Befestigen Sie die Grundfeder (E) mit einer M4 x 8 Schraube (J) an der mit "55 ↓" bezeichneten Stelle der Grundanschlussplatte (D).
- Bringen Sie die Grundanschlussplatte (D) mit einer M4 x 8 Schraube (J) mittig an der Unterseite des Dokument-Finishers an. Gehen Sie weiter zu Schritt 7.

2. Fissare la piastra di messa a terra superiore (C) con una vite M4 x 8 (J).

Installazione sulle MFP a velocità media

- Utilizzando una vite M4 x 8 (J), fissare la molla di messa a terra (E) nella posizione indicata dal segno "55 ↓" sulla piastra di connessione per messa a terra (D).
- Applicare la piastra di connessione per messa a terra (D) al centro in basso della finitrice di documenti utilizzando una vite M4 x 8 (J). Procedere al passo 7.

2. 使用 M4×8 螺丝 (J) 来固定上部接地板 (C)。

安装于中速 MFP 上时

- 在接地安装板 (D) 上刻有 55 ↓ 的位置使用 1 颗 M4×8 螺丝 (J) 来固定接地弹簧 (E)。
- 使用 M4×8 螺丝 (J) 将接地安装板 (D) 安装到装订器下部中心位置。进至步骤 7。

2. 접지판 상 (C) 을 나사 M4×8(J) 로 고정합니다 .

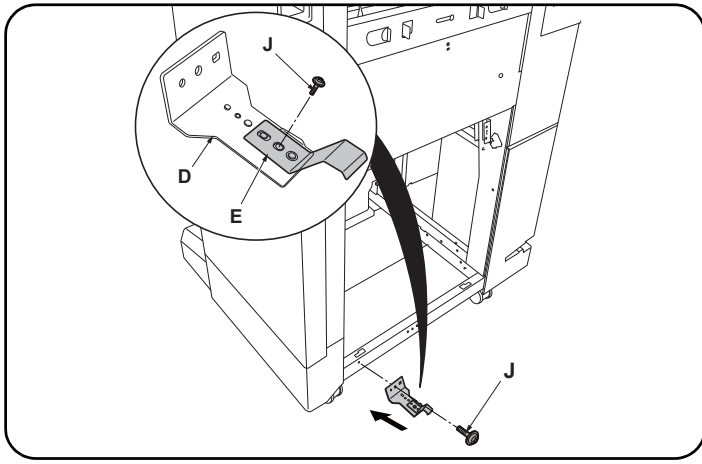
중속 MFP 에 설치하는 경우

- 접지 부착판 (D) 의 각인 55 ↓ 의 위치에 나사 M4×8(J) 1 개로 접지스프링 (E) 을 고정합니다 .
- 나사 M4×8(J) 로 접지 부착판 (D) 을 문서 피니셔 하부센터에 부착합니다 . 순서 7 로 진행합니다 .

2. アース板上 (C) をビス M4×8(J) で固定する。

中速 MFP に設置の場合

- アース取付板 (D) の刻印 55 ↓ の位置にビス M4×8(J) 1 本でアースバネ (E) を固定する。
- ビス M4×8(J) でアース取付板 (D) をドキュメントフィニッシャー下部センターに取り付ける。手順 7 に進む。



Installation on high-speed MFPs

- Using an M4 × 8 screw (J), secure the earth spring (E) in the location indicated by the "65 ↑" marking on the earth connection plate (D).
- Attach the earth connection plate (D) to the front side of the bottom of the document finisher using an M4 × 8 screw (J).

Montage sur des MFP à grande vitesse

- En procédant à l'aide d'une vis M4 × 8 (J), fixer le ressort de mise à la terre (E) à l'endroit indiqué par la marque "65 ↑" sur la plaque de raccordement de mise à la terre (D).
- Fixer la plaque de raccordement de mise à la terre (D) à l'avant de la partie inférieure du retoucheur de document avec une vis M4 × 8 (J).

Instalación en las MFP de alta velocidad

- Con un tornillo M4 × 8 (J), asegure el resorte de conexión a tierra (E) en el lugar indicado por la marca "65 ↑" de la placa de conexión a tierra (D).
- Fije la placa de conexión a tierra (D) en el lado frontal de la parte inferior del finalizador de documentos usando un tornillo M4 × 8 (J).

Installation an MFP der Hochleistungsklasse

- Befestigen Sie die Grundfeder (E) mit einer M4 × 8 Schraube (J) an der mit "65 ↑" bezeichneten Stelle der Grundanschlussplatte (D).
- Bringen Sie die Grundanschlussplatte (D) mit einer M4 × 8 Schraube (J) vorne an der Unterseite des Dokument-Finishers an.

Installazione sulle MFP a velocità alta

- Utilizzando una vite M4 × 8 (J), fissare la molla di messa a terra (E) nella posizione indicata dal segno "65 ↑" sulla piastra di connessione per messa a terra (D).
- Applicare la piastra di connessione per messa a terra (D) al lato anteriore in basso della finitrice di documenti utilizzando una vite M4 × 8 (J).

安装于高速 MFP 上时

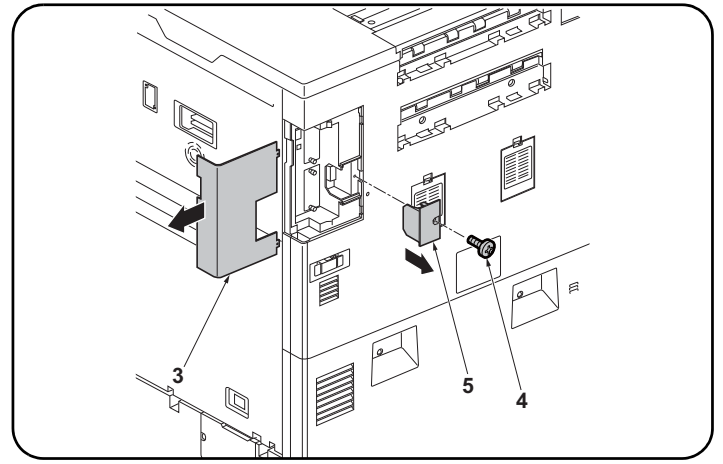
- 在接地安装板 (D) 上刻有 65 ↑ 的位置使用 1 颗 M4×8 螺丝 (J) 来固定接地弹簧 (E)。
- 使用 M4×8 螺丝 (J) 将接地安装板 (D) 安装到装订器下部前侧位置。

고속 MFP 에 설치하는 경우

- 접지 부착판 (D) 의 각인 65 ↑ 의 위치에 나사 M4×8(J) 1 개로 접지스프링 (E) 을 고정합니다 .
- 나사 M4×8(J) 로 접지 부착판 (D) 을 문서 피니셔 하부앞측에 부착합니다 .

高速 MFP に設置の場合

- アース取付板 (D) の刻印 65 ↑ の位置にビス M4×8(J) 1 本でアースバネ (E) を固定する。
- ビス M4×8(J) でアース取付板 (D) をドキュメントフィニッシャー下部前側に取り付ける。



Only for installation on high-speed MFPs

- If installing on a medium-speed MFP, proceed to step 7.
- Remove the MFP interface cover (3).
 - Remove the screw (4) and remove the controller cover (5).

Pour montage sur des MFP à grande vitesse uniquement

- Si le montage est fait sur un MFP à vitesse moyenne, passer à l'étape 7.
- Déposer le couvercle d'interface (3) du MFP.
 - Déposer la vis (4) puis le couvercle du contrôleur (5).

Solo para la instalación en las MFP de alta velocidad

- Si se instala en una MFP de velocidad media, vaya al paso 7.
- Quite la cubierta de la interfaz (3) de la MFP.
 - Quite el tornillo (4) y quite la cubierta del controlador (5).

Nur bei Installation an MFP der Hochleistungsklasse

- Gehen Sie zur Installation an einem MFP der mittleren Leistungsklasse weiter zu Schritt 7.
- Nehmen Sie die MFP-Schnittstellenabdeckung (3) ab.
 - Entfernen Sie die Schraube (4) und nehmen Sie die Controller-Abdeckung (5) ab.

Solo per l'installazione sulle MFP a velocità alta

- Se si installa su una MFP a velocità media, procedere al passo 7.
- Rimuovere la copertura di interfaccia (3) dell'MFP.
 - Rimuovere la vite (4) e quindi rimuovere il coperchio del controller (5).

仅限安装于高速 MFP 上时

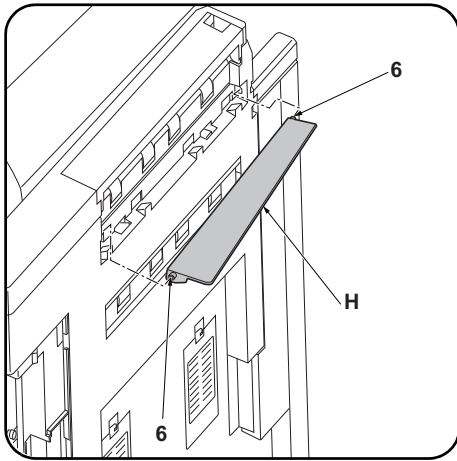
- 安装于中速 MFP 上时, 进至步骤 7。
- 拆下 MFP 主机的接口盖板 (3)。
 - 拆除 1 颗螺丝 (4), 拆下控制器盖板 (5)。

고속 MFP 에 설치하는 경우만

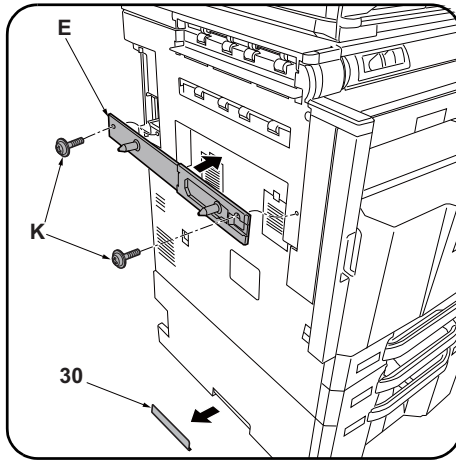
- 중속 MFP 에 설치하는 경우에는 순서 7 로 진행합니다 .
- MFP 본체의 인터페이스커버 (3) 을 제거합니다 .
 - 나사 (4) 1 개를 빼고 컨트롤러덮개 (5) 를 제거합니다 .

高速 MFP に設置の場合のみ

- 中速 MFP に設置の場合は手順 7 に進む。
- MFP 本体のインターフェイスカバー (3) を取り外す。
 - ビス (4) 1 本外し、コントローラーフタ (5) を取り外す。



7. Install the eject guide (H) by fitting the 2 eject guide pins (6) into the holes in the MFP.

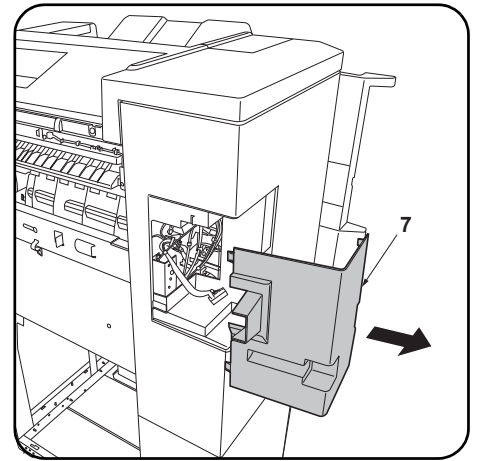


8. Attach the connecting plate (F) to the MFP using 2 M4 x 30 screws (K).

Only if installing to a medium-speed MFP

If installing on a high-speed MFP, proceed to step 10.

9. Remove the breakaway cover (30) from the left cover.



10. Remove the tape and remove the rear cover (7).

7. Installer le guide d'éjection (H) en insérant les 2 ergots du guide d'éjection (6) dans les trous du MFP.

8. Fixer la plaque de connexion (F) au MFP à l'aide de 2 vis M4 x 30 (K).

Uniquement en cas d'installation sur un MFP à vitesse moyenne

Si le montage est fait sur un MFP à grande vitesse, passer à l'étape 10.

9. Déposer le couvercle amovible (30) du capot gauche.

10. Enlever la bande adhésive et déposer le couvercle arrière (7).

7. Instale la guía de salida (H) encajando los 2 pasadores de la guía de salida (6) en los orificios de la MFP.

8. Fije la placa de conexión (F) a la MFP mediante 2 tornillos M4 x 30 (K).

Solo si instala en una MFP de velocidad media

Si se instala en una MFP de alta velocidad, vaya al paso 10.

9. Quite la cubierta divisoria (30) de la cubierta izquierda.

10. Quite la cinta y la cubierta posterior (7).

7. Bringen Sie die Auswerfführung (H) an, indem Sie die 2 Auswerfführungsstifte (6) in die Öffnungen des MFP stecken.

8. Bringen Sie die Verbindungsplatte (F) mit 2 M4 x 30 Schrauben (K) am MFP an.

Nur bei Installation eines MFP der mittleren Leistungsklasse

Gehen Sie zur Installation an einem MFP der Hochleistungsklasse weiter zu Schritt 10.

9. Nehmen Sie die Ablösungsabdeckung (30) von der linken Abdeckung ab.

10. Entfernen Sie das Band und die hintere Abdeckung (7).

7. Installare la guida di espulsione (H) inserendo i 2 perni (6) della guida di espulsione nei fori dell'MFP.

8. Applicare la piastra di connessione (F) all'MFP utilizzando le 2 viti M4 x 30 (K).

Solo se si installa ad un'MFP a velocità media

Se si installa su una MFP a velocità alta, procedere al passo 10.

9. Rimuovere il coperchio di distacco (30) dal coperchio sinistro.

10. Rimuovere il nastro e quindi rimuovere il coperchio posteriore (7).

7. 将排纸导向板 (H) 的 2 根销钉 (6) 插入 MFP 主机的孔中。

8. 使用 2 颗 M4 x 30 (K) 螺丝将连接板 (F) 安装到 MFP 主机上。

仅限安装于中速机上时

安装于高速 MFP 上时, 进至步骤 10。

9. 去除左侧盖板上的可去除部 (30)。

10. 拆除胶带, 拆下后盖板 (7)。

7. 배출 가이드 (H) 의 핀 (6) 2 개를 MFP 본체 구멍에 꽂아 장착합니다 .

8. 연결판 (F) 을 나사 M4x30(K) 2 개로 MFP 본체에 장착합니다 .

중속 MFP 에 설치할 경우만

고속 MFP 에 설치하는 경우에는 순서 10 로 진행합니다 .

9. 좌측커버의 분할커버부 (30) 를 떼어 냅니다 .

10. 테이프를 제거하고 후면커버 (7) 를 떼어 냅니다 .

7. 排出ガイド (H) のピン (6) 2 本を MFP 本体の穴に差し込み取り付けます。

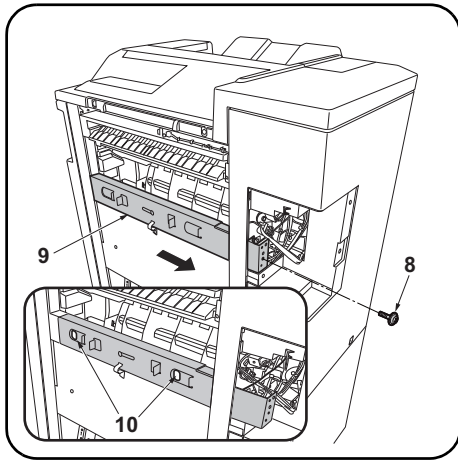
8. 連結板 (F) をビス M4x30 (K) 2 本で、MFP 本体に取り付けます。

中速 MFP に設置の場合のみ

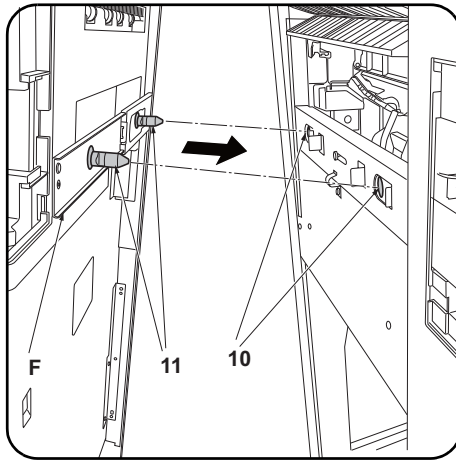
高速 MFP に設置の場合は手順 10 に進む。

9. 左カバーの割りカバー部 (30) を切り取る。

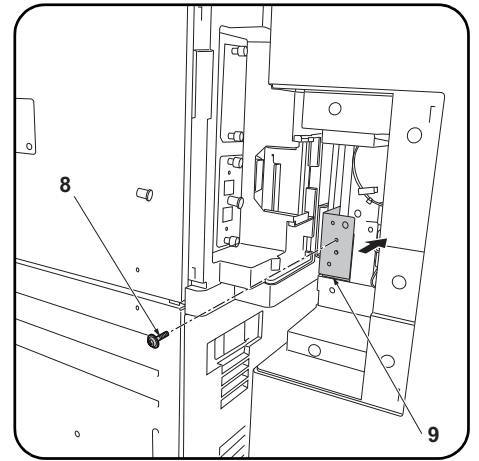
10. テープを外し、後カバー (7) を取り外す。



- 11.** Remove the screw (8) and pull the lock frame (9) outwards.
The connecting holes (10) can now be seen.



- 12.** Insert the 2 pins (11) on the connecting plate (F) into the document finisher connecting holes (10) to connect the document finisher to the MFP.
* If you cannot connect the document finisher, adjust the height as described on page 8.



- 13.** Push the lock frame (9) in fully so that the lock frame ribs fit into the pin slots.
14. Secure the lock frame (9) using the screw (8) removed in step 11.

- 11.** Déposer la vis (8) et tirer le bâti de verrouillage (9) vers l'extérieur. Les trous de raccordement (10) sont maintenant visibles.

- 12.** Insérer les 2 ergots (11) de la plaque de connexion (F) dans les trous de raccordement du retoucheur de document (10) pour connecter le retoucheur de document au MFP.
* S'il s'avère impossible de connecter le retoucheur de document, en régler la hauteur comme décrit en page 8.

- 13.** Pousser à fond le bâti de verrouillage (9) de sorte que les nervures du bâti de verrouillage pénètrent dans les encoches des ergots.
14. Fixer le bâti de verrouillage (9) à l'aide de la vis (8) déposée à l'étape 11.

- 11.** Quite el tornillo (8) y tire de la carcasa de bloqueo (9) hacia fuera. Ahora se ven los orificios de conexión (10).

- 12.** Inserte los 2 pasadores (11) de la placa de conexión (F) en los orificios de conexión del finalizador de documentos (10) para conectarlo a la MFP.
* Si no puede conectar el finalizador de documentos, ajuste la altura como se describe en la página 8.

- 13.** Presione la carcasa de bloqueo (9) completamente hacia dentro para que sus nervaduras encajen en las ranuras de los pasadores.
14. Asegure la carcasa de bloqueo (9) por medio del tornillo (8) quitado en el paso 11.

- 11.** Entfernen Sie die Schraube (8) und ziehen Sie den Fixierrahmen (9) nach außen heraus. Die Verbindungsöffnungen (10) sind nun sichtbar.

- 12.** Stecken Sie die 2 Stifte (11) an der Verbindungsplatte (F) in die Verbindungsöffnungen (10) des Dokument-Finisher, um den Dokument-Finisher mit dem MFP zu verbinden.
* Falls Sie den Dokument-Finisher nicht anschließen können, sollten Sie die Höhe wie auf Seite 8 beschrieben einstellen.

- 13.** Drücken Sie den Fixierrahmen (9) ganz ein, damit die Fixierrahmenrippen in die Stiftschlitze greifen.
14. Befestigen Sie den Fixierrahmen (9) mit der in Schritt 11 entfernten Schraube (8).

- 11.** Rimuovere la vite (8) e tirare il telaio di bloccaggio (9) verso l'esterno. È possibile ora vedere i fori di connessione (10).

- 12.** Inserire i 2 perni (11) della piastra di connessione (F) nei fori di connessione (10) della finitrice di documenti, per collegare la finitrice di documenti all'MFP.
* Se non è possibile collegare la finitrice di documenti, regolare l'altezza come descritto a pagina 8.

- 13.** Spingere completamente il telaio di bloccaggio (9) in modo che i rilievi del telaio di bloccaggio si inseriscano nelle scanalature dei perni.
14. Fissare il telaio di bloccaggio (9) utilizzando la vite (8) rimossa nel passo 11.

- 11.** 拆除 1 顆螺絲 (8)，將鎖框 (9) 向外拉出。可以看見連接用的孔 (10)。

- 12.** 將連接板 (F) 的 2 根銷釘 (11) 插入裝訂器的連接用孔 (10)，以將裝訂器與 MFP 主機連接。
※ 如果無法連接，請進行 P8 的「高度調節」。

- 13.** 將鎖框 (9) 推入到底，使鎖框的肋片嵌入銷釘的溝槽內。
14. 使用在步驟 11 中取下的 1 顆螺絲 (8) 來固定鎖框 (9)。

- 11.** 나사 (8) 1 개를 빼고 잠금 프레임 (9) 을 앞으로 뺍니다. 연결용 구멍 (10) 이 보입니다.

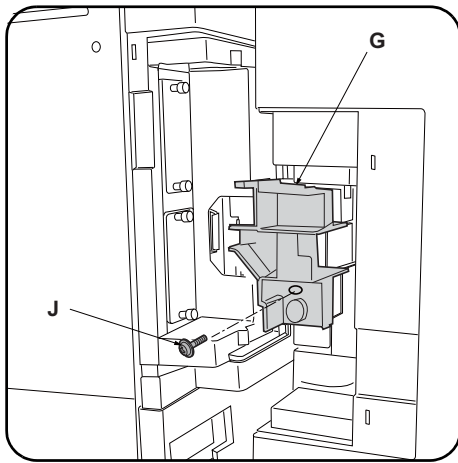
- 12.** 연결판 (F) 의 핀 (11) 2 개를 문서 피니셔의 연결용 구멍 (10) 에 삽입하고, 문서 피니셔를 MFP 본체에 접속합니다.
※ 연결할 수 없는 경우에는 P8 의 「높이조정」을 할 것.

- 13.** 잠금 프레임 (9) 을 안으로 밀고 핀의 홈에 잠금 프레임 RIB 를 끼워 넣습니다.
14. 순서 11 에서 뺐 나사 (8) 1 개로 잠금 프레임 (9) 을 고정합니다.

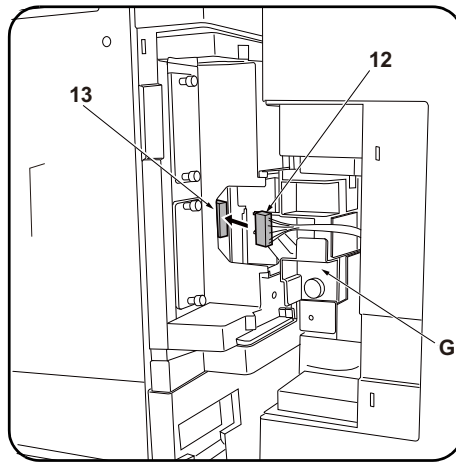
- 11.** ビス (8) 1 本を外し、ロックフレーム (9) を手前に引く。
連結用の穴 (10) が見える。

- 12.** 連結板 (F) のピン (11) 2 本をドキュメントフィニッシャーの連結用の穴 (10) に挿入して、ドキュメントフィニッシャーを MFP 本体に接続する。
※ 連結できない場合は、P8 の「高さ調整」を行う。

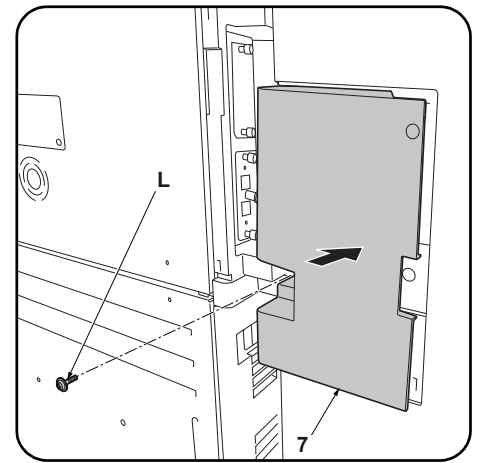
- 13.** ロックフレーム (9) を奥へ押し、ピンの溝にロックフレームのリップをはめ込む。
14. 手順 11 で外したビス (8) 1 本で、ロックフレーム (9) を固定する。



15. Install the wire guide (G) using the M4 × 8 screw (J).



16. Pass the signal line (12) through the wire guide (G) and connect it to the connector (13) on the MFP.



17. Install the back cover (7) using the M4 × 10 screw (L).

15. Installer le guide câble (G) à l'aide d'une vis M4 × 8 (J).

16. Faire passer la ligne d'interconnexion (12) dans le guide câble (G) et la raccorder au connecteur (13) sur le MFP.

17. Reposer le couvercle arrière (7) à l'aide des vis M4 × 10 (L).

15. Instale la guía para el cable (G) por medio del tornillo M4 × 8 (J).

16. Pase la línea de señales (12) a través de la guía para el cable (G) y conéctela al conector (13) de la MFP.

17. Instale la cubierta posterior (7) por medio del tornillo M4 × 10 (L).

15. Bringen Sie die Kabelführung (G) mit der M4 × 8 Schraube (J) an.

16. Führen Sie die Signalleitung (12) durch die Kabelführung (G) und schließen Sie sie am Steckverbinder (13) des MFP an.

17. Bringen Sie die hintere Abdeckung (7) mit der M4 × 10 Schraube (L) an.

15. Installare la guida cavi (G) utilizzando la vite M4 × 8 (J).

16. Far passare il cavo del segnale (12) attraverso la guida cavi (G) e collegarlo al connettore (13) sull'MFP.

17. Installare il pannello anteriore (7) utilizzando la vite M4 × 10 (L).

15. 使用 1 顆 M4×8(J) 螺丝来安装电线导向板 (G)。

16. 将信号线 (12) 在电线导向板 (G) 上配线, 与 MFP 主机的接插件 (13) 连接。

17. 使用 M4×10(L) 螺丝来安装后盖板 (7)。

15. 전선 가이드 (G) 를 나사 M4×8(J) 1 개로 장착합니다 .

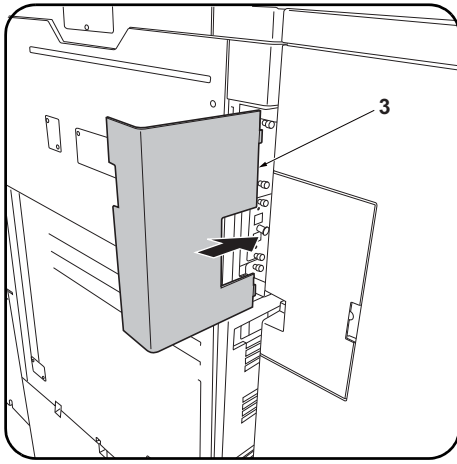
16. 신호선 (12) 을 전선 가이드 (G) 에 배선하고 MFP 본체의 커넥터 (13) 에 접속합니다 .

17. 나사 M4×10(L) 으로 후면 커버 (7) 를 장착합니다 .

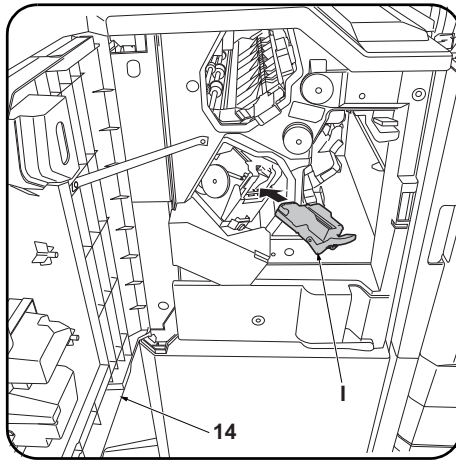
15. 電線ガイド (G) をビス M4×8(J) 1 本で取り付けます。

16. 信号線 (12) を電線ガイド (G) に配線し、MFP 本体のコネクター (13) に接続する。

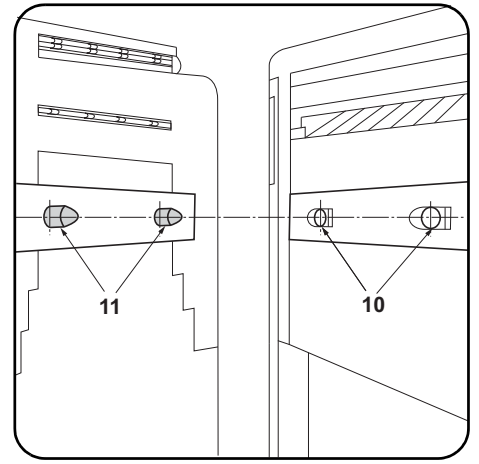
17. ビス M4×10(L) で後カバー (7) を取り付けます。



18. Install the interface cover (3)* on the MFP.
* For installation on medium-speed MFPs, the cover removed while installing the AK-730.



19. Open the document finisher upper front cover (14) and install the staple cartridge (I).
20. Close the front cover (14).



Adjusting the height
1. Check that the respective heights of the pins (11) on the connecting plate installed on the MFP and the connecting holes (10) on the document finisher comply with the standards below.

18. Reposer le couvercle d'interface (3)* sur le MFP.
* Pour montage sur un MFP à vitesse moyenne, enlever le couvercle pour installer l'AK-730.

19. Ouvrir le couvercle avant supérieur (14) du retoucheur de document et installer la cartouche d'agrafes (I).
20. Refermer le couvercle avant (14).

Réglage de la hauteur
1. Vérifier que la hauteur des différents ergots (11) de la plaque de connexion installée sur le MFP et les trous de raccordement (10) sur le retoucheur de document sont conformes à ce qui suit.

18. Instale la cubierta de la interfaz (3)* en la MFP.
* Para la instalación en las MFP de velocidad media, la cubierta quitada durante la instalación del AK-730.

19. Abra la cubierta frontal superior (14) del finalizador de documentos e instale el cartucho de grapas (I).
20. Cierre la cubierta frontal (14).

Ajuste de la altura
1. Compruebe si las alturas respectivas de los pasadores (11) de la placa de conexión instalada en la MFP y los orificios de conexión (10) del finalizador de documentos cumplen con los siguientes estándares.

18. Bringen Sie die Schnittstellenabdeckung (3)* am MFP an.
* Bei Installation an MFP der mittleren Leistungsklasse die beim Installieren des AK-730 abgenommene Abdeckung.

19. Öffnen Sie die obere vordere Abdeckung (14) des Dokument-Finishers und setzen Sie das Heftklammermagazin (I) ein.
20. Schließen Sie die vordere Abdeckung (14).

Einstellen der Höhe
1. Vergewissern Sie sich, dass die jeweilige Höhe der Stifte (11) der am MFP angebrachten Verbindungsplatte und die Verbindungsöffnungen (10) am Dokument-Finisher den nachstehenden Vorgaben entsprechen.

18. Installare la copertura di interfaccia (3)* sull'MFP.
* Per l'installazione sulle MFP a velocità media, la copertura rimossa durante l'installazione dell'AK-730.

19. Aprire il coperchio superiore anteriore (14) della finitrice di documenti e installare la cartuccia punti metallici (I).
20. Chiudere il pannello anteriore (14).

Regolazione dell'altezza
1. Controllare che le rispettive altezze dei perni (11) sulla piastra di connessione installata sull'MFP e i fori di connessione (10) sulla finitrice di documenti corrispondano ai riferimenti mostrati sotto.

18. 将接口盖板 (3)* 安装到 MFP 主机上。
* 安装于中速 MFP 上时, 在为安装 AK-730 时拆下的盖板。

19. 打开装订器的前部上盖板 (14), 安装装订针盒 (I)。
20. 关闭前部上盖板 (14)。

高度调节
1. 确认 MFP 主机上安装的连接板的销钉 (11) 和装订器的连接用孔 (10) 的高度是否符合以下标准。

18. MFP 본체에 인터페이스 커버 (3)* 를 장착합니다.
* 중속 MFP 에 설치하는 경우에는 AK-730 설치 시에 제거한 커버 .

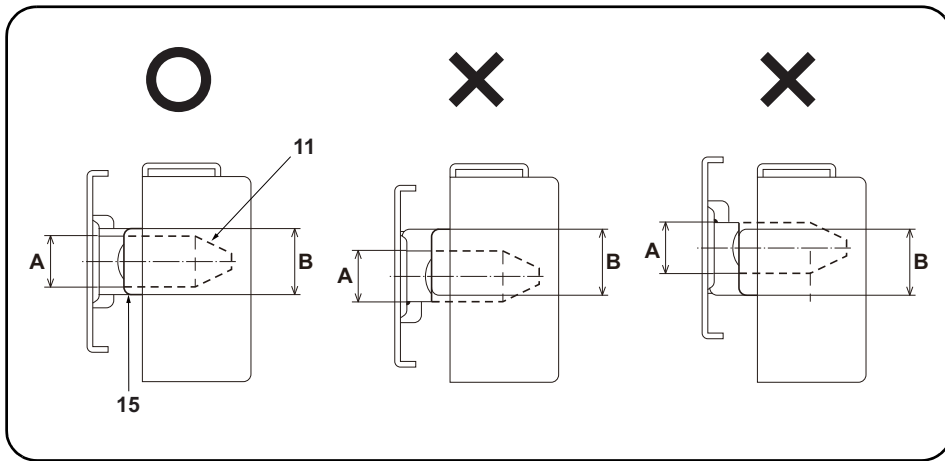
19. 문서 피니셔의 앞 상커버 (14) 를 열고 스테이플 카트리지 (I) 를 장착합니다.
20. 앞 상커버 (14) 를 닫습니다 .

높이조정
1. MFP 본체에 장착한 연결판 핀 (11) 과 문서 피니셔의 연결용 구멍 (10) 의 높이가 이하의 기준에 적합하지 확인합니다 .

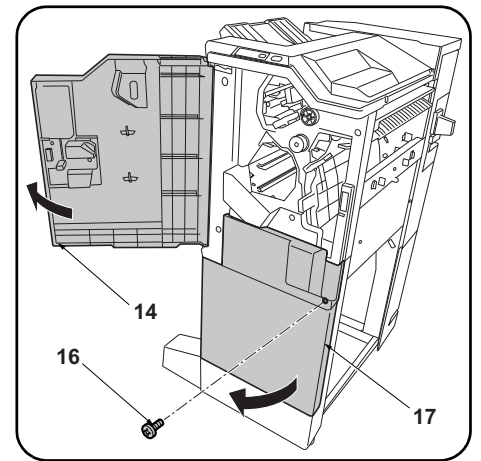
18. MFP 本体にインターフェイスカバー (3)* を取り付ける。
* 中速 MFP に設置の場合は、AK-730 設置時に取り外したカバー。

19. ドキュメントフィニッシャーの前上カバー (14) を開き、ステープルカートリッジ (I) を取り付ける。
20. 前上カバー (14) を閉じる。

高さ調整
1. MFP 本体に取り付けた連結板のピン (11) とドキュメントフィニッシャーの連結用の穴 (10) の高さが以下の基準に適合するか確認する。



Compliant: The diameter A of the pin (11) is within the height range B of the curved section (15).
 Non-compliant: The diameter A of the pin (11) extends beyond the height range B of the curved section (15).
 If the heights are non-compliant, use the procedure below to adjust the height.



2. Open the upper front cover (14) of the document finisher.
 3. Remove the screw (16) and open the lower front cover (17).

Bon : Le diamètre A de l'ergot (11) est dans les limites de hauteur B de la partie courbée (15).
 Mauvais : Le diamètre A de l'ergot (11) dépasse les limites de hauteur B de la partie courbée (15).
 Si la hauteur n'est pas conforme, l'ajuster en procédant comme indiqué ci-dessous.

2. Ouvrir le couvercle avant supérieur (14) du retoucheur de document.
 3. Déposer la vis (16) et ouvrir le couvercle avant inférieur (17).

Cumple: el diámetro A del pasador (11) está dentro del rango de altura B de la sección curvada (15).
 No cumple: el diámetro A del pasador (11) sobrepasa el rango de altura B de la sección curvada (15).
 Si las alturas no cumplen con las especificaciones, utilice el siguiente procedimiento para ajustar la altura.

2. Abra la cubierta frontal superior (14) del finalizador de documentos.
 3. Quite el tornillo (16) y abra la cubierta frontal inferior (17).

Korrekt: Der Durchmesser A des Stifts (11) befindet sich im Höhenbereich B des Kurvenabschnitts (15).
 Nicht korrekt: Der Durchmesser A des Stifts (11) ragt über den Höhenbereich B des Kurvenabschnitts (15) hinaus.
 Falls die Höhen nicht korrekt sind, müssen Sie sie wie folgend einstellen.

2. Öffnen Sie die obere vordere Abdeckung (14) des Dokument-Finishers.
 3. Entfernen Sie die Schraube (16) und öffnen Sie die untere vordere Abdeckung (17).

Conformità: Il diametro A del perno (11) è compreso nella gamma di altezza B della sezione curvata (15).
 Non conformità: Il diametro A del perno (11) si estende oltre la gamma di altezza B della sezione curvata (15).
 Se le altezze sono non corrispondenti, utilizzare la procedura riportata sotto per regolare l'altezza.

2. Aprire il coperchio superiore anteriore (14) della finitrice di documenti.
 3. Rimuovere la vite (16) ed aprire il coperchio inferiore anteriore (17).

符 合: 销钉 (11) 的直径 A 在弯曲部 (15) 的高度 B 的范围内。
 不符合: 销钉 (11) 的直径 A 超出了弯曲部 (15) 的高度 B 的范围。
 不符合时, 通过以下步骤进行调节。

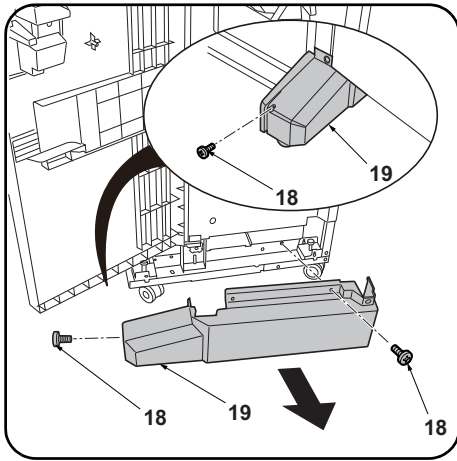
2. 打开装订器的前部上盖板 (14)。
 3. 拆除 1 颗螺丝 (16), 打开前部下盖板 (17)。

적 합 : 핀 (11) 의 직경 A 가 곡선부 (15) 의 높이 B 의 범위에 들어간다 .
 부적합: 핀 (11) 의 직경 A 가 곡선부 (15) 의 높이 B 의 범위를 넘는다 .
 부적합의 경우에는 이하의 순서대로 조정합니다 .

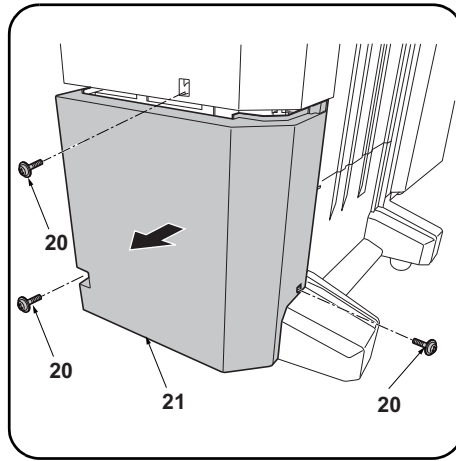
2. 문서 피니셔 앞 상커버 (14) 를 엽니다 .
 3. 나사 (16) 1 개를 제거하고 앞 하커버 (17) 를 엽니다 .

適 合: ピン (11) の直径 A が曲げ部 (15) の高さ B の範囲に収まっている。
 不適合: ピン (11) の直径 A が曲げ部 (15) の高さ B の範囲からはみだしている。
 不適合の場合は、以下の手順で調整する。

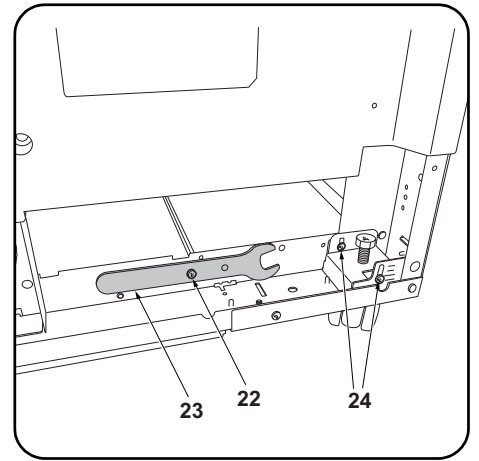
2. ドキュメントフィニッシャーの前上カバー (14) を開く。
 3. ビス (16) 1 本を外し、前下カバー (17) を開く。



4. Remove the 2 screws (18) and remove the foot cover (19).



5. Remove the 3 screws (20) and remove the lower rear cover (21).



6. Remove the screw (22) to remove the spanner (23).

7. Loosen the 2 screws (24) on the front right and on the rear right of the document finisher.

4. Déposer les 2 vis (18) puis le couvercle du pied (19).

5. Déposer les 3 vis (20) puis le couvercle arrière inférieur (21).

6. Déposer la vis (22) pour libérer la clé (23).
7. Desserrer les 2 vis (24) du côté avant droit et arrière droit du retoucheur de document.

4. Quite los 2 tornillos (18) y quite la cubierta de la pata (19).

5. Quite los 3 tornillos (20) y quite la cubierta posterior inferior (21).

6. Quite el tornillo (22) para extraer la llave inglesa (23).
7. Afloje los 2 tornillos (24) en los lados derecho frontal y derecho posterior del finalizador de documentos.

4. Entfernen Sie die 2 Schrauben (18) und nehmen Sie die Fußabdeckung (19) ab.

5. Entfernen Sie die 3 Schrauben (20) und nehmen Sie die untere hintere Abdeckung (21) ab.

6. Entfernen Sie die Schraube (22), um den Schlüssel (23) abzunehmen
7. Lösen Sie die 2 Schrauben (24) vorne rechts und hinten rechts am Dokument-Finisher.

4. Rimuovere le 2 viti (18) e quindi rimuovere la copertura del piede (19).

5. Rimuovere le 3 viti (20) e quindi rimuovere il coperchio inferiore posteriore (21).

6. Rimuovere la vite (22) per rimuovere la chiave (23).
7. Allentare le 2 viti (24) sulla parte anteriore destra e posteriore destra della finitrice di documenti.

4. 拆除 2 顆螺絲 (18), 拆下腳座蓋板 (19)。

5. 拆除 3 顆螺絲 (20), 拆下後部下蓋板 (21)。

6. 取下螺絲 (22) 以便拆下扳手 (23)。
7. 拧松裝訂器右前側與右後側的各 2 顆螺絲 (24)。

4. 나사 (18) 2 개를 제거하고, 풋커버 (19) 를 제거합니다 .

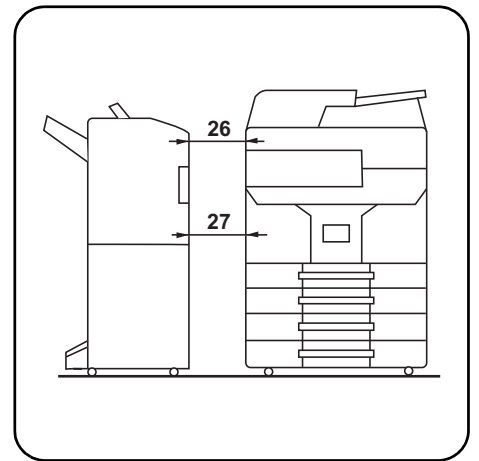
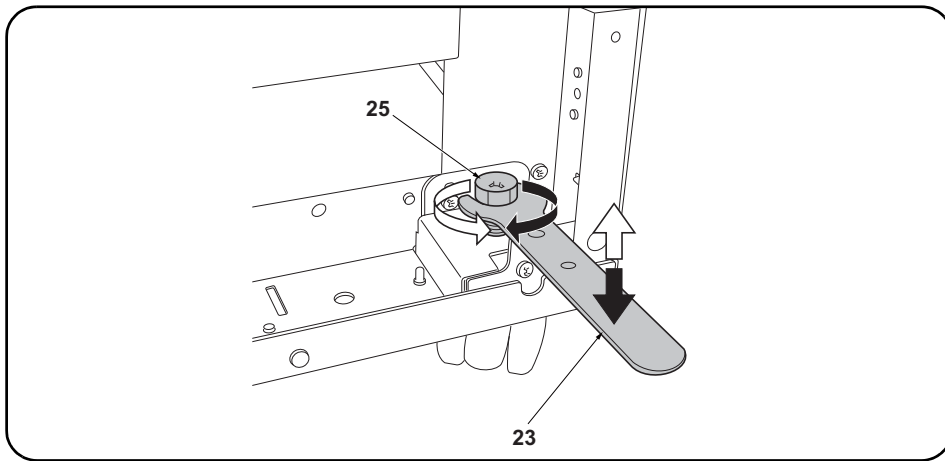
5. 나사 (20) 3 개를 제거하고, 뒤 하커버 (21) 를 제거합니다 .

6. 나사 (22) 1 개를 빼고, 스패너 (23) 를 떼어 냅니다 .
7. 문서 피니셔 우측 앞과 뒤의 나사 (24) 각 2 개를 느슨하게 합니다 .

4. ビス (18) 2 本を外し、フットカバー (19) を取り外す。

5. ビス (20) 3 本を外し、後下カバー (21) を取り外す。

6. ビス (22) 1 本を外し、スパナー (23) を取り外す。
7. ドキュメントフィニッシャー右前と右後のビス (24) 各 2 本を緩める。



8. Turn the adjustment bolts (25) with the spanner (23) to adjust the height of the document finisher. Turning the adjustment bolt clockwise lifts the document finisher, and turning it counterclockwise lowers the document finisher.
9. Retighten each of the 2 screws (24) and replace the spanner (23).

10. If the distances between the document finisher and the MFP (26, 27) are unequal, use the procedure below to adjust the spacing.

8. Faire tourner les boulons de réglage (25) avec la clé (23) pour ajuster la hauteur du retoucheur de document.
Tourner le boulon de réglage dans le sens horloger pour lever le retoucheur de document, et dans le sens contraire au sens horloger pour le descendre.
9. Resserer les 2 vis (24) et repositionner la clé (23) au même endroit.

10. Si la distance entre le retoucheur de document et le MFP (26, 27) n'est pas uniforme, régler en procédant de la manière suivante.

8. Gire los pernos de ajuste (25) con la llave inglesa (23) para ajustar la altura del finalizador de documentos.
Al girar el perno de ajuste en la dirección de las manecillas del reloj se levanta el finalizador de documentos y al girar en sentido contrario a las manecillas del reloj baja el finalizador de documentos.
9. Vuelva a apretar los 2 tornillos (24) y coloque la llave inglesa en su lugar (23).

10. Si las distancias entre el finalizador de documentos y la MFP (26, 27) no son iguales, utilice el siguiente procedimiento para ajustar la separación.

8. Drehen Sie die Einstellschrauben (25) mit dem Schlüssel (23), um die Höhe des Dokument-Finishers einzustellen.
Durch Drehen der Einstellschraube im Uhrzeigersinn wird der Dokument-Finisher angehoben, während er durch Drehen entgegen dem Uhrzeigersinn abgesenkt wird.
9. Ziehen Sie die 2 Schrauben (24) wieder an und verstauen Sie den Schlüssel (23) wieder.

10. Falls die Abstände zwischen dem Dokument-Finisher und dem MFP (26, 27) nicht gleich sind, korrigieren Sie sie wie folgend.

8. Ruotare i bulloni di regolazione (25) con la chiave (23) per regolare l'altezza della finitrice di documenti.
Ruotando il bullone di regolazione in senso orario si solleva la finitrice di documenti, mentre ruotandolo in senso antiorario si abbassa la finitrice di documenti.
9. Ristringere ciascuna delle 2 viti (24) e riporre la chiave (23).

10. Se le distanze tra la finitrice di documenti e l'MFP (26, 27) sono disuguali, utilizzare la procedura riportata sotto per regolare la spaziatura.

8. 使用扳手 (23) 旋转调节螺栓 (25), 以调节装订器的高度。
将调节螺栓向顺时针方向旋转, 装订器的高度升高, 逆时针方向旋转则装订器的高度降低。
9. 拧紧各 2 颗螺丝 (24), 按原样安装扳手 (23)。

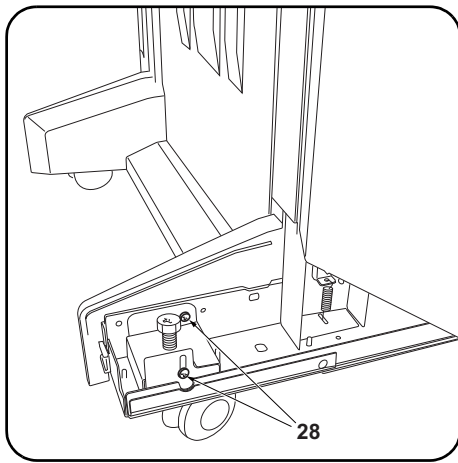
10. 装订器与 MFP 主机间的间隙 (26、27) 不等时, 按以下步骤进行调节。

8. 스패너 (23) 로 조정 볼트 (25) 를 돌려 문서 피니셔의 높이를 조정한다.
조정 볼트를 시계방향으로 돌리면 문서 피니셔의 높이가 높아지고, 반 시계방향으로 돌리면 낮아 집니다.
9. 나사 (24) 각 2 개를 조이고 스패너 (23) 를 원래 자리에 장착합니다.

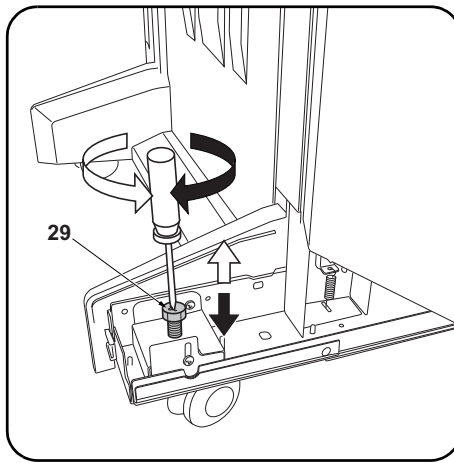
10. 문서 피니셔와 MFP 본체의 간격 (26、27) 이 같지 않은 경우에는 이하의 순서대로 조정을 합니다.

8. 스패너 (23) で調整ボルト (25) を回し、ドキュメントフィニッシャーの高さを調整する。
調整ボルトを時計方向に回すとドキュメントフィニッシャーの高さが高くなり、反時計方向に回すと低くなる。
9. ビス (24) 各 2 本を締め付け、スパンナー (23) を元通り取り付け。

10. ドキュメントフィニッシャーと MFP 本体の間隔 (26、27) が等しくない場合は、以下の手順で調整を行う。



11. Loosen the 2 screws (28) on the front left and on the rear left of the document finisher.



12. Turn the adjustment bolts (29) with a Phillips-head screwdriver to adjust the height of the document finisher. Turning the adjustment bolt clockwise lifts the document finisher, and turning it counter-clockwise lowers the document finisher.

13. Retighten each of the 2 screws (28).
14. Reinstall the foot cover (19) and lower rear cover (21).

11. Desserrer les 2 vis (28) du côté avant gauche et arrière gauche du retoucheur de document.

12. Faire tourner les boulons de réglage (29) à l'aide d'un tournevis cruciforme pour ajuster la hauteur du retoucheur de document. Tourner le boulon de réglage dans le sens horloger pour lever le retoucheur de document, et dans le sens contraire au sens horloger pour le descendre.

13. Resserrer les 2 vis (28).
14. Reposer le couvercle du pied (19) et le couvercle arrière inférieur (21).

11. Afloje los 2 tornillos (28) en los lados izquierdo frontal e izquierdo posterior del finalizador de documentos.

12. Gire los pernos de ajuste (29) con un destornillador de cabeza Philips para ajustar la altura del finalizador de documentos. Al girar el perno de ajuste en la dirección de las manecillas del reloj se levanta el finalizador de documentos y al girar en sentido contrario a las manecillas del reloj baja el finalizador de documentos.

13. Vuelva a apretar los 2 tornillos (28).
14. Vuelva a instalar la cubierta de la pata (19) y la cubierta posterior inferior (21).

11. Lösen Sie die 2 Schrauben (28) vorne links und hinten links am Dokument-Finisher.

12. Stellen Sie die Einstellschrauben (29) mit einem Kreuzschlitzschraubendreher ein, um die Höhe des Dokument-Finishers zu korrigieren. Durch Drehen der Einstellschraube im Uhrzeigersinn wird der Dokument-Finisher angehoben, während er durch Drehen entgegen dem Uhrzeigersinn abgesenkt wird.

13. Ziehen Sie die 2 Schrauben (28) nach.
14. Setzen Sie die Fußabdeckung (19) und die untere hintere Abdeckung (21) wieder ein.

11. Allentare le 2 viti (28) sulla parte anteriore sinistra e posteriore sinistra della finitrice di documenti.

12. Ruotare i bulloni di regolazione (29) con un cacciavite con testa a croce tipo Philips per regolare l'altezza della finitrice di documenti. Ruotando il bullone di regolazione in senso orario si solleva la finitrice di documenti, mentre ruotandolo in senso antiorario si abbassa la finitrice di documenti.

13. Ristringere ciascuna delle 2 viti (28).
14. Reinstallare la copertura del piede (19) e il coperchio inferiore posteriore (21).

11. 拧松装订器左前侧与左后侧的各2颗螺丝(28)。

12. 使用十字螺丝刀旋转调节螺栓(29),以调节装订器的高度。将调节螺栓向顺时针方向旋转,装订器的高度升高,逆时针方向旋转则装订器的高度降低。

13. 拧紧各2颗螺丝(28)。
14. 按原样安装脚座盖板(19)、后部下盖板(21)。

11. 문서 피니셔 좌측 앞과 뒤의 나사(28) 각 2개를 느슨하게 합니다.

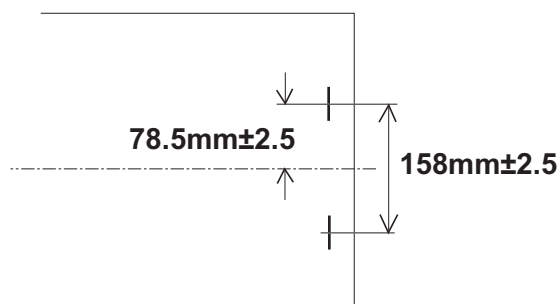
12. 플러스 드라이버로 조정 볼트(29)를 돌려 문서 피니셔 높이를 조정합니다. 조정 볼트를 시계방향으로 돌리면 문서 피니셔의 높이가 높아지고, 반 시계방향으로 돌리면 낮아 집니다.

13. 나사(28) 각 2개를 조입니다.
14. 풋커버(19), 뒤 하커버(21)를 원래대로 제거합니다.

11. ドキュメントフィニッシャー左前と左後のビス(28)各2本を緩める。

12. プラスドライバーで調整ボルト(29)を回し、ドキュメントフィニッシャーの高さを調整する。調整ボルトを時計方向に回すとドキュメントフィニッシャーの高さが高くなり、反時計方向に回すと低くなる。

13. ビス(28)各2本を締め付ける。
14. フットカバー(19)、後下カバー(21)を元通りに取り付ける。



Adjusting the stapling position

1. Connect the MFP power plug to the wall outlet and turn the MFP main power switch on.
2. Make a test copy using staple mode (double stapled).
3. Check whether the stapling position is off-center. If the staple position is off-center, follow the procedure below to adjust the position.
<Reference value> 78.5 mm \pm 2.5 mm from the center of the paper

Réglage de la position d'agrafage

1. Insérer la fiche d'alimentation du MFP dans la prise murale et mettre l'interrupteur principal du MFP sous tension.
2. Procéder à une copie d'essai en mode agrafage (double agrafage).
3. Vérifier que la position d'agrafage n'est pas en décalage.
Si la position d'agrafage est décalée, la régler en procédant de la manière suivante.
<Valeur de référence> 78,5 mm \pm 2,5 mm depuis le milieu de la feuille de papier.

Ajuste de la posición de grapado

1. Conecte el enchufe del MFP en el receptáculo de pared y encienda el interruptor principal del MFP.
2. Haga una copia de prueba en el modo de grapado (grapado doble).
3. Compruebe si la posición de grapado está descentrada.
Si la posición de grapado está descentrada, realice el siguiente procedimiento para ajustar la posición.
<Valor de referencia> 78,5 mm \pm 2,5 mm del centro del papel

Einstellen der Heftposition

1. Stecken Sie den Netzstecker des MFP in die Wandsteckdose und schalten Sie den MFP am Hauptschalter ein.
2. Erstellen Sie eine Probekopie im Heftmodus (doppelt geheftet).
3. Prüfen Sie, ob die Heftposition außermittig ist.
Falls die Heftposition außermittig ist, müssen Sie sie wie folgend einstellen.
<Bezugswert> 78,5 mm \pm 2,5 mm von der Blattmitte

Regolazione della posizione di spillatura

1. Collegare la spina del cavo di alimentazione dell'MFP alla presa a muro della rete elettrica e accendere l'interruttore principale di alimentazione.
2. Eseguire una copia di prova utilizzando la modalità di spillatura con punti metallici (spillatura doppia).
3. Verificare che la posizione di spillatura non sia fuori centro.
Se la posizione di spillatura è fuori centro, seguire la procedura riportata sotto per regolare la posizione.
<Valore di riferimento> 78,5 mm \pm 2,5 mm dal centro del foglio

调节装订位置

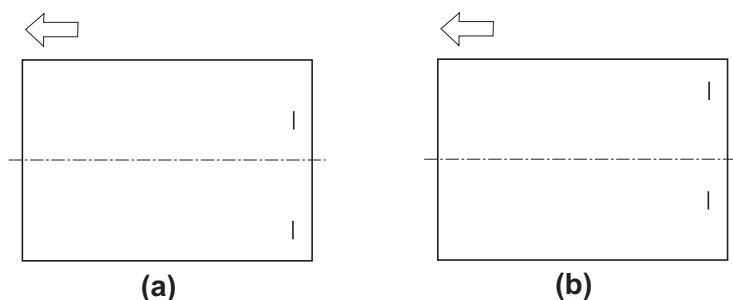
1. 将 MFP 主机上的电源插头插入电源插座中，打开主电源开关。
2. 在装订模式（2 点固定）下进行测试复印。
3. 确认装订位置的中心偏差。装订位置偏离中心时，按以下步骤进行调节。
<基准值> 距离纸张中心 78.5mm \pm 2.5mm

스태플 위치 조정

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 합니다.
2. 스타플 모드 (2 곳) 에서 시험복사를 합니다.
3. 스타플 위치의 센터 여긔남을 확인합니다. 스타플 위치가 중심에서 벗어난 경우다음 순서로 조정을 합니다.
<기준치> 용지 센터에서 78.5mm \pm 2.5mm

ステーブル位置の調整

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. ステーブルモード (2 箇所止め) でテストコピーを行う。
3. ステーブル位置のセンターずれを確認する。ステーブル位置が中心からずれていた場合、次の手順で調整を行う。
<基準値> 用紙センターより 78.5mm \pm 2.5mm



4. Set maintenance mode U246, select Finisher and Staple HP.
 5. Adjust the values.
 If the paper is stapled too close to the front of the machine (a): Increase the setting value.
 If the paper is stapled too close to the rear of the machine (b): Decrease the setting value.

6. Perform a test copy.
 7. Repeat steps 4 to 6 until the staple position is within the reference value.
 <Reference value> 78.5 mm \pm 2.5 mm from the center of the paper

4. Passer en mode maintenance U246, sélectionner Finisher et Staple HP.
 5. Régler les valeurs.
 Si le papier est agrafé trop près de l'avant de la machine (a): augmenter la valeur de réglage.
 Si le papier est agrafé trop près de l'arrière de la machine (b): réduire la valeur de réglage.

6. Effectuer une copie de test.
 7. Recommencer les étapes 4 à 6 jusqu'à ce que la position d'agrafe soit conforme à la valeur de référence
 <Valeur de référence> 78,5 mm \pm 2,5 mm depuis le milieu de la feuille de papier.

4. Entre en el modo de mantenimiento U246, seleccione Finisher y Staple HP.
 5. Ajuste los valores.
 Si el grapado del papel se encuentra demasiado cerca del frente de la máquina (a): aumente el valor de configuración.
 Si el grapado del papel se encuentra demasiado cerca de la parte posterior de la máquina (b): disminuya el valor de configuración.

6. Haga una copia de prueba.
 7. Repita los pasos 4 a 6 hasta que la posición de grapado se encuentre dentro del valor de referencia.
 <Valor de referencia> 78,5 mm \pm 2,5 mm del centro del pape

4. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Staple HP.
 5. Die Werte einstellen.
 Falls das Papier zu nahe am vorderen Rand des Geräts (a) abgestapelt wird: Vergrößern Sie den Stellwert.
 Falls das Papier zu nahe am hinteren Rand des Geräts (b) abgestapelt wird: Verkleinern Sie den Stellwert.

6. Eine Testkopie erstellen.
 7. Wiederholen Sie die Schritte 4 bis 6, bis die Heftposition im Bereich des Bezugswerts liegt.
 <Bezugswert> 78,5 mm \pm 2,5 mm von der Blattmitte

4. Impostare la modalità manutenzione U246, selezionare Finisher e Staple HP.
 5. Regolare i valori.
 Se il foglio viene spillato troppo vicino alla parte anteriore della macchina (a): Aumentare il valore di impostazione.
 Se il foglio viene spillato troppo vicino alla parte posteriore della macchina (b): Diminuire il valore di impostazione.

6. Eseguire una copia di prova.
 7. Ripetere i passi 4 to 6 finché la posizione di spillatura risulta all'interno del valore di riferimento.
 <Valore di riferimento> 78,5 mm \pm 2,5 mm dal centro del foglio

4. 设置维护模式 U246, 选择 Finisher、Staple HP。
 5. 调整设定值。
 装订位置向机器前部偏移时 (a): 调高设定值。
 装订位置向机器后部偏移时 (b): 调低设定值。

6. 进行测试复印。
 7. 重复步骤 4 ~ 6, 直到装订位置在基准范围内为止。
 <基准值> 距离纸张中心 78.5mm \pm 2.5mm

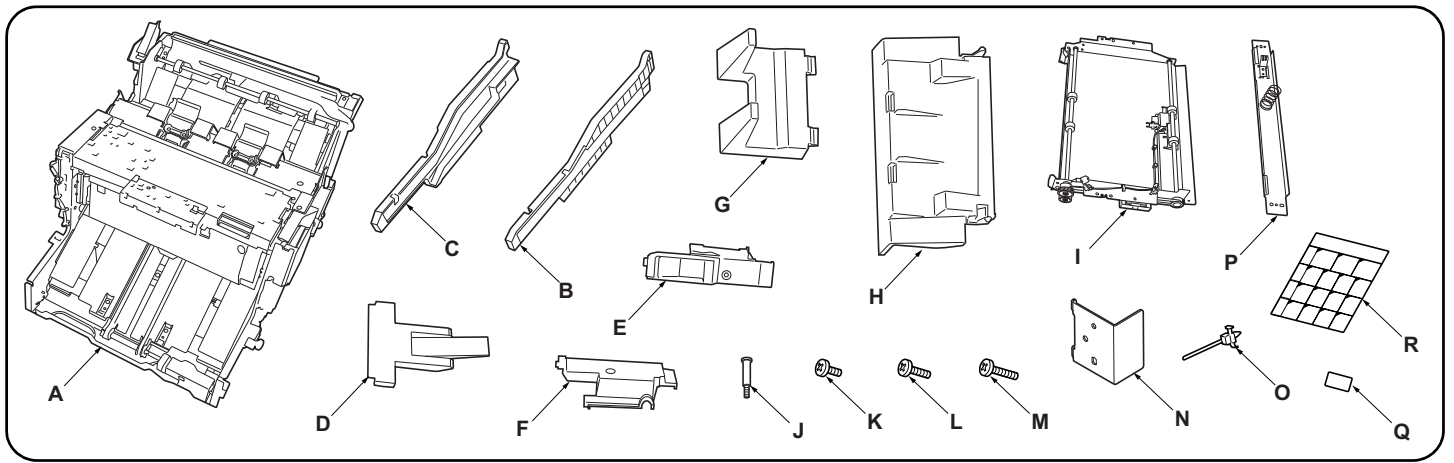
4. 메인テナンス 모드 U246 을 세트하고 Finisher, Staple HP 를 선택합니다.
 5. 설정치를 조정합니다.
 스테이플 위치가 기기앞측으로 벗어난 경우 (a): 설정치를 높입니다.
 스테이플 위치가 기기뒷측으로 벗어난 경우 (b): 설정치를 내입니다.

6. 시험복사를 합니다.
 7. 스테이플 위치가 기준치내가 될 때까지 순서 4 ~ 6 을 반복합니다.
 <기준치> 용지 센터에서 78.5mm \pm 2.5mm

4. メンテナンスモード U246 をセットし、Finisher、Staple HP を選択する。
 5. 設定値を調整する。
 ステープル位置が機械前側にずれている場合 (a): 設定値を上げる。
 ステープル位置が機械後側にずれている場合 (b): 設定値を下げる。

6. テストコピーを行う。
 7. ステープル位置が基準値内になるまで、手順 4 ~ 6 を繰り返す。
 <基準値> 用紙センターより 78.5mm \pm 2.5mm

INSTALLATION GUIDE FOR CENTER-FOLDING UNIT



English	
Supplied parts	
A. Center-Folding unit.....	1
B. Front rail	1
C. Rear rail	1
D. Output stopper.....	1
E. Front side cover	1
F. Rear side cover.....	1
G. Output stock tray.....	1
H. Output tray	1
I. Relay paper conveying unit	1
J. Pin.....	1
K. M4 × 8 screw	11
L. M4 × 10 screw (black).....	2
M. M4 × 12 screw	4
N. Lock plate	2
O. Binding band.....	1
P. Guide.....	1
Q. D7 label.....	1
R. Operation label	1

Français	
Pièces fournies	
A. Plieuse.....	1
B. Glissière avant.....	1
C. Glissière arrière.....	1
D. Butée de sortie	1
E. Capot latéral avant.....	1
F. Capot latéral arrière.....	1
G. Plateau de sortie du papier.....	1
H. Plateau de sortie.....	1
I. Unité de transport du papier de relais.....	1
J. Goupille.....	1
K. Vis M4 × 8.....	11
L. Vis M4 × 10 (noire)	2
M. Vis M4 × 12.....	4
N. Plaque de verrouillage	2
O. Collier de fixation	1
P. Guide	1
Q. Étiquette D7	1
R. Étiquette de fonctionnement	1

Español	
Partes suministradas	
A. Unidad de plegado	1
B. Carril frontal.....	1
C. Carril posterior.....	1
D. Tope de salida	1
E. Cubierta lateral frontal	1
F. Cubierta lateral posterior	1
G. Bandeja de recolección de papel de salida.....	1
H. Bandeja de salida	1
I. Unidad de transporte de papel por relevador ...	1
J. Pasador	1
K. Tornillo M4 × 8	11
L. Tornillo M4 × 10 (negro).....	2
M. Tornillo M4 × 12	4
N. Placa de cierre.....	2
O. Correa de sujeción.....	1
P. Guía	1
Q. Etiqueta D7	1
R. Etiqueta de funcionamiento	1

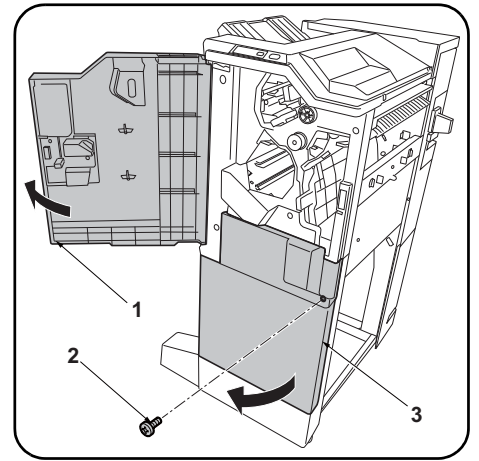
Deutsch	
Gelieferte Teile	
A. Mittenfalteinheit	1
B. Vordere Schiene.....	1
C. Hintere Schiene.....	1
D. Ausgabenschlag	1
E. Vordere Seitenabdeckung	1
F. Hintere Seitenabdeckung	1
G. Ausgabestapelfach	1
H. Ausgabefach.....	1
I. Eingesetzte Papierfördereinheit.....	1
J. Stift.....	1
K. M4 × 8 Schraube	11
L. M4 × 10 Schraube (schwarz).....	2
M. M4 × 12 Schraube	4
N. Sperrplatte	2
O. Schellenband	1
P. Führung	1
Q. D7 Aufkleber	1
R. Bedienungsaufkleber	1

Italiano	
Parti di forniture	
A. Unità di piegatura centrale.....	1
B. Rotaia anteriore	1
C. Rotaia posteriore	1
D. Fermo di uscita	1
E. Coperchio laterale anteriore	1
F. Coperchio laterale posteriore.....	1
G. Vassoio di uscita stoccaggio.....	1
H. Vassoio di uscita	1
I. Unità relay di trasporto carta.....	1
J. Perno	1
K. Vite M4 × 8.....	11
L. Vite M4 × 10 (nera).....	2
M. Vite M4 × 12.....	4
N. Piastra di bloccaggio.....	2
O. Fascetta di legatura	1
P. Guida	1
Q. Etichetta D7	1
R. Etichetta di operazione	1

简体中文	
附属品	
A. 中缝装订一折页单元.....	1
B. 前部导轨.....	1
C. 后部导轨.....	1
D. 排纸挡板.....	1
E. 前部侧盖板	1
F. 后部侧盖板	1
G. 堆纸托盘	1
H. 排纸托盘	1
I. 中间搬运单元	1
J. 销钉	1
K. M4×8 螺丝	11
L. M4×10 螺丝 (黑)	2
M. M4×12 螺丝	4
N. 锁定板	2
O. 束线带	1
P. 导板	1
Q. D7 标签	1
R. 操作标签	1

한국어	
동봉품	
A. 접기 유닛.....	1
B. 레일 앞.....	1
C. 레일 뒤.....	1
D. 배지 스톱퍼.....	1
E. 사이드 커버 앞.....	1
F. 사이드 커버 뒤.....	1
G. 배지 저장 트레이.....	1
H. 배지 트레이.....	1
I. 중계 반송유닛.....	1
J. 핀.....	1
K. 나사 M4×8.....	11
L. 나사 M4×10 (흑)	2
M. 나사 M4×12.....	4
N. 잠금 플레이트.....	2
O. 결속 밴드.....	1
P. 가이드.....	1
Q. D7 라벨.....	1
R. 조작라벨.....	1

日本語	
同梱品	
A. 中折りユニット.....	1
B. レール前.....	1
C. レール後.....	1
D. 排紙ストッパー.....	1
E. サイドカバー前	1
F. サイドカバー後	1
G. 排紙ストックトレイ	1
H. 排紙トレイ	1
I. 中継搬送ユニット	1
J. ピン.....	1
K. ビス M4×8.....	11
L. ビス M4×10(黒)	2
M. ビス M4×12	4
N. ロックプレート	2
O. 結束バンド	1
P. ガイド	1
Q. D7 ラベル	1
R. 操作ラベル	1



Be sure to remove any tape and/or cushioning material from supplied parts.

Procedure

Before installing the center-folding unit, turn the MFP's main power switch off and unplug the power cable from the power supply. Install the document finisher, and then install the center-folding unit.

1. Open the upper front cover (1) of the document finisher.
2. Remove the screw (2) and open the lower front cover (3).
(NOTICE)
Discard the screw (2) and do not fasten the lower front cover (3).

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Procédure

Avant d'installer la plieuse mettre l'interrupteur d'alimentation principal du MFP hors tension et débrancher le câble d'alimentation de la prise de courant. Installer le finisseur de document, puis installer la plieuse.

1. Ouvrir le couvercle avant supérieur (1) du retoucheur de document.
2. Déposer la vis (2) et ouvrir le couvercle avant inférieur (3).
(AVIS)
Jeter la vis (2) et ne pas fixer le capot inférieur avant (3).

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

Procedimiento

Antes de instalar la unidad de plegado, desconecte el interruptor de alimentación principal de la MFP y desenchufe el cable de alimentación de la toma de corriente. Instale primero el finalizador de documentos y luego instale la unidad de plegado.

1. Abra la cubierta frontal superior (1) del finalizador de documentos.
2. Quite el tornillo (2) y abra la cubierta frontal inferior (3).
(AVISO)
Descarte el tornillo (2) y no ajuste la cubierta frontal inferior (3).

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Verfahren

Bevor Sie mit dem Einbau der Mittenfalteinheit beginnen, stellen Sie sicher, dass der Hauptschalter des Kopierers ausgeschaltet und das Netzkabel aus der Steckdose gezogen ist. Bringen Sie den Dokument-Finisher zuerst und dann erst die Mittenfalteinheit an.

1. Öffnen Sie die obere vordere Abdeckung (1) des Dokument-Finishers.
2. Entfernen Sie die Schraube (2) und öffnen Sie die untere vordere Abdeckung (3).
(HINWEIS)
Entsorgen Sie die Schraube (2) und befestigen Sie nicht die untere vordere Abdeckung (3).

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

Procedura

Prima di installare l'unità di piegatura centrale, assicurarsi che l'interruttore principale della fotocopiatrice sia spento e che il cavo di alimentazione non sia inserito nella presa. Installare prima la finitrice e poi procedere all'installazione dell'unità di piegatura centrale.

1. Aprire il coperchio superiore anteriore (1) della finitrice di documenti.
2. Rimuovere la vite (2) ed aprire il coperchio inferiore anteriore (3).
(NOTIFICA)
Eliminare le viti (2) e non fissare il coperchio inferiore anteriore (3).

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

安装步骤

安装中缝装订一折页单元前, 请关闭 MFP 的主电源开关并从电源拔下电源线。安装装订器, 然后安装中缝装订一折页单元。

1. 打开装订器的前部上盖板 (1)。
2. 拆除 1 颗螺丝 (2), 打开前部下盖板 (3)。
(注意)
废除螺丝 (2), 前部下盖板 (3) 不需固定。

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

장착순서

중철 유닛을 설치할 때에는 반드시 MFP 본체의 주전원 스위치를 OFF 로 하고 전원플러그를 뺀 후 작업을 할 것. 문서 피니셔를 설치 후, 중철 유닛을 설치 할 것.

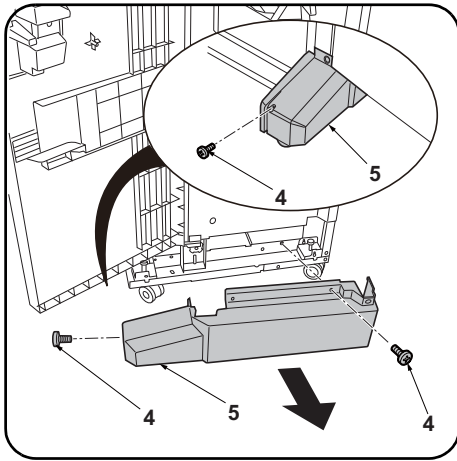
1. 문서 피니셔 앞 상커버 (1) 를 엽니다.
2. 나사 (2) 1 개를 제거하고 앞 하커버 (3) 를 엽니다.
(주의)
나사 (2) 는 폐기하고 전면 아래커버 (3) 는 고정하지 않습니다.

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。

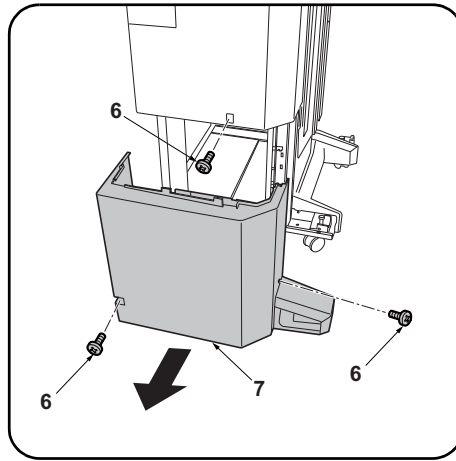
取付手順

中折りユニットを設置するときは、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業すること。ドキュメントフィニッシャーを設置後、中折りユニットを設置すること。

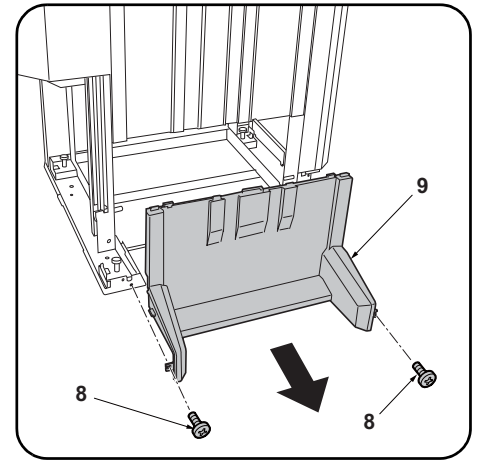
1. ドキュメントフィニッシャーの前上カバー (1) を開く。
2. ビス (2) 1 本を外し、前下カバー (3) を開く。
(注意)
ビス (2) は廃棄とし、前下カバー (3) は固定しない。



3. Remove the 2 screws (4) and remove the foot cover (5).



4. Remove the 3 screws (6) and remove the lower rear cover (7).



5. Remove 2 screws (8) and remove the lower middle cover (9).

3. Déposer les 2 vis (4) puis le couvercle du pied (5).

4. Déposer les 3 vis (6) puis le couvercle arrière inférieur (7).

5. Déposer les 2 vis (8) et le couvercle intermédiaire inférieur (9).

3. Quite los 2 tornillos (4) y quite la cubierta de la pata (5).

4. Quite los 3 tornillos (6) y quite la cubierta posterior inferior (7).

5. Quite los 2 tornillos (8) y quite la cubierta intermedia inferior (9).

3. Entfernen Sie die 2 Schrauben (4) und nehmen Sie die Fußabdeckung (5) ab.

4. Entfernen Sie die 3 Schrauben (6) und nehmen Sie die untere hintere Abdeckung (7) ab.

5. Entfernen Sie die 2 Schrauben (8) und nehmen Sie die untere mittlere Abdeckung (9) ab.

3. Rimuovere le 2 viti (4) e quindi rimuovere la copertura del piede (5).

4. Rimuovere le 3 viti (6) e quindi rimuovere il coperchio inferiore posteriore (7).

5. Rimuovere le 2 viti (8) e quindi rimuovere il pannello centrale inferiore (9).

3. 拆除 2 顆螺絲 (4)，拆下腳座蓋板 (5)。

4. 拆除 3 顆螺絲 (6)，拆下後部下蓋板 (7)。

5. 拆除 2 顆螺釘 (8)，拆下中部下蓋板 (9)。

3. 나사 (4) 2 개를 제거하고, 풋커버 (5) 를 제거합니다 .

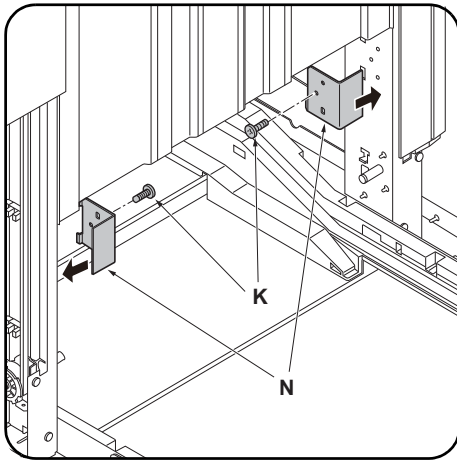
4. 나사 (6) 3 개를 제거하고, 뒤 하커버 (7) 를 제거합니다 .

5. 나사 (8) 2 개를 제거하고 중하 커버 (9) 를 떼어 냅니다 .

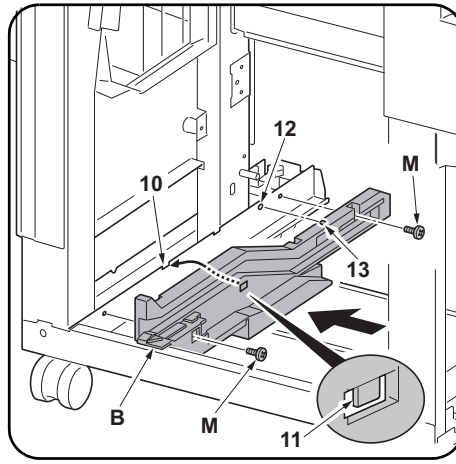
3. ビス (4) 2 本を外し、フットカバー (5) を取り外す。

4. ビス (6) 3 本を外し、後下カバー (7) を取り外す。

5. ビス (8) 2 本を外し、中下カバー (9) を取り外す。

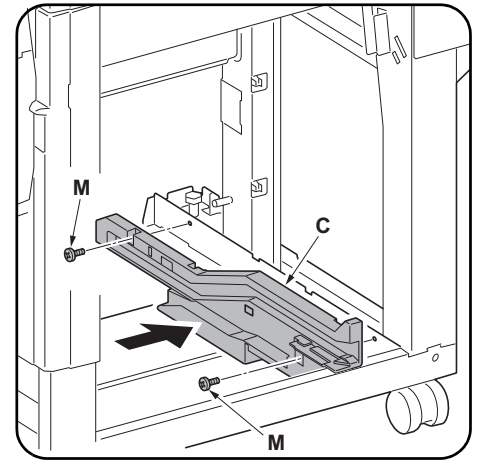


6. Install the lock plates (N) on the front and rear supports using an M4 × 8 screw (K) each.



7. Place the hook (11) of the front rail (B) on the notch (10) at the front of the document finisher, at the same time inserting the projection (13) on the front rail (B) in the hole (12) in the document finisher.

8. Fix the front rail (B) using 2 M4 × 12 screws (M).



9. Install the rear rail (C) at the rear of the document finisher using 2 M4 × 12 screws (M) in the same way.

6. Monter les plaques de verrouillage (N) sur les supports avant et arrière en procédant à l'aide d'une vis M4 × 8 (K) dans les deux cas.

7. Placer le crochet (11) de la glissière avant (B) dans l'encoche (10) à l'avant du retoucheur de document tout en insérant la saillie (13) de la glissière avant (B) dans le trou (12) du retoucheur de document.

8. Fixer la glissière avant (B) à l'aide de 2 vis M4 × 12 (M).

9. Monter la glissière arrière (C) au dos du retoucheur de document en procédant de la même façon et à l'aide de 2 vis M4 × 12 (M).

6. Instale las placas de cierre (N) en los soportes frontal y posterior usando un tornillo M4 × 8 (K) en cada uno.

7. Coloque el gancho (11) del carril frontal (B) en la muesca (10) de la parte frontal del finalizador de documentos al mismo tiempo que inserta el resalto (13) del carril frontal (B) en el orificio (12) del finalizador de documentos.

8. Fije el carril frontal (B) usando 2 tornillos M4 × 12 (M).

9. Instale el carril posterior (C) en la parte posterior del finalizador de documentos usando 2 tornillos M4 × 12 (M) de la misma forma.

6. Montieren Sie die Sperrplatten (N) an den vorderen und hinteren Stützen mit jeweils einer M4 × 8 Schraube (K).

7. Setzen Sie den Haken (11) der vorderen Schiene (B) in die Aussparung (10) vorne am Dokument-Finisher ein, und setzen Sie dabei auch den Vorsprung (13) an der vorderen Schiene (B) in die Öffnung (12) des Dokument-Finishers ein.

8. Befestigen Sie die vordere Schiene (B) mit den 2 M4 × 12 Schrauben (M).

9. Montieren Sie die hintere Schiene (C) auf gleiche Weise mit 2 M4 × 12 Schrauben (M) an der Rückseite des Dokument-Finishers.

6. Installare le piastre di bloccaggio (N) sui supporti anteriore e posteriore utilizzando una vite M4 × 8 (K) ciascuna.

7. Posizionare il gancio (11) della rotaia anteriore (B) sull'incavo (10) alla parte anteriore della finitrice di documenti, contemporaneamente inserire la sporgenza (13) sulla rotaia anteriore (B) nel foro (12) nella finitrice di documenti.

8. Fissare la rotaia anteriore (B) utilizzando 2 viti M4 × 12 (M).

9. Installare la rotaia posteriore (C) alla parte posteriore della finitrice di documenti utilizzando 2 viti M4 × 12 (M) alla stessa maniera.

6. 使用各 1 顆 M4×8(K) 螺釘將鎖定板 (N) 安裝在前後的支柱上。

7. 將前部導軌 (B) 的掛鉤 (11) 嵌入裝訂器前部的缺口 (10)，同時將前部導軌 (B) 的卡銷 (13) 插入到裝訂器的孔 (12) 中。

8. 使用 2 顆 M4×12(M) 螺釘來固定前部導軌 (B)。

9. 按相同方法，使用 2 顆 M4×12(M) 螺釘將後部導軌 (C) 安裝在裝訂器後部。

6. 잠금 플레이트 (N) 를 앞뒤 지주에 나사 M4×8(K) 각 1 개로 장착합니다 .

7. 문서 피니셔 앞의 이음부분 (10) 에 레일 앞 (B) 의 후크 (11) 를 걸고 동시에 문서 피니셔 구멍 (12) 에 레일 앞 (B) 의 보스 (13) 를 넣습니다 .

8. 나사 M4×12(M) 2 개로 레일 앞 (B) 을 고정합니다 .

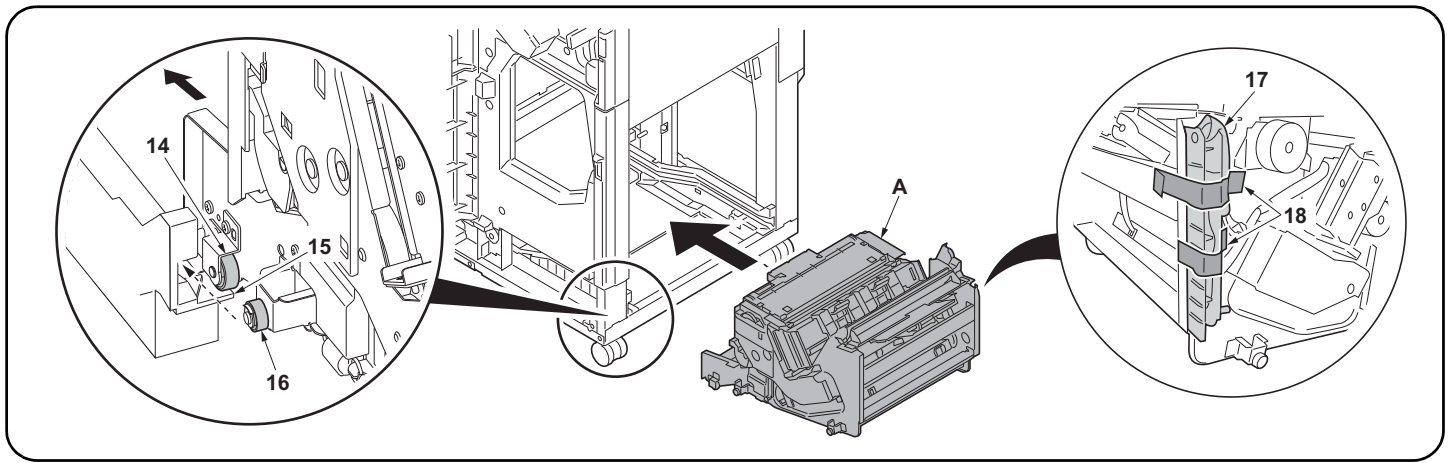
9. 같은 방식으로 나사 M4×12(M) 2 개로 문서 피니셔 뒤에 레일 뒤 (C) 를 장착합니다 .

6. ロックプレート (N) を前後の支柱にビス M4×8(K) 各 1 本で取り付け。

7. ドキュメントフィニッシャー前の切り欠き (10) にレール前 (B) のフック (11) を引っかけ、同時にドキュメントフィニッシャーの穴 (12) にレール前 (B) のボス (13) を入れる。

8. ビス M4×12(M) 2 本でレール前 (B) を固定する。

9. 同様に、ビス M4×12(M) 2 本で、ドキュメントフィニッシャー後にレール後 (C) を取り付け。



10. Place the left rollers (14) at the front and rear of the center-folding unit (A) on the tracks (15) on the inner sides of the rails, and roll in the direction shown. The middle rollers (16) will roll onto the rails.

11. Insert the center-folding unit (A) into the document finisher along the rails.

(NOTICE)

Insert without removing the fixing tape (18) for the wire guide (17). (The fixing tape (18) is removed at step 15)

10. Disposer les rouleaux gauche (14) à l'avant et à l'arrière de la plieuse (A) sur les voies (15) de côté interne des glissières et faire rouler dans la direction indiquée. Les rouleaux intermédiaires (16) vont se placer d'eux-mêmes sur les glissières.

11. Insérer la plieuse (A) dans le retoucheur de document le long des glissières.

(AVIS)

Insérer sans enlever la bande adhésive de fixation (18) pour le guide câble (17). (La bande adhésive de fixation (18) est enlevée à l'étape 15).

10. Coloque los rodillos izquierdos (14) en las partes frontal y posterior de la unidad de plegado (A) en las pistas (15) de los lados internos de los carriles y hágalos rodar en la dirección de la ilustración. Los rodillos intermedios (16) rodarán sobre los carriles.

11. Inserte la unidad de plegado (A) en el finalizador de documentos a lo largo de los carriles.

(AVISO)

Inserte sin quitar la cinta de fijación (18) de la guía para el cable (17). (La cinta de fijación (18) se quita en el paso 15.)

10. Setzen Sie die linken Rollen (14) an der Vorderseite und Rückseite der Mittenfalteinheit (A) auf die Bahnen (15) an den Innenseiten der Schienen, und rollen Sie sie in der dargestellten Richtung. Die mittleren Rollen (16) rollen nun auf die Schienen.

11. Schieben Sie die Mittenfalteinheit (A) entlang den Schienen in den Dokument-Finisher ein.

(HINWEIS)

Schieben Sie sie ein, ohne das Klebeband (18) für die Kabelführung (17) zu entfernen. (Das Klebeband (18) wird bei Schritt 15 entfernt.)

10. Posizionare i rulli di sinistra (14) alla parte anteriore e posteriore dell'unità di piegatura centrale (A) sulle piste (15) sui lati interni delle rotaie, e farli scorrere nella direzione mostrata. I rulli intermedi (16) scorreranno sulle rotaie.

11. Inserire l'unità di piegatura centrale (A) nella finitrice di documenti lungo le rotaie.

(NOTIFICA)

Inserire senza rimuovere il nastro di fissaggio (18) per la guida cavi (17). (Il nastro di fissaggio (18) viene rimosso al punto 15)

10. 将中缝装订一折页单元 (A) 前后的左侧滑轮 (14) 放在导轨内侧的转动部 (15) 上, 并按箭头方向转动。将中间滑轮 (16) 插入到导轨上。

11. 将中缝装订一折页单元 (A) 沿着导轨插入到装订器中。

(注意)

插入时不需剥除电线导板 (17) 的固定胶带 (18)。(在步骤 15 时剥除固定胶带 (18))

10. 접기 유닛 (A) 의 앞뒤에 있는 좌측 코로 (14) 를 레일 내측에 있는 굴림부 (15) 에 얹고 화살표 방향으로 굴립니다. 중간코로 (16) 가 레일에 삽입됩니다.

11. 접기 유닛 (A) 를 레일에 붙여 문서 피니셔에 삽입합니다.

(주의)

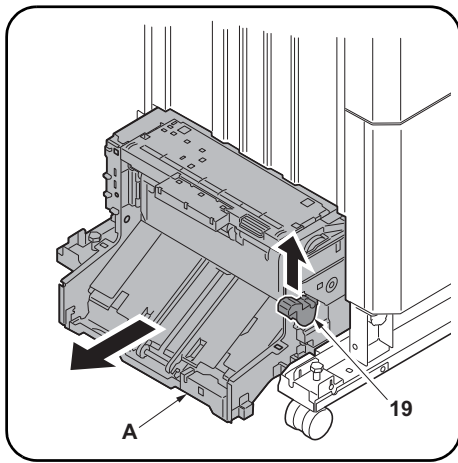
전선 가이드 (17) 의 고정 테이프 (18) 를 떼어 내지 않고 삽입할 것. (고정 테이프 (18) 는 순서 15 에서 떼어 냅니다.)

10. 中折りユニット (A) の前後にある左コロ (14) を、レールより内側にある転がし部 (15) に乗せ、矢印方向に転がす。中間コロ (16) がレールに挿入される。

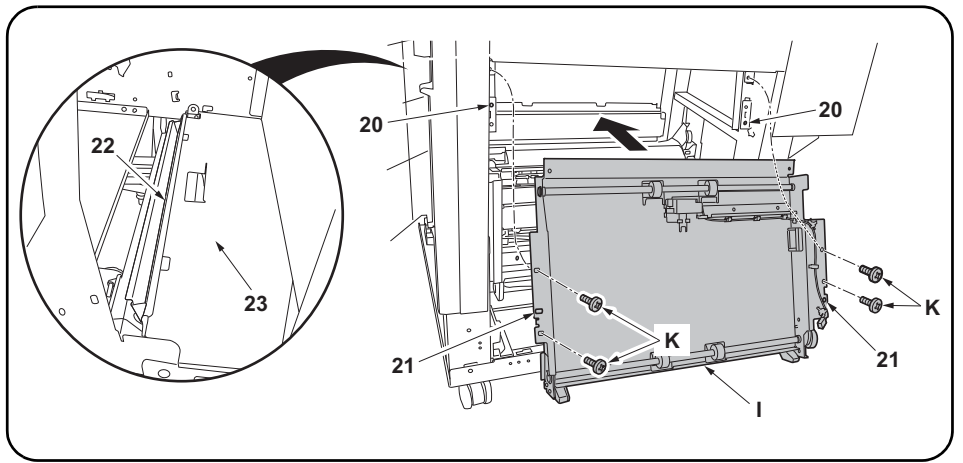
11. 中折りユニット (A) をレールに沿ってドキュメントフィニッシャーに挿入する。

(注意)

電線ガイド (17) の固定テープ (18) を剥がさずに挿入すること。(固定テープ (18) は手順 15 で剥がす)



12. Release the lock lever (19) and pull out the center-folding unit (A) to the left of the document finisher.



13. Align the holes (21) in the relay paper conveying unit (I) with the 2 projections (20) on the document finisher. Install so that the lip (22) on the top frame of the relay paper conveying unit rests on the document finisher's frame (23).

14. Install the relay paper conveying unit (I) using 4 M4 × 8 screws (K).

12. Libérer le levier de verrouillage (19) et sortir la plieuse (A) par la gauche du retoucheur de document.

13. Aligner les trous (21) de l'unité de transport de relais (I) avec les 2 saillies (20) du retoucheur de document. Procéder de sorte que la lèvre (22) du châssis supérieur de l'unité de transport de relais repose sur le châssis du retoucheur de document (23).

14. Installer l'unité de transport de relais (I) à l'aide de 4 vis M4 × 8 (K).

12. Libere la palanca de bloqueo (19) y extraiga la unidad de plegado (A) hacia la izquierda del finalizador de documentos.

13. Alinee los orificios (21) de la unidad de transporte de papel (I) con los dos resaltes (20) del finalizador de documentos. Instale de forma tal que el reborde (22) del marco superior de la unidad de transporte de papel apoye en el marco del finalizador de documentos (23).

14. Instale la unidad de transporte de papel por relevador (I) usando 4 tornillos M4 × 8 (K).

12. Lösen Sie den Verriegelungshebel (19) und ziehen Sie die Mittenfalteinheit (A) zur linken Seite des Dokument-Finishers heraus.

13. Richten Sie die Öffnungen (21) der eingesetzten Papierfördereinheit (I) auf die 2 Vorsprünge (20) des Dokument-Finishers aus. Montieren Sie so, dass die Lippe (22) am oberen Rahmen der eingesetzten Papierfördereinheit auf dem Rahmen des Dokument-Finishers (23) ruht.

14. Montieren Sie die eingesetzte Papierfördereinheit (I) mit 4 M4 × 8 Schrauben (K).

12. Rilasciare la leva di blocco (19) e quindi estrarre l'unità di piegatura centrale (A) alla sinistra della finitrice di documenti.

13. Allineare i fori (21) nell'unità relay di trasporto carta (I) con le 2 sporgenze (20) sulla finitrice di documenti. Installare in modo che il bordo (22) sulla struttura superiore dell'unità relay di trasporto carta rimanga sulla struttura (23) della finitrice di documenti.

14. Installare l'unità relay di trasporto carta (I) utilizzando 4 viti M4 × 8 (K).

12. 解除锁定杆 (19)，将中缝装订 - 折页单元 (A) 从文档整理器的左侧拉出。

13. 将装订器的 2 处突出部 (20) 与中间搬运单元 (I) 的孔 (21) 对齐。将中间搬运单元上部框架的弯曲部 (22) 放在装订器的框架上 (23) 以进行安装。

14. 使用 4 颗 M4×8(K) 螺钉来安装后中间搬运单元 (I)。

12. 잠금레버 (19) 를 해제하고 중계 반송 유닛 (A) 를 문서 피니셔 좌측으로 이동시킵니다 .

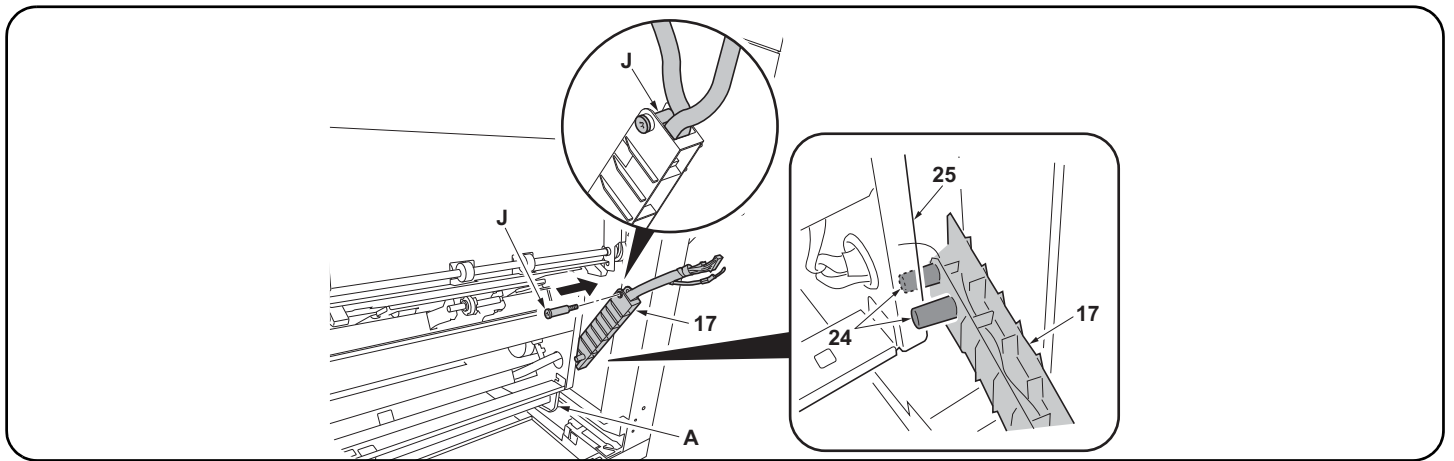
13. 문서 피니셔의 돌기 (20) 2 개로 중계 반송 유닛 (I) 의 구멍 (21) 을 맞춥니다 . 중계 반송 유닛 상부 프레임의 구부러진 부분 (22) 이 문서 피니셔의 프레임 (23) 에 얹히게 장착합니다 .

14. 나사 M4×8(K) 4 개로 중계 반송 유닛 (I) 를 장착합니다 .

12. ロックレバー (19) を解除し、中折りユニット (A) をドキュメントフィニッシャー左側へ引き出す。

13. ドキュメントフィニッシャーの突起 (20) 2 個に中継搬送ユニット (I) の穴 (21) を合わせる。中継搬送ユニット上部フレームの折曲がり部 (22) がドキュメントフィニッシャーのフレーム (23) に乗るように取り付ける。

14. ビス M4×8(K) 4 本で、中継搬送ユニット (I) を取り付ける。



15. Remove the fixing tape (18) for the wire guide (17) and insert the pin (J) into the wire guide (17), with the 2 projections (24) on either side of the frame (25).

(NOTICE)

Insert the pin (J) to keep wires in the wire guide (17).

16. Screw the pin (J) into the document finisher to anchor the wire guide (17).

15. Enlever la bande adhésive de fixation (18) du guide câble (17) et insérer la goupille (J) dans le guide câble (17) avec les 2 saillies (24) de chaque côté du bâti (25).

(AVIS)

Insérer la goupille (J) pour que les câbles demeurent dans le guide câble (17).

16. Visser la goupille (J) dans le retoucheur de documents pour fixer le guide câble (17) en place.

15. Quite la cinta de fijación (18) de la guía para el cable (17) e inserte el pasador (J) en la guía para el cable (17) con los 2 resaltes (24) a cada lado del marco (25).

(AVISO)

Inserte el pasador (J) para mantener los cables en la guía para el cable (17).

16. Atornille el pasador (J) en el finalizador de documentos para anclar la guía para el cable (17).

15. Entfernen Sie das Klebeband (18) für die Kabelführung (17) und stecken Sie die Rändelschraube (J) in die Kabelführung (17), wobei der Rahmen (25) zwischen den 2 Vorsprüngen (24) liegen muss.

(HINWEIS)

Stecken Sie die Rändelschraube (J) ein, um die Kabel in der Kabelführung (17) zu halten.

16. Schrauben Sie die Rändelschraube (J) in den Dokument-Finisher, um die Kabelführung (17) zu verankern.

15. Rimuovere il nastro di fissaggio (18) per la guida cavi (17) e quindi inserire il perno (J) nella guida cavi (17), con le 2 sporgenze (24) su ciascun lato della struttura (25).

(NOTIFICA)

Inserire il perno (J) per mantenere i cavi nella guida cavi (17).

16. Avvitare il perno (J) nella finitrice di documenti per ancorare la guida cavi (17).

15. 剥除电线导板 (17) 的固定胶带 (18)，使框架 (25) 处于 2 个卡销 (24) 之间，将 1 个销子 (J) 从电线导板 (17) 上穿过。

(注意)

将销钉 (J) 穿过电线导板 (17) 时，注意避免电线露出电线导板 (17) 外。

16. 将销钉 (J) 的螺纹部分安装到装订器上，以固定电线导板 (17)。

15. 전선 가이드 (17) 의 고정 테이프 (18) 를 떼어 내고 보스 (24) 2 개의 사이에 프레임 (25) 이 들어 있는 상태에서 핀 (J) 1 개를 전선 가이드 (17) 에 통과시킵니다 .

(주의)

핀 (J) 은 전선이 전선 가이드 (17) 에서 나오지 않도록 통하게 합니다 .

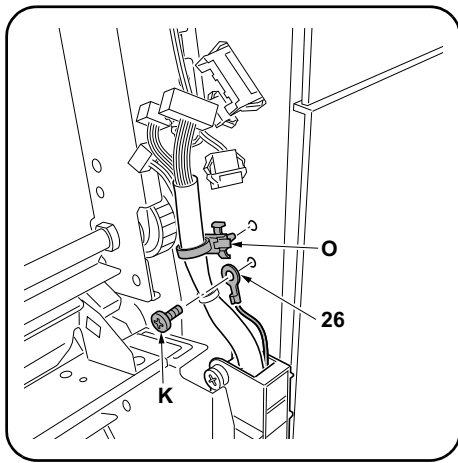
16. 핀 (J) 의 나사부분을 문서 피니셔에 장착하고 전선 가이드 (17) 를 고정합니다 .

15. 電線ガイド (17) の固定テープ (18) を剥がし、ボス (24) 2 本の中にフレーム (25) が入っている状態で、ピン (J) 1 本を電線ガイド (17) に通す。

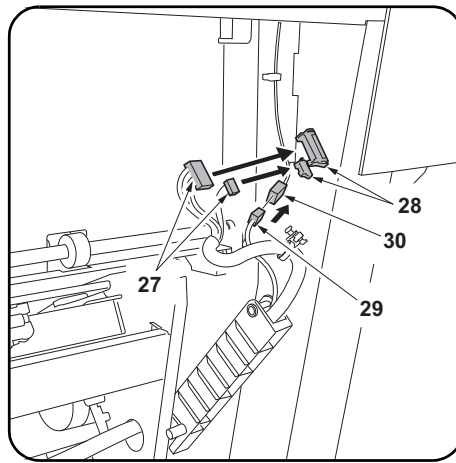
(注意)

ピン (J) は電線が電線ガイド (17) から出ないように通す。

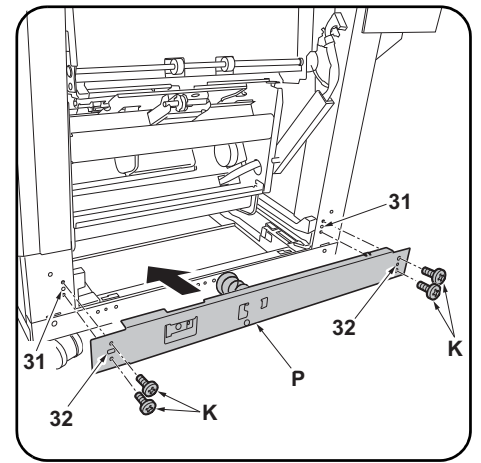
16. ピン (J) のネジ部分をドキュメントフィニッシャーに取り付け、電線ガイド (17) を固定する。



17. Install the ground wire (26) to the frame using an M4 × 8 screw (K).
18. Install the binding band (O) to the wires and fit the band into the frame.



19. Plug the 2 connectors (27) into the connectors (28) on the document finisher.
20. Plug the connector (29) into the connector (30) on the relay paper conveying unit (I).



21. Align holes (32) at 2 locations in the guide (P) with projections (31) on the document finisher.
22. Install the guide (P) on the document finisher using 4 M4 × 8 screws (K).

17. Fixer le câble de terre (26) au châssis en procédant à l'aide d'une vis M4 × 8 (K).
18. Monter le collier de fixation (O) sur les câbles et assujettir le collier au châssis.

19. Enfiler les 2 connecteurs (27) dans les connecteurs (28) du retoucheur de document.
20. Enfiler le connecteur (29) dans le connecteur (30) de l'unité de transport de relais (I).

21. Aligner les trous (32) en 2 endroits du guide (P) avec les saillies (31) du retoucheur de document.
22. Monter le guide (P) sur le retoucheur de document à l'aide de 4 vis M4 × 8 (K).

17. Instale el cable de conexión a tierra (26) en el marco usando un tornillo M4 × 8 (K).
18. Instale la correa de sujeción (O) en los cables y coloque la correa en el marco.

19. Enchufe los 2 conectores (27) en los conectores (28) del finalizador de documentos.
20. Enchufe el conector (29) en el conector (30) de la unidad de transporte de papel por relevarador (I).

21. Alinee los orificios (32) de los 2 lugares de la guía (P) con los resaltes (31) del finalizador de documentos.
22. Instale la guía (P) en el finalizador de documentos usando 4 tornillos M4 × 8 (K).

17. Montieren Sie das Massekabel (26) mit einer M4 × 8 Schraube (K) an den Rahmen.
18. Bringen Sie das Schellenband (O) an den Kabeln an und setzen Sie das Band in den Rahmen ein.

19. Verbinden Sie die 2 Steckverbinder (27) mit den Steckverbindern (28) des Dokument-Finishers.
20. Verbinden Sie den Steckverbinder (29) mit dem Steckverbinder (30) der eingesetzten Papierfördereinheit (I).

21. Richten Sie die Öffnungen (32) an 2 Stellen in der Führung (P) auf die Vorsprünge (31) des Dokument-Finishers aus.
22. Montieren Sie die Führung (P) mit 4 M4 × 8 Schrauben (K) am Dokument-Finisher.

17. Installare il cavo di terra (26) alla struttura utilizzando una vite M4 × 8 (K).
18. Installare la fascetta di legatura (O) ai cavi e quindi fissare la fascetta nella struttura.

19. Inserire i 2 connettori (27) nei connettori (28) sulla finitrice di documenti.
20. Inserire il connettore (29) nel connettore (30) sull'unità relay di trasporto carta (I).

21. Allineare i fori (32) alle 2 posizioni nella guida (P) con le sporgenze (31) sulla finitrice di documenti.
22. Installare la guida (P) sulla finitrice di documenti utilizzando 4 viti M4 × 8 (K).

17. 使用 M4×8(K) 螺钉将装接地线 (26) 安装到框架上。
18. 在电线上安装束线带 (O), 将束线带 (O) 嵌入到框架上。

19. 将 2 个连接器 (27) 与装订器的连接器 (28) 相连接。
20. 将连接器 (29) 与中间搬运单元 (H) 的连接器 (30) 相连接。

21. 将装订器的 2 处突出部 (31) 与导板 (P) 的孔 (32) 对齐。
22. 使用 4 颗螺钉 M4×8(K) 将导板 (P) 安装到装订器上。

17. 나사 M4×8(K) 로 접지선 (26) 을 프레임에 장착합니다.
18. 전선에 결속 밴드 (O) 를 장착하고 프레임에 결속 밴드 (O) 를 끼웁니다.

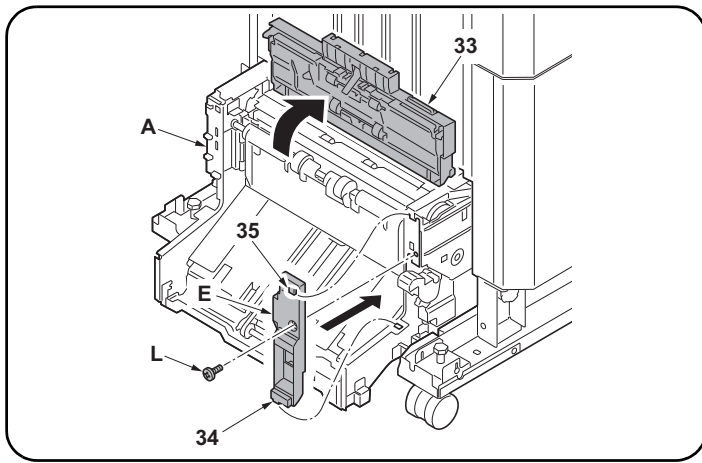
19. 커넥터 (27) 2 개를 문서 피니셔의 커넥터 (28) 에 접속합니다.
20. 커넥터 (29) 를 중계 유니트 (I) 의 커넥터 (30) 에 접속합니다.

21. 문서 피니셔의 돌기 (31) 2 곳을 가이드 (P) 의 구멍 (32) 에 맞춥니다.
22. 나사 M4×8(K) 4 개로 문서 피니셔에 가이드 (P) 를 장착합니다.

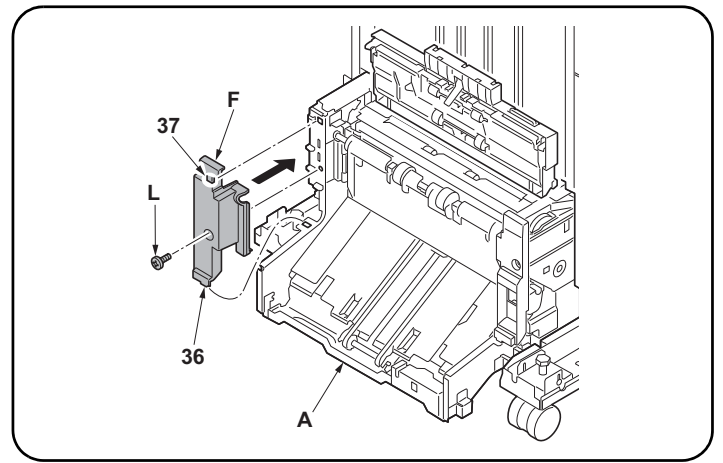
17. ビス M4×8(K) でアース線 (26) をフレームに取り付ける。
18. 電線に結束バンド (O) を取り付け、フレームに結束バンド (O) をはめ込む。

19. コネクター (27) 2 個をドキュメントフィニッシャーのコネクター (28) に接続する。
20. コネクター (29) を中継搬送ユニット (I) のコネクター (30) に接続する。

21. ドキュメントフィニッシャーの突起 (31) 2 箇所ガイド (P) の穴 (32) に合わせる。
22. ビス M4×8(K) 4 本でドキュメントフィニッシャーにガイド (P) を取り付け。



23. Open the eject cover (33).
 24. Engage the projection (34) and hook (35) on the front side cover (E) with the center-folding unit (A). Complete installation of the front side cover (E) using an M4 × 10 screw (black) (L).



25. Engage the projection (36) and hook (37) on the rear side cover (F) with the center-folding unit (A). Complete installation of the rear side cover (F) using an M4 × 10 screw (black) (L).

23. Ouvrir le capot d'éjection (33).
 24. Engager la saillie (34) et le crochet (35) du capot latéral avant (E) dans la plieuse (A). Finaliser l'installation du capot latéral avant (E) à l'aide d'une vis M4 × 10 (noire) (L).

25. Engager la saillie (36) et le crochet (37) du capot latéral arrière (F) dans la plieuse (A). Finaliser l'installation du capot latéral arrière (F) à l'aide d'une vis M4 × 10 (noire) (L).

23. Abra la cubierta de expulsión (33).
 24. Enganche el resalto (34) y el gancho (35) de la cubierta lateral frontal (E) con la unidad de plegado (A). Complete la instalación de la cubierta lateral frontal (E) usando un tornillo M4 × 10 (negro) (L).

25. Enganche el resalto (36) y el gancho (37) de la cubierta lateral posterior (F) con la unidad de plegado (A). Complete la instalación de la cubierta lateral posterior (F) usando un tornillo M4 × 10 (negro) (L).

23. Öffnen Sie die Auswurfabdeckung (33).
 24. Hängen Sie den Vorsprung (34) und den Haken (35) der vorderen Seitenabdeckung (E) in die Mittenfalteinheit (A) ein. Befestigen Sie die vordere Seitenabdeckung (E) mit einer M4 × 10 Schraube (schwarz) (L).

25. Hängen Sie den Vorsprung (36) und den Haken (37) der hinteren Seitenabdeckung (F) in die Mittenfalteinheit (A) ein. Befestigen Sie die hintere Seitenabdeckung (F) mit einer M4 × 10 Schraube (schwarz) (L).

23. Aprire il coperchio di espulsione carta (33).
 24. Innestare la sporgenza (34) e il gancio (35) sul coperchio laterale anteriore (E) con l'unità di piegatura centrale (A). Completare l'installazione del coperchio laterale anteriore (E) utilizzando una vite M4 × 10 (nera) (L).

25. Innestare la sporgenza (36) e il gancio (37) sul coperchio laterale posteriore (F) con l'unità di piegatura centrale (A). Completare l'installazione del coperchio laterale posteriore (F) utilizzando una vite M4 × 10 (nera) (L).

23. 打开排纸盖板 (33)。
 24. 将前部侧盖板 (E) 的突出部 (34) 以及挂钩 (35) 嵌入到中缝装订一折页单元 (A) 中, 使用 1 颗 M4×10 (黑) (L) 螺钉来安装前部侧盖板 (E)。

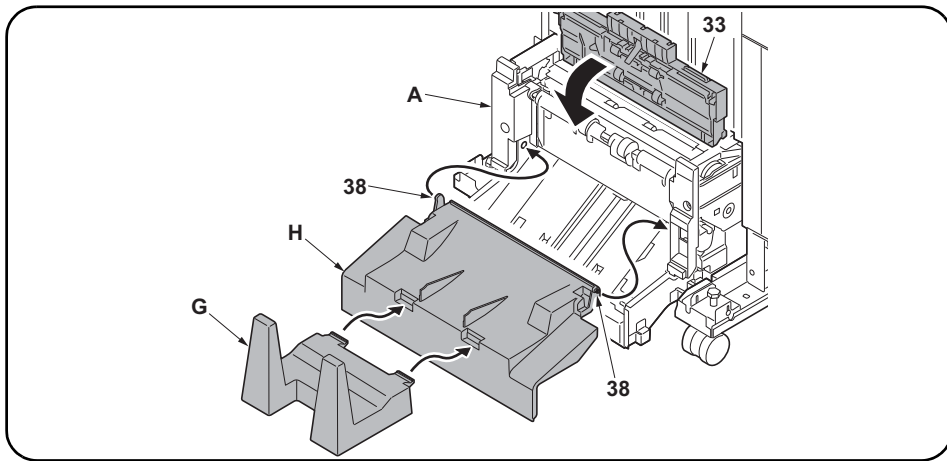
25. 将后部侧盖板 (F) 的突出部 (36) 以及挂钩 (37) 嵌入到中缝装订一折页单元 (A) 中, 使用 1 颗 M4×10 (黑) (L) 螺钉来安装后部侧盖板 (F)。

23. 배출 커버 (33) 를 엽니다.
 24. 사이드 커버 앞 (E) 의 돌기 (34) 및 후크 (35) 를 접기 유닛 (A) 에 끼웁니다. 나사 M4×10 (흑) (L) 1 개로 사이드 커버 앞 (E) 을 장착합니다.

25. 사이드 커버 뒤 (F) 의 돌기 (36) 및 후크 (37) 를 접기 유닛 (A) 에 끼웁니다. 나사 M4×10 (흑) (L) 1 개로 사이드 커버 뒤 (F) 를 장착합니다.

23. 排出カバー (33) を開く。
 24. サイドカバー前 (E) の突起 (34) およびフック (35) を、中折りユニット (A) にはめ込む。
 ビス M4×10(黒) (L) 1 本で、サイドカバー前 (E) を取り付けます。

25. サイドカバー後 (F) の突起 (36) およびフック (37) を、中折りユニット (A) にはめ込む。
 ビス M4×10(黒) (L) 1 本で、サイドカバー後 (F) を取り付けます。



26. Insert the 2 pins (38) on the output tray (H) in the holes in the center-folding unit (A) to install the tray.
27. Install the output stock tray (G) on the output tray (H).
28. Close the eject cover (33).

26. Insérer les 2 goupilles (38) du plateau de sortie (H) dans les trous de la plieuse (A) pour installer le plateau.
27. Installer la butée de sortie du papier (G) sur le plateau de sortie (H).
28. Fermer le capot d'éjection (33).

26. Inserte los 2 pasadores (38) de la bandeja de salida (H) en los orificios de la unidad de plegado (A) para instalar la bandeja.
27. Instale la bandeja de recolección de papel de salida (G) en la bandeja de salida (H).
28. Cierre la cubierta de expulsión (33).

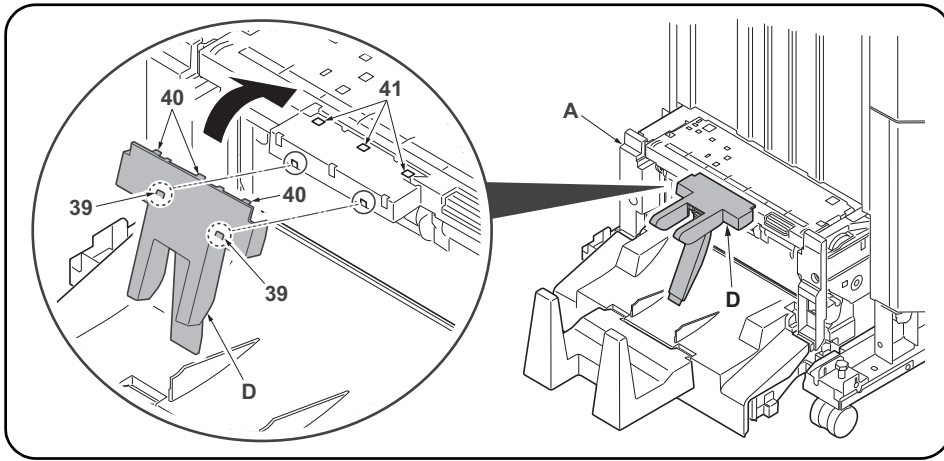
26. Stecken Sie die 2 Rändelschrauben (38) des Ausgabefachs (H) in die Öffnungen der Mittenfalteinheit (A) ein, um das Fach zu installieren.
27. Bringen Sie das Ausgabestapelfach (G) am Ausgabefach (H) an.
28. Schließen Sie die Auswurfabdeckung (33).

26. Inserire i 2 perni (38) sul vassoio di uscita (H) nei fori sull'unità di piegatura centrale (A) per installare il vassoio.
27. Installare il vassoio di uscita stoccaggio (G) sul vassoio di uscita (H).
28. Chiudere il coperchio di espulsione carta (33).

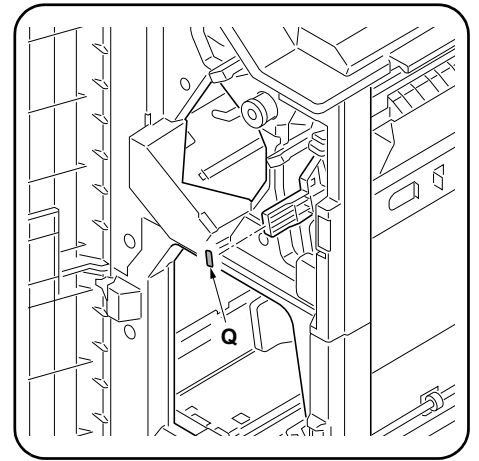
26. 将排纸托盘 (H) 的 2 根销钉 (38) 插入中缝装订—折页单元 (A) 的孔中, 以安装排纸托盘 (H)。
27. 将堆纸托盘 (G) 安装到排纸托盘 (H) 上。
28. 关闭排纸盖板 (33)。

26. 배지 트레이 (H) 의 핀 (38) 2 개를 접기 유닛 (A) 의 구멍에 넣고 배지 트레이 (H) 를 장착합니다.
27. 배지 저장 트레이 (G) 를 배지 트레이 (H) 에 장착합니다.
28. 배출커버 (33) 를 닫습니다.

26. 排紙 트레이 (H) のピン (38) 2 本を中折りユニット (A) の穴に入れ、排紙 트레이 (H) を取り付ける。
27. 排紙ストック 트레이 (G) を排紙 트레이 (H) に取り付ける。
28. 排出カバー (33) を閉じる。



29. Insert the 2 projections (39) on the back of the output stopper (D) in the portions circled on the center-folding unit (A).
Fit the 3 hooks (40) on the output stopper (D) in the holes (41) in the center-folding unit (A).



30. Adhere the D7 label (Q) at the location shown in the figure.

29. Insérer les 2 saillies (39) au dos de la butée de sortie (D) dans les parties encadrées de la plieuse (A).
Assujettir les 3 crochets (40) de la butée de sortie (D) dans les trous (41) de la plieuse (A).

30. Apposer l'étiquette D7 (Q) à l'endroit repéré sur la figure.

29. Inserte los 2 resaltos (39) de la parte posterior del tope de salida (D) en las porciones marcadas con un círculo de la unidad de plegado (A).
Coloque los 3 ganchos (40) del tope de salida (D) en los orificios (41) de la unidad de plegado (A).

30. Adhiera la etiqueta D7 (Q) en el lugar que se muestra en la ilustración.

29. Setzen Sie die 2 Vorsprünge (39) auf der Rückseite des Ausgabeanschlags (D) in die mit Kreis bezeichneten Positionen der Mittenfalteinheit (A) ein.
Setzen Sie die 3 Haken (40) des Ausgabeanschlags (D) in die Öffnungen (41) der Mittenfalteinheit (A) ein.

30. Kleben Sie den D7 Aufkleber (Q) an der abgebildeten Stelle an.

29. Inserire le 2 sporgenze (39) sulla parte posteriore del fermo di uscita (D) nelle porzioni cerchiato sull'unità di piegatura centrale (A).
Fissare i 3 ganci (40) sul fermo di uscita (D) nei fori (41) nell'unità di piegatura centrale (A).

30. Far aderire l'etichetta D7 (Q) alla posizione mostrata nella figura.

29. 将排纸挡板 (D) 内侧的 2 处突出部 (39) 插入到中缝装订-折页单元 (A) 的圆框部。
将排纸挡板 (D) 的 3 个挂钩 (40) 嵌入到中缝装订-折页单元 (A) 的孔 (41) 中。

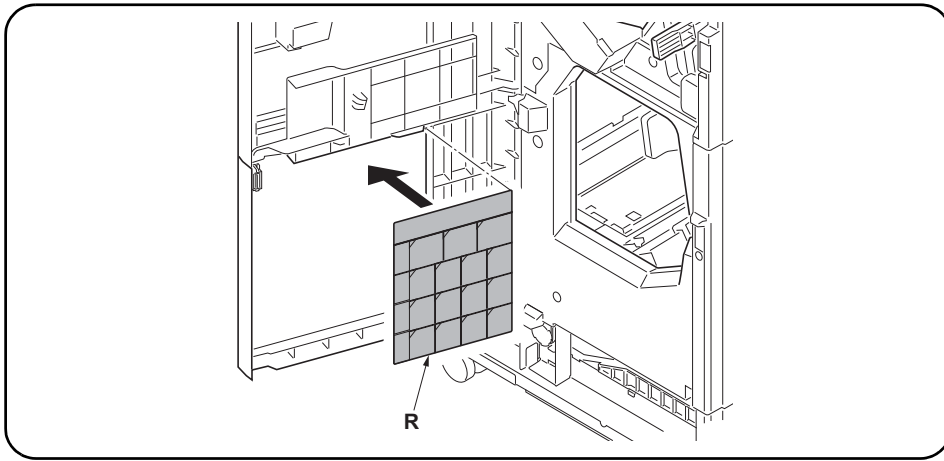
30. 在图示位置黏贴 D7 标签 (Q)。

29. 배지 스톱퍼 (D) 의 안쪽에 있는 돌기 (39) 2 곳을 접기 유닛 (A) 의에 삽입합니다 .
배지 스톱퍼 (D) 의 후크 (40) 3 곳을 접기 유닛 (A) 의 구멍 (41) 에 끼웁니다 .

30. D7 라벨 (Q) 을 그림의 위치에 붙입니다 .

29. 排紙ストッパー (D) の裏側にある突起 (39) 2箇所を中折ユニット (A) の丸枠部に挿入する。
排紙ストッパー (D) のフック (40) 3箇所を中折ユニット (A) の穴 (41) にはめ込む。

30. D7 ラベル (Q) を図の位置に貼り付ける。



31. Adhere the Operation label (R) at the location shown in the figure.
 32. Reinstall the foot cover (5) and lower rear cover (7).
 33. Close the lower front cover (3) and the upper front cover (1).

31. Apposer l'étiquette de fonctionnement (R) à l'endroit repéré sur la figure.
 32. Reposer le couvercle du pied (5) et le couvercle arrière inférieur (7).
 33. Fermer le capot inférieur avant (3) et le couvercle avant supérieur (1).

31. Adhiera la etiqueta de funcionamiento (R) en el lugar que se muestra en la ilustración.
 32. Vuelva a instalar la cubierta de la pata (5) y la cubierta posterior inferior (7).
 33. Cierre la cubierta frontal inferior (3) y la cubierta frontal superior (1).

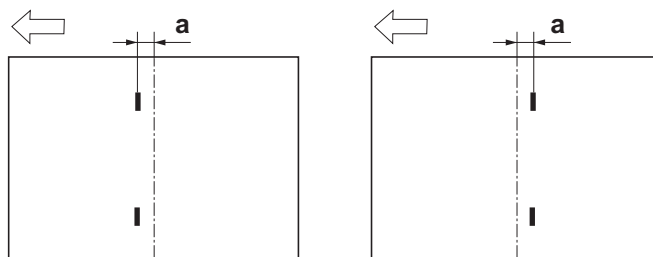
31. Kleben Sie den Bedienungsaufkleber (R) an der abgebildeten Stelle an.
 32. Bringen Sie die Fußabdeckung (5) und die untere hintere Abdeckung (7) wieder an.
 33. Schließen Sie die untere vordere Abdeckung (3) und die obere vordere Abdeckung (1).

31. Far aderire l'etichetta di operazione (R) alla posizione mostrata nella figura.
 32. Reinstallare la copertura del piede (5) e il coperchio inferiore posteriore (7).
 33. Chiudere il coperchio inferiore anteriore (3) e il coperchio superiore anteriore (1).

31. 在图示位置黏贴操作标签 (R)。
 32. 按原样安装脚座盖板 (5) 和后部下盖板 (7)。
 33. 关闭前部下盖板 (3) 和前部上盖板 (1)。

31. 조작 라벨 (R) 을 그림의 위치에 붙입니다 .
 32. 풋커버 (5) 및 뒤하 커버 (7) 를 원래대로 장착합니다 .
 33. 전면 아래커버 (3) 및 전면 윗커버 (1) 를 닫습니다 .

31. 操作ラベル (R) を図の位置に貼り付ける。
 32. フットカバー (5) および後下カバー (7) を元通りに取り付ける。
 33. 前下カバー (3) および前上カバー (1) を閉じる。



Adjustment of centerfold-stapling position

Check the distance (a) from the stapling position to the center of the paper. If the distance (a) is over the reference value, follow the procedure below to adjust the position.

<Reference value (a)> ± 2 mm

1. Set maintenance mode U246, select Booklet and Staple Pos.
2. Adjust the values.
3. Press the Start key to confirm the setting value.

Réglage de la position d'agrafage des pages centrales dépliées

Vérifier la distance (a) entre la position d'agrafage et le milieu de la feuille de papier. Si cette distance (a) est supérieure à la valeur de référence, régler la position en procédant de la manière suivante.

<Valeur de référence (a)> ± 2 mm

1. Passer en mode maintenance U246, sélectionner Booklet et Staple Pos.
2. Régler les valeurs.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la posición de grapado de la unidad de plegado

Compruebe la distancia (a) desde la posición de grapado con respecto al centro del papel. Si dicha distancia (a) supera el valor de referencia, realice el siguiente procedimiento para ajustar la posición.

<Valor de referencia (a)> ± 2 mm

1. Entre en el modo de mantenimiento U246, seleccione Booklet y Staple Pos.
2. Ajuste los valores.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellung der Mittenfalt-Heftposition

Überprüfen Sie den Abstand (a) zwischen der Heftposition und der Papiermitte. Falls der Abstand (a) größer als der Bezugswert ist, ist die Position gemäß der nachstehenden Prozedur nachzustellen.

<Bezugswert (a)> ± 2 mm

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Booklet und Staple Pos.
2. Die Werte einstellen.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della posizione di cucitura dell'unità di piegatura centrale

Controllare la distanza (a) dalla posizione di spillatura al centro del foglio. Se la distanza (a) è superiore al valore di riferimento, seguire la procedura riportata sotto per regolare la posizione.

<Valore di riferimento (a)> ± 2 mm

1. Impostare la modalità manutenzione U246, selezionare Booklet e Staple Pos.
2. Regolare i valori.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

中缝装订位置调整

检查从装订位置到纸张中心的距离 (a)。如果距离 (a) 超出标准值范围，按照下列步骤调节装订位置。

<标准值 (a) > ± 2 mm

1. 设置维护模式 U246，选择 Booklet、Staple Pos。
2. 调整设定值。
3. 按 Start 键，以确定设定值。

접기 스테이플 위치조정

스테이플 위치에서 용지 중앙까지의 거리 (a) 를 확인합니다 . 거리 (a) 가 기준치 외의 경우에는 다음 순서로 조정을 합니다 .

< 기준치 (a) > ± 2 mm

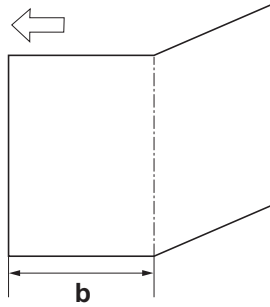
1. 메인テナンス 모드 U246 을 세트하고 Booklet, Staple Pos 를 선택합니다 .
2. 설정치를 조정합니다 .
3. 시작키를 누르고 설정치를 확인합니다 .

中とじステーブル位置調整

ステーブル位置から用紙センターまでの距離 (a) を確認する。距離 (a) が基準値外の場合、次の手順で調整を行う。

<基準値 (a) > ± 2 mm

1. メンテナンスモード U246 をセットし、Booklet、Staple Pos を選択する。
2. 設定値を調整する。
3. スタートキーを押し、設定値を確定する。



Adjustment of center folding position

Check the distance (b) from the edge of the paper to the center folding position. If the distance (b) is over the reference value, follow the procedure below to adjust the position.

<Reference value (b)>

A4, Letter: Length of paper $\times 1/2 \pm 2$ mm

A3, Ledger, B4: Length of paper $\times 1/2 \pm 3$ mm

1. Set maintenance mode U246, select Booklet and Booklet Pos.
2. Adjust the values.
3. Press the Start key to confirm the setting value.

Réglage de la position de pliage central

Vérifier la distance (b) entre le bord de la feuille de papier et la position de pliage central. Si cette distance (b) est supérieure à la valeur de référence, régler la position en procédant de la manière suivante.

<Valeur de référence (b)>

A4, Letter : Longueur de la feuille $\times 1/2 \pm 2$ mm

A3, Ledger, B4: Longueur de la feuille $\times 1/2 \pm 3$ mm

1. Passer en mode maintenance U246, sélectionner Booklet et Booklet Pos.
2. Régler les valeurs.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la posición de plegado

Compruebe la distancia (b) desde el borde del papel a la posición de plegado. Si dicha distancia (b) supera el valor de referencia, realice el siguiente procedimiento para ajustar la posición.

<Valor de referencia (b)>

A4, Letter: Longitud del papel $\times 1/2 \pm 2$ mm

A3, Ledger, B4: Longitud del papel $\times 1/2 \pm 3$ mm

1. Entre en el modo de mantenimiento U246, seleccione Booklet y Booklet Pos.
2. Ajuste los valores.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellung der Mittenfaltposition

Überprüfen Sie den Abstand (b) zwischen der Papierkante und der Mittenfaltposition. Falls der Abstand (b) größer als der Bezugswert ist, ist die Position gemäß der nachstehenden Prozedur nachzustellen.

<Bezugswert (b)>

A4, Letter: Papierlänge $\times 1/2 \pm 2$ mm

A3, Ledger, B4: Papierlänge $\times 1/2 \pm 3$ mm

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Booklet und Booklet Pos.
2. Die Werte einstellen.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della posizione centrale di piegatura

Controllare la distanza (b) dal bordo della carta alla posizione centrale di piegatura. Se la distanza (b) è superiore al valore di riferimento, seguire la procedura riportata sotto per regolare la posizione.

<Valore di riferimento (b)>

A4, Letter: Lunghezza carta $\times 1/2 \pm 2$ mm

A3, Ledger, B4: Lunghezza carta $\times 1/2 \pm 3$ mm

1. Impostare la modalità manutenzione U246, selezionare Booklet e Booklet Pos.
2. Regolare i valori.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

中缝折叠位置调整

检查从纸张头部到折叠位置的距离 (b)。如果距离 (b) 超出标准值范围, 按照下列步骤调节折叠位置。

<标准值 (b) >

A4, Letter: 纸张长度 $\times 1/2 \pm 2$ mm

A3, Ledger, B4: 纸张长度 $\times 1/2 \pm 3$ mm

1. 设置维护模式 U246, 选择 Booklet、Booklet Pos。
2. 调整设定值。
3. 按 Start 键, 以确定设定值。

접기 위치조정

용지 끝에서 접기 위치까지의 거리 (b) 를 확인합니다 . 거리 (b) 가 기준치 외의 경우에는 다음 순서로 조정을 합니다 .

<기준치 (b) >

A4, Letter: 용지길이 $\times 1/2 \pm 2$ mm

A3, Ledger, B4: 용지길이 $\times 1/2 \pm 3$ mm

1. 메인テナンス 모드 U246 을 세트하고 Booklet, Booklet Pos 를 선택합니다 .
2. 설정치를 조정합니다 .
3. 시작키를 누르고 설정치를 확인합니다 .

中折り位置調整

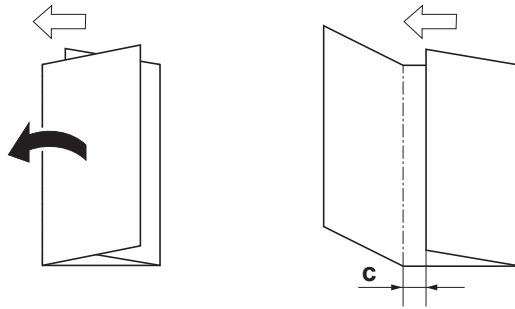
用紙端から中折り位置までの距離 (b) を確認する。距離 (b) が基準値外の場合、次の手順で調整を行う。

<基準値 (b) >

A4, Letter: 用紙長 $\times 1/2 \pm 2$ mm

A3, Ledger, B4: 用紙長 $\times 1/2 \pm 3$ mm

1. メンテナンスモード U246 をセットし、Booklet、Booklet Pos を選択する。
2. 設定値を調整する。
3. スタートキーを押し、設定値を確定する。



Adjustment of tri-folding position

Check the distance (c) from the edge of the paper to the second folding position. If the distance (c) is over the reference value, follow the procedure below to adjust the position.

<Reference value (c)> 7.0 ±2 mm

1. Set maintenance mode U246, select Booklet and Three Fold.
2. Adjust the values.
3. Press the Start key to confirm the setting value.

Réglage de la position de triple pliage

Vérifier la distance (c) entre le bord de la feuille de papier et la position du deuxième pliage. Si cette distance (c) est supérieure à la valeur de référence, régler la position en procédant de la manière suivante.

<Valeur de référence (c)> 7,0 ±2 mm

1. Passer en mode maintenance U246, sélectionner Booklet et Three Fold.
2. Régler les valeurs.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la posición de plegado tríptico

Compruebe la distancia (c) desde el borde del papel a la segunda posición de plegado. Si dicha distancia (c) supera el valor de referencia, realice el siguiente procedimiento para ajustar la posición.

<Valor de referencia (c)> 7,0 ±2 mm

1. Entre en el modo de mantenimiento U246, seleccione Booklet y Three Fold.
2. Ajuste los valores.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellung der Dreilagenfaltposition

Überprüfen Sie den Abstand (c) zwischen der Papierkante und der zweiten Faltposition. Falls der Abstand (c) größer als der Bezugswert ist, ist die Position gemäß der nachstehenden Prozedur nachzustellen.

<Bezugswert (c)> 7,0 ±2 mm

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Booklet und Three Fold.
2. Die Werte einstellen.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della posizione di piegatura tripla

Controllare la distanza (c) dal bordo della carta alla posizione della seconda piegatura. Se la distanza (c) è superiore al valore di riferimento, seguire la procedura riportata sotto per regolare la posizione.

<Valore di riferimento (c)> 7,0 ±2 mm

1. Impostare la modalità manutenzione U246, selezionare Booklet e Three Fold.
2. Regolare i valori.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

三折位置調整

检查从纸张头部到第2个折叠位置的距离(c)。如果距离(c)超出标准值范围,按照下列步骤调节折叠位置。

<标准(c) > 7.0±2mm

1. 设置维护模式 U246, 选择 Booklet、Three Fold。
2. 调整设定值。
3. 按 Start 键, 以确定设定值。

두번 접기 위치 조정

용지끝과 두번째 접히는 위치까지의 거리(c)를 확인합니다. 거리(c)가 기준치 외의 경우에는 다음 순서로 조절을 합니다.

<기준치(c) > 7.0±2mm

1. 메인テナンス 모드 U246 을 세트하고 Booklet, Three Fold 를 선택합니다.
2. 설정치를 조정합니다.
3. 시작키를 누르고 설정치를 확인합니다.

三折り位置調整

用紙端と二つ目の折り位置までの距離(c)を確認する。距離(c)が基準値外の場合、次の手順で調整を行う。

<基準値(c) > 7.0±2mm

1. メンテナンスモードU246 をセットし、Booklet、Three Fold を選択する。
2. 設定値を調整する。
3. スタートキーを押し、設定値を確定する。

NOTICE

This accessory is for use only with the following Applicant's Listed Machine.
Refer to the supplied guide to install the accessory in the field.
Machine: DF-790

AVIS

Cet accessoire est utilisable uniquement avec le copieur figurant dans la liste du demandeur suivant.
Se reporter au guide fourni pour installer l'accessoire dans le champ.
Modèle: DF-790

AVISO

Este accesorio es sólo para usar en las siguientes fotocopiadoras de la lista de solicitantes.
Consulte las instrucciones para la instalación de accesorios en el lugar del cliente.
Modelo: DF-790

HINWEIS

Dieses Zubehör ist nur für den Einsatz mit der folgenden Antragstellerlisten-Kopiermaschine vorgesehen.
Installieren Sie das Zubehör gemäß der mitgelieferten Anleitung im Feld.
Modell: DF-790

NOTIFICA

Questo accessorio deve essere usato solo con le seguenti fotocopiatrici nella lista dell'applicante.
Consultare la guida fornita in dotazione per il montaggio in campo dell'accessorio.
Modello: DF-790

注意

本产品适用于以下选购件。
安装时，请参照附带的说明书。
式样：DF-790

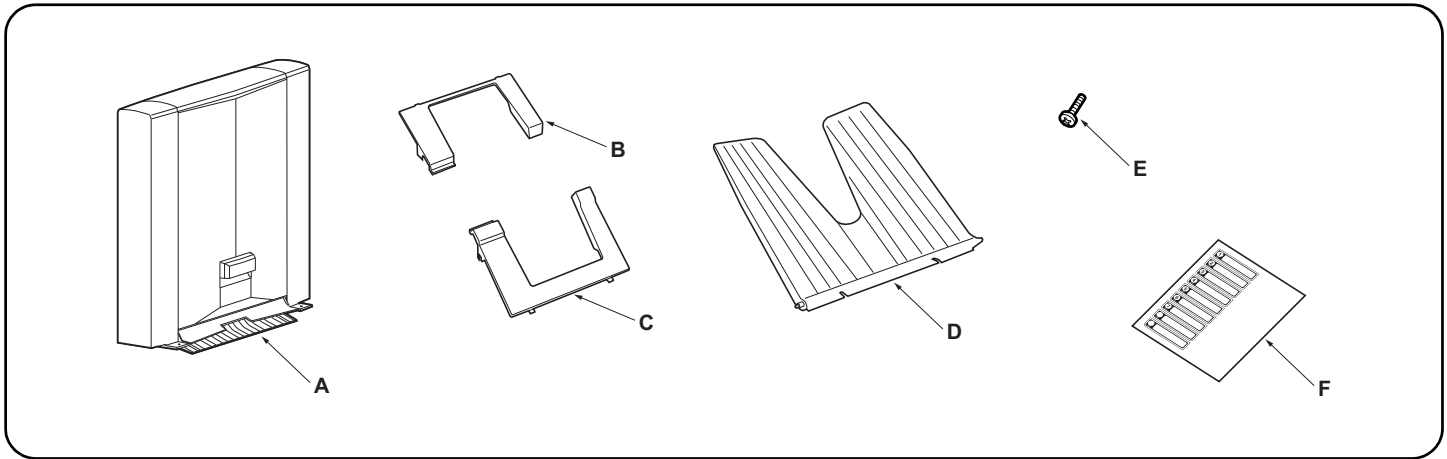
주의

본 제품은 이하의 기종에 적용됩니다.
설치할 때에는 동봉된 안내문을 참조해 주십시오.
기종:DF-790

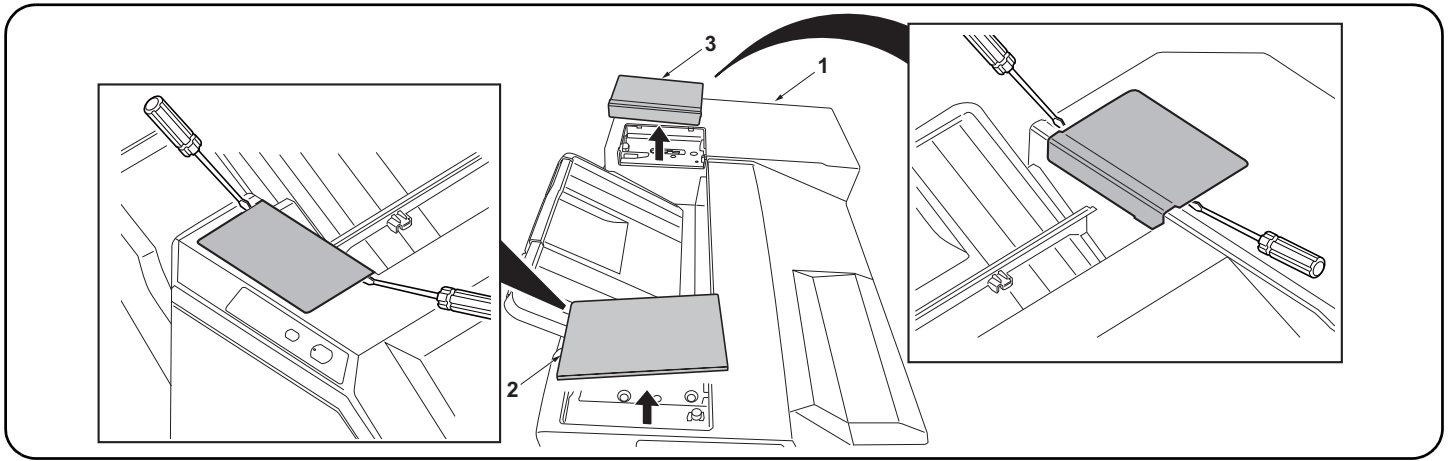
注意

本製品は、以下の機種に適用します。
設置する際は、同梱の手順書を参照してください。
機種:DF-790

INSTALLATION GUIDE FOR MAILBOX



<p>English</p> <p>Supplied parts</p> <p>A. Mailbox 1</p> <p>B. Front mounting plate cover 1</p> <p>C. Rear mounting plate cover 1</p> <p>D. Copy eject bins 7</p>	<p>E. M4 × 12 screw 2</p> <p>F. Tray name label (for users)..... 1</p>	<p>Be sure to remove any tape and/or cushioning material from supplied parts.</p>
<p>Français</p> <p>Pièces fournies</p> <p>A. Boîte à lettres 1</p> <p>B. Couvercle de la plaque de montage avant 1</p> <p>C. Couvercle de la plaque de montage arrière1</p> <p>D. Case d'éjection de copies..... 7</p>	<p>E. Vis M4 × 12..... 2</p> <p>F. Étiquette de nom de plateau (pour les utilisateurs) 1</p>	<p>Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.</p>
<p>Español</p> <p>Partes suministradas</p> <p>A. Buzón de correo 1</p> <p>B. Cubierta de la placa de montaje frontal 1</p> <p>C. Cubierta de la placa de montaje trasera.... 1</p> <p>D. Bandejas de expulsión de copias 7</p>	<p>E. Tornillo M4 × 12 2</p> <p>F. Etiqueta de nombre de la bandeja (para usuarios)..... 1</p>	<p>Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.</p>
<p>Deutsch</p> <p>Gelieferte Teile</p> <p>A. Mailbox 1</p> <p>B. Vordere Abdeckung der Montageplatte 1</p> <p>C. Hintere Abdeckung der Montageplatte 1</p> <p>D. Kopienausgabefächer..... 7</p>	<p>E. M4 × 12 Schraube 2</p> <p>F. Fachnamenaufkleber (für Benutzer) 1</p>	<p>Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.</p>
<p>Italiano</p> <p>Parti di forniture</p> <p>A. Casella postale 1</p> <p>B. Coperchio della piastra di montaggio anteriore .. 1</p> <p>C. Coperchio della piastra di montaggio posteriore. 1</p> <p>D. Scomparti di espulsione delle copie 7</p>	<p>E. Vite M4 × 12..... 2</p> <p>F. Etichetta di nome del vassoio (per utenti) 1</p>	<p>Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.</p>
<p>简体中文</p> <p>附属品</p> <p>A. 邮箱..... 1</p> <p>B. 支撑板前盖板..... 1</p> <p>C. 支撑板后盖板..... 1</p> <p>D. 接纸盘..... 7</p>	<p>E. M4×12 螺丝 2</p> <p>F. 托盘名称标贴（用户用）..... 1</p>	<p>如果附属品上带有固定胶带，缓冲材料时必须揭下。</p>
<p>한국어</p> <p>동봉품</p> <p>A. 메일박스..... 1</p> <p>B. 부착판커버 앞..... 1</p> <p>C. 부착판커버 뒤..... 1</p> <p>D. 배출핀..... 7</p>	<p>E. 나사 M4 × 12..... 2</p> <p>F. 트레이 명칭 스티 (사용자용) 1</p>	<p>동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것 .</p>
<p>日本語</p> <p>同梱品</p> <p>A. メールボックス..... 1</p> <p>B. 取付板カバー前..... 1</p> <p>C. 取付板カバー後..... 1</p> <p>D. 排出ピン..... 7</p>	<p>E. ビス M4×12 2</p> <p>F. トレイ名称シール(ユーザー用) 1</p>	<p>同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。</p>



Procedure

Be sure to turn the MFP main power switch off and disconnect the MFP power plug from the wall outlet before starting to install the mailbox.

1.Remove the front top cover (2) and rear top cover (3) at the top of the finisher (1) using a flat-blade screwdriver or the like.

Procédure

Veiller à bien mettre l'interrupteur principal du MFP sur la position d'arrêt et à débrancher la fiche d'alimentation du MFP de la prise murale avant d'entreprendre l'installation de la boîte à lettres.

1.Retirer le couvercle supérieur avant (2) et le couvercle supérieur arrière (3) situés en haut du retoucheur (1) à l'aide d'un tournevis à tête plate ou d'un outil équivalent.

Procedimiento

Asegúrese de apagar el MFP con el interruptor principal y de desconectar la clavija de alimentación del MFP de la toma de corriente de la pared antes de empezar a instalar el buzón de correo.

1.Remueva la cubierta superior delantera (2) y la cubierta superior trasera (3) en la parte superior del finalizador (1) utilizando un destornillador de punta plana o similar.

Verfahren

Schalten Sie vor der Installation der Mailbox unbedingt den Hauptschalter des MFP aus, und ziehen Sie den Netzstecker aus der Netzsteckdose.

1.Entfernen Sie die vordere obere Abdeckung (2) und die hintere obere Abdeckung (3) an der Oberseite des Finishers (1) mit einem Klingenschraubendreher oder dergleichen.

Procedura

Non mancare di spegnere l'MFP utilizzando l'interruttore principale di alimentazione e scollegare la spina del cavo di alimentazione dell'MFP dalla presa della rete elettrica, prima di cominciare a installare la casella postale.

1.Rimuovere il coperchio superiore anteriore (2) e il coperchio superiore posteriore (3) dalla parte superiore del finitore (1) utilizzando un cacciavite a punta piatta, o un attrezzo simile.

安装步骤

安装邮箱时，必须关闭 MFP 主机上的主电源开关，并拔下主装置的电源插头后进行安装。

1. 用一字形螺丝刀拆下装订器 (1) 上部的顶罩前盖板 (2) 和顶罩后盖板 (3)。

설치순서

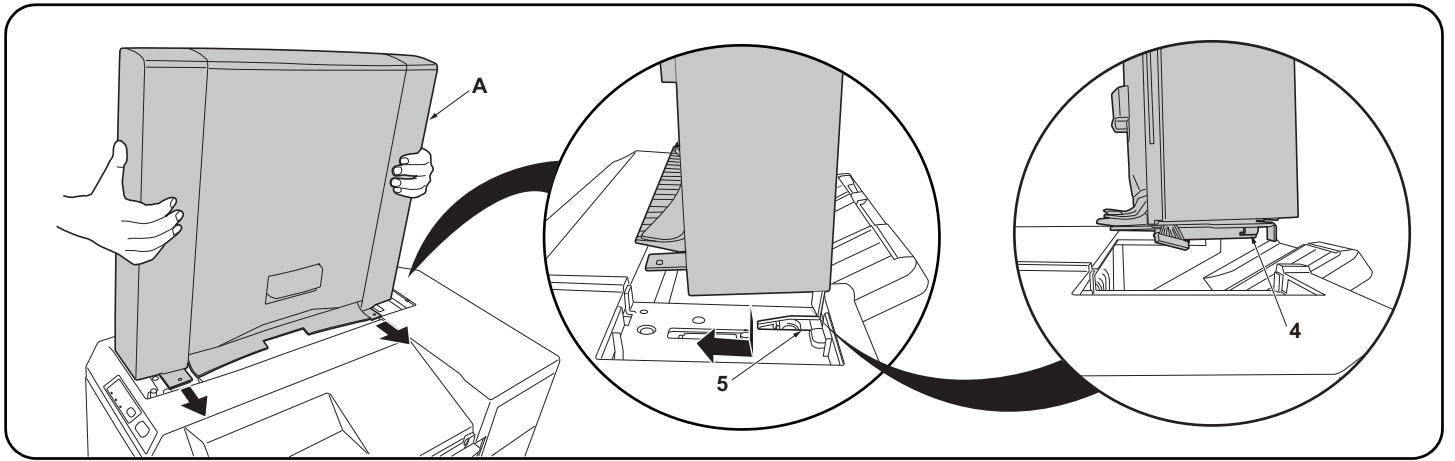
메일박스를 부착할 때에는 반드시 MFP 본체의 주 전원 스위치를 OFF 로 하고 전원 플러그를 뽑은 후에 작업을 할 것 .

1. 피니셔 (1) 상부의 윗커버 앞 덮개 (2), 윗커버 뒤 덮개 (3) 를 마이너스 드라이버 등으로 제거합니다 .

取付手順

메일ボックスを取り付ける際は、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを外して作業をおこなう。

1. フィニッシャー (1) 上部の天カバー前フタ (2) 、天カバー後フタ (3) をマイナスドライバーなどで取り外す。



2. Fit the hooks (4) located at the front and rear of the bottom of the mailbox (A) into the notches (5) located at the front and rear of the top of the finisher (1) as shown in the illustration and attach the mailbox (A) to the finisher (1).

Note: Lift the front and rear of the mailbox (A) lightly upward to make sure that the mailbox (A) does not float.

2. Insérer les crochets (4) se trouvant à l'avant et à l'arrière au fond de la boîte à lettres (A) dans les encoches (5) situées à l'avant et à l'arrière en haut du retoucheur (1) comme illustré ici, puis fixer la boîte à lettres (A) au retoucheur (1).

Note: Lever légèrement l'avant et l'arrière de la boîte à lettres (A) de sorte que celle-ci ne bouge plus.

2. Coloque los ganchos (4) ubicados en la parte inferior frontal y trasera del buzón de correo (A) en las muescas (5) ubicadas en la parte superior frontal y trasera del finalizador (1), como se muestra en la ilustración, y coloque el buzón de correo (A) en el finalizador (1).

Nota: Levante ligeramente la parte frontal y trasera del buzón de correo (A) hacia arriba para asegurarse de que el buzón de correo (A) no queda suspendido.

2. Setzen Sie die Haken (4) an der Vorder- und Rückseite der Mailbox (A) in die Öffnungen (5) vorne und hinten an der Oberseite des Finishers (1) ein, wie in der Abbildung dargestellt, und bringen Sie die Mailbox (A) am Finisher (1) an.

Hinweis: Heben Sie die Mailbox (A) vorne und hinten etwas an, um sicher zu stellen, dass die Mailbox (A) nicht pendelt.

2. Inserire i ganci (4) posizionati sul davanti e sul dietro della parte di fondo della casella postale (A), negli incavi (5) posizionati sul davanti e sul dietro della parte superiore del finitore (1) come mostrato nell'illustrazione, e fissare la casella postale (A) al finitore (1).

Nota: Sollevare leggermente la parte anteriore e posteriore (A) della casella postale verso l'alto per accertarsi che non si sposti.

2. 如图所示, 将位于邮箱 (A) 底部前后侧的卡扣 (4) 嵌入位于装订器 (1) 顶部前后侧的凹口 (5), 并将邮箱 (A) 安装至装订器 (1)。

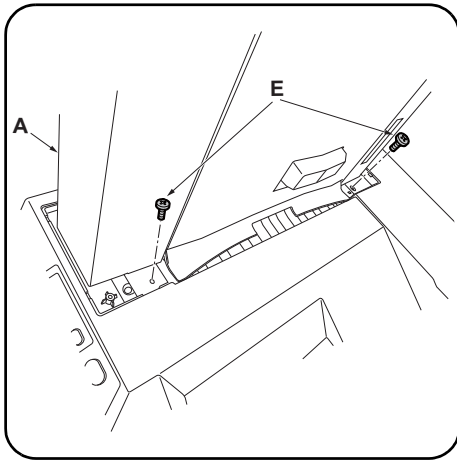
注:
轻轻向上提升邮箱 (A) 的前后侧, 确保邮箱 (A) 未处于悬浮状态。

2. 메일박스 (A) 하부의 앞뒤에 있는 후크 (4) 를 피니셔 (1) 상부의 앞뒤에 있는 파인 홈에 (5) 에 일러스트와 같이 삽입하고 메일박스 (A) 를 피니셔측에 장착합니다.

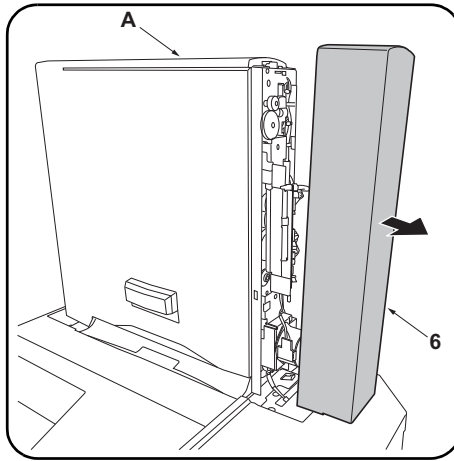
주의
메일박스 (A) 의 앞뒤를 각각 상방향으로 가볍게 들어 메일박스 (A) 가 떠 있지 않은 것을 확인합니다.

2. メールボックス (A) 下部の前後にあるフック (4) をフィニッシャー(1) 上部の前後にある切り欠き部 (5) にイラストのように挿入し、メールボックス (A) をフィニッシャー(1) に取り付ける。

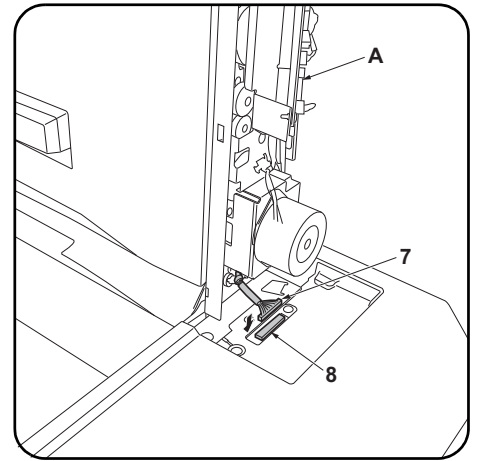
注意
メールボックス (A) の前後をそれぞれ上方向に軽く持ち上げ、メールボックス (A) が浮かないことを確認する。



3. Fix the each of the front and rear of the mailbox (A) to the finisher using a M4 × 12 screw (E).



4. Remove the rear cover (6) of the mailbox (A).



5. Remove the tape from the connector (7) of the mailbox (A), and plug it into the connector (8) on the finisher.
6. Reinstall the rear cover (6).

3. Fixer l'avant et l'arrière de la boîte à lettres (A) au retoucheur à l'aide d'une vis M4 × 12 (E).

4. Déposer le couvercle arrière (6) de la boîte à lettres (A).

5. Enlever la bande adhésive du connecteur (7) de la boîte à lettres (A) et enficher ce connecteur dans le connecteur (8) du retoucheur.
6. Reposer le couvercle arrière (6).

3. Fije las partes frontal y trasera del buzón de correo (A) al finalizador utilizando un tornillo M4 × 12 (E).

4. Quite la cubierta trasera (6) del buzón de correo (A).

5. Quite la cinta del conector (7) del buzón de correo (A) y enchúfelo en el conector (8) del finalizador.
6. Vuelva a instalar la cubierta trasera (6).

3. Befestigen Sie die Vorderseite und die Rückseite der Mailbox (A) mit einer M4 × 12 Schraube (E) am Finisher.

4. Nehmen Sie die hintere Abdeckung (6) der Mailbox (A) ab.

5. Entfernen Sie das Band vom Steckverbinder (7) der Mailbox (A) und stecken Sie ihn in den Steckverbinder (8) am Finisher.
6. Bringen Sie die hintere Abdeckung (6) wieder an.

3. Fissare ciascuna parte anteriore e posteriore della casella postale (A) al finitore utilizzando una vite M4 × 12 (E).

4. Rimuovere il coperchio posteriore (6) della casella postale (A).

5. Rimuovere il nastro dal connettore (7) della casella postale (A), e collegarlo nel connettore (8) sul finitore.
6. Reinstallare il coperchio posteriore (6).

3. 在邮箱 (A) 的前后各使用 1 颗 M4 × 12 螺丝 (E) 来将其固定在装订器上。

4. 拆下邮箱 (A) 的后部盖板 (6)。

5. 揭下邮箱 (A) 的连接器 (7) 的胶带, 将其与装订器的连接器 (8) 相连接。
6. 重新安装后盖板 (6)。

3. 메일박스 (A) 의 앞뒤를 각각 나사 M4 × 12(E) 1 개로 피니셔를 고정합니다 .

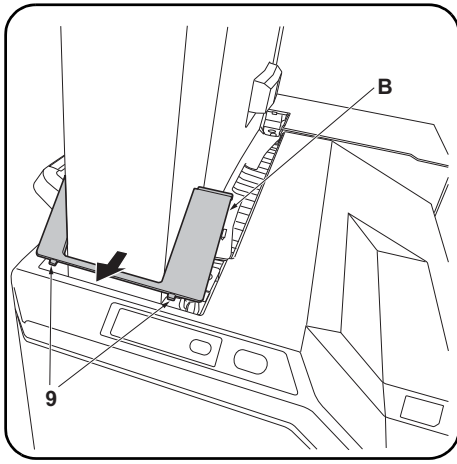
4. 메일박스 (A) 의 뒤커버 (6) 를 떼어냅니다 .

5. 메일박스 (A) 의 커넥터 (7) 테이프를 벗겨내고 피니셔 커넥터 (8) 에 접속합니다 .
6. 뒤커버 (6) 를 원래대로 장착합니다 .

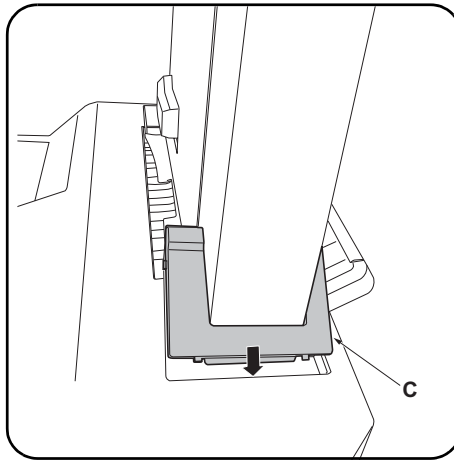
3. メールボックス (A) の前後をそれぞれビス M4 × 12(E)1 本で、フィニッシャーに固定する。

4. メールボックス (A) の後カバー (6) を取り外す。

5. メールボックス (A) のコネクタ (7) のテープをはがし、フィニッシャーのコネクタ (8) に接続する。
6. 後カバー (6) を元通り取り付け。



7. Insert the 2 hooks (9) on the front mounting plate cover (B) for the mailbox into the finisher to install the cover (B).



8. Install the rear mounting plate cover (C) on the finisher in the same way.

7. Insérer les 2 crochets (9) du couvercle de la plaque de montage avant (B) de la boîte à lettres dans le retourneur pour installer ce couvercle (B).

8. Installer le couvercle de la plaque de montage arrière (C) sur le retourneur en procédant de la même manière.

7. Para instalar la cubierta (B), inserte los 2 ganchos (9) de la cubierta de la placa de montaje frontal (B) para el buzón de correo en el finalizador.

8. Instale de la misma manera la cubierta de la placa de montaje trasera (C) en el finalizador.

7. Setzen Sie die 2 Haken (9) an der vorderen Abdeckung der Montageplatte (B) für die Mailbox in den Finisher ein, um die Abdeckung (B) zu installieren.

8. Bringen Sie auf gleiche Weise die hintere Abdeckung der Montageplatte (C) am Finisher an.

7. Inserire nel finitore i 2 ganci (9) posizionati sul coperchio della piastra di montaggio anteriore (B) per la casella postale, per installare il coperchio (B).

8. Installare il coperchio della piastra di montaggio posteriore (C) sul finitore nella stessa maniera.

7. 将邮箱的安装板前部盖板 (B) 的 2 个卡扣 (9) 插入到装订器中, 以安装安装板前部盖板 (B)。

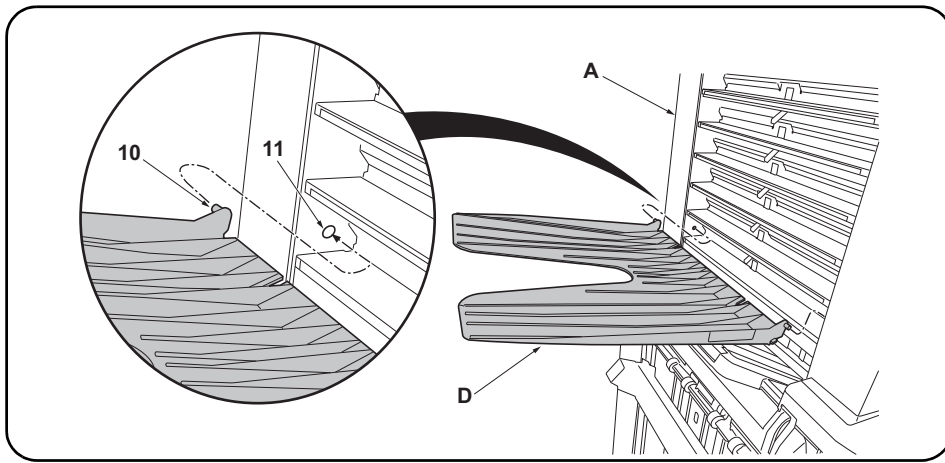
8. 按相同方法将安装板后部盖板 (C) 安装到装订器上。

7. 메일박스의 부착판 커버 앞 (B) 의 후크 (9) 2 곳을 피니셔에 삽입하고 부착판 커버 앞 (B) 을 장착합니다 .

8. 같은 방식으로 부착판 커버 뒤 (C) 를 피니셔에 장착합니다 .

7. メールボックスの取付板カバー前 (B) のフック (9) 2箇所をフィニッシャーに挿入し、取付板カバー前 (B) を取り付ける。

8. 同様に取付板カバー後 (C) をフィニッシャーに取り付ける。



9. Fit the seven copy eject bins (D) to the ejection section of the mailbox (A) from the lowest bin to the highest.
Press both ends of each copy eject bin (D) to bend it a little, then fit the bin by inserting the front and rear pins (10) into the round holes (11) at the front and rear of the mailbox.

10. Insert the MFP power plug to the outlet and turn the MFP main power switch on to check the operation.

9. Fixer les sept cases d'éjection de copies (D) sur la section d'éjection de la boîte à lettres (A), en procédant de la case située tout en bas à celle située tout en haut.
Appuyer sur les deux extrémités de chaque case d'éjection des copies (D) pour cintrer légèrement cette pièce, puis monter la case en insérant les broches avant et arrière (10) dans les trous ronds (11) à l'avant et à l'arrière de la boîte à lettres.

10. Insérer la fiche d'alimentation du MFP dans la prise et mettre l'interrupteur principal du MFP sur la position de marche pour vérifier le fonctionnement.

9. Fije las siete bandejas de expulsión de copias (D) en la sección de expulsión del buzón de correo (A) de la bandeja más baja a la más alta.
Presione ambos extremos de cada bandeja de expulsión de copias (D) para doblarlas un poco; después, coloque la bandeja insertando los pasadores delantero y trasero (10) en los orificios redondos (11) en la parte frontal y posterior del buzón de correo.

10. Enchufe el cable eléctrico del MFP en el tomacorriente y encienda el interruptor principal del MFP para verificar el funcionamiento.

9. Setzen Sie die sieben Kopienausgabefächer (D) in den Ausgabeabschnitt der Mailbox (A) ein, beginnend vom untersten Fach zum höchsten.
Drücken Sie beide Enden jedes Kopienausgabefachs (D) zusammen, um es etwas zu biegen, und setzen Sie das Fach ein, indem Sie die vorderen und hinteren Stifte (10) in die Rundlöcher (11) vorne und hinten an der Mailbox einsetzen.

10. Stecken Sie den Netzstecker des MFP in eine Netzsteckdose und schalten Sie den Hauptschalter des MFP ein, um den Betrieb zu prüfen.

9. Installare i sette scomparti di espulsione delle copie (D) nella parte di espulsione della casella postale (A), cominciando dallo scomparto più in basso fino a quello più in alto.
Premere le due estremità di ciascuno scomparto di emissione delle copie (D) in modo da piegarlo un poco, quindi installare lo scomparto inserendo i perni anteriore e posteriore (10) nei fori rotondi (11) che si trovano alla parte anteriore e posteriore della casella postale.

10. Inserire la spina del cavo di alimentazione dell'MFP nella presa della rete elettrica e accenderla utilizzando l'interruttore principale di alimentazione in modo da controllare il funzionamento.

9. 从邮箱 (A) 的排出部下面起按顺序安装 7 个接纸盘 (D)。
按住邮箱格 (D) 的左右两侧并使其稍稍下垂, 将前后的销钉 (10) 插入邮箱前后的圆孔 (11) 中。

10. 将 MFP 主机的电源插头插入插座, 然后按下主开关并确认是否接通。

9. 배출핀 (D) 7 개를 메일박스 (A) 의 배출부에 밑에서부터 순서대로 장착합니다.
배출핀 (D) 의 좌우를 밑에 조금 휘게해 앞뒤의 핀 (10) 을 메일박스의 앞뒤의 둥근 구멍 (11) 에 삽입합니다.

10. MFP 본체의 전원 플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 해서 동작을 확인합니다.

9. 排出ピン (D) 7 枚をメールボックス (A) の排出部に下から順番に取り付ける。
排出ピン (D) の左右を押し少したわませ、前後のピン (10) をメールボックスの前後の丸穴 (11) に挿入する。

10. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にして動作を確認する。

NOTICE

This accessory is for use only with the following Applicant's Listed Machine.
Refer to the supplied guide to install the accessory in the field.
Machine: DF-790

AVIS

Cet accessoire est utilisable uniquement avec le copieur figurant dans la liste du demandeur suivant.
Se reporter au guide fourni pour installer l'accessoire dans le champ.
Modèle: DF-790

AVISO

Este accesorio es sólo para usar en las siguientes fotocopiadoras de la lista de solicitantes.
Consulte las instrucciones para la instalación de accesorios en el lugar del cliente.
Modelo: DF-790

HINWEIS

Dieses Zubehör ist nur für den Einsatz mit der folgenden Antragstellerlisten-Kopiermaschine vorgesehen.
Installieren Sie das Zubehör gemäß der mitgelieferten Anleitung im Feld.
Modell: DF-790

NOTIFICA

Questo accessorio deve essere usato solo con le seguenti fotocopiatrici nella lista dell'applicante.
Consultare la guida fornita in dotazione per il montaggio in campo dell'accessorio.
Modello: DF-790

注意

本产品适用于以下选购件。
安装时，请参照附带的说明书。
式样：DF-790

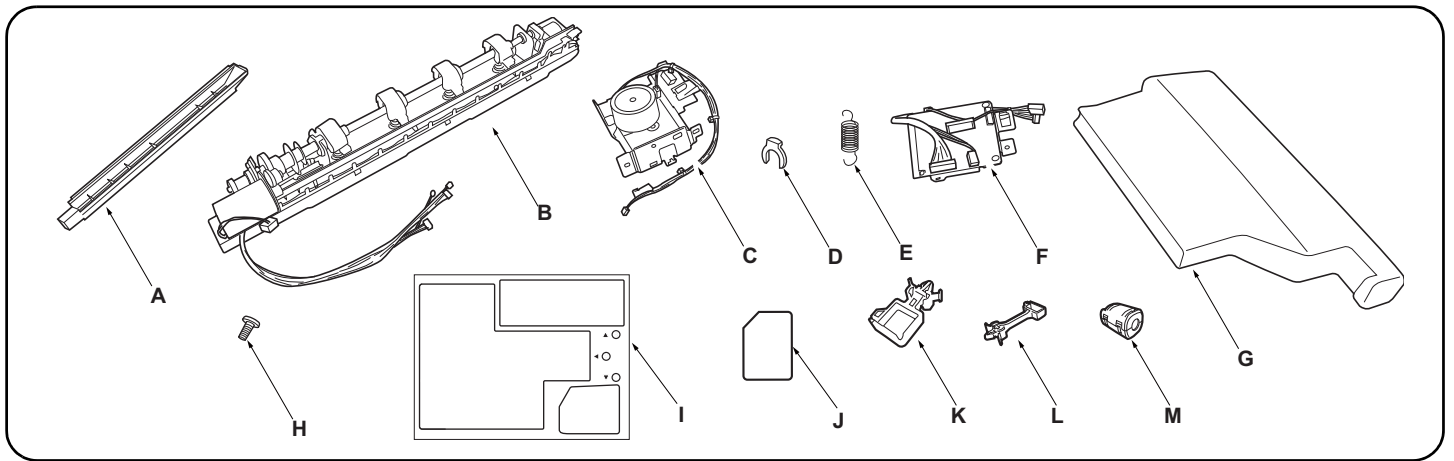
주의

본 제품은 이하의 기종에 적용됩니다.
설치할 때에는 동봉된 안내문을 참조해 주십시오.
기종:DF-790

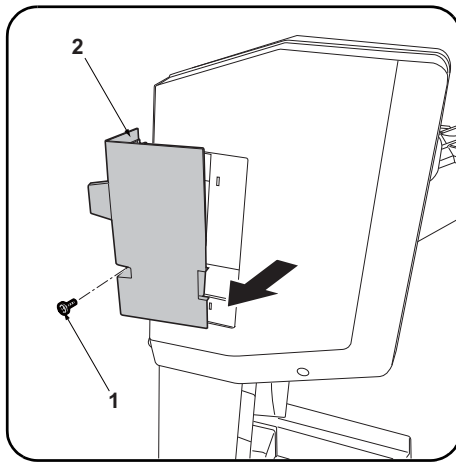
注意

本製品は、以下の機種に適用します。
設置する際は、同梱の手順書を参照してください。
機種:DF-790

INSTALLATION GUIDE FOR PUNCH UNIT



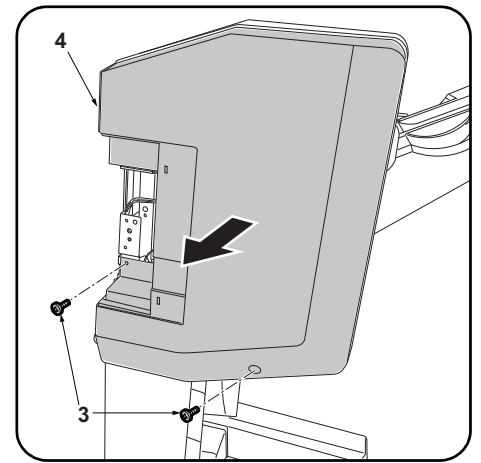
English		E. Spring..... 1		L. Large clamp (for DF-790) 1		
Supplied parts		F. Punch PWB 1		M. Ferrite core 1		
A. Punch guide..... 1	B. Hole punch unit..... 1	G. Waste hole punch box 1	H. M3 x 8 tap Tight S screw 3	Be sure to remove any tape and/or cushioning material from supplied parts.		
C. Motor unit..... 1	D. Stop ring 1	I. Label sheet 1	J. Film 1			
		K. Small clamp (for DF-770)..... 1				
Français		E. Ressort 1		L. Grand collier (pour DF-790)..... 1		
Pièces fournies		F. PWB de perforatrice..... 1		M. Noyau de ferrite 1		
A. Guide de perforatrice..... 1	B. Perforatrice 1	G. Bac de récupération de la perforatrice..... 1	H. Vis S taraudée M3 x 8 3	Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.		
C. Moteur 1	D. Bague d'arrêt 1	I. Feuillet d'étiquettes 1	J. Film 1			
		K. Petit collier (pour DF-770)..... 1				
Español		E. Resorte 1		L. Sujetador grande (para DF-790)..... 1		
Partes suministradas		F. PWB de perforación..... 1		M. Núcleo de ferrita..... 1		
A. Guía de perforación..... 1	B. Perforadora..... 1	G. Caja para desechos de la perforación 1	H. Tornillo de ajuste M3 x 8..... 3	Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.		
C. Unidad motriz 1	D. Anillo de tope..... 1	I. Hoja con etiqueta 1	J. Película 1			
		K. Sujetador pequeño (para DF-770)..... 1				
Deutsch		E. Feder 1		L. Große Klemme (für DF-790)..... 1		
Gelieferte Teile		F. Locher-PWB 1		M. Ferritkern 1		
A. Locherführung 1	B. Lochereinheit..... 1	G. Lochungsabfallbehälter..... 1	H. M3 x 8 Passstift-Verbandschrauben 3	Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.		
C. Motoreinheit..... 1	D. Anschlagring..... 1	I. Aufkleberbogen..... 1	J. Film 1			
		K. Kleine Klemme (für DF-770)..... 1				
Italiano		E. Molla 1		L. Morsetto grande (per DF-790) 1		
Parti di forniture		F. Scheda a circuiti stampati di perforazione 1		M. Nucleo di ferrite..... 1		
A. Guida perforazione 1	B. Unità di perforazione 1	G. Scarto perforazione 1	H. Viti con testa a croce S M3 x 8..... 3	Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.		
C. Unità motore 1	D. Anello di bloccaggio..... 1	I. Foglio di etichette..... 1	J. Pellicola 1			
		K. Morsetto piccolo (per DF-770) 1				
简体中文		E. 弹簧 1		K. 固定夹 小 (DF-770 用) 1		
附属品		F. 打孔单元电路板 1		L. 固定夹 大 (DF-790 用) 1		
A. 打孔导向板..... 1	B. 打孔单元..... 1	G. 打孔纸屑盒 1	H. M3 X 8 攻丝紧固型 S 螺丝 3	M. 磁环 1		
C. 电机单元..... 1	D. 止动环..... 1	I. 标签纸 1	J. 胶片 1	如果附属品上带有固定胶带, 缓冲材料时务必揭下。		
한국어		E. 스프링 1		K. 클램프 소 (DF-770 용) 1		
동봉품		F. 펀치기판..... 1		L. 클램프 대 (DF-790 용) 1		
A. 펀치가이드..... 1	B. 펀치유닛..... 1	G. 펀치폐기박스..... 1	H. 나사 M3x8 탭타이트 S..... 3	M. 페라이트 코어..... 1		
C. 모터유닛..... 1	D. 스톱링..... 1	I. 라벨 시트..... 1	J. 필름..... 1	동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.		
日本語		E. バネ 1		L. クランプ大 (DF-790 用) 1		
同梱品		F. パンチ基板 1		M. フェライトコア 1		
A. パンチガイド..... 1	B. パンチユニット..... 1	G. パンチくずボックス 1	H. ビス M3x8 タップタイト S 3	同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。		
C. モーターユニット..... 1	D. ストップリング..... 1	I. ラベルシート 1	J. フィルム 1			
		K. クランプ小 (DF-770 用) 1				



Removing the cover (DF-770)

If installing on the DF-790, proceed to step 1 on page 3.

1. Remove the screw (1) and remove the small rear cover (2).



2. Remove the 2 screws (3) and remove the upper rear cover (4).

Procedure

Before installing the hole punch unit, make sure the MFP's main power switch is turned off and that its power cord is unplugged from the power outlet.

Install the document finisher first and then install the hole punch unit.

Procédure

Avant d'installer la perforatrice, s'assurer que l'interrupteur d'alimentation principal du MFP est hors tension et que le câble d'alimentation est débranché de la prise secteur.

Installer d'abord le finisseur de document, puis installer la perforatrice.

Dépose du couvercle (DF-770)

Pour l'installation sur le modèle DF-790, passer à l'étape 1 de la page 3.

1. Déposer la vis (1) et déposer le petit couvercle arrière (2).

2. Déposer les 2 vis (3) et déposer le couvercle supérieur arrière (4).

Procedimiento

Antes de instalar la perforadora, asegúrese de que el interruptor principal de la alimentación del MFP esté desconectado y de que el cable de alimentación esté desenchufado de la toma de corriente de la pared.

Instale primero el finalizador de documentos y luego instale la perforadora.

Extracción de la cubierta (DF-770)

Si realiza la instalación en el DF-790, vaya al paso 1 de la página 3.

1. Quite el tornillo (1) y, después, quite la cubierta trasera pequeña (2).

2. Quite los 2 tornillos (3) y, después, quite la cubierta trasera superior (4).

Verfahren

Bevor Sie mit dem Einbau der Lochereinheit beginnen, stellen Sie sicher, dass der Hauptschalter des Kopierers ausgeschaltet und das Netzkabel aus der Steckdose gezogen ist. Bringen Sie den Dokument-Finisher zuerst und dann erst die Lochereinheit an.

Entfernen der Abdeckung (DF-770)

Zur Installation des DF-790 weitergehen zu Schritt 1 auf Seite 3.

1. Die Schraube (1) entfernen und die kleine hintere Abdeckung (2) abnehmen.

2. Die 2 Schrauben (3) entfernen und die obere hintere Abdeckung (4) abnehmen.

Procedura

Prima di installare l'unità di perforazione, assicurarsi che l'interruttore principale dell'MFP sia spento e che il cavo di alimentazione sia scollegato dalla presa di corrente.

Installare prima la finitrice e poi procedere all'installazione dell'unità di perforazione.

Rimozione del coperchio (DF-770)

Se si installa sull'unità DF-790, procedere al passo 1 a pagina 3.

1. Rimuovere la vite (1) e quindi rimuovere il pannello posteriore piccolo (2).

2. Rimuovere le 2 viti (3) e quindi rimuovere il pannello superiore posteriore (4).

安装步骤

安装打孔单元时，必须先关闭 MFP 主机的主电源开关，并拔下电源插头后再进行作业。首先安装装订器，然后安装打孔单元。

拆下盖板 (DF-770 时)

安装到 DF-790 上时，跳至 P3 的步骤 1。

1. 拆除 1 颗螺丝 (1)，拆下后部小盖板 (2)。

2. 拆除 2 颗螺丝 (3)，拆下后上部盖板 (4)。

설치순서

펀치유니트를 부착할 때에는 반드시 MFP 본체의 주 전원 스위치를 OFF 로 하고 전원플러그를 뺀 다음 작업을 할 것 .
문서 피니셔를 설치 후 , 펀치유니트를 설치 할 것 .

커버제거 (DF-770 의 경우)

DF-790 에 장착하는 경우에는 P3 의 순서 1 로 진행합니다 .

1. 나사 (1) 1 개를 제거하고 뒷 소커버 (2) 를 제거합니다 .

2. 나사 (3) 2 개를 제거하고 뒷 상커버 (4) 를 제거합니다 .

取付手順

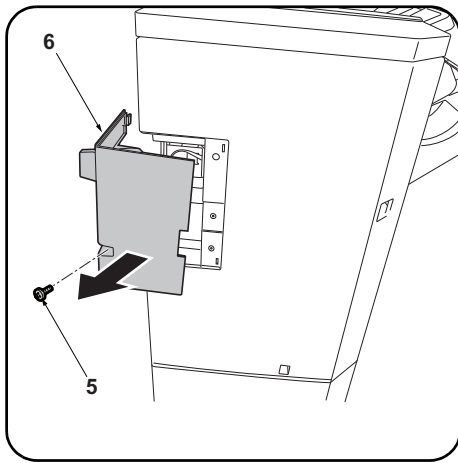
パンチユニットを設置するときは、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業すること。
ドキュメントフィニッシャーを設置後、パンチユニットを設置すること。

カバーの取り外し (DF-770 の場合)

DF-790 に装着の場合は、P3 の手順 1 へ進む。

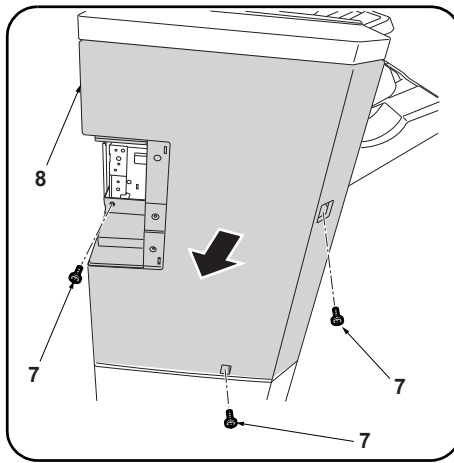
1. ビス (1) 1 本を外し、後小カバー (2) を取り外す。

2. ビス (3) 2 本を外し、後上カバー (4) を取り外す。

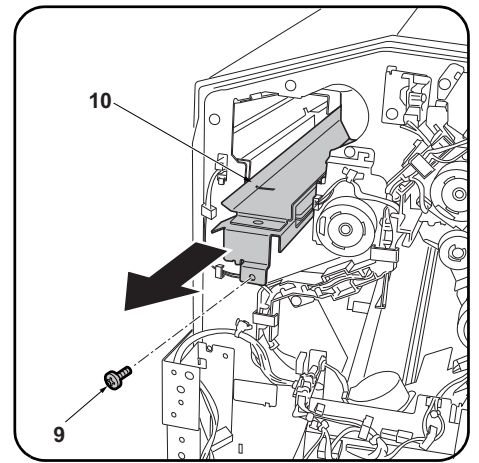


Removing the cover (DF-790)

1. Remove the screw (5) and remove the small rear cover (6).



2. Remove the 3 screws (7) and remove the upper rear cover (8).



Installing the hole punch unit

3. Remove the screw (9) and pull the guide (10) outwards.

Dépose du couvercle (DF-790)

1. Déposer la vis (5) et déposer le petit couvercle arrière (6).

2. Déposer les 3 vis (7) et déposer le couvercle supérieur arrière (8).

Installation de la perforatrice

3. Déposer la vis (9) et tirer le guide (10) vers l'extérieur.

Extracción de la cubierta (DF-790)

1. Quite el tornillo (5) y, después, quite la cubierta trasera pequeña (6).

2. Quite los 3 tornillos (7) y, después, quite la cubierta trasera superior (8).

Instalación de la perforadora

3. Quite el tornillo (9) y tire de la guía (10) hacia fuera.

Entfernen der Abdeckung (DF-790)

1. Die Schraube (5) entfernen und die kleine hintere Abdeckung (6) abnehmen.

2. Die 3 Schrauben (7) entfernen und die obere hintere Abdeckung (8) abnehmen.

Anbringen der Lochereinheit

3. Die Schraube (9) entfernen und die Führung (10) nach außen ziehen.

Rimozione del coperchio (DF-790)

1. Rimuovere la vite (5) e quindi rimuovere il pannello posteriore piccolo (6).

2. Rimuovere le 3 viti (7) e quindi rimuovere il pannello superiore posteriore (8).

Installare l'unità di perforazione

3. Rimuovere la vite (9) ed estrarre la guida (10) verso l'esterno.

拆下盖板 (DF-790 时)

1. 拆除 1 颗螺丝 (5), 拆下后部小盖板 (6)。

2. 拆除 3 颗螺丝 (7), 拆下后上部盖板 (8)。

安装打孔单元

3. 拆除 1 颗螺丝 (9), 将导向板 (10) 向外拉出。

커버제거 (DF-790 의 경우)

1. 나사 (5) 1 개를 제거하고 뒷 소커버 (6) 를 제거합니다 .

2. 나사 (7) 3 개를 제거하고 뒷 상커버 (8) 를 제거합니다 .

펀치유닛 부착

3. 나사 (9) 1 개를 제거하고 가이드 (10) 을 앞으로 끌어 당깁니다 .

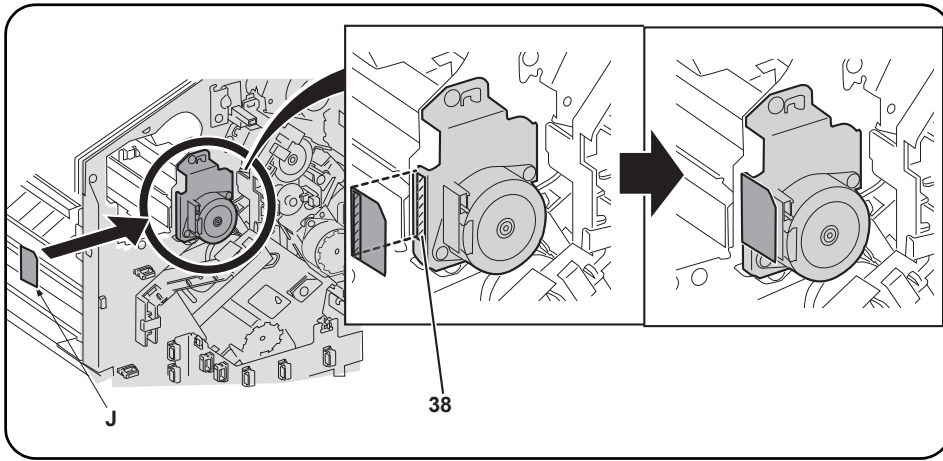
カバーの取り外し (DF-790 の場合)

1. ビス (5) 1 本を外し、後小カバー (6) を取り外す。

2. ビス (7) 3 本を外し、後上カバー (8) を取り外す。

パンチユニットの取り付け

3. ビス (9) 1 本を外し、ガイド (10) を手前に引き出す。



4. After using alcohol to clean the shaded portion (38) of the motor shown for adhering the film (J), adhere the film.

4. Après avoir utilisé de l'alcool pour nettoyer la partie du moteur hachurée (38) sur laquelle le film (J) est apposé, coller ce film.

4. Después de utilizar alcohol para limpiar la parte sombreada (38) del motor mostrada en la ilustración para pegar la película (J), pegue la película.

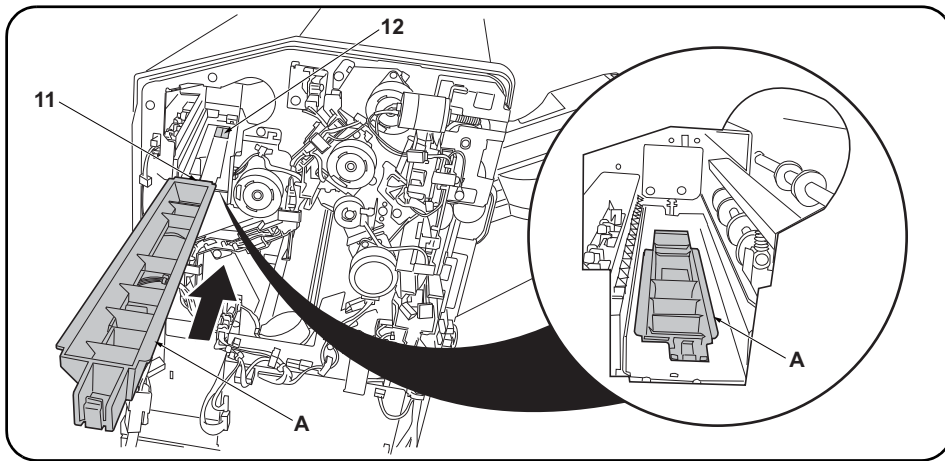
4. Den in der Abbildung grau dargestellten Teil (38) des Motors zum Anbringen des Films (J) mit Alkohol reinigen und dann den Film anbringen.

4. Dopo aver usato l'alcool per pulire la parte ombreggiata (38) del motore, illustrata per l'adesione della pellicola (J), far aderire la pellicola.

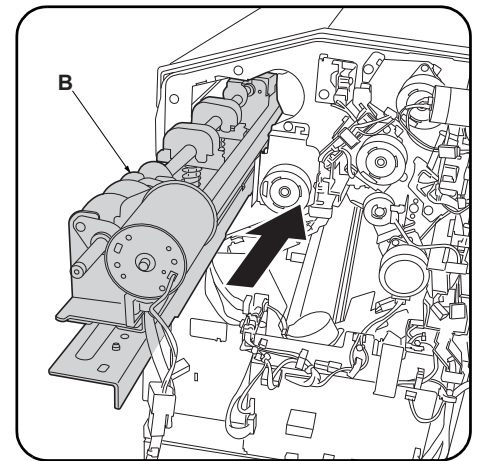
4. 用酒精清洁电机斜侧处(38)的粘贴位置后, 粘贴胶片(J)。

4. 모터 사선부(38)의 부착위치를 알코올 청소 후, 필름(J)을 부착합니다.

4. モーター斜線部(38)の貼り付け位置をアルコール清掃後、フィルム(J)を貼り付ける。



5. Install the punch guide (A) so that the leading edge of the guide (11) is below the document finisher frame (12).



6. Insert the hole punch unit (B) into the document finisher.

5. Monter le guide de la perforatrice (A) de sorte que le bord d'attaque du guide (11) se trouve sous le bâti du retoucheur de document (12).

6. Insérer la perforatrice (B) dans le retoucheur de document.

5. Instale la guía de perforación (A) de forma tal que el borde delantero de la guía (11) quede debajo de la carcasa del finalizador de documentos (12).

6. Inserte la perforadora (B) en el finalizador de documentos.

5. Die Locherführung (A) so einsetzen, dass die Vorderkante der Führung (11) unter dem Rahmen (12) des Dokument-Finishers liegt.

6. Die Lochereinheit (B) in den Dokument-Finisher einsetzen.

5. Installare la guida perforazione (A) in modo che il bordo principale della guida (11) sia sotto il telaio (12) della finitrice di documenti.

6. Inserire l'unità di perforazione (B) nella finitrice di documenti.

5. 将打孔导向板 (A) 的前端 (11) 安装在装订器的框架 (12) 的下部。

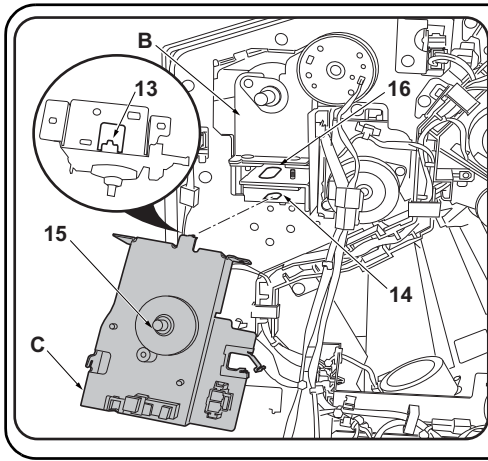
6. 将打孔单元 (B) 插入到装订器中。

5. 펀치가이드 (A) 의 끝 (11) 이 문서 피니셔의 프레임 (12) 밑으로 되도록 장착합니다 .

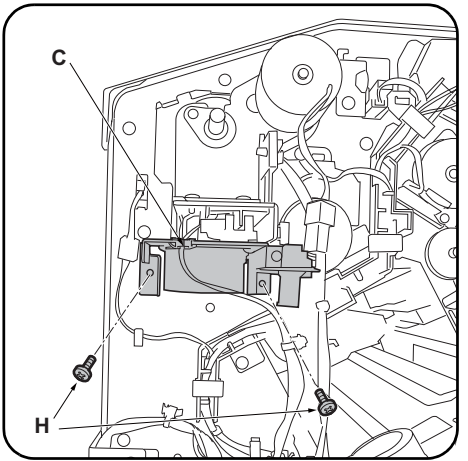
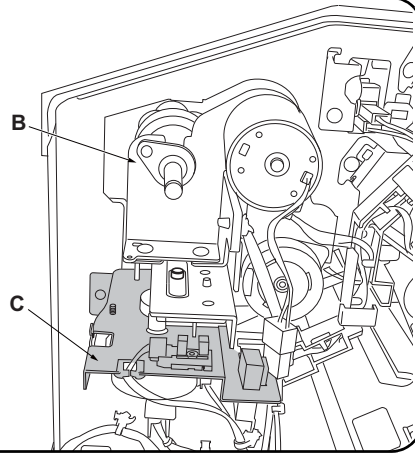
6. 펀치유닛 (B) 를 문서 피니셔에 삽입합니다 .

5.パンチガイド (A) の先端 (11) がドキュメントフィニッシャーのフレーム (12) の下になるように取り付ける。

6.パンチユニット (B) をドキュメントフィニッシャーに挿入する。



7. Raise the hole punch unit (B) slightly and fit the hook (13) on the motor unit (C) into the groove (14) in the document finisher. At the same time, insert the rod (15) on the motor unit (C) into the hole (16) in the hole punch unit (B).



8. Secure the motor unit (C) with the 2 screws (H).

7. Lever légèrement la perforatrice (B) et insérer le crochet (13) du moteur (C) dans la rainure (14) du retoucheur de document. Insérer en même temps la tige (15) du moteur (C) dans le trou (16) de la perforatrice (B).

8. Fixer le moteur (C) à l'aide de 2 vis (H).

7. Levante ligeramente la perforadora (B) y encaje el gancho (13) de la unidad motriz (C) en la ranura (14) del finalizador de documentos. Al mismo tiempo, inserte la varilla (15) de la unidad motriz (C) en el orificio (16) de la perforadora (B).

8. Asegure la unidad motriz (C) con los 2 tornillos (H).

7. Die Lochereinheit (B) leicht anheben und den Haken (13) an der Motoreinheit (C) in die Nut (14) des Dokument-Finishers einsetzen. Dabei auch die Stange (15) an der Motoreinheit (C) in die Öffnung (16) der Lochereinheit (B) einstecken.

8. Die Motoreinheit (C) mit den 2 Schrauben (H) sichern.

7. Sollevare leggermente l'unità di perforazione (B) ed inserire il gancio (13) sull'unità motore (C) nella scanalatura (14) della finitrice di documenti. Contemporaneamente, inserire l'asta (15) sull'unità motore (C) nel foro (16) dell'unità di perforazione (B).

8. Fissare l'unità motore (C) con le 2 viti (H).

7. 稍稍抬起打孔单元 (B), 将电机单元 (C) 的卡扣 (13) 嵌入装订器的沟槽 (14) 内。与此同时, 将电机单元 (C) 的轴 (15) 插入打孔单元 (B) 的孔 (16) 中。

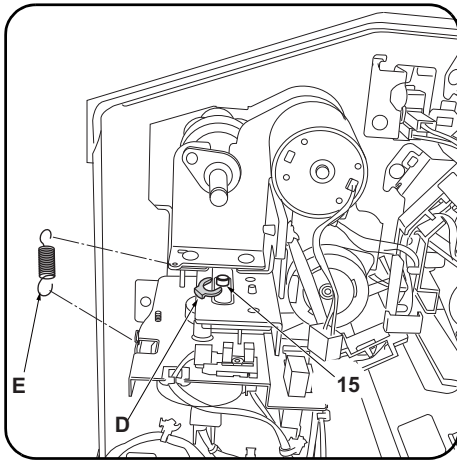
8. 使用 2 颗螺丝 (H) 来固定电机单元 (C)。

7. 펀치유닛 (B) 를 조금 들면서 모터유닛 (C) 후크 (13) 를 문서 피니셔의 구 (14) 에 꽂습니다 . 이것과 동시에 모터유닛 (C) 의 축 (15) 을 펀치유닛 (B) 구멍 (16) 에 삽입합니다 .

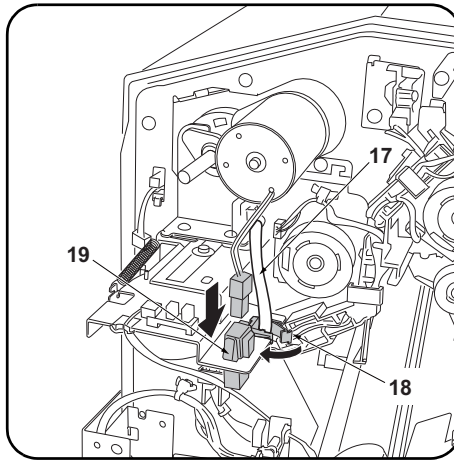
8. 나사 (H) 2 개로 모터유닛 (C) 를 고정합니다 .

7.パンチユニット (B) を少し持ち上げながら、モーターユニット (C) のフック (13) をドキュメントフィニッシャーの溝 (14) にはめ込む。これと同時に、モーターユニット (C) の軸 (15) をパンチユニット (B) の穴 (16) に挿入する。

8.ビス (H) 2 本で、モーターユニット (C) を固定する。



9. Fit the stop ring (D) over the motor unit rod (15) and fit the spring (E) between the hole punch unit and motor unit.



10. Run the hole punch unit wire (17) through the motor unit edging (18).

11. Plug the wire from the hole punch unit motor into the connector on the motor unit (19).

9. Monter la bague d'arrêt (D) sur la tige du moteur (15) et insérer le ressort (E) entre la perforatrice et le moteur.

10. Faire passer le câble de la perforatrice (17) dans le passage de câbles du moteur (18)
11. Raccorder le câble du moteur de la perforatrice au connecteur du moteur (19).

9. Coloque el anillo de tope (D) sobre la varilla de la unidad motriz (15) y coloque el resorte (E) entre la perforadora y la unidad motriz.

10. Tienda el cable de la perforadora (17) a través de la pestaña de la unidad motriz (18).
11. Enchufe el cable del motor de la perforadora al conector de la unidad motriz (19).

9. Den Anschlagring (D) auf die Stange (15) der Motoreinheit setzen und die Feder (E) zwischen Lochereinheit und Motoreinheit einsetzen.

10. Das Kabel (17) der Lochereinheit durch den Kantenschutz (18) der Motoreinheit führen.
11. Das Kabel vom Motor der Lochereinheit an den Steckverbinder der Motoreinheit (19) anschließen.

9. Inserire l'anello di bloccaggio (D) sull'asta (15) dell'unità motore ed inserire molla (E) tra l'unità di perforazione e l'unità motore.

10. Far passare il cavo dell'unità di perforazione (17) attraverso il bordo (18) dell'unità motore.
11. Collegare il cavo dal motore dell'unità di perforazione nel connettore sull'unità motore (19).

9. 将止动环 (D) 嵌入到电机单元的轴 (15) 上, 在打孔单元与电机单元之间安装弹簧 (E)。

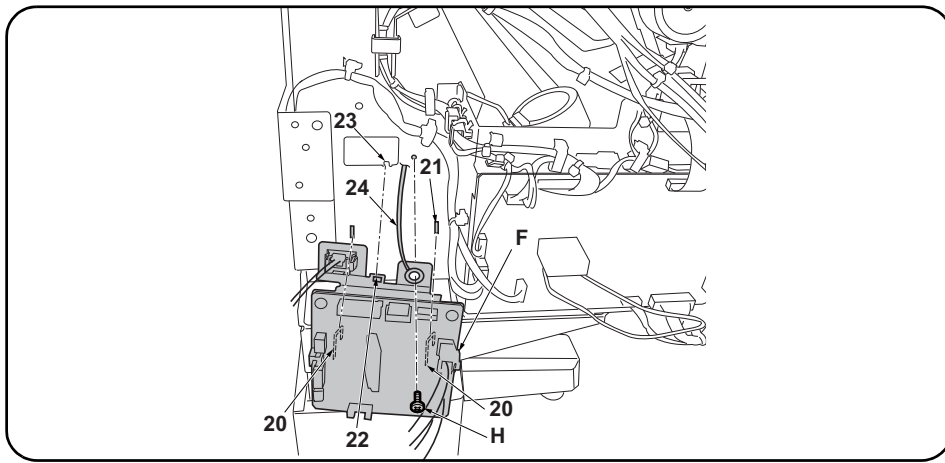
10. 将打孔单元的电线 (17) 穿过电机单元的包边孔 (18)。
11. 将来自打孔单元的电机的电线与电机单元的接插件 (19) 相连接。

9. 모터유닛 축 (15) 에 스톱링 (D) 을 끼고 펀치유닛과 모터유닛 사이에 스프링 (E) 을 설치합니다 .

10. 펀치유닛의 전선 (17) 을 모터유닛의 에징 (18) 에 지나가게 합니다 .
11. 펀치유닛 모터에서의 전선을 모터유닛 커넥터 (19) 에 접속합니다 .

9. 모터유닛의 축 (15) にストップ링 (D) をはめ、パンチユニットとモーターユニットの間にバネ (E) を取り付けます。

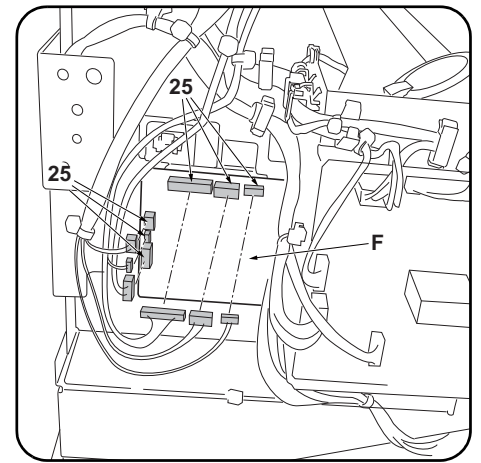
10. パンチユニットの電線 (17) をモーターユニットのエッジング (18) に通す。
11. パンチユニットのモーターからの電線をモーターユニットのコネクタ (19) に接続する。



Installing the punch PWB and waste hole punch box (DF-770)

If installing on the DF-790, proceed to step 12 on page 12.

- Fit the 2 hooks (20) in the punch PWB (F) into the cut (21) in the document finisher. At the same time, insert the projection (23) on the document finisher into the hole (22) in the punch PWB (F).
- Using the screw (H), tighten the hole punch unit ground wire (24) and the punch PWB (F) together.



- Plug the 6 hole punch unit wires into the connectors (25) on the punch PWB (F).

Installation de la PWB de la perforatrice et du bac de récupération de la perforatrice (DF-770).

Pour une installation sur le modèle DF-790, passer à l'étape 12 en page 12.

- Insérer les 2 crochets (20) de la PWB de la perforatrice (F) dans la découpe (21) du retoucheur de document. Insérer en même temps la saillie (23) du retoucheur de document dans le trou (22) de la PWB de la perforatrice (F).
- Fixer le câble de terre de la perforatrice (24) à la PWB de la perforatrice (F) à l'aide d'une vis (H).

- Raccorder les 6 câbles de la perforatrice aux connecteurs (25) de la PWB de la perforatrice (F).

Instalación del PWB de perforación y la caja para desechos de la perforación (DF-770)

Si realiza la instalación en el DF-790, vaya al paso 12 de la página 12.

- Coloque los 2 ganchos (20) del PWB de perforación (F) en el corte (21) del finalizador de documentos. Al mismo tiempo, inserte el resalto (23) del finalizador de documentos en el orificio (22) del PWB de perforación (F).
- Usando el tornillo (H), apriete juntos el cable de conexión a tierra de la perforadora (24) y el PWB de perforación (F).

- Enchufe los 6 cables de la perforadora a los conectores (25) del PWB de perforación (F).

Installation der Locher-PWB und des Lochungsabfallbehälters (DF-770)

Zur Installation des DF-790 weitergehen zu Schritt 12 auf Seite 12.

- Die 2 Haken (20) in der Locher-PWB (F) in die Aussparung (21) am Dokument-Finisher einsetzen. Dabei auch den Vorsprung (23) am Dokument-Finisher in die Öffnung (22) auf der Locher-PWB (F) einsetzen.
- Mit der Schraube (H) das Massekabel (24) der Lochereinheit an der Locher-PWB (F) festziehen.

- Die 6 Kabel der Lochereinheit an die Steckverbinder (25) der Locher-PWB (F) anschließen.

Installazione della scheda a circuiti stampati di perforazione e dello scarto perforazione (DF-770)

Se si installa sull'unità DF-790, procedere al passo 12 a pagina 12.

- Inserire i 2 ganci (20) della scheda a circuiti stampati di perforazione (F) nell'incisione (21) della finitrice di documenti. Contemporaneamente, inserire la sporgenza (23) sulla finitrice di documenti nel foro (22) della scheda a circuiti stampati di perforazione (F).
- Utilizzando la vite (H), stringere insieme il cavo di terra (24) dell'unità di perforazione e la scheda a circuiti stampati di perforazione (F).

- Collegare i 6 cavi dell'unità di perforazione nei connettori (25) sulla scheda a circuiti stampati di perforazione (F).

安装电路板与打孔纸屑盒 (DF-770 时)

安装到 DF-790 上时, 跳至 P12 的步骤 12。

- 将打孔电路板 (F) 的 2 个卡扣 (20) 挂在装订器的缺口 (21) 上。同时, 将打孔电路板 (F) 的孔 (22) 卡入装订器的突出部 (23)。
- 使用 1 颗螺丝 (H) 将打孔单元的接地线 (24) 与打孔电路板 (F) 一起固定。

- 将打孔单元的 6 根电线与打孔电路板 (F) 的接插件 (25) 相连接。

기판과 펀치폐기박스의 부착 (DF-770 의 경우)

DF-790 에 장착하는 경우에는 P12 의 순서 12 로 진행합니다 .

- 펀치기판 (F) 의 후크 (20) 2 곳을 문서 피니셔의 구멍 (21) 에 걸립니다 . 동시에 펀치기판 (F) 구멍 (22) 을 문서 피니셔의 돌기 (23) 에 넣습니다 .
- 나사 (H) 1 개로 펀치유니트의 접지선 (24) 과 펀치기판 (F) 을 함께 조입니다 .

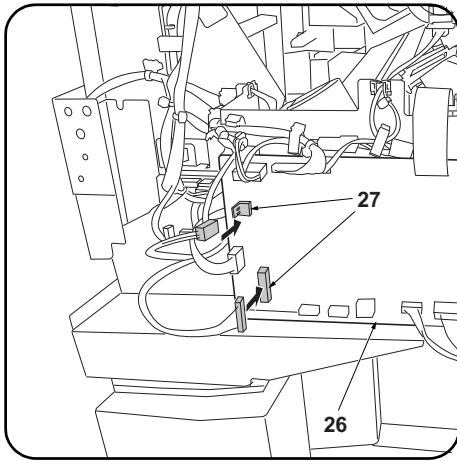
- 펀치유니트의 전선 6 선을 펀치기판 (F) 커넥터 (25) 에 접속합니다 .

基板とパンチくずボックスの取り付け (DF-770 の場合)

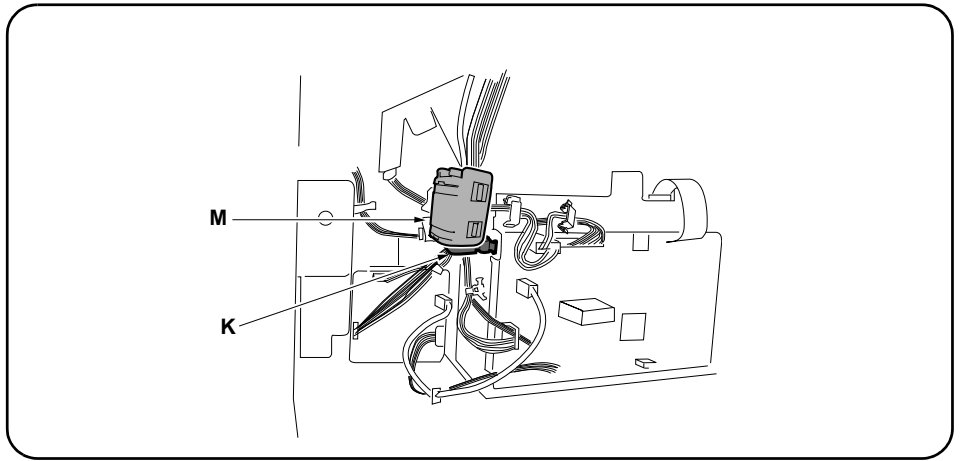
DF-790 に装着の場合は、P12 の手順 12 へ進む。

- パンチ基板 (F) のフック (20) 2箇所をドキュメントフィニッシャーの切り欠き (21) に引っ掛ける。同時に、パンチ基板 (F) の穴 (22) をドキュメントフィニッシャーの突起 (23) に入れる。
- ビス (H) 1本で、パンチユニットのアース線 (24) とパンチ基板 (F) を共締めする。

- パンチユニットの電線 6本を、パンチ基板 (F) のコネクタ (25) に接続する。



15. Plug the 2 punch PWB wires into the connectors (27) on the DF main PWB (26).



16. Install the small clamp (K) on the finisher, then pass and fasten the wires from the motor unit and hole punch unit.

17. Attach the ferrite core (M) to the wire.

15. Raccorder les 2 câbles de la PWB de la perforatrice aux connecteurs (27) de la PWB principale du DF (26).

16. Monter le petit collier (K) sur le retoucheur puis faire passer les câbles du moteur et de la perforatrice dans ce collier pour les fixer en place

17. Fixer le noyau en ferrite (M) au câble.

15. Enchufe los 2 cables del PWB de perforación a los conectores (27) del PWB principal del DF (26).

16. Instale el sujetador pequeño (K) en el finalizador, después tienda y ajuste los cables de la unidad motriz y la perforadora.

17. Fije el núcleo de ferrita (M) al cable.

15. Die 2 Kabel der Locher-PWB an die Steckverbinder (27) der DF-Haupt-PWB (26) anschließen.

16. Die kleine Klemme (K) am Finisher anbringen, dann die Kabel von der Motoreinheit und der Lochereinheit hindurchführen und befestigen.

17. Den Ferritkern (M) am Kabel befestigen.

15. Collegare i 2 cavi della scheda a circuiti stampati di perforazione nei connettori (27) sulla scheda principale PWB (26) della DF.

16. Installare il morsetto piccolo (K) sul finitore, e quindi passare e fissare i cavi dall'unità motore e dall'unità di perforazione.

17. Applicare il nucleo in ferrite (M) al cavo.

15. 将打孔电路板的2根电线与DF主电路板(26)的接插件(27)连接。

16. 把小固定夹(K)安装在装订器上,从电机单元和打孔单元出来的导线穿过固定夹来固定。

17. 用磁环(M)套住导线。

15. 펀치기판의 전선 2 선을 DF 주 회로기판(26)의 커넥터(27)에 접속합니다.

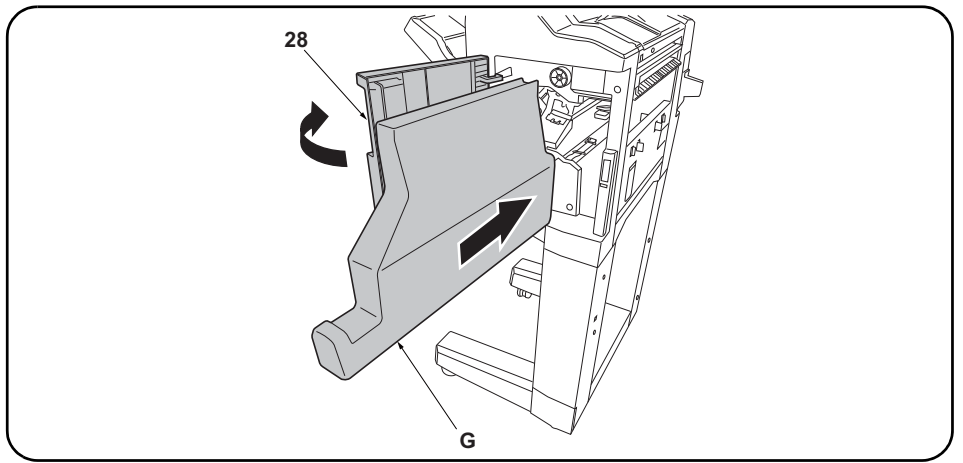
16. 클램프 소(K)를 피니셔에 장착, 모터 유닛과 펀치 유닛에서부터 전선을 통과시키고 고정합니다.

17. 페라이트 코어(M)를 전선으로 장착합니다.

15. パンチ基板の電線2本をDF主回路基板(26)のコネクター(27)に接続する。

16. クランプ小(K)をフィニッシャーに取り付け、モーターユニットとパンチユニットからの電線を通し、固定する。

17. フェライトコア(M)を電線に取り付ける。



18. Replace the upper rear cover (4) and small rear cover (2).

19. Open the upper front cover (28) and insert the waste hole punch box (G).

18. Reposer le couvercle supérieur arrière (4) et le petit couvercle arrière (2).

19. Ouvrir le couvercle supérieur avant (28) et insérer le bac de récupération de la perforatrice (G).

18. Vuelva a colocar la cubierta trasera superior (4) y la cubierta trasera pequeña (2).

19. Abra la cubierta delantera superior (28) e inserte la caja para desechos de la perforación (G).

18. Die obere hintere Abdeckung (4) und die kleine hintere Abdeckung (2) wieder einsetzen.

19. Die obere vordere Abdeckung (28) öffnen und den Lochungsabfallbehälter (G) einsetzen.

18. Ricollocare il pannello superiore posteriore (4) e il pannello posteriore piccolo (2).

19. Aprire il pannello superiore anteriore (28) ed inserire lo scarto perforazione (G).

18. 按原样安装后上部盖板 (4) 与后部小盖板 (2)。

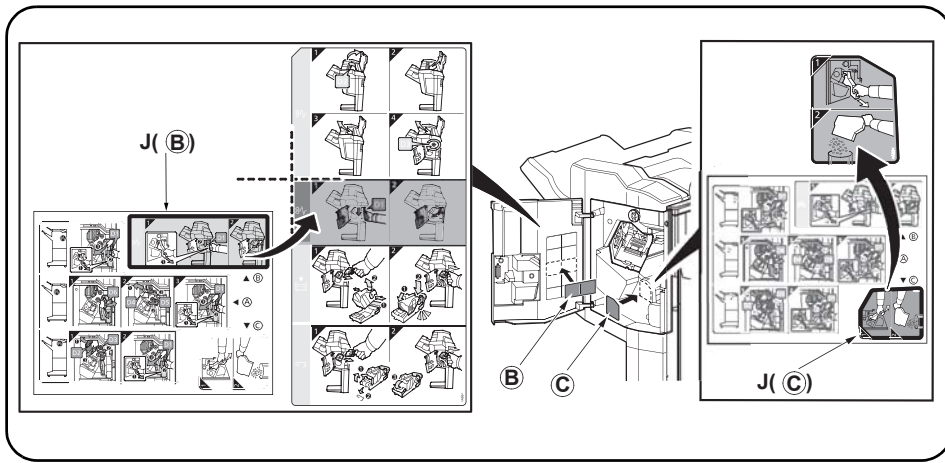
19. 打开前上部盖板 (28)，插入打孔纸屑盒 (G)。

18. 뒤 상커버 (4) 와 후 소커버 (2) 를 원래대로 부착합니다 .

19. 앞 상커버 (28) 를 열고 펀치폐기박스 (G) 를 삽입합니다 .

18. 後上カバー (4) と後小カバー (2) を元通り取り付ける。

19. 前上カバー (28) を開き、パンチくずボックス (G) を挿入する。



20. After cleaning each area with alcohol, adhere the following labels from the label sheet (J) at the locations shown in the illustration: B, C..

21. Close the upper front cover (28).

20. Après avoir nettoyé chaque zone à l'alcool, apposer les étiquettes suivantes du feuillet d'étiquettes (J) aux emplacements indiqués dans l'illustration : B, C.

21. Fermer le couvercle supérieur avant (28).

20. Después de limpiar todas las zonas con alcohol, despegue de la hoja de etiquetas (J) las etiquetas siguientes, y péguelas en los sitios que se indican en la ilustración: B, C.

21. Cierre la cubierta delantera superior (28).

20. Nachdem Sie alle Flächen mit Alkohol gereinigt haben, kleben Sie bitte die folgenden Aufkleber vom Aufkleberbogen (J) an die in der Abbildung angegebenen Stellen: B, C.

21. Die obere vordere Abdeckung (28) schließen.

20. Dopo aver pulito ciascuna zona con alcol, applicare le seguenti etichette del foglio di etichette (J) sui punti mostrati nell'illustrazione: B, C.

21. Chiudere il pannello superiore anteriore (28).

20. 用酒精清洁各区域后, 请在如图所示位置粘贴从标签纸上 (J) 撕下的下列标签 B, C。

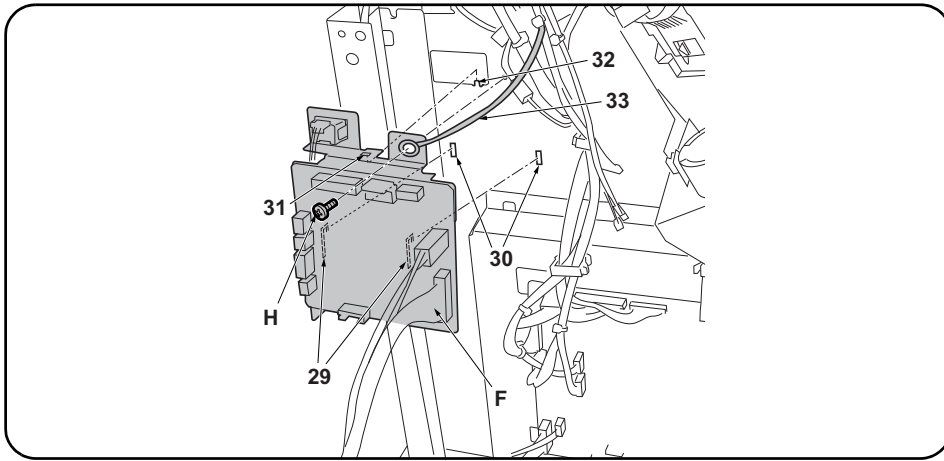
21. 关闭前上部盖板 (28)。

20. 라벨 시트 (J) 내의 하기 라벨을 일러스트의 위치에 알코올청소 후 붙입니다: B, C .

21. 앞 상커버 (28) 를 닫습니다 .

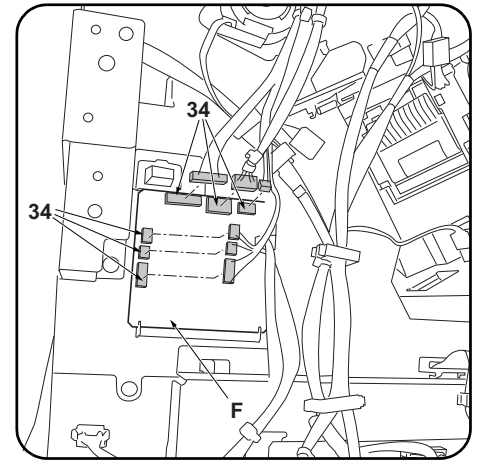
20. ラベルシート (J) 内のB,Cをイラストの位置にアルコール清掃後貼り付ける。

21. 前上カバー(28) を閉じる。



Installing the punch PWB and waste hole punch box (DF-790)

- Fit the 2 hooks (29) in the punch PWB (F) into the cut (30) in the document finisher. At the same time, insert the projection (32) on the document finisher into the hole (31) in the punch PWB (F).
- Using the screw (H), tighten the hole punch unit ground wire (33) and the punch PWB (F) together.



- Plug the 6 hole punch unit wires into the connectors (34) on the punch PWB (F).

Installation de la PWB de la perforatrice et du bac de récupération de la perforatrice (DF-790)

- Insérer les 2 crochets (29) de la PWB de la perforatrice (F) dans la découpe (30) du retoucheur de document. Insérer en même temps la saillie (32) du retoucheur de document dans le trou (31) de la PWB de la perforatrice (F).
- Fixer le câble de terre de la perforatrice (33) à la PWB de la perforatrice (F) à l'aide d'une vis (H).

- Raccorder les 6 câbles de la perforatrice aux connecteurs (34) de la PWB de la perforatrice (F).

Instalación del PWB de perforación y la caja para desechos de la perforación (DF-790)

- Coloque los 2 ganchos (29) del PWB de perforación (F) en el corte (30) del finalizador de documentos. Al mismo tiempo, inserte el resalto (32) del finalizador de documentos en el orificio (31) del PWB de perforación (F).
- Usando el tornillo (H), apriete juntos el cable de conexión a tierra de la perforadora (33) y el PWB de perforación (F).

- Enchufe los 6 cables de la perforadora a los conectores (34) del PWB de perforación (F).

Installation der Locher-PWB und des Lochungsabfallbehälters (DF-790)

- Die 2 Haken (29) in der Locher-PWB (F) in die Aussparung (30) am Dokument-Finisher einsetzen. Dabei auch den Vorsprung (32) am Dokument-Finisher in die Öffnung (31) auf der Locher-PWB (F) einsetzen.
- Mit der Schraube (H) das Massekabel (33) der Lochereinheit an der Locher-PWB (F) festziehen.

- Die 6 Kabel der Lochereinheit an die Steckverbinder (34) der Locher-PWB (F) anschließen.

Installazione della scheda a circuiti stampati di perforazione e dello scarto perforazione (DF-790)

- Inserire i 2 ganci (29) della scheda a circuiti stampati di perforazione (F) nell'intaglio (30) della finitrice di documenti. Contemporaneamente, inserire la sporgenza (32) sulla finitrice di documenti nel foro (31) della scheda a circuiti stampati di perforazione (F).
- Utilizzando la vite (H), stringere insieme il cavo di terra (33) dell'unità di perforazione e la scheda a circuiti stampati di perforazione (F).

- Collegare i 6 cavi dell'unità di perforazione nei connettori (34) sulla scheda a circuiti stampati di perforazione (F).

安装电路板与打孔纸屑盒 (DF-790 时)

- 将打孔电路板 (F) 的 2 个卡扣 (29) 挂在装订器的缺口 (30) 上。同时, 将打孔电路板 (F) 的孔 (31) 卡入装订器的突出部 (32)。
- 使用 1 颗螺丝 (H) 将打孔单元的接地线 (33) 与打孔电路板 (F) 一起固定。

- 将打孔单元的 6 根电线与打孔电路板 (F) 的接插件 (34) 相连接。

기판과 펀치폐기박스의 부착 (DF-790 의 경우)

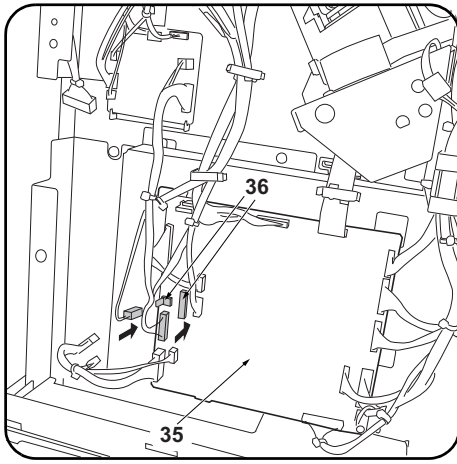
- 펀치기판 (F) 의 후크 (29) 2 곳을 문서 피니셔의 구멍 (30) 에 겁니다. 동시에 펀치기판 (F) 구멍 (31) 을 문서 피니셔의 돌기 (32) 에 넣습니다.
- 나사 (H) 1 개로 펀치유닛의 접지선 (33) 과 펀치기판 (F) 을 함께 조입니다.

- 펀치유닛의 전선 6 선을 펀치기판 (F) 커넥터 (34) 에 접속합니다.

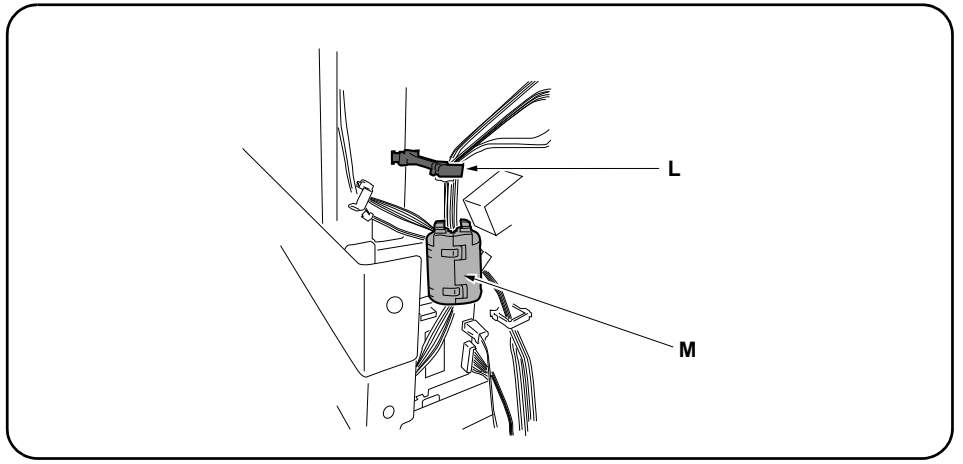
基板とパンチくずボックスの取り付け (DF-790 の場合)

- パンチ基板 (F) のフック (29) 2箇所をドキュメントフィニッシャーの切り欠き (30) に引っ掛ける。同時に、パンチ基板 (F) の穴 (31) をドキュメントフィニッシャーの突起 (32) に入れる。
- ビス (H) 1本で、パンチユニットのアース線 (33) とパンチ基板 (F) を共締めする。

- パンチユニットの電線 6本を、パンチ基板 (F) のコネクタ (34) に接続する。



15. Plug the 2 punch PWB wires into the connectors (36) on the DF main PWB (35).



16. Install the small clamp (L) on the finisher, then pass and fasten the wires from the motor unit and hole punch unit.
17. Attach the ferrite core (M) to the wire.

15. Raccorder les 2 câbles de la PWB de la perforatrice aux connecteurs (36) de la PWB principale du DF (35).

16. Installer le grand collier (L) sur le retoucheur puis faire passer les câbles du moteur et de la perforatrice dans ce collier pour les fixer en place.
17. Fixer le noyau en ferrite (M) au câble.

15. Enchufe los 2 cables del PWB de perforación a los conectores (36) del PWB principal del DF (35).

16. Instale el sujetador grande (L) en el finalizador, después tienda y ajuste los cables de la unidad motriz y la perforadora.
17. Fije el núcleo de ferrita (M) al cable.

15. Die 2 Kabel der Locher-PWB an die Steckverbinder (36) der DF-Haupt-PWB (35) anschließen.

16. Die große Klemme (L) am Finisher anbringen, dann die Kabel von der Motoreinheit und der Lochereinheit hindurchführen und befestigen.
17. Den Ferritkern (M) am Kabel befestigen.

15. Collegare i 2 cavi della scheda a circuiti stampati di perforazione nei connettori (36) sulla scheda principale PWB (35) della DF.

16. Installare il morsetto grande (L) sul finitore, e quindi passare e fissare i cavi dall'unità motore e dall'unità di perforazione.
17. Applicare il nucleo in ferrite (M) al cavo.

15. 将打孔电路板的 2 根电线与 DF 主电路板 (35) 的接插件 (36) 连接。

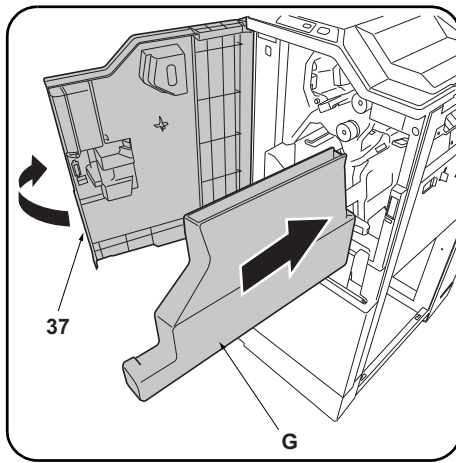
16. 把大固定夹 (L) 安装在装订器上, 从电机单元和打孔单元出来的导线穿过固定夹来固定。
17. 用磁环 (M) 套住导线。

15. 펀치기판의 전선 2 선을 DF 주 회로기판 (35) 의 커넥터 (36) 에 접속합니다 .

16. 클램프 대 (L) 를 피니셔에 장착 , 모터 유닛과 펀치 유닛에서부터 전선을 통과시키고 고정합니다 .
17. 페라이트 코어 (M) 를 전선으로 장착합니다 .

15. パンチ基板の電線 2 本を DF 主回路基板 (35) のコネクタ (36) に接続する。

16. クランプ大 (L) をフィニッシャーに取り付け、モーターユニットとパンチユニットからの電線を通し、固定する。
17. フェライトコア (M) を電線に取り付ける。



18. Replace the upper rear cover (8) and small rear cover (6).

19. Open the upper front cover (37) and insert the waste hole punch box (G).

18. Reposer le couvercle supérieur arrière (8) et le petit couvercle arrière (6).

19. Ouvrir le couvercle supérieur avant (37) et insérer le bac de récupération de la perforatrice (G).

18. Vuelva a colocar la cubierta trasera superior (8) y la cubierta trasera pequeña (6).

19. Abra la cubierta delantera superior (37) e inserte la caja para desechos de la perforación (G).

18. Die obere hintere Abdeckung (8) und die kleine hintere Abdeckung (6) wieder einsetzen.

19. Die obere vordere Abdeckung (37) öffnen und den Lochungsabfallbehälter (G) einsetzen.

18. Ricollocare il pannello superiore posteriore (8) e il pannello posteriore piccolo (6).

19. Aprire il pannello superiore anteriore (37) ed inserire lo scarto perforazione (G).

18. 按原样安装后上部盖板 (8) 与后部小盖板 (6)。

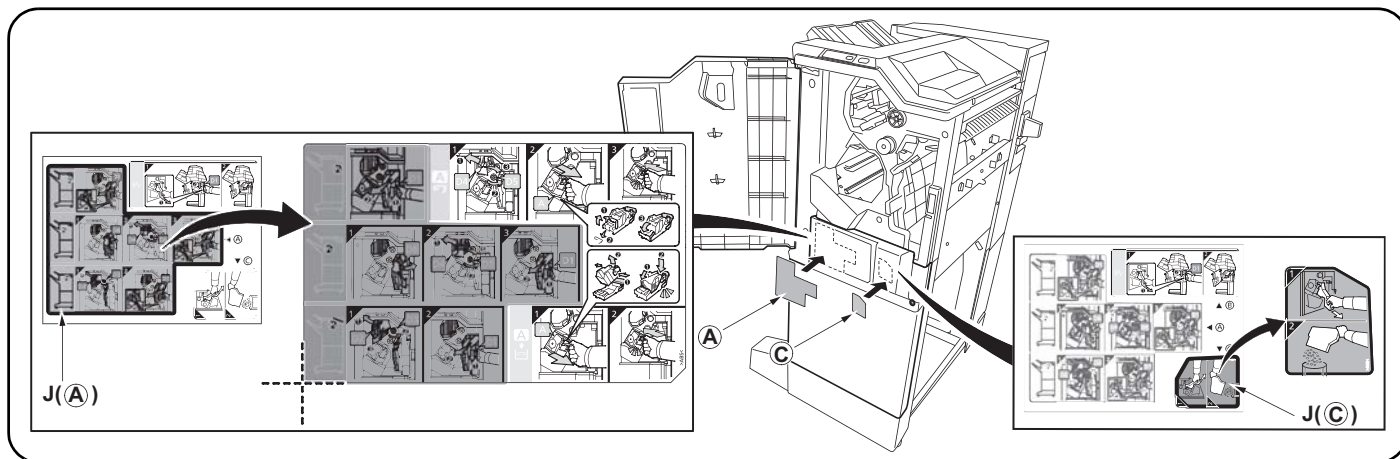
19. 打开前上部盖板 (37)，插入打孔纸屑盒 (G)。

18. 뒤 상커버 (8) 와 후 소커버 (6) 를 원래대로 부착합니다 .

19. 앞 상커버 (37) 를 열고 펀치폐기박스 (G) 를 삽입합니다 .

18. 後上カバー (8) と後小カバー (6) を元通り取り付ける。

19. 前上カバー (37) を開き、パンチくずボックス (G) を挿入する。



20. After cleaning each area with alcohol, adhere the following labels from the label sheet (J) at the locations shown in the illustration: A, C.
 21. Close the upper front cover (37).

20. Après avoir nettoyé chaque zone à l'alcool, apposer les étiquettes suivantes du feuillet d'étiquettes (J) aux emplacements indiqués dans l'illustration :
 A, C.
 21. Fermer le couvercle supérieur avant (37).

20. Después de limpiar todas las zonas con alcohol, despegue de la hoja de etiquetas (J) las etiquetas siguientes, y péguelas en los sitios que se indican en la ilustración: A, C.
 21. Cierre la cubierta delantera superior (37).

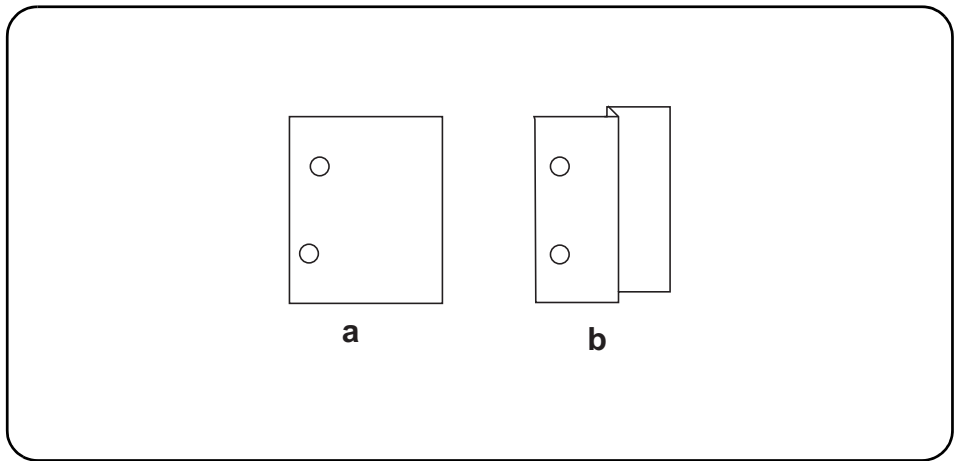
20. Nachdem Sie alle Flächen mit Alkohol gereinigt haben, kleben Sie bitte die folgenden Aufkleber vom Aufkleberbogen (J) an die in der Abbildung angegebenen Stellen: A, C.
 21. Die obere vordere Abdeckung (37) schließen.

20. Dopo aver pulito ciascuna zona con alcol, applicare le seguenti etichette del foglio di etichette (J) sui punti mostrati nell'illustrazione: A, C.
 21. Chiudere il pannello superiore anteriore (37).

20. 用酒精清洁各区域后, 请在如图所示位置粘贴从标签纸上 (J) 撕下的下列标签 A, C。
 21. 关闭前上部盖板 (37)。

20. 라벨 시트 (J) 내의 하기 라벨을 일러스트의 위치에 알코올청소 후 붙입니다: A, C .
 21. 앞 상커버 (37) 를 닫습니다 .

20. ラベルシート (J) 内の A,C をイラストの位置にアルコール清掃後貼り付ける。
 21. 前上カバー (37) を閉じる。



[Adjusting the hole punch position]

1. Connect the MFP power plug to the wall outlet and turn the MFP main power switch on.
2. Make a test copy in punch mode.
3. If any off-centering is observed, follow the procedure below to adjust the hole position.

Adjusting the hole punch entry registration

1. Enter the maintenance mode U246, select Finisher and Punch Regist.
2. Adjust the values.
When the paper fed in skewed copy example (a): Increase the setting value.
When the paper crimped copy example (b): Decrease the setting value.
3. Press the Start key to confirm the setting value.

[Réglage de la position des perforations]

1. Insérer la fiche d'alimentation du MFP dans la prise murale et mettre l'interrupteur principal du MFP sous tension.
2. Effectuer une copie d'essai en mode perforation.
3. Si les perforations sont décentrées, suivre la procédure ci-dessous pour ajuster la position de perforation.

Réglage de l'enregistrement de l'entrée des perforations

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Regist.
2. Régler les valeurs.
Si le papier est alimenté de travers exemple de copie (a): Augmentez la valeur de réglage.
Si le papier est froissé exemple de copie (b): Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

[Ajuste de la posición de perforación]

1. Conecte el enchufe del MFP en el receptáculo de pared y encienda el interruptor principal del MFP.
2. Haga una copia de prueba en el modo de perforación.
3. Si observa descentrado, siga el procedimiento de abajo para ajustar la posición del agujero.

Ajuste del registro de entrada de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Regist.
2. Ajuste los valores.
Cuando el papel alimentado está torcido copia de muestra (a): Aumente el valor de configuración.
Cuando el papel se dobló copia de muestra (b): Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

[Einstellen der Lochungsposition]

1. Stecken Sie den Netzstecker des MFP in die Wandsteckdose und schalten Sie den MFP am Hauptschalter ein.
2. Eine Testkopie im Lochungsmodus erstellen.
3. Falls eine außermittige Lochung erfolgte, ist die Lochungsposition wie folgend nachzustellen.

Einstellen der Lochungsregistrierung

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Regist.
2. Die Werte einstellen.
Wenn Papier verkantet eingezogen wird Kopiebeispiel (a): Den Einstellwert erhöhen.
Wenn Papier verknittert wird Kopiebeispiel (b): Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

[Regolazione di posizione dei fori di perforazione]

1. Collegare la spina del cavo di alimentazione dell'MFP alla presa a muro della rete elettrica e accendere l'interruttore principale di alimentazione.
2. Eseguire una copia di prova in modalità di perforazione.
3. Nel caso in cui non lo siano, eseguire la procedura indicata qui di seguito per regolarne la posizione.

Regolazione del registro del foro di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Regist.
2. Regolare i valori.
Quando l'alimentazione della carta risulta obliqua esempio di copia (a): Aumentare il valore dell'impostazione.
Quando la carta risulta increspata esempio di copia (b): Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

[打孔位置的调节]

1. 将 MFP 主机上的电源插头插入电源插座中，打开主电源开关。
2. 在打孔模式下进行测试复印。
3. 打孔位置有偏差时，按以下步骤进行调节。

打孔装入定位调节

1. 设置维护模式 U246，选择 Finisher、Punch Regist。
2. 调整设定值。
纸张斜向搬运时的复印样本 (a)：调高设定值。
纸张作 Z 字折时的复印样本 (b)：调低设定值。
3. 按 Start 键，以确定设定值。

[핀치위치의 조정]

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON으로 합니다.
2. 핀치모드에서 시험복사를 합니다.
3. 핀치위치가 벗어난 경우에는 다음 순서로 조정합니다.

핀치반입 레지스트 조정

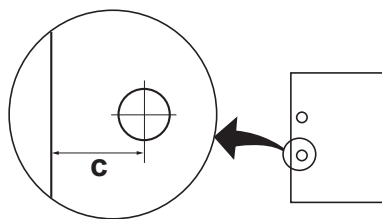
1. 메인テナンス 모드 U246 를 세트하고 Finisher, Punch Regist 를 선택합니다.
2. 설정치를 조정합니다.
용지가 경사로 반송되는 경우의 복사샘플 (a): 설정치를 높입니다.
용지가 Z 꺾임이 있는 경우의 복사샘플 (b): 설정치를 내립니다.
3. 시작키를 누르고 설정치를 확인합니다.

[パンチ位置の調整]

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. パンチモードでテストコピーを行う。
3. パンチ位置がずれていた場合、次の手順で調整を行う。

パンチ搬入レジスト調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Regist を選択する。
2. 設定値を調整する。
用紙が斜めに搬送される場合コピーサンプル (a)：設定値を上げる。
用紙が Z 折れする場合コピーサンプル (b)：設定値を下げる。
3. スタートキーを押し、設定値を確定する。



Adjusting the hole punch position feed

1. Enter the maintenance mode U246, select Finisher and Punch Feed.
2. Adjust the values.
If the punch hole position is closer to the edge than the reference value (c): Increase the setting value.
If the punch hole position is further from the edge than the reference value (c): Decrease the setting value.

3. Press the Start key to confirm the setting value.

<Reference value (c)>

Metric specification: 13 mm; Inch specification: 9.5 mm

Réglage de la position du point de perforation

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Feed.
2. Régler les valeurs.
Si la perforation est plus proche du bord de la feuille que défini par la valeur de référence (c): Augmentez la valeur de réglage.
Si la perforation est plus loin du bord de la feuille que défini par la valeur de référence (c): Diminuez la valeur de réglage.

3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

<Valeur de référence (c)>

Spécifications métriques: 13 mm; Spécifications en pouces: 9,5 mm

Ajuste de la alimentación de la posición de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Feed.
2. Ajuste los valores.
Si la posición de perforación está más cerca del borde que el valor de referencia (c): Aumente el valor de configuración.
Si la posición de perforación está más alejada del borde que el valor de referencia (c): Reduzca el valor de configuración.

3. Pulse la tecla de Start para confirmar el valor de configuración.

<Valor de referencia (c)>

Sistema métrico: 13 mm; en pulgadas: 9,5 mm

Einstellen des Transports der Lochungsposition

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Feed.
2. Die Werte einstellen.
Falls die Lochungsposition näher an der Kante liegt als der Bezugswert (c) erlaubt: Den Einstellwert erhöhen.
Falls die Lochungsposition ferner von der Kante liegt als der Bezugswert (c) erlaubt: Den Einstellwert verringern.

3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

<Bezugswert (c)>

Metrischer Abstand: 13 mm; Abstand in Zoll: 9,5 mm

Regolazione spostamento di posizione dei fori di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Feed.
2. Regolare i valori.
Se la posizione dei fori di perforazione è più vicina al bordo rispetto al valore di riferimento (c): Aumentare il valore dell'impostazione.
Se la posizione dei fori di perforazione è più lontana dal bordo rispetto al valore di riferimento (c): Diminuire il valore dell'impostazione.

3. Premere il tasto di Start per confermare il valore dell'impostazione.

<Valore di riferimento (c)>

Specificazione in unità metrica: 13 mm; Specificazione in pollici: 9,5 mm

打孔位置搬送调节

1. 设置维护模式 U246, 选择 Finisher、Punch Feed。
2. 调整设定值。
打孔位置比基准值 (c) 短时: 调高设定值。
打孔位置比基准值 (c) 长时: 调低设定值。

3. 按 Start 键, 以确定设定值。

<基准值 (c) >

公制规格: 13mm、英制规格: 9.5mm

핀치위치 반송조정

1. 메인터너스 모드 U246 를 세트하고 Finisher, Punch Feed 를 선택합니다.
2. 설정치를 조정합니다.
핀치구멍의 위치가 기준치 (c) 보다 짧은 경우: 설정치를 높입니다.
핀치구멍의 위치가 기준치 (c) 보다 긴 경우: 설정치를 내립니다.

3. 시작키를 누르고 설정치를 확인합니다.

<기준치 (c) >

센치사양: 13mm, 인치사양: 9.5mm

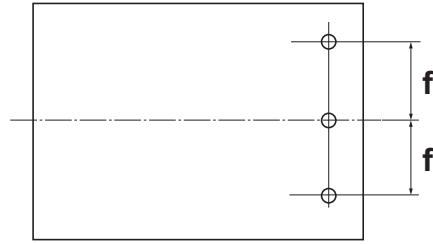
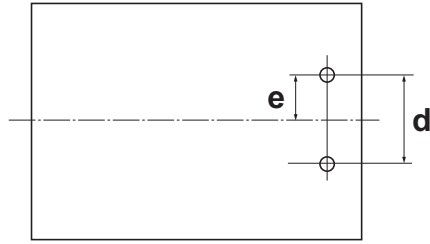
パンチ位置搬送調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Feed を選択する。
2. 設定値を調整する。
パンチ穴の位置が基準値 (c) より短い場合: 設定値を上げる。
パンチ穴の位置が基準値 (c) より長い場合: 設定値を下げる。

3. スタートキーを押し、設定値を確定する。

<基準値 (c) >

センチ仕様: 13mm、インチ仕様: 9.5mm



Centering the hole punch position

1. Enter the maintenance mode U246, select Finisher and Punch Width.
2. Adjust the values.
If the punch hole is too close to the front of the machine: Decrease the setting value.
If the punch hole is too close to the rear of the machine: Increase the setting value.

3. Press the Start key to confirm the setting value.

<Reference value>

Metric specification: $d = 80 \text{ mm} \pm 0.5$, $e = 40 \text{ mm} \pm 2$
Inch specification: $d = 2.75 \text{ inch} \pm 0.5$, $e = 1.375 \text{ inch} \pm 2$,
 $f = 4.25 \text{ inch} \pm 0.5$

Centrage de la position de perforation

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Width.
2. Régler les valeurs.
Si la perforation est trop proche de l'avant de la machine: Diminuez la valeur de réglage.
Si la perforation est trop proche de l'arrière de la machine: Augmentez la valeur de réglage.

3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

<Valeur de référence>

Spécifications métriques: $d = 80 \text{ mm} \pm 0.5$, $e = 40 \text{ mm} \pm 2$
Spécifications en pouces: $d = 2,75 \text{ pouces} \pm 0,5$, $e = 1,375 \text{ pouces} \pm 2$,
 $f = 4.25 \text{ pouces} \pm 0,5$

Centrado de la posición de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Width.
2. Ajuste los valores.
Si la perforación se encuentra demasiado cerca del frente de la máquina: Reduzca el valor de configuración.
Si la perforación se encuentra demasiado cerca de la parte trasera de la máquina: Aumente el valor de configuración.

3. Pulse la tecla de Start para confirmar el valor de configuración.

<Valor de referencia>

Sistema métrico: $d = 80 \text{ mm} \pm 0,5$, $e = 40 \text{ mm} \pm 2$
En pulgadas: $d = 2,75 \text{ pulgada} \pm 0,5$, $e = 1,375 \text{ pulgada} \pm 2$,
 $f = 4.25 \pm 0,5 \text{ pulgada}$

Zentrieren der Stanzlochposition

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Width.
2. Die Werte einstellen.
Falls die Lochung zu nah an der Gerätefront liegt: Den Einstellwert verringern.
Falls die Lochung zu weit weg von der Gerätefront liegt: Den Einstellwert erhöhen.

3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

<Bezugswert>

Metrischer Abstand: $d = 80 \text{ mm} \pm 0,5$; $e = 40 \text{ mm} \pm 2$
Abstand in Zoll: $d = 2,75 \text{ Zoll} \pm 0,5$, $e = 1,375 \text{ Zoll} \pm 2$,
 $f = 4.25 \text{ Zoll} \pm 0,5$

Centrata della posizione dei fori di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Width.
2. Regolare i valori.
Se la posizione dei fori di perforazione è troppo vicina alla parte anteriore della macchina: Diminuire il valore dell'impostazione.
Se la posizione dei fori di perforazione è troppo vicina alla parte posteriore della macchina: Aumentare il valore dell'impostazione.

3. Premere il tasto di Start per confermare il valore dell'impostazione.

<Valore di riferimento>

Specificazione in unità metrica: $d = 80 \text{ mm} \pm 0,5$, $e = 40 \text{ mm} \pm 2$
Specificazione in pollici: $d = 2,75 \text{ pollici} \pm 0,5$, $e = 1,375 \text{ pollici} \pm 2$,
 $f = 4.25 \text{ pollici} \pm 0,5$

打孔位置中心调节

1. 设置维护模式 U246, 选择 Finisher、Punch Width。
2. 调整设定值。
打孔位置向机器前部偏移时: 调低设定值。
打孔位置向机器后部偏移时: 调高设定值。

3. 按 Start 键, 以确定设定值。

<基准值>

公制规格: $d=80\text{mm} \pm 0.5$ 、 $e=40\text{mm} \pm 2$
英制规格: $d=2.75\text{inch} \pm 0.5$ 、 $e=1.375\text{inch} \pm 2$ 、 $f=4.25\text{inch} \pm 0.5$

펀치위치 센터조정

1. 메인터넌스 모드 U246 를 세트하고 Finisher, Punch Width 를 선택합니다.
2. 설정치를 조정합니다.
펀치구멍이 기기 앞측으로 벗어난 경우: 설정치를 내립니다.
펀치구멍의 위치가 기기 뒷측으로 벗어난 경우: 설정치를 높입니다.

3. 시작키를 누르고 설정치를 확인합니다.

<기준치>

센치 사양: $d=80\text{mm} \pm 0.5$, $e=40\text{mm} \pm 2$
인치 사양: $d=2.75\text{inch} \pm 0.5$, $e=1.375\text{inch} \pm 2$, $f=4.25\text{inch} \pm 0.5$

パンチ位置センター調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Width を選択する。
2. 設定値を調整する。
パンチ穴の位置が機械前側にずれている場合: 設定値を下げる。
パンチ穴の位置が機械後側にずれている場合: 設定値を上げる。

3. スタートキーを押し、設定値を確定する。

<基準値>

センチ仕様: $d=80\text{mm} \pm 0.5$ 、 $e=40\text{mm} \pm 2$
インチ仕様: $d=2.75\text{inch} \pm 0.5$ 、 $e=1.375\text{inch} \pm 2$ 、 $f=4.25\text{inch} \pm 0.5$

NOTICE

This accessory is for use only with the following Applicant's Listed Machine.
Refer to the supplied guide to install the accessory in the field.
Machine: DF-770, DF-790

AVIS

Cet accessoire est utilisable uniquement avec le copieur figurant dans la liste du demandeur suivant.
Se reporter au guide fourni pour installer l'accessoire dans le champ.
Modèle: DF-770, DF-790

AVISO

Este accesorio es sólo para usar en las siguientes fotocopiadoras de la lista de solicitantes.
Consulte las instrucciones para la instalación de accesorios en el lugar del cliente.
Modelo: DF-770, DF-790

HINWEIS

Dieses Zubehör ist nur für den Einsatz mit der folgenden Antragstellerlisten-Kopiermaschine vorgesehen.
Installieren Sie das Zubehör gemäß der mitgelieferten Anleitung im Feld.
Modell: DF-770, DF-790

NOTIFICA

Questo accessorio deve essere usato solo con le seguenti fotocopiatrici nella lista dell'applicante.
Consultare la guida fornita in dotazione per il montaggio in campo dell'accessorio.
Modello: DF-770, DF-790

注意

本产品适用于以下选购件。
安装时，请参照附带的说明书。
式样：DF-770, DF-790

주의

본 제품은 이하의 기종에 적용됩니다.
설치할 때에는 동봉된 안내문을 참조해 주십시오.
기종: DF-770, DF-790

注意

本製品は、以下の機種に適用します。
設置する際は、同梱の手順書を参照してください。
機種: DF-770, DF-790

INSTALLATION GUIDE FOR FAX SYSTEM

English

To install the FAX circuit board, see page 1. To install the FAX circuit board as Dual FAX, see page 17.

References to medium-speed MFPs in this document denote 30/30, 35/35, 45/45 and 55/50 ppm color machines, and 35, 45 and 55 ppm monochrome machines. References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines. (The generic procedure figures in this document show medium-speed MFPs.)

If the finisher is already installed, remove the finisher before installing FAX System(V).

Français

Pour installer la carte à circuits FAX, se reporter à la page 1. Pour installer la carte à circuits FAX comme FAX double, se reporter à la page 17.

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 30/30, 35/35, 45/45 et 55/50 ppm et aux machines monochromes 35, 45 et 55 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm. (Dans ce document, les chiffres des processus génériques renvoient aux MPF à vitesse moyenne.)

Si le retoucheur est déjà en place, le déposer avant de monter le FAX System(V).

Español

Para instalar la tarjeta de circuitos de FAX, vea la página 1. Para instalar la tarjeta de circuitos de FAX en el FAX dual, vea la página 17.

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 30/30, 35/35, 45/45 y 55/50 ppm y a las máquinas monocromáticas de 35, 45 y 55 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm. (Las ilustraciones de procedimientos genéricos de este documento muestran las MFP de velocidad media.)

Si el finalizador ya se encuentra instalado, desmóntelo antes de instalar el FAX System(V).

Deutsch

Angaben zur Installation der FAX-Leiterplatte finden Sie auf Seite 1. Angaben zur Installation der FAX-Leiterplatte als Dual FAX finden Sie auf Seite 17.

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 30/30, 35/35, 45/45 und 55/50 ppm Vollfarbkopierer sowie für die 35, 45 und 55 ppm Monochrommaschinen.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbkopierer sowie für die 65 und 80 ppm Monochrommaschinen. (Die Abbildungen der allgemeinen Prozeduren zeigen MFP der mittleren Leistungsklasse.)

Falls der Finisher schon installiert ist, müssen Sie ihn ausbauen, bevor Sie das FAX System(V) installieren.

Italiano

Per installare la scheda a circuiti FAX, vedere pagina 1. Per installare la scheda a circuiti FAX come Dual FAX, vedere pagina 17.

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 30/30, 35/35, 45/45 e 55/50 ppm, e le macchine monocromatiche 35, 45 e 55 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm. (Le figure della procedura generica riportate in questo documento mostrano le MFP a velocità media.)

Se la finitrice è già installata, rimuovere la finitrice prima di installare il FAX System(V).

简体中文

安装传真组件时...从第 1 页开始 安装多插口组件时...从第 17 页开始

本文中的中速 MFP 代表彩色 30/30 页机型、35/35 页机型、45/45 页机型、55/50 页机型、黑白 35 页机型、45 页机型、55 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。(本文中的通用步骤的插图为中速 MFP。)

已安装装订器时,必须先拆下装订器再安装 FAX System(V)。

한국어

팩스 시스템을 설치하는 경우...1 페이지에서 시작합니다.

멀티포트를 설치하는 경우...17 페이지에서 시작합니다.

본문 중 중속 MFP 는 컬러 30/30 매기, 35/35 매기, 45/45 매기, 55/50 매기, 흑백 35 매기, 45 매기, 55 매기를 나타냅니다.

본문 중 고속 MFP 는 컬러 65/65 매기, 75/70 매기, 흑백 65 매기, 80 매기를 나타냅니다. (본문 중 공통 순서 일러스트는 중속 MFP 로 한다.)

피니셔가 이미 장착되어 있는 경우에는 피니셔를 제거하고 FAX System(V) 를 설치할 것.

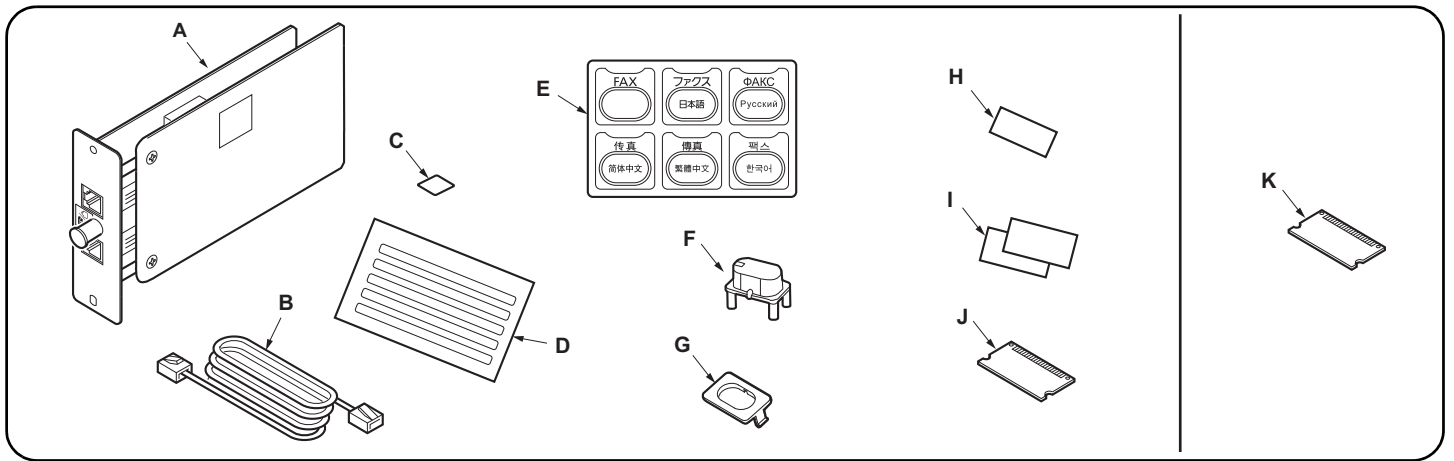
日本語

ファクスシステムを設置する場合...1 ページから始める。 マルチポートを設置する場合...17 ページから始める。

本文の中速 MFP はカラー機の 30/30 枚機、35/35 枚機、45/45 枚機、55/50 枚機、モノクロ機の 35 枚機、45 枚機、55 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。(本文中の共通手順イラストは中速 MFP とする。)

フィニッシャーがすでに装着されている場合は、フィニッシャーを取り外してから、FAX System(V) を取り付けること。



Supplied parts

A. FAX circuit board	1
B. Modular connector cable (120 V/Australian model only) PJJWC0016Z (UL Listed.HUAN HSIN Type TL:120 V only)1	
C. Terminal seal	1

D. Alphabet label	1
E. FAX operation section label	1
F. FAX key	1
G. FAX key cover	1
H. PTT label (110V model only)	1
I. Approval label (Australian/New Zealand models only)	2

J. Memory DIMM (16 MB)	1
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Option

K. Memory DIMM (128 MB)	1
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When installing the Dual FAX, (A), (B), (C) are required.

Pièces fournies

A. Carte à circuits FAX	1
B. Câble du connecteur modulaire (modèles pour l'Australie/120 V seulement)	1
C. Joint de borne	1
D. Etiquette de l'alphabet	1

E. Etiquette de la section de fonctionnement FAX	1
F. Touche FAX	1
G. Couvercle de touche FAX	1
J. Mémoire DIMM (16 MB)	1

Option

K. Mémoire DIMM (128 MB)	1
---------------------------------------	---

(H) et (I) ne sont pas fournis.
L'installation du Dual FAX requiert l'installation
des pièces (A), (B), (C).

Partes suministradas

A. Tarjeta de circuitos de fax	1
B. Cable conector modular (sólo para modelos de 120 V/Australianos)	1
C. Sello del terminal	1
D. Etiqueta de alfabeto	1

E. Etiqueta de la sección de funcionamiento de FAX	1
F. Tecla de FAX	1
G. Cubierta de la tecla de FAX	1
J. Memoria DIMM (16 MB)	1

Opción

K. Memoria DIMM (128 MB)	1
---------------------------------------	---

(H) y (I) no se suministran.
Cuando instale el fax Dual se necesitan (A), (B),
(C).

Gelieferte Teile

A. FAX-Leiterplatte	1
C. Verschlusskappe	1
D. Alphetaufkleber	1
E. Aufkleber für FAX-Bedienungsabschnitt	1
F. FAX-Taste	1
G. FAX-Tastenabdeckung	1

J. Speicher-DIMM (16 MB)	1
---------------------------------------	---

Option

K. Speicher-DIMM (128 MB)	1
--	---

(B), (H) und (I) liegen nicht bei.
Für die Installation von Dual FAX sind (A), (C)
erforderlich.

Parti di forniture

A. Scheda a circuiti FAX	1
C. Guarnizione terminale	1
D. Etichetta alfabetica	1
E. Etichetta della sezione funzionamento FAX	1
F. Tasto FAX	1

G. Copertura tasto FAX	1
J. Memoria DIMM (16 MB)	1

Opzioni

K. Memoria DIMM (128 MB)	1
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(B), (H) e (I) non sono in dotazione.
Quando si installa il Dual FAX, sono necessari
(A), (C).

附属品

A. 传真电路板	1
B. 电话线	1
C. 端子密封	1
D. 英文字母标签	1
E. 传真操作部标签	1

F. FAX 键	1
G. FAX 键盖板	1
H. 规格标签	1
J. 内存模组 DIMM (16MB)	1

选购件

K. 内存模组 DIMM (128MB)	1
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(I) 并非附属品。
安装多插口组件时，需要 (A)、(B)、(C)。

동봉품

A. FAX 기관	1
C. 단자씰	1
D. 알파벳 라벨	1
E. FAX 조작부 라벨	1
F. FAX 키	1

G. FAX 키커버	1
J. 메모리 DIMM (16MB)	1

옵션

K. 메모리 DIMM (128MB)	1
----------------------------------	---

(B) (H) (I) 는 동봉되어 있지 않습니다 .
멀티포트 설치 시에는 (A),(C) 가 필요합니다 .

同梱品

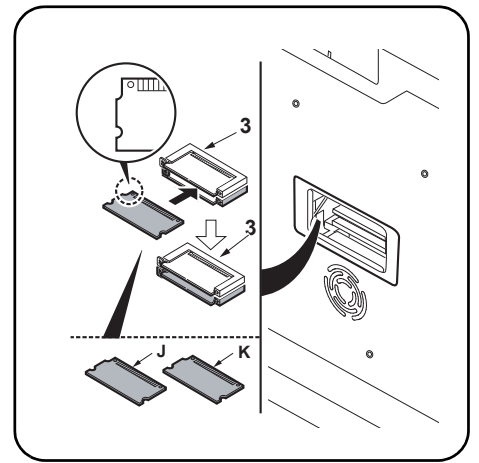
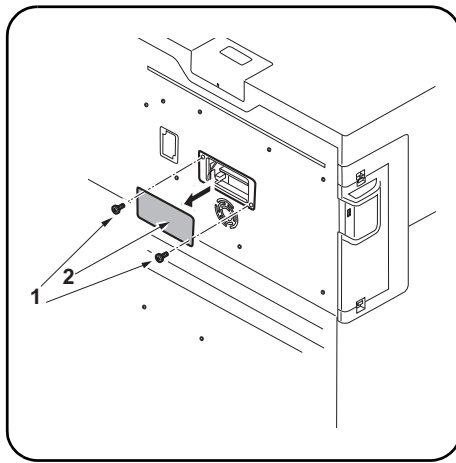
A. FAX 基板	1
B. モジュラーコード	1
C. 端子シール	1
E. FAX 操作部ラベル	1
F. FAX キー	1
G. FAX キーカバー	1

J. メモリー-DIMM(16MB)	1
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オプション

K. メモリー-DIMM(128MB)	1
----------------------------------	---

(D) (H) (I) は、同梱されていない。
マルチポート設置時は (A), (B), (C), が必要と
なる。



Precautions

Be sure to remove any tape and/or cushioning material from supplied parts.
Be sure to turn the MFP switch OFF and unplug the MFP from the power supply before installing the fax system.

Procedure Installing the memory DIMM

1. Remove 2 screws (1), and then remove the cover (2).

2. Install the memory DIMM (J) or the optional memory DIMM (K) into the memory slot (3) on the lower level (FLS).
Install it with the IC side facing down. Insert it in the direction of the arrow until it clicks.

Précautions

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.
Veillez à mettre l'interrupteur principal du MFP hors tension et à débrancher le MFP de la prise secteur avant d'installer le système fax.

Procédure Installation de la mémoire DIMM

1. Déposez les 2 vis (1) puis enlevez le couvercle (2).

2. Installer la mémoire DIMM (J) ou la mémoire DIMM en option (K) dans la fente mémoire (3) se trouvant au niveau inférieur (FLS).
L'installer avec le côté IC en bas. L'insérer dans la direction de la flèche jusqu'au clic.

Precauciones

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.
Asegúrese de apagar el MFP colocando el interruptor principal a OFF y desenchufe el MFP del suministro de red eléctrica antes de instalar el sistema de fax.

Procedimiento Instalación de la memoria DIMM

1. Quite 2 tornillos (1) y, después, desmonte la cubierta (2).

2. Instale la memoria DIMM (J), o la memoria DIMM opcional (K), en la ranura para memoria (3) en el nivel inferior (FLS).
Instálole con el lado IC hacia abajo. Insértela en la dirección que indica la flecha hasta que escuche un clic.

Vorsichtsmaßnahmen

Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.
Schalten Sie den Netzschalter des MFP aus und trennen Sie den MFP vom Netz, bevor Sie das Faxsystem installieren.

Verfahren Installation der DIMM-Speichermodule

1. Entfernen Sie 2 Schrauben (1) und nehmen Sie dann die Abdeckung (2) ab.

2. Setzen Sie das DIMM-Speichermodul (J) oder das optionale DIMM-Speichermodul (K) in die untere Position (FLS) der Speicherbank (3) ein.
Mit der IC-Seite nach unten weisend installieren. Schieben Sie das Modul in Pfeilrichtung, bis es hörbar einrastet.

Precauzioni

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.
Assicurarsi di aver spento l'interruttore dell'MFP e di aver sfilato la spina dell'MFP dalla presa prima di installare il sistema fax.

Procedura Installazione della memoria DIMM

1. Rimuovere 2 viti (1), e quindi rimuovere il coperchio (2).

2. Installare la memoria DIMM (J) o la memoria DIMM opzionale (K) nello slot della memoria (3) al livello inferiore (FLS).
Installare con il lato IC rivolto verso il basso. Inserirli nella direzione della freccia finché non scatta in posizione.

注意事項

如果附属品上带有固定胶带，缓冲材料时务必揭下。
请务必关闭 MFP 的开关并拔下电源插头再安装传真组件。

安装步骤 安装内存模组 DIMM

1. 取下 2 个螺丝 (1)，然后取下盖板 (2)。

2. 将内存模组 DIMM (J) 或选购件内存模组 DIMM (K) 安装至下层 (FLS) 的内存插槽 (3)。安装时，将 IC 侧正面朝下。沿箭头方向将其插入到底直至发出喀嗒声。

주의사항

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.
팩스 시스템을 설치하는 경우에는 MFP 본체의 주 전원 스위치를 OFF 로 하고 전원 플러그를 뺀 다음 작업을 합니다.

설치순서 메모리 DIMM 설치

1. 나사 (1) 2 개를 제거하고 커버 (2) 를 제거합니다.

2. 메모리 DIMM (J) 또는 옵션 메모리 DIMM (K) 를 하단 (FLS) 의 메모리 슬롯 (3) 에 장착합니다.
IC 면을 밑으로 할 것.
딸깍하고 소리가 날 때까지 화살표 방향으로 삽입합니다.

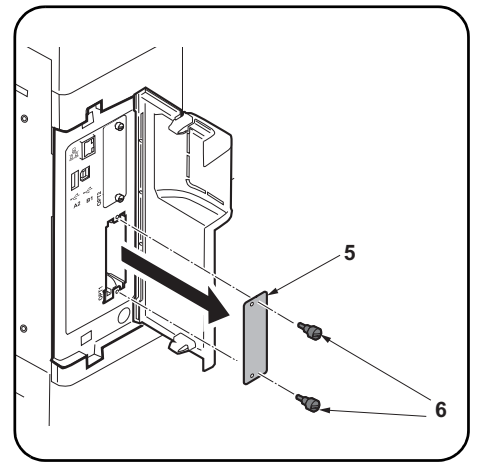
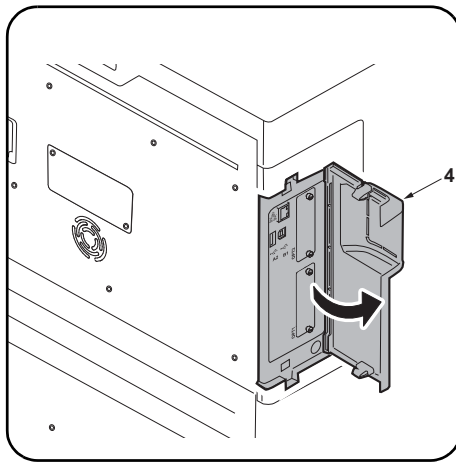
注意事項

同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。
ファクスシステムを設置する場合は、MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業をおこなう。

取付手順 メモリーDIMMの取り付け

1. ビス (1) 2 本を外し、カバー (2) を取り外す。

2. メモリーDIMM (J) または、オプションのメモリーDIMM (K) を下段 (FLS) のメモリースロット (3) に取り付ける。
IC 面を下向きに取り付けること。
カチッと音がするまで矢印方向に挿入する。



3. Replace the cover (2) using the 2 screws (1).

**Removing the slot cover
(medium-speed MFPs)**
4. Open the cover (4).

5. Remove 2 screws (6) and then remove the OPT1 slot cover (5).
* Do not use OPT2.

To install the FAX circuit board as Dual FAX, see page 17.

3. Reposez le couvercle (2) à l'aide des 2 vis (1).

**Dépose du couvercle de la fente
(MFP à vitesse moyenne)**
4. Ouvrir le couvercle (4).

5. Déposer les 2 vis (6) puis le couvercle de la fente OPT1 (5).
* Ne pas utiliser OPT2.

Pour installer la carte à circuits FAX comme FAX double, se reporter à la page 17.

3. Vuelva a colocar la cubierta (2) utilizando los 2 tornillos (1).

**Desmontaje de la cubierta de la ranura
(MFP de velocidad media)**
4. Abra la cubierta (4).

5. Quite 2 tornillos (6) y, después, quite la cubierta de la ranura OPT1 (5).
* No utilice OPT2.

Para instalar la tarjeta de circuitos de FAX en el FAX dual, vea la página 17.

3. Bringen Sie die Abdeckung (2) wieder mit den 2 Schrauben (1) an.

**Entfernen der Einschubabdeckung
(MFP der mittleren Leistungsklasse)**
4. Die Abdeckung (4) öffnen.

5. 2 Schrauben (6) entfernen und dann die Abdeckung (5) des Einschubs OPT1 entfernen.
* OPT2 nicht verwenden.

Angaben zur Installation der FAX-Leiterplatte als Dual FAX finden Sie auf Seite 17.

3. Ricollocare il coperchio (2) utilizzando le 2 viti (1).

**Rimozione del coperchio vano
(MFP a velocità media)**
4. Aprire il coperchio (4).

5. Rimuovere le 2 viti (6) e quindi rimuovere il coperchio (5) del vano OPT1.
* Non utilizzare OPT2.

Per installare la scheda a circuiti FAX come Dual FAX, vedere pagina 17.

3. 使用 2 个螺丝 (1) 重新安装盖板 (2)。

拆下插槽盖板 (中速 MFP 时)
4. 打开盖板 (4)。

5. 拆除 2 颗螺丝 (6), 拆下 OPT1 的插槽盖板 (5)。
※ 不使用 OPT2。

安装多插口组件时 … 从第 17 页开始

3. 나사 (1) 2 개로 커버 (2) 를 원래대로 장착합니다.

슬롯커버 제거 (중속 MFP 의 경우)
4. 커버 (4) 를 엽니다.

5. 나사 (6) 2 개를 제거하고 OPT1 의 슬롯커버 (5) 를 제거합니다.
※ OPT2 는 사용하지 말 것.

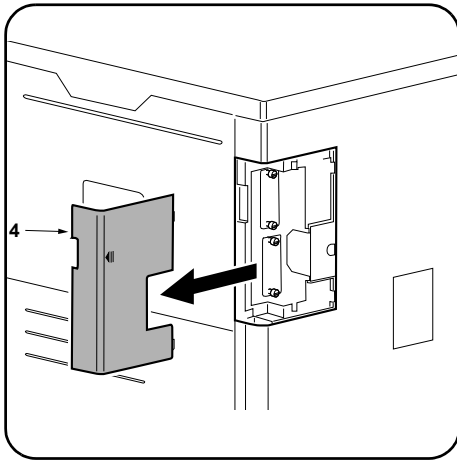
멀티포트 를 설치하는 경우 … 17 페이지에서 시작합니다.

3. ビス (1) 2 本で、カバー (2) を元通り取り付ける。

スロットカバーの取り外し (中速 MFP の場合)
4. カバー (4) を開ける。

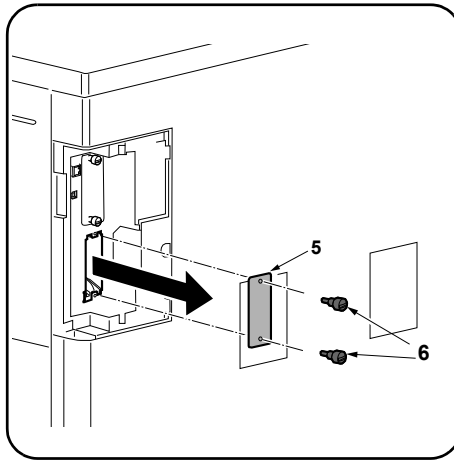
5. ビス (6) 2 本を外し、OPT1 のスロットカバー (5) を取り外す。
※ OPT2 は使用しないこと。

マルチポートを設置する場合 … 17 ページから始める。



Removing the slot cover (For high-speed MFPs and when the finisher is installed)

4.Remove the cover (4).



5.Remove 2 screws (6) and then remove the OPT1 slot cover (5).

* Do not use OPT2.

To install the FAX circuit board as Dual FAX, see page 17.

Dépose du couvercle de la fente (Pour les MFP à grande vitesse quand le retoucheur est installé)

4.Déposer le couvercle (4).

5.Déposer les 2 vis (6) puis le couvercle de la fente OPT1 (5).

* Ne pas utiliser OPT2.

Pour installer la carte à circuits FAX comme FAX double, se reporter à la page 17.

Desmontaje de la cubierta de la ranura (Para las MFP de alta velocidad y cuando el finalizador está instalado)

4.Quite la cubierta (4).

5.Quite 2 tornillos (6) y, después, quite la cubierta de la ranura OPT1 (5).

* No utilice OPT2.

Para instalar la tarjeta de circuitos de FAX en el FAX dual, vea la página 17.

Entfernen der Einschubabdeckung (Für MFP der Hochleistungsklasse und wenn der Finisher installiert ist)

4.Die Abdeckung (4) entfernen.

5.2 Schrauben (6) entfernen und dann die Abdeckung (5) des Einschubs OPT1 entfernen.

* OPT2 nicht verwenden.

Angaben zur Installation der FAX-Leiterplatte als Dual FAX finden Sie auf Seite 17.

Rimozione del coperchio vano (Per MFP a velocità alta e quando la finitrice è installata)

4.Rimuovere il coperchio (4).

5.Rimuovere le 2 viti (6) e quindi rimuovere il coperchio (5) del vano OPT1.

* Non utilizzare OPT2.

Per installare la scheda a circuiti FAX come Dual FAX, vedere pagina 17.

**拆下插槽盖板
(高速 MFP 且安装装订器时)**

4. 拆下盖板 (4)。

5. 拆除 2 颗螺丝 (6)，拆下 OPT1 的插槽盖板 (5)。

※ 不使用 OPT2。

安装多插口组件时 … 从第 17 页开始

**슬롯커버 제거
(고속 MFP 및 피니셔 장착 시의 경우)**

4. 커버 (4) 를 제거합니다 .

5. 나사 (6) 2 개를 제거하고 OPT1 의 슬롯커버 (5) 를 제거합니다 .

※OPT2 는 사용하지 말 것 .

멀티포트를 설치하는 경우 …17 페이지에서 시작합니다 .

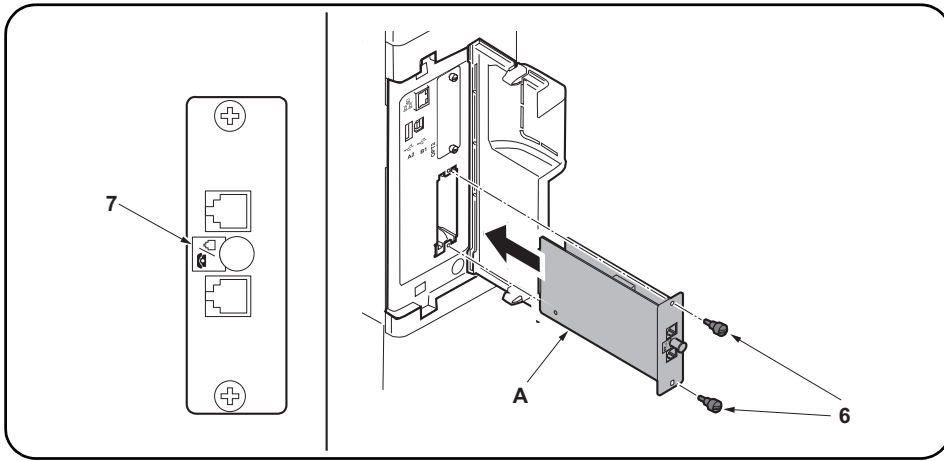
**スロットカバーの取り外し
(高速 MFP およびフィニッシャー装着時の場合)**

4. カバー (4) を取り外す。

5. ビス (6) 2 本を外し、OPT1 のスロットカバー (5) を取り外す。

※OPT2 は使用しないこと。

マルチポートを設置する場合 …17 ページから始める。



Install the FAX circuit board.

6. Insert the FAX circuit board (A) along the groove in OPT1 and secure the board with two screws (6) that have been removed in step 5.

Do not directly touch the FAX circuit board (A) terminal. Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).

Direct the label (7) on to the FAX circuit board (A) as indicated in the illustration and insert the board along the groove.

Installer la carte à circuits FAX.

6. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT1 et la fixer à l'aide des deux vis (6) retirées à l'étape 5.

Ne pas toucher directement la borne de la carte à circuits FAX (A). Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A). Orienter l'étiquette (7) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de fax.

6. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT1 y asegúrela con los dos tornillos (6) que ha quitado en el paso 5.

No toque directamente el terminal de la tarjeta de circuitos del fax (A). Sujete las partes superior e inferior de la tarjeta de circuitos de fax o la saliente de la tarjeta para insertar la tarjeta de circuitos de fax (A). Oriente la etiqueta (7) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

6. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT1 einsetzen und Leiterplatte mit den in Schritt 5 ausgebauten Schrauben (6) befestigen.

Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern. Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.

Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (7) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

6. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT1 e fissare la scheda con le due viti (6) rimosse nell'operazione 5.

Non toccare direttamente il terminale della scheda a circuiti FAX (A). Per inserire il circuito FAX (A), tenere l'estremità superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX. Orientare l'etichetta (7) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

6. 沿着 OPT1 的沟槽插入传真电路板 (A) 并用步骤 5 中拆下的两颗螺钉 (6) 固定电路板。

请勿直接接触传真电路板 (A) 端子。

按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。

将传真电路板 (A) 上的标签 (7) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

6. OPT1 구에 붙여 FAX 기판 (A) 를 삽입하고 순서 5 에서 제거한 나사 (6) 2 개로 고정합니다 .

FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것 .

FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것 .

FAX 기판 (A) 을 붙여진 라벨 (7) 그림 표기 방향대로 되도록 삽입할 것 .

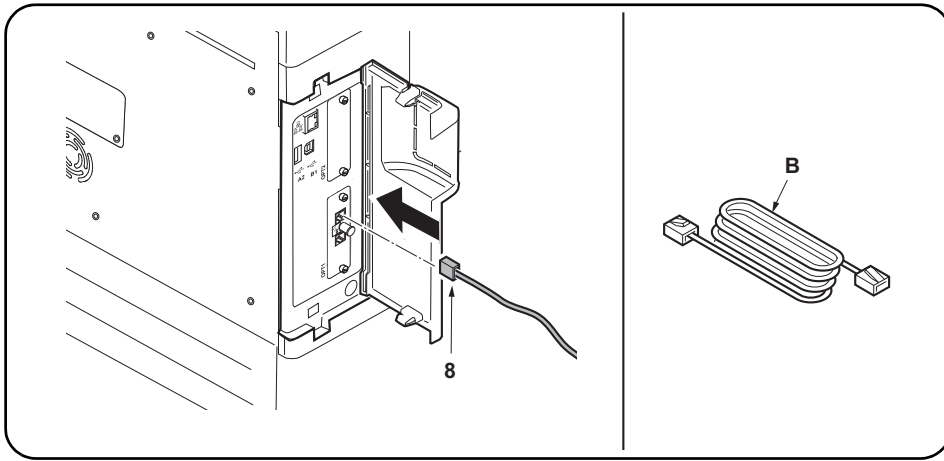
FAX 基板の取り付け

6. OPT1 の溝に沿って FAX 基板 (A) を挿入し、手順 5 で外したビス (6) 2 本で固定する。

FAX 基板 (A) の端子に直接触れないこと。

FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。

FAX 基板 (A) は、貼り付けられているラベル (7) が図に示す方向になるように、挿入すること。



Connect the MFP to the telephone line.

7. Plug the modular connector cable (8) into the line terminal, and then connect the other end to the telephone line.

For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

7. Brancher le câble du connecteur modulaire (8) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.

Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

7. Enchufe el cable del conector modular (8) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.

Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

7. Telefonmodulkabel (8) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.

Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

7. Inserire il cavo connettore modulare (8) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.

Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

7. 将模块接插件电缆 (8) 插入电话线端子, 然后将另一端与电话线连接。

对于 100V/120V/ 澳大利亚或中国机型, 请使用随附的模块接插件电缆 (B)。

전화회선과 접속

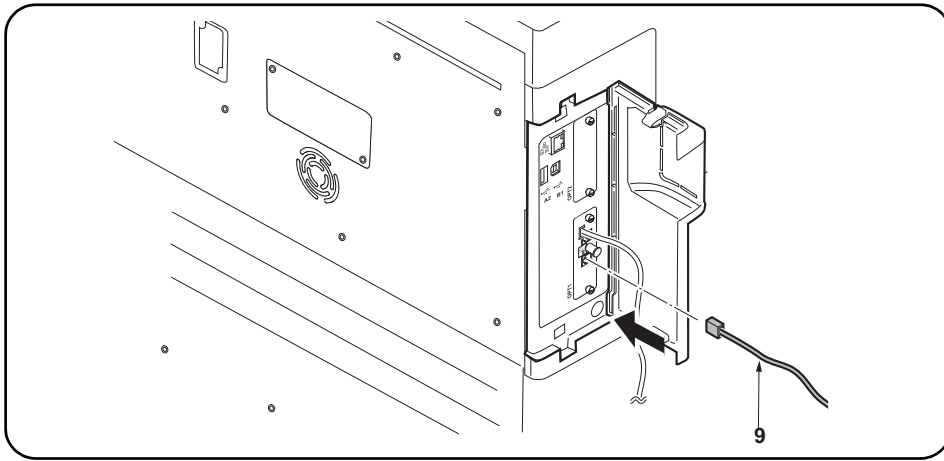
7. 모듈코드 (8) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.

100V/120V/ 오스트레일리아 / 중국 사양은 부속 모듈코드 (B) 를 사용할 것 .

電話回線との接続

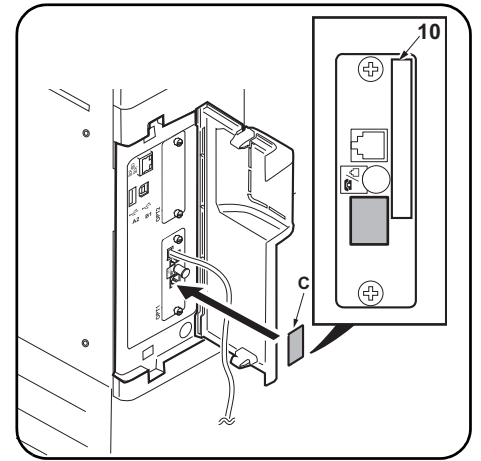
7. モジュラーコード (8) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。

100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。



Connect the MFP to the separate phone (except for New Zealand model).

8. Plug the modular connector cable (9) into the telephone terminal, and then connect the other end to the separate phone.



If you don't connect the MFP to the separate phone, wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C) upon the customer's request. On 120 V models, be sure that it is not attached over the top of the approval label (10).

Connecter le MFP au téléphone séparé.

8. Brancher le câble du connecteur modulaire (9) à la borne du téléphone, puis connecter l'autre extrémité au téléphone séparé.

Si le MFP n'est pas connecté au téléphone séparé à la demande du client, nettoyer la surface de la borne de téléphone avec de l'alcool et apposer le joint de borne (C). Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (10).

Conecte el MFP al teléfono separado.

8. Enchufe el cable del conector modular (9) en el terminal del teléfono y, a continuación, conecte el otro extremo al teléfono separado.

Si no conecta el MFP a un teléfono separado, limpie la superficie del terminal del teléfono con alcohol y pegue el sello del terminal (C), a solicitud del cliente. En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (10).

Anschließen des MFP an das separate Telefon.

8. Das Telefonmodulkabel (9) in die Telefonbuchse einstecken und das andere Ende an das separate Telefon anschließen.

Wenn der MFP nicht an das separate Telefon angeschlossen wird, die Oberfläche der Telefonbuchse mit Alkohol abwischen und Verschlusskappe (C) einsetzen, falls vom Kunden gewünscht. Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (10) verdeckt.

Collegamento dell'MFP al telefono separato.

8. Inserire il cavo connettore modulare (9) nel terminale del telefono, e quindi collegare l'altro terminale al telefono separato.

Nel caso in cui non si colleghi l'MFP al telefono separato, pulire la superficie del terminale del telefono con dell'alcol e applicare la guarnizione terminale (C) a richiesta del cliente. Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (10).

将 MFP 连接到其它电话

8. 将模块接插件电缆 (9) 插入电话端子, 然后将另一端与其它电话连接。

如果您没有将 MFP 连接至其他电话, 请用酒精擦拭电话端子表面, 并按照客户要求粘上端子密封 (C)。120V 规格在粘贴时注意不要与认可标签 (10) 重叠。

외부 전화와 접속

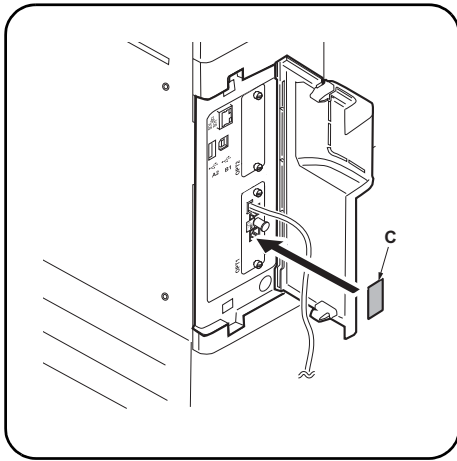
8. 모듈코드 (9) 를 TEL 단자에 꼽습니다. 다른 한 쪽의 플러그는 외부 전화와 접속합니다.

외부 전화와 접속하지 않는 경우 고객의 요청에 따라 TEL 단자 주위를 알코올 청소하고 단자씰 (C) 을 붙입니다. 120V 사양은 허가 라벨 (10) 에 겹치지 않도록 붙일 것.

外付け電話との接続

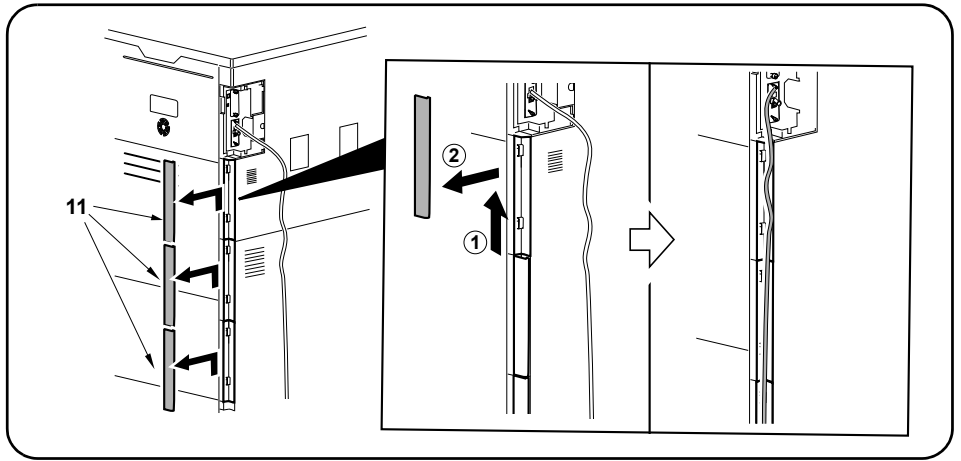
8. モジュラーコード (9) を TEL 端子に差し込む。もう片方のプラグは、外付け電話と接続する。

外付け電話と接続しない場合、お客様の要望により、TEL 端子周囲をアルコール清掃し、端子シール (C) を貼り付ける。120V 仕様は認可ラベル (10) に重ならないように、貼りつけること。



Seal the terminal (for New Zealand model).

9. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).
Perform this procedure for New Zealand model only.



Wiring the modular connector cable (High-speed MFPs only)

10. Remove the covers (11) and run the modular connector cable as shown in the figure.

11. Reinstall the covers (11).

Fermer hermétiquement la borne (modèle pour la Nouvelle-Zélande).

9. Effectuer cette procédure pour le modèle pour la Nouvelle-Zélande seulement.

Câblage du câble à connecteur modulaire (MFP à grande vitesse uniquement)

10. Déposer les couvercles (11) et implanter le câble à connecteur modulaire comme illustré par la figure.

11. Reposer les couvercles (11).

Selle el terminal (para el modelo Nuevo Zelandés).

9. Realice este procedimiento sólo para el modelo Nuevo Zelandés.

Tendido del cable conector modular (Solo para las MFP de alta velocidad)

10. Quite las cubiertas (11) y tienda el cable conector modular como se muestra en la ilustración.

11. Vuelva a instalar las cubiertas (11).

Versiegeln der Anschlussbuchse (für Neuseeland-Modell).

9. Dieses Verfahren nur für das Neuseeland-Modell anwenden.

Verlegung des Modularsteckerkabels (Nur MFP der Hochleistungs-klasse)

10. Die Abdeckungen (11) entfernen und das Modularsteckerkabel gemäß der Abbildung verlegen.

11. Die Abdeckungen (11) wieder anbringen.

Sigillare il terminale (per il modello Nuova Zelanda).

9. Eseguire questa procedura solo per il modello Nuova Zelanda.

Cablaggio del cavo connettore modulare (Solo per MFP a velocità alta)

10. Rimuovere i coperchi (11) e far passare il cavo connettore modulare come indicato nella figura.

11. Reinstallare i coperchi (11).

安装端子密封 (仅适用于新西兰型号)

9. 该操作步骤仅适用于新西兰型号。

电话线的配线 (仅限高速 MFP 时)

10. 拆下盖板 (11)，将电话线如图所示穿过。

11. 安装盖板 (11)。

단자씰의 부착 (뉴질랜드 사양만)

9. TEL 단자 주위를 알코올청소하고 단자씰 (C) 을 붙입니다.

모듈코드의 배선 (고속 MFP 의 경우만)

10. 커버 (11) 를 떼어 내고 모듈코드를 그림과 같이 지나가게 합니다.

11. 커버 (11) 을 장착합니다.

端子シールの貼り付け (ニュージーランド仕様のみ)

9. この手順はニュージーランド仕様のみおこなう。

モジュラーコードの配線 (高速 MFP の場合のみ)

10. カバー (11) を取り外し、モジュラーコードを図のように通す。

11. カバー (11) を取り付ける。

(Medium-speed MFPs)

12. Close the cover (4).

(For high-speed MFPs and when the finisher is installed)

12. Reinstall the cover (4).

(MFP à vitesse moyenne)

12. Fermer le couvercle (4).

(Pour les MFP à grande vitesse quand le retoucheur est installé)

12. Reposer le couvercle (4).

(MFP de velocidad media)

12. Cierre la cubierta (4).

(Para las MFP de alta velocidad y cuando el finalizador está instalado)

12. Vuelva a instalar la cubierta (4).

(MFP der mittleren Leistungsklasse)

12. Die Abdeckung (4) schließen.

(Für MFP der Hochleistungsklasse und wenn der Finisher installiert ist)

12. Die Abdeckung (4) wieder anbringen.

(Per MFP a velocità media)

12. Chiudere il coperchio (4).

(Per MFP a velocità alta e quando la finitrice è installata)

12. Reinstallare il coperchio (4).

(中速 MFP 時)

12. 关闭盖板 (4)。

(高速 MFP 且 安装装订器时)

12. 安装盖板 (4)。

(중속 MFP 의 경우)

12. 커버 (4) 를 닫습니다 .

(고속 MFP 및 피니셔 장착 시의 경우)

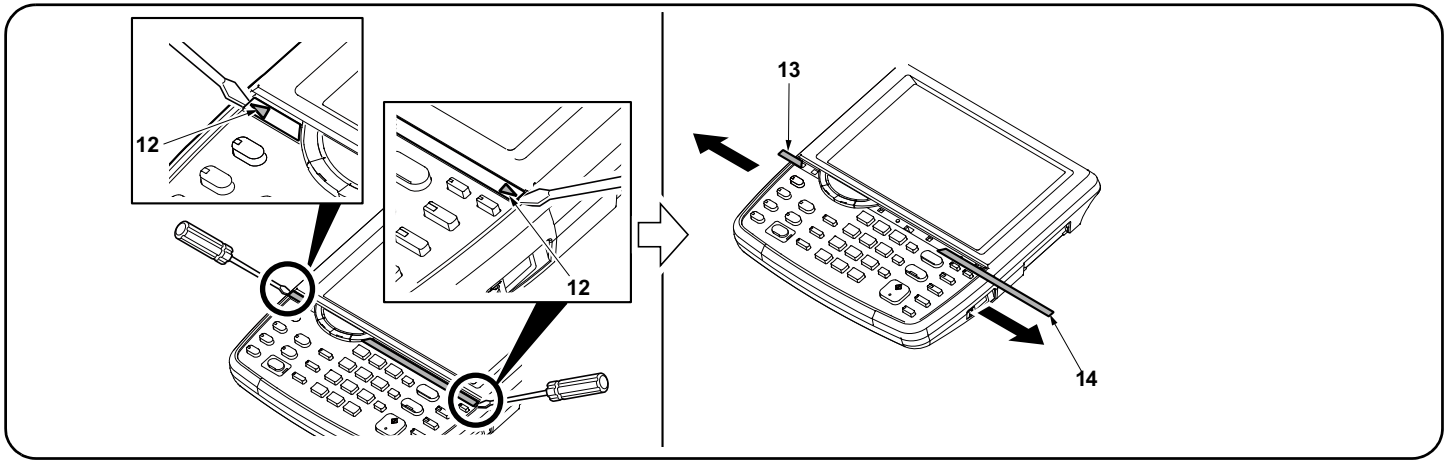
12. 커버 (4) 를 장착합니다 .

(中速 MFP の場合)

12. カバー(4)を閉める。

(高速 MFP およびフィニッシャー装着時の場合)

12. カバー(4)を取り付ける。



Installing the FAX key

13. Insert a flat-head screwdriver at the tip indicated by the arrows (12) as shown on the left, and slide the operation panel covers (13) (14) to remove them.

Installation de la touche FAX

13. Insérer un tournevis à lame à l'endroit repéré par les flèches (12) comme illustré ci-contre à gauche et faire glisser les couvercles du panneau de commande (13) (14) pour les déposer.

Instalación de la tecla de FAX

13. Inserte un destornillador de pala plana en la punta que indican las flechas (12) como se muestra a la izquierda y deslice las cubiertas del panel de trabajo (13) (14) para quitarlas.

Installieren der FAX-Taste

13. Einen flachen Schraubendreher an der links mit Pfeilen (12) bezeichneten Spitze einschieben und die Bedienfeldabdeckungen (13) (14) verschieben, um sie dann abzunehmen.

Installazione del tasto FAX

13. Inserire un cacciavite a testa piana nel punto indicato dalla freccia (12) come mostrato sulla sinistra, e slittare i coperchi (13) (14) del pannello operativo per rimuoverli.

安装 FAX 键

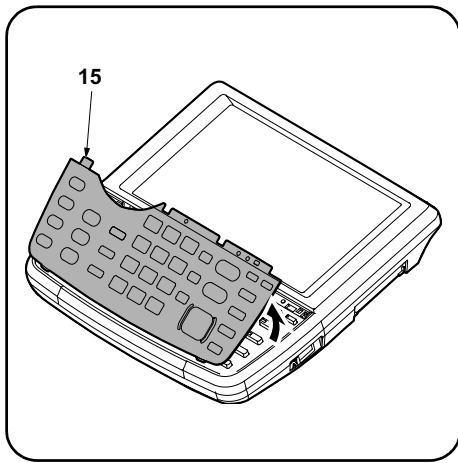
13. 如图所示, 在▲箭头(12)前方插入一字螺丝刀, 滑动并取下操作面板的盖板(13)(14)。

FAX 키 부착

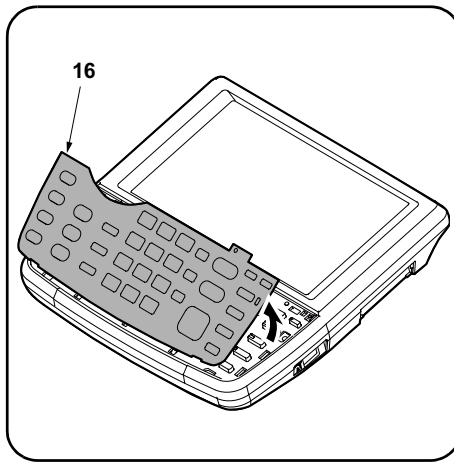
13. 그림과 같이 ▲ 표시(12) 앞에マイナス 드라이버를 삽입해 조작 패널의 커버(13)(14)를 미끄러트리면서 떼어 냅니다.

FAX 키의取り付け

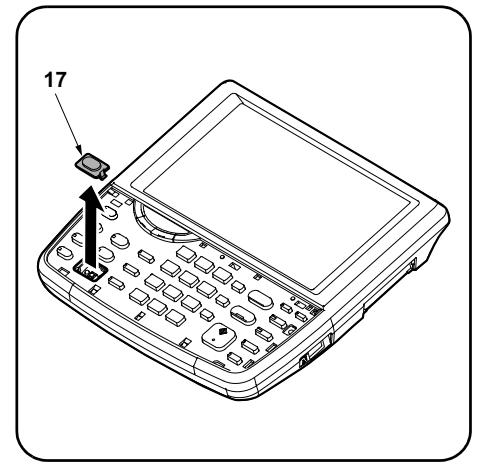
13. 図のように▲印(12)の先にマイナスドライバーを挿入し、操作パネルのカバー(13)(14)をスライドさせて取り外す。



14. Remove the clear panel (15).



15. Remove the operation panel sheet (16).



16. Remove the FAX key section cover (17).

14. Déposer le panneau transparent (15).

15. Déposer la tôle du panneau de commande (16).

16. Déposer le couvercle de la partie touche FAX (17).

14. Quite el panel transparente (15).

15. Quite la hoja del panel de trabajo (16).

16. Quite la cubierta de la sección de la tecla de FAX (17).

14. Die durchsichtige Platte (15) entfernen.

15. Die Bedienfeldfolie (16) entfernen.

16. Die Abdeckung (17) des FAX-Tastenbereichs entfernen.

14. Rimuovere il pannello trasparente (15).

15. Rimuovere il foglio (16) del pannello operativo.

16. Rimuovere la copertura (17) della sezione tasto FAX.

14. 拆下透明面板(15)。

15. 拆下操作面板页(16)。

16. 拆下 FAX 键部分的盖板(17)。

14. 클리어 판넬 (15) 을 제거합니다 .

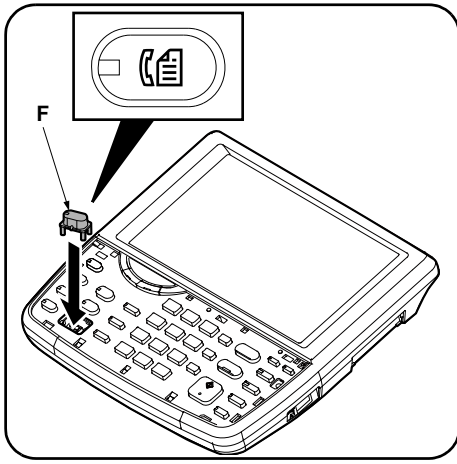
15. 조작판넬시트 (16) 를 제거합니다 .

16. FAX 키 부분의 커버 (17) 를 제거합니다 .

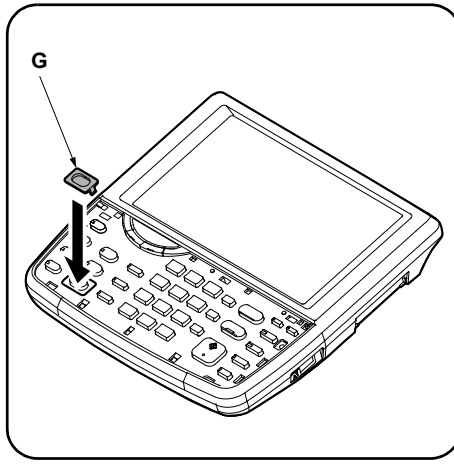
14. クリアパネル(15)を取り外す。

15. 操作パネルシート(16)を取り外す。

16. FAX キー部分のカバー(17)を取り外す。



17. Install the FAX key (F).



18. Install the FAX key cover (G).

17. Installer la touche FAX (F).

18. Installer le couvercle de la touche FAX (G).

17. Instale la tecla de FAX (F).

18. Instale la cubierta de la tecla de FAX (G).

17. Die FAX-Taste (F) anbringen.

18. Die Abdeckung (G) der FAX-Taste anbringen.

17. Installare il tasto FAX (F).

18. Installare la copertura (G) del tasto FAX.

17. 安装 FAX 键 (F)。

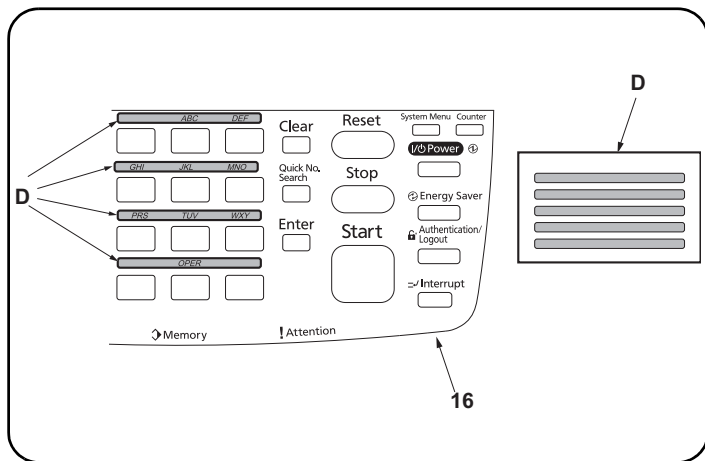
18. 安装 FAX 键盖板 (G)。

17. FAX 키 (F) 를 부착합니다 .

18. FAX 키커버 (G) 를 부착합니다 .

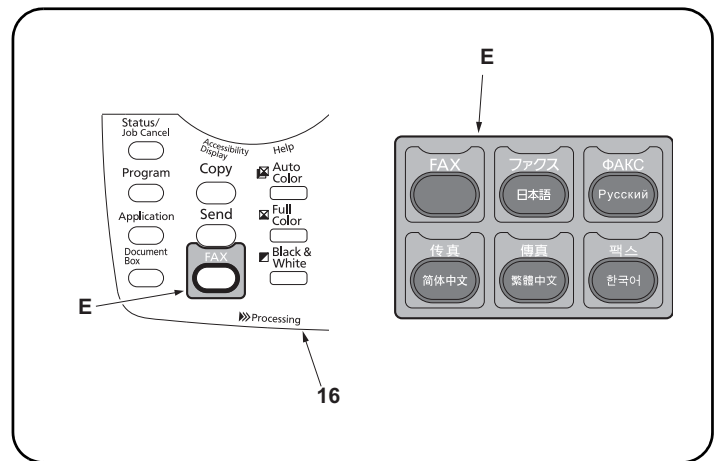
17. FAX キー (F) を取り付ける。

18. FAX キーカバー (G) を取り付ける。



Attach the alphabet labels (excluding 100 V models).

19. Wipe the area above the numeric keys on the operation panel sheet (16) with alcohol and attach the alphabet labels (D).
In Asia and Oceania, use PQRS TUV WXYZ label, and do not use PRS TUV WXY and OPER labels.



Attach the FAX operation section label.

20. Wipe the label surface shown in the figure of the operation panel sheet (16) with alcohol and attach the FAX operation section label (E) of the corresponding language.

Apposer les étiquettes de l'alphabet (Sauf sur les modèles 100 V).

19. Nettoyer à l'alcool la surface au-dessus des touches numériques sur la tôle du panneau de commande (16) et apposer les étiquettes alphabétiques (D).
En Asie et Océanie, utiliser l'étiquette PQRS TUV WXYZ et pas les étiquettes PRS TUV WXY et OPER.

Apposer l'étiquette de la section de fonctionnement FAX.

20. Nettoyer avec de l'alcool la surface de l'étiquette montrée sur l'illustration de la tôle du panneau de commande (16) et apposer l'étiquette de la section de fonctionnement FAX (E) de la langue correspondante.

Fije las etiquetas de alfabeto (a excepción de los modelos de 100 V).

19. Limpie el área sobre las teclas numéricas de la hoja del panel de trabajo (16) con alcohol y fije las etiquetas de alfabeto (D).
En Asia y Oceanía, utilice la etiqueta PQRS TUV WXYZ y no use las PRS TUV WXY ni las OPER.

Fije la etiqueta de la sección de funcionamiento del FAX.

20. Limpie la superficie de la etiqueta que aparece en la figura de la hoja del panel de trabajo (16) con alcohol y fije la etiqueta de la sección de funcionamiento del FAX (E) del idioma correspondiente.

Anbringen der Alphetaufkleber (ausgenommen 100-V-Modelle).

19. Den Bereich über den Zifferntasten an der Bedienfeldfolie (16) mit Alkohol abwischen und die Alphetaufkleber (D) hier anbringen.
In Asien und Ozeanien den Aufkleber PQRS TUV WXYZ verwenden; nicht die Aufkleber PRS TUV WXY und OPER verwenden.

Anbringen des Aufklebers für den FAX-Bedienungsabschnitt.

20. Die in der Abbildung der Bedienfeldfolie (16) gezeigte Klebefläche des Aufklebers mit Alkohol reinigen und den Aufkleber für den FAX-Bedienungsabschnitt (E) der entsprechenden Sprache anbringen.

Applicare le etichette alfabetiche (esclusi i modelli da 100 V).

19. Pulire l'area sopra i tasti numerici sul foglio del pannello operativo (16) con alcool ed applicare le etichette alfabetiche (D).
In Asia ed Oceania, utilizzare l'etichetta PQRS TUV WXYZ e non utilizzare le etichette PRS TUV WXY e OPER.

Applicare l'etichetta della sezione funzionamento FAX.

20. Pulire con alcool la superficie dell'etichetta indicata in figura del foglio del pannello operativo (16), ed applicare l'etichetta della sezione funzionamento FAX (E) della lingua corrispondente.

粘貼英文字母标签 (100V 规格以外)

19. 使用酒精清洁操作面板页 (16) 的数字键上部, 粘貼英文字母标签 (D)。
在亚洲和大洋州, 请使用 PQRS TUV WXYZ 标签, 而不要使用 PRS TUV WXY 和 OPER 标签。

粘貼 FAX 操作部标签

20. 使用酒精清洁操作面板页 (16) 的插图位置的标签表面后, 粘貼对应语言的 FAX 操作部标签 (E)。

알파벳 라벨의 부착 (100V 사양 이외)

19. 조작판넬시트 (16) 의 텐키 윗측을 알코올 청소하고 알파벳 라벨 (D) 을 붙입니다.
아시아?오세아니아에서는 「PRS TUV WXY」 및 「OPER」 라벨을 사용하지 말고 「PQRS TUV WXYZ」의 라벨을 사용할 것.

FAX 조작부라벨의 부착

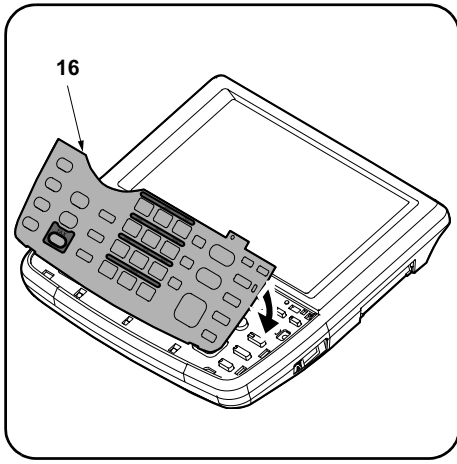
20. 조작판넬시트 (16) 의 일러스트 위치의 라벨윗면을 알코올청소 후 해당하는 언어의 FAX 조작부 라벨 (E) 을 붙입니다.

アルファベットのラベルの貼り付け (100V仕様以外)

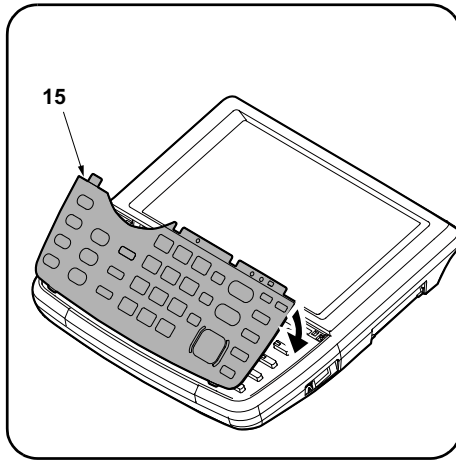
19. この作業は不要。

FAX 操作部ラベルの貼り付け

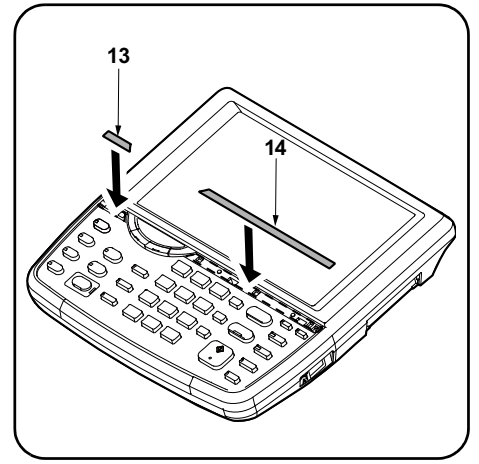
20. 操作パネルシート (16) のイラストの位置のラベル上面をアルコール清掃後、該当する言語の FAX 操作部ラベル (E) を貼り付ける。



21. Attach the operation panel sheet (16).



22. Reinstall the clear panel (15).



23. Reinstall the operation panel covers (13) (14).

21. Fixer la tôle du panneau de commande (16).

22. Reposer le panneau transparent (15).

23. Reposer les couvercles du panneau de commande (13) (14).

21. Fije la hoja del panel de trabajo (16).

22. Vuelva a instalar el panel transparente (15).

23. Vuelva a instalar las cubiertas del panel de trabajo (13) (14).

21. Die Bedienfeldfolie (16) anbringen.

22. Die durchsichtige Platte (15) wieder anbringen.

23. Die Bedienfeldabdeckungen (13) (14) wieder anbringen.

21. Applicare il foglio del pannello operativo (16).

22. Reinstallare il pannello trasparente (15).

23. Reinstallare i coperchi (13) (14) del pannello operativo.

21. 安装操作面板页 (16)。

22. 安装透明面板 (15)。

23. 安装操作面板的盖板 (13) (14)。

21. 조작판넬시트 (16) 를 붙입니다 .

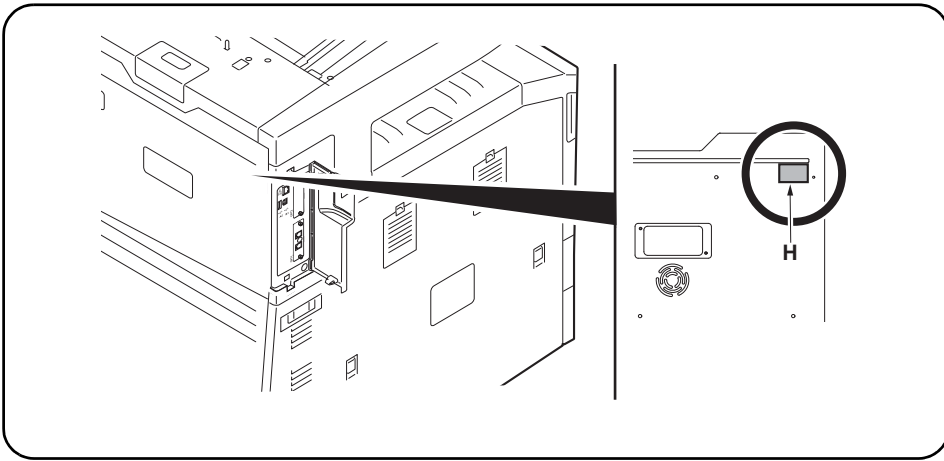
22. 클리어판넬 (15) 를 부착합니다 .

23. 조작판넬 커버 (13) (14) 을 부착합니다 .

21. 操作パネルシート(16)を取り付ける。

22. クリアパネル(15)を取り付ける。

23. 操作パネルのカバー(13)(14)を取り付ける。



Attach the PTT label (for China, 110 V models only).

24. Attach the PTT label (H) after wiping with alcohol.

Fixer l'étiquette d'approbation (pour la Chine, modèles 110 V seulement).

24. Effectuer cette procédure pour les modèles Chine ou 110 V seulement.

Coloque la etiqueta de aprobación (para China, solo para los modelos de 110 V).

24. Realice el procedimiento sólo para los modelos de Chino o 110 V.

Den Genehmigungsaufkleber anbringen (für China nur 110-V-Modelle).

24. Dieses Verfahren nur für die China- oder 110-V-Modelle anwenden.

Applicare l'etichetta di approvazione (per Cina, solo per i modelli da 110 V).

24. Eseguire questa procedura solo per modelli da Cina o 110 V.

粘貼規格標籤（仅限中国、110V 规格）

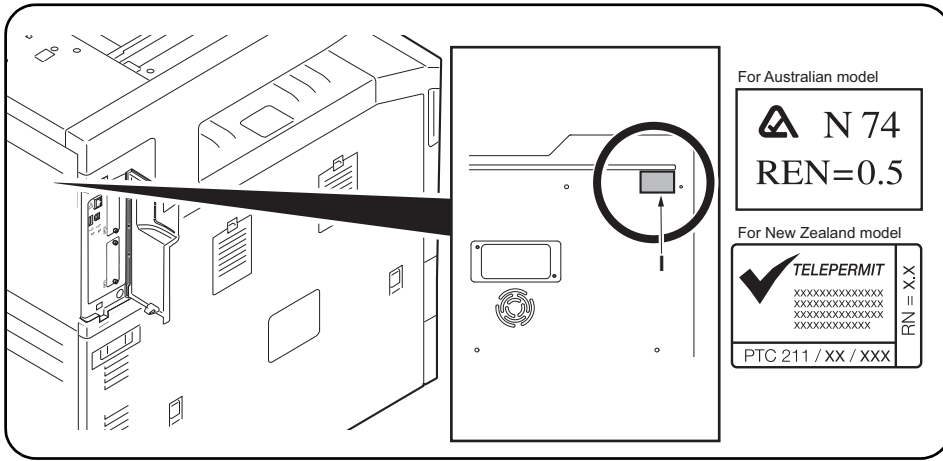
24. 用酒精清洁后，请在如图所示的位置贴上规格标签（H）。

규격라벨의 부착 (중국, 110V 사양만)

24. 이 순서는 중국, 110V 사양만 실시해 주십시오.

規格ラベルの貼り付け（中国、110V 仕様のみ）

24. この手順は中国、110V 仕様のみおこなう。



Attach the approval label (for Australian/New Zealand model only).

25. Attach the approval label (I) after wiping with alcohol.
Perform this procedure for Australian/New Zealand model only.

When installing the optional Dual FAX (when adding the FAX circuit board to OPT2), proceed to the following procedures. When not installing, proceed to page 23.

Fixer l'étiquette d'approbation (modèle pour l'Australie/Nouvelle-Zélande seulement).

25. Effectuer cette procédure pour le modèle pour l'Australie/Nouvelle-Zélande seulement.

Lorsqu'on installe le FAX double en option (lorsqu'on ajoute la carte à circuits FAX à l'OPT2), effectuer les procédures suivantes. Si on ne l'installe pas, passer à la page 23.

Coloque la etiqueta de aprobación (sólo para los modelos Australiano/Nuevo Zelandés)

25. Realice este procedimiento sólo para los modelos Australiano/Nuevo Zelandés.

Cuando instale el FAX dual opcional (cuando agrega la tarjeta de circuitos de FAX a OPT2), vaya a los siguientes procedimientos. Cuando no lo instala, vaya a la página 23.

Den Genehmigungsaufkleber anbringen (nur für Australien/Neuseeland-Modell).

25. Dieses Verfahren nur für das Australien/Neuseeland-Modell anwenden.

Wenn das optionale Dual FAX installiert wird (Hinzufügen der FAX-Leiterplatte zu OPT2), mit den folgenden Verfahren fortfahren. Erfolgt diese Installation nicht, mit Seite 23 fortfahren.

Applicare l'etichetta di approvazione (solo per il modello Australia/Nuova Zelanda).

25. Eseguire questa procedura solo per il modello Australia/Nuova Zelanda.

Quando si installa il Dual FAX opzionale (quando si aggiunge la scheda a circuiti FAX all'OPT2), continuare con la seguente procedura. Se non si esegue l'installazione passare alla pagina 23.

粘貼规格标签 (仅适用于澳大利亚 / 新西兰型号)

25. 该步骤仅适用于澳大利亚 / 新西兰型号时操作。

安装选购件的多插口组件时 (将传真电路板安装在 OPT2 上时), 请按以下步骤进行。不安装时, 按第 23 页的要求进行操作。

규격라벨의 부착 (오스트레일리아 / 뉴질랜드 사양만)

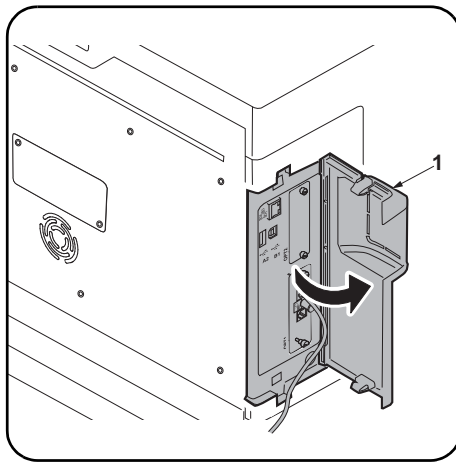
25. 알코올청소 후 규격라벨 (I) 을 부착합니다 .

옵션 멀티포트를 설치하는 경우 (FAX 기판을 OPT2 에 증설하는 경우) 에는 다음 순서로 진행합니다 . 설치하지 않는 경우에는 23 페이지로 진행합니다 .

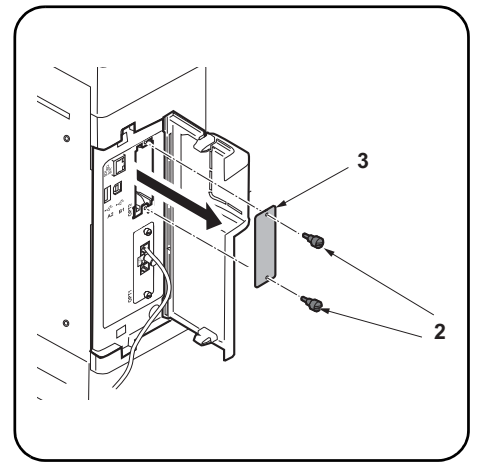
規格ラベルの貼り付け (オーストラリア / ニューゼaland仕様のみ)

25. この手順はオーストラリア / ニューゼaland仕様のみおこなう。

オプションのマルチポートを設置する場合 (FAX 基板を OPT2 に増設する場合は、次の手順に進む。設置しない場合は、23 ページへ進む。



**Removing the slot cover
(medium-speed MFPs)**
1. Open the cover (1).



2. Remove 2 screws (2) and then remove the OPT2 slot cover (3).

Install the Dual FAX

Refer to page 1 for the supplied parts.

Installer le FAX double.

Pour plus de détails concernant les pièces fournies, se reporter à la page 1.

**Dépose du couvercle de la fente
(MFP à vitesse moyenne)**

1. Ouvrir le couvercle (1).

2. Déposer les 2 vis (2) puis le couvercle de la fente OPT2 (3).

Instale el FAX dual

Consulte la página 1 de las piezas suministradas.

**Desmontaje de la cubierta de la ranura
(MFP de velocidad media)**

1. Abra la cubierta (1).

2. Quite 2 tornillos (2) y, después, quite la cubierta de la ranura OPT2 (3).

Installieren des Dual FAX

Die mitgelieferten Teile sind auf Seite 1 aufgelistet.

**Entfernen der Einschubabdeckung
(MFP der mittleren Leistungsklasse)**

1. Die Abdeckung (1) öffnen.

2. 2 Schrauben (2) entfernen und dann die Abdeckung (3) des Einschubs OPT2 entfernen.

Installare il Dual FAX

Fare riferimento alla pagina 1 per le parti in dotazione.

**Rimozione del coperchio vano
(MFP a velocità media)**

1. Aprire il coperchio (1).

2. Rimuovere le 2 viti (2) e quindi rimuovere il coperchio (3) del vano OPT2.

安装多插口组件

同装品时, 参照第 1 页。

拆下插槽盖板(中速 MFP 时)

1. 打开盖板 (1)。

2. 拆除 2 颗螺丝 (2), 拆下 OPT2 的插槽盖板 (3)。

멀티포트 설치

동봉품은 1 페이지를 참조합니다 .

슬롯커버 제거 (중속 MFP 의 경우)

1. 커버 (1) 를 엽니다 .

2. 나사 (2) 2 개를 제거하고 OPT2 의 슬롯커버 (3) 를 제거합니다 .

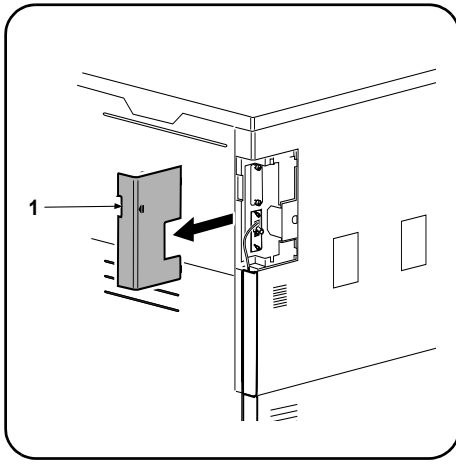
マルチポートの設置

同梱品は 1 ページを参照する。

スロットカバーの取り外し(中速 MFP の場合)

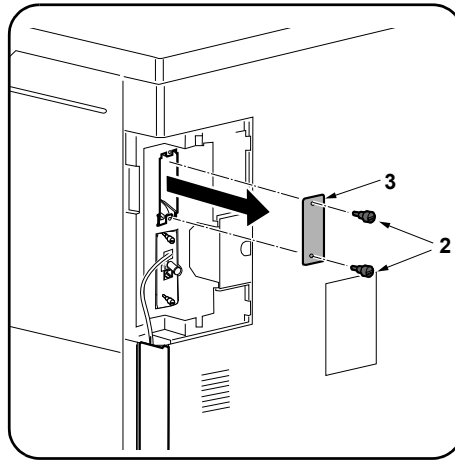
1. カバー(1) を開ける。

2. ビス (2) 2 本を外し、OPT2 のスロットカバー (3) を取り外す。



Removing the slot cover (For high-speed MFPs and when the finisher is installed)

1.Remove the cover (1).



2.Remove 2 screws (2) and then remove the OPT2 slot cover (3).

Dépose du couvercle de la fente (Pour les MFP à grande vitesse quand le retoucheur est installé)

1.Déposer le couvercle (1).

2.Déposer les 2 vis (2) puis le couvercle de la fente OPT2 (3).

Desmontaje de la cubierta de la ranura (Para las MFP de alta velocidad y cuando el finalizador está instalado)

1.Quite la cubierta (1).

2.Quite 2 tornillos (2) y, después, quite la cubierta de la ranura OPT2 (3).

Entfernen der Einschubabdeckung (Für MFP der Hochleistungsklasse und wenn der Finisher installiert ist)

1.Die Abdeckung (1) entfernen.

2.2 Schrauben (2) entfernen und dann die Abdeckung (3) des Einschubs OPT2 entfernen.

Rimozione del coperchio vano (Per MFP a velocità alta e quando la finitrice è installata)

1.Rimuovere il coperchio (1).

2.Rimuovere le 2 viti (2) e quindi rimuovere il coperchio (3) del vano OPT2.

拆下插槽盖板
(高速 MFP 且安装装订器时)
1. 拆下盖板 (1)。

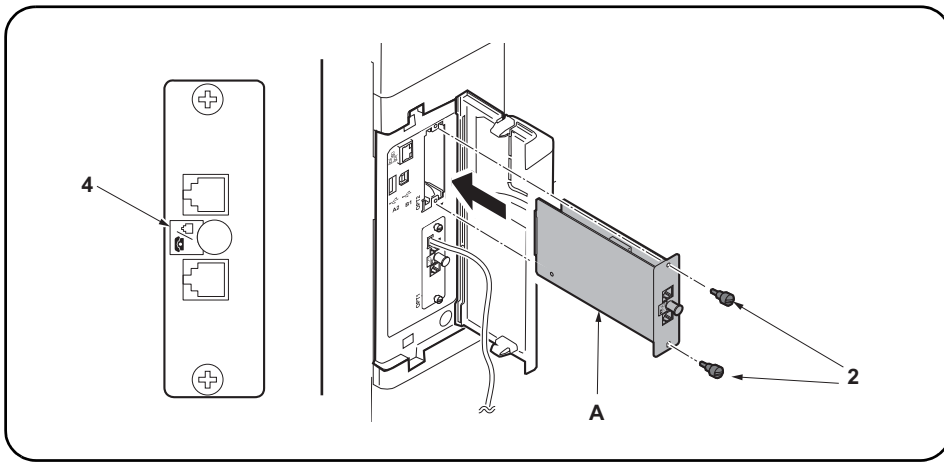
2. 拆除 2 颗螺丝 (2)，拆下 OPT2 的插槽盖板 (3)。

슬롯커버 제거
(고속 MFP 및 피니셔 장착 시의 경우)
1. 커버 (1) 를 제거합니다 .

2. 나사 (2) 2 개를 제거하고 OPT2 의 슬롯커버 (3) 를 제거합니다 .

スロットカバーの取り外し(高速 MFP および
フィニッシャー装着時の場合)
1. カバー (1) を取り外す。

2. ビス (2) 2 本を外し、OPT2 のスロットカバー (3) を取り外す。



Install the FAX circuit board.

3. Insert the FAX circuit board (A) along the groove in OPT2 and secure the board with two screws (2) that have been removed in step 2.
Do not directly touch the FAX circuit board (A) terminal.
Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).
Direct the label (4) on to the FAX circuit board (A) toward left side and insert the board along the groove.

Installer la carte à circuits FAX.

3. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT2 et la fixer à l'aide des deux vis (2) retirées à l'étape 2.
Ne pas toucher directement la borne de la carte à circuits FAX (A).
Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A).
Orienter l'étiquette (4) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de FAX.

3. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT2 y asegúrela con los dos tornillos (2) que ha quitado en el paso 2.
No toque directamente el terminal de la tarjeta de circuitos del FAX (A).
Sujete las partes superior e inferior de la tarjeta de circuitos de FAX o la saliente de la tarjeta para insertar la tarjeta de circuitos de FAX (A).
Oriente la etiqueta (4) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

3. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT2 einsetzen und Leiterplatte mit den in Schritt 2 ausgebauten Schrauben (2) befestigen.
Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern.
Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.
Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (4) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

3. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT2 e fissare la scheda con le due viti (2) rimosse nell'operazione 2.
Non toccare direttamente il terminale della scheda a circuiti FAX (A),
Per inserire il circuito FAX (A), tenere l'estremit superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX.
Orientare l'etichetta (4) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

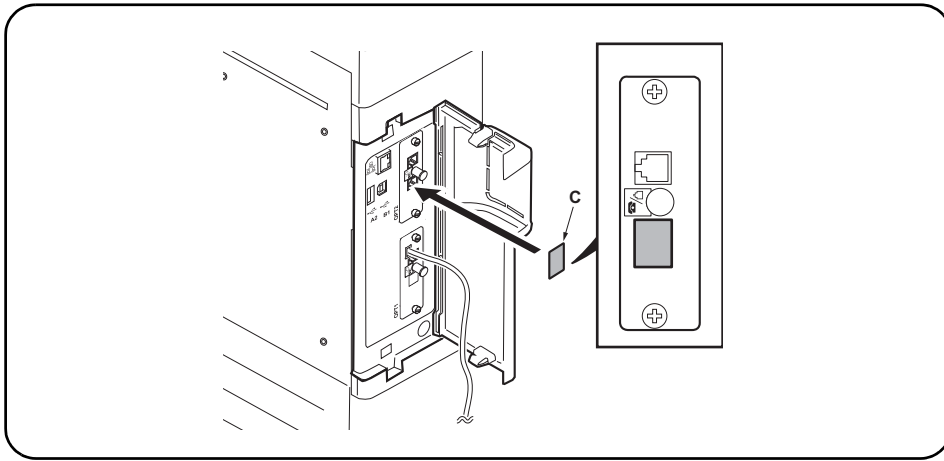
3. 沿着 OPT2 的沟槽插入传真电路板 (A) 并用步骤 2 中拆下的两颗螺钉 (2) 固定电路板。
请勿直接接触传真电路板 (A) 端子。
按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。
将传真电路板 (A) 上的标签 (7) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

3. OPT2 구에 붙여 FAX 기판 (A) 를 삽입하고 순서 2 에서 제거한 나사 (2) 2 개로 고정합니다.
FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것.
FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것.
FAX 기판 (A) 을 붙여진 라벨 (4) 그림 표기 방향대로 되도록 삽입할 것.

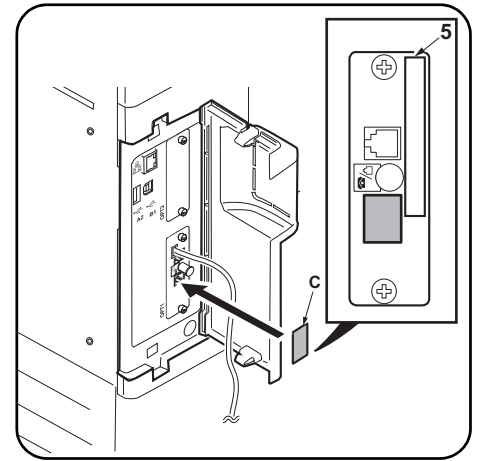
FAX 基板の取り付け

3. OPT2 の溝に沿って FAX 基板 (A) を挿入し、手順 2 で外したビス (2) 2 本で固定する。
FAX 基板 (A) の端子に直接触れないこと。
FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。
FAX 基板 (A) は、貼り付けられているラベル (4) が図に示す方向になるように、挿入すること。



Seal the terminal.

4. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).
The telephone terminal on the FAX circuit board installed to OPT2 is unavailable (invalid). Seal the terminal securely to prevent a user from connecting a separate phone.



On 120 V models, be sure that it is not attached over the top of the approval label (5).

Fermer hermétiquement la borne.

4. Nettoyer la surface de la borne de téléphone avec de l'alcool, et apposer le joint de borne (C).
La borne de téléphone de la carte à circuits FAX installée sur l'OPT2 n'est pas utilisable (invalide). Fermer hermétiquement la borne pour empêcher tout utilisateur de connecter un téléphone séparé.

Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (5).

Selle el terminal.

4. Limpie la superficie del terminal de teléfono con alcohol y pegue el sello de terminal (C).
El terminal de teléfono de la tarjeta de circuitos de FAX instalado en el OPT2 no está disponible (inválido). Selle firmemente el terminal para evitar que un usuario conecte un teléfono por separado.

En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (5).

Versiegeln der Anschlussbuchse.

4. Die Oberfläche der Telefonanschlussbuchse mit Alkohol abwischen und die Verschlusskappe (C) anbringen.
Die Telefonanschlussbuchse der in OPT2 installierten FAX-Leiterplatte ist nicht verfügbar (ungültig). Die Anschlussbuchse vollkommen versiegeln, um den Anschluss eines separaten Telefons zu verhindern.

Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (5) verdeckt.

Sigillare il terminale.

4. Pulire la superficie del terminale del telefono con alcol e fare aderire la guarnizione terminale (C).
Il terminale del telefono sulla scheda a circuiti FAX installata su OPT2 non è disponibile (invalido). Sigillare il terminale saldamente per prevenire a un utente di collegare un telefono separato.

Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (5).

安装端子密封

4. 用酒精擦拭电话端子表面并粘上端子密封 (C)。
安装在 OPT2 上的传真电路板的电话端子不可使用 (无效)。为了避免用户错误与其它电话连接, 必须确实粘贴好端子密封。

120V 规格在粘贴时注意不要与认可标签 (5) 重叠。

단자씰의 부착

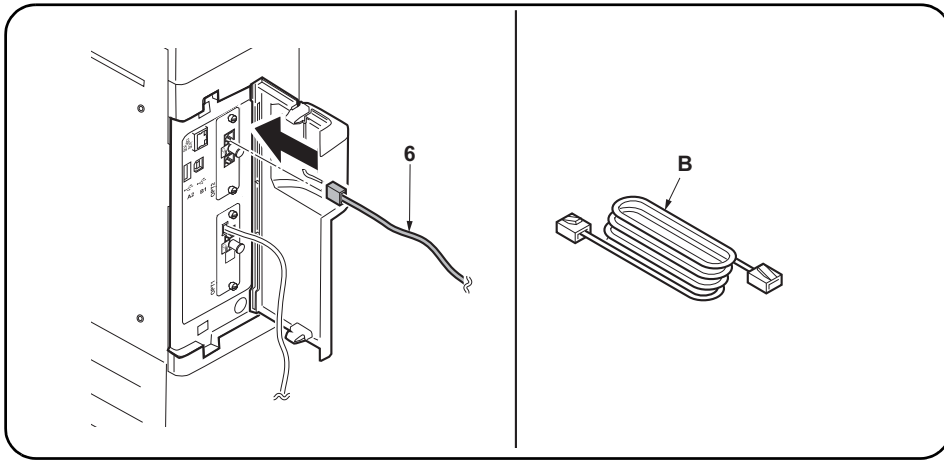
4. TEL 단자주위를 알코올청소하고 단자씰 (C) 을 부착합니다.
OPT2 에 부착한 FAX 기판의 TEL 단자는 사용불가 (무효) 가 됩니다. 사용자가 잘못해 외부 전화를 접속하지 않도록 확실히 부착할 것.

120V 사양은 허가 라벨 (5) 에 겹치지 않도록 붙일 것.

端子シールの貼り付け

4. TEL 端子周围をアルコール清掃し、端子シール (C) を貼り付ける。
OPT2 に取り付けした FAX 基板の TEL 端子は使用不可 (無効) となる。ユーザーが誤って外付け電話を接続しないよう確実に貼り付けること。

120V 仕様は認可ラベル (5) に重ならないように、貼り付けること。



Connect the MFP to the telephone line.

5. Plug the modular connector cable (6) into the line terminal, and then connect the other end to the telephone line.

For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

5. Brancher le câble du connecteur modulaire (6) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.

Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

5. Enchufe el cable del conector modular (6) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.

Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

5. Telefonmodulkabel (6) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.

Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

5. Inserire il cavo connettore modulare (6) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.

Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

5. 将模块接插件电缆 (6) 插入电话线端子, 然后将另一端与电话线连接。

对于 100V/120V/ 澳大利亚或中国机型, 请使用随附的模块接插件电缆 (B)。

전화회선과의 접속

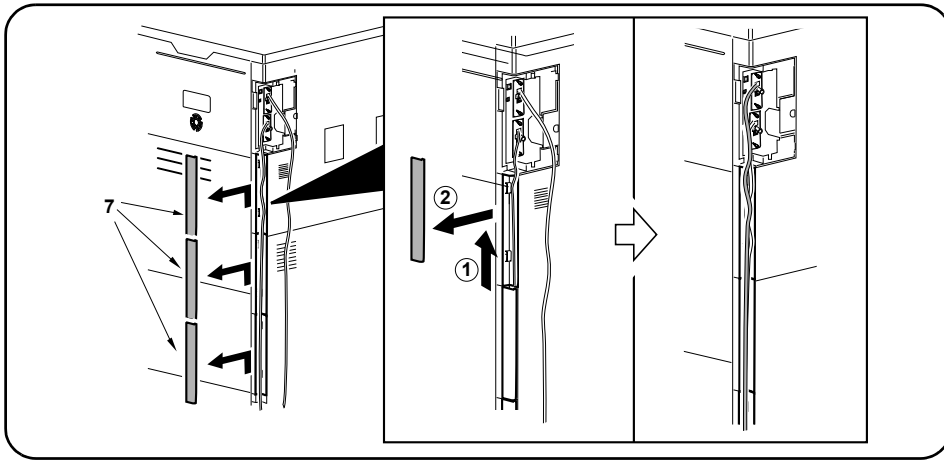
5. 모듈코드 (6) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.

100V/120V/ 오스트레일리아 / 중국사양은 부속 모듈코드 (B) 를 사용할 것.

電話回線との接続

5. モジュラーコード (6) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。

100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。



**Wiring the modular connector cable
(High-speed MFPs only)**

6. Remove the covers (7) and run the modular connector cable as shown in the figure.

7. Reinstall the covers (7).

(Medium-speed MFPs)

8. Close the cover (1).

(For high-speed MFPs and when the finisher is installed)

8. Reinstall the cover (1).

**Câblage du câble à connecteur modulaire
(MFP à grande vitesse uniquement)**

6. Déposer les couvercles (7) et implanter le câble à connecteur modulaire comme illustré par la figure.

7. Reposer les couvercles (7).

(MFP à vitesse moyenne)

8. Fermer le couvercle (1).

(Pour les MFP à grande vitesse quand le retoucheur est installé)

8. Reposer le couvercle (1).

**Tendido del cable conector modular
(Solo para las MFP de alta velocidad)**

6. Quite las cubiertas (7) y tienda el cable conector modular como se muestra en la ilustración.

7. Vuelva a instalar las cubiertas (7).

(MFP de velocidad media)

8. Cierre la cubierta (1).

(Para las MFP de alta velocidad y cuando el finalizador está instalado)

8. Vuelva a instalar la cubierta (1).

**Verlegung des Modularsteckerkabels
(Nur MFP der Hochleistungsklasse)**

6. Die Abdeckungen (7) entfernen und das Modularsteckerkabel gemäß der Abbildung verlegen.

7. Die Abdeckungen (7) wieder anbringen.

(MFP der mittleren Leistungsklasse)

8. Die Abdeckung (1) schließen.

(Für MFP der Hochleistungsklasse und wenn der Finisher installiert ist)

8. Die Abdeckung (1) wieder anbringen.

**Cablaggio del cavo connettore modulare
(Solo per MFP a velocità alta)**

6. Rimuovere i coperchi (7) e far passare il cavo connettore modulare come indicato nella figura.

7. Reinstallare i coperchi (7).

(Per MFP a velocità media)

8. Chiudere il coperchio (1).

(Per MFP a velocità alta e quando la finitrice è installata)

8. Reinstallare il coperchio (1).

电话线的配线 (仅限高速 MFP 时)

6. 拆下盖板 (7), 将电话线如图所示穿过。

7. 安装盖板 (7)。

(中速 MFP 时)

8. 关闭盖板 (1)。

(高速 MFP 且安装装订器时)

8. 安装盖板 (1)。

모듈코드의 배선 (고속 MFP 의 경우만)

6. 커버 (7) 를 떼어 내고 모듈코드를 그림과 같이 지나가게 합니다 .

7. 커버 (7) 을 장착합니다 .

(중속 MFP 의 경우)

8. 커버 (1) 를 닫습니다 .

(고속 MFP 및 피니셔 장착 시의 경우)

8. 커버 (1) 를 장착합니다 .

モジュラーコードの配線 (高速 MFP の場合のみ)

6. カバー (7) を取り外し、モジュラーコードを図のように通す。

7. カバー (7) を取り付ける。

(中速 MFP の場合)

8. カバー (1) を開める。

(高速 MFP およびフィニッシャー装着時の場合)

8. カバー (1) を取り付ける。

Initialize the FAX circuit board.

1. Plug the MFP into a power outlet, and turn on the main power.
2. If the FAX circuit board has been installed only in OPT1 or installed both in OPT1 and OPT2 (to initialize all FAX circuit boards) Perform the maintenance mode U600 to initialize the fax control assembly.

3. If the FAX circuit board has been added to OPT2 (to initialize the FAX circuit board in OPT2)

Initialize OPT2 by pressing [PORT2], and the Start key in this order in the maintenance mode U698 and executing the maintenance mode U600. If [ALL] is selected in U698, both OPT1 and OPT2 are initialized. For details, see the service manual. Refer to the operation guide to create a FAX Box.

Initialiser la carte à circuits FAX.

1. Brancher le MFP sur une prise d'alimentation et le mettre sous tension.
2. Si la carte à circuits FAX a été installée dans l'OPT1 seulement, ou a été installée dans l'OPT1 et dans l'OPT2 (pour initialiser toutes les cartes à circuits FAX) Exécuter le mode de maintenance U600 pour initialiser l'ensemble de commande de fax.

3. Si la carte à circuits FAX a été ajoutée à l'OPT2 (pour initialiser la carte à circuits FAX dans l'OPT2)

Initialiser l'OPT2 en appuyant sur [PORT2] et la touche Départ dans cet ordre en mode de maintenance U698, et exécuter le mode de maintenance U600. Si [ALL] est sélectionné dans U698, l'OPT1 et l'OPT2 sont tous deux initialisés. Pour plus de détails, se reporter au manuel d'entretien. Se reporter au manuel d'utilisation pour créer une Boîte de FAX.

Inicialice la tarjeta de circuitos FAX.

1. Conecte el MFP a un receptáculo de pared y encienda el interruptor principal.
2. Si la tarjeta de circuitos de FAX se instaló solo en OPT1 o se instaló tanto en OPT1 como OPT2 (para inicializar todas las tarjetas de circuito de FAX) Ejecute el modo de mantenimiento U600 para inicializar el conjunto de control de fax.

3. Si la tarjeta de circuitos de FAX se agregó a OPT2 (para inicializar la tarjeta de circuitos de FAX en OPT2)

Inicialice el OPT2 presionando [PORT2] y la tecla de Inicio en ese orden en el modo de mantenimiento U698 y ejecutando el modo de mantenimiento U600. Si se selecciona [ALL] en U698, se inicializan ambos OPT1 y OPT2. Para más detalles, lea el manual de servicio. Consulte la guía de uso para crear un Buzón de FAX.

Initialisieren der FAX-Leiterplatte.

1. Netzstecker des MFP in eine Steckdose stecken und Hauptschalter einschalten.
2. Wenn die FAX-Leiterplatte nur in OPT1 oder sowohl in OPT1 als auch in OPT2 installiert worden ist (um alle FAX-Leiterplatten zu initialisieren) Wartungsmodus U600 ausführen, um die Faxsteuerbaugruppe zu initialisieren.

3. Wenn die FAX-Leiterplatte zu OPT2 hinzugefügt worden ist (um die FAX-Leiterplatte in OPT2 zu initialisieren)

OPT2 initialisieren. Dazu [PORT2] und die Start-Taste im Wartungsmodus U698 in dieser Reihenfolge drücken und den Wartungsmodus U600 ausführen. Wenn [ALL] in U698 gewählt wird, werden OPT1 und OPT2 initialisiert. Weitere Einzelheiten siehe Wartungsanleitung. Schlagen Sie zur Erzeugung einer FAX-Box in der Einführung nach.

Inizializzare la scheda a circuiti FAX.

1. Collegare l'MFP ad una presa di corrente e portare l'interruttore principale su On.
2. Se la scheda a circuiti FAX è stata installata solo nell'OPT1 o in entrambi l'OPT1 e l'OPT2 (per inicializzare tutte le schede di circuito FAX) Eseguire il modo di manutenzione U600 per inicializzare il gruppo di controllo fax.

3. Se la scheda a circuiti è stata aggiunta all'OPT2 (per inicializzare la scheda a circuiti FAX nell'OPT2)

Inizializzare OPT2 premendo [PORT2] e il tasto Avvio in questo ordine nel modo di manutenzione U698 ed eseguendo il modo di manutenzione U600. Se viene selezionato [ALL] nel modo U698, entrambi OPT1 e OPT2 sono inicializzati. Per ulteriori dettagli leggere il manuale d'istruzioni. Leggere la guida alle funzioni per creare una Casella FAX.

传真电话板的初始化

1. 将 MFP 插入电源插座，打开主电源。
2. 仅限于在 OPT1 或 OPT1 和 OPT2 上同时安装传真电路板时（全部的传真电路板初始化）
执行维修保养模式 U600，初始化传真控制组件

3. 在 OPT2 上增设时

(OPT2 的传真电路板初始化)
只进行 OPT2 初始化时，在维修保养模式 U698 状态下，按顺序按下“PORT2”、开始键，执行维修保养模式 U600。
在 U698 状态下设定“ALL”时，会使 OPT1 和 OPT2 均初始化。
有关详细信息，请参见维修手册。参照操作手册，作成传真盒。

FAX 기판의 초기화

1. MFP 본체 전원플러그를 콘센트에 꼽고 주 전원 스위치를 ON 으로 한다.
2. OPT1 만 또는 OPT1 와 OPT2 에 FAX 기판을 동시에 설치한 경우 (전부 FAX 기판을 초기화) 메인터너스 모드 U600 을 실행하고 FAX 기판을 초기화합니다.

3. OPT2 에 증설한 경우 (OPT2 의 FAX 기판을 초기화)

메인터너스 모드 U698 에서 「PORT2」, 시작키 순으로 누릅니다. 메인터너스 모드 U600 을 실행하고 FAX 기판을 초기화합니다.
U698 에서 「ALL」을 설정하면 OPT1 과 OPT2 양쪽을 초기화하기 때문에 주의할 것.
상세는 서비스 매뉴얼을 참조할 것.
사용설명서를 참조해 팩스박스를 작성합니다.

FAX 基板の初期化

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. OPT1 のみまたは OPT1 と OPT2 に FAX 基板を同時に設置した場合（すべての FAX 基板を初期化）メンテナンスモード U600 を実行し、FAX 基板を初期化する。

3. OPT2 に増設した場合 (OPT2 の FAX 基板を初期化)

メンテナンスモード U698 で「PORT2」、スタートキーの順に押す。メンテナンスモード U600 を実行し、FAX 基板を初期化する。
U698 で「ALL」を設定すると OPT1 と OPT2 両方を初期化するので注意すること。詳細はサービスマニュアルを参照のこと。
使用説明書を参照し、ファクスボックスを作成する。

INSTALLATION GUIDE FOR BANNER GUIDE

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

GUIDA ALL'INSTALLAZIONE

安装手册

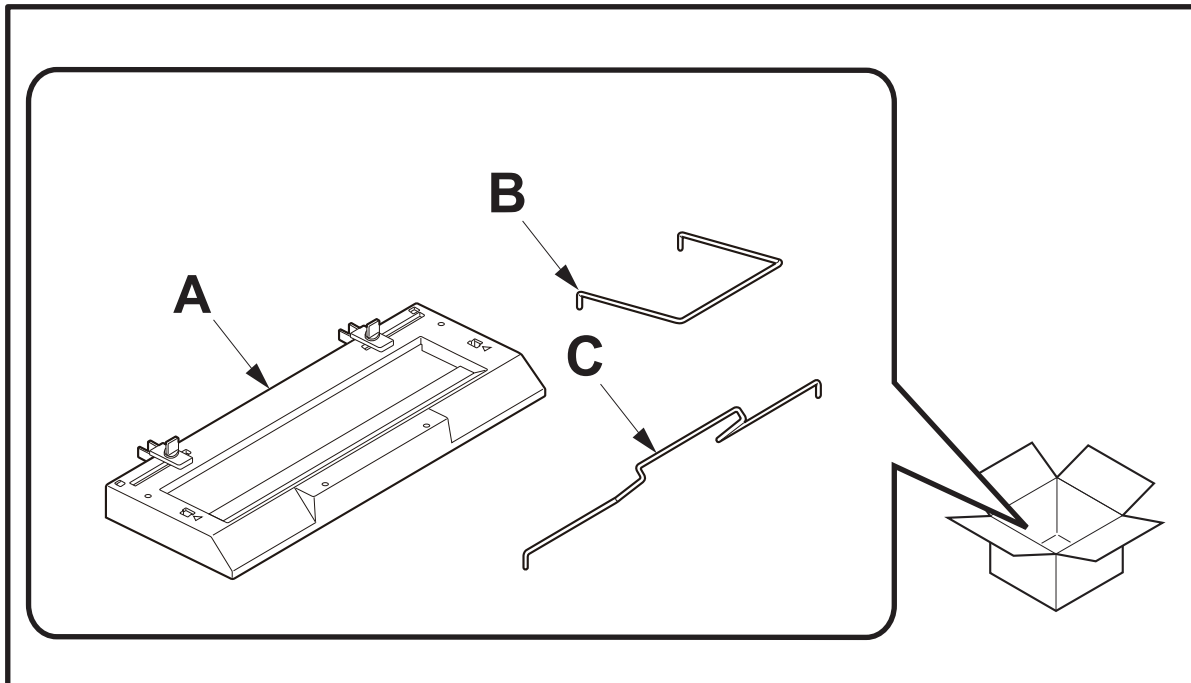
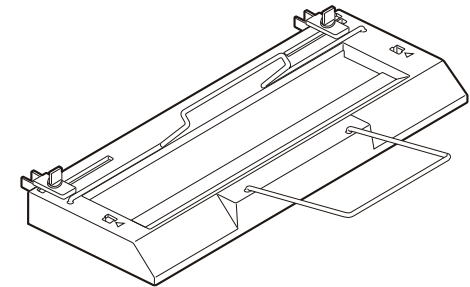
설치안내서

設置手順書

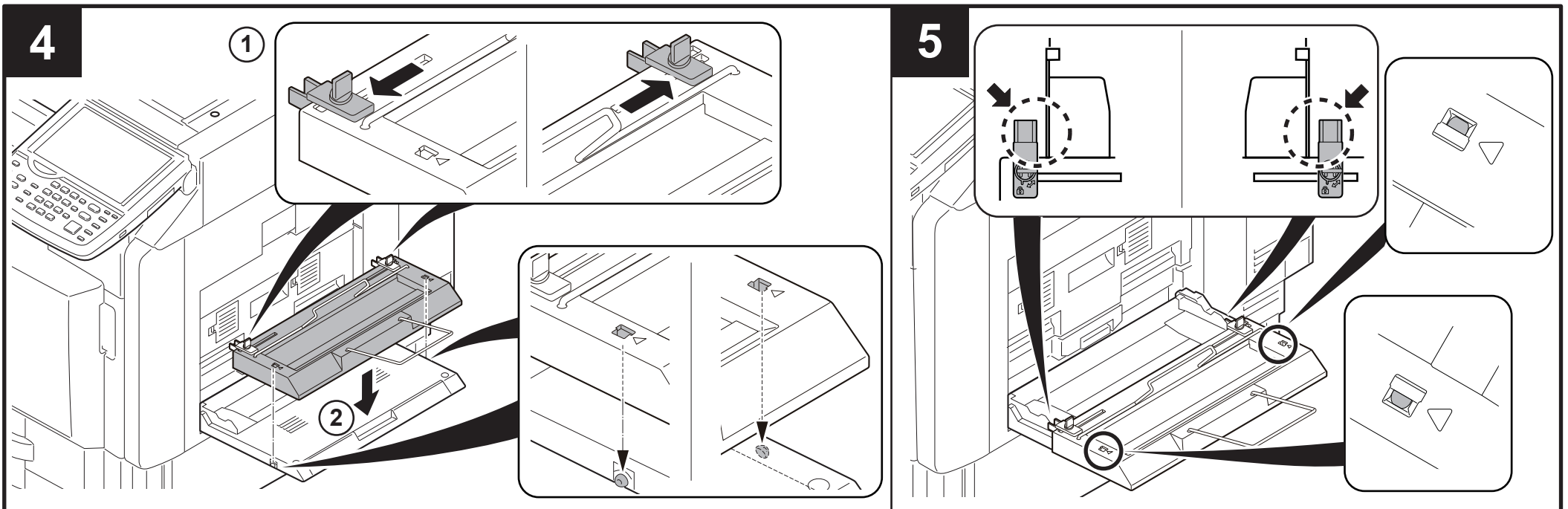
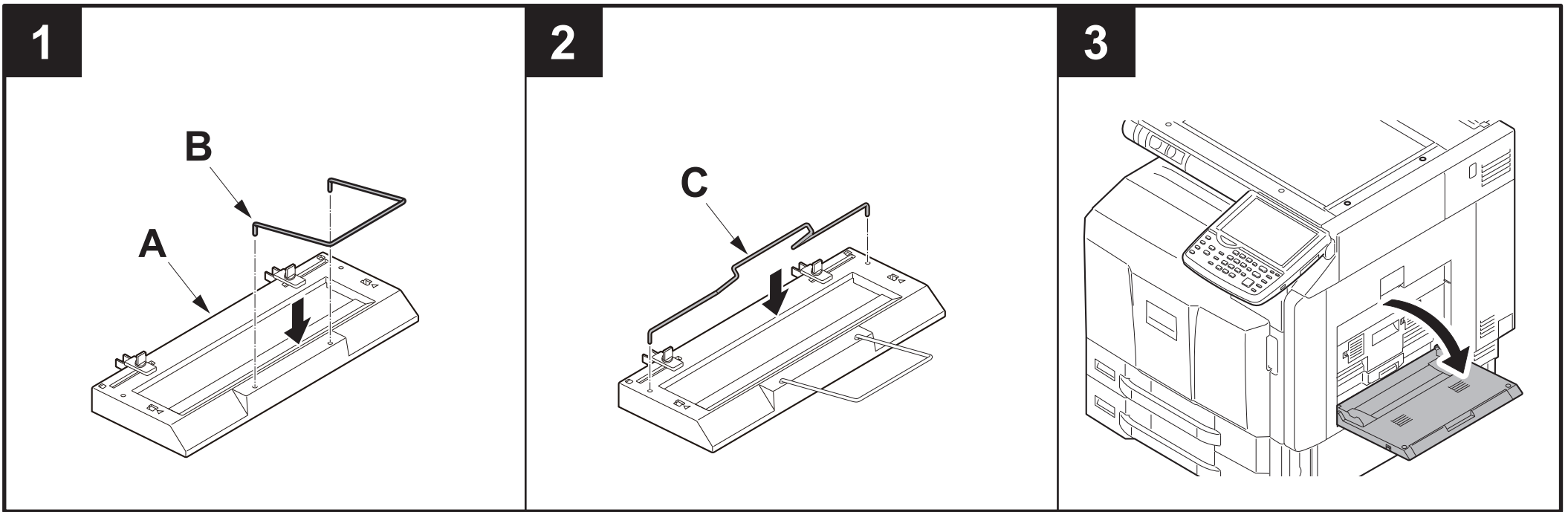


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Banner Guide(A)



- (ENG) Precautions**
The illustrations of the machine in the Installation Guide are for color MFP. (30,35,45,55ppm)
- (FR) Précautions**
L'appareil représenté dans les illustrations du présent guide d'installation est le MFP couleur. (30,35,45,55ppm)
- (ES) Precauciones**
Las ilustraciones de la máquina que aparecen en la Guía de instalación corresponden a una MFP en color. (30,35,45,55ppm)
- (DE) Vorsichtsmaßnahmen**
Die Abbildungen der Maschine in der Installationsanleitung gelten für den Farb-MFP. (30,35,45,55ppm)
- (IT) Precauzioni**
Le illustrazioni della macchina nella guida di installazione sono per colore MFP. (30,35,45,55ppm)
- (CN) 注意事项**
安装手册中记载的机器主机的插图是彩色机。(30, 35, 45, 55 页机型)
- (KO) 주의사항**
설치순서에 기재되어 있는 기기본체 일러스트는 컬러기 입니다. (30,35,45,55매기)
- (JP) 注意事項**
設置手順書に記載している機械本体のイラストはカラー機 (30, 35, 45, 55枚機) です。



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