

Installation Procedure

iR8500 Series

Canon

Jan 5 2005

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.

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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."

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Chapter 1 Installation Procedure

1.1 Making Pre-Checks

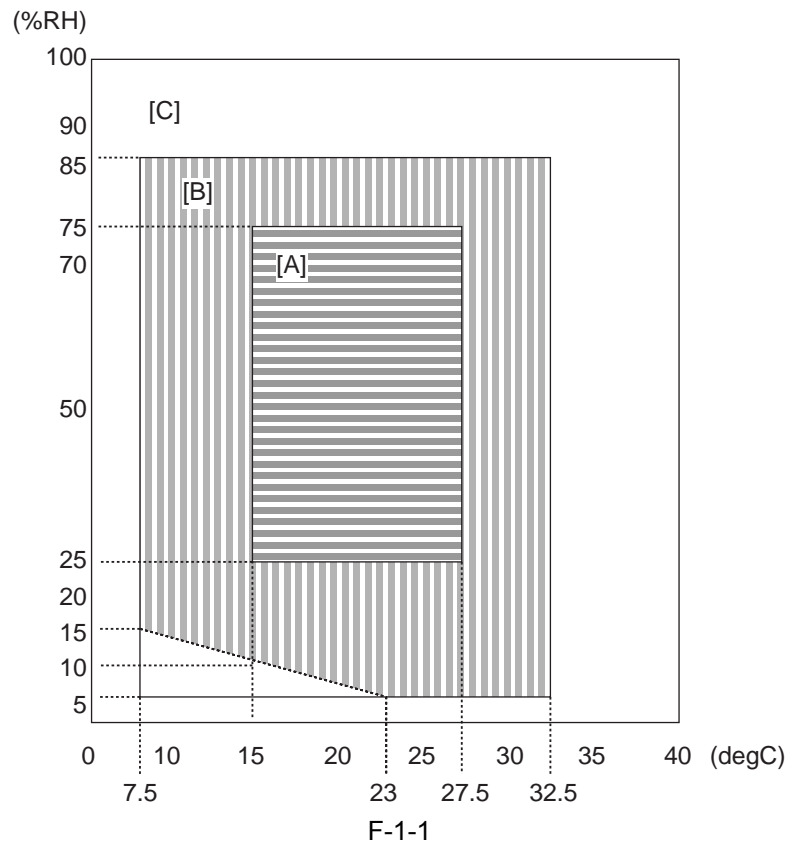
1.1.1 Selecting the site

0008-8679

iR105i/iR105+ / iR9070

The site of installation must meet the following requirements; if possible, visit the user's before delivery of the machine:

- 1) The site must provide with a power outlet that is rated to suit the machine and that can be used exclusively by the machine; 200V Model (180 to 220V, 15A or more), 208V Model (188 to 228V, 12A or more), 230V Model (198 to 264V, 13A or more).
- 2) Temperature and humidity must be within the extent of the following figure. Particularly, be sure to avoid areas near water faucets, water boilers, humidifiers, and refrigerators.



<Guaranteed Environment Zone>

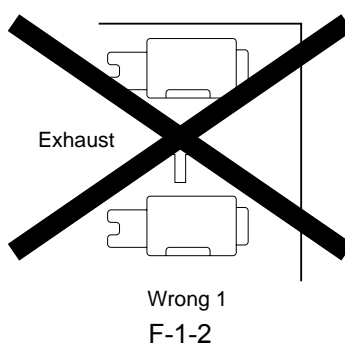
[A] Zone A: All items of the Quality Standard are satisfied.

[B] Zone B: In the Quality Standard, there are items that are inferior to Zone A or not satisfied.

[C] Zone C: There are no safety problems, no malfunctions, and no improper

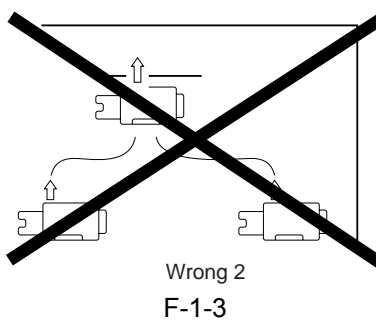
indications. Copying is performed properly.

- 3) The site must not be near a source of fire, subject to dust or ammonium gas, or exposed to direct rays of the sun. As necessary provide curtains.
- 4) The level of ozone generated by the machine will not affect the health of individuals around it. Some, however, may find its odor unpleasant as while remaining in contact with it for long hours. Be sure that the room is well ventilated.
- 5) Make sure that the feet of the machine will remain in contact with the floor, and the machine will be kept level.
- 6) Make sure that the machine will be at least 10 cm away from any walls, allowing enough space for work.
- 7) Make sure that the area is well ventilated. If multiple machines are installed, in particular, be sure that the exhaust of another will not be drawn by the machine. Be sure also not to install a machine near an air vent.



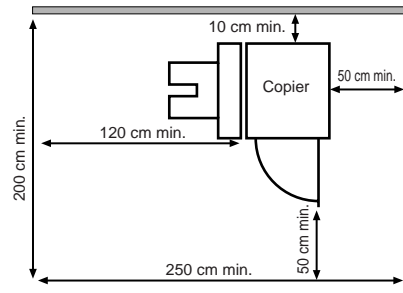
MEMO:

In general, the silicon gas (vapor of silicone oil from the fixing assembly) tends to soil the corona charging wire, reducing its life. This is particularly true of a low humidity environment.)

**Outline of the Work Space**

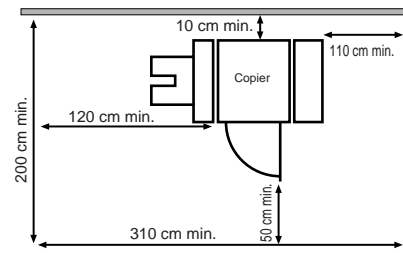
Use the following as a guide when considering space for service work:

- Copier + Finisher



F-1-4

- Copier + Finisher + Side Paper Deck



F-1-5

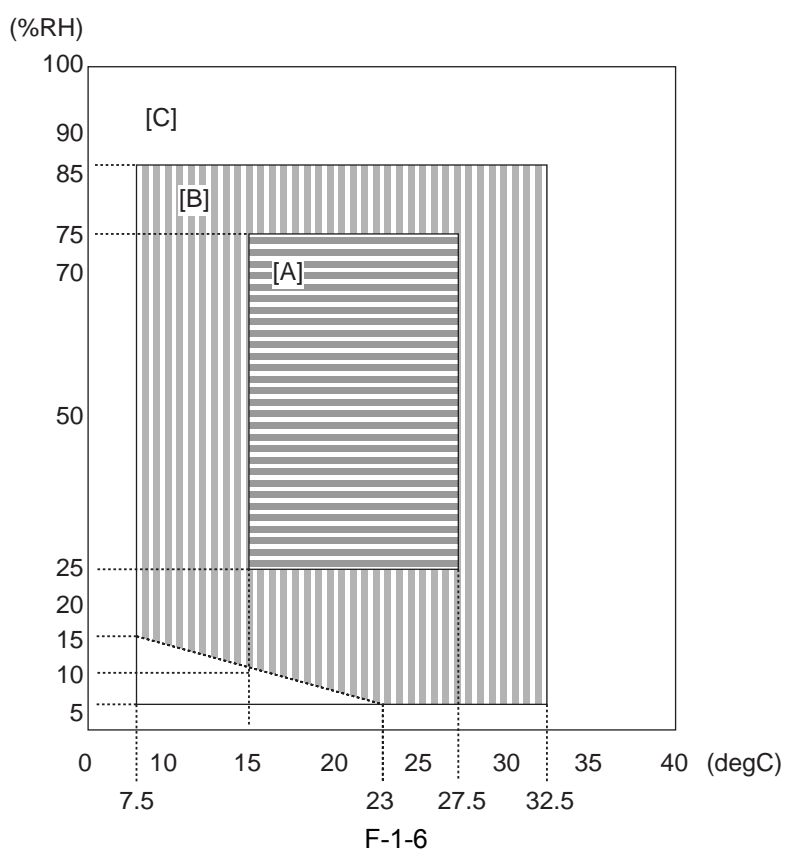
1.1.2 Selecting the site

0008-9635

/ iR8070

The site of installation must meet the following requirements; if possible, visit the user's before delivery of the machine:

- 1) The site must provide with a power outlet that is rated to suit the machine and that can be used exclusively by the machine; 100V Model (90 to 110V, 15A or more), 208V Model (188 to 228V, 12A or more), 230V Model (198 to 264V, 13A or more).
- 2) Temperature and humidity must be within the extent of the following figure. Particularly, be sure to avoid areas near water faucets, water boilers, humidifiers, and refrigerators.



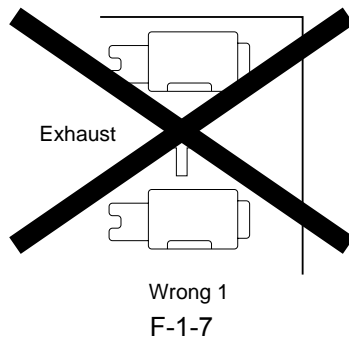
<Guaranteed Environment Zone>

[A] Zone A: All items of the Quality Standard are satisfied.

[B] Zone B: In the Quality Standard, there are items that are inferior to Zone A or not satisfied.

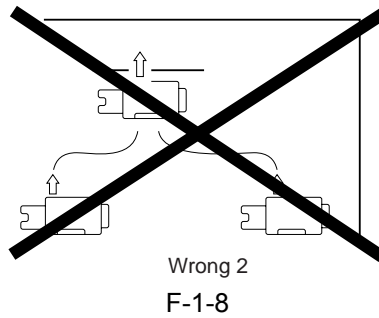
[C] Zone C: There are no safety problems, no malfunctions, and no improper indications. Copying is performed properly.

- 3) The site must not be near a source of fire, subject to dust or ammonium gas, or exposed to direct rays of the sun. As necessary provide curtains.
- 4) The level of ozone generated by the machine will not affect the health of individuals around it. Some, however, may find its odor unpleasant as while remaining in contact with it for long hours. Be sure that the room is well ventilated.
- 5) Make sure that the feet of the machine will remain in contact with the floor, and the machine will be kept level.
- 6) Make sure that the machine will be at least 10 cm away from any walls, allowing enough space for work.
- 7) Make sure that the area is well ventilated. If multiple machines are installed, in particular, be sure that the exhaust of another will not be drawn by the machine. Be sure also not to install a machine near an air vent.



MEMO:

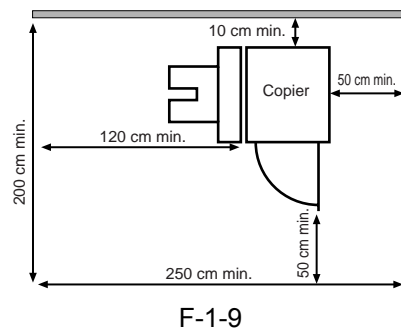
In general, the silicon gas (vapor of silicone oil from the fixing assembly) tends to soil the corona charging wire, reducing its life. This is particularly true of a low humidity environment.)



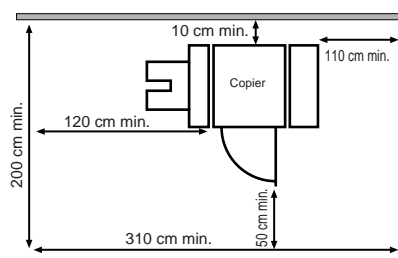
Outline of the Work Space

Use the following as a guide when considering space for service work:

- Copier + Finisher



- Copier + Finisher + Side Paper Deck



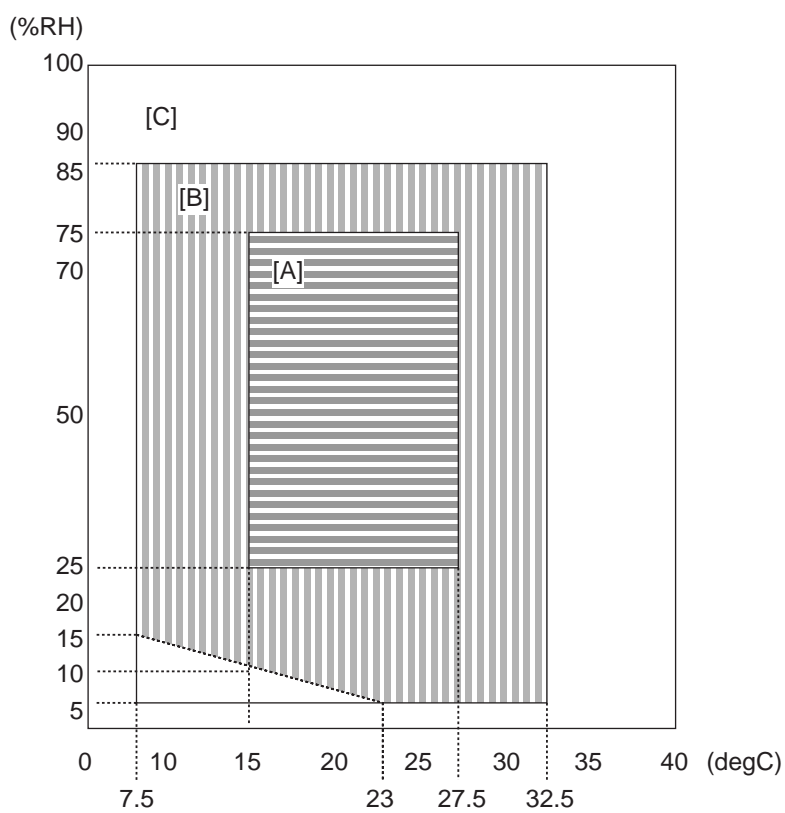
F-1-10

1.1.3 Selecting the site

0008-9638

The site of installation must meet the following requirements; if possible, visit the user's before delivery of the machine:

- 1) The site must provide with a power outlet that is rated to suit the machine and that can be used exclusively by the machine; 100V Model (90 to 110V, 20A or more), 208V Model (188 to 228V, 12A or more), 230V Model (198 to 264V, 13A or more).
- 2) Temperature and humidity must be within the extent of the following figure. Particularly, be sure to avoid areas near water faucets, water boilers, humidifiers, and refrigerators.



F-1-11

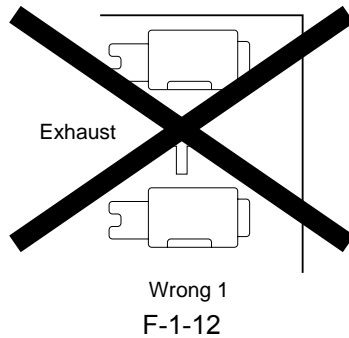
<Guaranteed Environment Zone>

[A] Zone A: All items of the Quality Standard are satisfied.

[B] Zone B: In the Quality Standard, there are items that are inferior to Zone A or not satisfied.

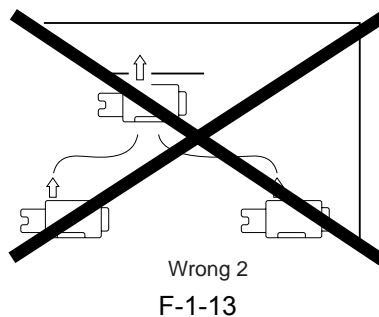
[C] Zone C: There are no safety problems, no malfunctions, and no improper indications. Copying is performed properly.

- 3) The site must not be near a source of fire, subject to dust or ammonium gas, or exposed to direct rays of the sun. As necessary provide curtains.
- 4) The level of ozone generated by the machine will not affect the health of individuals around it. Some, however, may find its odor unpleasant as while remaining in contact with it for long hours. Be sure that the room is well ventilated.
- 5) Make sure that the feet of the machine will remain in contact with the floor, and the machine will be kept level.
- 6) Make sure that the machine will be at least 10 cm away from any walls, allowing enough space for work.
- 7) Make sure that the area is well ventilated. If multiple machines are installed, in particular, be sure that the exhaust of another will not be drawn by the machine. Be sure also not to install a machine near an air vent.



MEMO:

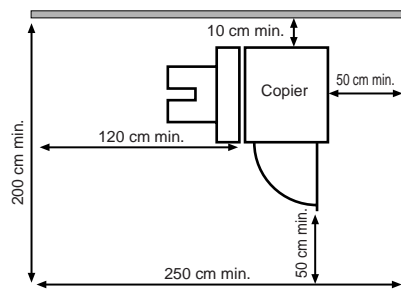
In general, the silicon gas (vapor of silicone oil from the fixing assembly) tends to soil the corona charging wire, reducing its life. This is particularly true of a low humidity environment.)



Outline of the Work Space

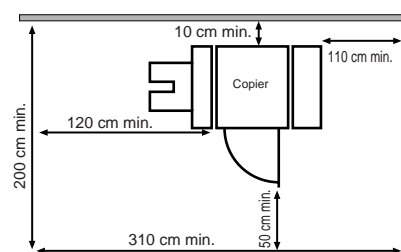
Use the following as a guide when considering space for service work:

- Copier + Finisher



F-1-14

- Copier + Finisher + Side Paper Deck



F-1-15

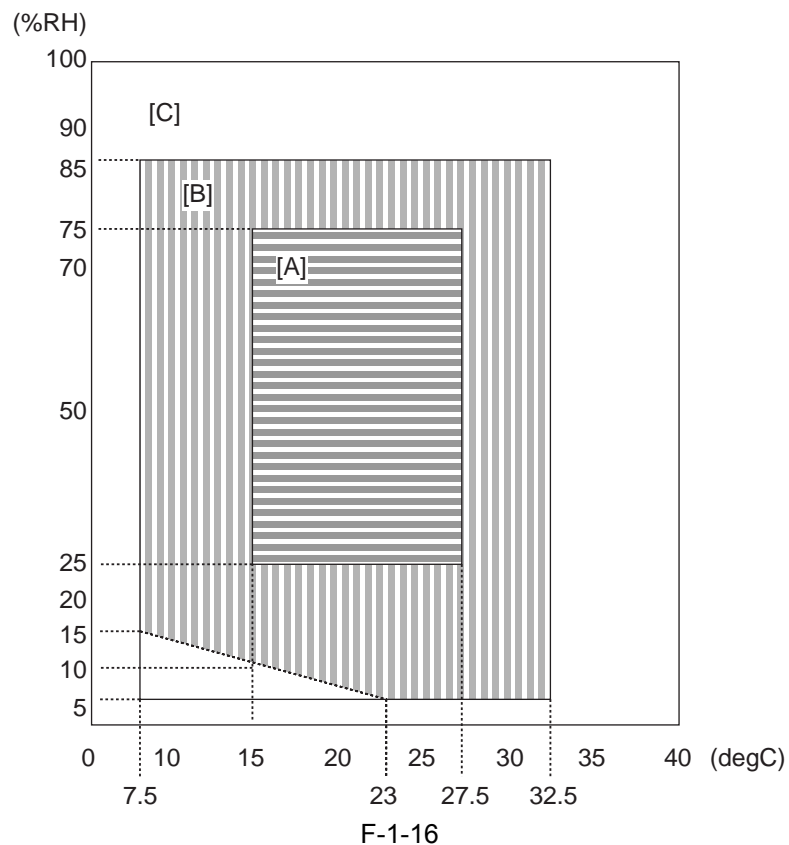
1.1.4 Selecting the site

0009-1237

iR85+

The site of installation must meet the following requirements; if possible, visit the user's before delivery of the machine:

- 1) The site must provide with a power outlet that is rated to suit the machine and that can be used exclusively by the machine; 208V Model (188 to 228V, 12A or more), 230V Model (198 to 264V, 13A or more).
- 2) Temperature and humidity must be within the extent of the following figure. Particularly, be sure to avoid areas near water faucets, water boilers, humidifiers, and refrigerators.



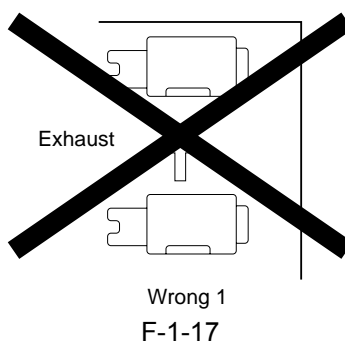
<Guaranteed Environment Zone>

[A] Zone A: All items of the Quality Standard are satisfied.

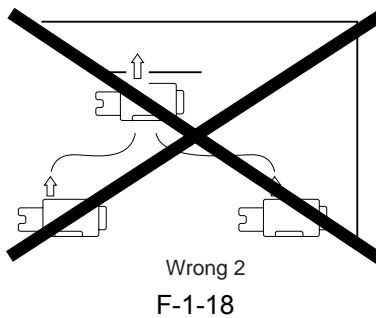
[B] Zone B: In the Quality Standard, there are items that are inferior to Zone A or not satisfied.

[C] Zone C: There are no safety problems, no malfunctions, and no improper indications. Printing is performed properly.

- 3) The site must not be near a source of fire, subject to dust or ammonium gas, or exposed to direct rays of the sun. As necessary provide curtains.
- 4) The level of ozone generated by the machine will not affect the health of individuals around it. Some, however, may find its odor unpleasant as while remaining in contact with it for long hours. Be sure that the room is well ventilated.
- 5) Make sure that the feet of the machine will remain in contact with the floor, and the machine will be kept level.
- 6) Make sure that the machine will be at least 10 cm away from any walls, allowing enough space for work.
- 7) Make sure that the area is well ventilated. If multiple machines are installed, in particular, be sure that the exhaust of another will not be drawn by the machine. Be sure also not to install a machine near an air vent.

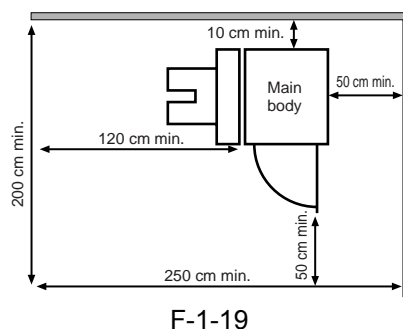
**MEMO:**

In general, the silicon gas (vapor of silicone oil from the fixing assembly) tends to soil the corona charging wire, reducing its life. This is particularly true of a low humidity environment.)

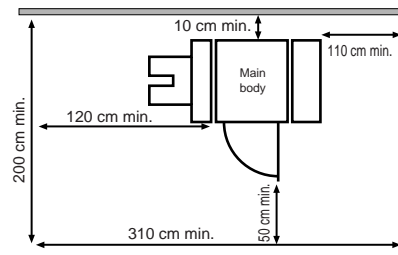
**Outline of the Work Space**

Use the following as a guide when considering space for service work:

- Main body + Finisher



- Main body + Finisher + Side Paper Deck



F-1-20

1.1.5 Points to Note Before Starting the Work

0007-6374

iR105i/iR105+ / iR9070

Go through the following before starting to install the machine:



- 1) If the machine is moved from a cold to warm place, it can develop condensation in the form of droplets of water on its metal surfaces.
Use of the machine while it suffers from condensation can lead to image faults.
If the machine has been moved from a cold to warm place, be sure to leave it for 1 hour or more without unpacking so that it becomes fully used to the new place.
 - 2) If stairs are used to move the machine into or out of the site of installation, keep the following in mind:
 - a. Take out the ADF, fixing/feeding assembly, holding tray assembly, and copy paper, and carry them separately from the main body.
 - b. When lifting the machine, do not use the grips on the pickup assembly/ delivery assembly. Instead, be sure to support the machine at four corners of its bottom.
 - 3) Shift up the 2 adjusters (front) found on the bottom of the machine to be sure that they are unlocked. The adjusters can slip out of the bottom of the machine because of vibration during transportation. Take care not to loose them.
 - 4) Be sure to work as a group of three or more. When removing the pad, in particular, one must hold the rear grip and one the front grip, while the other removes the pad.
 - 5) Be sure to remove the accessories (side paper deck, finisher, paper folding unit) when moving the machine into or out of the site of installation to prevent damage.
-

1.1.6 Points to Note Before Starting the Work

0007-1499

/ iR8070

Go through the following before starting to install the machine:



-
- 1) If the machine is moved from a cold to warm place, it can develop condensation in the form of droplets of water on its metal surfaces.

Use of the machine while it suffers from condensation can lead to image faults.

If the machine has been moved from a cold to warm place, be sure to leave it for 1 hour or more without unpacking so that it becomes fully used to the new place.

- 2) If stairs are used to move the machine into or out of the site of installation, keep the following in mind:
 - a. Take out the ADF, fixing/feeding assembly, holding tray assembly, and copy paper, and carry them separately from the main body.
 - b. When lifting the machine, do not use the grips on the pickup assembly/ delivery assembly. Instead, be sure to support the machine at four corners of its bottom.
 - 3) Shift up the 2 adjusters (front) found on the bottom of the machine to be sure that they are unlocked. The adjusters can slip out of the bottom of the machine because of vibration during transportation. Take care not to loose them.
 - 4) Be sure to work as a group of three or more. When removing the pad, in particular, one must hold the rear grip and one the front grip, while the other removes the pad.
 - 5) Be sure to remove the options (side paper deck, finisher, paper folding unit) when moving the machine into or out of the site of installation to prevent damage.
-

1.1.7 Points to Note Before Starting the Installation Work

0007-2892

Go through the following before starting the installation work:



- 1) Moving a machine from a cold to warm place can cause condensation (in the from of droplets of water on its metal surfaces).

A machine surffering from condensation can produce image faults.

If the machine has just been brought in from a cold place, leave it alone (unpacked) for at least 1 hour or before starting the work.
 - 2) If the machine is moved into or out of the user's along stairs, observe the follwing:
 - a. Remove the ADF, fixing/feeding unit, holding tray assembly, and copy paper, and carry them separately from the machin.
 - b. When lifting the machine, do not grab the grips on the pickup/delivery assembly; rather, hold it by its four bottom corners.
 - 3) Shift up the two adjusters (front) on the bottom of the machine to make sure that they are unlocked. Further, take care not to lose the adjusters, which can slip off the bottom because of vibration occuring in transit.
 - 4) Work in a group of three or more. Particularly, when removing the pad, assign one person to work at the rear and one at the front, with one removing the pad.
 - 5) Remove the side paper deck or the finisher (options) to prevent damage when bringing in or out the machine.
-

1.1.8 Points to Note Before Starting the Installation Work

0009-1364

iR85+

Go through the following before starting the installation work:



1) Moving a machine from a cold to warm place can cause condensation (in the form of droplets of water on its metal surfaces).

A machine suffering from condensation can produce image faults.

If the machine has just been brought in from a cold place, leave it alone (unpacked) for at least 1 hour or before starting the work.

2) If the machine is moved into or out of the user's along stairs, observe the following:

a. Remove the fixing/feeding unit, holding tray assembly, and paper, and carry them separately from the machine.

b. When lifting the machine, do not grab the grips on the pickup/delivery assembly; rather, hold it by its four bottom corners.

3) Shift up the two adjusters (front) on the bottom of the machine to make sure that they are unlocked. Further, take care not to lose the adjusters, which can slip off the bottom because of vibration occurring in transit.

4) Work in a group of three or more. Particularly, when removing the pad, assign one person to work at the rear and one at the front, with one removing the pad.

5) Remove the side paper deck or the finisher (options) to prevent damage when bringing in or out the machine.

1.1.9 Checking the Components

0008-9175

iR85+

Attachments

T-1-1

[1]	Developing assembly	1 PC.
[2]	Developing assembly unit	1 PC.
[3]	Size label(Cassette/Deck)	2 PC.*
[4]	Size plate	2 PC.
[5]	Grip	1 PC.
[6]	Non-Inch tab	4 PC.
[7]	Toner (Italian only)	1 PC.
[8]	Document Tray (USA only)	1 PC.

[9]	Index paper attachment	1 PC.
[10]	Lining sheet	1 PC.
[11]	One-touch support	2 PC.
[12]	Deck locking plate	1 PC.
[13]	Shut-Down Warning Label	1 PC.
[14]	Reference Guide (USA only)	1 PC.
[15]	Box Guide (USA only)	1 PC.
[16]	MEAP Administration Software CD	1 PC.
[17]	QR Sheet	1 PC.
[18]	RS tightening screw(M4X10)	3 PC.
[19]	TP screw (M4X6)	6 PC.
[20]	Binding screw (M4x8; w/ washer; black)	1 PC.
[21]	Drum Unit Warranty	1 PC.
[22]	Installation Check List	1 PC.
[23]	Staple (USA only)	4 PC.
[24]	Resistration Guide (USA only)	1 PC.
[25]	MEAP Software CD	1 PC.

*The size label (cassette/deck) may come as separate labels (for cassette and for deck).

1.1.10 Checking the Components

0008-5722

iR105i/iR105+ / iR9070

Attachments

T-1-2

[1]	Developing assembly	1 pc.
[2]	Developing assembly locking plate unit	1 pc.
[3]	Control panel unit	1 pc.
[4]	Upper arm	1 pc.
[5]	Lower arm	1 pc.
[6]	Upper arm cover	1 pc.

[7]	Lower arm cover	1 pc.
[8]	Harness clip	1 pc.
[9]	Original delivery tray	1 pc.
[10]	size label (Deck /Cassette)	2 pc.*
[11]	Size plate	2 pc.
[12]	3-hole paper set label	1 pc.
[13]	Grip	1 pc.
[14]	Non-inch block	4 pc.
[15]	Toner	1 pc.
[16]	Index paper attachment	1 pc.
[17]	Lining sheet	1 pc.
[18]	One-touch support	2 pc.
[19]	Deck locking plate	1 pc.
[20]	Shut-Down Warning Label	1 pc.
[21]	User's Guide	1 pc.
[22]	Copy Guide	1 pc.
[23]	Box Guide	1 pc.
[24]	LIPS LX Driver/Utility CD-ROM	1 pc.
[25]	LIPS V Driver/Utility CD	1 pc.
[26]	NW ScanGear CD	1 pc.
[27]	LIPS Printer Guide	1 pc.
[28]	Remote UI Guide	1 pc.
[29]	Network Guide	1 pc.
[30]	Emulation Manual CD	1 pc.
[31]	License Agreement	1 pc.
[32]	MEAP Administration Software CD	1 pc.
[33]	MEAP Application Control Function Guide	1 pc.
[34]	MEAP Authentication System Setup Guide	1 pc.
[35]	Transmission Guide	1 pc.
[36]	BM Links (sheet)	1 pc.
[37]	QR sheet	1 pc.

[38]	Service Book	1 pc.
[39]	RS tightening screw (M4X10)	3 pc.
[40]	TP screw (M4X6)	6 pc.
[41]	Binding screw (M4X6)	1 pc.
[42]	Binding screw (M4X10)	6 pc.
[43]	Binding screw (M4X14)	5 pc.
[44]	P tightening screw (M4x10)	2 pc.
[45]	W sems screw (M4x12)	1 pc.
[46]	Flat-head screw (M4x10)	1 pc.
[47]	Binding screw (M4x8; w/ washer; black)	1 pc.

*The size label (cassette/deck) may come as separate labels (for cassette and for deck).

1.1.11 Checking the Components

0008-5761

/ iR8070

Attachments

T-1-3

[1]	Developing assembly	1 PC.
[2]	Developing unit	1 PC.
[3]	Size label(Cassette/ Deck)	2 PC.*
[4]	Size plate	2 PC.
[5]	Grounding wire [100V Only]	1 PC.
[6]	Grip	1 PC.
[7]	Non-Inch tab	4 PC.
[8]	Toner	1 PC.
[9]	Index paper attachment	1 PC.
[10]	Deck locking plate	1 PC.
[11]	One-touch support	2 PC.
[12]	Deck locking plate	1 PC.

[13]	Shut-Down Warning Label	1 PC.
[14]	User's Guide	1 PC.
[15]	Copy Guide	1 PC.
[16]	Box Guide	1 PC.
[17]	LIPS LX Driver/Utility CD-ROM	1 PC.
[19]	NW ScanGear CD	1 PC.
[19]	LIPS Printer Guide	1 PC.
[20]	Remote UI Guide	1 PC.
[21]	Network Guide	1 PC.
[22]	MEAP Administration Software CD	1 PC.
[23]	MEAP Application Control Function Guide	1 PC.
[24]	MEAP Authentication System Setup Guide	1 PC.
[25]	BM Links (sheet)	1 PC.
[26]	QR Sheet	1 PC.
[27]	Service Book	1 PC.
[28]	Reader unit anti-condensation heater cable	1 PC.
[29]	RS tightening screw (M4X10)	1 PC.
[30]	TP screw (M4X6)	6 PC.
[31]	Binding screw (M4x8; w/ washer; black)	1 PC.

*The size label (cassette/deck) may come as separate labels (for cassette and for deck).

1.1.12 Checking the Components

0008-5820

Attachments

T-1-4

[1]	Developing assembly	1 PC.
[2]	Developing assembly unit	1 PC.
[3]	Original delivery tray	1 PC.
[4]	Size labels (Cassette/Deck)	2 PC.*

[5]	Size plate	2 PC.
[6]	Grounding wire [100V Only]	1 PC.
[7]	Grip	1 PC.
[8]	Non-Inch tab	4 PC.
[9]	Toner	1 PC.
[10]	Index paper attachment	1 PC.
[11]	Lining sheet	1 PC.
[12]	One-touch support	2 PC.
[13]	Deck locking plate	1 PC.
[14]	Shut-Down Warning Label	1 PC.
[15]	User's Guide	1 PC.
[16]	Copying Guide	1 PC.
[17]	Box Guide	1 PC.
[18]	LIPS LX Driver/Utility CD-ROM	1 PC.
[19]	NW ScanGear CD	1 PC.
[20]	LIPS Printer Guide	1 PC.
[21]	Remote UI Guide	1 PC.
[22]	Network Guide	1 PC.
[23]	MEAP Administration Software CD	1 PC.
[24]	MEAP Application Control Function Guide	1 PC.
[25]	MEAP Authentication System Setup Guide	1 PC.
[26]	QR Sheet	1 PC.
[27]	Service Book	1 PC.
[28]	RS tightening screw (M4X10)	3 PC.
[29]	TP screw (M4X6)	6 PC.
[30]	Binding screw (M4x8; w/ washer; black)	1 PC.

*The size label (cassette/deck) may come as separate labels (for cassette and for deck).

1.2 Unpacking and Installation

1.2.1 Unpacking

0007-6543

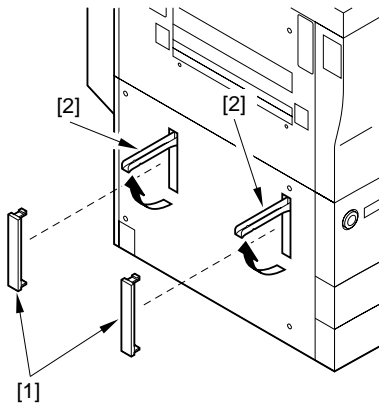
iR105i/iR105+ / iR9070

1) Unpack the copier.

Open the plastic bag.

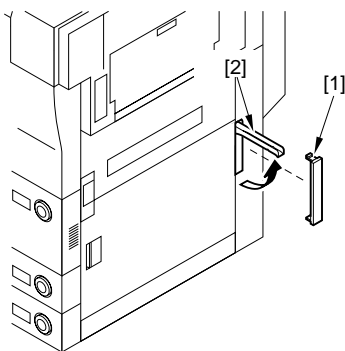
Insert a flat-blade screwdriver into the top of the grip cover [1] (2 pc.) on the left side of the machine, and detach the cover.

Shift up the grips [2].



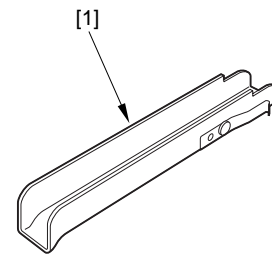
F-1-21

2) Detach the grip cover [1] on the right side of the machine (using a flat-blade screwdriver), and shift up the grip [2] at the rear.



F-1-22

3) Take out the grip [1] from the box that comes with the machine.

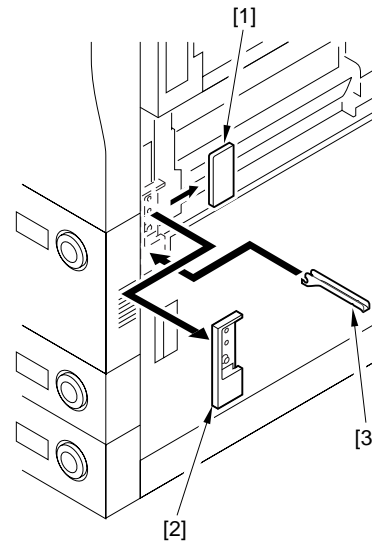


F-1-23

4) Open the right upper cover, and slide the small face cover [1] to the rear to detach; then, detach the large face cover [2].

Fit the grip [3] detached in step 3 at the front.

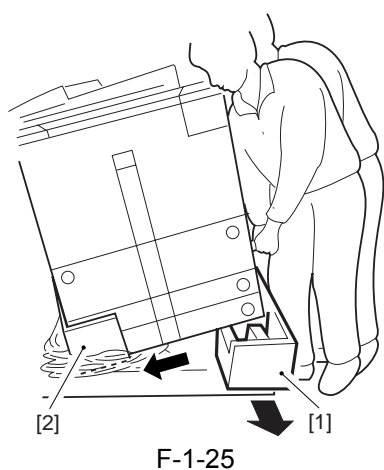
Close the right upper cover.



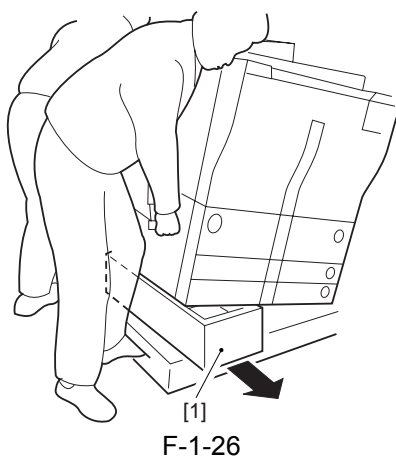
F-1-24

5) Holding the grips on the pickup side (front, rear) for the copier, lift the machine slightly to remove the pad [1].

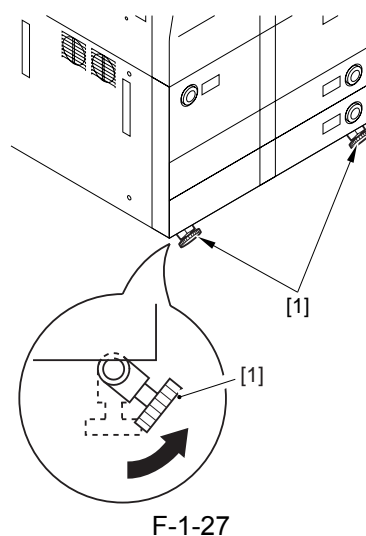
At this time, move the plastic bag [2] toward the remaining pad.



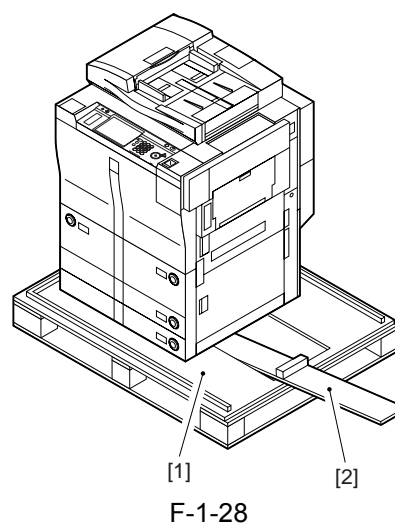
- 6) Holding the grips on the delivery side (front, rear) of the copier, lift the machine slightly to remove the remaining pad [1] and the plastic bag at the same time.



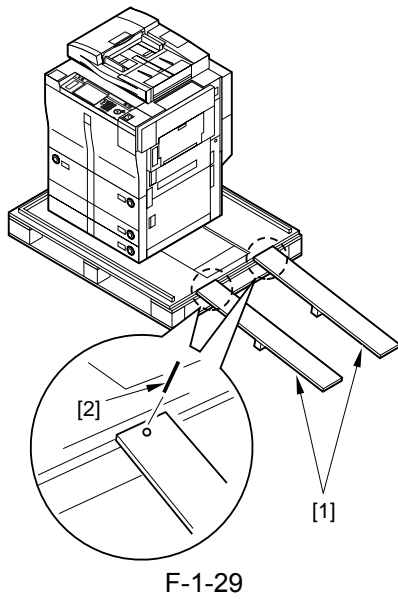
- 7) Shift up the 2 adjusters [1] (front) found on the bottom for the copier, and check that they are unlocked.



- 8) Take out the 2 slope plates [2] from the middle of the skid [1].

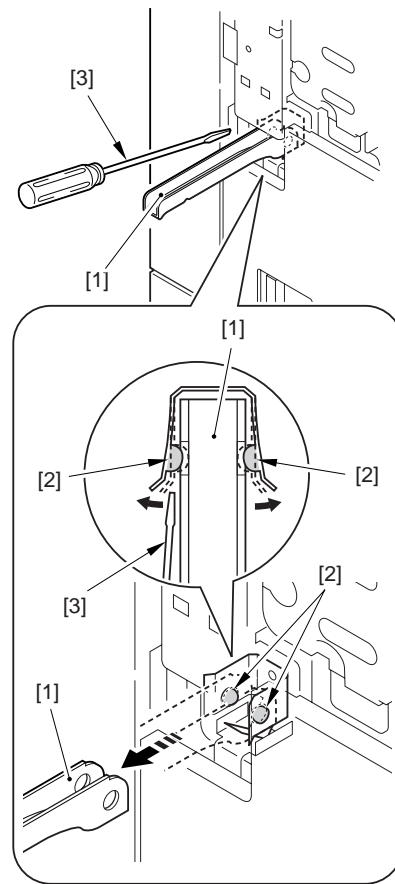


- 9) Remove the 2 pins [2] taped in place to the slope plate [1].
Turn over the slope plate [1], and fit the pin [2] (1 pc. each) while matching the pin holes in the skid and the pin hole in the slope plate.
Holding the grips (front, rear) on the delivery side of the copier, slide the machine along the slope plates, then off the skid.



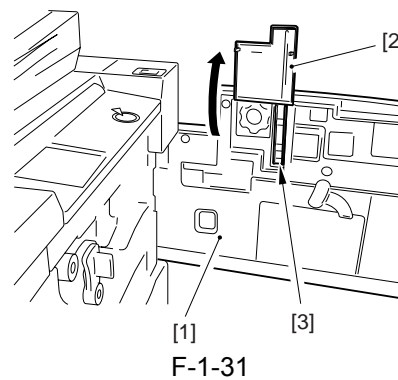
F-1-29

- 10) Take out the parts and attachments from the cardboard box that comes with the machine; then, check to make sure that none of the foregoing items is missing.
- 11) Open the left and right protrusions [1] of the grip you fitted in step 4) using a screwdriver [3]; then, detach the grip [1].



F-1-30

- 12) Open the front cover [1] and then the compartment cover [2]; then, store the grips [3] used in compartment behind the front cover. Close the compartment cover, and close the front cover.



F-1-31

- 13) Mount the removed face covers to the right and left sides.

Open the right upper cover, and mount the small and large face covers.

Close the right upper cover.



If condensation is found on the outside or inside of the machine after unpacking, stop the work before moving to the next step so that the machine will become used to the room temperature.

Be sure of the absence of condensation when resuming the work.

1.2.2 Unpacking

0008-9179

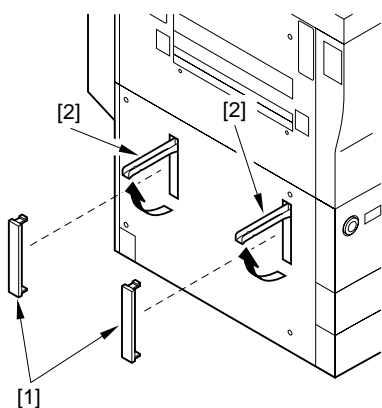
iR85+

1) Unpack the machine.

Open the plastic bag.

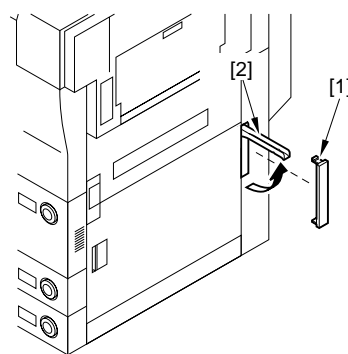
Insert a flat-blade screwdriver into the top of the grip cover [1] (2 pc.) on the left side of the machine, and detach the cover.

Shift up the grips [2].



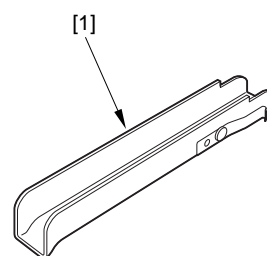
F-1-32

2) Detach the grip cover [1] on the right side of the machine (using a flat-blade screwdriver), and shift up the grip [2] at the rear.



F-1-33

3) Take out the grip [1] from the box that comes with the machine.

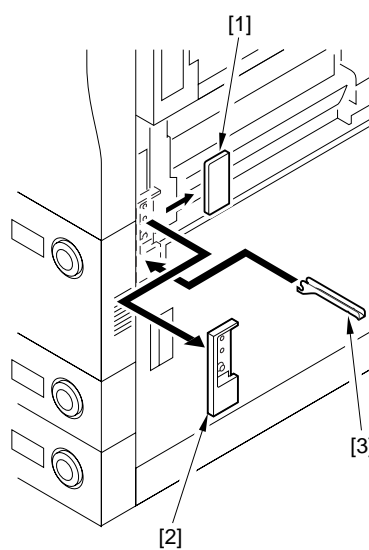


F-1-34

4) Open the right upper cover, and slide the small face cover [1] to the rear to detach; then, detach the large face cover [2].

Fit the grip [3] detached in step 3 at the front.

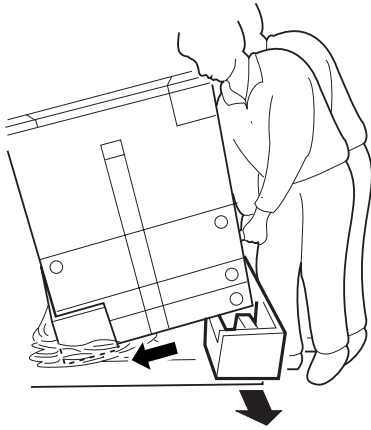
Close the right upper cover.



F-1-35

- 5) Holding the grips on the pickup side (front, rear) for the machine, lift the machine slightly to remove the pad [1].

At this time, move the plastic bag [2] toward the remaining pad.



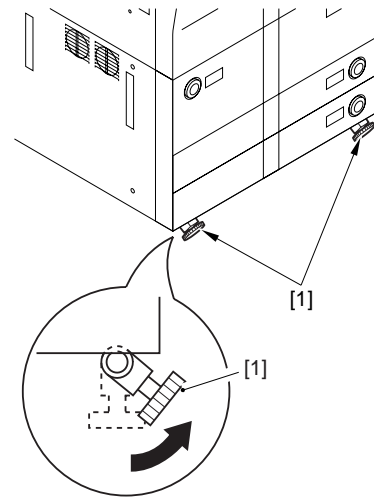
F-1-36

- 6) Holding the grips on the delivery side (front, rear) of the machine, lift the machine slightly to remove the remaining pad [1] and the plastic bag at the same time.



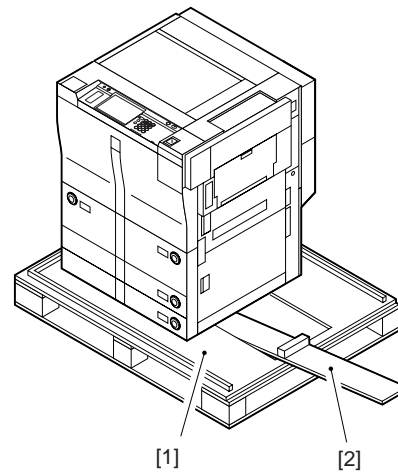
F-1-37

- 7) Shift up the 2 adjusters [1] (front) found on the bottom for the machine, and check that they are unlocked.



F-1-38

- 8) Take out the 2 slope plates [2] from the middle of the skid [1].

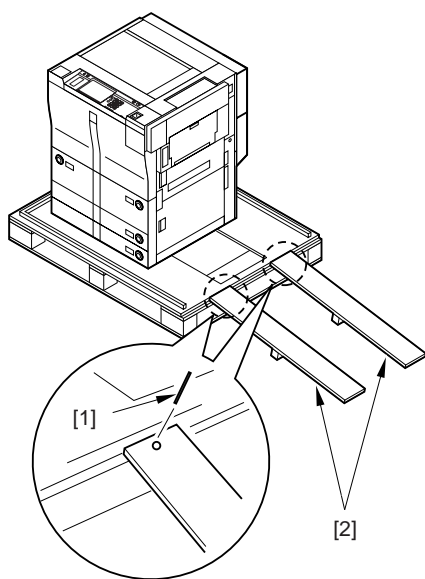


F-1-39

- 9) Remove the 2 pins [2] taped in place to the slope plate [1].

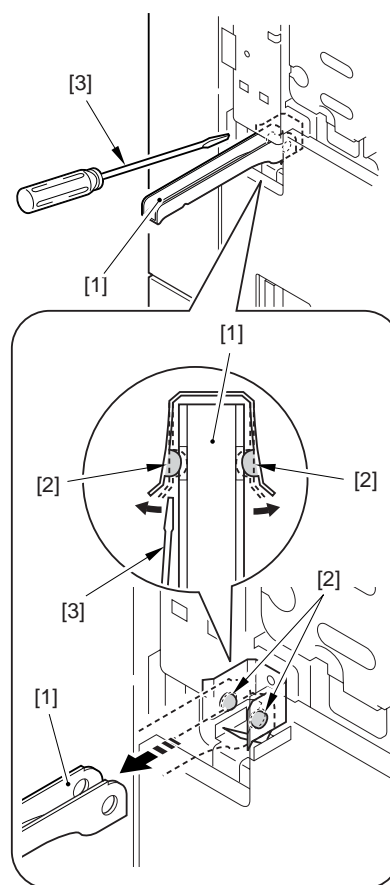
Turn over the slope plate [1], and fit the pin [2] (1 pc. each) while matching the pin holes in the skid and the pin hole in the slope plate.

Holding the grips (front, rear) on the delivery side of the machine, slide the machine along the slope plates, then off the skid.



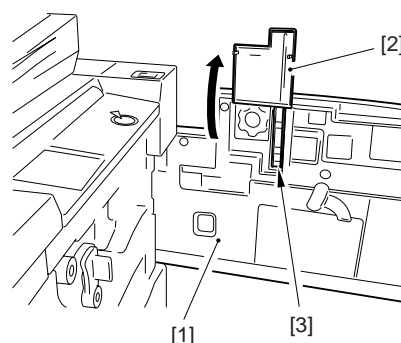
F-1-40

- 10) Take out the parts and attachments from the cardboard box that comes with the machine; then, check to make sure that none of the foregoing items is missing.
- 11) Open the left and right protrusions [1] of the grip you fitted in step 4) using a screwdriver [3]; then, detach the grip [1].



F-1-41

- 12) Open the front cover [1] and then the compartment cover [2]; then, store the grips [3] used in compartment behind the front cover. Close the compartment cover, and close the front cover.



F-1-42

- 13) Mount the removed face covers to the right and left sides.

Open the right upper cover, and mount the small and large face covers.

Close the right upper cover.



If condensation is found on the outside or inside of the machine after unpacking, stop the work before moving to the next step so that the machine will become used to the room temperature.

Be sure of the absence of condensation when resuming the work.

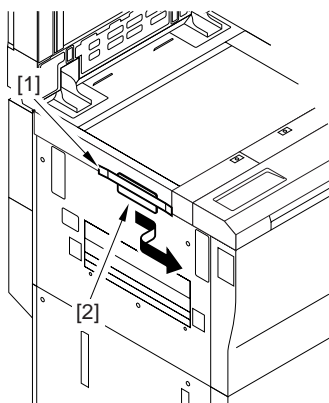
1.2.3 Mounting the Scanner

System

0007-6604

iR105i/iR105+ / iR9070

- 1) Remove the packing tape from the copier.
- 2) Open the ADF.
Remove the copyboard glass protective pad.
- 3) Remove the packing tape [1] from the scanner fixing.
Slide the scanner fixing [2] to the front to detach.
(Store away the fixing, as you will need it to secure the scanner when relocating the machine.)



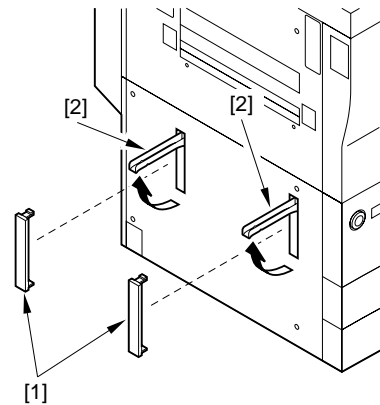
F-1-43

1.2.4 Unpacking

0007-1778

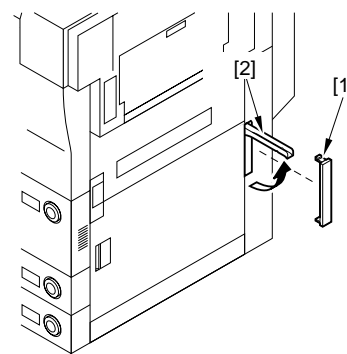
/ iR8070

- 1) Unpack the copier.
Open the plastic bag.
Insert a flat-blade screwdriver into the top of the grip cover [1] (2 pc.) on the left side of the machine, and detach the cover.
Shift up the grips [2].



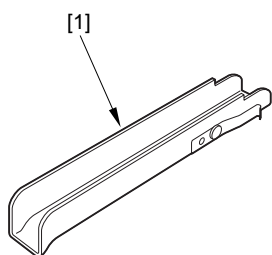
F-1-44

- 2) Detach the grip cover [1] on the right side of the machine (using a flat-blade screwdriver), and shift up the grip [2] at the rear.



F-1-45

- 3) Take out the grip [1] from the box that comes with the machine.

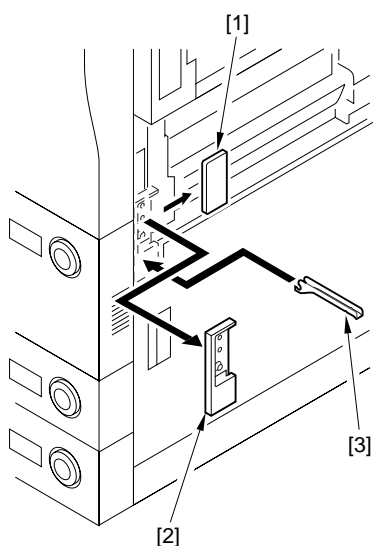


F-1-46

- 4) Open the right upper cover, and slide the small face cover [1] to the rear to detach; then, detach the large face cover [2].

Fit the grip [3] detached in step 3 at the front.

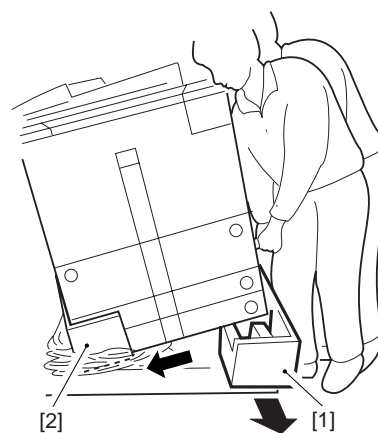
Close the right upper cover.



F-1-47

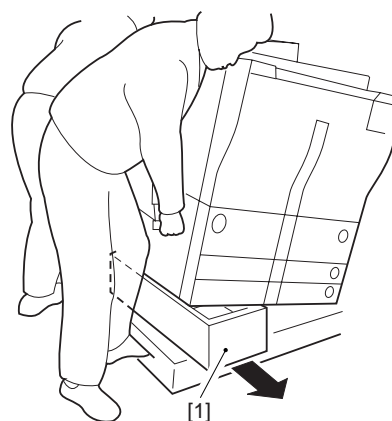
- 5) Holding the grips on the pickup side (front, rear) for the copier, lift the machine slightly to remove the pad [1].

At this time, move the plastic bag [2] toward the remaining pad.



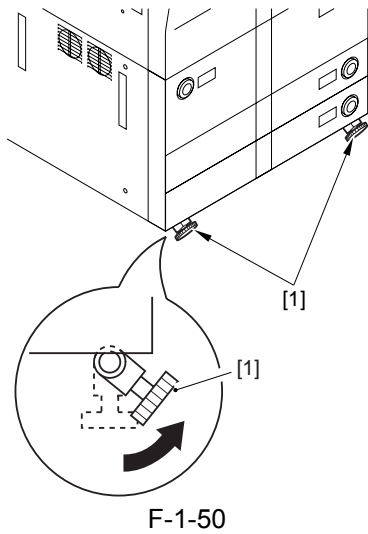
F-1-48

- 6) Holding the grips on the delivery side (front, rear) of the copier, lift the machine slightly to remove the remaining pad [1] and the plastic bag at the same time.

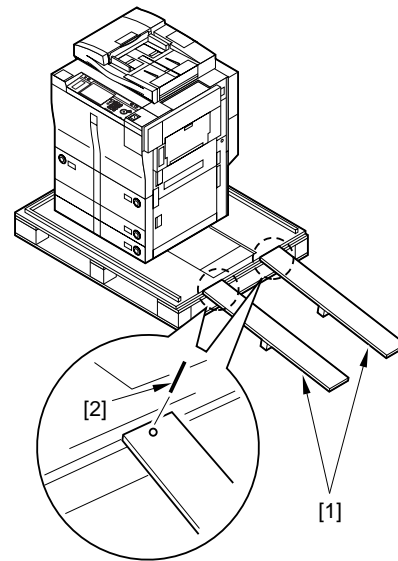


F-1-49

- 7) Shift up the 2 adjusters [1] (front) found on the bottom for the copier, and check that they are unlocked.



F-1-50

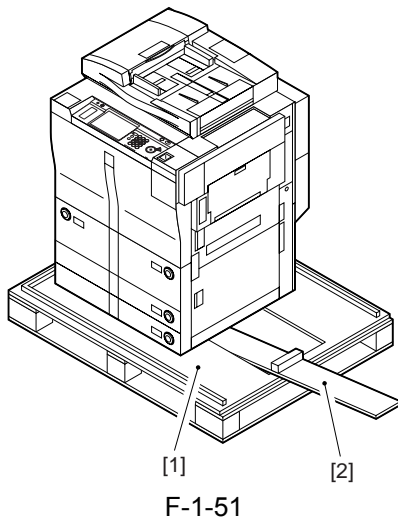


F-1-52

8) Take out the 2 slope plates [2] from the middle of the skid [1].

10) Take out the parts and attachments from the cardboard box that comes with the machine; then, check to make sure that none of the foregoing items is missing.

11) Open the left and right protrusions [1] of the grip you fitted in step 4) using a screwdriver [3]; then, detach the grip [1].

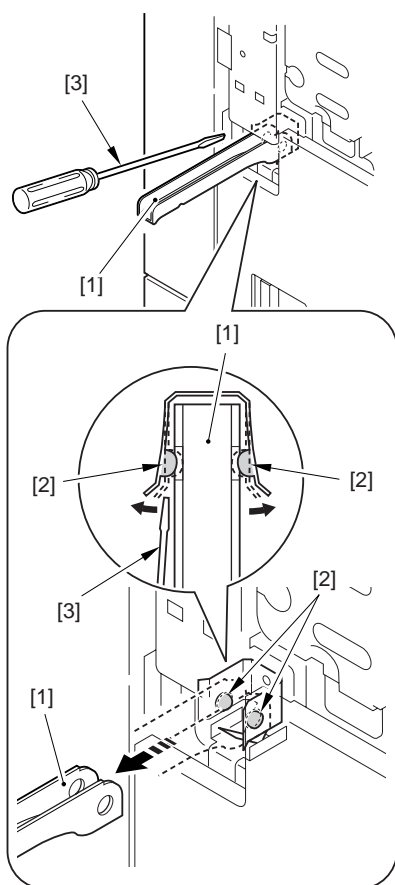


F-1-51

9) Remove the 2 pins [2] taped in place to the slope plate [1].

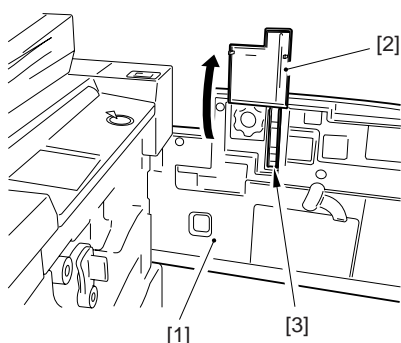
Turn over the slope plate [1], and fit the pin [2] (1 pc. each) while matching the pin holes in the skid and the pin hole in the slope plate.

Holding the grips (front, rear) on the delivery side of the copier, slide the machine along the slope plates, then off the skid.



F-1-53

- 12) Open the front cover [1] and then the compartment cover [2]; then, store the grips [3] used in compartment behind the front cover. Close the compartment cover, and close the front cover.



F-1-54

- 13) Mount the removed face covers to the right and left sides.

Open the right upper cover, and mount the small and large face covers.

Close the right upper cover.



If condensation is found on the outside or inside of the machine after unpacking, stop the work before moving to the next step so that the machine will become used to the room temperature.

Be sure of the absence of condensation when resuming the work.

1.2.5 Unpacking

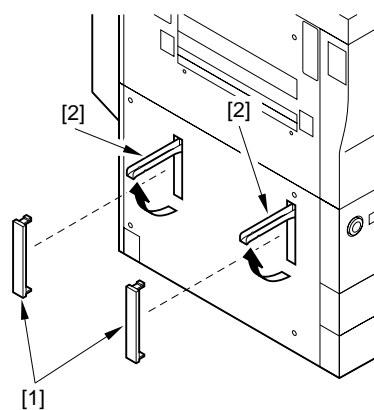
0007-2893

- 1) Unpack the copier.

Open the plastic bag.

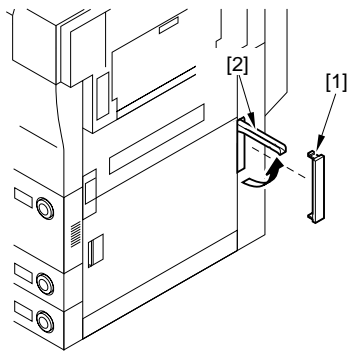
Insert a flat-blade screwdriver into the top of the grip cover [1] (2 pc.) on the left side of the machine, and detach the cover.

Shift up the grips [2].



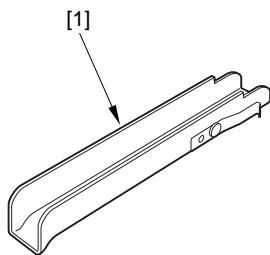
F-1-55

- 2) Detach the grip cover [1] on the right side of the machine (using a flat-blade screwdriver), and shift up the grip [2] at the rear.



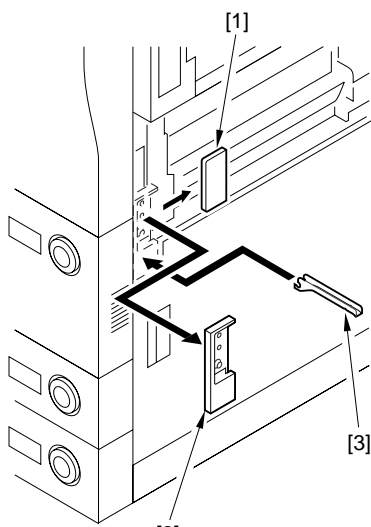
F-1-56

- 3) Take out the grip [1] from the box that comes with the machine.



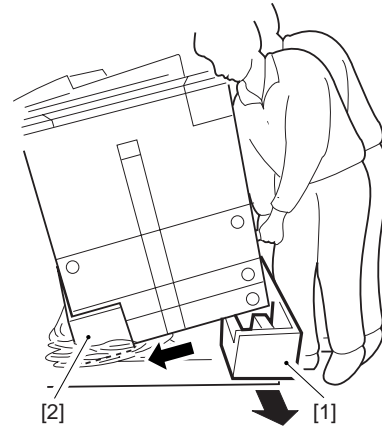
F-1-57

- 4) Open the right upper cover, and slide the small face cover [1] to the rear to detach; then, detach the large face cover [2].
Fit the grip [3] detached in step 3 at the front.
Close the right upper cover.



F-1-58

- 5) Holding the grips on the pickup side (front, rear) for the copier, lift the machine slightly to remove the pad [1].
At this time, move the plastic bag [2] toward the remaining pad.



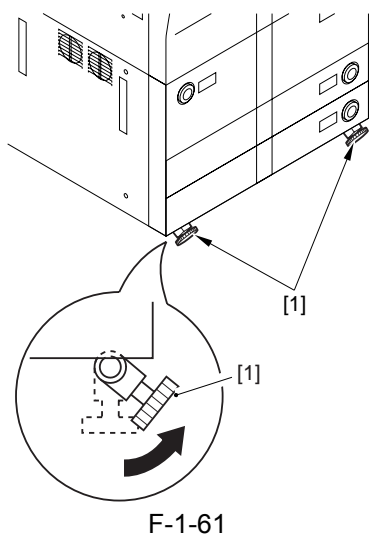
F-1-59

- 6) Holding the grips on the delivery side (front, rear) of the copier, lift the machine slightly to remove the remaining pad [1] and the plastic bag at the same time.



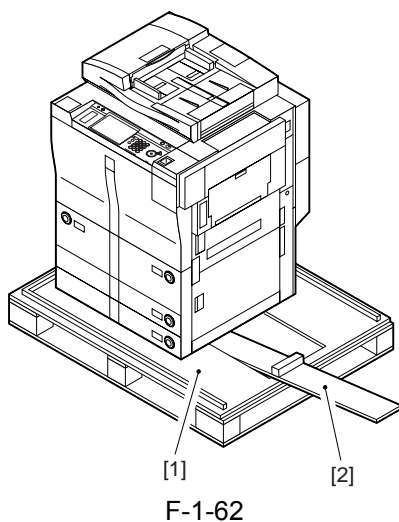
F-1-60

- 7) Shift up the 2 adjusters [1] (front) found on the bottom for the copier, and check that they are unlocked.



F-1-61

- 8) Take out the 2 slope plates [2] from the middle of the skid [1].

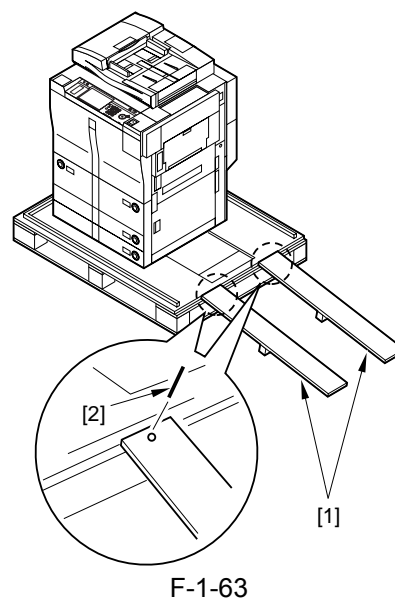


F-1-62

- 9) Remove the 2 pins [2] taped in place to the slope plate [1].

Turn over the slope plate [1], and fit the pin [2] (1 pc. each) while matching the pin holes in the skid and the pin hole in the slope plate.

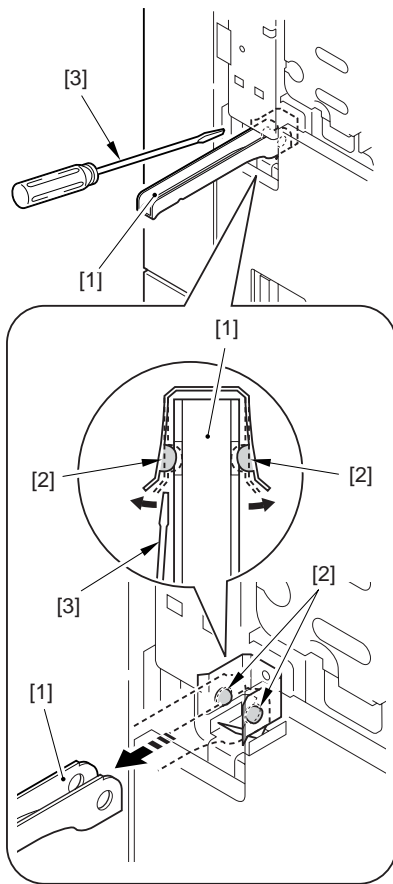
Holding the grips (front, rear) on the delivery side of the copier, slide the machine along the slope plates, then off the skid.



F-1-63

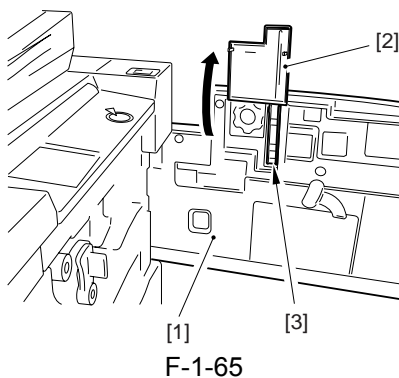
- 10) Take out the parts and attachments from the cardboard box that comes with the machine; then, check to make sure that none of the foregoing items is missing.

- 11) Open the left and right protrusions [1] of the grip you fitted in step 4) using a screwdriver [3]; then, detach the grip [1].



F-1-64

- 12) Open the front cover [1] and then the compartment cover [2]; then, store the grips [3] used in compartment behind the front cover. Close the compartment cover, and close the front cover.



F-1-65

- 13) Mount the removed face covers to the right and left sides.

Open the right upper cover, and mount the small and large face covers.
Close the right upper cover.



If condensation is found on the outside or inside of the machine after unpacking, stop the work before moving to the next step so that the machine will become used to the room temperature.

Be sure of the absence of condensation when resuming the work.

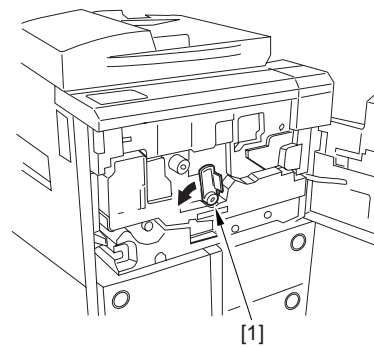
1.2.6 Installing the Fixing

Assembly

0007-6607

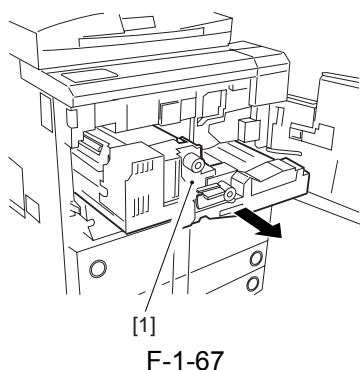
iR105i/iR105+ / iR9070

- 1) Open the front cover.
- 2) Shift the fixing/feeding assembly releasing lever [1] in the direction of the arrow (left) to release the transfer/ separation charging assembly.



F-1-66

- 3) Slide out the fixing/feeding unit [1] to the front.

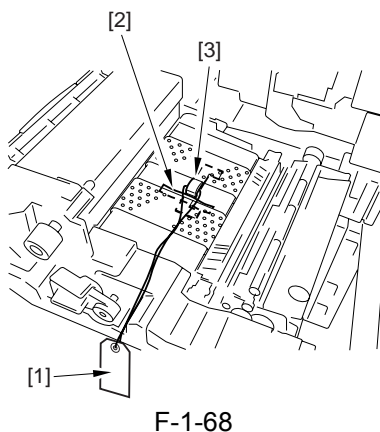


F-1-67

- 4) Remove the tag [1] and tape [2] from the fixing/feeding assembly.
Remove the separation releasing member [3].

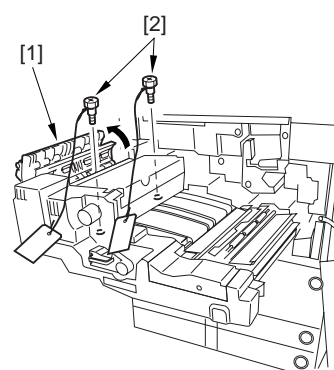


Remove all foreign matter (e.g., tape glue) from the feed belt.



F-1-68

- 5) Remove the tape used to keep the tag in place; then, open the fixing/feeding unit top [1], and remove the two screws [2] from the front and the rear (fixing nip release).



F-1-69

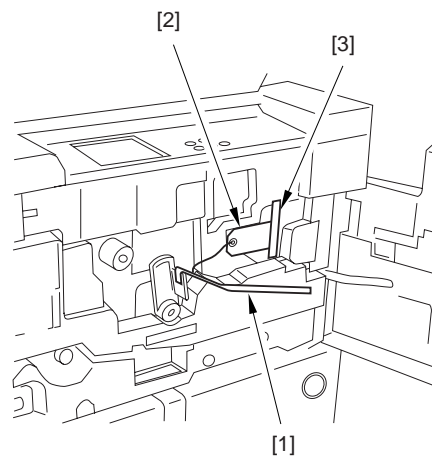
Close the fixing/feeding unit top [1].

1.2.7 Mounting the Fixing Assembly

0008-9181

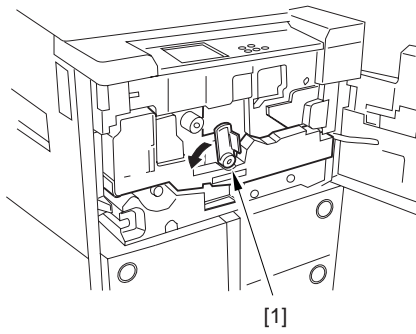
iR85+

- 1) Open the front cover.
- 2) Remove the tape [1] from the front of the inside cover and the tape [3] used to keep the tag [2] in place.



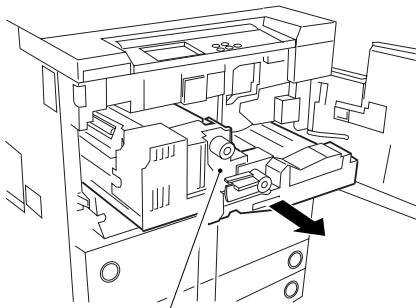
F-1-70

- 3) Shift down the fixing/feeding assembly releasing lever [1] in the direction of the arrow (left) to unlock the transfer/separation charging assembly.



F-1-71

- 4) Slide out the fixing/feeding unit [1] toward the front.

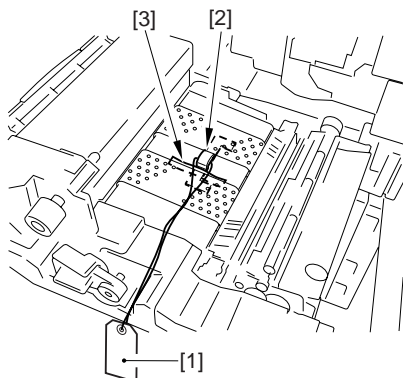


[1]
F-1-72

- 5) Remove the tag [1] of the fixing/feeding assembly and the separation releasing member [2].



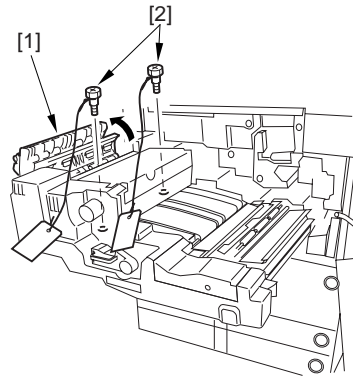
Be sure to remove any foreign matter (e.g., glue left behind by the tape [3]) from the feeding belt.



F-1-73

- 6) Remove the tape used to keep the tag in place, and

open the top [1] of the fixing/ feeding assembly; then, remove the 2 fixing nip releasing screws [2] at the front and rear.



F-1-74

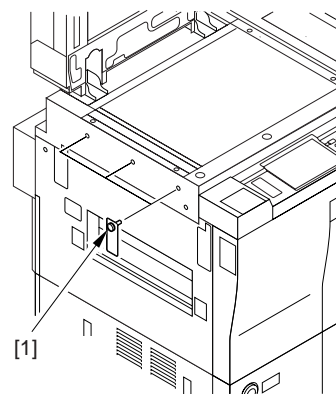
Close the top of the fixing/feeding unit.

1.2.8 Mounting the Scanner System

0007-2044

/ iR8070

- 1) Remove the packing tape from the copier.
- 2) Open the ADF.
Remove the copyboard glass protective padding.
- 3) Remove the scanning fixing screw [1] identified with a tag.
(Store away the fixings for possible relocation of the machine in the future).



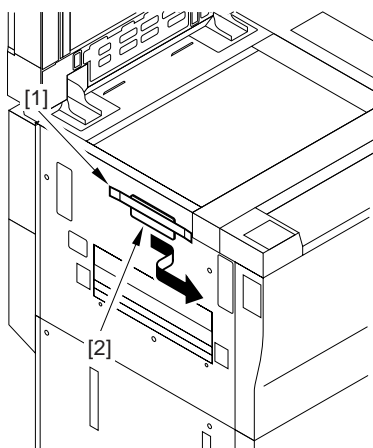
F-1-75

1.2.9 Mounting the Scanner

System

0007-2895

- 1) Remove the packing tape from the copier.
- 2) Open the ADF.
Remove the copyboard glass protective padding.
- 3) Remove the tape [1], and slide the scanner fixing [2] toward the front to detach
(Store away the fixing screw for possible relocation of the machine in the future).



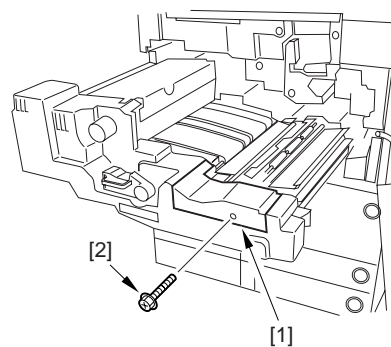
F-1-76

1.2.10 Mounting the Charging Assembly

0007-6622

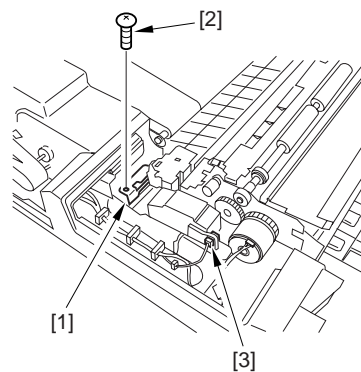
iR105i/iR105+ / iR9070

- 1) Remove the screw [2], and detach the transfer/separation assembly front cover [1].



F-1-77

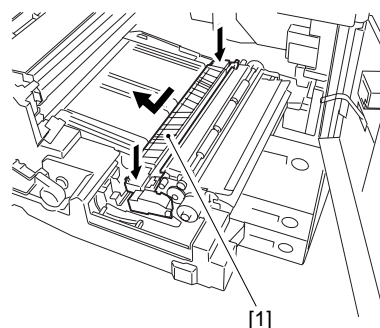
- 2) Remove the fixing [1] (1 screw [2]), and disconnect the connector [3].



F-1-78

- 3) While holding down the front and rear of the transfer/separation charging assembly [1], pull it by 1 cm toward the front; then, detach it toward the upper left.

Using alcohol, clean the transfer/ separation charging wire.

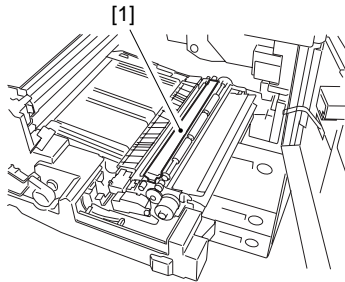


F-1-79

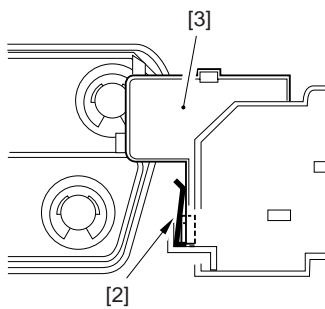
- 4) While keeping the following in mind, mount the

transfer/separation charging assembly:

- The solvent must completely be dry.
- The gut wire must not be brought into contact with the transfer guide [1] to avoid a cut.
- The grounding plate [2] must be on the outside of the charging assembly frame [3] (See the figure).



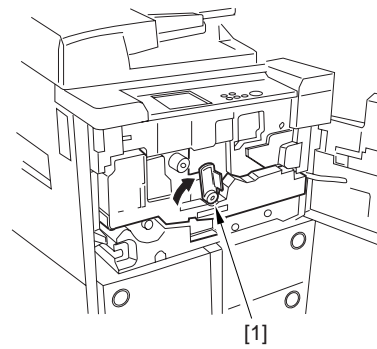
F-1-80



F-1-81

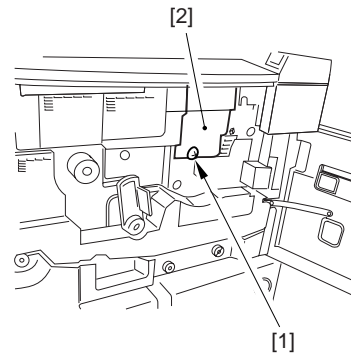
- 5) Connect the connector of the transfer/ separation charging assembly, and mount the fixing.
- 6) Using a screw, mount the toner/separation charging assembly front cover.

Push in the fixing/feeding assembly inside the machine, and shift the fixing/feeding assembly releasing lever [1] back into position.



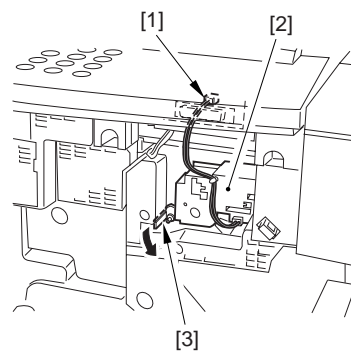
F-1-82

- 7) Remove the screw [1], and detach the primary charging assembly front cover [2].



F-1-83

- 8) Disconnect the connector [1], and release the locking lever [3] of the primary charging assembly [2]; then, take out the primary charging assembly. Using alcohol, clean the primary charging assembly and the grid wire.

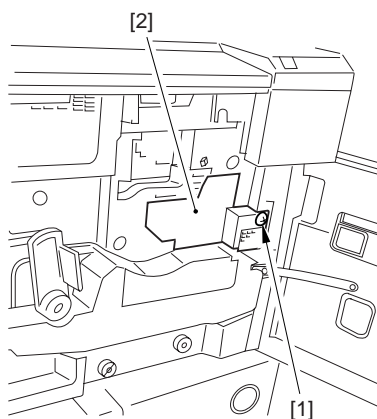


F-1-84



Do not start mounting work before the solvent has become completely dry.

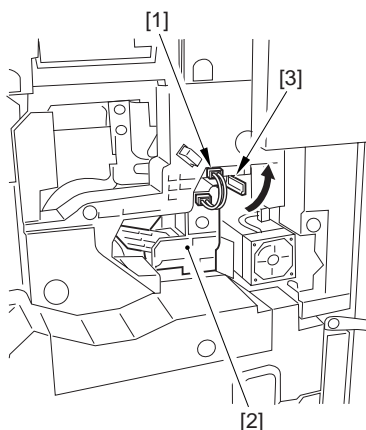
9) Remove the screw [1], and detach the pretransfer charging assembly cover [2].



F-1-85

10) Disconnect the connector [1], and release the locking lever [3] of the pre-transfer charging assembly [2]; then, take out the pre-transfer charging assembly.

Using alcohol, clean the pre-transfer charging wire.



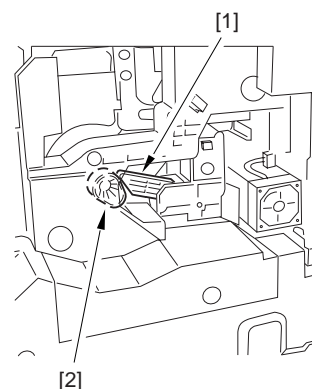
F-1-86

11) With the lock released, slide in the primary charging assembly, and connect the connector.



Check to make sure that the solvent is fully dry.

12) With the lock released, slide in the pretransfer charging assembly, and connect the connector.



F-1-87



- Check to make sure that the solvent is fully dry.
- Check to make sure that the one-way arm [1] of the pretransfer charging assembly is on the eccentric cam [2].

13) Mount the primary charging assembly cover and the pre-transfer charging assembly cover with a screw (1 pc. each).

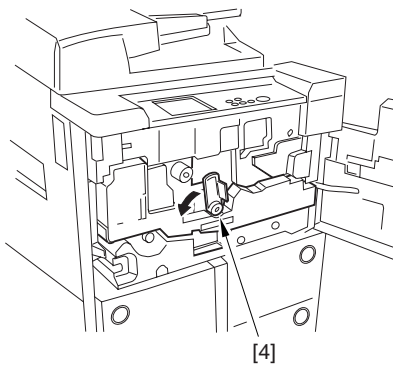
14) Close the front cover.

1.2.11 Mounting the Fixing Assembly

0007-2048

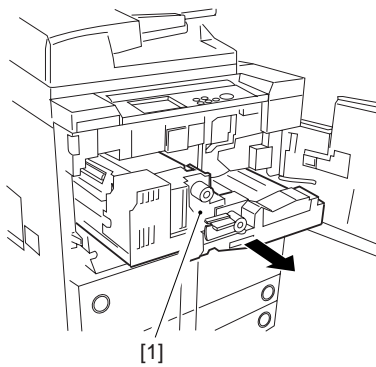
/ iR8070

- 1) Open the front cover.
- 2) Shift down the fixing/feeding assembly releasing lever [4] in the direction of the arrow (left) to unlock the transfer/ separation charging assembly.



F-1-88

- 3) Slide out the fixing/feeding unit [1] toward the front.

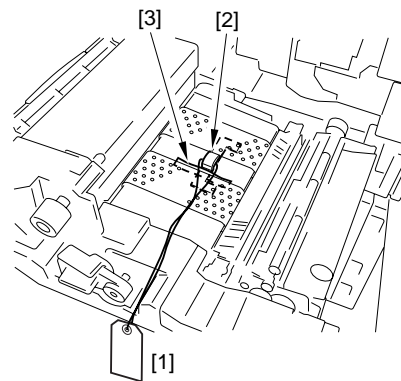


F-1-89

- 4) Remove the tag [1] of the fixing/feeding assembly and the separation releasing member [2].

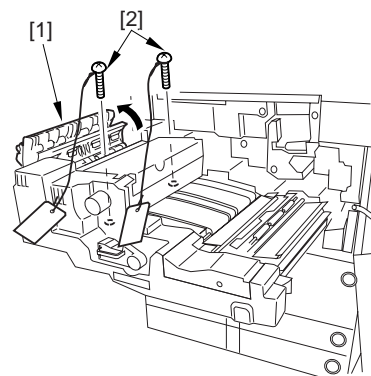


Be sure to remove any foreign matter (e.g., glue left behind by the tape [3]) from the feeding belt.



F-1-90

- 5) Remove the tape used to keep the tag in place, and open the top [1] of the fixing/feeding assembly; then, remove the 2 fixing nip releasing screws [2] at the front and rear.



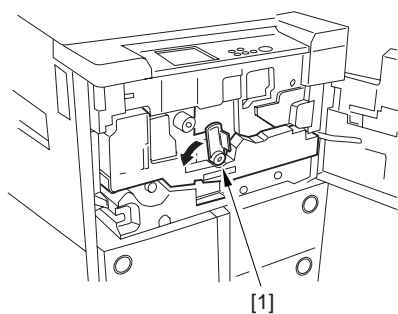
F-1-91

Close the top of the fixing/feeding unit.

1.2.12 Mounting the Fixing Assembly

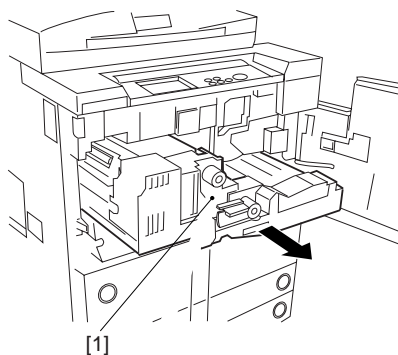
0007-2900

- 1) Open the front cover.
- 2) Shift down the fixing/feeding assembly releasing lever [1] in the direction of the arrow (left) to unlock the transfer/separation charging assembly.



F-1-92

- 3) Slide out the fixing/feeding unit [1] toward the front.

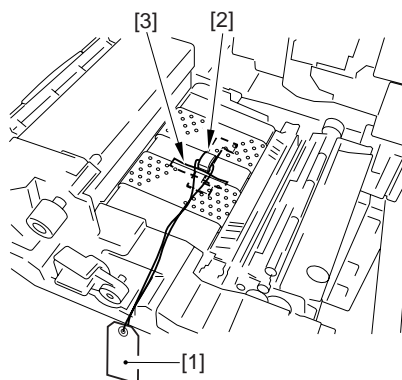


F-1-93

- 4) Remove the tag [1] of the fixing/feeding assembly and the separation releasing member [2].

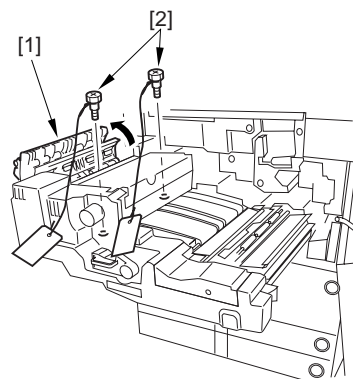


Be sure to remove any foreign matter (e.g., glue left behind by the tape [3]) from the feeding belt.



F-1-94

- 5) Remove the tape used to keep the tag in place, and open the top [1] of the fixing/feeding assembly; then, remove the 2 fixing nip releasing screws [2] at the front and rear.



F-1-95

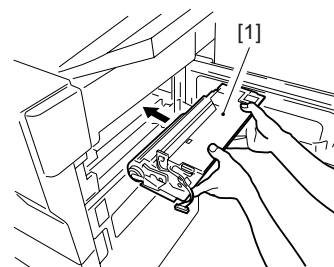
Close the top of the fixing/feeding unit.

1.2.13 Checking the Developing Assembly

0007-6638

iR105i/iR105+ / iR9070

- 1) Open the manual feed tray unit.
- 2) Take out the developing assembly from the package that comes with the machine.
Turn the developing cylinder by hand to check it for scratches.
- 3) Holding the developing assembly [1] as shown, mount it to the machine.

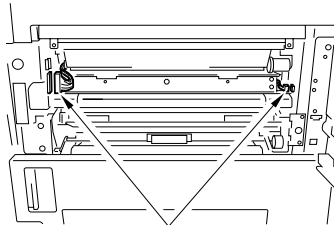


F-1-96



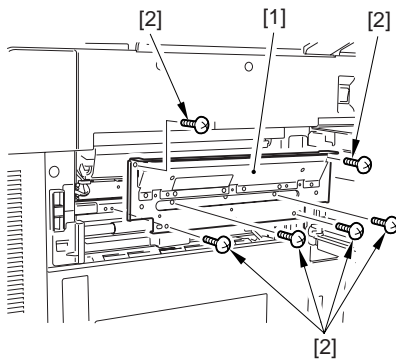
When mounting the developing assembly, fit it from a high position, and take care not to bring the developing cylinder into contact with the plate of the developing assembly base.

4) Connect the 2 connectors [1].



[1]
F-1-97

5) Secure the developing assembly locking unit [1] with the 6 TP screws [2] (M4x6; black) that come with the machine.

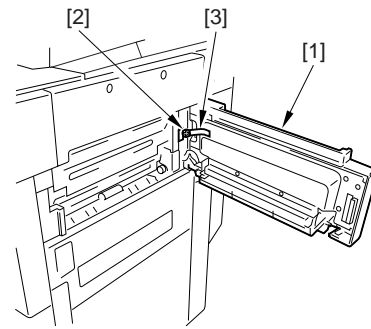


F-1-98



Be sure that the developing assembly locking unit is firmly in contact and is free of displacement to avoid image faults. (Particularly, it must not ride over the boss found at the bottom.)

6) Fit the door tape of the manual feed tray cover with a screw (M4x8; w/ washer: black).
(Keep the manual feed tray cover open).



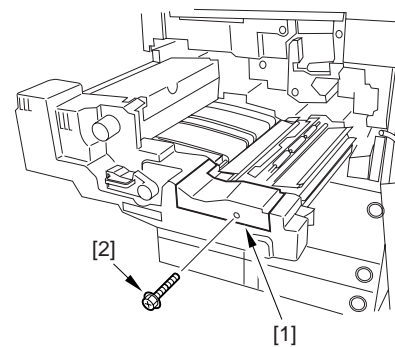
F-1-99

1.2.14 Mounting the Charging Assembly

0007-2902

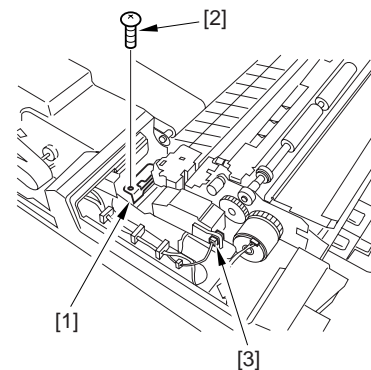
/ iR85+

1) Remove the screw [2], and detach the transfer/separation assembly front cover [1].



F-1-100

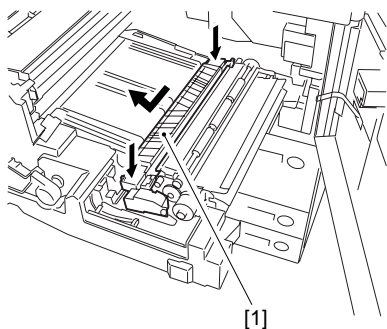
2) Remove the fixing [1] (1 screw [2]), and disconnect the connector [3].



F-1-101

- 3) While holding down the front and rear of the transfer/separation charging assembly [1], pull it by 1 cm toward the front; then, detach it toward the upper left.

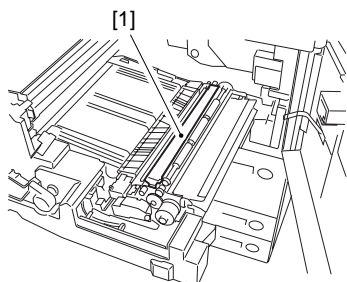
Using alcohol, clean the transfer/ separation charging wire.



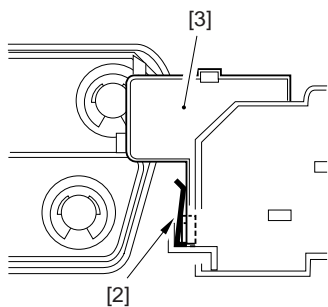
F-1-102

- 4) While keeping the following in mind, mount the transfer/separation charging assembly:

- The solvent must completely be dry.
- The gut wire must not be brought into contact with the transfer guide [1] to avoid a cut.
- The grounding plate [2] must be on the outside of the charging assembly frame [3] (See the figure).



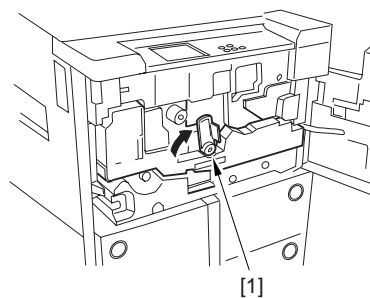
F-1-103



F-1-104

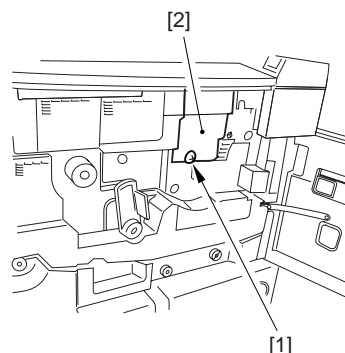
- 5) Connect the connector of the transfer/ separation charging assembly, and mount the fixing.
- 6) Using a screw, mount the toner/separation charging assembly front cover.

Push in the fixing/feeding assembly inside the machine, and shift the fixing/feeding assembly releasing lever [1] back into position.



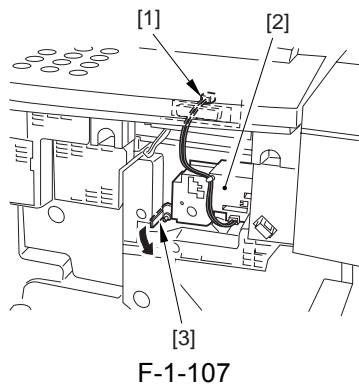
F-1-105

- 7) Remove the screw [1], and detach the primary charging assembly front cover [2].



F-1-106

- 8) Disconnect the connector [1], and release the locking lever [3] of the primary charging assembly [2]; then, take out the primary charging assembly. Using alcohol, clean the primary charging assembly and the grid wire.

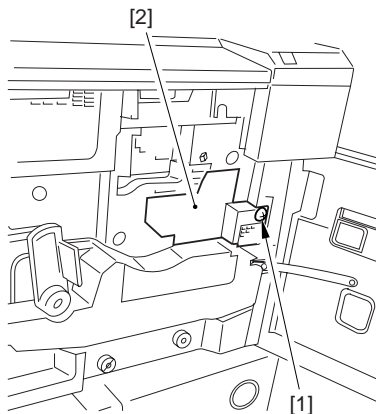


F-1-107



Do not start mounting work before the solvent has become completely dry.

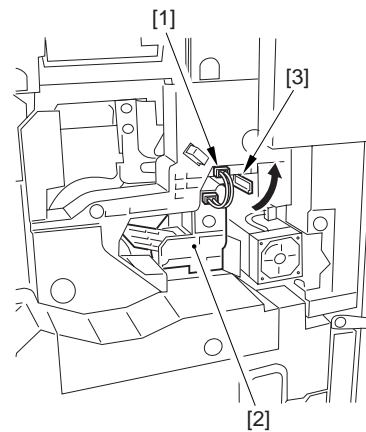
9) Remove the screw [1], and detach the pretransfer charging assembly cover [2].



F-1-108

10) Disconnect the connector [1], and release the locking lever [3] of the pre-transfer charging assembly [2]; then, take out the pre-transfer charging assembly.

Using alcohol, clean the pre-transfer charging wire.



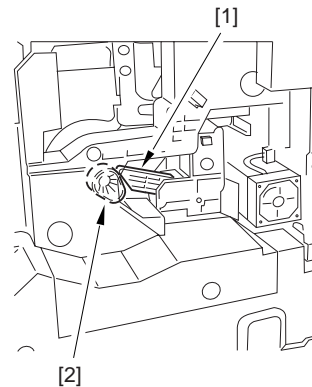
F-1-109

11) With the lock released, slide in the primary charging assembly, and connect the connector.



Check to make sure that the solvent is fully dry.

12) With the lock released, slide in the pretransfer charging assembly, and connect the connector.



F-1-110



- Check to make sure that the solvent is fully dry.
- Check to make sure that the one-way arm [1] of the pretransfer charging assembly is on the eccentric cam [2].

13) Mount the primary charging assembly cover and the pre-transfer charging assembly cover with a screw (1 pc. each).

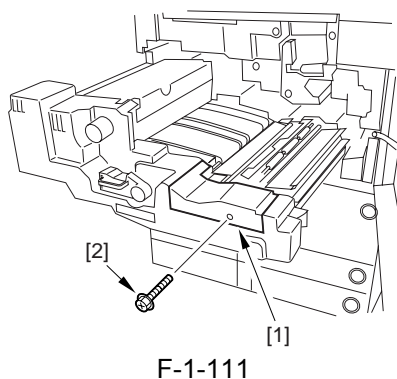
14) Close the front cover.

1.2.15 Mounting the Charging Assembly

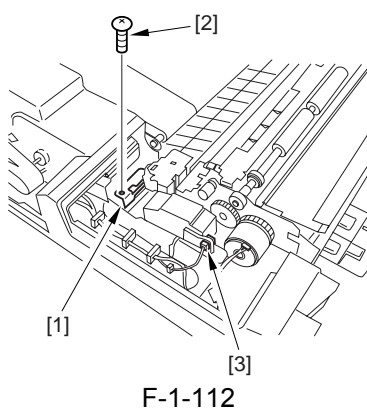
0007-2060

/ iR8070

- 1) Remove the screw [2], and detach the transfer/separation assembly front cover [1].

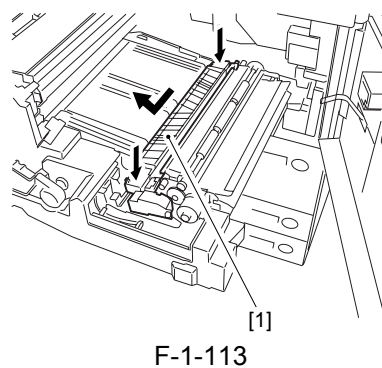


- 2) Remove the fixing [1] (1 screw [2]), and disconnect the connector [3].

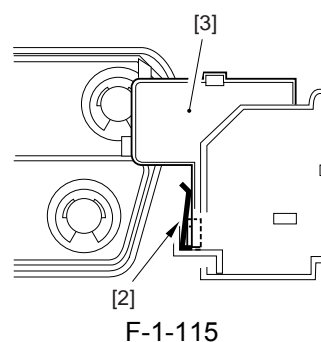
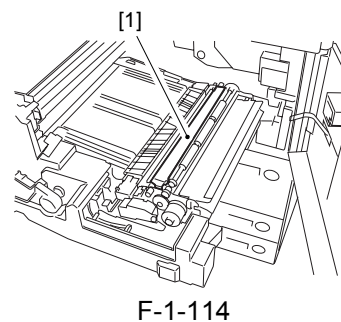


- 3) While holding down the front and rear of the transfer/separation charging assembly [1], pull it by 1 cm toward the front; then, detach it toward the upper left.

Using alcohol, clean the transfer/ separation charging wire.

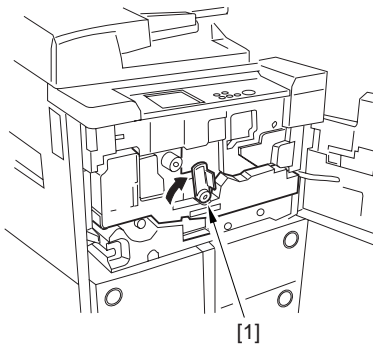


- 4) While keeping the following in mind, mount the transfer/separation charging assembly:
- The solvent must completely be dry.
 - The gut wire must not be brought into contact with the transfer guide [1] to avoid a cut.
 - The grounding plate [2] must be on the outside of the charging assembly frame [3] (See the figure).



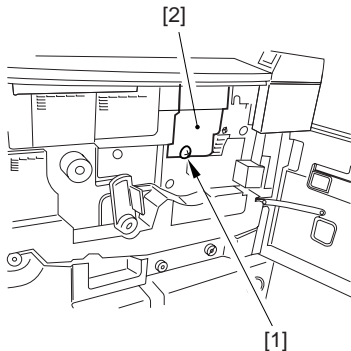
- 5) Connect the connector of the transfer/ separation charging assembly, and mount the fixing.
- 6) Using a screw, mount the toner/separation charging assembly front cover.
- Push in the fixing/feeding assembly inside the

machine, and shift the fixing/feeding assembly releasing lever [1] back into position.



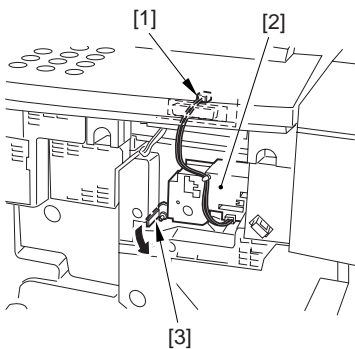
F-1-116

7) Remove the screw [1], and detach the primary charging assembly front cover [2].



F-1-117

8) Disconnect the connector [1], and release the locking lever [3] of the primary charging assembly [2]; then, take out the primary charging assembly. Using alcohol, clean the primary charging assembly and the grid wire.

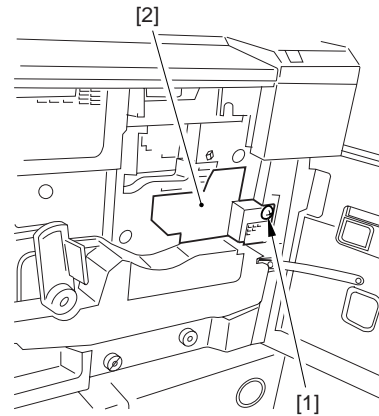


F-1-118



Do not start mounting work before the solvent has become completely dry.

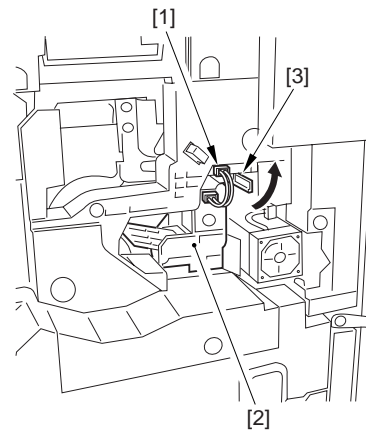
9) Remove the screw [1], and detach the pretransfer charging assembly cover [2].



F-1-119

10) Disconnect the connector [1], and release the locking lever [3] of the pre-transfer charging assembly [2]; then, take out the pre-transfer charging assembly.

Using alcohol, clean the pre-transfer charging wire.



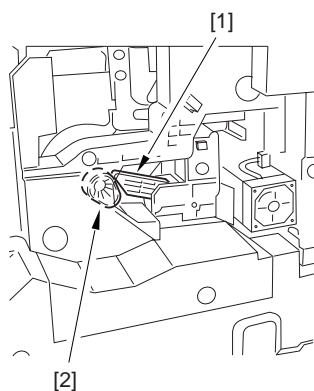
F-1-120

11) With the lock released, slide in the primary charging assembly, and connect the connector.



Check to make sure that the solvent is fully dry.

- 12) With the lock released, slide in the pretransfer charging assembly, and connect the connector.



F-1-121



- Check to make sure that the solvent is fully dry.
- Check to make sure that the one-way arm [1] of the pretransfer charging assembly is on the eccentric cam [2].

- 13) Mount the primary charging assembly cover and the pre-transfer charging assembly cover with a screw (1 pc. each).

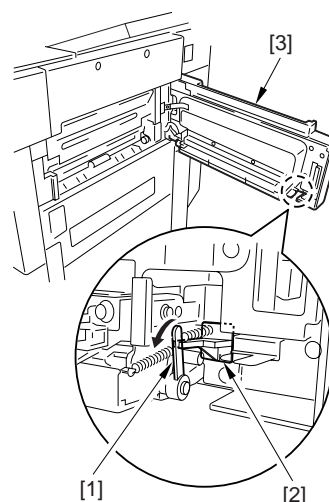
- 14) Close the front cover.

1.2.16 Mounting the Pickup Assembly

0007-6647

iR105i/iR105+ / iR9070

- 1) Shift down the lever [1] in the direction of the arrow, and remove the pickup roller releasing spacer [2].



F-1-122

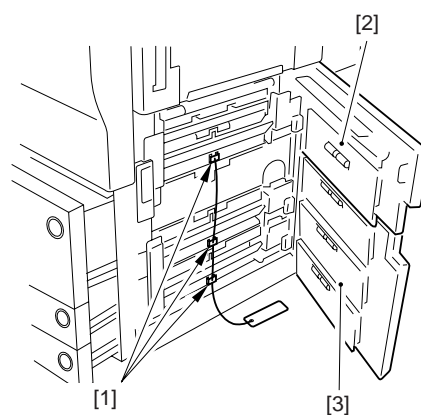
Close the manual feed tray unit [3].

- 2) Open the right upper cover and the right lower cover, and push the release buttons of the front deck (right) and cassette 3/4; then, slide them halfway out.

- 3) Remove the three pickup roller releasing spacers [1].

Close the upper vertical path cover [2] and the lower vertical path cover [3].

Fit the front deck (right) and the cassette 3/4 back in.



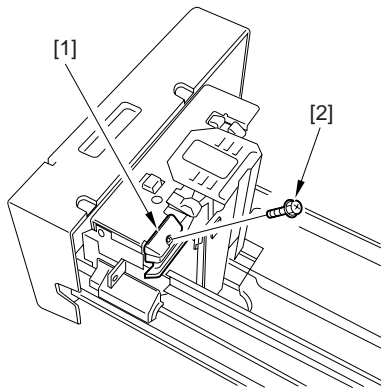
F-1-123

- 4) Press the releasing button of the front deck (left), and slide it to the front.

Secure the deck locking plate [1] to the front deck (left) with an RS tightening screw [2] (M4x10;

white).

Close the front deck (left).

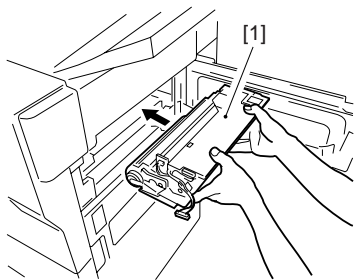


F-1-124

1.2.17 Checking the Developing Assembly 0007-3391

/ iR85+

- 1) Open the manual feed tray unit.
- 2) Take out the developing assembly from the package that comes with the machine.
Turn the developing assembly cylinder gear by hand, and check the cylinder for scratches.
- 3) Holding the developing assembly [1] as shown, fit it to the machine.

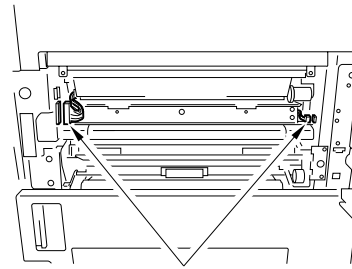


F-1-125



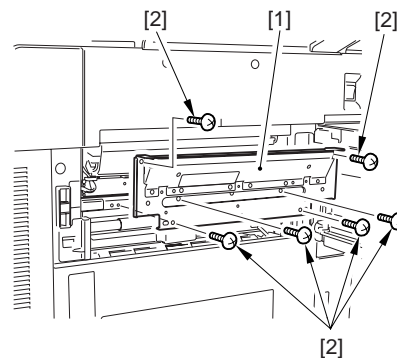
When fitting the developing assembly to the machine, lower it from above while taking care not to bring the developing cylinder into contact with the plate of the developing assembly base.

- 4) Connect the 2 connectors [2].



F-1-126

- 5) Secure the developing assembly locking unit [1] in place using the 6 TP screws [2] (M4X6; black).

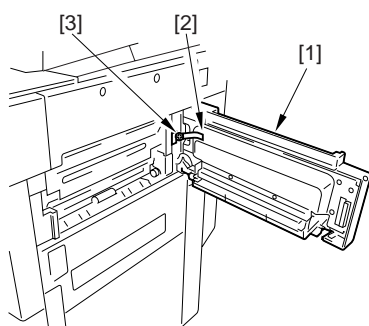


F-1-127



Check to make sure that the developing assembly locking unit is firmly in contact; otherwise, image faults can occur (In particular, be sure it is not riding over the boss at the bottom).

- 6) Fit the door tape of the manual feed tray cover with a screw (M4x8; w/ washer: black).
(Keep the manual feed tray cover open).

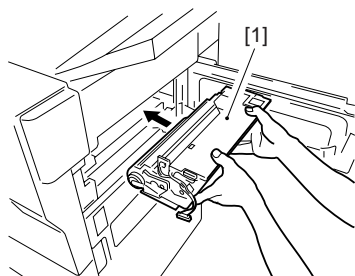


F-1-128

1.2.18 Checking the Developing Assembly 0007-2141

/ iR8070

- 1) Open the manual feed tray unit.
- 2) Take out the developing assembly from the package that comes with the machine.
Turn the developing assembly cylinder gear by hand, and check the cylinder for scratches.
- 3) Holding the developing assembly [1] as shown, fit it to the machine.

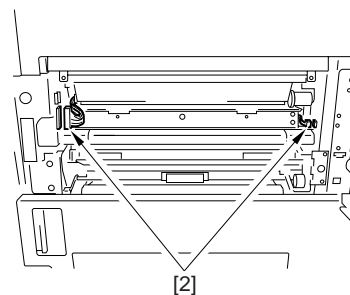


F-1-129



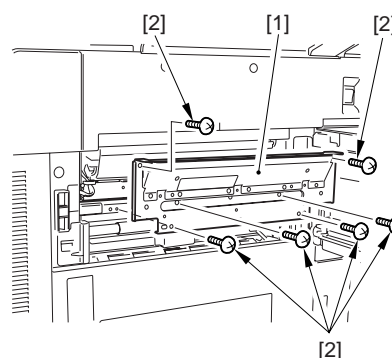
When fitting the developing assembly to the machine, lower it from above while taking care not to bring the developing cylinder into contact with the plate of the developing assembly base.

- 4) Connect the 2 connectors [2].



F-1-130

- 5) Secure the developing assembly locking unit [1] in place using the 6 TP screws [2] (M4X6; black).

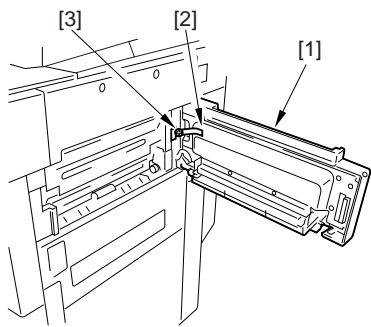


F-1-131

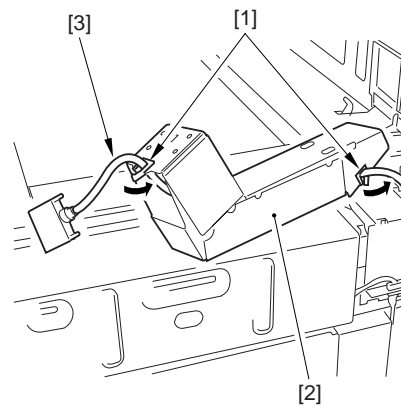


Check to make sure that the developing assembly locking unit is firmly in contact; otherwise, image faults can occur (In particular, be sure it is not riding over the boss at the bottom).

- 6) Fit the door tape of the manual feed tray cover with a screw (M4x8; w/ washer: black).
(Keep the manual feed tray cover open).



F-1-132



F-1-134

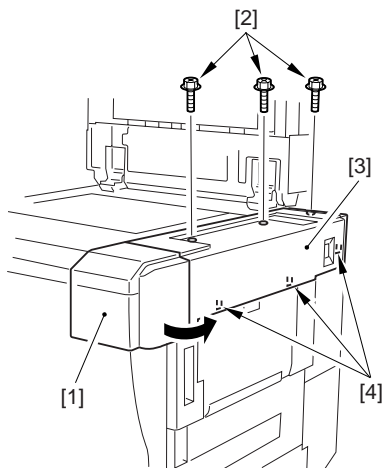
1.2.19 Mounting the Control Panel

0007-6660

iR105i/iR105+ / iR9070

- 1) Open the toner cartridge cover [1], and remove the 3 RS tightening screws [2]; then, detach the upper right cover [3] while paying attention to the three claws [4] found inside the upper right cover.

When detaching it, be sure to lift the claw side of the upper right cover.



F-1-133

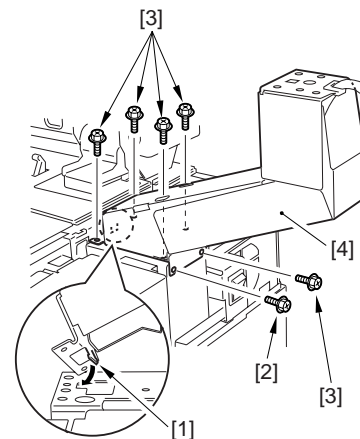
- 2) Open the 2 edge saddles [1] of the lower arm [2], and thread the control panel harness [3] through the lower arm.

At this time, keep the control panel harness routed to the connector side so that it will not be slack.

Close the 2 edge saddles.

- 3) Fit the claw [1] found at the bottom of the lower arm [4] into the copier.

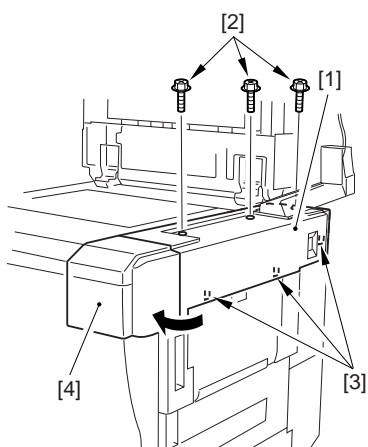
Fit the RS tightening screw [2] (M4x10) of the right front; after positioning, fit the remaining 5 RS tightening screws [3] (M4x10) to secure the lower arm [4].



F-1-135

- 4) Mount the upper right cover [1] with 3 RS tightening screws [2].

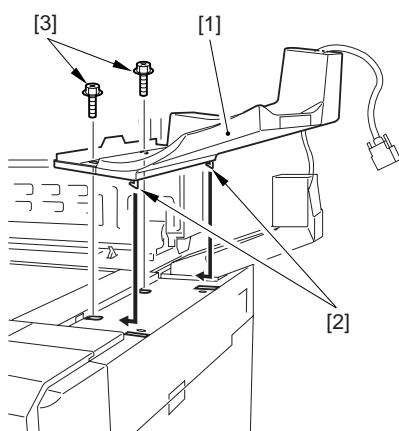
At this time, check to make sure that the 3 claws [3] inside are fully engaged and the over is firmly in contact.



F-1-136

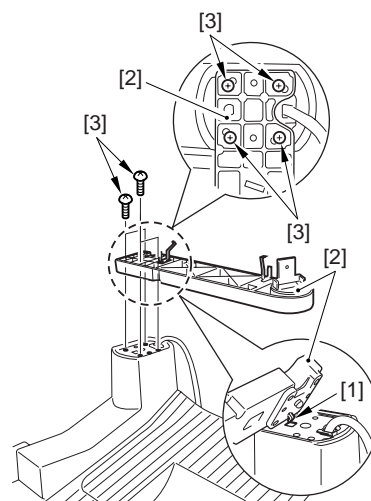
Close the toner cartridge cover [4].

- 5) Put the original delivery tray [1] over the lower arm, and hook the 2 claws [2] found at the bottom for the original delivery tray in the notches of the right upper cover; check that there is no gap, and then secure it in place with 2 RS tightening screws [3] (M4x10).



F-1-137

- 6) Hook the claw [1] of the upper arm [2] on the hole in the lower arm, and temporarily fix the upper arm in place with 4 binding screws [3] (M4x14).

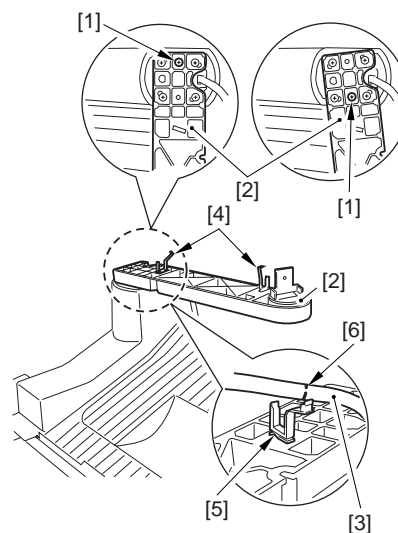


F-1-138

- 7) Fit the positioning binding screw [1] (M4x14) so that the upper arm [2] is at the angle desired by the user; then, fully tighten the binding screw that was temporarily tightened.

Lead the control panel harness [3] through the 2 wire saddles [4].

At this time, check to make sure that the wire saddle [5] at the rear matches the marking [6] on the control panel harness.

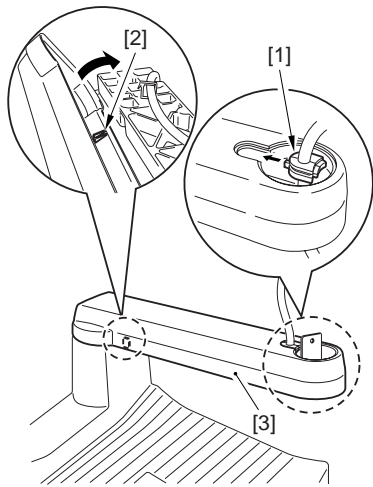


F-1-139

- 8) Pinch the control panel harness with a harness clip [1], and fit it to the upper arm.

Hook the claw [2] found on the left side of the fate

upper arm cover [3], and put it over the upper arm.

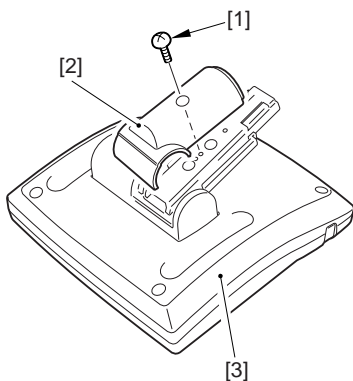


F-1-140



Keep the harness clip [1] so that the side with a protrusion (thicker side) is at the bottom. The harness clip [1] will separate into two during the work. Continue the work, as it will not affect its function.

9) Remove the binding screw [1], and detach the rear support cover [2] of the control panel unit [3].

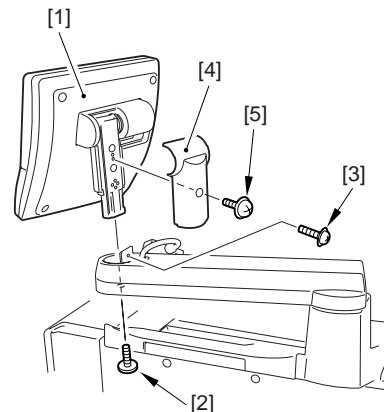


F-1-141

10) Put the control panel unit [1] on the upper arm, and secure it in place with a flat-head screw [2] (M4x10) and a W sems screw [3] (M4x12).

Mount the rear support cover [4] with a binding

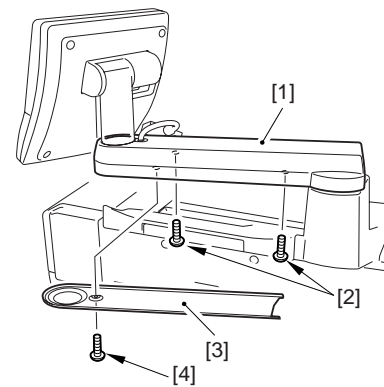
screw [5].



F-1-142

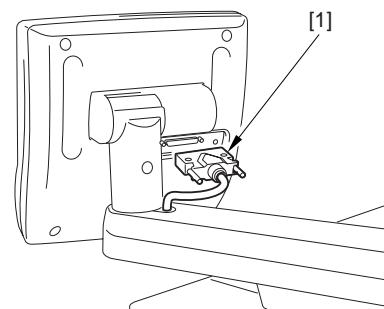
11) Secure the upper arm cover [1] with 2 P tightening screws [2] (M4x10).

Mount the lower arm cover [3] with a binding screw [4] (M4x6).



F-1-143

12) Connect the connector [1] of the control panel harness to the control panel unit.



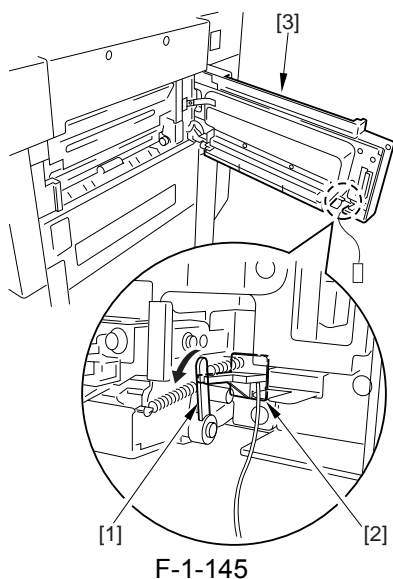
F-1-144

1.2.20 Mounting the Pickup Assembly

0007-3393

/ iR85+

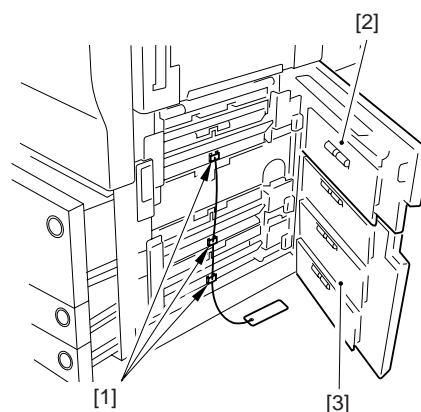
- 1) Shift the lever [1] in the direction of the arrow, and remove the pickup roller releasing spacer [2] identified by a tag.



F-1-145

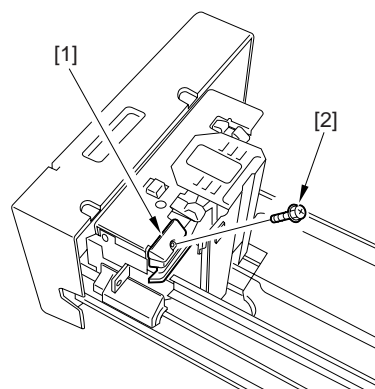
Close the manual feed tray unit [3].

- 2) Open the right upper cover and right lower cover; then, press the releasing buttons of the front deck (right) and cassettes 3 and 4, and slide them out halfway.
- 3) Remove the 3 pickup roller releasing spacers [1]. Close the right upper cover [2] and right lower cover [3]. Slide back the front deck (right) and cassettes 3 and 4.



F-1-146

- 4) Press the releasing button of the front deck (left), and slide it out to the front. Secure the deck locking plate [1] that comes with the machine to the front deck (left) using an RS tightening screw [2] (M4x10; white). Close the front deck (left).



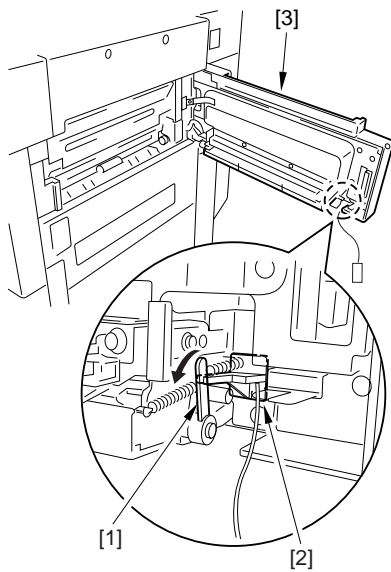
F-1-147

1.2.21 Mounting the Pickup Assembly

0007-2352

/ iR8070

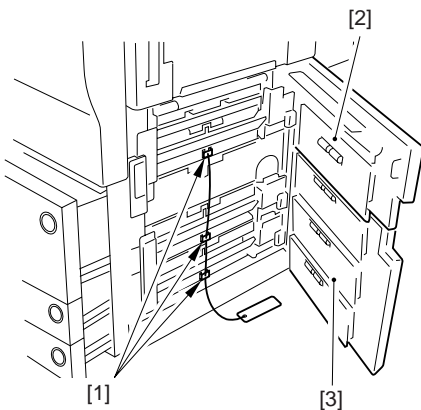
- 1) Shift the lever [1] in the direction of the arrow, and remove the pickup roller releasing spacer [2] identified by a tag.



F-1-148

Close the manual feed tray unit [3].

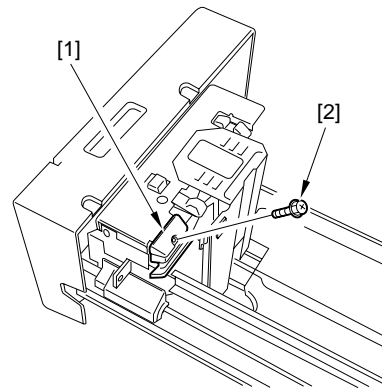
- 2) Open the right upper cover and right lower cover; then, press the releasing buttons of the front deck (right) and cassettes 3 and 4, and slide them out halfway.
- 3) Remove the 3 pickup roller releasing spacers [1]. Close the right upper cover [2] and right lower cover [3]. Slide back the front deck (right) and cassettes 3 and 4.



F-1-149

- 4) Press the releasing button of the front deck (left), and slide it out to the front. Secure the deck locking plate [1] that comes with the

machine to the front deck (left) using an RS tightening screw [2] (M4X10; white). Close the front deck.

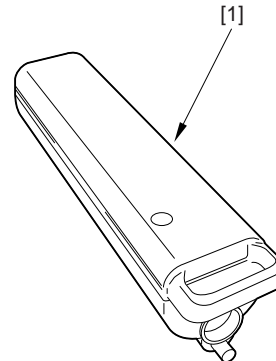


F-1-150

1.2.22 Supplying the Toner 0007-6682

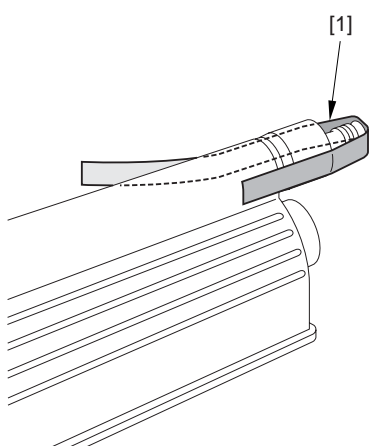
iR105i/iR105+ / iR9070

- 1) Take out the toner cartridge [1] for the packaging box.



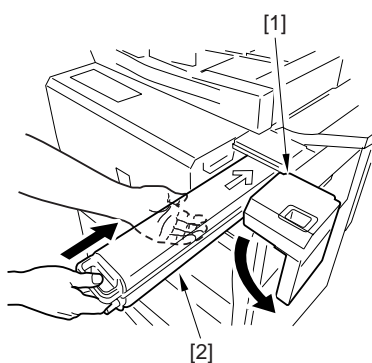
F-1-151

- 2) Remove the fixing tape [1].



F-1-152

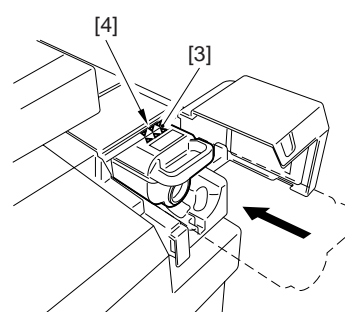
- 3) Open the toner cartridge cover [1], and fit the toner cartridge [2] from the front of the copier.



F-1-153



Be sure to insert the toner cartridge so that the ▲ marking [3] on it matches the ▼ marking [4] on the copier.



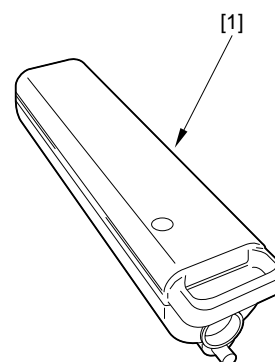
F-1-154

- 4) Close the hopper cover.

1.2.23 Supplying the Toner 0008-9182

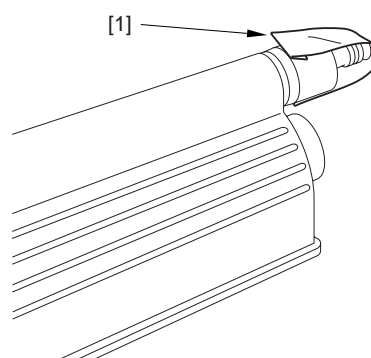
iR85+

- 1) Take out the toner cartridge [1] from the package.



F-1-155

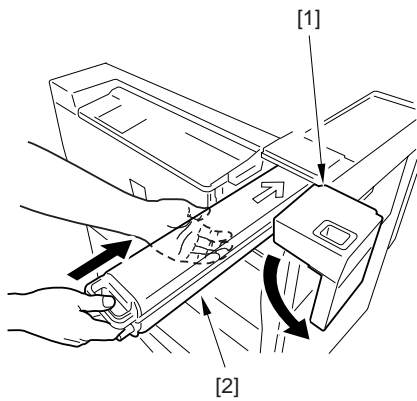
- 2) Remove the fixing tape [1].



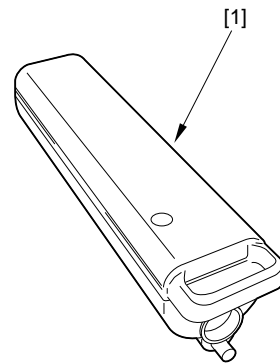
F-1-156

- 3) Open the hopper cover [1], and insert the toner

cartridge [2] from the front of the machine.

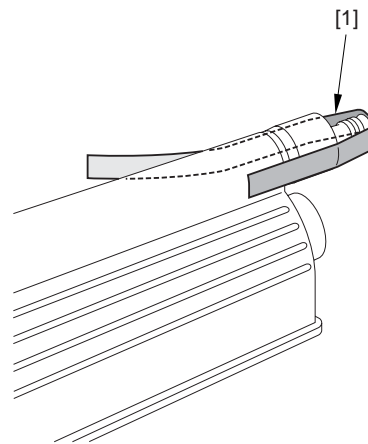


F-1-157



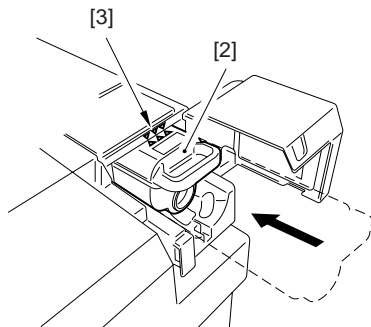
F-1-159

2) Remove the fixing tape [1].



F-1-160

3) Open the hopper cover [1], and insert the toner cartridge [2] from the front of the copier.



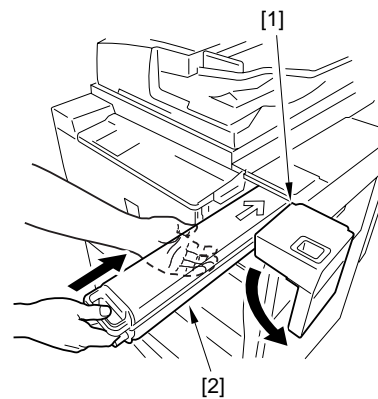
F-1-158

4) Close the hopper cover.

1.2.24 Supplying the Toner 0007-2357

/ iR8070

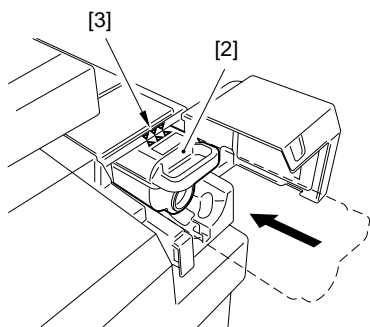
1) Take out the toner cartridge [1] from the package.



F-1-161



Be sure to insert the toner cartridge so that its ▲ marking and the copier's ▼ marking match [3].

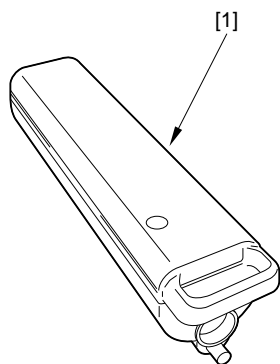


F-1-162

4) Close the hopper cover.

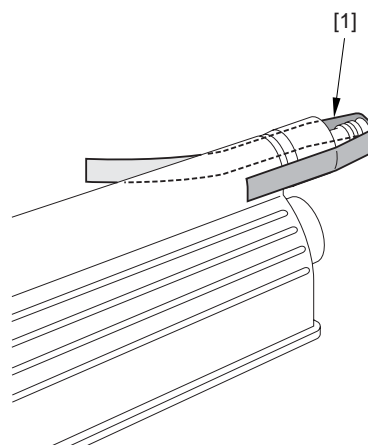
1.2.25 Supplying the Toner 0007-3398

1) Take out the toner cartridge [1] from the package.



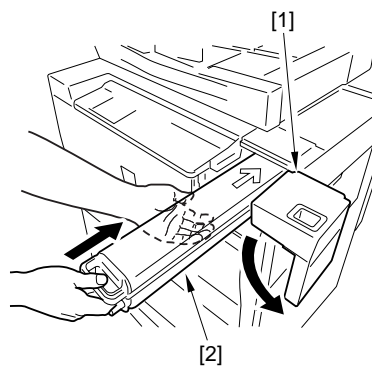
F-1-163

2) Remove the fixing tape [1].



F-1-164

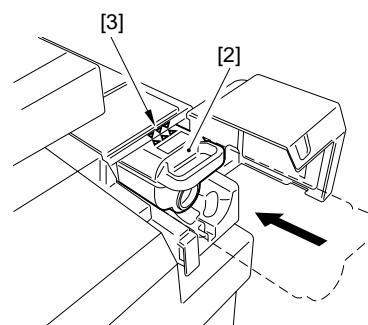
3) Open the hopper cover [1], and insert the toner cartridge [2] from the front of the copier.



F-1-165



Be sure to insert the toner cartridge so that its ▲ marking and the copier's ▼ marking match [3].



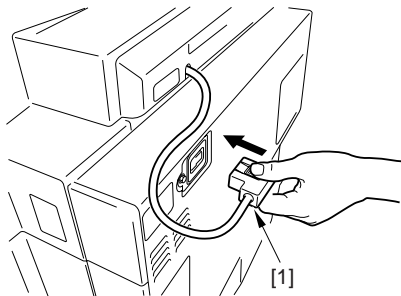
F-1-166

4) Close the hopper cover.

1.2.26 Mounting the ADF 0007-6686

iR105i/iR105+ / iR9070

- 1) Remove the air cap from the connector/power supply cable of the ADF.
- 2) Fit the ADF connector [1] into the socket found at the back of the copier.

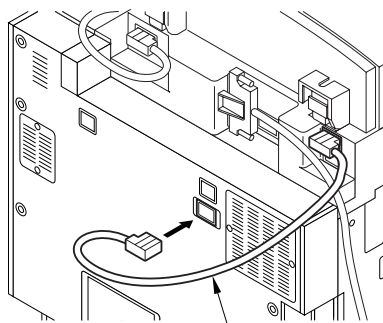


F-1-167

1.2.27 Connectors 0007-2400

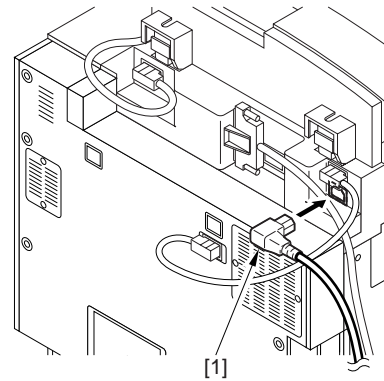
/ iR8070

- 1) Connect the cable [1] for the environment heater.



F-1-168

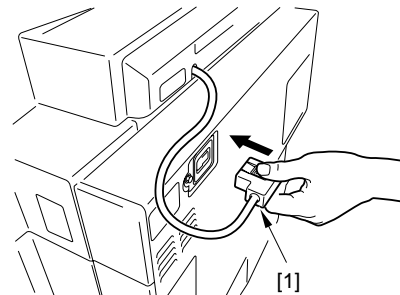
- 2) As needed, connect the reader unit anticondensation heater cable [1].



F-1-169

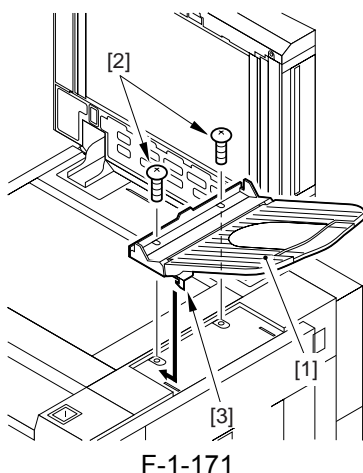
1.2.28 Installing the ADF 0007-3508

- 1) Remove the air cap from the connector/power supply cable of the ADF.
- 2) Connect the ADF connector [1] to the socket found at the back of the copier.



F-1-170

- 3) With the ADF open, mount the ADF original tray [1] using 2 RS tightening screws [2] (M4X8; white).



F-1-171



When mounting, fit the hook [3] of the ADF tray into the notch in the copier; then, slide it to the left, and secure it with screws.

1.2.29 Cassette

0007-6693

iR105i/iR105+ / iR9070



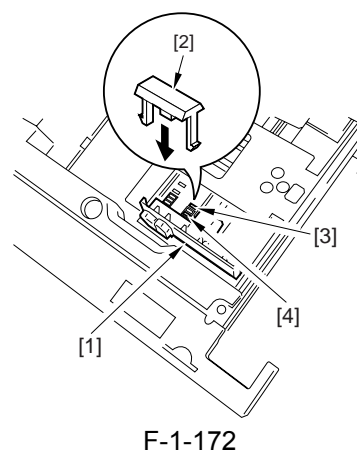
Perform this step if the user is not planning to use Inch papers.

- 1) Press the releasing buttons of the cassette 3 and 4, and slide out the cassettes to the front; then, take out the packing material.
- 2) Set the side guide plate [1] of the cassette (3/4) against the hole (A4/A3) identified by the marking M.

Fit the non-inch block [2] that comes with the machine into the following hole, making sure that it will not be pushed up from inside the cassette.

Hole with marking A [3]: STMT-R

Hole with marking H [4]: LTR-R



F-1-172

1.2.30 Cassette

0007-3510

/ iR85+

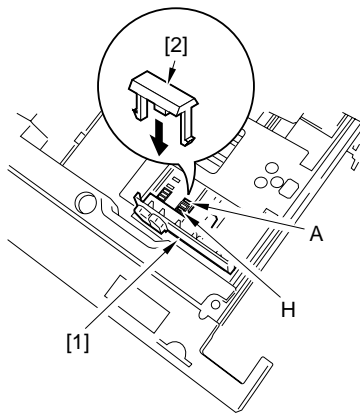


Go through the following steps only if Inch-configured paper is not going to be used.

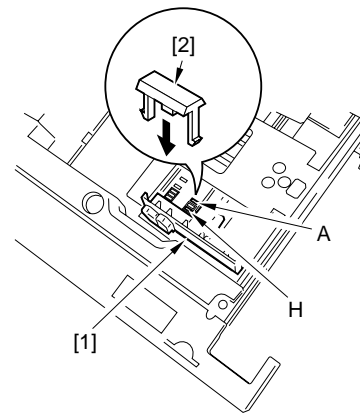
- 1) Press the releasing buttons of cassettes 3 and 4, and slide out the cassettes to remove the packing material.
- 2) Set the side guide plate [1] of cassettes 3 and 4 into the hole (A4/A3) identified by the marking M. Fit the non-Inch tab [2] that comes with the machine into the hole identified by the following marking, making sure that it will not be pushed up from inside the cassette:

A:STMT-R

H:LTR-R



F-1-173



F-1-174

1.2.31 Cassette

0007-2402

/ iR8070



Go through the following steps only if Inch-configured paper is not going to be used.

- 1) Press the releasing buttons of cassettes 3 and 4, and slide out the cassettes to remove the packing material.
- 2) Set the side guide plate [1] of cassettes 3 and 4 into the hole (A4/A3) identified by the marking M. Fit the non-Inch tab [2] that comes with the machine into the hole identified by the following marking, making sure that it will not be pushed up from inside the cassette:

A:STMT-R

H:LTR-R

1.2.32 Index Paper Attachment

0007-6700

iR105i/iR105+ / iR9070

- 1) Decide on either cassette 3 or 4 for use for index paper.

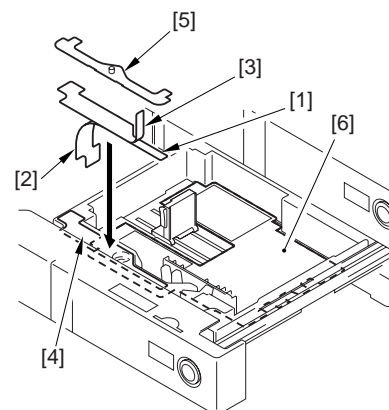
Press the releasing button for the cassette, and slide it out to the front.

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-1-175

1.2.33 Index Paper

Attachment

0007-3511

/ iR85+

- 1) Decide on either cassette 3 or 4 for use for index paper.

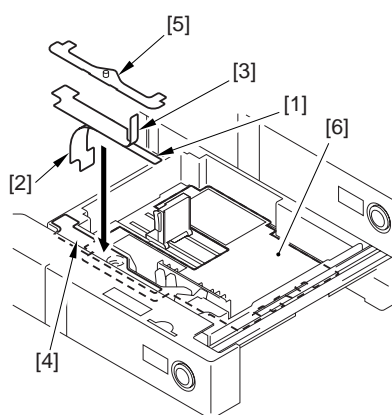
Press the releasing button for the cassette, and slide it out to the front.

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-1-176

1.2.34 Index Paper

Attachment

0007-2404

/ iR8070

- 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.

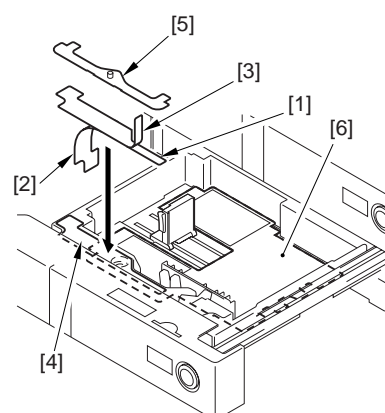
Match the 2 one-touch supports [1] against the holes [2] in the cassette; then, push in the pins to fix them in place.

- 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-1-177

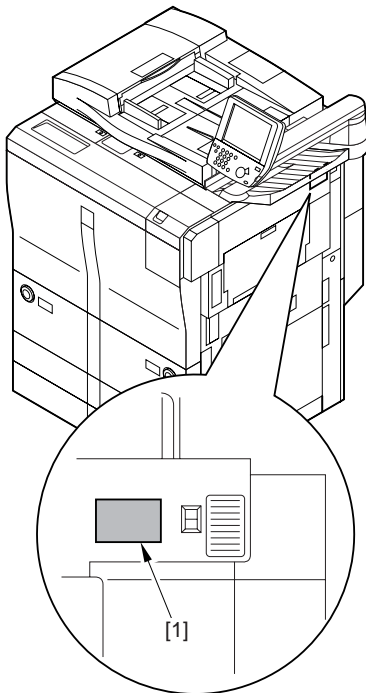
1.2.35 Other attachment

0008-3481

iR105i/iR105+ / iR9070

- Shut-Down Warning Label

- 1) Select the Shut-Down Warning label [1] of the appropriate language; then, attach it to the left of the main power switch of the machine's right cover (rear).



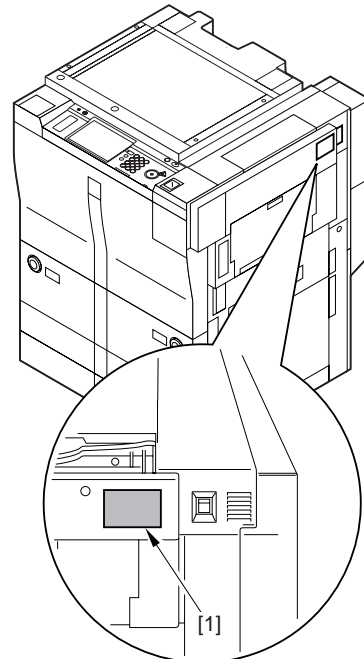
F-1-178

1.2.36 Other attachment 0008-9183

iR85+

- Shut-Down Warning Label

- 1) Select the Shut-Down Warning label [1] of the appropriate language; then, attach it to the left of the main power switch of the machine's right cover (ear).

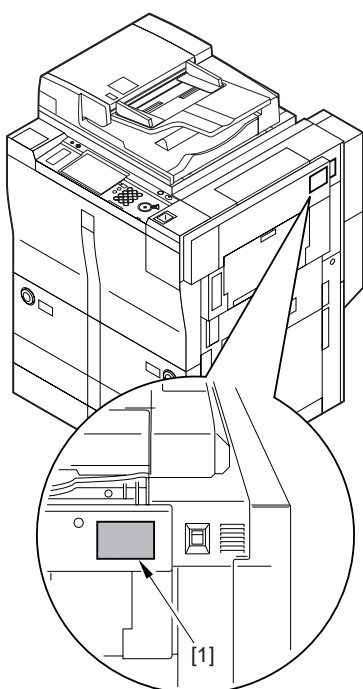


F-1-179

1.2.37 Other attachment 0008-3804

- Shut-Down Warning Label

- 1) Select the Shut-Down Warning label [1] of the appropriate language; then, attach it to the left of the main power switch of the machine's right cover (rear).



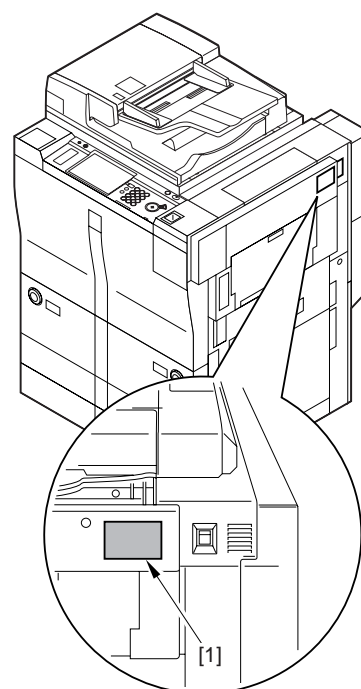
F-1-180

1.2.38 Other attachment 0008-3840

/ iR8070

- Shut-Down Warning Label

- 1) Select the Shut-Down Warning label [1] of the appropriate language; then, attach it to the left of the main power switch of the machine's right cover (rear).



F-1-181

1.2.39 Attaching the Labels, Setting Paper, Checking Images/ Operations, and User Mode 0007-6730

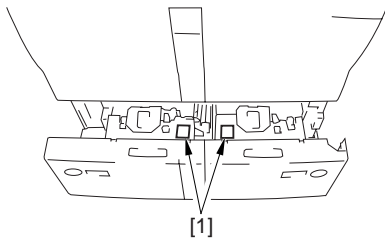
iR105i/iR105+ / iR9070

- 1) Check to make sure that the front deck and the cassette are free of any packing material.
- 2) Connect the power plug to the power outlet, and turn on the main power switch.
 - Adjust the contrast of the control panel display using the Image Contrast dial for the best view, and advise the user on the use of the dial.
 - Check to see that the Add Paper message goes ON.
 - Press the keys on the keypad and the Clear key to see that the copy count is correctly indicated.
- 3) Check with the user to decide on a paper size.
- 4) Press the release button, and slide out the right/left deck.



To change the size of the front deck (right/left), refer to 2.14.

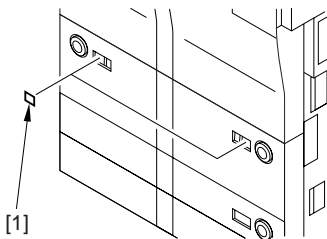
5) Attach the 3-Hole Paper Set labels [1].



F-1-182

6) Put paper in the right/left deck.

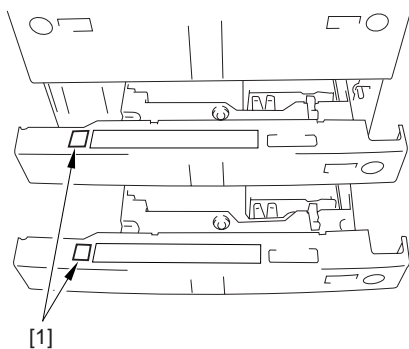
7) Push in the right/left deck. Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-183

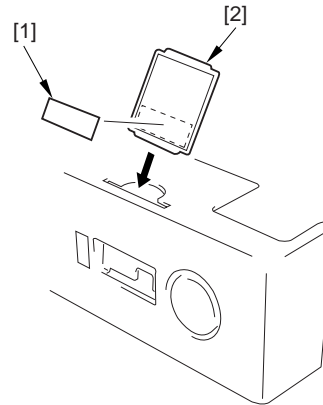
8) Press the release button, and slide out the cassette 3/4.

9) Attach the 3-Hole Paper Set labels [1].



F-1-184

10) Peel off the appropriate cassette size label [1] from the liner of the size label (cassette/deck), and attach it on the paper size plate [2] of the cassette. Put the paper size plate in place on the cassette cover.



F-1-185

11) Push in the cassettes into the copier.

12) Start service mode.

MEMO

Starting Service mode

- Press the Additional Function key.
- Press the '2' and '8' keys at the same time on the keypad.
- Press the Additional Function key.



Never turn off the power while the machine is in operation.

13) Make the following selections:
COPIER>FUNCTION>INSTALL>TONERS.

14) See that the following message has appeared: 'Check the Developer'.

15) Check to see that the developing assembly and the developing assembly locking plate are correctly mounted; then, press the OK key.

16) The machine starts to supply toner. (about 10 min; progress shown on display by count-down)

17) At the end, make the following selections to generate 2 A3 solid black copies to ensure stable images:

-
- 18) COPIER>TEST>PG>PG_PICK.
 - 19) Enter the number of the source of paper containing A3 paper, and press the OK key.
('3' for cassette 3, or '4' for cassette 4)
 - 20) Make the following selections:
COPIER>TEST>PG>TYPE.
 - 21) Enter '7', and press the OK key.
('7' for solid black; PG-TYPE6)
 - 22) Preset the Start key twice to generate 2 solid black copies (A3).
 - 23) At the end, press the Reset key twice to end service mode.
 - 24) Place the Test Sheet on the copyboard glass, and check the copy image.
Check to make sure that pickup from each source of paper is normal. (Make 3 test copies each from the decks and the cassettes.)
 - Check to make sure that there is no abnormal noise.
 - Check the quality of copy images for each default ratio.
 - Check to make sure that as many copies as set are made.
 - Check to make sure that copying operation is normal.
 - If there is a difference in density between left and right, adjust the height of the rear of the primary charging assembly.



The first 10 copies or so may show soiled images because of toner dropping from the drum separation claw. This symptom will disappear as more and more copies are made.

- 25) Make double-sided copies, and check the operation.
- 26) Make user mode and service mode settings to suit the needs of the user.
- 27) Press the Rest key twice to end service mode.
- 28) Clean up the area around the copier.
- 29) Move the copier to its final location, and secure it in place using the adjusters.

- 30) If you are installing accessories, do so by referring to the Installation Procedure that comes with each accessory.

MEMO

For the Card Reader-D1, see 4.1 "Installing the Card Reader-D1."

- 31) Fill out the Service Sheet.

1.2.40 Attaching the Labels, Setting Paper, Checking Images/Operations, and User Mode

0008-9184

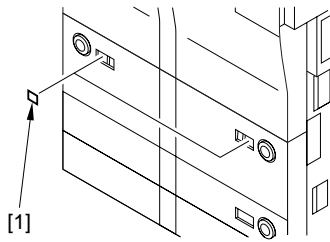
iR85+

- 1) Check to make sure that the front deck and the cassette are free of any packing material.
- 2) Connect the power plug to the power outlet, and turn on the main power switch.
 - Adjust the contrast of the control panel display using the Image Contrast dial for the best view, and advise the user on the use of the dial.
 - Check to see that the Add Paper message goes ON.
 - Press the keys on the keypad to see that they are correctly responded.
- 3) Check with the user to decide on a paper size.
- 4) Press the release button, and slide out the right/left deck.



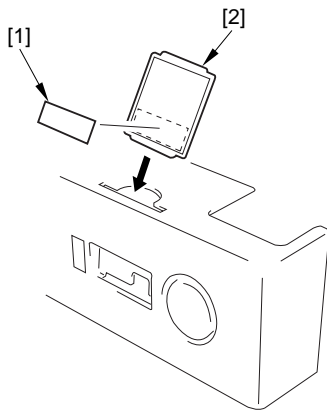
To change the size of the front deck (right/left), refer.

- 5) Put paper in the right/left deck.
- 6) Push in the right/left deck. Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-186

- 7) Press the release button, and slide out the cassette 3/4.
- 8) Peel off the appropriate cassette size label [1] from the liner of the size label (cassette/deck), and attach it on the paper size plate [2] of the cassette. Put the paper size plate in place on the cassette cover.



F-1-187

- 9) Push in the cassettes into the machine.
- 10) Start service mode.

MEMO

Starting Service mode

- Press the Additional Function key.
- Press the '2' and '8' keys at the same time on the keypad.
- Press the Additional Function key.



Never turn off the power while the machine is in operation.

- 11) Make the following selections:

COPIER>FUNCTION>INSTALL>TONERS.

- 12) See that the following message has appeared: 'Check the Developer'.
- 13) Check to see that the developing assembly and the developing assembly locking plate are correctly mounted; then, press the OK key.
- 14) The machine starts to supply toner (about 10 min; progress shown on display by count-down).
- 15) At the end, make the following selections to generate 2 A3 solid black copies to ensure stable images:
 - 16) COPIER>TEST>PG>PG_PICK.
 - 17) Enter the number of the source of paper containing A3/11x17 paper, and press the OK key ('3' for cassette 3, or '4' for cassette 4).
 - 18) Make the following selections: COPIER>TEST>PG>TYPE.
 - 19) Enter '7', and press the OK key ('7' for solid black; PG-TYPE7).
 - 20) Press the Help key to generate a single solid black (A3) prints. Check the output, and wait for about 5 sec; then, press the Help key once again to generate a second prints.
 - 21) At the end, press the Reset key twice to end service mode.
 - 22) Make test prints, and check images.

Check to make sure that pickup from each source of paper is normal (Make 3 test prints each from the decks and the cassettes).

- Check to make sure that there is no abnormal noise.
- Check to make sure that printing operation is normal.
- If there is a difference in density between left and right, adjust the height of the rear of the primary charging assembly.



The first 10 prints or so may show soiled images because of toner dropping from the drum separation claw. This symptom will disappear as more and more prints are made.

- 23) Make double-sided prints, and check the operation.
- 24) Press the Rest key twice to end service mode.
- 25) If the user tends to use thick paper or index paper or often use cover/interleaf mode or otherwise is a high volume user, change the following service mode settings:
COPIER>OPTION>BODY>TEMP-TBL (Level 2)"5"(Default)->"0"

MEMO:

Starting Service Mode (Level 2)

- Press the Additional Function key.
 - Press the 2 and 8 keys on the keypad at the same time.
 - Press the Additional Function key.
- Press the Additional Function key and the 2 key in succession.

- 26) Clean up the area around the machine.
- 27) Move the machine to its final location, and secure it in place using the adjusters.
- 28) If you are installing options, do so by referring to the Installation Procedure that comes with each option.

MEMO

For the Card Reader-D1, see "Installing the Card Reader-D1."

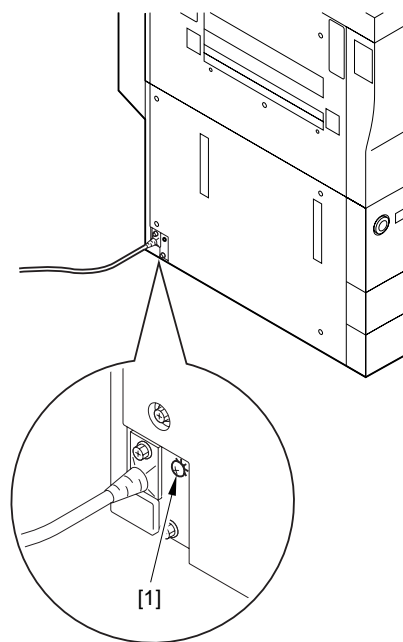
- 29) Fill out the Service Sheet.

1.2.41 Attaching the Labels, Setting Paper, Checking Images/Operations, and User Mode

0007-2610

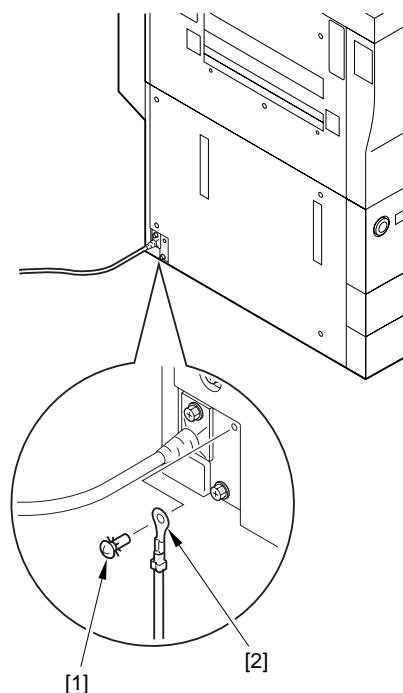
/ iR8070

- 1) Check to make sure that the front deck and the cassette are free of any packing material.
- 2) Remove the screw [1] from the machine.



F-1-188

- 3) Connect the grounding wire [2] to the copier using the screw [1] removed in step 2).



F-1-189



Check to make sure that the grounding wire is correctly secured; otherwise, the leakage breaker may fail to operate normally.

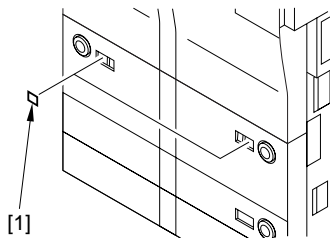
Point of Grounding

1. Grounding terminal in a power outlet.
2. Copper rod buried in the ground to a depth of 75 cm or more.
3. Grounding terminal prepared under appropriate Government regulations.
- 4) Connect the power plug to the power outlet, and turn on the main power switch.
- Adjust the contrast of the control panel display using the Image Contrast dial for the best view, and advise the user on the use of the dial.
- Check to see that the Add Paper message goes ON.
- Press the keys on the keypad and the Clear key to see that the copy count is correctly indicated.
- 5) Check with the user to decide on a paper size.
- 6) Press the release button, and slide out the right/left deck.



To change the size of the front deck (right/left), refer.

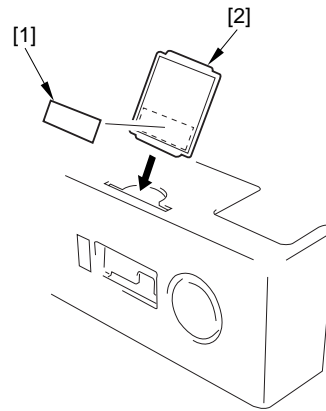
- 7) Put paper in the right/left deck.
- 8) Push in the right/left deck. Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-190

- 9) Press the release button, and slide out the cassette 3/4.
- 10) Peel off the appropriate cassette size label [1] from

the liner of the size label (cassette/deck), and attach it on the paper size plate [2] of the cassette. Put the paper size plate in place on the cassette cover.



F-1-191

- 11) Push in the cassettes into the copier.
- 12) Start service mode.

MEMO

Starting Service mode

- Press the Additional Function key.
- Press the '2' and '8' keys at the same time on the keypad.
- Press the Additional Function key.



Never turn off the power while the machine is in operation.

- 13) Make the following selections: COPIER>FUNCTION>INSTALL>TONERS.
- 14) See that the following message has appeared: 'Check the Developer'.
- 15) Check to see that the developing assembly and the developing assembly locking plate are correctly mounted; then, press the OK key.
- 16) The machine starts to supply toner (about 10 min; progress shown on display by count-down).
- 17) At the end, make the following selections to generate 2 A3 solid black copies to ensure stable images:
- 18) COPIER>TEST>PG>PG_PICK.

- 19) Enter the number of the source of paper containing A3 paper, and press the OK key ('3' for cassette 3, or '4' for cassette 4).
- 20) Make the following selections: COPIER>TEST>PG>TYPE.
- 21) Enter '7', and press the OK key ('7' for solid black; PG-TYPE7).
- 22) Press the Start key to generate a single solid black (A3) copy. Check the output, and wait for about 5 sec; then, press the Start key once again to generate a second copy.
- 23) At the end, press the Reset key twice to end service mode.
- 24) Make test prints, and check images.
 - Check to make sure that pickup from each source of paper is normal (Make 3 test copies each from the decks and the cassettes).
 - Check to make sure that there is no abnormal noise.
 - Check the quality of copy images for each default ratio.
 - Check to make sure that as many copies as set are made.
 - Check to make sure that copying operation is normal.
 - If there is a difference in density between left and right, adjust the height of the rear of the primary charging assembly.



The first 10 copies or so may show soiled images because of toner dropping from the drum separation claw. This symptom will disappear as more and more copies are made.

- 25) Make double-sided copies, and check the operation.
- 26) Make user mode and service mode settings to suit the needs of the user.
- 27) Press the Rest key twice to end service mode.
- 28) If the user tends to use thick paper or index paper or often use cover/interleaf mode or otherwise is a high copy volume user, change the following

service mode settings:

COPIER>OPTION>BODY>TEMP-TBL (Level 2)"5"(Default)->"0"

MEMO:

Starting Service Mode (Level 2)

-Press the Additional Function key.

-Press the 2 and 8 keys on the keypad at the same time.

-Press the Additional Function key.

Press the Additional Function key and the 2 key in succession.

29) Clean up the area around the copier.

30) Move the copier to its final location, and secure it in place using the adjusters.

31) If you are installing options, do so by referring to the Installation Procedure that comes with each option.

MEMO

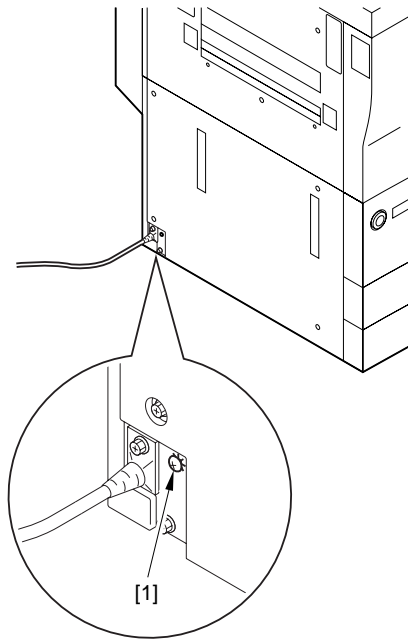
For the Card Reader-D1, see "Installing the Card Reader-D1."

32) Fill out the Service Sheet.

1.2.42 Attaching the Labels, Setting Paper, Checking Images/Operations, and User Mode

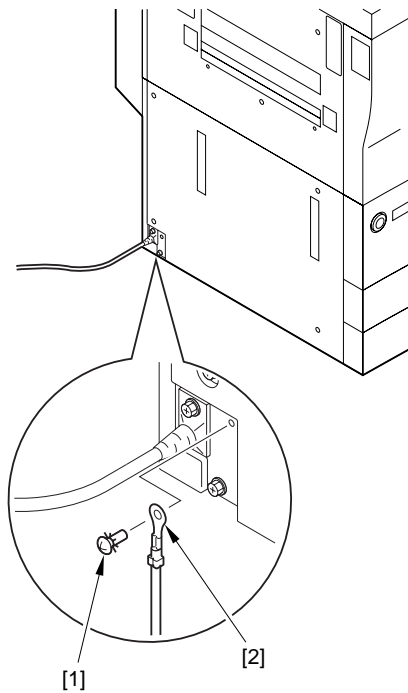
0007-3512

- 1) Check to make sure that the front deck and the cassette are free of any packing material.
- 2) Remove the screw [1] from the machine.



F-1-192

3) Connect the grounding wire [2] to the copier using the screw [1] removed in step 2).



F-1-193

Check to make sure that the grounding wire is correctly secured; otherwise, the leakage breaker may fail to operate normally.

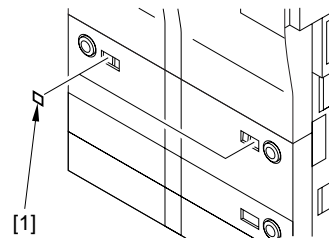
Point of Grounding

1. Grounding terminal in a power outlet.
2. Copper rod buried in the ground to a depth of 75 cm or more.
3. Grounding terminal prepared under appropriate Government regulations.
- 4) Connect the power plug to the power outlet, and turn on the main power switch.
- Adjust the contrast of the control panel display using the Image Contrast dial for the best view, and advise the user on the use of the dial.
- Check to see that the Add Paper message goes ON.
- Press the keys on the keypad and the Clear key to see that the copy count is correctly indicated.
- 5) Check with the user to decide on a paper size.
- 6) Press the release button, and slide out the right/left deck.



To change the size of the front deck (right/left), refer.

- 7) Put paper in the right/left deck.
- 8) Push in the right/left deck. Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.

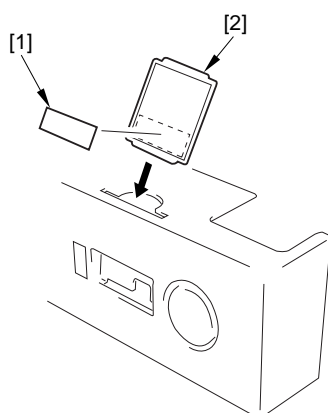


F-1-194

- 9) Press the release button, and slide out the cassette 3/4.
- 10) Peel off the appropriate cassette size label [1] from



the liner of the size label (cassette/deck), and attach it on the paper size plate [2] of the cassette. Put the paper size plate in place on the cassette cover.



F-1-195

- 11) Push in the cassettes into the copier.
- 12) Start service mode.

MEMO

Starting Service mode

- Press the Additional Function key.
- Press the '2' and '8' keys at the same time on the keypad.
- Press the Additional Function key.



Never turn off the power while the machine is in operation.

- 13) Make the following selections:
COPIER>FUNCTION>INSTALL>TONERS.
- 14) See that the following message has appeared:
'Check the Developer'.
- 15) Check to see that the developing assembly and the developing assembly locking plate are correctly mounted; then, press the OK key.
- 16) The machine starts to supply toner (about 10 min; progress shown on display by count-down).
- 17) At the end, make the following selections to generate 2 A3 solid black copies to ensure stable images:
- 18) COPIER>TEST>PG>PG_PICK.

- 19) Enter the number of the source of paper containing A3 paper, and press the OK key ('3' for cassette 3, or '4' for cassette 4).
- 20) Make the following selections:
COPIER>TEST>PG>TYPE.
- 21) Enter '7', and press the OK key ('7' for solid black; PG-TYPE7).
- 22) Press the Start key to generate a single solid black (A3) copy. Check the output, and wait for about 5 sec; then, press the Start key once again to generate a second copy.
- 23) At the end, press the Reset key twice to end service mode.
- 24) Make test prints, and check images.

Check to make sure that pickup from each source of paper is normal (Make 3 test copies each from the decks and the cassettes).

- Check to make sure that there is no abnormal noise.
 - Check the quality of copy images for each default ratio.
 - Check to make sure that as many copies as set are made.
 - Check to make sure that copying operation is normal.
 - If there is a difference in density between left and right, adjust the height of the rear of the primary charging assembly.
-



The first 10 copies or so may show soiled images because of toner dropping from the drum separation claw. This symptom will disappear as more and more copies are made.

- 25) Make double-sided copies, and check the operation.
- 26) Make user mode and service mode settings to suit the needs of the user.
- 27) Press the Rest key twice to end service mode.
- 28) If the user tends to use thick paper or index paper or often use cover/interleaf mode or otherwise is a high copy volume user, change the following

service mode settings:

COPIER>OPTION>BODY>TEMP-TBL (Level 2)"5"(Default)->"0"

MEMO:

Starting Service Mode (Level 2)

- Press the Additional Function key.
 - Press the 2 and 8 keys on the keypad at the same time.
 - Press the Additional Function key.
- Press the Additional Function key and the 2 key in succession.

- 29) Clean up the area around the copier.
- 30) Move the copier to its final location, and secure it in place using the adjusters.
- 31) If you are installing options, do so by referring to the Installation Procedure that comes with each option.

MEMO

For the Card Reader-D1, see "Installing the Card Reader-D1."

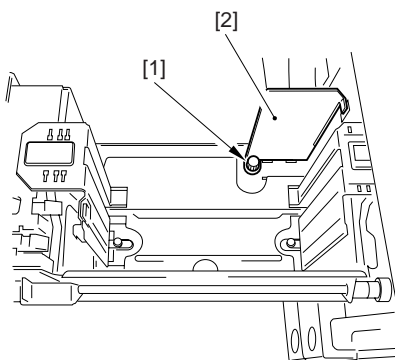
- 32) Fill out the Service Sheet.

1.2.43 Changing the Paper Size for the Front Deck (right, left)

0007-6745

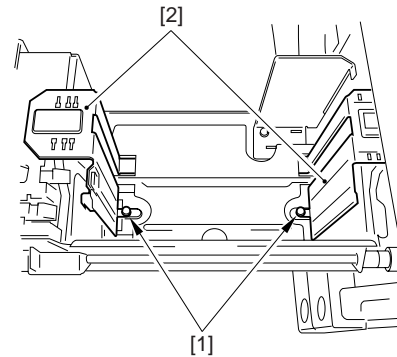
iR105i/iR105+ / iR9070

- 1) Press the release button, and slide out the deck.
- 2) Remove the screw [1] of the rear end guide plate [2], and secure the guide plate [2] to the desired position.



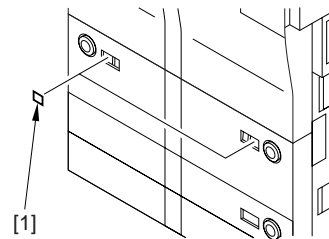
F-1-196

- 3) Remove the screw [1] (1 pc. each) from the left and right of the guide plate [2], and secure the guide plate [2] to the desired position.



F-1-197

- 4) Put paper in the deck.
- 5) Slide the deck inside the copier.
- 6) Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-198

- 7) Start service mode, and register the paper size of the front deck.

MEMO

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

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

A4=6,B5=15,LTR=18

- 8) Thereafter, turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

- 1. Hold down the control panel power switch for 3 sec or more.
- 2. Go through the instructions for the shut-down sequence shown on the display so that the main

- power switch may be turned off.
3. Turn off the main power switch.

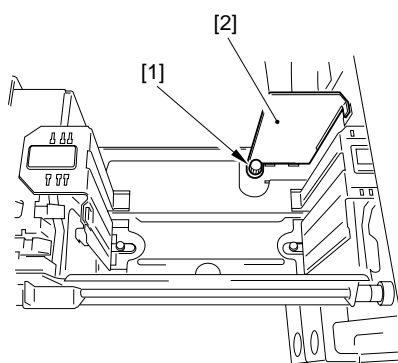
- 9) Turn on the main power switch.

1.2.44 Changing the Paper Size for the Front Deck (right, left)

0007-3519

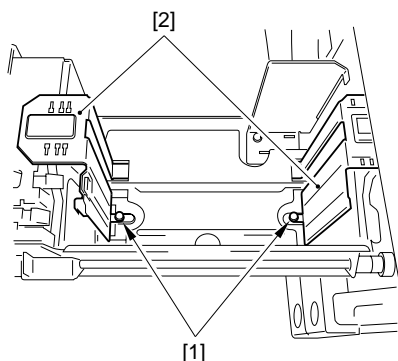
/ iR85+

- 1) Press the release button, and slide out the deck.
- 2) Remove the screw [1] of the rear end guide plate [2], and secure the guide plate [2] to the desired position.



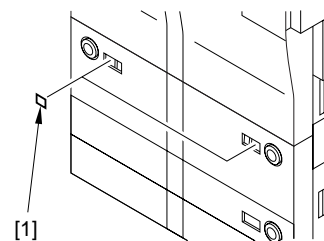
F-1-199

- 3) Remove the screw [1] (1 pc. each) from the left and right of the guide plate [2], and secure the guide plate [2] to the desired position.



F-1-200

- 4) Put paper in the deck.
- 5) Slide the deck inside the machine.
- 6) Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-201

- 7) Start service mode, and register the paper size of the front deck.

MEMO

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

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

A4=6, B5=15, LTR=18

- 8) Thereafter, turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

1. Hold down the control panel power switch for 3 sec or more.
2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
3. Turn off the main power switch.

- 9) Turn on the main power switch.

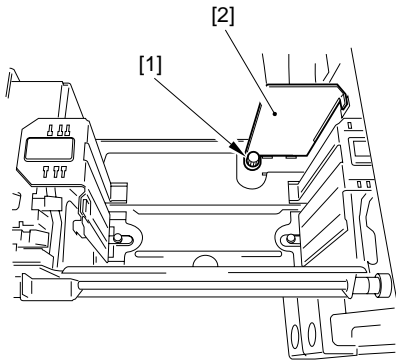
1.2.45 Changing the Paper Size for the Front Deck (right, left)

0007-2612

/ iR8070

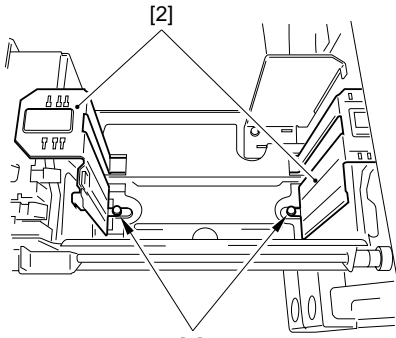
- 1) Press the release button, and slide out the deck.
- 2) Remove the screw [1] of the rear end guide plate

[2], and secure the guide plate [2] to the desired position.



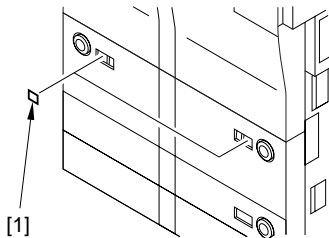
F-1-202

3) Remove the screw [1] (1 pc. each) from the left and right of the guide plate [2], and secure the guide plate [2] to the desired position.



F-1-203

- 4) Put paper in the deck.
- 5) Slide the deck inside the copier.
- 6) Peel off the appropriate deck size label [1] from the size label liner (cassette/deck), and attach it on the paper size plate of the deck.



F-1-204

7) Start service mode, and register the paper size of the front deck.

MEMO

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

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

A4=6, B5=15, LTR=18

8) Thereafter, turn off the main power switch.

▲Points to Note When Turning Off the Main Power Switch

- 1. Hold down the control panel power switch for 3 sec or more.
- 2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
- 3. Turn off the main power switch.

9) Turn on the main power switch.

1.2.46 If Not Connected to a Network

0008-3484

iR105i/iR105+ / iR9070

Reference

If the machine is not connected to a network, its control panel will indicate the message "Check the Connection to the Network." To disable the message, turn off the following user mode item:
system setup>network>Ethernet driver setup>auto detect

1.2.47 If Not Connected to a Network

0008-3806

/ iR85+

Reference

If the machine is not connected to a network, its control panel will indicate the message "Check the Connection to the Network." To disable the message, turn off the following user mode item:

```
system setup>network>Ethernet driver setup>auto  
detect
```

1.2.48 If Not Connected to

a Network

0008-3841

/ iR8070

Reference

If the machine is not connected to a network, its control panel will indicate the message "Check the Connection to the Network." To disable the message, turn off the following user mode item:

```
system setup>network>Ethernet driver setup>auto  
detect
```

1.3 Checking the Connection to the Network

1.3.1 Overview

0008-3485

iR105i/iR105+ / iR9070

The instructions that follow apply only when the machine is connected to a network.

If the user's network environment is based on TCP/IP, use the PING function to make sure that the network settings are correct.

If the user's network environment is based on IPX/SPX or AppleTalk, on the other hand, such a check need not be made.

1.3.2 Overview

0008-3808

/ iR85+

The instructions that follow apply only when the machine is connected to a network.

If the user's network environment is based on TCP/IP, use the PING function to make sure that the network settings are correct.

If the user's network environment is based on IPX/SPX or AppleTalk, on the other hand, such a check need not be made.

1.3.3 Overview

0008-3842

/ iR8070

The instructions that follow apply only when the machine is connected to a network.

If the user's network environment is based on TCP/IP, use the PING function to make sure that the network settings are correct.

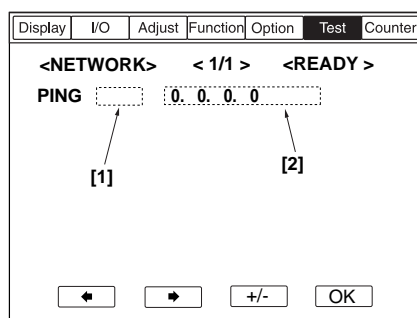
If the user's network environment is based on IPX/SPX or AppleTalk, on the other hand, such a check need not be made.

1.3.4 Using the PING Function

0008-3486

iR105i/iR105+ / iR9070

- 1) Make the following selections in service mode: COPIER>TEST>NETWORK>PING.
 - 2) Enter the correct IP address using the control panel keypad, and press the OK key.
 - 3) Press the Start key.
- If successful, the indication will be 'OK'. If the attempt fails, however, 'NG' will be indicated.



F-1-205

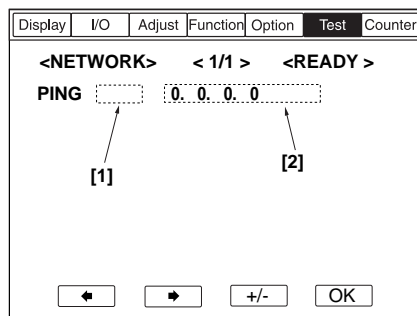
[1] Result (OK/NG)

[2] IP address input

1.3.5 Using the PING Function

0008-3809

- 1) Make the following selections in service mode: COPIER>TEST>NETWORK>PING.
 - 2) Enter the correct IP address using the control panel keypad, and press the OK key.
 - 3) Press the Start key.
- If successful, the indication will be 'OK'. If the attempt fails, however, 'NG' will be indicated.



F-1-206

[1] Result (OK/NG)

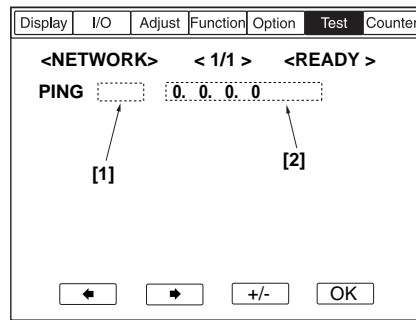
[2] IP address input

1.3.6 Using the PING Function

0008-3843

/ iR8070

- 1) Make the following selections in service mode: COPIER>TEST>NETWORK>PING.
 - 2) Enter the correct IP address using the control panel keypad, and press the OK key.
 - 3) Press the Start key.
- If successful, the indication will be 'OK'. If the attempt fails, however, 'NG' will be indicated.



F-1-207

[1] Result (OK/NG)

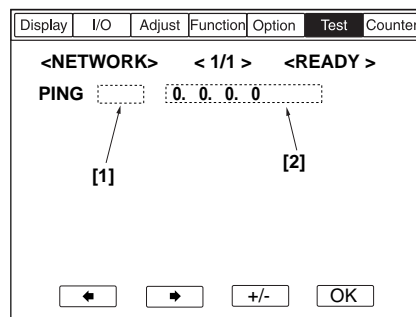
[2] IP address input

1.3.7 Using the PING Function

0008-9580

iR85+

- 1) Make the following selections in service mode: COPIER>TEST>NETWORK>PING.
 - 2) Enter the correct IP address using the control panel keypad, and press the OK key.
 - 3) Help the Start key.
- If successful, the indication will be 'OK'. If the attempt fails, however, 'NG' will be indicated.



F-1-208

[1] Result (OK/NG)

[2] IP address input

1.3.8 Making a Check Using a Remote Host Address

0008-3487

iR105i/iR105+ / iR9070

You can use a remote host address in combination with the PING function to check the connection to the network. The term "remote host address" refers to the IP address of a PC that is connected to the TCP/IP network to which the machine is connected.

- 1) Inform the system administrator that you will be checking the network connection using the PING function.
- 2) Ask the system administrator for the appropriate remote host address.
- 3) Enter the remote host address for PING.
- 4) If the result is 'OK', the connection to the network is correct.
- 5) If the result is 'NG', the connection to the network is not correct; start the following troubleshooting work:

1.3.9 Making a Check Using a Remote Host Address

0008-3810

/ iR85+

You can use a remote host address in combination with the PING function to check the connection to the network. The term "remote host address" refers to the IP address of a PC that is connected to the TCP/IP network to which the machine is connected.

- 1) Inform the system administrator that you will be checking the network connection using the PING function.
- 2) Ask the system administrator for the appropriate remote host address.
- 3) Enter the remote host address for PING.
- 4) If the result is 'OK', the connection to the network is correct.
- 5) If the result is 'NG', the connection to the network is not correct; start the following troubleshooting work:

1.3.10 Making a Check Using a Remote Host Address

0008-3844

/ iR8070

You can use a remote host address in combination with the PING function to check the connection to the network. The term "remote host address" refers to the IP address of a PC that is connected to the TCP/IP network to which the machine is connected.

- 1) Inform the system administrator that you will be checking the network connection using the PING function.
- 2) Ask the system administrator for the appropriate remote host address.
- 3) Enter the remote host address for PING.
- 4) If the result is 'OK', the connection to the network is correct.
- 5) If the result is 'NG', the connection to the network is not correct; start the following troubleshooting work:

1.4 Troubleshooting the Network

1.4.1 Overview

0008-3488

iR105i/iR105+ / iR9070

The instructions that follow apply only when the machine is connected to a network.

If an attempt to connect to the network fails, the following may be suspected:

- a.the connection between the machine and the network is faulty.
- b.the machine's TCP/IP setting is faulty.
- c.the user's network is faulty.
- d.the main controller PCB is faulty.

Make checks by referring to the following detailed instructions:

1.4.2 Overview

0008-3811

/ iR85+

The instructions that follow apply only when the machine is connected to a network.

If an attempt to connect to the network fails, the following may be suspected:

- a.the connection between the machine and the network is faulty.
- b.the machine's TCP/IP setting is faulty.
- c.the user's network is faulty.
- d.the main controller PCB is faulty.

Make checks by referring to the following detailed instructions:

1.4.3 Overview

0008-3845

/ iR8070

The instructions that follow apply only when the machine is connected to a network.

If an attempt to connect to the network fails, the following may be suspected:

- a.the connection between the machine and the network is faulty.
- b.the machine's TCP/IP setting is faulty.
- c.the user's network is faulty.
- d.the main controller PCB is faulty.

Make checks by referring to the following detailed instructions:

1.4.4 Making a Check Using a Loopback Address

0008-3489

iR105i/iR105+ / iR9070

A loopback address will return before it reaches the network controller. When you execute PING using a loopback address, you can find out whether the machine's TCP/IP setting is correct.

- 1) Enter the appropriate loopback address (127.0.0.1) for PING.
- If 'NG', check the machine's TCP/IP setting once again, and execute PING once again.
 - If 'OK', go to the next check.

1.4.5 Making a Check Using a Loopback Address

0008-3812

/ iR85+

A loopback address will return before it reaches the network controller. When you execute PING using a loopback address, you can find out whether the machine's TCP/IP setting is correct.

- 1) Enter the appropriate loopback address (127.0.0.1) for PING.
- If 'NG', check the machine's TCP/IP setting once again, and execute PING once again.
 - If 'OK', go to the next check.

1.4.6 Making a Check Using a Loopback Address

0008-3846

/ iR8070

A loopback address will return before it reaches the network controller. When you execute PING using a loopback address, you can find out whether the machine's TCP/IP setting is correct.

- 1) Enter the appropriate loopback address (127.0.0.1) for PING.
- If 'NG', check the machine's TCP/IP setting once again, and execute PING once again.
 - If 'OK', go to the next check.

1.4.7 Making a Check Using a Local Host Address

0008-3490

iR105i/iR105+

A local host address is the IP address of the machine. When you execute PING using the address, it will return after it has reached the network controller so that you will be able to find out whether the network controller (main controller PCB) is free of a fault or not.

- 1) Enter the IP address of the machine for PING.
- If 'NG' is indicated, perform the following, and execute PING once again:
- if the IP address of the machine is faulty, check to be sure that the IP address setting is correct or, as necessary, report to the system administrator to see if the IP address is valid.
 - if the main controller PCB is faulty, replace the PCB.
- If 'OK' is indicated, suspect a fault in the user's network environment. Report to the system administrator for appropriate remedial action.

1.4.8 Making a Check Using a Local Host Address

0008-3813

/ iR85+

A local host address is the IP address of the machine. When you execute PING using the address, it will return after it has reached the network controller so that you will be able to find out whether the network controller (main controller PCB) is free of a fault or not.

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

If 'NG' is indicated, perform the following, and execute PING once again:

- if the IP address of the machine is faulty, check to be sure that the IP address setting is correct or, as necessary, report to the system administrator to see if the IP address is valid.
- if the main controller PCB is faulty, replace the PCB.

If 'OK' is indicated, suspect a fault in the user's network environment. Report to the system administrator for appropriate remedial action.

1.4.9 Making a Check Using a Local Host Address

0008-3849

/ iR8070

A local host address is the IP address of the machine. When you execute PING using the address, it will return after it has reached the network controller so that you will be able to find out whether the network controller (main controller PCB) is free of a fault or not.

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

If 'NG' is indicated, perform the following, and execute PING once again:

- if the IP address of the machine is faulty, check to be sure that the IP address setting is correct or, as necessary, report to the system administrator to see if the IP address is valid.
- if the main controller PCB is faulty, replace the PCB.

If 'OK' is indicated, suspect a fault in the user's network environment. Report to the system administrator for appropriate remedial action.

1.5 Installing the Card Reader

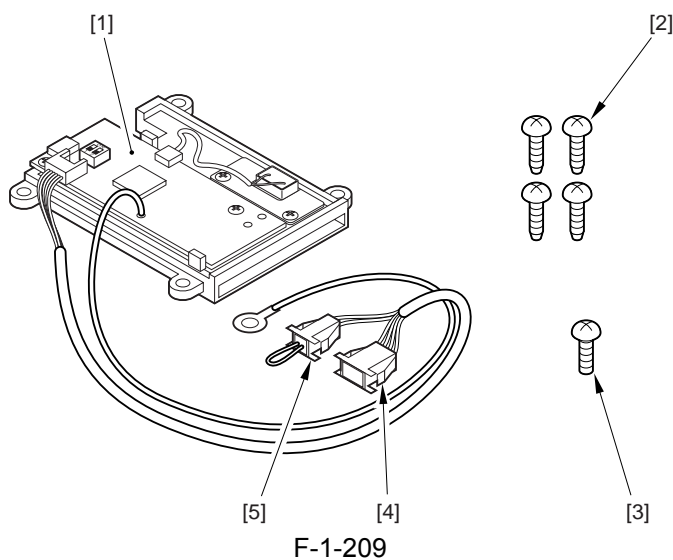
1.5.1 Checking the Contents

0007-2647

/ iR8070

T-1-5

[1]	Card reader	1 pc.
[2]	Screw (self-tapping)	4 pc.
[3]	Screw (M4x6)	1 pc.
[4]	Relay post header (fitted to card reader cable)	1 pc.
[5]	Communication mode switching connector (keep the connector connected for use)	1 pc.



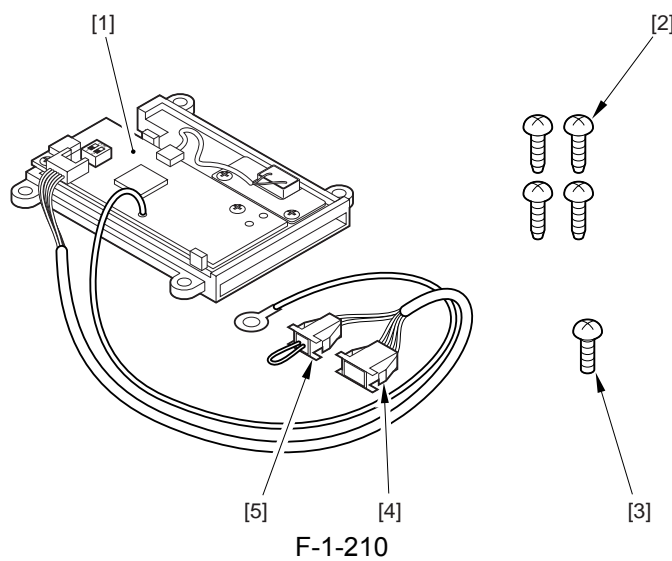
1.5.2 Checking the Contents

0007-3527

/ iR85+

T-1-6

- | | | |
|-----|--|-------|
| [1] | Card reader | 1 pc. |
| [2] | Screw (self-tapping) | 4 pc. |
| [3] | Screw (M4x6) | 1 pc. |
| [4] | Relay post header
(fitted to card reader cable) | 1 pc. |
| [5] | Communication mode switching connector
(keep the connector connected for use) | 1 pc. |



1.5.3 Checking the Contents

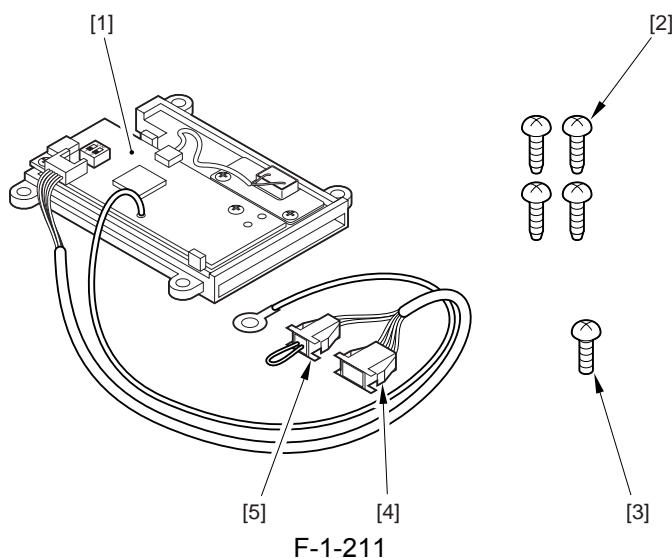
0007-6759

iR105i/iR105+ / iR9070

T-1-7

- | | | |
|-----|--|-------|
| [1] | Card reader | 1 pc. |
| [2] | Screw (self-tapping) | 4 pc. |
| [3] | Screw (M4x6) | 1 pc. |
| [4] | Relay post header
(fitted to card reader cable) | 1 pc. |
| [5] | Communication mode switching connector | 1 pc. |

(keep the connector connected for use)



1.5.4 Installing the Card Reader-D1

0007-2648

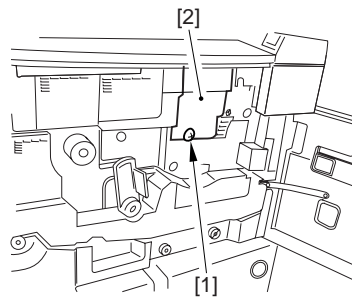
/ iR8070

- 1) Start service mode, and make the following selections: COPIER>FUNCTION>INSTALLATION>Card.
Enter the lowest of the numbers of the cards to use (1 through 2001).
As many as 1000 cards starting with the number you entered may be used.
- 2) Turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

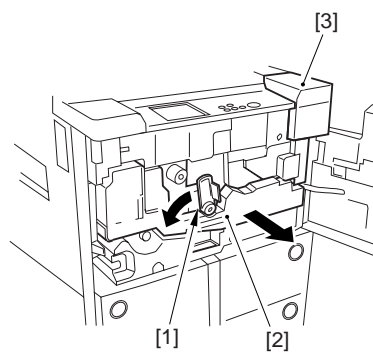
1. Hold down the control panel power switch for 3 sec or more.
2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (from the wall outlet).

- 3) Open the front cover.
- 4) Remove the screw [1], and detach the primary charging assembly cover [2].



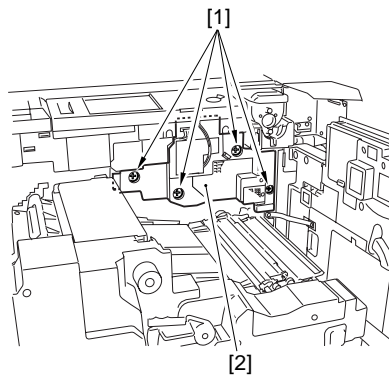
F-1-212

- 5) Shift down the fixing/feeding assembly lever [1], and slide out the fixing/feeding unit [2].
- 6) Open the toner cartridge cover [3].



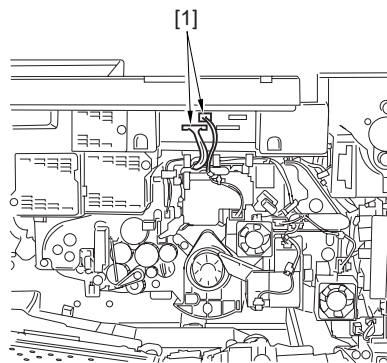
F-1-213

- 7) Remove the 4 screws [1], and remove the process unit cover [2].



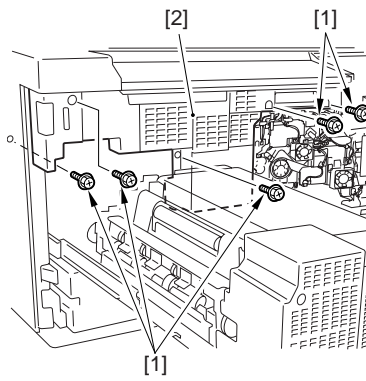
F-1-214

- 8) Disconnect the 2 connectors [1].



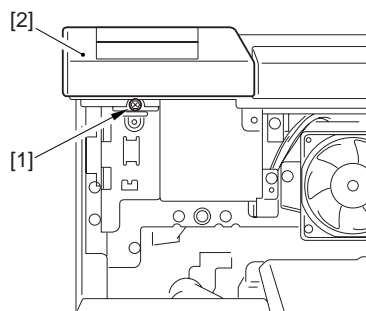
F-1-215

9) Remove the 5 screws [1], and detach the inside upper cover [2].



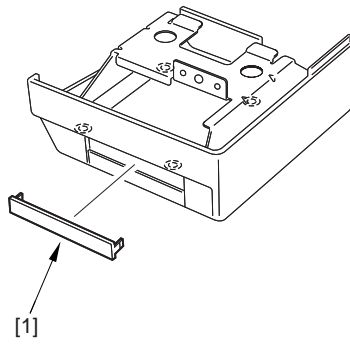
F-1-216

10) Remove the screw [1], and detach the card reader case [2] from the top of the machine.



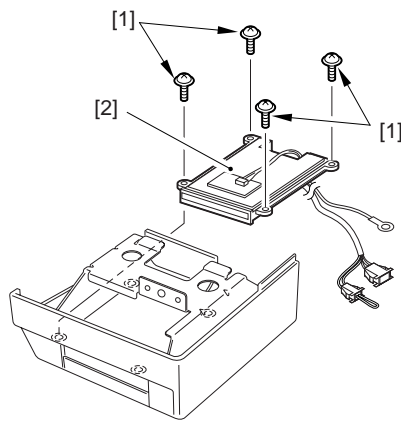
F-1-217

11) Remove the face plate [1].



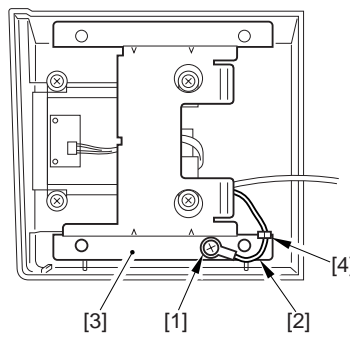
F-1-218

12) Using 4 self-tapping screws [1], mount the card reader [2] to the card reader case.



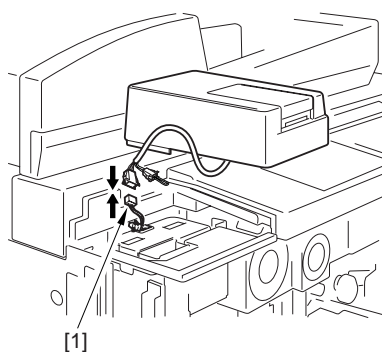
F-1-219

13) Using the screw [1], mount the grounding wire [2] to the card reader case plate assembly [3].
Lead the grounding wire [2] through the edge saddle [4].



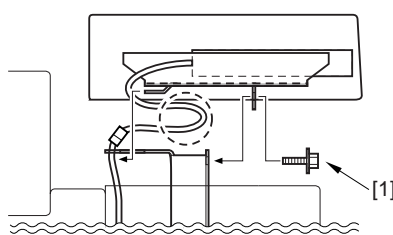
F-1-220

14) Connect the connector of the card reader to the connector [1] of the machine.



F-1-221

15) Using the screw [1] removed in step 10, mount the card reader case to the machine.



F-1-222



Take care not to trap the harness indicated with a dashed line.

- 16) Mount the inside upper cover (Use the 5 screws, and connect the 2 connectors that have previously been removed).
- 17) Mount the process cover unit (4 screws).
- 18) Attach the primary charging assembly cover (1 screw).
- 19) Close the toner cartridge cover.
- 20) Put back the fixing/feeding unit, and set the fixing/feeding assembly lever.
- 21) Close the front cover.
- 22) Connect the copier's power plug, and turn on its main power switch.

1.5.5 Installing the Card Reader-D1

0007-3528

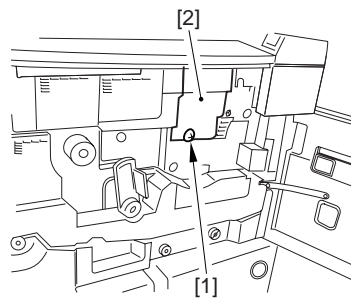
- 1) Start service mode, and make the following selections: COPIER>FUNCTION>INSTALLATION>Card.
Enter the lowest of the numbers of the cards to use (1 through 2001).
As many as 1000 cards starting with the number you entered may be used.
- 2) Turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

1. Hold down the control panel power switch for 3 sec or more.
 2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
 3. Turn off the main power switch.
 4. Disconnect the power cable (from the wall outlet).
-

3) Open the front cover.

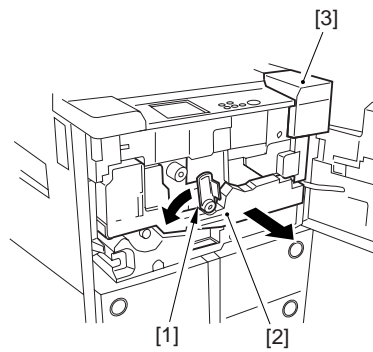
4) Remove the screw [1], and detach the primary charging assembly cover [2].



F-1-223

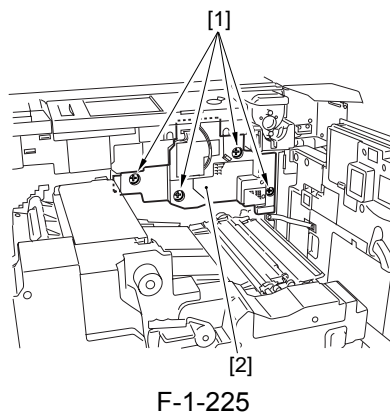
5) Shift down the fixing/feeding assembly lever [1], and slide out the fixing/feeding unit [2].

6) Open the toner cartridge cover [3].

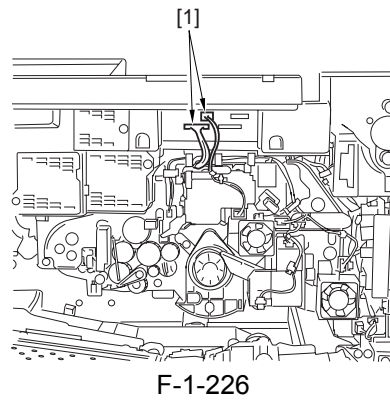


F-1-224

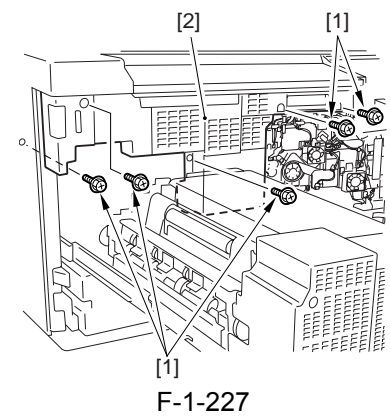
7) Remove the 4 screws [1], and remove the process unit cover [2].



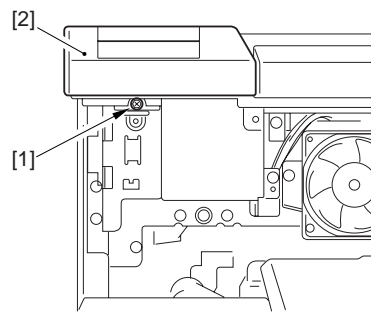
8) Disconnect the 2 connectors [1].



9) Remove the 5 screws [1], and detach the inside upper cover [2].

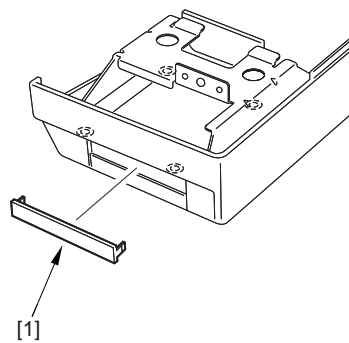


10) Remove the screw [1], and detach the card reader case [2] from the top of the machine.



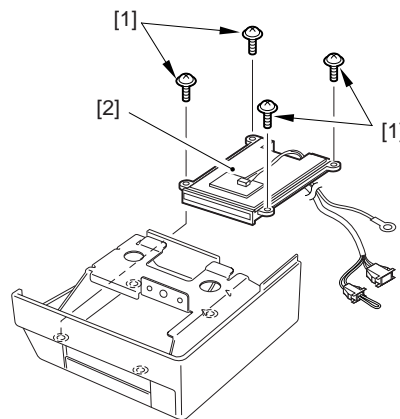
F-1-228

11) Remove the face plate [1].



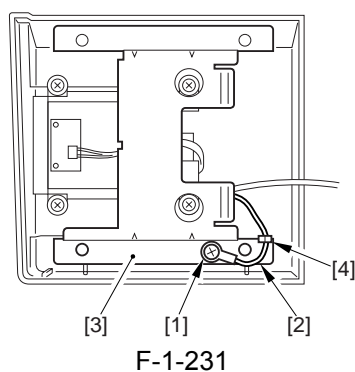
F-1-229

12) Using 4 self-tapping screws [1], mount the card reader [2] to the card reader case.

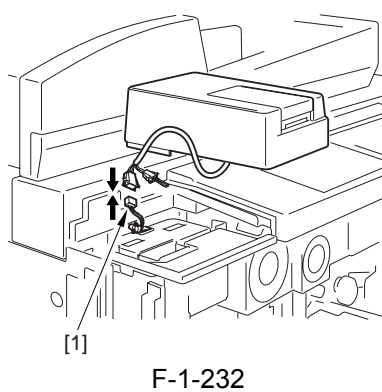


F-1-230

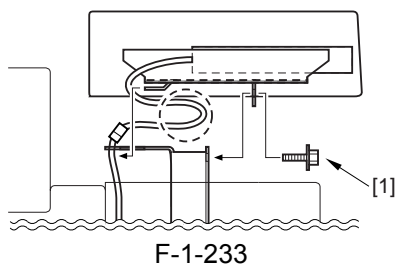
13) Using the screw [1], mount the grounding wire [2] to the card reader case plate assembly [3].
Lead the grounding wire [2] through the edge saddle [4].



14) Connect the connector of the card reader to the connector [1] of the machine.



15) Using the screw [1] removed in step 10, mount the card reader case to the machine.



Take care not to trap the harness indicated with a dashed line.

- 16) Mount the inside upper cover (Use the 5 screws, and connect the 2 connectors that have previously been removed).
- 17) Mount the process cover unit (4 screws).
- 18) Attach the primary charging assembly cover (1 screw).
- 19) Close the toner cartridge cover.

- 20) Put back the fixing/feeding unit, and set the fixing/feeding assembly lever.
- 21) Close the front cover.
- 22) Connect the copier's power plug, and turn on its main power switch.

1.5.6 Installing the Card Reader-D1

0007-6761

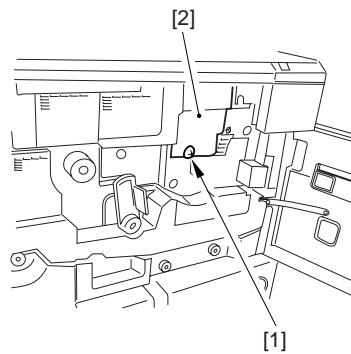
iR105i/iR105+ / iR9070

- 1) Start service mode, and make the following selections: COPIER>FUNCTION>INSTALLATION>Card.
Enter the lowest of the numbers of the cards to use (1 through 2001).
As many as 1000 cards starting with the number you entered may be used.
- 2) Turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

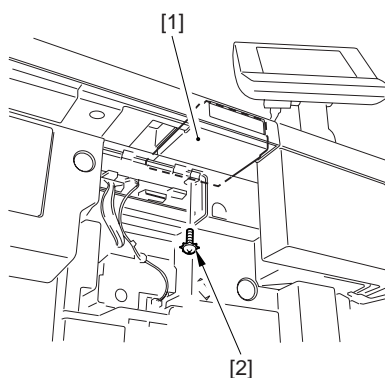
1. Hold down the control panel power switch for 3 sec or more.
 2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
 3. Turn off the main power switch.
 4. Disconnect the power cable (from the wall outlet).
-

- 3) Open the front cover.
- 4) Remove the screw [1], and detach the primary charging assembly cover [2].



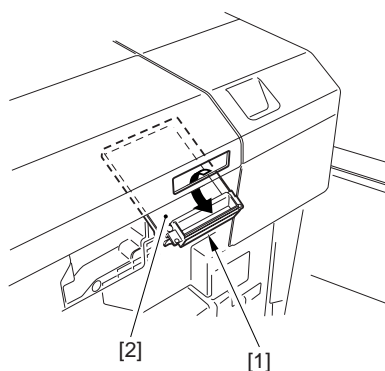
F-1-234

- 5) While supporting the card reader base [1], remove the screw (w/ washer) [2].
(You will need the screw and the washer later.)



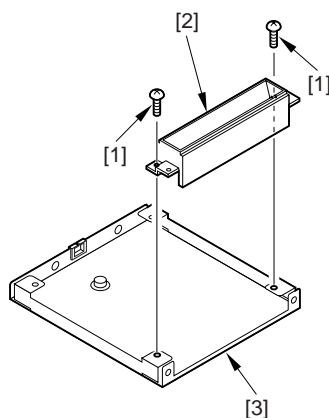
F-1-235

6) Push in the face plate [1] lightly, and take out the card reader base assembly [2] from below.



F-1-236

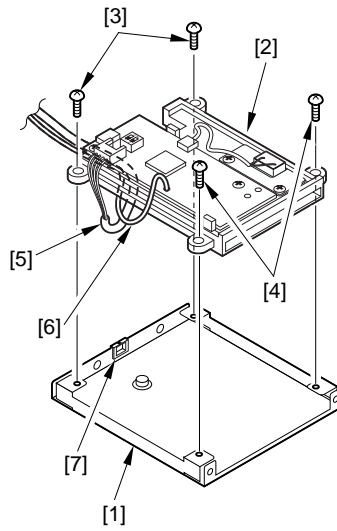
7) Remove the 2 screws [1], and detach the face plate [2] from the card reader base assembly [3].
(You will use the removed parts later.)



F-1-237

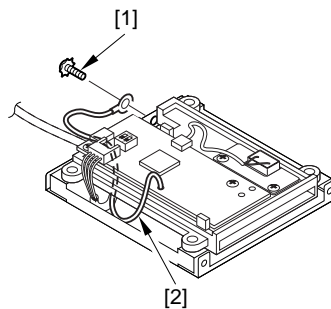
8) Remove the 2 screws that remain on the top of the card reader [1].
Mount the card reader [2] using the 2 removed screws [3] and the 2 screws [4] used to keep the face plate in place.
(At this time, be sure to route the harness [5] and the grounding wire [6] under the card reader as indicated.)

Route the harness through the edge saddle [7].



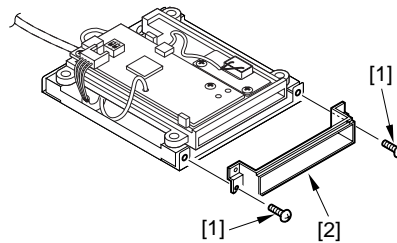
F-1-238

- 9) Remove the screw (w/washer) [1] from the rear of the card reader base.
Secure the grounding wire [2] with the removed screw (w/ washer) [1].



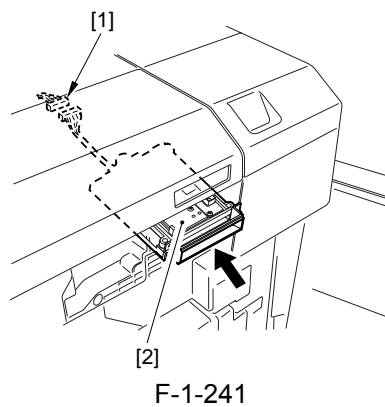
F-1-239

- 10) Remove the 2 screws [1] from the front of the card reader base.
Secure the face plate [2] removed in step 4 with 2 screws [1] as shown.

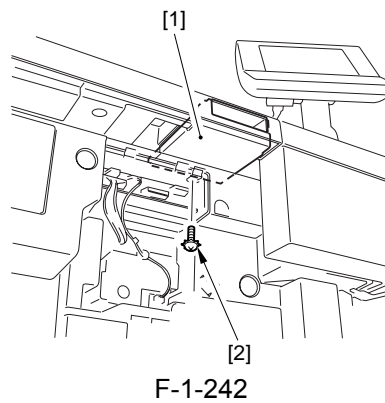


F-1-240

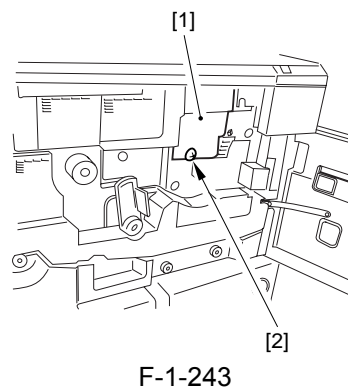
- 11) Connect the connector [1] of the copier and the harness of the card reader to which a relay post heater is attached.
Push the harness into the copier, and fit in the card reader assembly [2].



12) While supporting it, mount the card reader assembly [1] with the screw (w/ washer) [2] removed in step 5.



13) Mount the primary charging assembly front cover [1] with a screw [2].



14) Close the front cover.

15) Connect the power plug of the copier, and turn on the main power switch.

1.5.7 Installing the Card Reader-D1

0008-9187

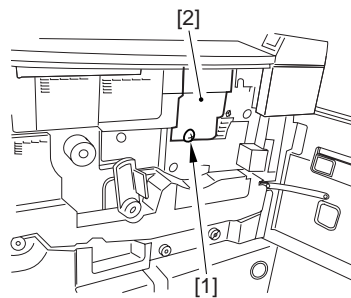
iR85+

- 1) Start service mode, and make the following selections: COPIER>FUNCTION>INSTALLATION>Card.
Enter the lowest of the numbers of the cards to use (1 through 2001).
As many as 1000 cards starting with the number you entered may be used.
- 2) Turn off the main power switch.

⚠ Points to Note When Turning Off the Main Power Switch

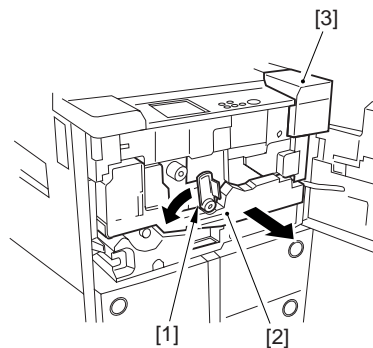
1. Hold down the control panel power switch for 3 sec or more.
2. Go through the instructions for the shut-down sequence shown on the display so that the main power switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (from the wall outlet).

- 3) Open the front cover.
- 4) Remove the screw [1], and detach the primary charging assembly cover [2].



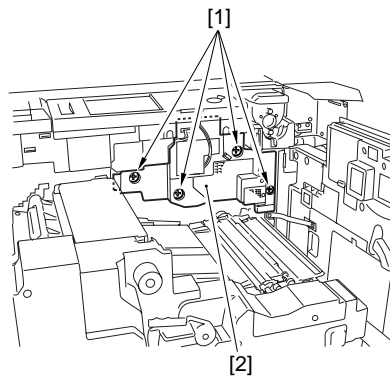
F-1-244

- 5) Shift down the fixing/feeding assembly lever [1], and slide out the fixing/feeding unit [2].
- 6) Open the toner cartridge cover [3].



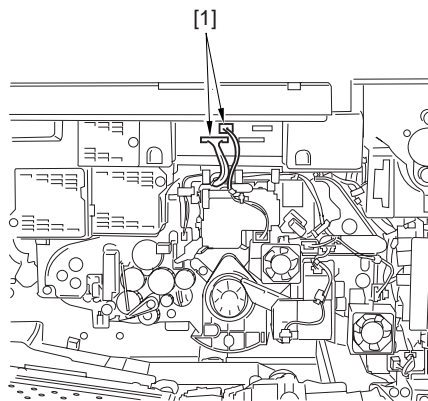
F-1-245

7) Remove the 4 screws [1], and remove the process unit cover [2].



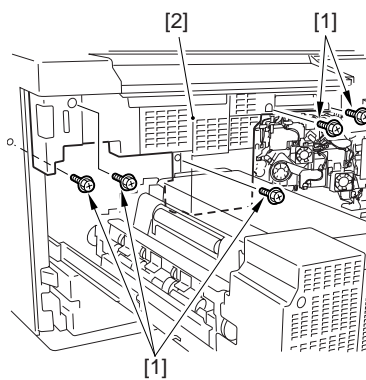
F-1-246

8) Disconnect the 2 connectors [1].



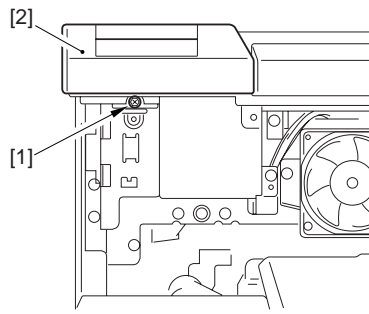
F-1-247

9) Remove the 5 screws [1], and detach the inside upper cover [2].



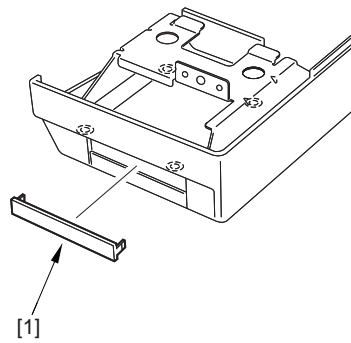
F-1-248

10) Remove the screw [1], and detach the card reader case [2] from the top of the machine.



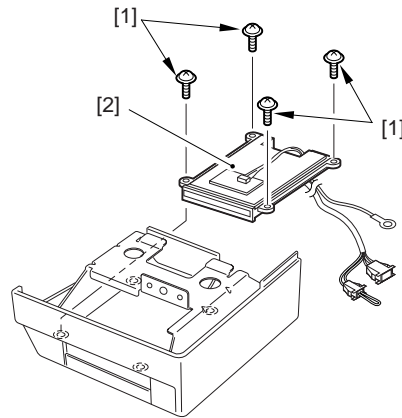
F-1-249

11) Remove the face plate [1].



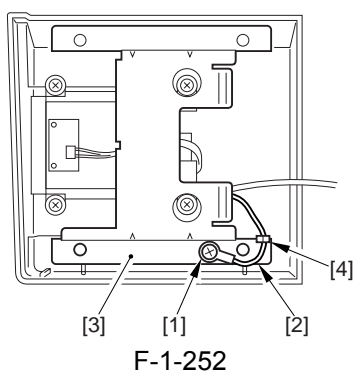
F-1-250

12) Using 4 self-tapping screws [1], mount the card reader [2] to the card reader case.

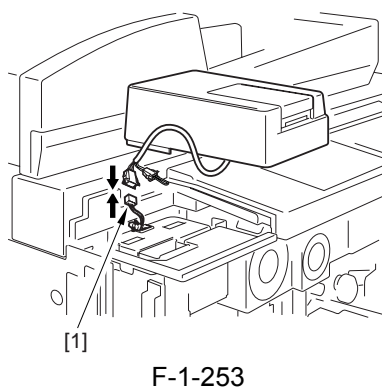


F-1-251

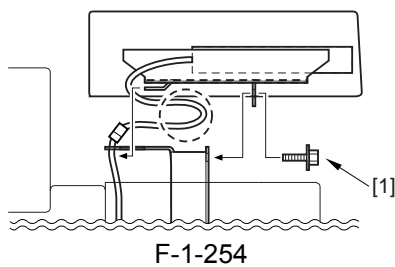
13) Using the screw [1], mount the grounding wire [2] to the card reader case plate assembly [3].
Lead the grounding wire [2] through the edge saddle [4].



14) Connect the connector of the card reader to the connector [1] of the machine.



15) Using the screw [1] removed in step 10, mount the card reader case to the machine.



Take care not to trap the harness indicated with a dashed line.

- 16) Mount the inside upper cover (Use the 5 screws, and connect the 2 connectors that have previously been removed).
- 17) Mount the process cover unit (4 screws).
- 18) Attach the primary charging assembly cover (1 screw).
- 19) Close the toner cartridge cover.

- 20) Put back the fixing/feeding unit, and set the fixing/feeding assembly lever.
- 21) Close the front cover.
- 22) Connect the power plug, and turn on its main power switch.

1.6 Installing the NE Controller

1.6.1 Installing the NE Controller-A1/NE Controller-B1/Copy Data Controller-A1

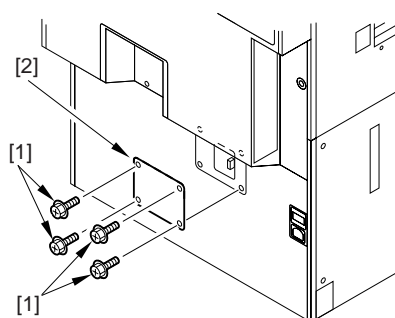
0007-2650

/ iR8070



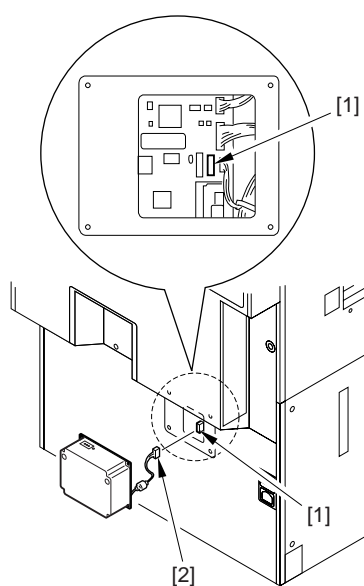
Here, the instructions are limited to installation to the copier. For how to make various settings, checks to make, and points to note, see the Installation Procedure that comes with a specific controller.

- 1) Remove the 4 screws [1] that come with the rear cover of the host machine, and remove the face cover [2].



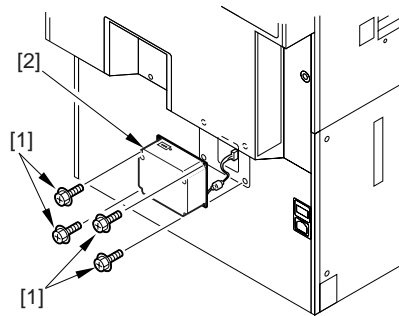
F-1-255

- 2) Connect the connector J525 [1] of the host machine with the cable [3] of the controller.



F-1-256

3) Mount the controller [2] with 4 screws [1].

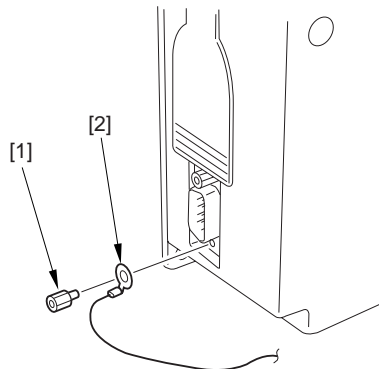


F-1-257

[When Installing a Copy Data Controller-A1 to a 230V Model]

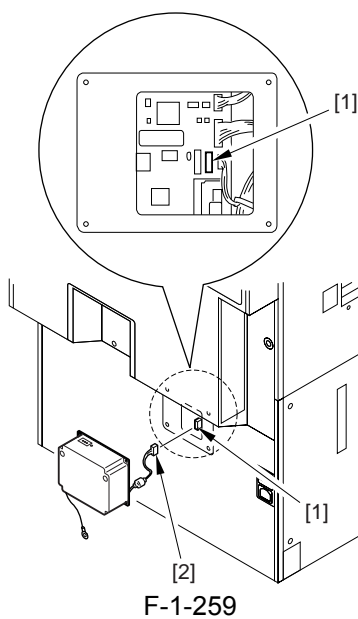
4) Remove the connector fixing screw (bottom) [1].

Bend the terminal of the grounding wire [2] that comes with the machine to the outside, and mount it using a connector fixing screw [1].



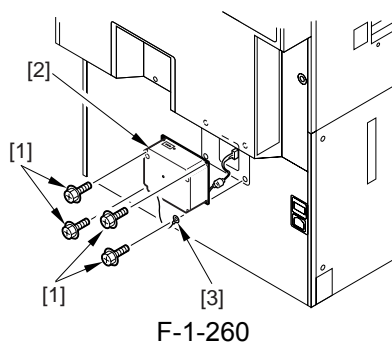
F-1-258

5) Connect the connector J525 [1] of the host machine and the cable [3] of the controller.



6) Mount the controller [2] using 4 screws.

At this time, be sure to tighten the other terminal [3] of the grounding wire using the right lower screw.



1.6.2 Installing the NE Controller-A1/NE Controller-B1/Copy Data Controller-A1

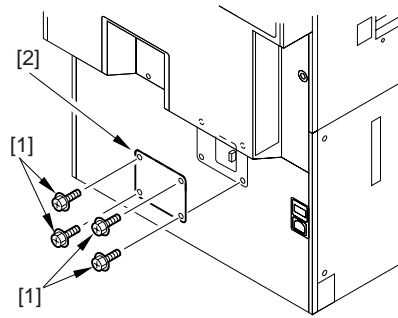
0007-3529

/ iR85+



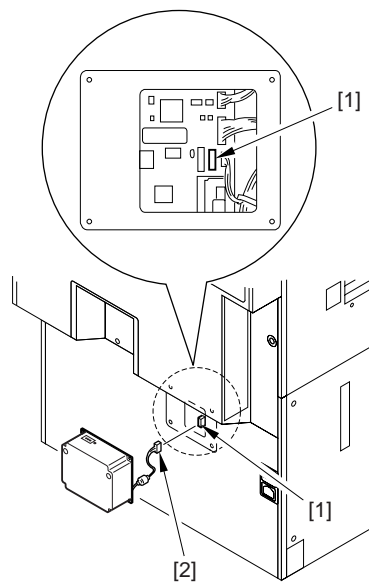
Here, the instructions are limited to installation to an machine. For how to make various settings, checks to make, and points to note, see the Installation Procedure that comes with a specific controller.

1) Remove the 4 screws [1] that come with the rear cover of the host machine, and remove the face cover [2].



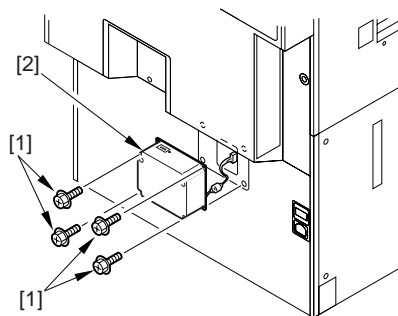
F-1-261

2) Connect the connector J525 [1] of the host machine with the cable [3] of the controller.



F-1-262

3) Mount the controller [2] with 4 screws [1].

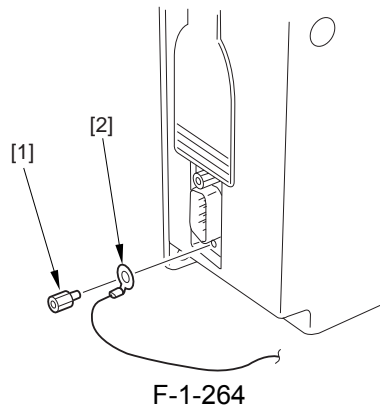


F-1-263

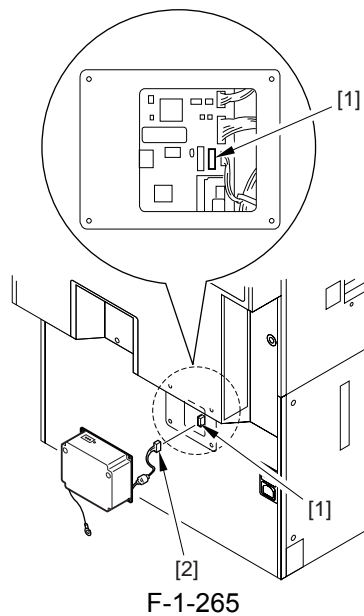
[When Installing a Copy Data Controller-A1 to a 230V Model]

4) Remove the connector fixing screw (bottom) [1].

Bend the terminal of the grounding wire [2] that comes with the machine to the outside, and mount it using a connector fixing screw [1].

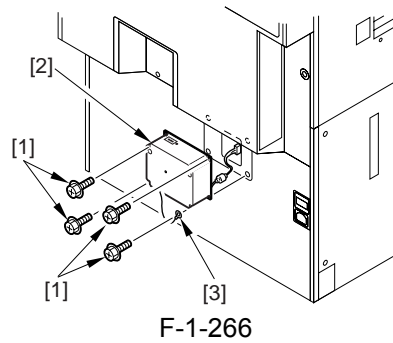


5) Connect the connector J525 [1] of the host machine and the cable [3] of the controller.



6) Mount the controller [2] using 4 screws.

At this time, be sure to tighten the other terminal [3] of the grounding wire using the right lower screw.



1.6.3 Installing the NE Controller-A1/NE Controller-B1/Copy Data Controller-A1

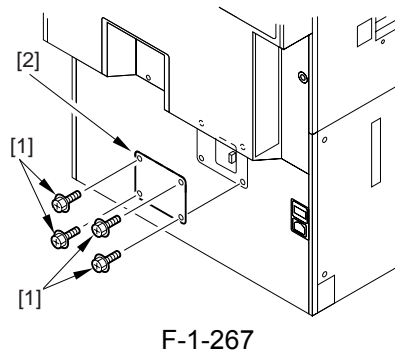
0007-6753

iR105i/iR105+ / iR9070

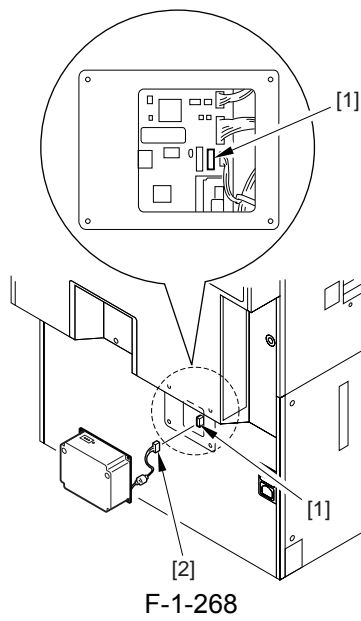


Here, the instructions are limited to installation to an Copier. For how to make various settings, checks to make, and points to note, see the Installation Procedure that comes with a specific controller.

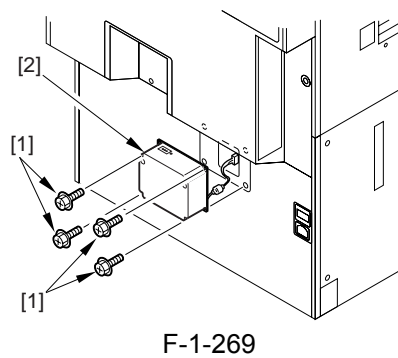
1) Remove the 4 screws [1] that come with the rear cover of the host machine, and remove the face cover [2].



2) Connect the connector J525 [1] of the host machine with the cable [3] of the controller.



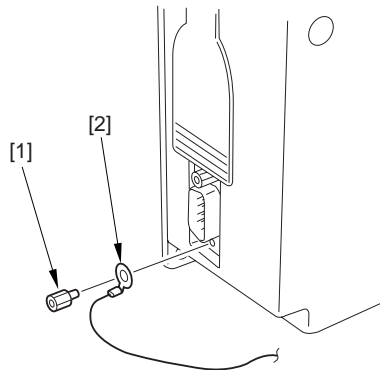
3) Mount the controller [2] with 4 screws [1].



[When Installing a Copy Data Controller-A1 to a 230V Model]

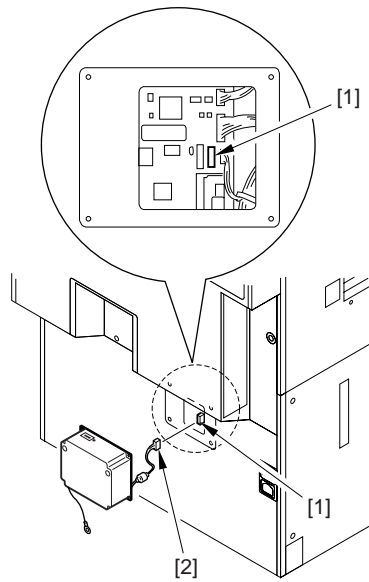
4) Remove the connector fixing screw (bottom) [1].

Bend the terminal of the grounding wire [2] that comes with the machine to the outside, and mount it using a connector fixing screw [1].



F-1-270

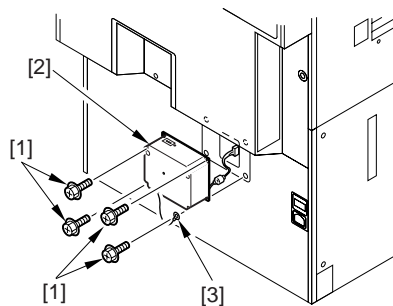
5) Connect the connector J525 [1] of the host machine and the cable [3] of the controller.



F-1-271

6) Mount the controller [2] using 4 screws.

At this time, be sure to tighten the other terminal [3] of the grounding wire using the right lower screw.



F-1-272

Jan 5 2005

