

Installation Procedure

iR6570/5570 Series

Canon

Application

This manual has been issued by Canon Inc. for qualified persons to learn technical theory, installation, maintenance, and repair of products. This manual covers all localities where the products are sold. For this reason, there may be information in this manual that does not apply to your locality.

Corrections

This manual may contain technical inaccuracies or typographical errors due to improvements or changes in products. When changes occur in applicable products or in the contents of this manual, Canon will release technical information as the need arises. In the event of major changes in the contents of this manual over a long or short period, Canon will issue a new edition of this manual.

The following paragraph does not apply to any countries where such provisions are inconsistent with local law.

Trademarks

The product names and company names used in this manual are the registered trademarks of the individual companies.

Copyright

This manual is copyrighted with all rights reserved. Under the copyright laws, this manual may not be copied, reproduced or translated into another language, in whole or in part, without the written consent of Canon Inc.

COPYRIGHT © 2001 CANON INC.

Printed in Japan

Caution

Use of this manual should be strictly supervised to avoid disclosure of confidential information.

Symbols Used

This documentation uses the following symbols to indicate special information:

Symbol	Description
	Indicates an item of a non-specific nature, possibly classified as Note, Caution, or Warning.
	Indicates an item requiring care to avoid electric shocks.
	Indicates an item requiring care to avoid combustion (fire).
	Indicates an item prohibiting disassembly to avoid electric shocks or problems.
	Indicates an item requiring disconnection of the power plug from the electric outlet.
 Memo	Indicates an item intended to provide notes assisting the understanding of the topic in question.
 REF.	Indicates an item of reference assisting the understanding of the topic in question.
	Provides a description of a service mode.
	Provides a description of the nature of an error indication.

The following rules apply throughout this Service Manual:

1. Each chapter contains sections explaining the purpose of specific functions and the relationship between electrical and mechanical systems with reference to the timing of operation.

In the diagrams,  represents the path of mechanical drive; where a signal name accompanies the symbol, the arrow  indicates the direction of the electric signal.

The expression "turn on the power" means flipping on the power switch, closing the front door, and closing the delivery unit door, which results in supplying the machine with power.

2. In the digital circuits, '1' is used to indicate that the voltage level of a given signal is "High", while '0' is used to indicate "Low". (The voltage value, however, differs from circuit to circuit.) In addition, the asterisk (*) as in "DRMD*" indicates that the DRMD signal goes on when '0'.

In practically all cases, the internal mechanisms of a microprocessor cannot be checked in the field. Therefore, the operations of the microprocessors used in the machines are not discussed: they are explained in terms of from sensors to the input of the DC controller PCB and from the output of the DC controller PCB to the loads.

The descriptions in this Service Manual are subject to change without notice for product improvement or other purposes, and major changes will be communicated in the form of Service Information bulletins.

All service persons are expected to have a good understanding of the contents of this Service Manual and all relevant Service Information bulletins and be able to identify and isolate faults in the machine."

Contents

第 1 章 Installation Procedure

1.1 Making Pre-Checks	2
1.1.1 Selecting the Site	2
1.1.2 Checking the Contents	4
1.1.3 Name of Parts	7
1.2 Unpacking and Installation	9
1.2.1 Points to Note Before Starting the Work	9
1.2.2 Unpacking	9
1.2.3 Installing the Scanner	11
1.2.4 Installing the Fixing Assembly	11
1.2.5 Checking the Corona Assembly and the Dust-proofing Glass	12
1.2.6 Installing the Developing Assembly	14
1.2.7 Installing the Pick-up Assembly	15
1.2.8 Installing the Deck Pressure Plate	16
1.2.9 Setting Up the Toner Bottle	17
1.2.10 Connecting the Reader Communication Cable	17
1.2.11 Checking the Environment Switch	18
1.2.12 Turning on the Main Power	19
1.2.13 Stirring the Toner	19
1.2.14 Setting the Cassette	19
1.2.15 Index Paper Attachment	20
1.2.16 Changing Paper Size of the Front Deck (Left/Right)	20
1.2.17 Checking Images/Operations, User Mode	21
1.2.18 Adjusting Side Registration	22
1.2.19 Adjusting Leading Edge Registration	24
1.2.20 Getting the Machine Ready for Installation	24
1.3 Checking the Connection to the Network	27
1.3.1 Overview	27
1.3.2 Ping Operating Procedure	27
1.3.3 Checking with Remote Host Address	27
1.4 Troubleshooting the Network	29
1.4.1 Overview	29
1.4.2 Checking with Loopback Address	29
1.4.3 Checking with Local Host Address	29
1.5 Installing the Copy Tray	30
1.5.1 Checking the Contents	30
1.5.2 Turning Off the Host Machine	30
1.5.3 Installation Procedure for the Copy Tray-L1	31
1.6 Installing the Card Reader	34
1.6.1 Installation Procedure for the Card Reader	34
1.6.2 Checking the Contents	34
1.6.3 Turning Off the Host Machine	35
1.6.4 Installation Procedure	36

1.7 Installing the NE Controller.....	40
1.7.1 Installing the NE Controller-A1	40
1.8 Installing the Original Holder	42
1.8.1 Checking the Contents	42
1.8.2 Installation Procedure	42
1.9 Installing the Cassette Heater	44
1.9.1 Checking the Contents	44
1.9.2 Turning Off the Host Machine	44
1.9.3 Mounting the Cassette Heater	45

Chapter 1 Installation Procedure

1.1 Making Pre-Checks

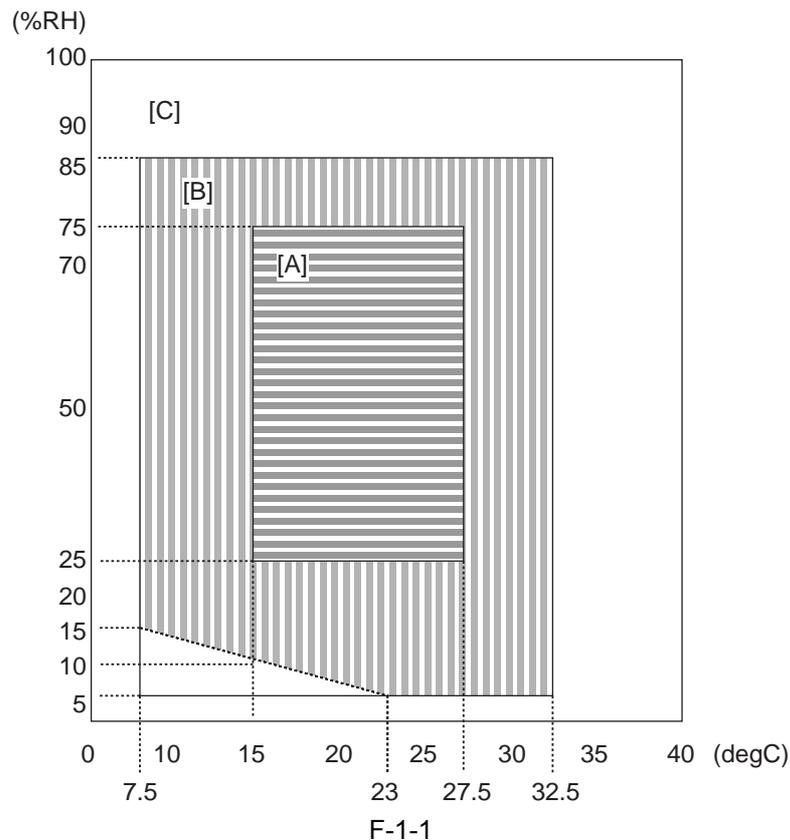
1.1.1 Selecting the Site

0008-8566

iR5570 / iR6570

The site must meet the following requirements; if possible, visit the user's premises before the machine is delivered.

1. The place must fall within the following ranges of temperature and humidity. The site must not be near a water faucet, water boiler, humidifier, or refrigerator.



<Assured environmental zone>

[A]: A zone. All quality standard items are satisfied.

[B]: B zone. Some quality standard items are inferior to those in A zone or not satisfied.

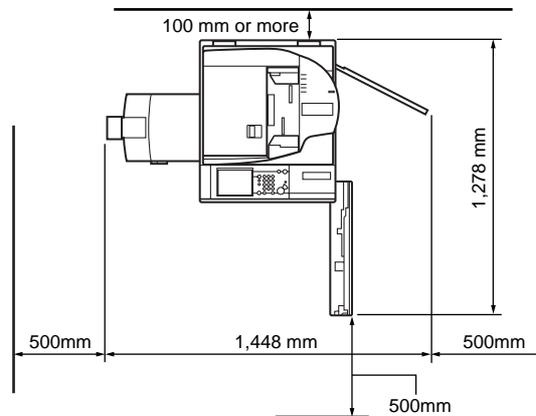
[C]: C zone. Copying operation is performed normally without any safety issues, malfunction, and errors in display.

2. The site must not be near a source of fire or subject to dust or ammonium gas.

If exposed to direct rays of the sun, provide curtains.

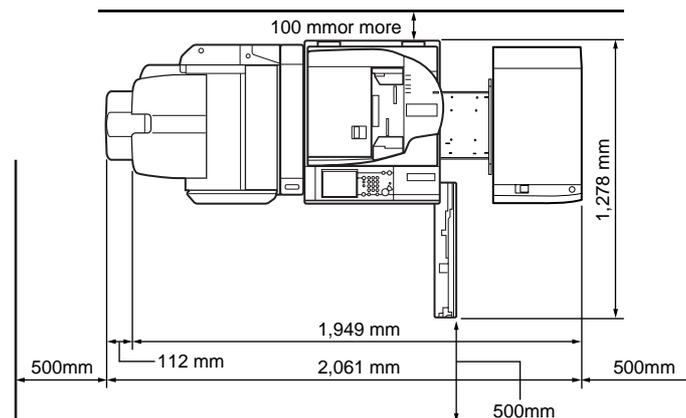
3. The amount of ozone generated by the machine in operation is not of a level that would harm the health of individuals around it. However, some individuals may find its odor unpleasant when it is used for a long time in the room with poor ventilation. Be sure to ventilate the room well to provide a good working environment.

4. Be sure that the machine's feet will keep in contact with the floor and the machine will remain level.
 5. Be sure that the machine will be at least 10 cm from all walls, offering enough space for its use.
- Without Options



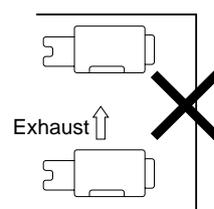
F-1-2

-With Options installed



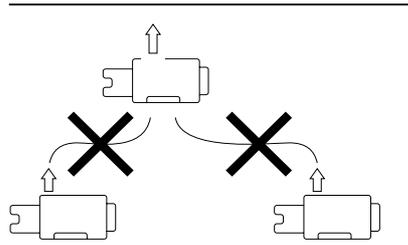
F-1-3

6. The site must be well ventilated. Take care so that the machine will not be installed near a vent from which air is taken into the room.
7. When multiple machines are placed in the room, be aware that the machine will not be placed to suck the exhaust from other machines, otherwise the life of the corona wire may be shortened, especially in the low humidity environment, the tendency will be pronounced.



Bad example [1]

F-1-4



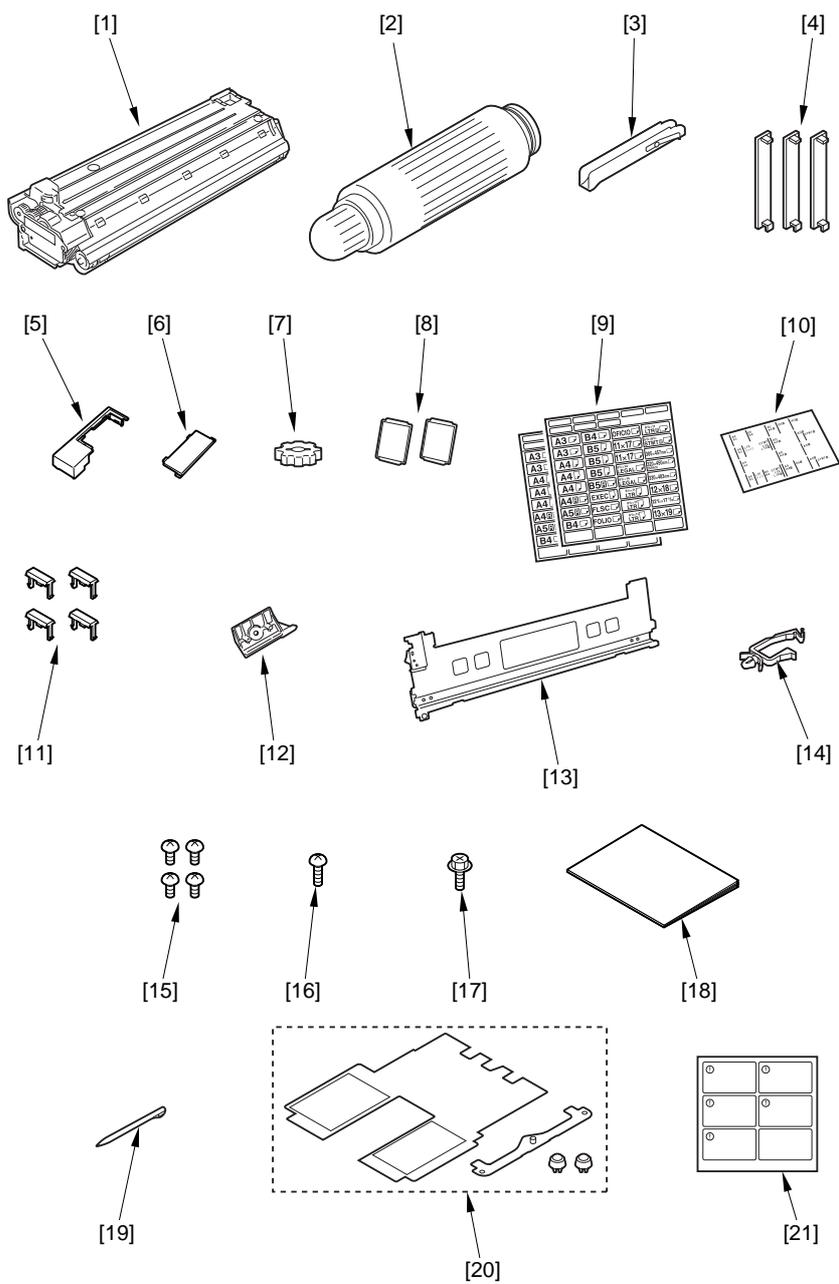
Bad example[2]
F-1-5

1.1.2 Checking the Contents

0009-6103

iR5570 / iR6570

Check to be sure that none of the following contents is missing:



F-1-6

T-1-1

[1]	Developing assembly	1
[2]	Toner Bottle	1
[3]	Grip	1
[4]	Grip assembly cover (large)	3
[5]	Latch face cover	1

[6]	Grip assembly cover (small)	1
[7]	Drum rotating tool	1
[8]	Cassette size plate	2
[9]	Cassette size label	2
[10]	Original size label	1
[11]	Non-inch block	4
[12]	Deck locking plate	1
[13]	Developing assembly locking plate unit	1
[14]	Wire saddle	1
[15]	Binding screw (M4X4)	4
[16]	Binding screw (M4X6)	1
[17]	RS tightening screw (M4X8)	1
[18]	Service book case	1
[19]	Touch Pen	1
[20]	Index Paper Attachment	1
[21]	Shut-Down Warning Label	1

Check the documentation and CD against the following table:

T-1-2

Documentation
Reference guide
Copy /Box Guide
Operators manual CD-ROM: NW/RUI
Easy Operation Guide
License Agreement

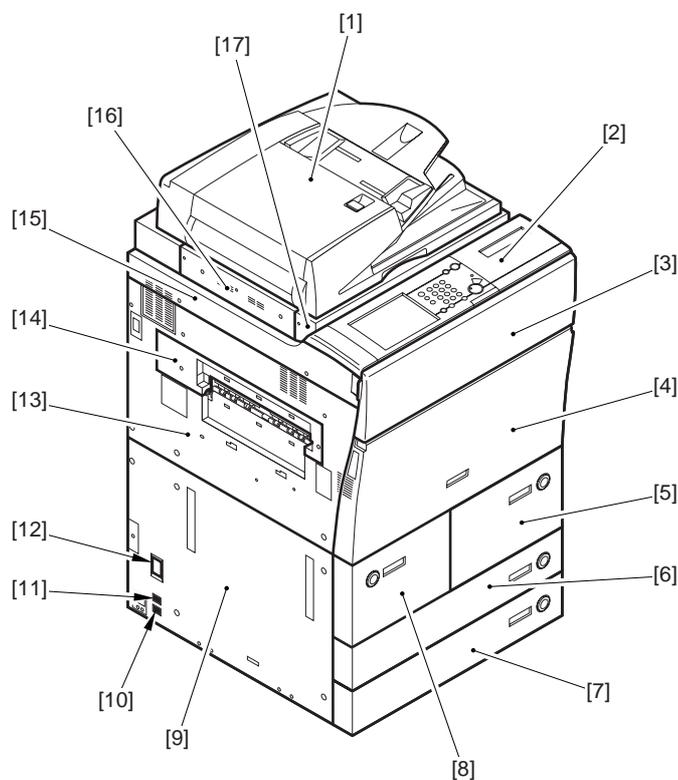
T-1-3

CD-ROM
MEAP Admin. CD-ROM

1.1.3 Name of Parts

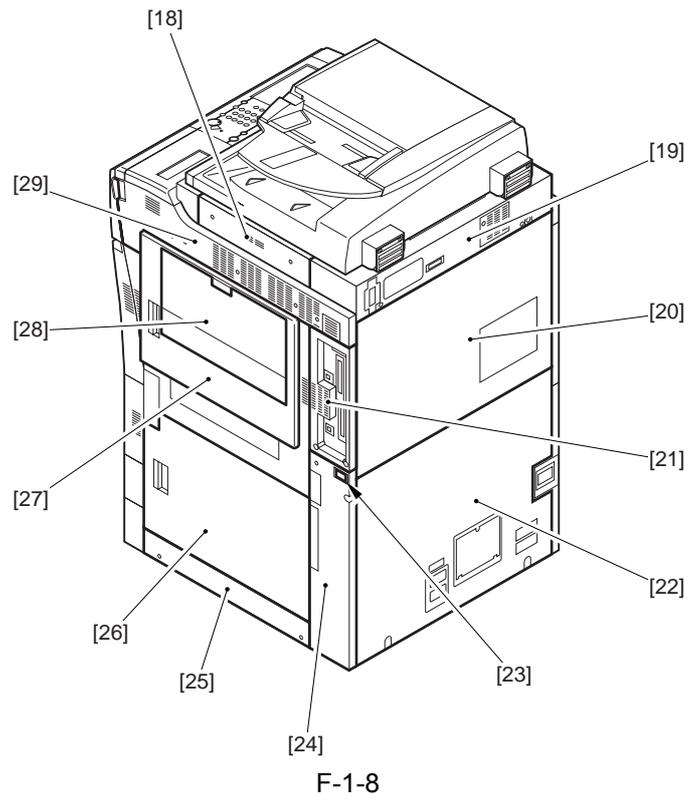
0009-4934

iR5570 / iR6570



F-1-7

- [1] Feeder
- [2] Control panel
- [3] Toner exchange cover
- [4] Front cover
- [5] Front right deck
- [6] Cassette 3
- [7] Cassette 4
- [8] Front left deck
- [9] Left cover (Lower)
- [10] Environment switch
- [11] Cassette heater switch
- [12] Breaker
- [13] Left cover (Middle)
- [14] Delivery cover
- [15] Left cover (Upper)
- [16] Reader left cover
- [17] Reader front cover



- [18]Reader right cover
- [19]Reader rear cover
- [20]Rear cover (Upper)
- [21]Right cover (Upper rear)
- [22]Rear cover (Lower)
- [23]Main power switch
- [24]Right cover (Lower rear)
- [25]Right cover (Lower)
- [26]Lower right cover
- [27]Manual feed tray cover
- [28]Manual feed tray
- [29]Right cover (Upper)

1.2 Unpacking and Installation

1.2.1 Points to Note Before

Starting the Work 0008-8038

iR5570 / iR6570

Keep the following in mind when installing the machine:



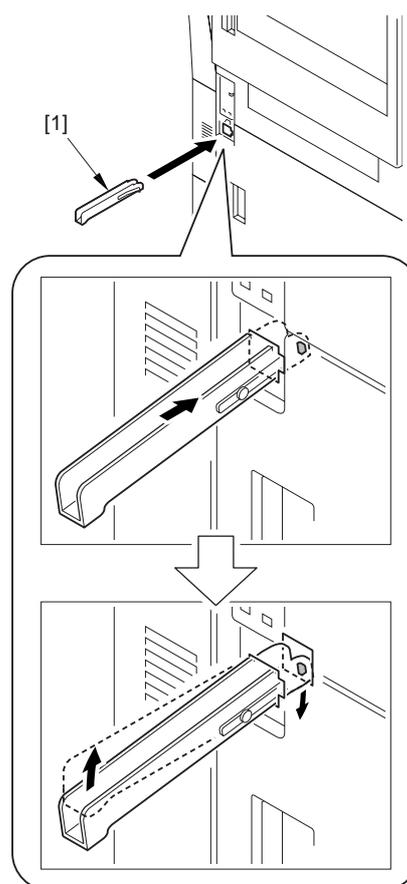
1. If the machine is moved from a cold to a warm place for installation, condensation can develop in its pickup/feeding assembly, causing image faults. To avoid the condensation, leave the machine unpacked for 1 hr or more so that it will be fully used to the room temperature. (The term condensation refers to the phenomenon that occurs on a metal surface when it is brought from a cold to warm location as the result of rapidly cooled vapor. It is seen as droplets of water on the metal surface.
2. When carrying the machine into/out of the site, if it is required to go up/down the stairs, be aware the following.
 - 1) Remove the ADF assembly, Fixing feeder unit and Duplexing unit from the main body, and carry them into/out of the site separately from the main body.
 - 2) Lift the machine with the four corners at the bottom, not with right and left grips (3 grips).
 - 3) The machine weighs about 215kg. Be sure to lift the machine in a group of 4.
3. Be sure to work for installation in a group of 3 or more, especially when removing the pad, one person each at the rear and the front will hold the grip, and another person will remove the pad and the bottom plate.

1.2.2 Unpacking

0008-7933

iR5570 / iR6570

- 1) Open the shipping box, and remove the plastic covers.
- 2) Open the cardboard box attached, take a grip [1] out of the box, and put it into the front of pickup assembly.



F-1-9



Be sure to put the stopper of grip in a downward direction into the machine. If it is in reversed, the grip may disengage from the main body when it is lifted.

- 3) Hold the two grips at the delivery assembly (front/rear), and lift the main body with them slightly

enough to remove the pad. (The machine weight:
Approx. 215kg)



F-1-10

- 4) Hold the two grips at the pick-up assembly (front/rear), and lift the main body with them slightly enough to remove the pad.



F-1-11

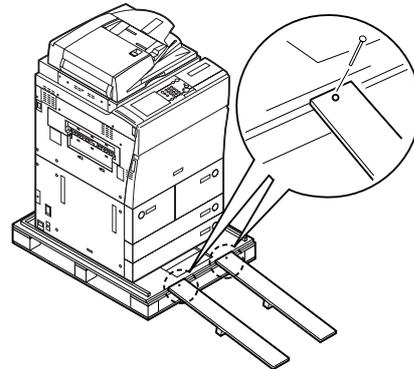
- 5) Remove the cardboard box on the skid, and take out the two slope plates, which have been stored in the center of skid.



If it is difficult to take out the slope plates, move the main body to the trailing edge of the skid.

- 6) Turn the slope plates upside down, match the

pinholes of the skid to those of the slope plates, and inlet the pin to the hole respectively.



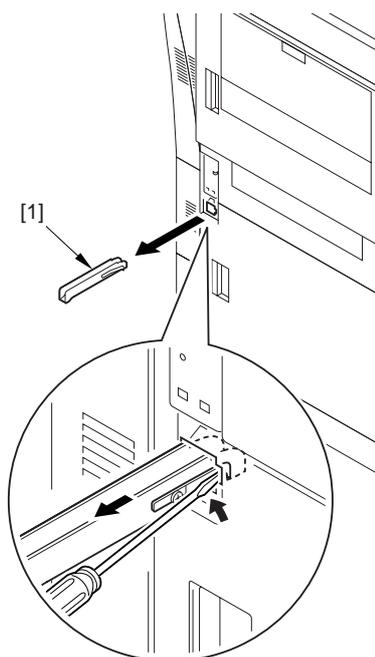
F-1-12

- 7) Hold the two grips (front/rear) of the main body, slide the main body on the slopes, and take it down from the skid.



Be aware that the wheels will not be dropped out of the skid.

- 8) Remove the grips attached using an appropriate tool (e.g.: a flat-blade screwdriver) while pushing the leaf spring.



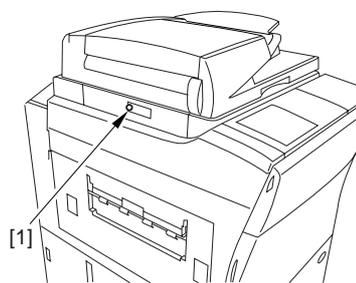
F-1-13

- 9) Remove the tape from the machine.
- 10) Check to see if all accessories are contained in the cardboard box that comes with the machine.

1.2.3 Installing the Scanner 0008-7942

iR5570 / iR6570

- 1) Open the ADF and eliminate the packaging materials.
- 2) Remove the scanner screw [1].



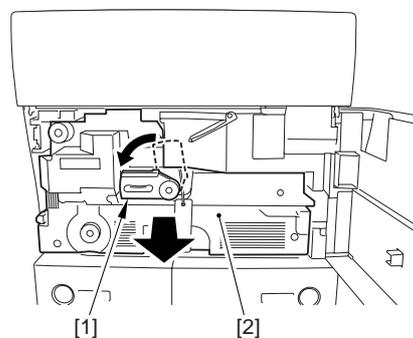
F-1-14

Be sure to have the user keep the scanner screw since it is used when the machine is moved.

1.2.4 Installing the Fixing Assembly 0008-7946

iR5570 / iR6570

- 1) Turn the fixing feeder assembly release lever [1] in the direction of the arrow (left) to release the transfer/separation corona assembly. Slide out the fixing feeder unit [2] to the front.



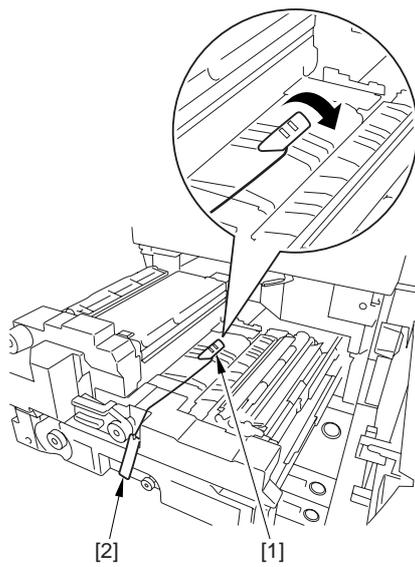
F-1-15

- 2) Remove the separation claw release component [1] and the tag [2] on the fixing feeder assembly.



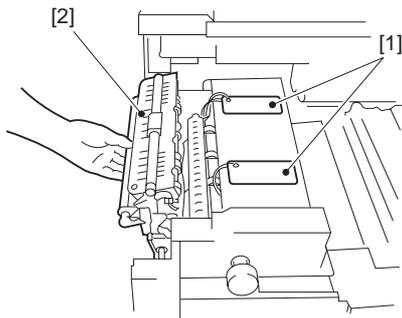
Remove foreign matter, such as an adhesive or tape on the feeder belt.





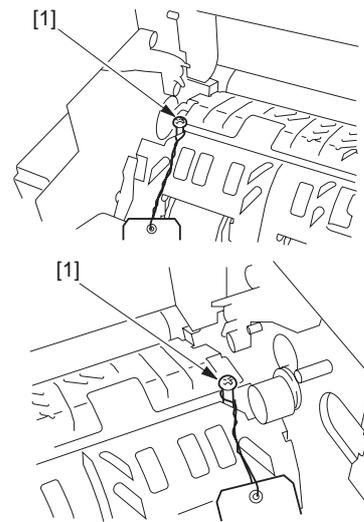
F-1-16

3) Remove the retaining tape of the tag [1] and open the fixing delivery assembly [2].



F-1-17

4) Remove the two nip pressure release screws [2] connecting to the cable of tag.



F-1-18

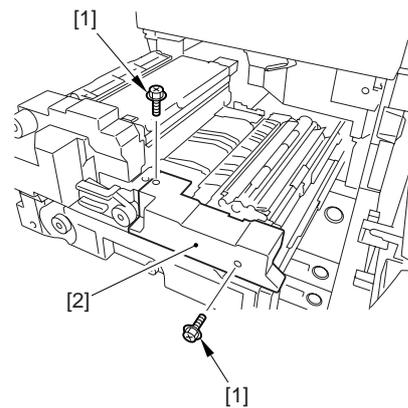
5) Close the fixing delivery assembly

1.2.5 Checking the Corona Assembly and the Dust-proofing Glass

0008-7948

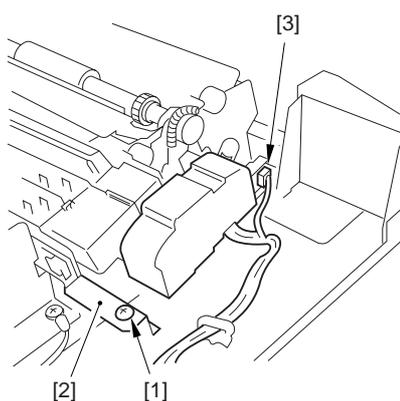
iR5570 / iR6570

1) Detach the feeder assembly front cover (Right) [2] using the two screws [1].



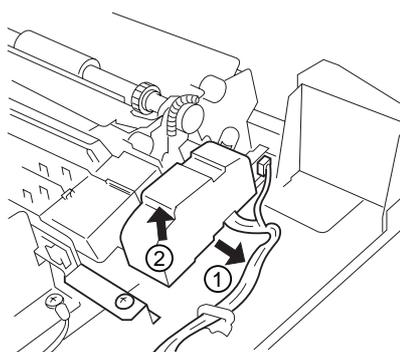
F-1-19

2) Remove the screw [1] and the fixture [2], and then remove the connector [3].



F-1-20

- 3) Pushing the front and the rear of the transfer/separation corona assembly, pull out the assembly to the front and remove it in the direction of upper left.



F-1-21

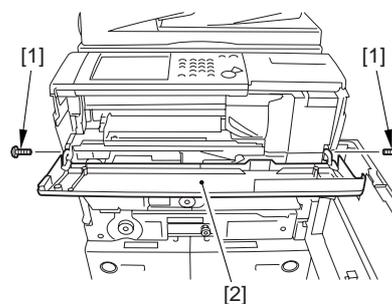


Be aware not to cut the nylon wire by coming into contact the transfer/separation corona assembly to the transfer guide.

- 4) Check the transfer/separation corona assembly, if dirt or paper dust adhere to the assembly, clean it using alcohol
- 5) Mount the assembly in reverse order from removing and fix it.
- 6) Attach the feeder assembly front cover (Right) using the two screws, and slide the fixing feeder assembly and the duplexing unit into the machine.

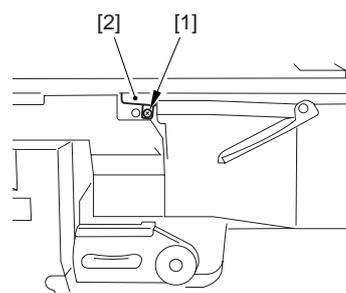
(The fixing feeder assembly release lever remains released.)

- 7) Open the toner supply cover.
- 8) Remove the toner supply cover [2] using the two screws [1].



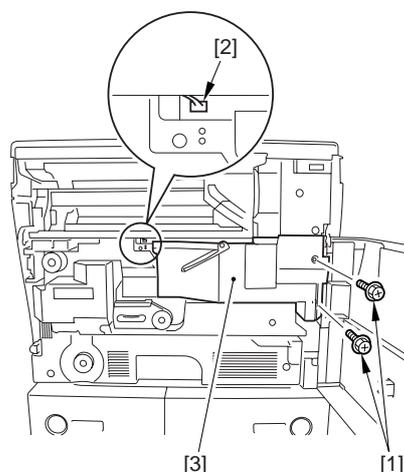
F-1-22

- 9) Remove the connector cover [2] using the screw [1].



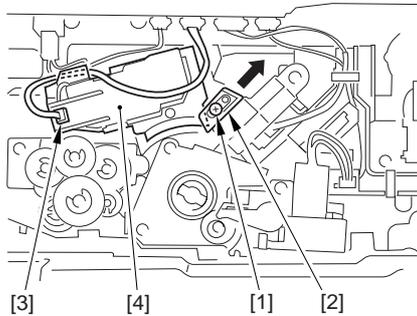
F-1-23

- 10) Remove the two screws [1] and the connector [2], and pull out the primary fan duct [3].



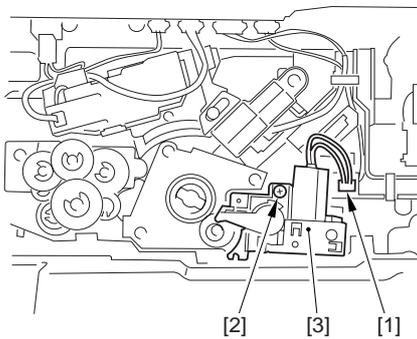
F-1-24

- 11) Loosen the screw [1], move the corona assembly fixture [2] to the direction of the arrow (upper right), and fix again.
- 12) Remove the connector [3] and pull out the primary corona assembly [4].



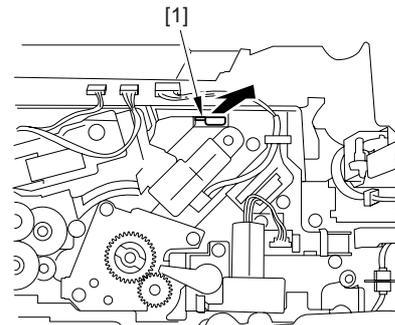
F-1-25

- 13) Check the primary corona assembly, if dirt or paper dust adheres to the assembly, clean it using alcohol.
- 14) Remove the connector [1], unscrew the screw [2], and pull out the pre-transfer corona assembly [3].



F-1-26

- 15) Check the pre-transfer corona assemblies, if dirt or paper dust adheres to the assembly, clean it using a solvent, 'Alcohol solution'.
- 16) Detach the dustproof glass [1].



F-1-27

- 17) Check the dustproof glass, if necessary, clean it using the blower brush.
- 18) Insert the primary corona assembly, the pre-transfer corona assembly, and the dustproof glass into the machine in reverse order from removing and fix them.



1. When using a solvent for cleaning, make sure that the parts become dry completely.
2. When inserting the pre-transfer corona assembly into the machine, be sure that it stays horizontal to the process unit to avoid scratching the surface of the drum.
3. Make sure that the one-way arm of the pre-transfer corona assembly is located on the eccentric cam.

- 19) Perform the procedures of 7) to 10) in reverse order, lock the fixing feeder assembly release lever, and close the front cover.



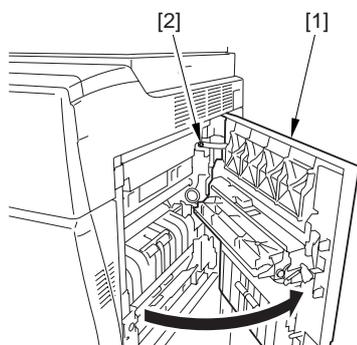
When mounting the primary fan duct, make sure to inlet the connector.

1.2.6 Installing the Developing Assembly

0008-7955

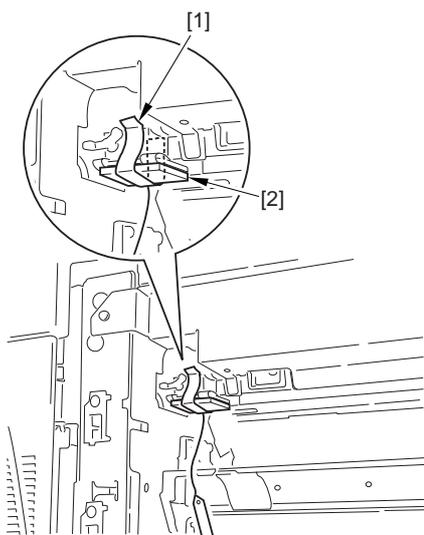
iR5570 / iR6570

- 1) Open the manual feed tray cover [1], remove the screw [2] from the door tape, and fully open the manual feed tray cover [1]



F-1-28

- 2) Remove the tape [1] and detach the hopper supply mouth cover [2].

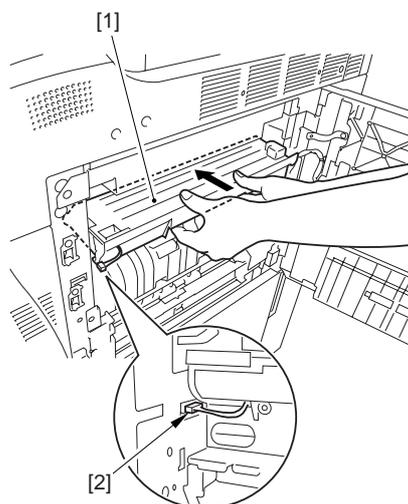


F-1-29

- 3) Take out the developing assembly from the packing box.
- 4) Turn the developing cylinder gear with a hand, and check to see if there is any breakage on the cylinder.
- 5) Holding the central part (the pocket for handle) of the developing assembly [1], insert the assembly to the machine, and inlet the connector [2].

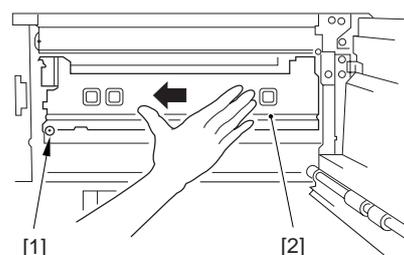


When mounting the developing assembly, be aware to keep the developing cylinder from contact with the sheet metal of the developing assembly support.



F-1-30

- 6) Insert the right side (Rear) of the developer pressure unit [2] in the package, and then insert the left side (Front) keeping the unit in a horizontal position. Fix the unit using the truss head screw (M4 x 6) [1] in the package.



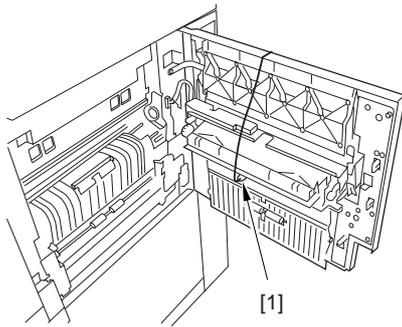
F-1-31

1.2.7 Installing the Pick-up Assembly

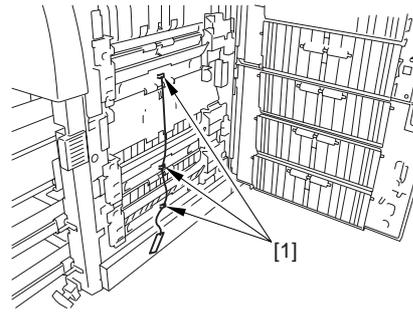
0008-7967

iR5570 / iR6570

- 1) Remove the pick-up roller pressure release spacer [1].



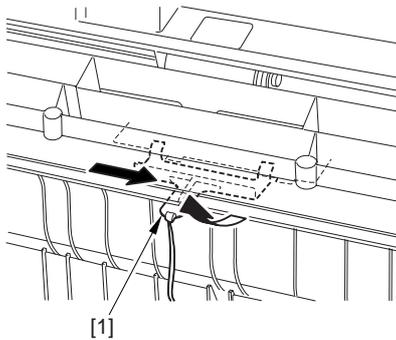
F-1-32



F-1-34



When removing the spacer, move it to the right and pull it out lifting the front side.



F-1-33

2) Pull out the half of the right deck and the cassette, open the lower right cover, and remove the pick-up roller pressure release spacers [1] for the right deck, the third, and the fourth cassette.

Reference:

The spacers are removed by pulling out the half of the deck/cassette because the spacers are pressured and difficult to be removed if the deck/cassette remain set.

- 3) After removing the spacers, close the deck/cassette and the lower right cover.
- 4) Attach the door tape of the manual feed tray cover using the screw, and close the tray cover.

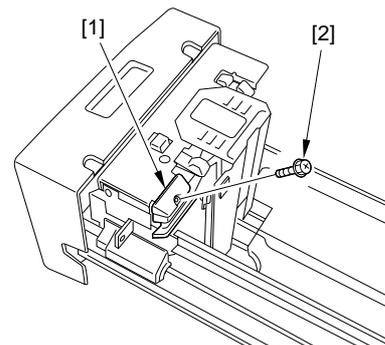
1.2.8 Installing the Deck

Pressure Plate

0008-8062

iR5570 / iR6570

- 1) Press the release button of the left deck, and pull out the left deck.
- 2) Mount the deck pressure plate [1] in the package using the RS screw [2], which is also in the package.



F-1-35

- 3) Close the left deck.

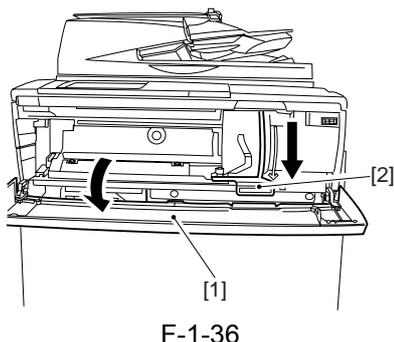
1.2.9 Setting Up the Toner

Bottle

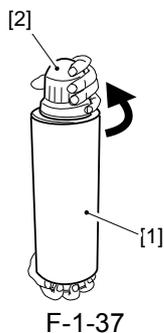
0008-8101

iR5570 / iR6570

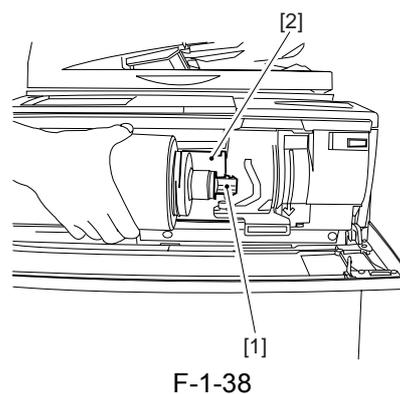
- 1) Take out the toner bottle from the packing box.
- 2) Open the toner supply cover [1], and push down on the lock lever [2].



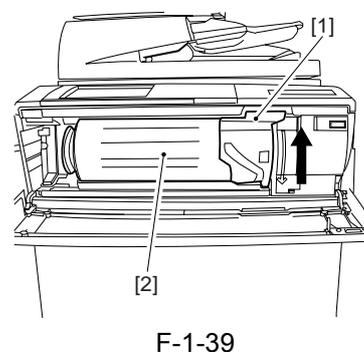
- 3) Holding the toner bottle [1] as shown in below, turn the cap [2] to the direction of the arrow, and remove the cap from the toner bottle.



- 4) Hold the toner bottle with its mouth [1] to right, keeping in a horizontal position, set it to the supply case [2] in the machine.



- 5) Pull up the lock lever [1] upward and fix the toner bottle [2].



- 6) Close the toner supply cover.



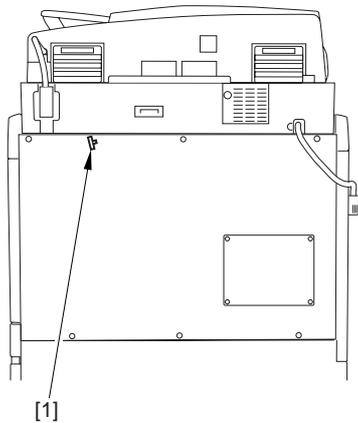
When the main power turns on in the state that the toner bottle has not been set in the machine, the toner remaining meter will be displayed as 'less than 25%' on the control panel. Thereby, make sure that the toner bottle is set in the machine before turning on the switch of the main power.

1.2.10 Connecting the Reader Communication Cable

0009-4282

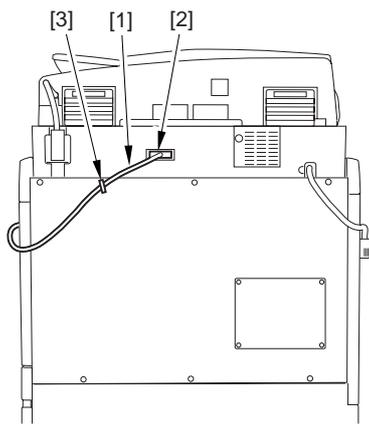
iR5570 / iR6570

- 1) Attach the cable clip [1] in the package to the upper rear cover.



F-1-40

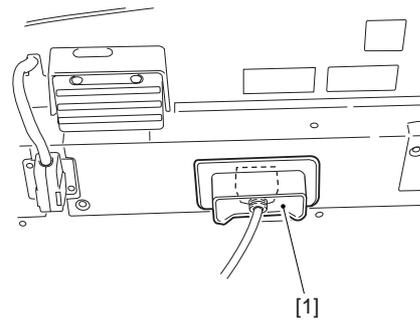
- 2) Connect the reader communication cable [1] to the reader unit [2], and clip the cable using the cable clip [3].



F-1-41



When the clearance between the machine and the wall is tight, be sure to mount the cable cover [1] (FB6-6210) of service part.



F-1-42

1.2.11 Checking the Environment Switch

0008-8102

iR5570 / iR6570

- 1) Set the environment switch [1] and the cassette heater switch [2] depending on the installation environment. In the event the drum/cassette heater is necessary to turn on when turning the main power off, set it using the following two switches.

1. Environment switch: The switch for the drum heater and the all night setting.

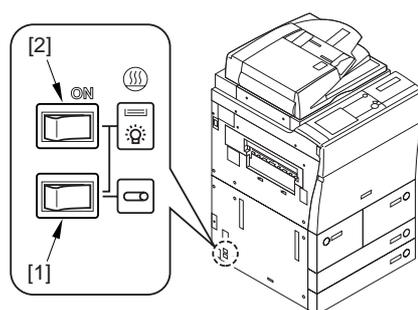
ON: The heater is left turned on when the main power switch turns off/on.

OFF: The heater turns on only when the main power switch turns on.

2. Cassette heater switch

ON: The heater turns on when the main power switch turns on. However, when the environment switch turns on, the heater is always left turned on.

OFF: The heater is always left turned off.



F-1-43

1.2.12 Turning on the Main

Power

0008-8066

iR5570 / iR6570



Before turning on the main power, make sure to eliminate the packing materials in the cassette.

- 1) Pull out the duplexing unit and make sure that there is no foreign matter or damage.
- 2) Make sure that the main power switch turns off, and connect the power plug to the power outlet.
- 3) Turn on the main power switch.
 - The indication of loading programs appears.
 - The message [Wait...]Is displayed.



How to turn off the main power:

When turning off the main power, follow the procedure below in order to protect the hard disk of the machine.

1. Press the power switch on the control panel for 3 sec or more.
2. Operate the touch panel following the instruction display for the shut down sequence so that the main power switch can be ready for turning off.
3. Turn off the main power switch.

1.2.13 Stirring the Toner

0008-8071

iR5570 / iR6570

After waiting until the machine is ready for operation, supply the toner from the hopper to the developing unit by operating in service mode.

- 1) Start service mode. (Press the '*' key, '2' and '8' at the same time, and the * key once again.)
- 2) Make the following selections:
COPIER>FUNCTION>INSTALL>TONER-S.
- 3) Make sure that the message, 'CHECK THE DEVELOPER' appears.
- 4) Check to see if the developing assembly is properly locked in place, and press the OK key.
 - The supplying operation will last for about 8min to 10min, after which the operation stops automatically.
 - Perform the cassette setting before the toner supplying operation is completed. (Refer to the cassette setting.)



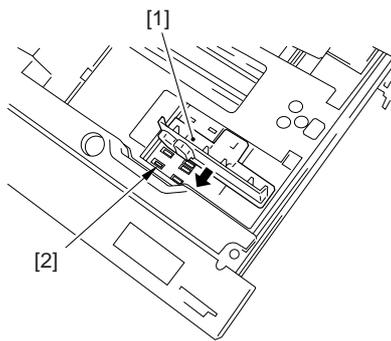
Do not turn the power off during the operation.

1.2.14 Setting the Cassette

0008-8103

iR5570 / iR6570

- 1) Press the cassette releasing button, and slide out the cassette to the front.
- 2) Set the side guide plate [1] of each cassette to the hole (A4/A3) of the stamp M [2].

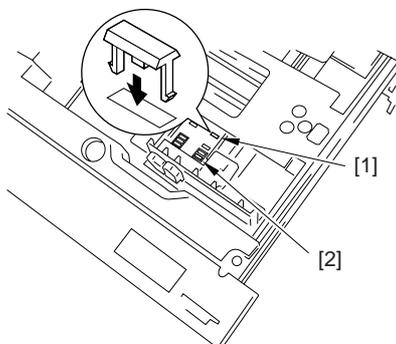


F-1-44

- 3) Mount the non-inch spacer in the package from the inside of the cassette so that the hole (STMT-R) of the stamp A [1] and the hole (LTR-R) of the stamp H [2] are covered.



- Be sure to mount the spacer to keep in contact with the cassette.
- This procedure should be conducted only when Inch size paper is not used.



F-1-45

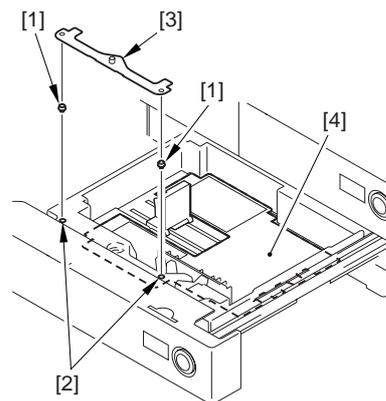
- 4) Check with the user to find out the size of paper to use, and set the paper size of each cassette, and attach the size label to the cassette size plate.
- 5) Slide the cassettes into the machine.

1.2.15 Index Paper Attachment

0009-6944

iR5570 / iR6570

- 1) Decide on either cassette 3 or 4 for use for index paper.
Press the releasing button for the cassette, and slide it out to the front.
Match the 2 one-touch supports [1] against the holes [2] in the cassette; then, push in the pins to fix them in place.
- 2) Place the index paper attachment [3] by matching its holes against the one-touch supports [1].
- 3) Fit the base sheet [6] in the cassette.
Slid out the cassette.



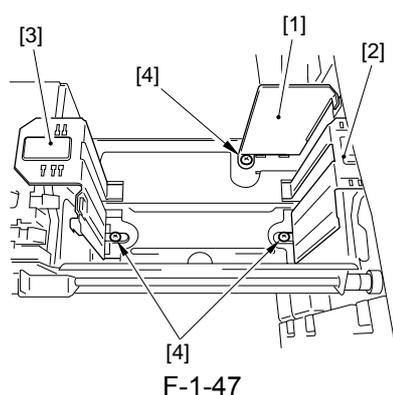
F-1-46

1.2.16 Changing Paper Size of the Front Deck (Left/Right)

0008-8104

iR5570 / iR6570

- 1) Press the release button to draw out the deck.
- 2) Remove the screws [4] of the end plate [1], left plate [2], and right plate [3]. Adjust these plates to a paper size requested by user, and fix them.
Default: A4 size
After changing the size, put back the deck to the machine.



F-1-47

- 3) Attach a new paper size label to the paper size plate of the deck.
- 4) After changing the size, register the new paper size of the front deck in service mode.

Right deck: COPIER>OPTION>CST>P-SZ-C1

Left deck: COPIER>OPTION>CST>P-SZ-C2

A4=6,B5=15,LTR=18

1.2.17 Checking Images/

Operations, User Mode [0008-8105](tel:0008-8105)

iR5570 / iR6570

- 1) Press the reset key twice to go back to the main screen. Check copying operations and images using the test sheet.
 - Copying operation: Make sure that copying operation is normal.
 - 2-sided copying operation: Make sure that paper feed in the duplexing unit is normal.
 - Pickup operation: Make sure that paper pickup from each cassette is normal.
 - Operating sound: Make sure that abnormal sound is not generated.
 - Fixed copy ratio: Check a copy image on a fixed ratio basis.
 - Multiple copying: Make sure that the specified number of copies is normally made.
 - Make sure that images on paper picked up from the cassettes/decks are within the following specs.

The specs have the following 2 types:

Side registration (margin at the left edge of image):
2.5±1.5mm

Leading edge registration (margin at the leading edge of image): 4.0+1.5mm/-1.0mm

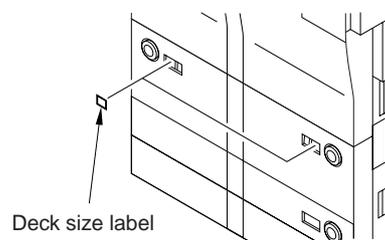
Refer to [Adjusting Side Registration] or [Adjusting Leading Edge Registration] if a result is out of specs.

* If image density differs between left and right of a copy, adjust the height of the rear of the primary corona wire to correct.



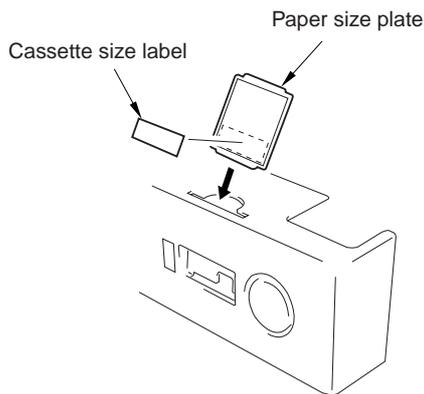
The approx. first 10 copies may get soiled due to toner dropped from the drum separation claw. However, this will not occur as copies are made.

- 2) Set standard mode in user mode/service mode upon request by user.
- 3) Load paper in the right/left deck.
- 4) Put back the right/left deck to the machine. Peel an appropriate deck size label from the size label (cassette/deck) board, and attach it to the paper size plate of the deck.



F-1-48

- 5) Press the release button to draw out the cassettes 3/4.
- 6) Peel an appropriate cassette size label from the size label (cassette/deck) board, and attach it to the paper size plate of the cassette. Set the paper size plate to the cassette cover.



F-1-49

7) Put back each cassette to the machine.

1.2.18 Adjusting Side Registration

0008-8557

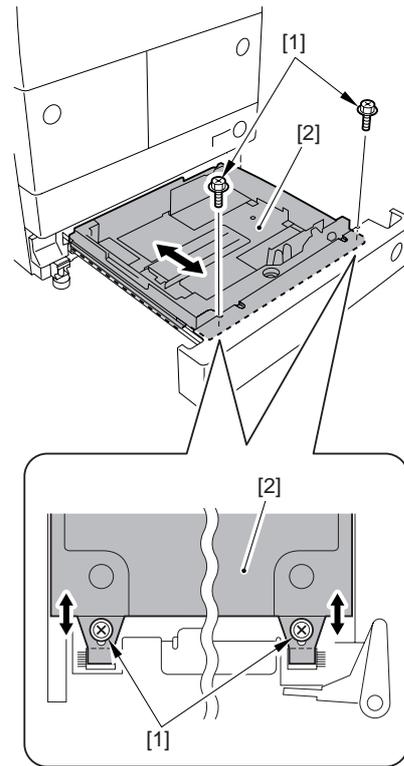
iR5570 / iR6570

<Cassette 3/4>

- 1) Press the release button to draw out the cassette 3/4.
- 2) Loosen the 2 fixing screws [1] on both sides of the cassette.
- 3) Move the cassette body forward or backward to adjust.

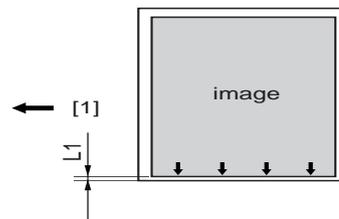
Backward: The side registration value (left margin) is decreased.

Frontward: The side registration value (left margin) is increased.



F-1-50

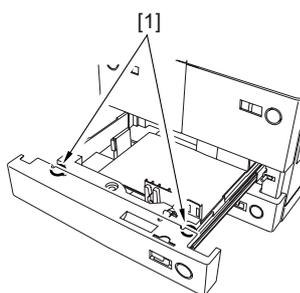
- 4) Make sure that the side registration values (left margins) of a copy made from the cassette 3/4 are $L1 = 2.5 \pm 1.5\text{mm}$ respectively.



F-1-51

[1] Paper feed direction

- 5) Tighten back the 2 fixing screws [1] after the adjustment.



F-1-52

- 6) Put back the cassette 3/4 to the machine.
- 7) Perform the following service mode after the adjustment.

Cassette 3

COPIER > FUNCTION > CST > C3-STMTR/A4R
Use it to register the paper width basic value of the cassette 3.

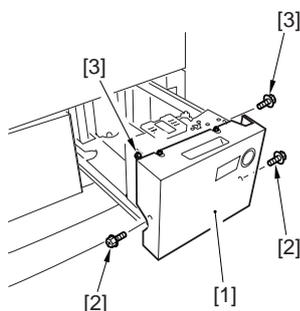
- 1) Put STMTR/A4R paper in the cassette3, and adjust the slide guide plate to the width.
- 2) Select C3-STMTR/A4R to highlight, and press the OK key so that the machine executes auto adjustment and register the value.

Cassette 4

COPIER > FUNCTION > CST > C4-STMTR/A4R
This operation is similar to cassette 3.

<Front Deck Left/Right>

- 1) Press the release button to draw out the front deck left/right.
- 2) Loosen the 2 screws [2] and 2 fixing screws [3] of the deck front cover [1].



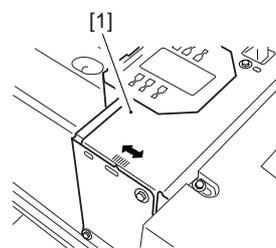
F-1-53

- 3) Move the cassette plate (front) [1] forward or

backward to adjust.

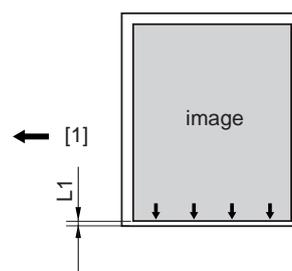
Backward: The side registration value (left margin) is decreased.

Forward: The side registration value (left margin) is increased.



F-1-54

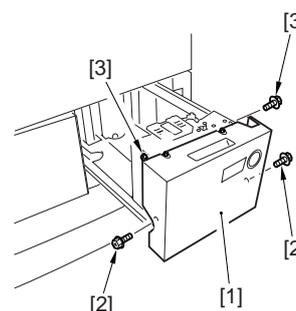
- 4) Make sure that the side registration values (left and right margins) of a copy made from the front deck left/right are $L1 = 2.5 \pm 1.5\text{mm}$ respectively.



F-1-55

[1] Paper feed direction

- 5) Tighten the 2 screws [2] and 2 fixing screws [3] of the deck front cover [1].

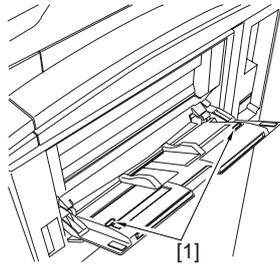


F-1-56

- 6) Put back the front deck left/right to the machine.

<Manual Feed Tray>

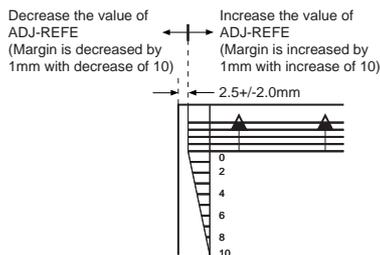
- 1) Move the side plates [1] to the center. Loosen the 2 mounting screws [2] of the manual feed tray, and adjust the position of the manual feed tray.



F-1-57

<Duplexing Feeder Unit>

- 1) Select the following service mode COPIER > ADJUST > FEED-ADJ > ADJ-REFE, and make an adjustment so that margin on the 2nd side image will be within specs.



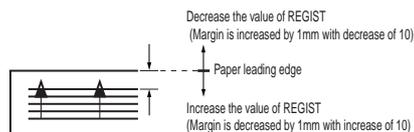
F-1-58

1.2.19 Adjusting Leading Edge Registration

0008-8559

iR5570 / iR6570

- 1) Select the following service mode COPIER > ADJUST > FEED-ADJ > REGIST, and make an adjustment so that margin will be within specs.



F-1-59

1.2.20 Getting the Machine

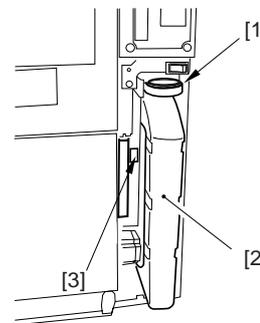
Ready for Installation

0008-8111

iR5570 / iR6570

<Storing the drum rotation tool and grip>

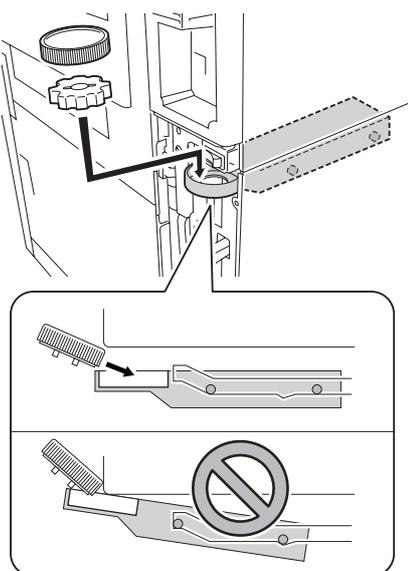
- 1) Remove the 2 screws, and detach the right rear bottom cover; store the parts below.
 1. Drum rotation tool [1]: Store it inside the waste toner case cap in the hole of the drawer grip at the top of the waste toner case [2].
 2. Grip (included in the package): Store it in the grip storage area [3].



F-1-60



The drum rotation tool and the cap cannot be stored if the drawer grip is fully drawn out. Therefore, draw out the grip in moderation as shown the fig. below.

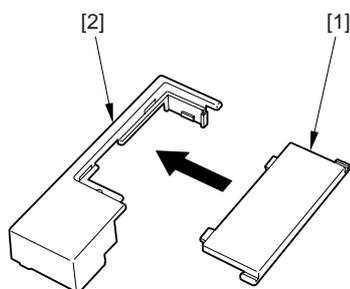


F-1-61

- 2) Attach the right rear bottom cover with the 2 screws.

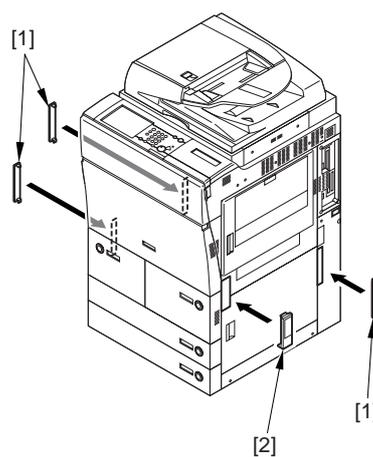
<Attaching the grip cover>

- 1) Attach the grip cover (small) [1] to the latch blanking cover [2].



F-1-62

- 2) Attach the 3 grip covers (large) [1] and the cover [2] assembled in step 1) to the machine.



F-1-63

<Attaching the service book holder>

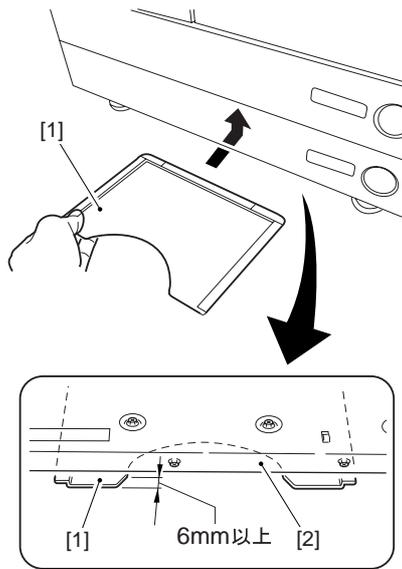
- 1) Remove the double-faced tape at the back of the service book holder [1], and attach the holder to the bottom of the machine.



Points to Note

When attaching the service book holder to the machine, 6mm or more space must be ensured between the front of the bottom sheet metal [2] and the front of the service book holder. If the paper deck is attached afterward without the space, the paper deck rail hits the service book holder.

When attaching the paper deck at the same time, be sure to attach the paper deck before the service book holder.



F-1-64

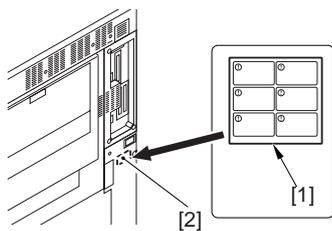


Prohibited area of affixation

- Inside the machine (inside the front cover)
- The area blocking the louver
- The area blocking the grip

<Attaching the Shut-Down Warning Label>

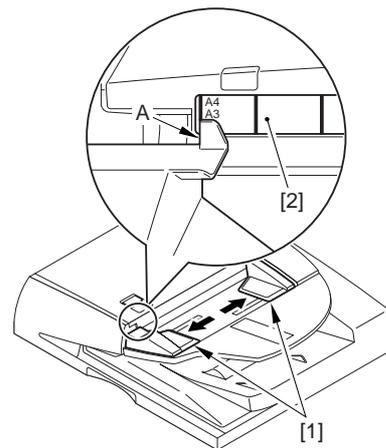
- 1) Pick out the Shut-Down Warning Label [1] prepared in the appropriate language, and attach it to the bottom left side [3] of the main power switch [2] of the machine's right cover (lower rear).



F-1-65

<Attaching the document size label>

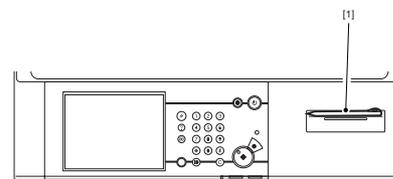
- 1) Widen the document size plates [1] to the A4/A3 position, and attach the label while matching the part A of the document size plate [1] with the A4/A3 position of the ADF size label [2].



F-1-66

<Mounting the Touch Pen>

- 1) Set the touch pen on the control panel.



F-1-67

<Steps after the machine gets ready for installation>

- 1) Refer to the Installation Manual included with each option if attaching the options such as the sorter.
- 2) Clean up around the machine.
- 3) Move the machine to the installation site, and fix the machine with the 2 adjusters.
Reference: Use a driver if the adjusters cannot be rotated by hand.
- 4) Enter requirements in the service book, and store it in the service book holder.

1.3 Checking the Connection to the Network

1.3.1 Overview

0008-8560

iR5570 / iR6570

Perform this procedure only when connecting the machine to networks.

If user's network environment is TCP/IP, make sure using Ping that the network settings are properly made.

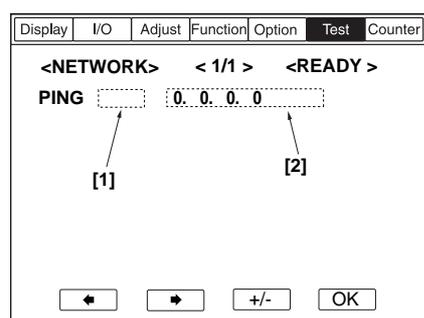
If user's network environment is IPX/SPX or Apple Talk, you don't need to perform this procedure.

1.3.2 Ping Operating Procedure

0008-8561

iR5570 / iR6570

- 1) Select the following service mode COPIER>TEST>NETWORK>PING, and select PING.
 - 2) Enter the IP address using the numeric keys on the control panel, and press OK.
 - 3) Press the start key.
- OK is displayed if Ping succeeds, but NG is displayed if it ends in failure.



F-1-68

[1] Result (OK/NG)

[2] IP address entry

1.3.3 Checking with Remote Host Address

0008-8562

iR5570 / iR6570

You can check whether a network connection is available by executing Ping using the remote host address.

Remote host address: IP address of PC connecting to/operating under TCP/IP network environment to which the machine is connected.

- 1) Tell a system administrator that you will check a network connection using Ping.
- 2) Ask the system administrator about the remote host address.
- 3) Enter the remote host address in PING.

- 4) If OK is displayed, it means that the machine is properly connected to networks.
- 5) If NG is displayed, it means that the machine is not properly connected to networks. Perform the following troubleshooting.

1.4 Troubleshooting the Network

1.4.1 Overview

0008-8563

iR5570 / iR6570

Perform this procedure only when connecting the machine to networks.

If the machine fails to be connected to networks, any of the following causes is probable.

- a. Connection failure between networks and the machine
- b. TCP/IP setting failure of the machine
- c. User network failure
- d. Main controller PCB failure

The detailed check methods are as follows.

1.4.2 Checking with Loopback Address

0008-8564

iR5570 / iR6570

The loopback address returns before the network controller. Therefore, you can check whether TCP/IP settings of the machine are appropriate by executing Ping with this address.

1) Enter the loopback address (127.0.0.1) in PING.

- If NG is displayed, check TCP/IP settings of the machine again, and re-execute Ping.
- If OK is displayed, perform the next check.

1.4.3 Checking with Local Host Address

0008-8565

iR5570 / iR6570

The local host address is the IP address of the machine. Since the local host address returns in response to the network controller by executing Ping with the address, you can check whether the network controller (main controller PCB) is in a normal condition.

1) Enter the IP address of the machine in PING.

If NG is displayed, take the following actions, and re-execute Ping.

- IP address error of the machine: Check to see again if the IP address settings of the machine are appropriate. Ask the system administrator whether the allocated IP address is valid.
- Failure in the main controller PCB: Replace the main controller PCB

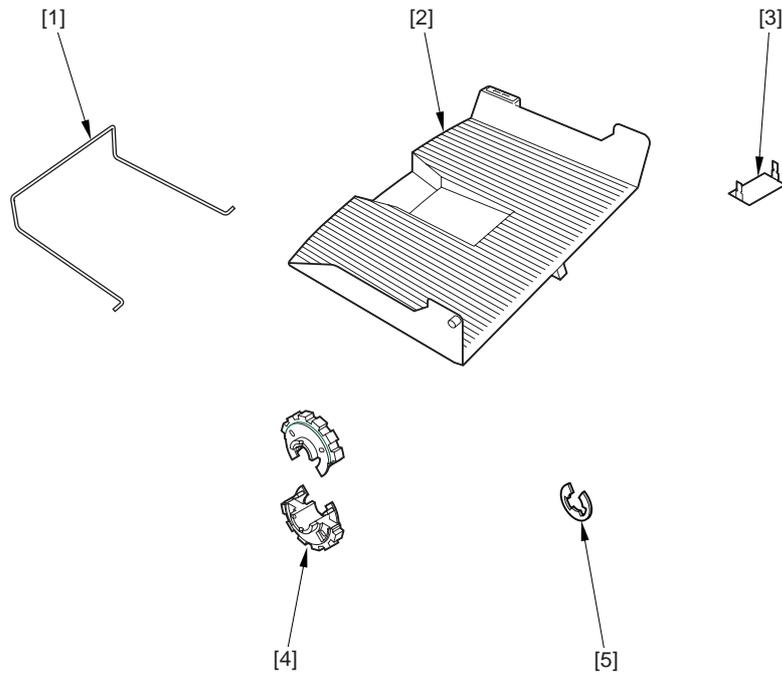
If OK is displayed, a cause may be user's network environment. Inform the system administrator of the current situation, and ask for measures.

1.5 Installing the Copy Tray

1.5.1 Checking the Contents

0009-4378

iR5570 / iR6570



F-1-69

T-1-4

[1]	Delivery Bar	1 pc.
[2]	Delivery Tray	1 pc.
[3]	Magnet Catch	1 pc.
[4]	delivery roll	2 pc.
[5]	E ring	1 pc.

1.5.2 Turning Off the Host Machine

0009-4207

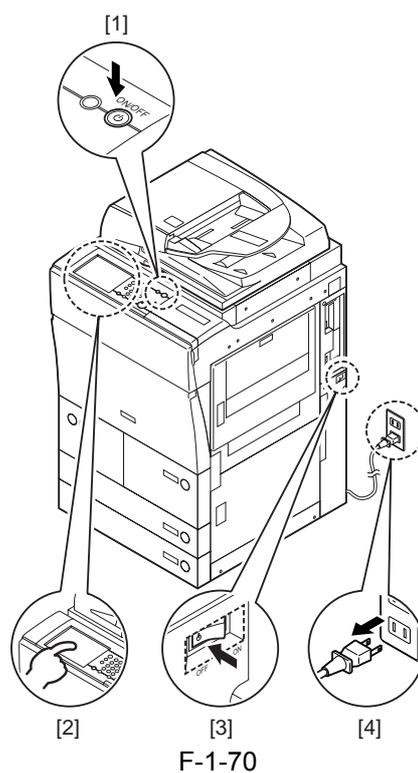
iR5570 / iR6570



Turning Off the Main Power

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

1. Hold down on the power switch on the control panel for 3 sec or more.
2. Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (for the power outlet).



1.5.3 Installation Procedure for the Copy Tray-L1

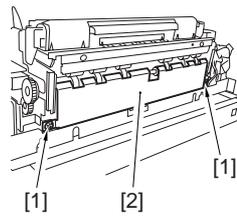
0009-2248

iR5570 / iR6570



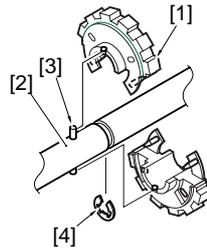
When attaching the copy tray to the machine, be sure to attach the delivery roll to the center of the delivery roller. When attaching the shift tray or the finisher to the machine, however, do not perform the following steps.

- 1) Open the front cover, and draw out the fixing feeder unit. Remove the 2 screws [1], and detach the delivery roller guide [2].

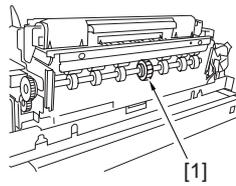


F-1-71

2) Fit the delivery roll [1] to the center pin [3] of the delivery roller [2] to attach, and fix the delivery roll with the E ring [4].



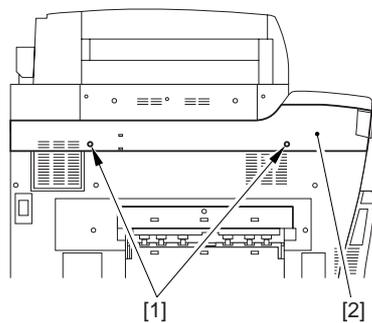
F-1-72



F-1-73

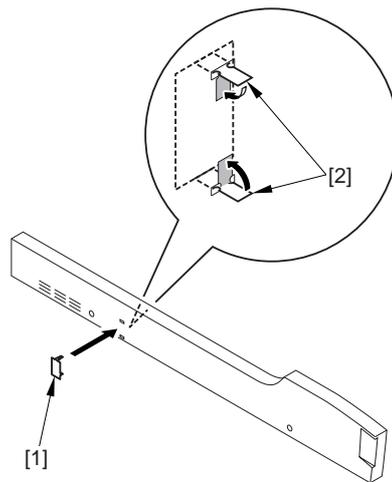
3) Attach the delivery roller guide with the 2 screws, and push the fixing feeder unit inside the machine. Close the front cover.

4) Remove the 2 screws [1], and detach the left cover (upper) [2].



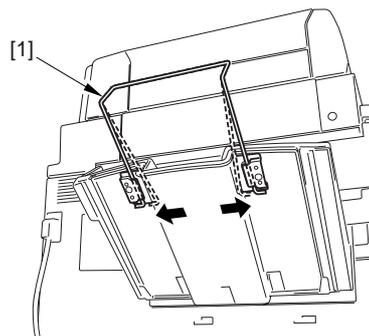
F-1-74

5) Attach the left magnet catch [1] to the left cover (upper), and bend the claws [2] of the magnet catch in the direction of arrows.



F-1-75

- 6) Attach the left cover (upper) with the 2 screws.
- 7) Attach the copy tray.
- 8) Attach the delivery bar [1].



F-1-76

1.6 Installing the Card Reader

1.6.1 Installation Procedure for the Card Reader

0009-2172

iR5570 / iR6570



The Card Reader Attachment-C2 is required to install the card reader.

1.6.2 Checking the Contents

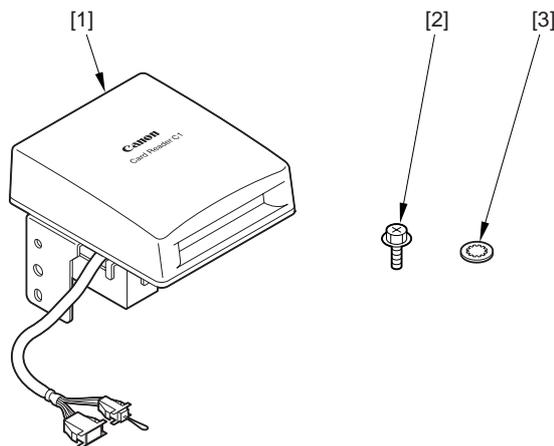
0009-2174

iR5570 / iR6570

<Card Reader-C1>

T-1-5

[1]	Card Reader-C1	1 pc.
[2]	RS Tightening Screw (M4x10)	1 pc.
[3]	Binding Washer	1 pc.

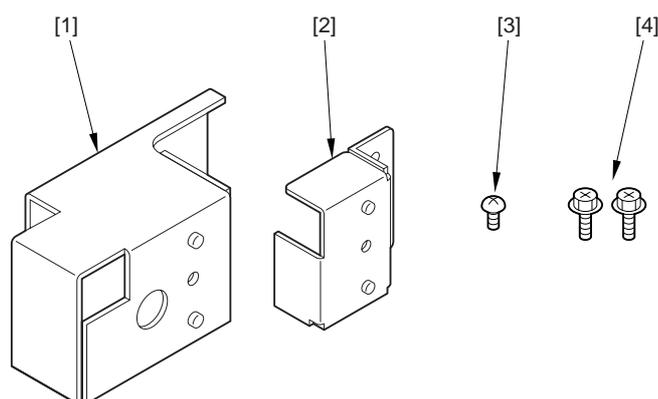


F-1-77

<Card Reader Attachment-C2>

T-1-6

[1]	Card Reader Mount	1 pc.
[2]	Joint Plate	1 pc.
[3]	Screw (M4x6)	1 pc.
[4]	RS Tightening Screw (M4x10)	2 pc.



F-1-78

1.6.3 Turning Off the Host Machine

0009-3050

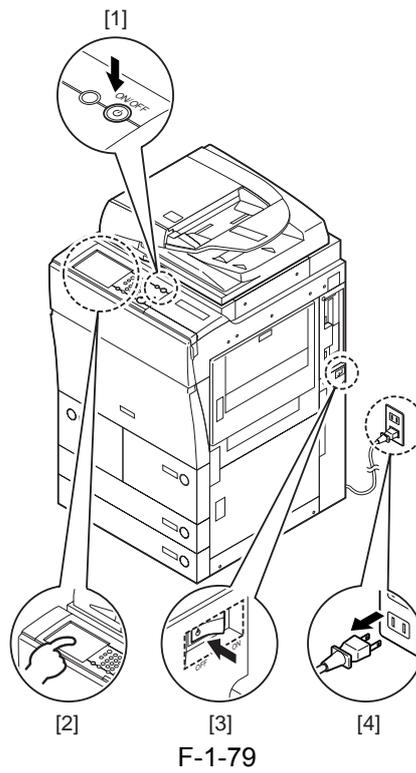
iR5570 / iR6570



Turning Off the Main Power

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

1. Hold down on the power switch on the control panel for 3 sec or more.
2. Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (for the power outlet).

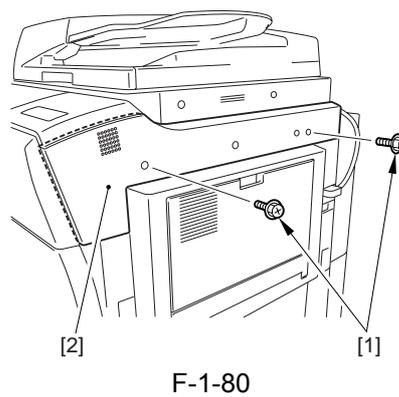


1.6.4 Installation Procedure

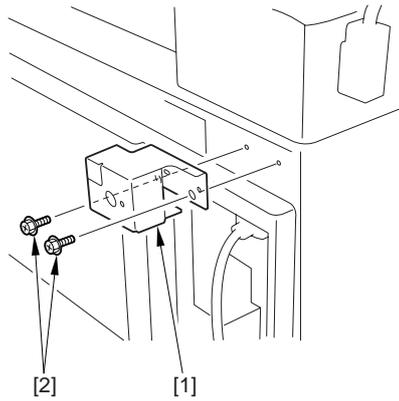
0009-2212

iR5570 / iR6570

1) Remove the 2 screws [1], and detach the right cover (upper) [2].

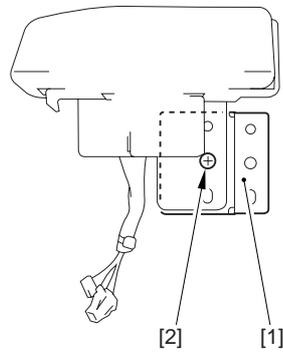


2) Attach the card reader mount [1] with the 2 screws [2] included in the package.



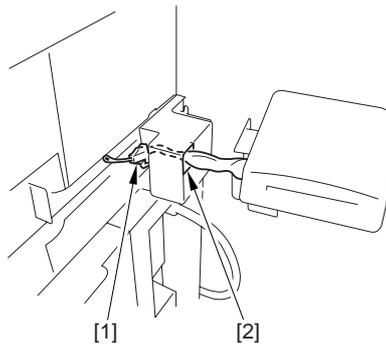
F-1-81

3) Attach the card reader to the joint plate [1] with the screw and binding washer [2] included in the package.



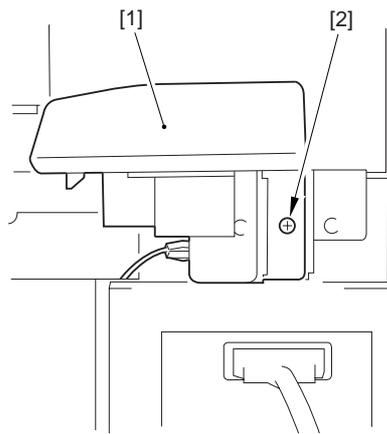
F-1-82

4) Pass the card reader cable [1] through the hole [2] of the card reader mount.



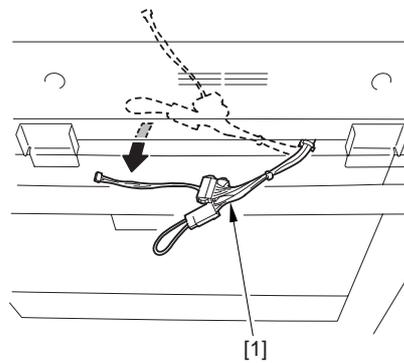
F-1-83

5) Attach the card reader with the joint plate attached [1] to the card reader mount using the screw [2] included in the package.



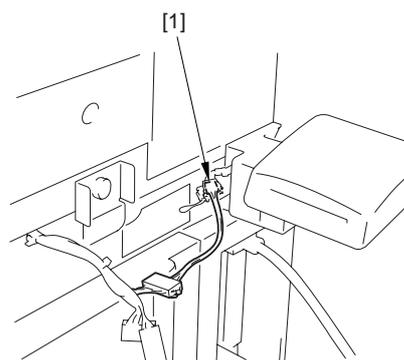
F-1-84

6) Detach the cable [1] from the machine.



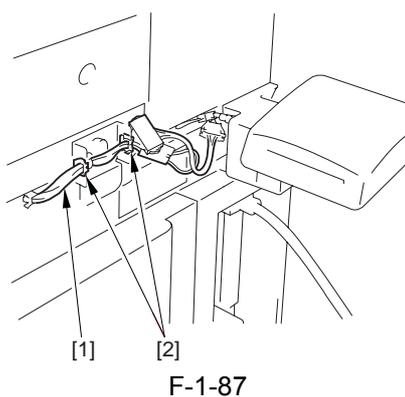
F-1-85

7) Connect the card reader cable to the connector [1].

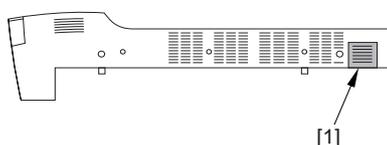


F-1-86

8) Pass the card reader cable [1] through the 2 clamps [2].



9) Cut off the area [1] of the right cover (upper) shown in the fig. below using nippers.



- 10) Attach back the right cover (upper) detached in step 1).
- 11) Connect the power cable to a receptacle.
- 12) Turn on the main power switch, and check the indication requesting for setting the control card.
- 13) Select the following service mode COPIER>FUNCTION>INSTALL>CARD, and enter the card number of use (1 to 2001).
 - Of the cards used by user, enter the minimum card number.
 - 1000 cards are available from the number entered.
- 14) Follow the instructions on the shutdown sequence screens to operate the touch panel, and turn off the main power switch.
- 15) Turn on the main power switch.
- 16) Insert the control card, and make sure that the machine becomes ready to copy.

1.7 Installing the NE Controller

1.7.1 Installing the NE Controller-A1

0009-2246

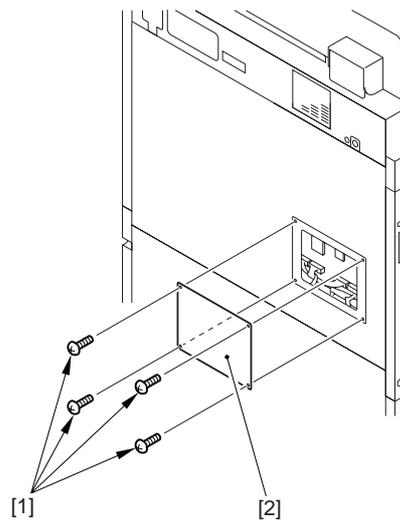
iR5570 / iR6570



The following are installation steps specific to iR6570/5570 series.

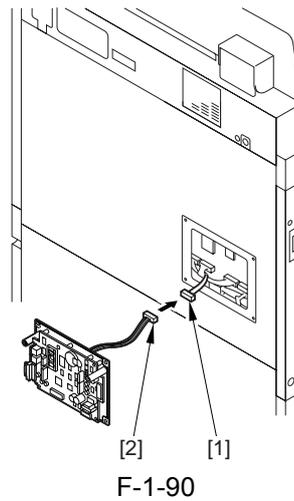
Refer to the Installation Manual included with the NE controller-A1 for various settings, operations check, and points to note.

- 1) Remove the upper cover of the controller (refer to the Installation Manual).
- 2) Connect the AC adapter plug to the controller (refer to the Installation Manual).
- 3) Remove the 4 screws [1], and detach the blanking plate [2] of the rear upper cover.

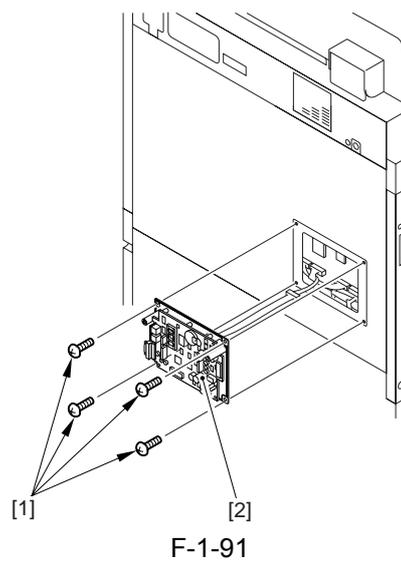


F-1-89

- 4) Draw out the cable [1] for the controller, and connect it to the controller cable [2].



- 5) Attach the controller [1] to the rear upper cover with the 4 screws [2]. (Use the screws included with the NE controller-A1.)



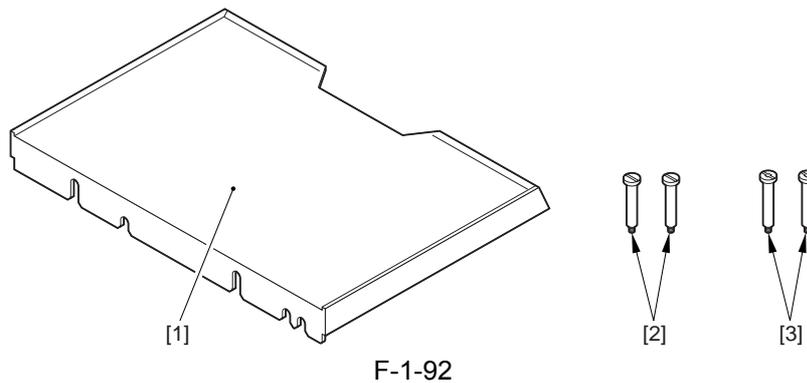
- 6) Refer to the Installation Manual for the NE controller-A1, and make various settings and check operations.

1.8 Installing the Original Holder

1.8.1 Checking the Contents

0009-2111

iR5570 / iR6570



F-1-92

T-1-7

- | | | |
|-----|--|--------|
| [1] | Document Tray | 1 pcs. |
| [2] | Stepped Screw (M4, approx. 31mm in length) | 2 pcs. |
| [3] | Stepped Screw (M4, approx. 33mm in length) | 2 pcs. |

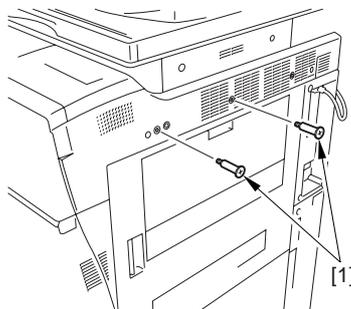
To attach the document tray.

1.8.2 Installation Procedure

0009-2170

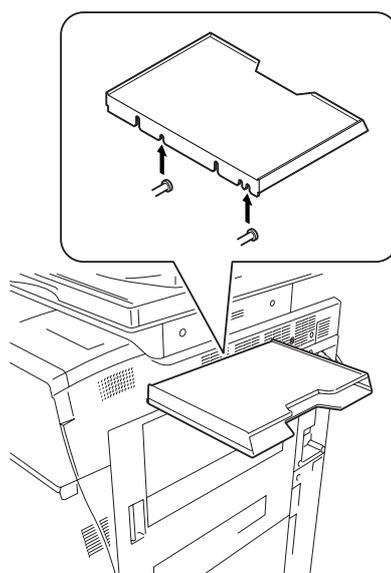
iR5570 / iR6570

1) Attach the 2 stepped screws [1] included in the package to the right upper cover.



F-1-93

2) Hook the document tray [1] on the stepped screws attached in step 1).



F-1-94



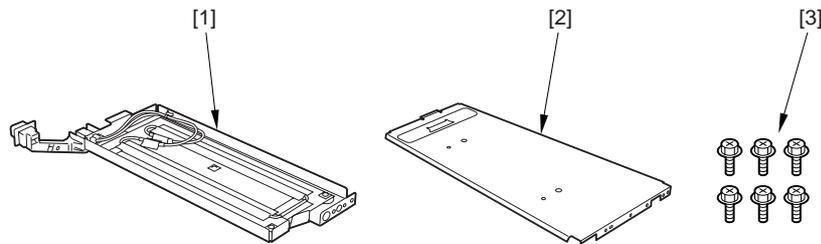
If it is difficult to attach the document table, loosen the 2 stepped screws once, and tighten them back after attaching the document tray.

1.9 Installing the Cassette Heater

1.9.1 Checking the Contents

0009-4368

iR5570 / iR6570



F-1-95

T-1-8

[1]	Heater Unit	FM2-4182-000	1 pc.
[2]	Cassette Stay	FB2-7052-000	1 pc.
[3]	Screws (M4x6)	XB1-2400-609	6 pc.

1.9.2 Turning Off the Host Machine

0009-4371

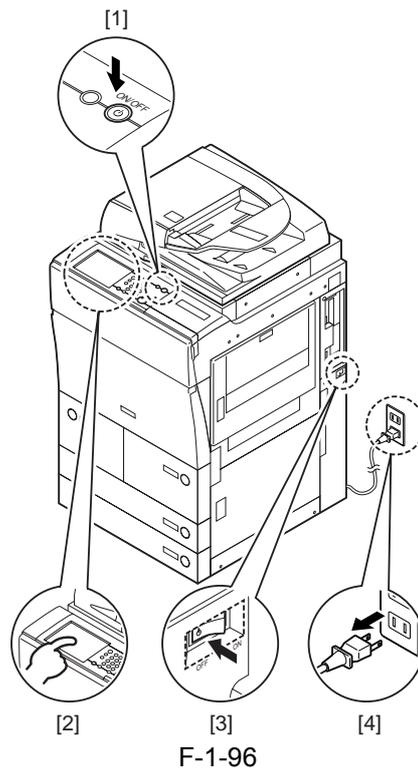
iR5570 / iR6570



Turning Off the Main Power

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

1. Hold down on the power switch on the control panel for 3 sec or more.
2. Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (for the power outlet).



1.9.3 Mounting the Cassette Heater

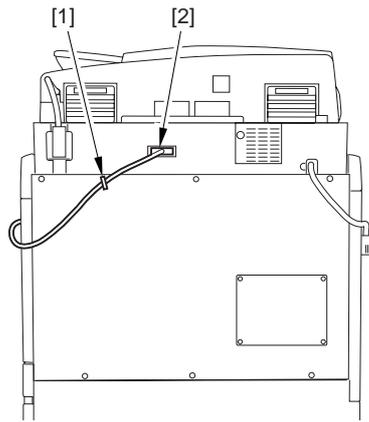
0009-2431

iR5570 / iR6570



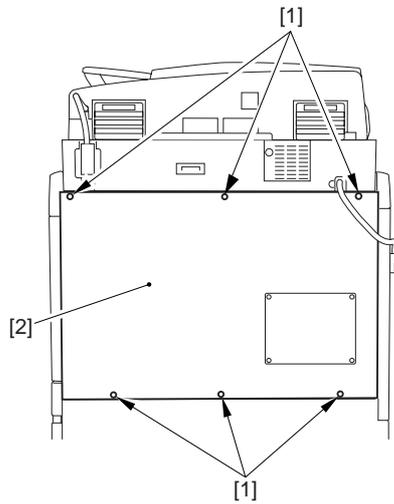
Be sure to disconnect the power plug before starting the work.

1) Open the cable clamp [1], and disconnect the reader unit communications cable [2].



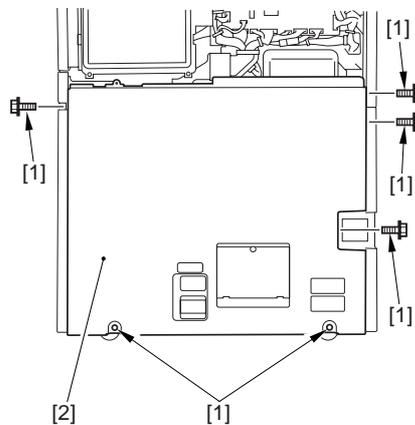
F-1-97

2) Remove the 6 screws [1], and detach the upper rear cover [2].



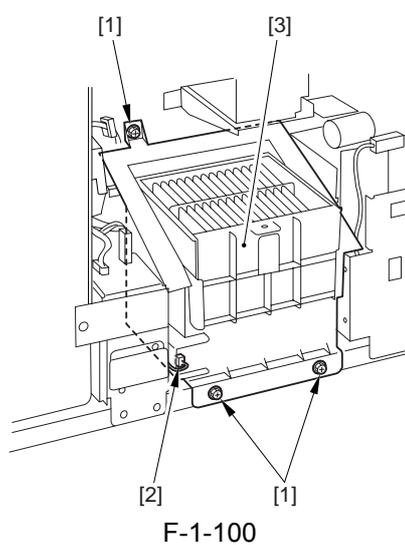
F-1-98

3) Remove the 6 screws [1], and detach the lower rear cover [2] from the bottom of the machine.

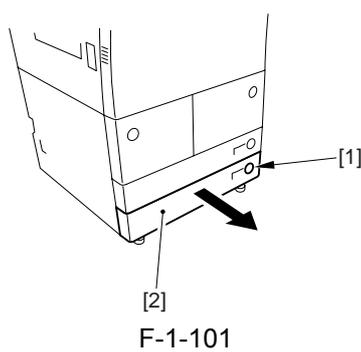


F-1-99

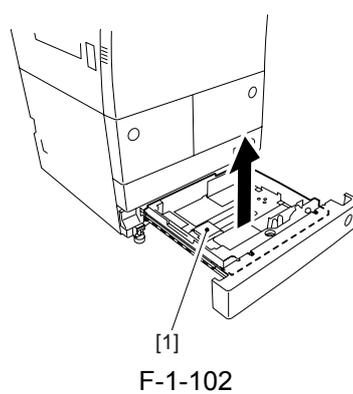
- 4) Remove the 3 screws [1], and disconnect the connector [2]; then, detach the heat discharge fan [3] together with the filter.



- 5) Press the release button [1], and slide out the cassette 4 [2].

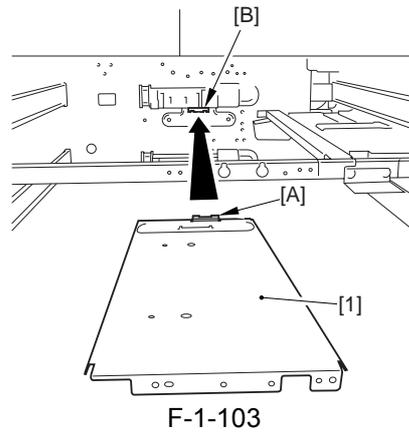


- 6) Lift the inside unit [1] of the cassette 4 to detach.

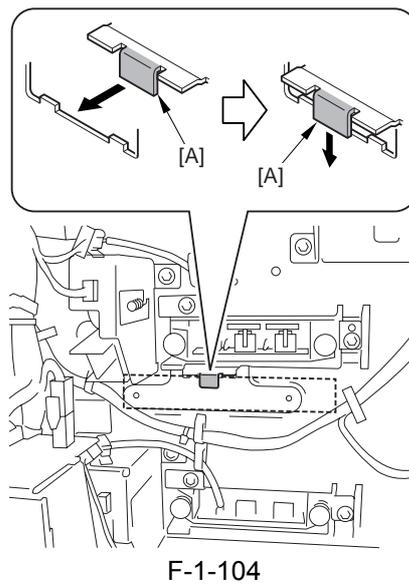


- 7) Likewise, detach the inside unit of the cassette 4.

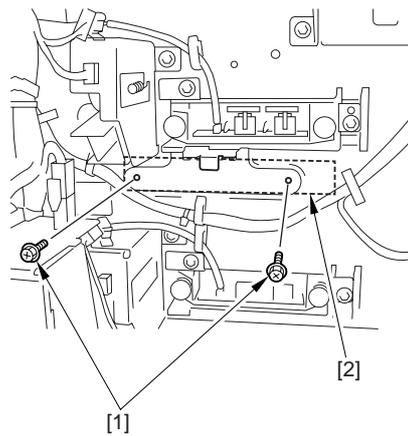
8) Hook the claw [A] found at the tip on the long hole [B] of the machine; then, fit the cassette stay [1] in place.



Check to make sure that the claw [A] of the cassette stay is securely in place from the machine rear.

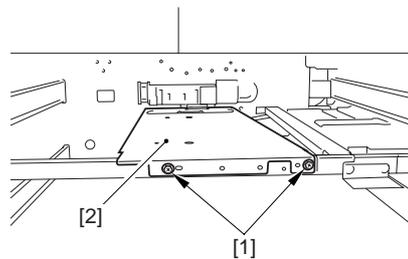


9) Secure the cassette stay [2] in place from the rear of the machine using 2 screws [1].



F-1-105

10) Secure the cassette stay [2] in place from the front of the machine using 2 screws [1].

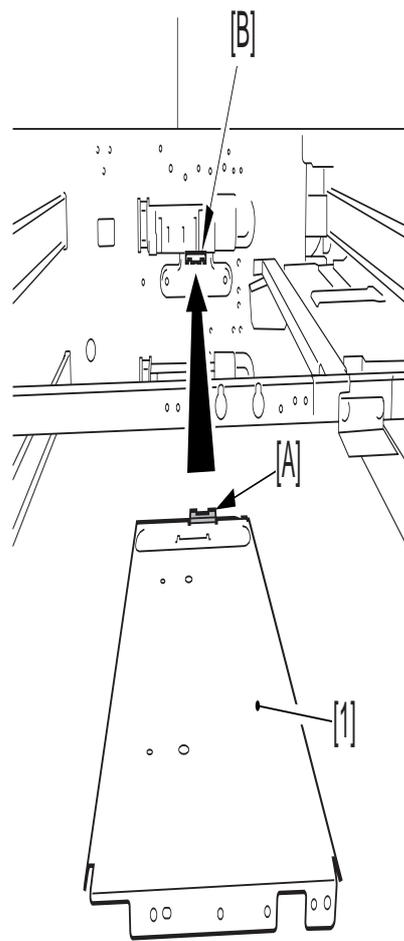


F-1-106

11) Lead the cassette heater connector [1] through the long hole [A]. At the same time, hook the metal plate [B] of the rear of the cassette heater [2] on the hole [C] of the cassette stay.

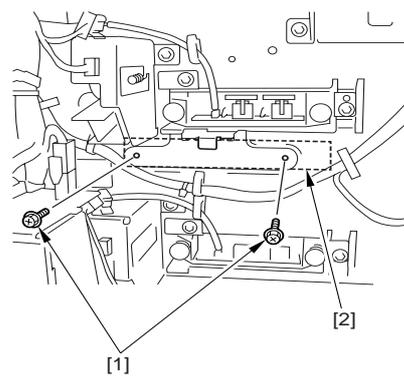


Check to make sure that the heater cord guide [3] is securely fitted in the long hole [A].



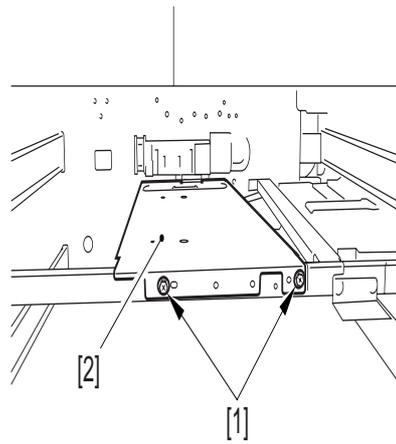
F-1-107

12) Lift the cassette heater [1] until it butts against the machine; then, secure it in place using the 2 included screws [2].



F-1-108

13) Connect the cassette heater connector [1] to the connector [2] of the machine.



F-1-109

- 14) Mount the removed delivery fan, filter, lower rear cover, upper rear cover, and reader unit communications cable back in place.
- 15) Fit the inside units back inside the cassettes; then, put the cassettes back in the machine.
- 16) Connect the power plug, and turn on the machine's main power switch.

Feb 21 2005

