

Installation Procedure

iR3245/3235/3230/3225 Series



Chapter 1 Installation Procedure

1.1 Making Pre-Checks

1.1.1 Checking Installation Environment

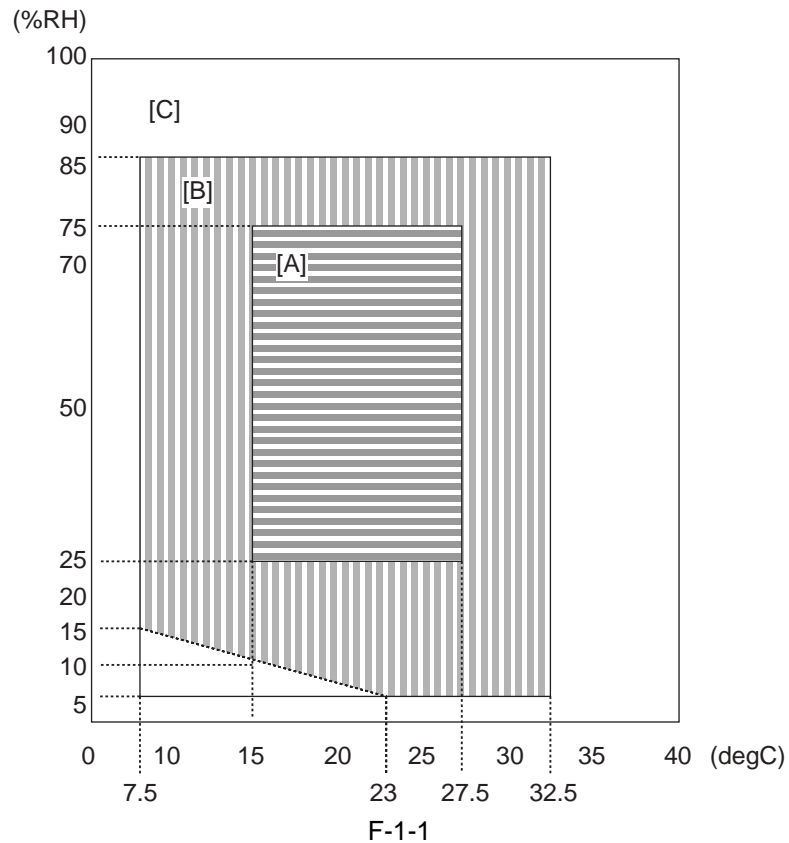
0019-8444

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

The followings are the condition for installation environment.

It is better to see the planned location of installation before carrying the host machine in the user site.

- 1) The host machine can singly connect to the outlet of rated $\pm 10V$, 15A or more.
- 2) Temperature and humidity is within the following range. Especially avoid the close location to faucet, water heater, humidifier and refrigerator.



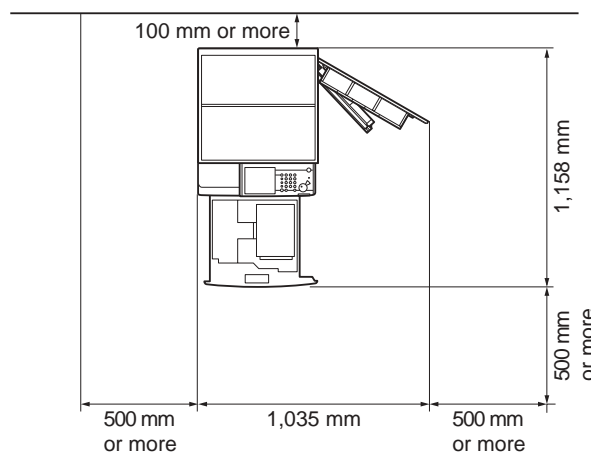
<Environment zone assured>

[A] Zone A: Satisfies all the conditions of the standard image quality and paper feed performance.

[B] Zone B: Inferior to Zone A in terms of the standard image quality and paper feed performance, or may not apply.

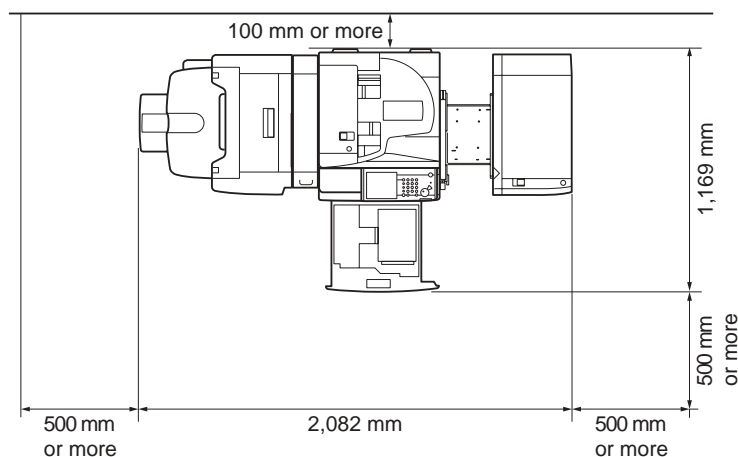
[C] Zone C: Problems associated with safety, malfunctions, or incorrect message display do not occur, but image quality and paper feed performance are not guaranteed.

- 3) Avoid fire, dusty place and the location where ammonia gas is generated. Also, if the host machine receives direct sunlight at installation location, it is recommended to put curtains on the window.
- 4) The ozone amount that is generated during operation with the host machine does not cause a hazard to human health; however, its odor may be recognized if the host machine is used for many hours in the poor ventilated location. Thus, provide adequate ventilation to keep the operation environment comfortable.
- 5) Make sure that the foot of the host machine does not float, and also, the host machine is leveled.
- 6) Allocate enough space for service operation of the host machine.
 - When options not installed,



F-1-2

- DADF-U1 + Saddle Finisher-AE2 + Puncher Unit-M1 + Buffer Pass Unit-E2 + Paper Deck-Q1



F-1-3

- 7) Install the host machine in well-ventilated location; however, do not install the host machine near the air inlet of a room.

1.1.2 Points to Note Before Installation

0018-9020

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Make sure to note the followings before installing the host machine.

- 1) If moving the host machine from the cold place to a warm place abruptly, dew condensation is generated inside host machine and it may cause various image failures. Thus unpack and place the host machine in warm place for 2 hours or more to accustom the host machine to room temperature before installation.
(Condensation: condensation commonly occurs when a vapor is cooled to a liquid, for example, when metals are moved from a cool place to a warm place, vapors around metals are cooled into a liquid and attaches to metals.)
- 2) Since the host machine weighs 97kg at the maximum (including DADF), make sure to lift it with 4 people and also lift it in a horizontal position.

1.1.3 Combination Table of Accessories

0019-8481

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



The following list describes the accessories that can be installed on the right of host machine.
When installing the accessories described in the list, refer to the following list to check the combination before installation.

T-1-1

	Card Reader-C1	Document Tray-J1	Voice Guidance Kit-D1*	Voice Operation Kit-B1*
Card Reader-C1	-	yes	yes	yes
Document Tray-J1	yes	-	no	no
Voice Guidance Kit-D1*	yes	no	-	no
Voice Operation Kit-B1*	yes	no	no	-

yes: Can be installed together no: Cannot be installed together

* Unavailable in some regions.

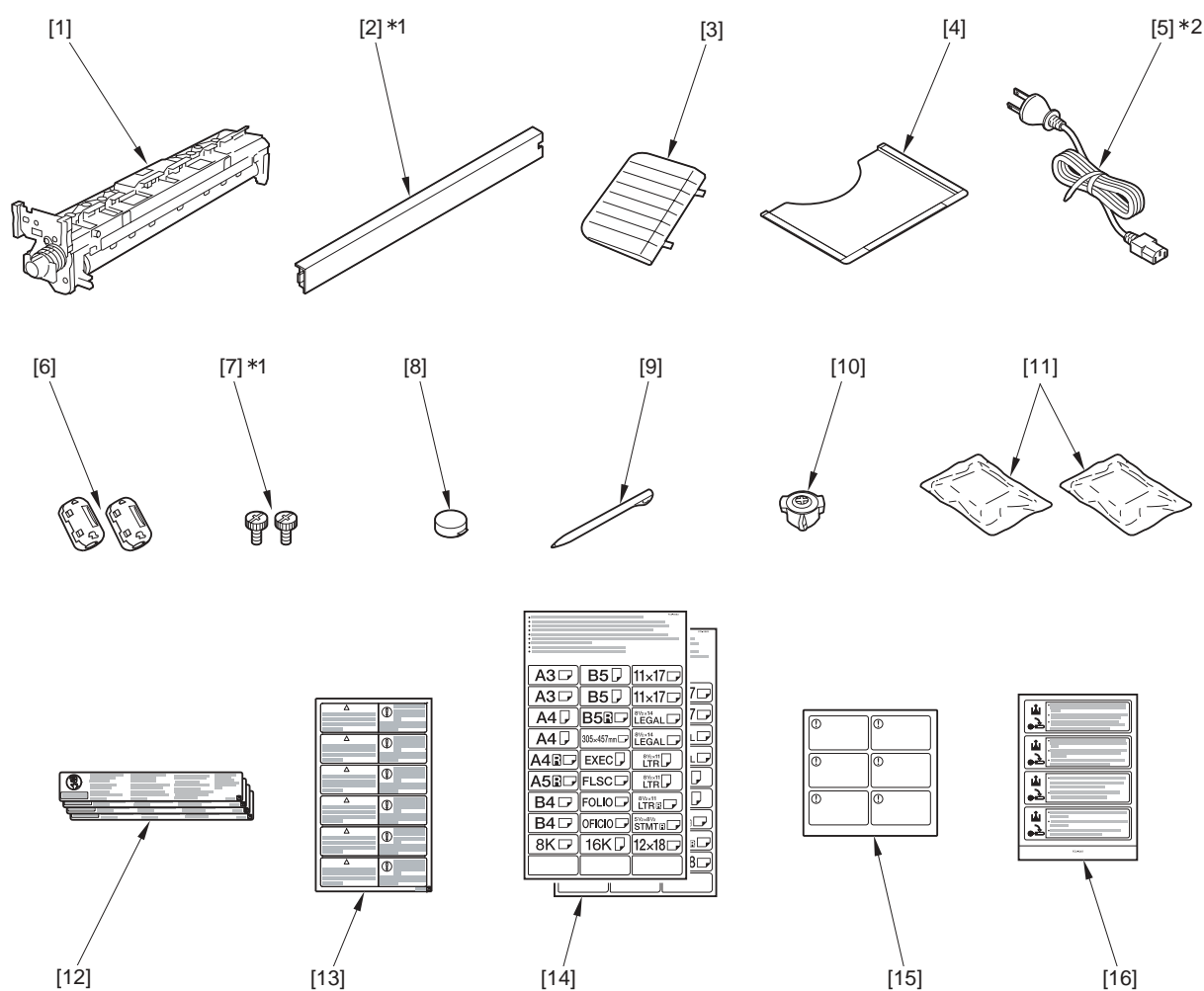
1.1.4 Checking the Contents

0020-0084

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

MEMO:

Get out all of the contents in the cassette.



F-1-4

[1]	Drum unit	1pc.	[2]*1	Right cover (lower)	1pc.
[3]	Reverse guide	1pc.	[4]	Service book case	1pc.
[5]*2	Power code	1pc.	[6]	Ferrite core	2pc.

[7]*1	Adjustment screw	2pc.	[8]	Rubber face cover	1pc.
[9]	Touch pen	1pc.	[10]	Stamp (only for the model with DADF)	1pc.
[11]	Filter	2pc.	[12]	Copy prohibition label	4pc.
[13]	Cleaning point label	1pc.	[14]	Paper size label	2pc.
[15]	Shut down label	1pc.	[16]	Lever set label	1pc.

*1; Use only when the cassette feeding unit is not installed.

*2; Use the correct power code to match the location/area of installation.

Make sure not to leave unused power code at the site.

Check the CD and guides according to the following table.

T-1-2

	iR3245/3235/3225	iR3245N/3235N/3225N
Users Guide	yes	yes
e-Manual	yes	yes
Tutorial CD (2pc.)	yes	yes
MEAP Administration Software CD	yes	yes
UFR II/PCL Driver/Utility CD	-	yes
iW MC CD	-	yes
SEND TRIAL EUR-B1	yes	yes

yes: included

1.2 Unpacking and Installation

1.2.1 Unpacking and Removing Fixing Member

0018-9036

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

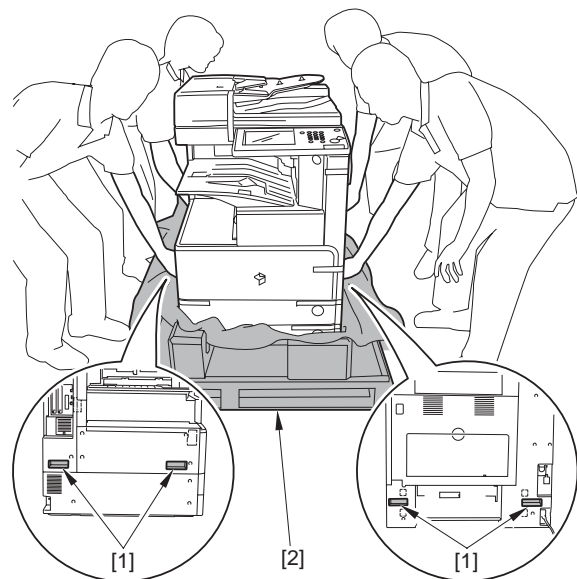
MEMO:

When installing the cassette feeding unit, put the host machine on the cassette feeding unit.
(Refer to the installation procedure of cassette feeding unit when installing the cassette feeding unit.)

- 1) Unpack the package of the host machine and remove the plastic covers.
- 2) Hold the 4 grips [1] at right and left, and lift down the host machine from the palette [2].

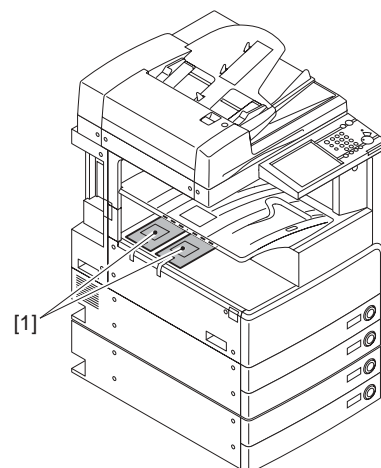


Since the host machine weighs 97kg at the maximum (including DADF), make sure to lift it with 4 people or more.



F-1-5

- 3) Remove the 2 filters [1] secured with the tape.

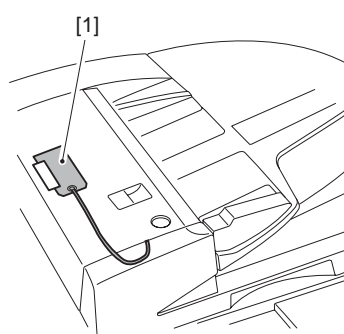


F-1-6

MEMO:

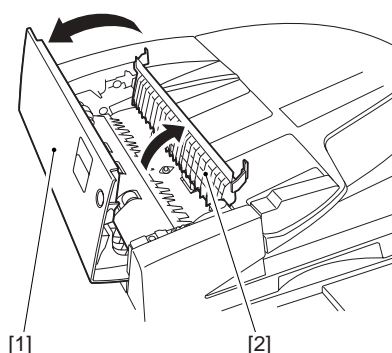
Perform the procedure from step 4) to 6) only for the model with DADF.

- 4) Remove the tag [1] secured to the DADF with a tape.



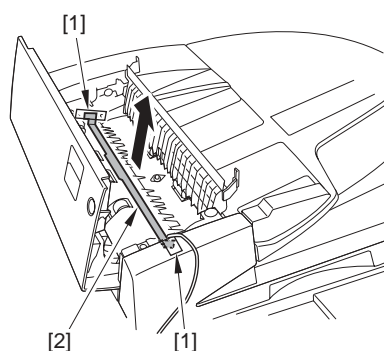
F-1-7

- 5) Open the feeder cover [1] of DADF and separation guide [2].



F-1-8

- 6) Remove the 2 tapes [1] and then remove the spacer [2]. (Do not use the removed spacer.)



F-1-9

- 7) Remove all tapes and fixing members at all parts.
 8) Remove the 2 scanner fixing screws [1] on the right of reader. (Store the scanner fixing screws for moving the host machine.)



F-1-10

- 9) Open the host machine right cover [1].



F-1-11

- 10) Remove the fixing pressure release cover [1] in the direction of the arrow.



If turning on the main power without removing the fixing pressure release cover, fixing heater may get damaged.

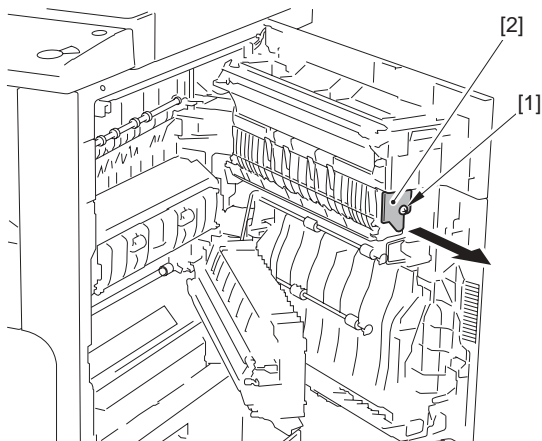


F-1-12

1.2.2 Installing the Filter 0019-8812

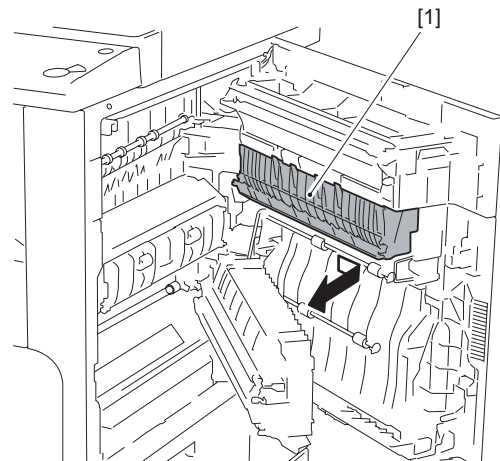
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Remove the screw [1] with the host machine right cover opened and remove the fixing plate [2].



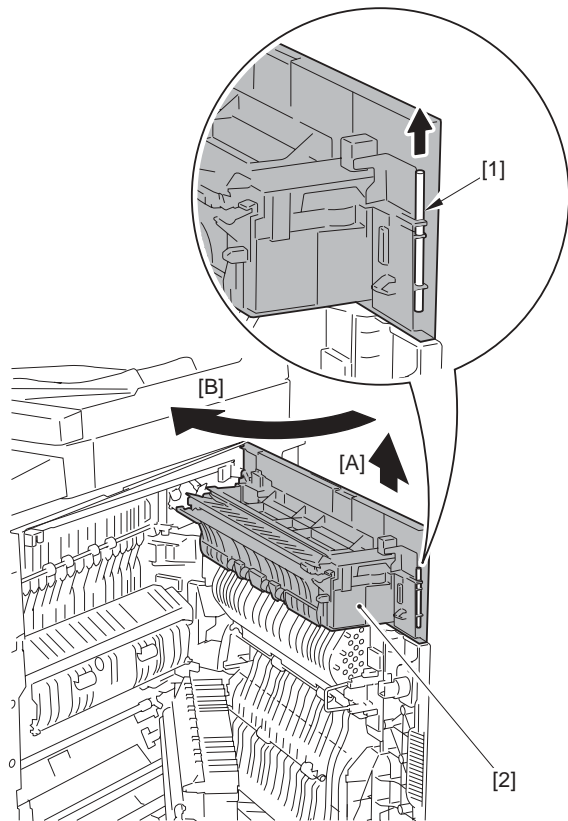
F-1-13

- 2) Remove the feeder guide [1] in the direction of the arrow.



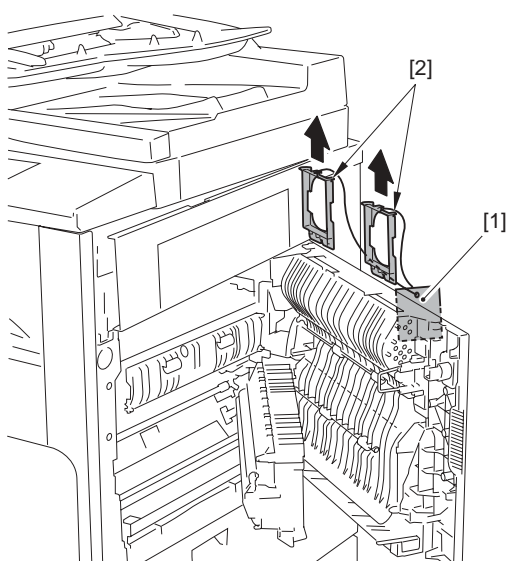
F-1-14

- 3) Remove the connecting shaft [1], move the 3 way unit [2] in the direction of [A], and then in the direction of [B] to free it.



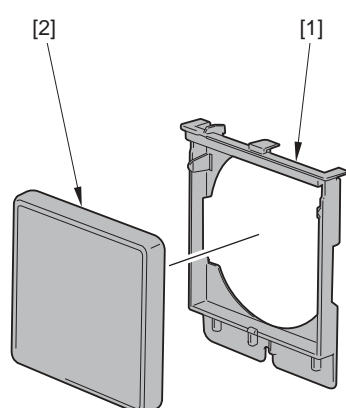
F-1-15

- 4) Remove the tape that secures the tag [1], remove the 2 filter holders [2].



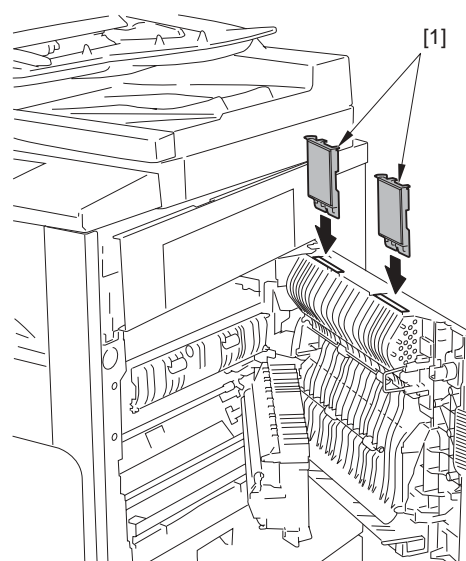
F-1-16

- 5) Remove the tag from the filter holder [1], and then install the filter [2] to the filter holder [1].



F-1-17

- 6) Install the 2 filter holders [1].



F-1-18

- 7) Install the connecting shaft to the 3 way unit and install the right cover of the host machine.
8) Install the feeder guide and fixing plate.
9) Close the host machine right cover.

1.2.3 Installing Toner Container

0018-9049

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Open the front cover [1].



F-1-19

- 2) Turn the lock lever [1] in the direction of the arrow.



F-1-20

- 3) Unpack the toner container and remove the cap [1].



F-1-21

- 4) Set the toner container [1] into the host machine.



F-1-22

- 5) Turn the lock lever [1] in the direction of the arrow to secure the toner container.



Turn the lock lever until it is in a horizontal position. If it is not turned enough, the toner is not normally supplied.

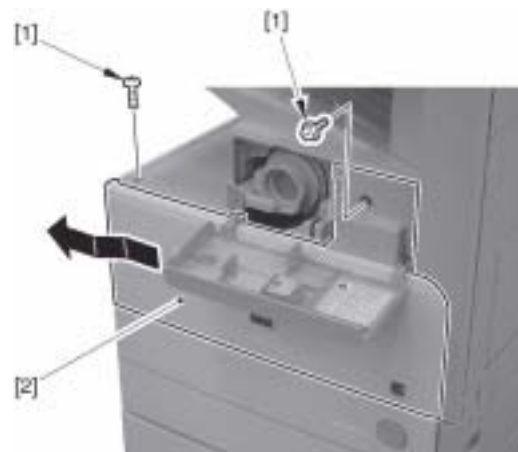


F-1-23

1.2.4 Installing Drum Unit [0018-9051](#)

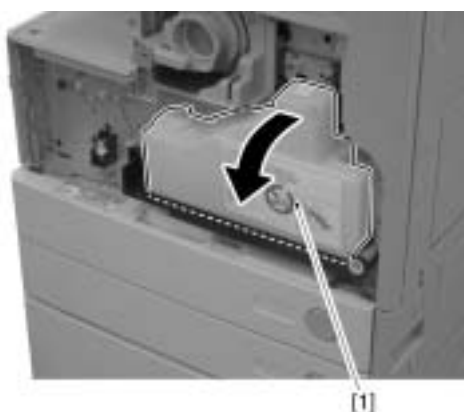
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Remove the 2 screws [1] and remove the front cover unit [2] in the direction of the arrow.



F-1-24

- 2) Remove the waste toner container [1].



F-1-25

3) Open the host machine right cover [1].



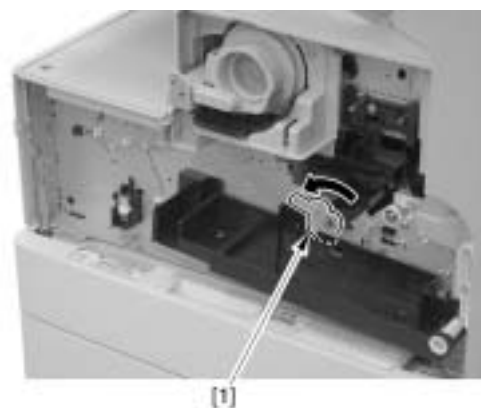
F-1-26

4) Remove the screw [1] on the developing assembly pressure lever.



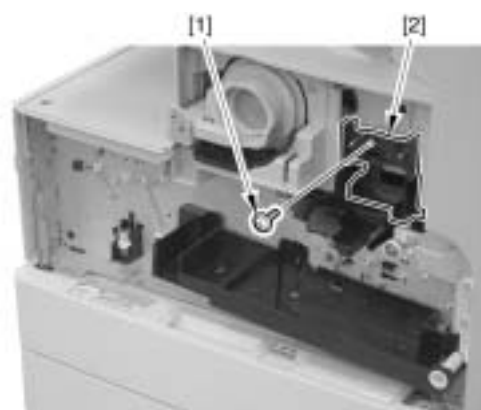
F-1-27

5) Turn the developing assembly pressure lever [1] in the direction of the arrow to release the pressure.

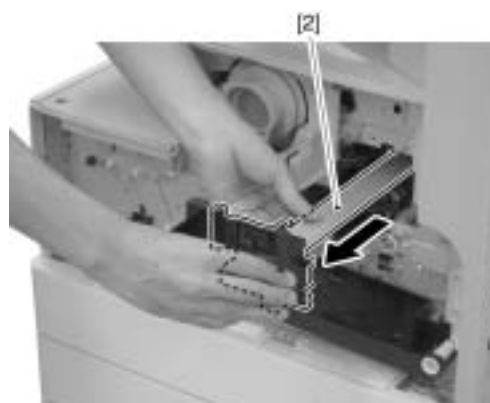


F-1-28

6) Remove the screw [1] and the dummy drum [2].
(Removed dummy drum will not be used.)



F-1-29



F-1-30

7) Remove the package of the drum unit and remove

the 2 drum pressure release rollers [1].



- Do not touch the surface of the photosensitive drum.
- Prevent the photosensitive drum from being exposed to the direct sunlight for many hours.
- Do not touch the rowel of the drum unit.

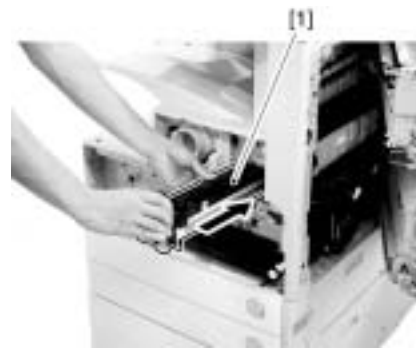
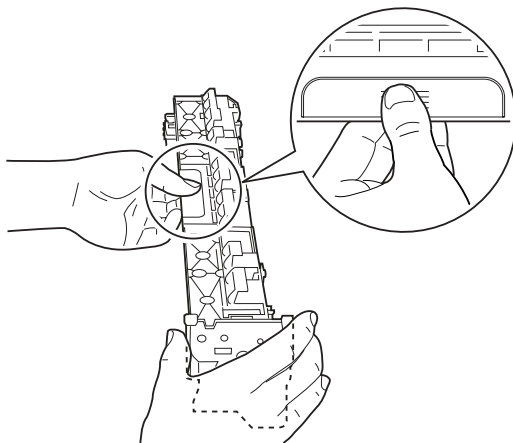


F-1-31

8) Insert the drum unit [1] into the host machine.

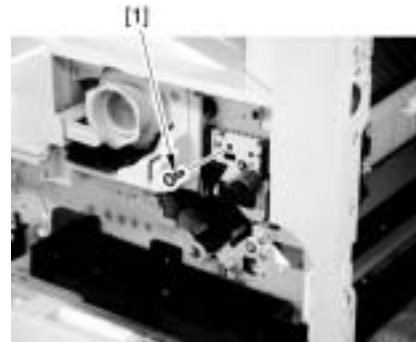


Hold the drum unit as instructed.



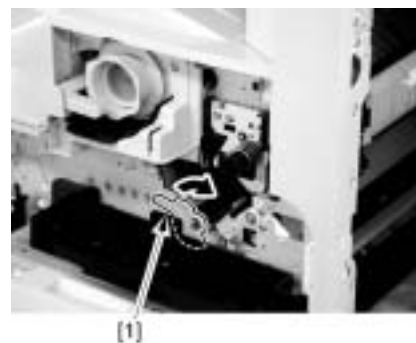
F-1-32

9) Fix the drum unit with the screw [1] removed by step 6).



F-1-33

10) Turn the developing assembly pressure lever [1] in the direction of the arrow to apply the pressure.



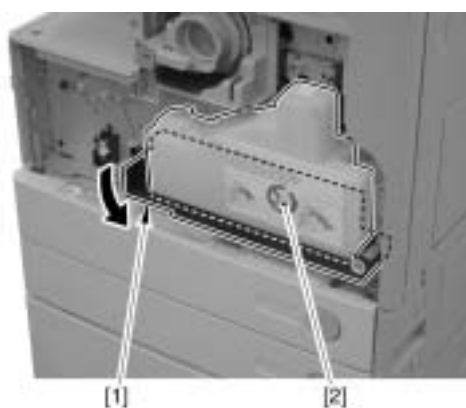
F-1-34

11) Fix the developing assembly pressure lever with the screw [1] removed by step 4).



F-1-35

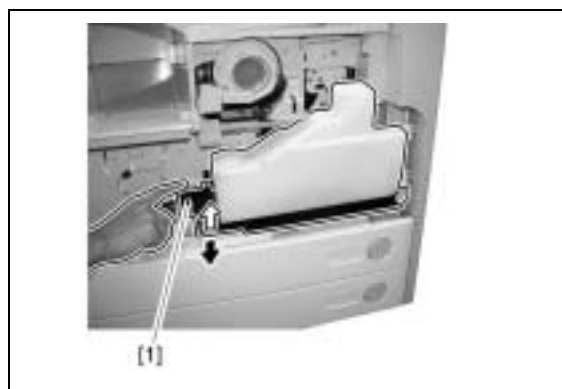
- 12) Close the host machine right cover.
 13) While lowering the waste toner full level detection lever [1], install the waste toner container [2].



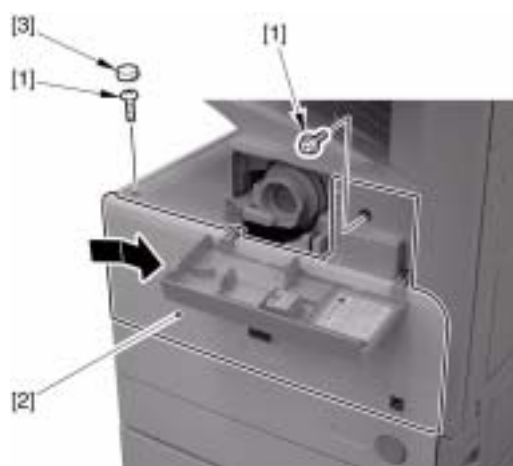
F-1-36



After installing the waste toner container, move the waste toner full level detection lever [1] up and down to check that it moves smoothly. If not, the lever may detect the full level erroneously.



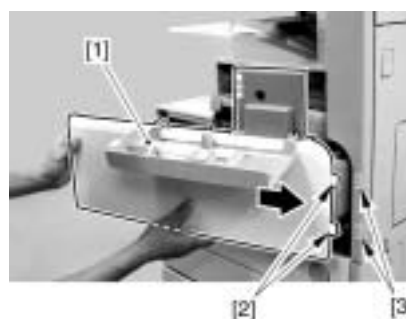
- 14) Fix the front cover unit [2] with the 2 screws removed by step 1) and install the rubber face cover [3].



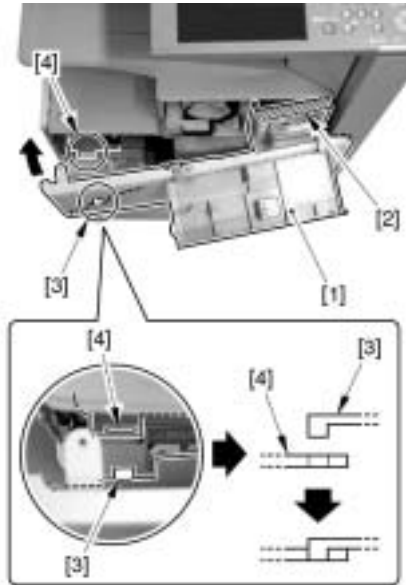
F-1-37

MEMO: installing the front cover unit

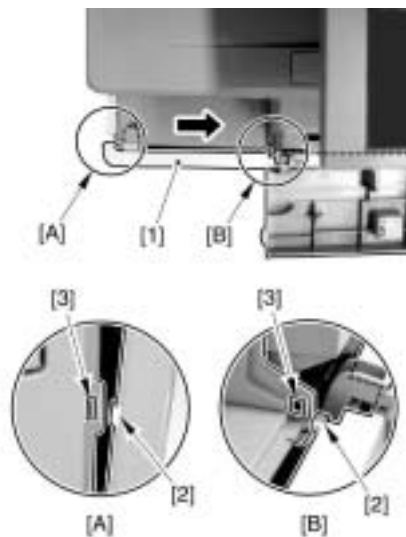
- 1) Insert the 2 claws [2] on the right of the front cover unit [1] into the claw holes [3] of host machine.



2) While aligning the top [2] of the front cover unit [1] with the host machine, insert the claw [3] on the left of the front cover unit [1] into the claw hole [4] of the host machine.



3) While aligning the 2 claws [2] on the front cover unit [1] with the 2 claw holes [3] of the host machine, install the front cover unit [1] in the right side.



15) Close the front cover.

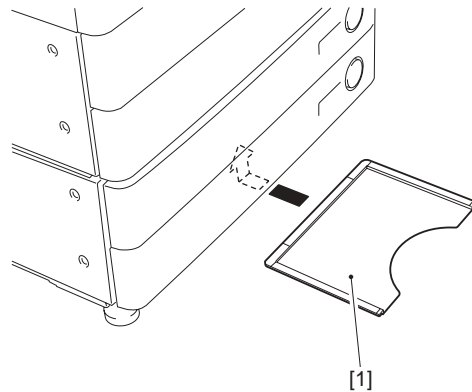
1.2.5 Installing Other Parts

0020-0087

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Service book case>

1) Remove the backing paper on the service book case [1] and put the service book case on the bottom plate of the cassette feeding unit.



F-1-38

⚠ Prohibited position for installation

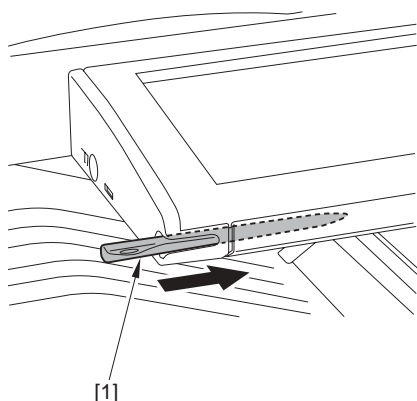
- Inside body (inner side of front cover)
- The position that covers the louver
- The position that covers the grip

MEMO:

If the cassette feeding unit is not installed, put it on the left cover of the host machine.

<Touch pen>

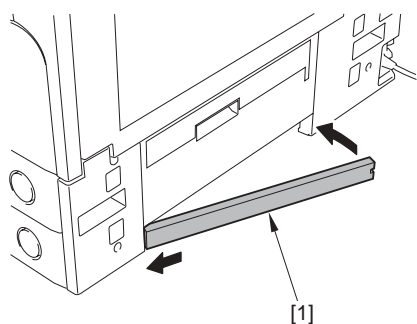
1) Set the touch pen [1] into the control panel.



F-1-39

<Right cover (lower) (only when the cassette feeding unit is not installed)>

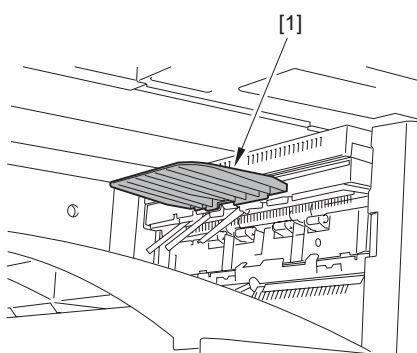
- 1) Install the right cover (lower) [1] in the direction of the arrow.



F-1-40

<Reverse guide>

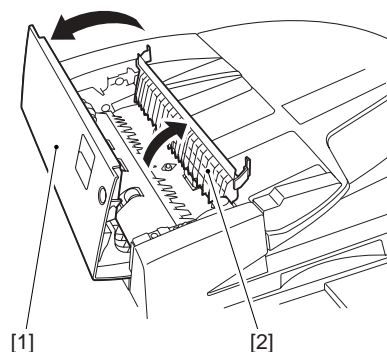
- 1) Install the reverse guide [1] onto the delivery assembly.



F-1-41

<Stamp (only for the model with DADF) >

- 1) Open the feeder cover [1] of DADF and separation guide [2].

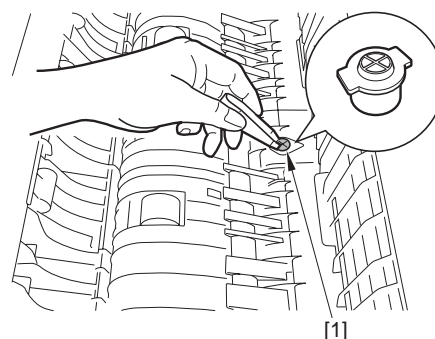


F-1-42

- 2) Install the stamp [1] with tweezers etc. Make sure to place the stamp with print side facing up.



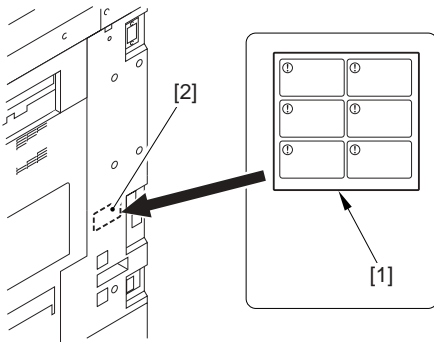
If the stamp is not set completely, jam may be generated. Be sure to push it until it clicks.



F-1-43

<Shut down label>

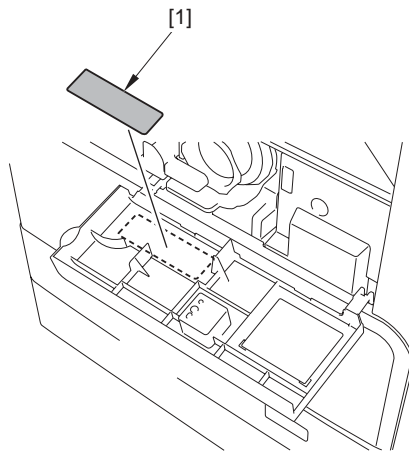
- 1) Put the shutdown label [1] in corresponding language on the left [2] of the main power on the right cover (rear).



F-1-44

<Lever set label>

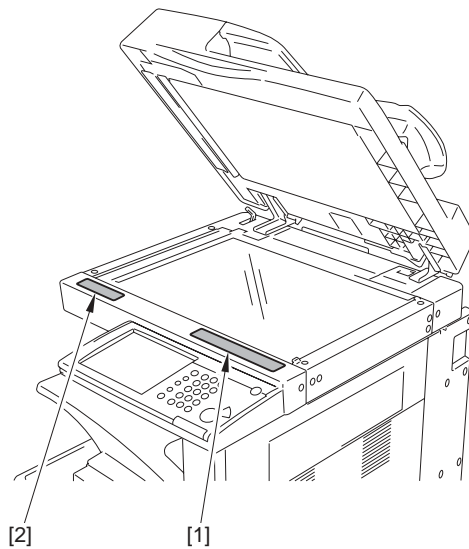
- 1) Open the front cover and put the lever set label [1] in the corresponding language.



F-1-45

<Copy prohibition label/Cleaning point label>

- 1) Open the platen cover/DADF.
- 2) Put the copy prohibition label [1] in corresponding language.
- 3) Put the cleaning point label [1] in corresponding language.
(Labels in English are affixed at shipping.)



F-1-46

<Ferrite core>



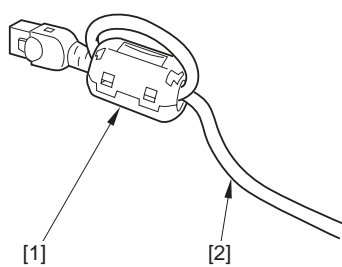
To prevent noise, be sure to install the ferrite core as follows.

- Install it as close as possible to the connection between the host machine and the cable.
- Make a turn of the cable around the ferrite core.
- Be careful not to get the cable caught in the ferrite core.

- 1) Install the ferrite core [1] to the network cable [2] of the user.

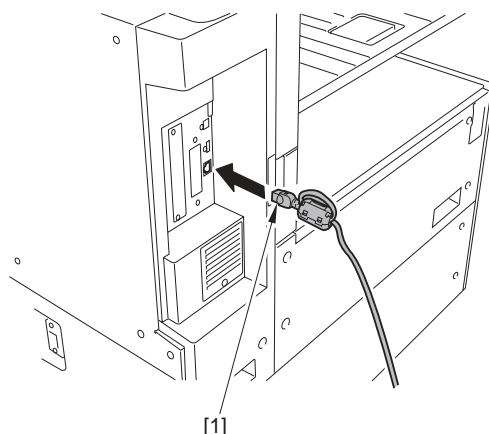


If using 1000Base-T, it is recommended to use twist pair cable that supports the enhanced category 5 (CAT5e) or higher.



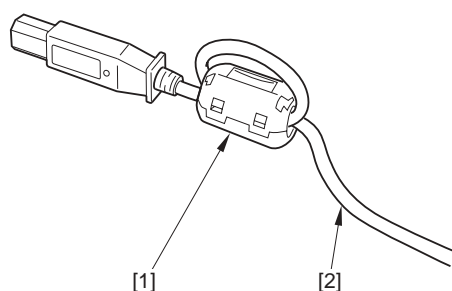
F-1-47

2) Connect the network cable [1] to the host machine.



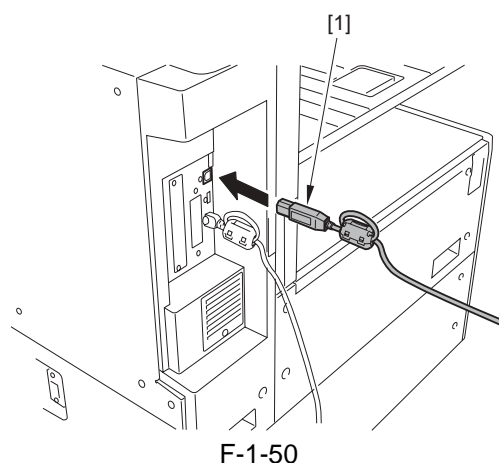
F-1-48

3) Install the ferrite core [1] to the USB cable [2] of the user.



F-1-49

4) Connect the USB cable [1] to the host machine.



F-1-50

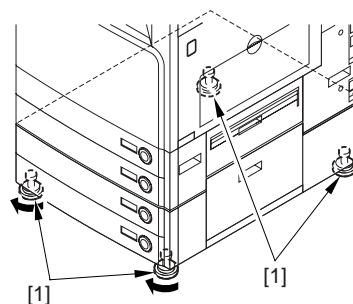
1.2.6 Fixing the Host Machine

0019-0207

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<In case that cassette feeding unit is installed>

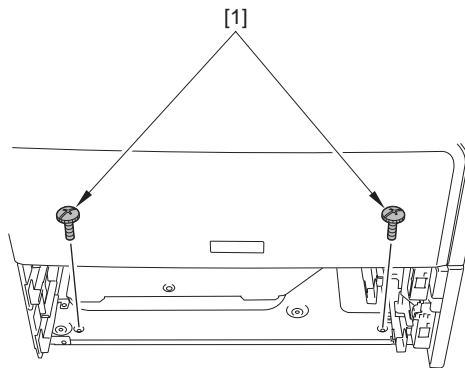
1) Move the host machine to the installation position and secure it with the 4 adjusters [1] of the cassette feeding unit.



F-1-51

<In case that cassette feeding unit is not installed>

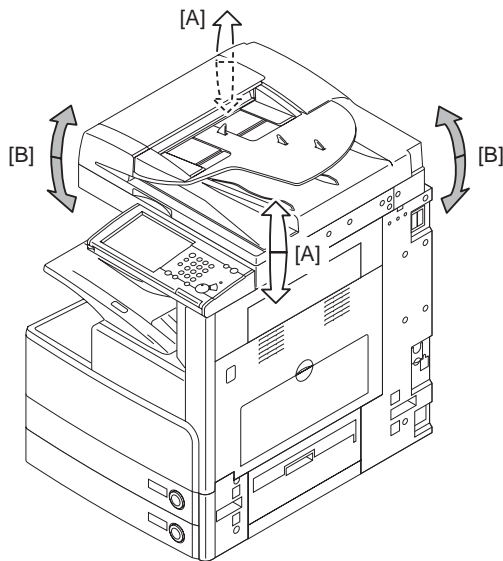
1) Remove the cassette 1, 2 and temporarily tighten the adjustment screws [1] until they slightly touch the bottom plate of the host machine.



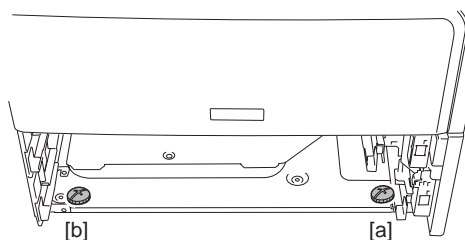
F-1-52

2) Check the stability of the host machine against a desk or floor etc and tighten the adjustment screw depending on the situation.

- If there is a gap in [A] direction, tighten the screw [a].
- If there is a gap in [B] direction, tighten the screw [b].



F-1-53



F-1-54

3) Put back the cassette 1, 2.

1.2.7 Connecting the Cable

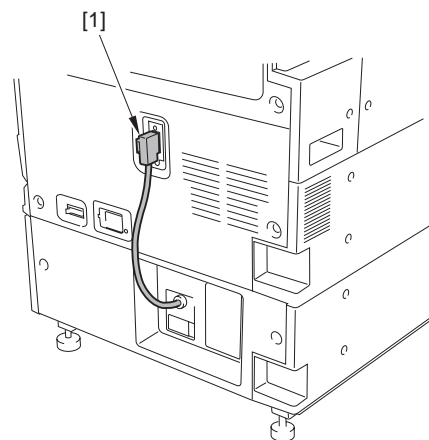
0020-0088

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



For other than the models with DADF, install the copyboard cover or the DADF as an option. When installing the DADF, refer to the installation procedure of the DADF.

1) When installing the cassette feeding unit, remove the lattice connector cover and insert the lattice connector [1] of the cassette feeding unit into the host machine.



F-1-55

2) Plug in the power code.



Use the correct power code to match the location/ area of installation.

Make sure not to leave unused power code at the site.

- 4) Turn ON the main power switch.

1.2.8 Points to Note When Turning OFF the Main Power

0019-0209

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

⚠ Turning OFF the main power

When turning off the main power, follow the procedures described below to protect the hard disk

- 1) Hold down the control panel power switch for 3 sec or more.
- 2) Operate the control panel as instructed on the shut-down sequence screen. (The main power will go off automatically.)
- 3) Unplug the power plug.

1.2.9 Stirring Toner

0019-0210

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

- 1) Enter the service mode.

Select: COPIER > FUNCTION > INSTALL >
TONER-S.

MEMO:

Stirring toner operation takes for approx 6 min. After counted, it automatically stops. Perform the cassette setting before the completion of toner stirring. (Refer to the cassette setting.)

- 2) When the count displays "OK!", exit the service mode.

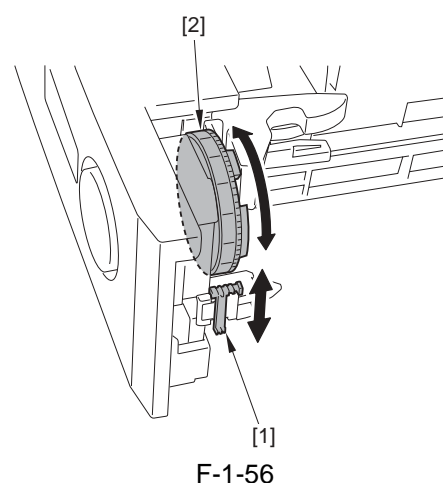
1.2.10 Cassette Setting

0019-4001

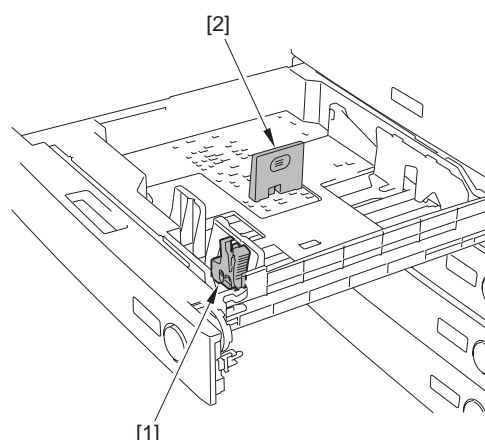
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /

iR3245N

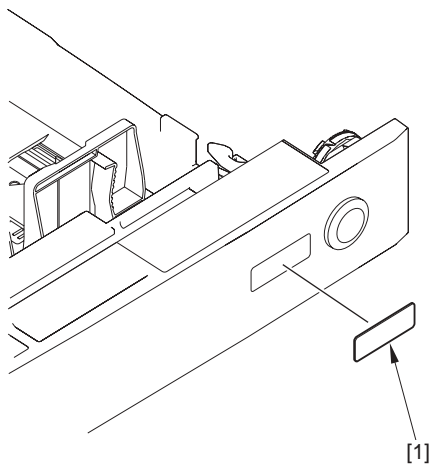
- 1) Press the cassette release button to pull out the cassette.
- 2) Check the paper type that users will be using and make sure that the size type selection switch [1] of the cassette matches with the required paper size type. If not, adjust the position of the size type selection switch to the corresponding paper size type.
- 3) Adjust the paper size registration dial [2] to the requires paper size.



- 4) Pick the lever [1] on the side guide plate and adjust the side guide plate to the intended size.
- 5) Tilt the side guide plate and remove it. Adjust the leading edge guide plate [2] to the intended size by following the instruction on the bottom on the cassette.



- 6) Put the paper size label [1] corresponding to the paper set on front of the cassette.



F-1-58

- 7) Set the paper into the cassette and put back the cassette.
 8) Specify the setting for the other cassette in the same manner.
 9) If the cassette feeding unit is installed, refer to the installation procedure of cassette pedestal to specify the cassette settings.

1.2.11 APVC Correction of Drum

0019-4002

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Enter the service mode.
 Select: COPIER > FUNCTION > DPC > D-GAM-MA.

MEMO:

After the paper is picked up from the cassette 1, blank paper is delivered and APVC correction completes automatically (indifferent to paper size in the cassette).

- 2) Exit the service mode.



Just after the stirring toner, floating toner inside the body due to toner stirring may attach to the test print (back side) slightly. This will be cleared after making a couple of copies.

1.2.12 Auto Gradation Correction

0019-4381

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Open the platen cover/DADF.
- 2) Clean the copyboard glass.
- 3) Set the A3, A4, 11x17 or LTR paper into the cassette. (refer to the cassette settings.)
- 4) Press [Additional Functions].
- 5) Press [Adjustment/Cleaning] > [Auto Gradation Adjustment] > [Test Print].
 - Test print will be output.
- 6) By following the control panel screen, place the test print on the copyboard glass.
- 7) Close the platen cover/DADF.
- 8) Press [Start Scan].
 - Test print will be scanned.
 - 'Auto gradation Adjust is finished' will be displayed.
- 9) Remove the test print from the copyboard glass.
- 10) Exit the [Additional Functions].

1.2.13 Screen Position Adjustment

0019-4005

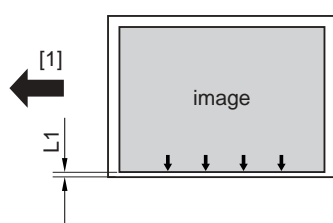
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



"2nd side on 2-sided print" used below means the 2nd side at image formation.
With the host machine, 2nd side on 2-sided copy/print at image formation is corresponding to the 1st side of originals.

1. Left Marge adjustment (1st side)

Make a copy from cassette 1, 2 and manual pickup feed unit, and check that the left margin is within 2.5 +/- 1.5mm.

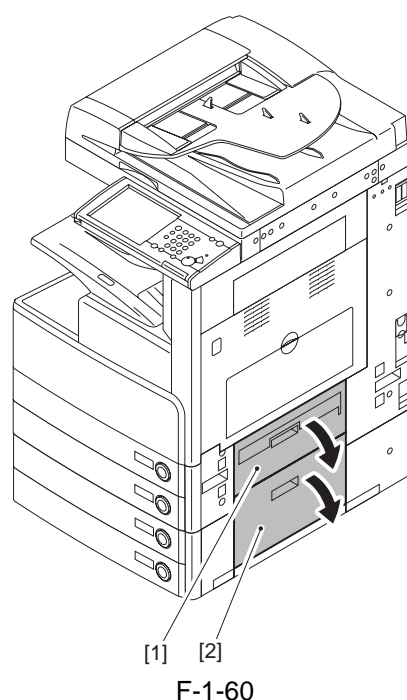


F-1-59

[1] paper feed direction

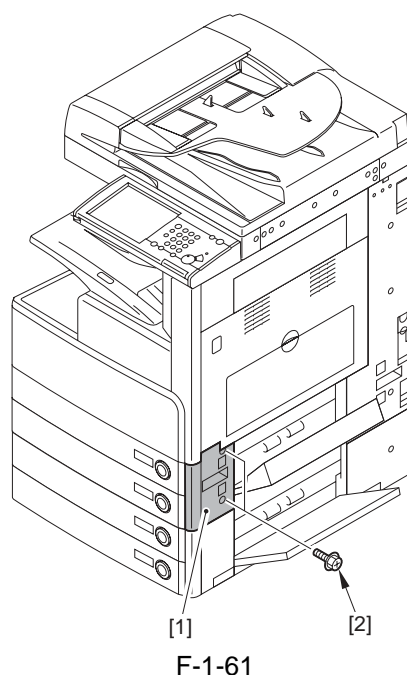
<If the cassette 1 or 2 is out of standard>

- 1) Open the cassette upper right cover [1]. If the cassette feeding unit is installed, open the cassette lower right cover [2].



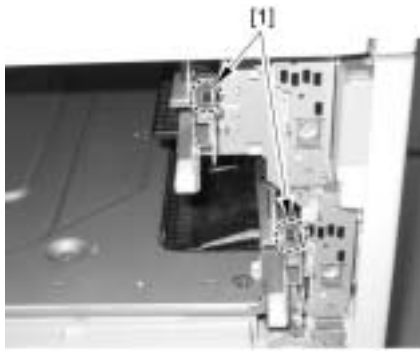
F-1-60

- 2) Remove the right cover (lower front) [1].
- 2 screws [2]

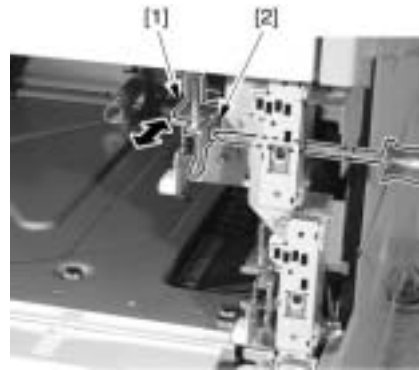


F-1-61

- 3) Remove the cassette 1 or 2.
- 4) Check the position [1] of the scale on the adjustment plate.



F-1-62



F-1-64

A. Adjusting the cassette 1.

A-1) Disengage the 2 claws [1] and remove the grip (front right) [2] in the direction of the arrow.



F-1-63

A-2) Loosen one fixing screw [2] on the adjustment plate [1].

A-3) Move the adjustment plate back or forth in reference to the scale checked by step 4). Moving the adjustment plate toward rear of the host machine increases the left margin.

A-4) Tighten the fixing screw.

A-5) Put back the cassette 1.

A-6) Make a copy from the cassette 1 and check that the left margin is within $2.5 \pm 1.5\text{mm}$.

A-7) Install the grip (front right).

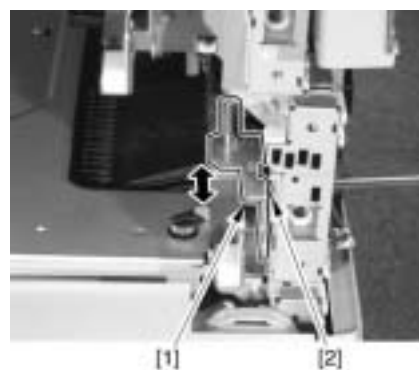
A-8) Install the right cover (lower front). (if continuing to adjust the cassette 2, this is not needed.)

A-9) Close the cassette lower right cover and cassette upper right cover.

B. Adjusting the cassette 2.

B-1) Loosen one fixing screw [2] on the adjustment plate [1].

B-2) Move the adjustment plate back or forth in reference to the scale checked by step 4). Moving the adjustment plate toward rear of the host machine increases the left margin.



F-1-65

B-3) Tighten the fixing screw.

B-4) Put back the cassette 2.

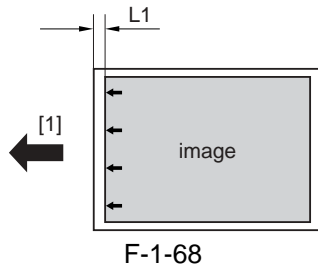
B-5) Make i copy from the cassette 2 and check

Increasing the value by "1" enlarges the left margin on 2nd side of large paper by 0.1mm.

7) Enter the new adjustment value on the service label.

3. Leading edge margin adjustment

1) Make a copy from the cassette 1 and check that the leading edge margin L1 is within 2.5 +/- 1.5mm.



[1] paper feed direction

2) If it is out of standard, change the adjustment values of the leading edge margin.

- Service mode > COPIER > ADJUST > FEED-ADJ > REGIST

Increasing the value by "1" enlarges the leading edge margin by 0.1mm.

3) Make a copy from the cassette 1 and check that the leading edge margin is within 2.5 +/- 1.5mm.

4) Enter the new adjustment value on the service label.

1.3 Checking the Connection to the Network

1.3.1 Overview

0019-4007

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Perform this item only when connecting the host machine to the network.

If the user's network environment is TCP/IP, use Ping function to check that the network setting is performed appropriately.

If the user's network environment is IPX/SPX or Apple Talk, this check is not needed.



If using 1000Base-T, it is recommended to use twist pair cable that supports the enhanced category 5 (CAT5e) or higher.

1.3.2 Ping Operation Procedure

0019-4009

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

1) Enter the service mode.

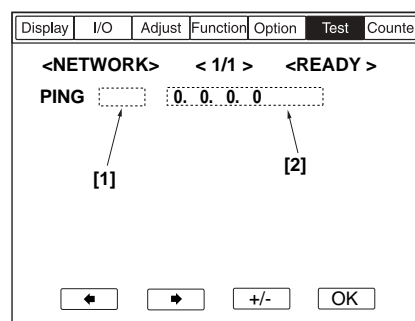
Select: COPIER > TEST > NETWORK > PING.

2) Enter the IP address with using numeric keys on the control panel and press [OK].

3) Press [Start].

- If Ping succeeds, "OK" will be displayed.

- If Ping fails, "NG" will be displayed.



F-1-69

[1] Result (OK/NG)

[2] IP address

1.3.3 Checking Network with Remote Host Address

0019-4030

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Executing Ping with using remote host address enables to check if the connection is properly made with network or not.

MEMO: Remote host address

IP address of the PC terminal that connects with the TCP/IP network environment which the host machine will be connected to.

1) Let a system administrator know that the check of network connection with Ping will be performed.

2) Ask a system administrator the remote host address.

3) Enter the remote host address into Ping.

- If "OK", the machine is connected to the network appropriately.

- If "NG", the machine is not connected to the network appropriately; thus, perform the following "Troubleshooting the Network".

1.3.4 When Not Using Network Connection 0019-4032

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

When the machine is not connected to the network, the message that prompts "Check the network connection" is displayed. To hide this, change the following setting from ON => OFF in additional function mode.

- [Additional Functions] > [System Settings] > [Network Settings] > [Change Settings/Display Connection Confirm]

1.4 Troubleshooting the Network

1.4.1 Overview

0019-4087

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Execute this item only when connecting the host machine to the network.

If the network connection cannot be made, the following factors may contribute.

- a. Failure in the connection between the network and the host machine
- b. Failure in the setting of TCP/IP in the host machine
- c. Failure in the user's network
- d. Failure in the main controller PCB

The following shows how to check these factors.

1.4.2 Check with Loopback Address

0019-4091

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Since loopback address returns before the network controller (main controller PCB), executing Ping with this address enables to check whether the TCI/IP setting in the host machine is valid or not.

- 1) Enter the loopback address (127.0.0.1) into PING.
 - If "NG", check the TCP/IP setting again and execute Ping again.
 - If "OK", check the local host address.

1.4.3 Check with Local Host Address

0019-4095

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Since the local host address is the host machine's IP address and it returns from the network controller, executing Ping with this address enables to check whether the network controller (main controller PCB) is valid or not.

- 1) Enter the host machine's IP address into PING.
- 2) If "NG", make the following check/measure and execute Ping again.
 - Failure in the IP address of the host machine: ask a system administrator whether the assigned IP address is valid or not.
 - Failure in main controller PCB: Replace the main controller PCB.
- 3) If "OK", user's network environment may have problems. Tell a system administrator the situation and ask to cope with it.

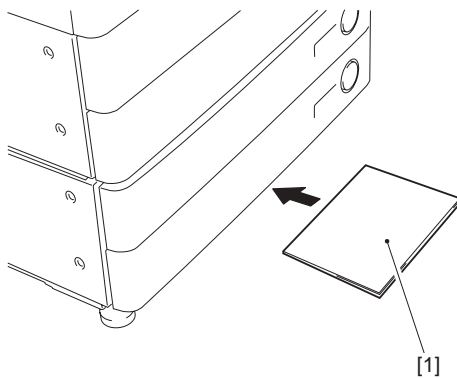
1.5 Checking the Images/ Operations

1.5.1 Checking the Image/Operation

0019-4109

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

- 1) Set a test chart on the copyboard glass and feed the paper from the each cassette to check the image.
 - Check that there is no abnormal noise generated.
 - Check the image quality in each magnification.
 - Check that the copy is appropriately made in compliance with the specified number of copy set.
- 2) Configure the [Additional Functions] (date, time etc.) if requested.
- 3) Configure the machine specification related to users if requested.
 - Service mode > COPIER > OPTION > USER
- 4) Output P-PRINT.
 - Service mode > COPIER > FUNCTION > MISC-P > P-PRINT
- 5) Exit service mode.
- 6) Store the output P-PRINT [1] into the service book case.



F-1-70

- 7) Clean around the host machine.

1.6 Installing the Card Reader

1.6.1 Notice At Installation

0019-5419

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



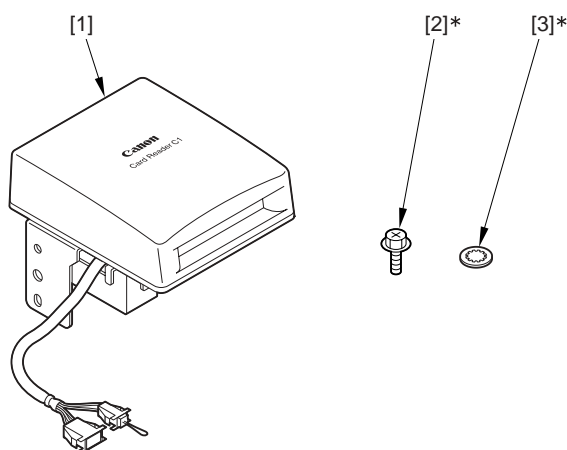
- Installation of the equipment calls for a Card Reader Attachment-B3.
- See "Combination Table of Accessories" when installing this equipment.

1.6.2 Checking the Contents

0018-9070

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Card Reader-C1>



F-1-71

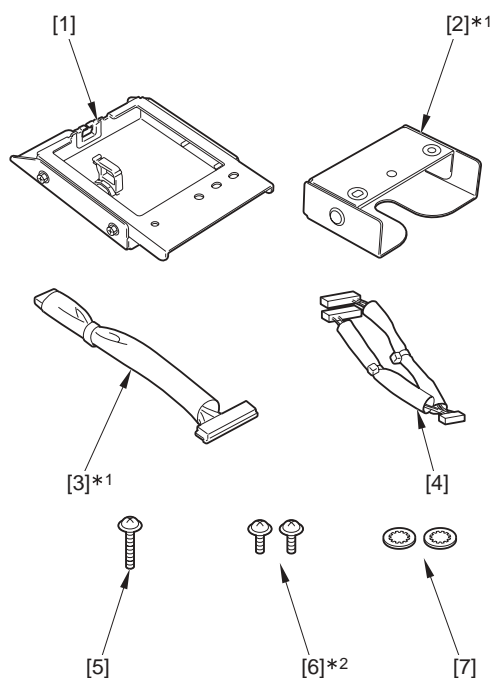
[1] Card reader 1 pc.

[2]* Screw (RS tightening; M4X10) 1 pc.

[3]* Toothed washer 1 pc.

* Not used in this host machine.

<Card Reader Attachment-B3>



F-1-72

[1] Card reader attachment base 1pc

[2]*1 Card reader support plate 1pc

[3]*1 Relay harness1 1pc

[4] Relay harness2 1pc

[5] Screw (TP; M4X25) 1pc

[6]*2 Screw (TP; M4X8) 2pc

[7] Toothed washer 2pc

*1 Not used in this host machine.

*2 1pc is used with this host machine.

1.6.3 Turning OFF the Power of the Host Machine

0018-9072

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.6.4 Installation Procedure

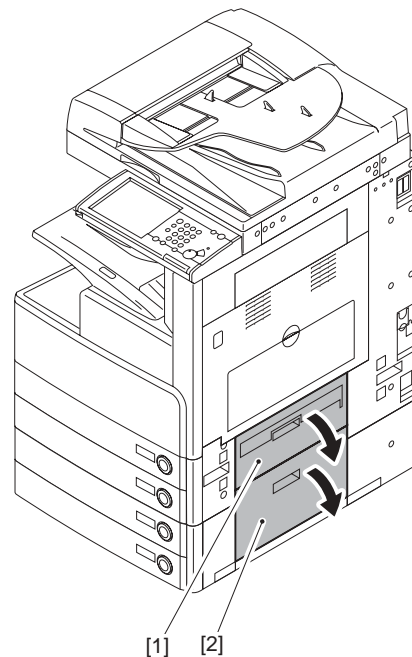
0018-9173

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



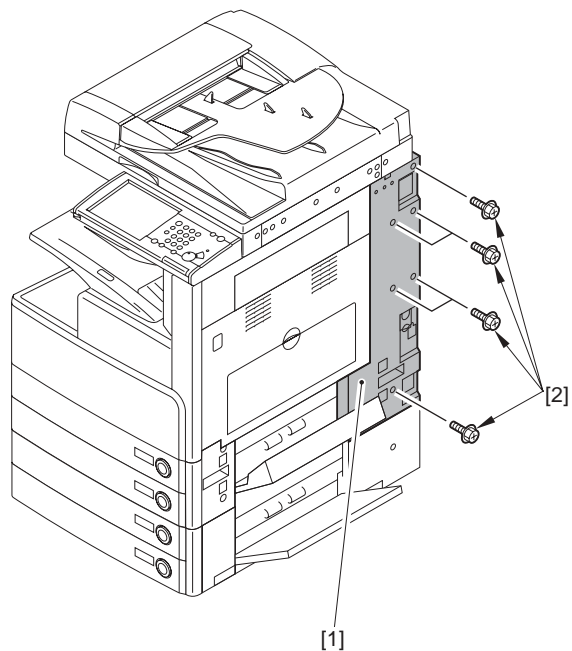
After the card reader is installed, go through the following in Service Mode of this machine: COPIER > FUNCTION > INSTALL > CARD, and enter the card number to use. Be sure to enter the card number otherwise the card is not recognized when the card is inserted.

- 1) Open the cassette upper right cover [1]. If the cassette pedestal is installed, open the cassette lower right cover [2].



F-1-73

- 2) Remove the rear right cover [1].
- 6 screws [2]

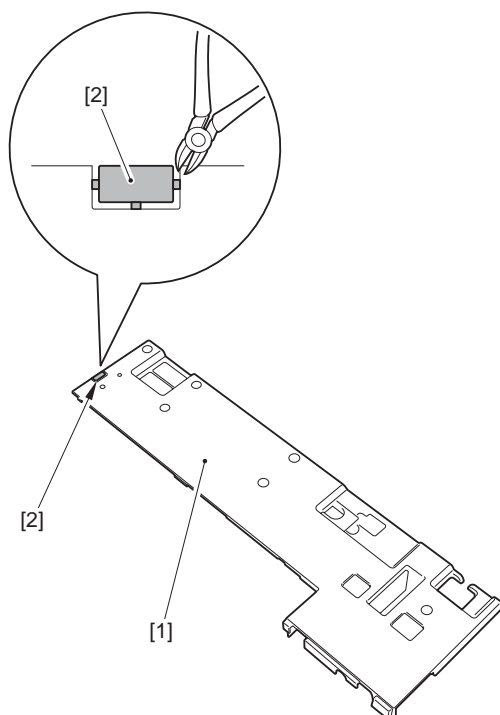


F-1-74

- 3) Remove the face cover [2] of the rear right cover [1] with nippers.

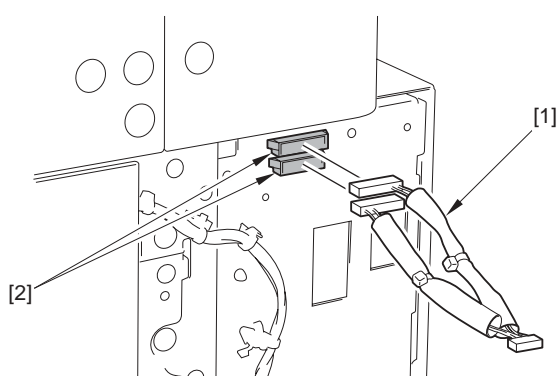


Be sure to remove face cover properly so that no burr is formed.



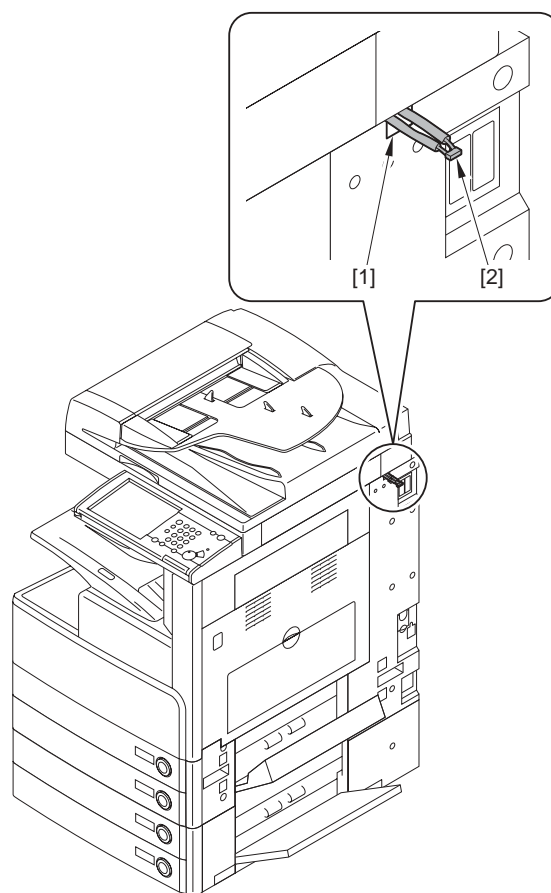
F-1-75

- 4) Insert the relay harness2 [1] to the 2 connectors [2] of the host machine.



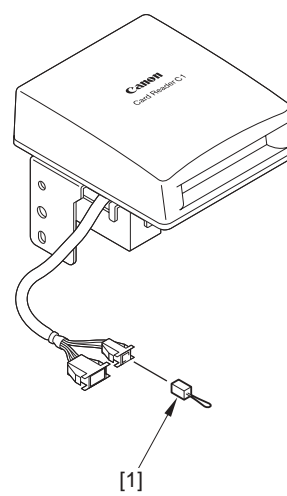
F-1-76

- 5) Take out the relay harness2 [2] from the cutoff [1] and install the rear right cover.



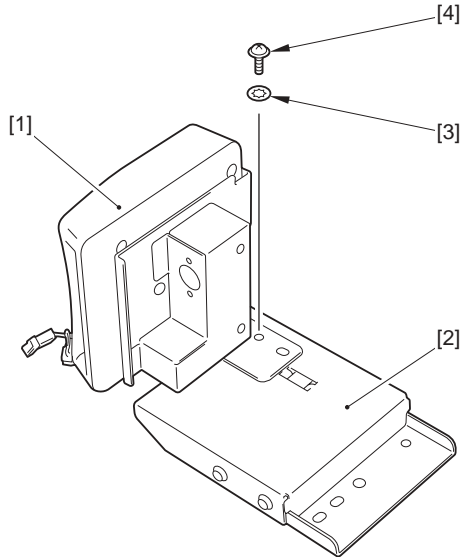
F-1-77

- 6) Close the cassette upper right cover and the cassette lower right cover.
7) Disconnect the jumper [1]. (Do not use the removed jumper.)



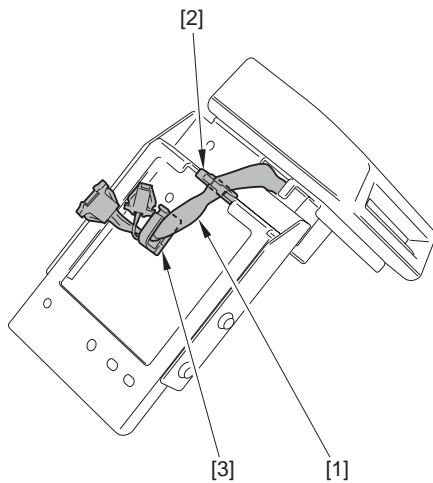
F-1-78

- 8) Install the card reader [1] to the card reader attachment base [2].
- 1 toothed washer [3]
 - 1 screw (TP; M4X8) [4]



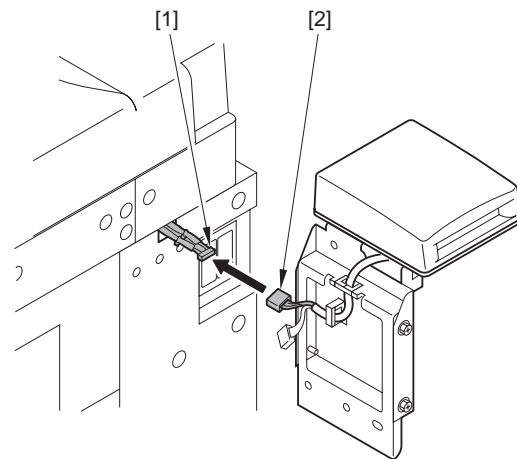
F-1-79

- 9) Secure the card reader relay harness [1].
- 1 edge saddle [2]
 - 1 wire saddle [3]



F-1-80

- 10) Connect the relay harness connector [1] installed in step 4) to the card reader relay harness connector [2].

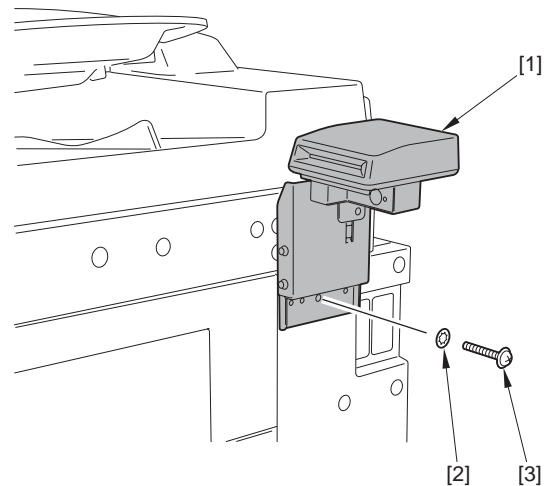


F-1-81

- 11) Fit the 2 bosses to install the card reader [1].
- 1 toothed washer [2]
 - 1 screw (TP; M4X25) [3]



Do not get the harness caught.



F-1-82

- 12) Insert the power plug into the outlet.
- 13) Turn ON the main power switch.
- 14) Get in Service Mode (COPIER > FUNCTION > INSTALL > CARD) and enter the card number to use (1 to 2000).
- Enter the smallest card number of the cards used

by the user.

- From the entered number, up to 1000 cards can be used.

- 15) Follow the instructions on the shutdown sequence screen to turn OFF and then ON the main power switch.
- 16) Insert the card with registered valid number to check it's at standby state.

1.6.5 Installation Procedure in the imageWARE Accounting Manager (hereinafter referred to iWAM) Environment

0019-9964

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Check to see that 'ID00000001 to ID00001000' have been created in '[Additional Functions] > [System Settings] > [Dept. ID Management] > [Register Dept.ID/Password] / [Page Totals]' (In the case of entering '1' as the first number in 'Service Mode > COPIER > FUNCTION > INSTALL > CARD')
- 2) Press [Reset] to exit from [Additional Functions].
- 3) Select [Additional Functions] > [System Settings] > [Network Settings] > [TCP/IP Settings] > [IP Address Settings], and then make the setting of [IP Address], [Gateway Address], [Subnet Mask] according to the user environment.
- 4) Press [Reset] to exit from [Additional Functions].
- 5) Turn OFF the power supply following the shutdown sequence.
- 6) Turn on the main power switch.
- 7) [Additional Functions] > [System Settings] > [System Manager Settings], and then input any number into [System Manager ID] and [System Password].



[Additional Functions] > [System Settings] > [System Manager Settings] is selected and [System Manager ID] and [System Password] are registered, 'Registration of card to the device' is impossible to execute in the setting of iWAM.

- 8) Press [Reset] to exit from [Additional Functions].

1.7 Installing the Original Holder

1.7.1 Notice At Installation

0019-8446

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



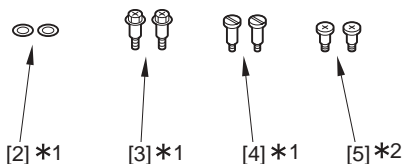
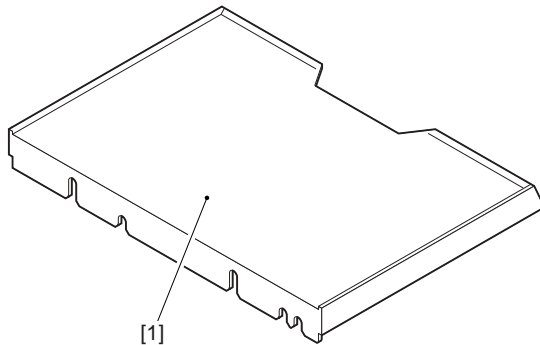
See "Combination Table of Accessories" when installing this equipment.

1.7.2 Checking Components

0018-8091

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Document Tray-J1>



F-1-83

[1]	Document tray	1pc.
[2]*1	Washer	2pc.
[3]*1	Stepped screw (RS tightening; M4X18)	2pc.
[4]*1	Stepped screw (M4X17.6)	2pc.
[5]*2	Stepped screw (M4X10.8)	2pc.

*1 Not used with this machine.

*2 Only the head of a screw is painted in white.

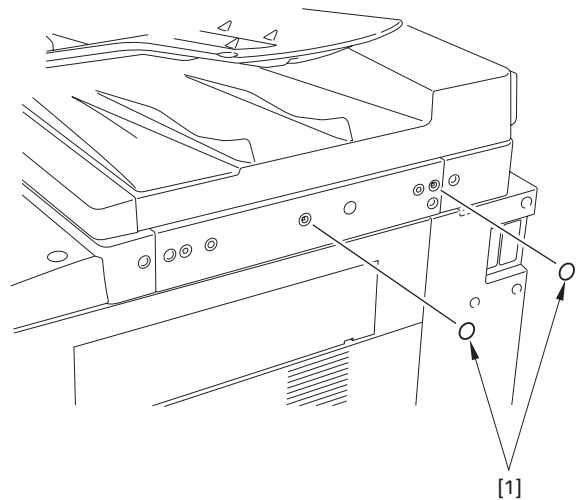
1.7.3 Installation Procedure

0018-8203

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

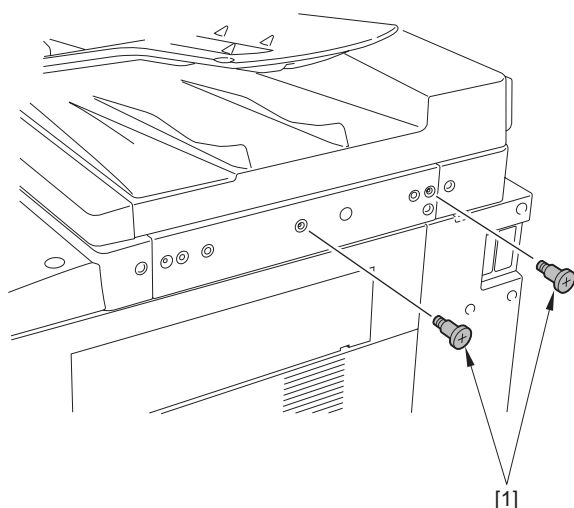
A: If the card reader is not equipped to the host machine

- 1) Remove the 2 face cover seals [1]. (Do not use the removed face cover seals.)



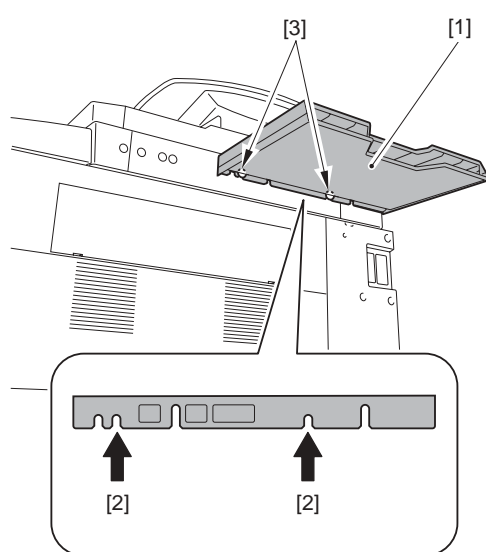
F-1-84

- 2) Install the 2 stepped screw (M4X10.8) [1] with the reader right cover.



F-1-85

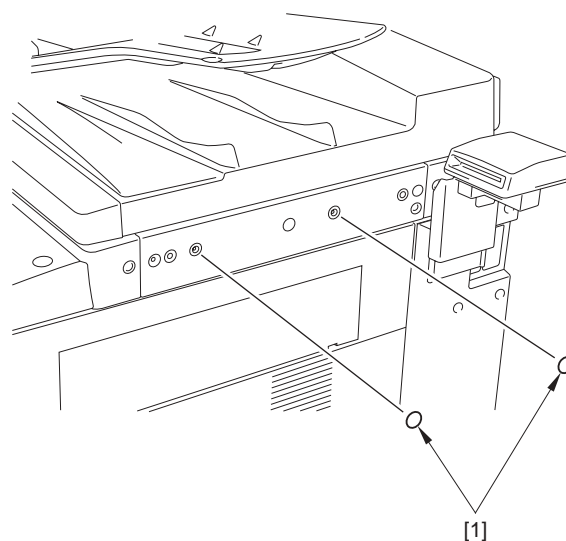
- 3) Fit the support plate's cutoff [2] of the document tray [1] with the stepped screws [3] installed in the previous step.



F-1-86

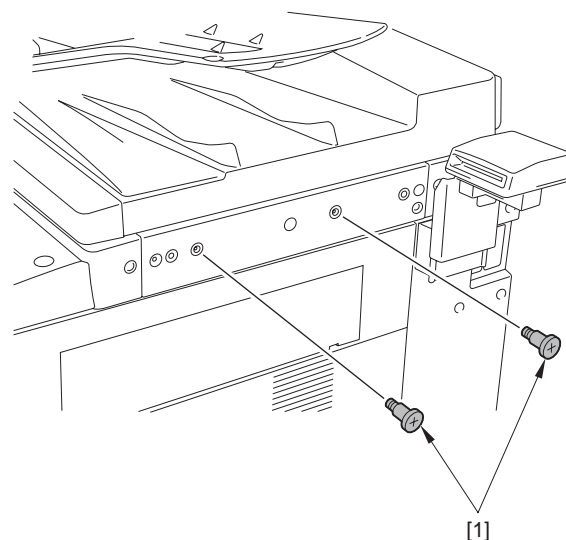
B: If the card reader is equipped to the host machine.

- 1) Remove the 2 face cover seals [1]. (Do not use the removed face cover seals.)



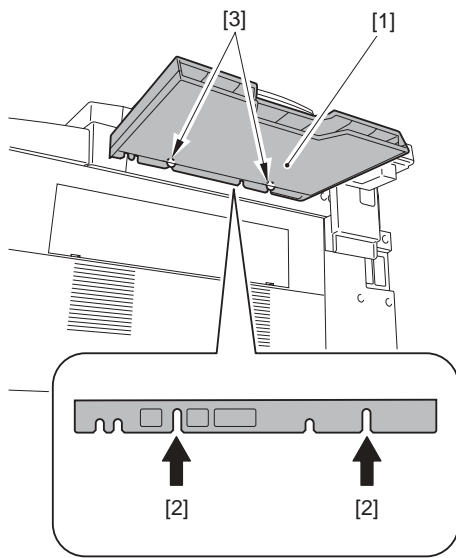
F-1-87

- 2) Install the 2 stepped screw (M4X10.8) [1] with the reader right cover.



F-1-88

- 3) Fit the support plate's cutoff [2] of the document tray [1] with the stepped screws [3] installed in the previous step.



F-1-89

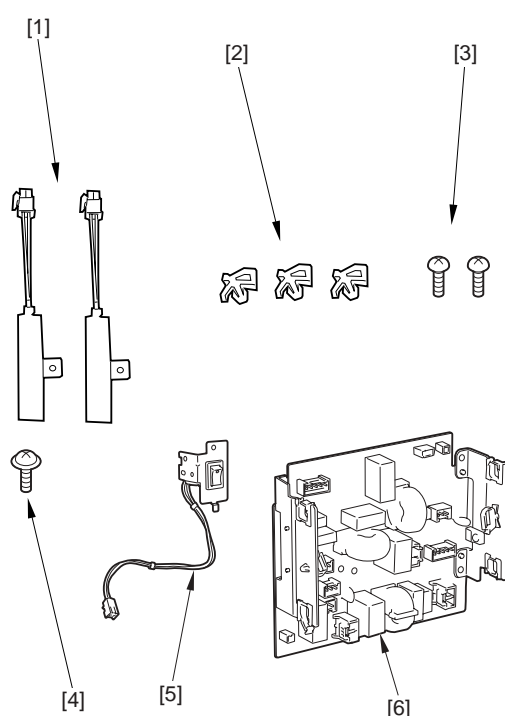
1.8 Installing the Reader Heater

1.8.1 Checking Parts to Install

0019-5566

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to have the following parts ready because each part of the Reader Heater is supplied as Service Parts.



F-1-90

T-1-3

No.	Name	Part No.	Qty.
[1]	Reader Heater	FK2-0228-000	2 pc.
[2]	Clamp	WT2-0507-000	3 pc.
[3]	Screw (Binding M4X6)	XB1-2400-609	2 pc.
[4]	Screw (TP; M3X6)	XB6-7300-607	1 pc.
[5]	Environment switch unit	FM3-7052-000	1 pc.
[6]	AC driver PCB	FM3-5085-000	1 pc.

1.8.2 Turning OFF the Power of the Host Machine

0018-8153

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

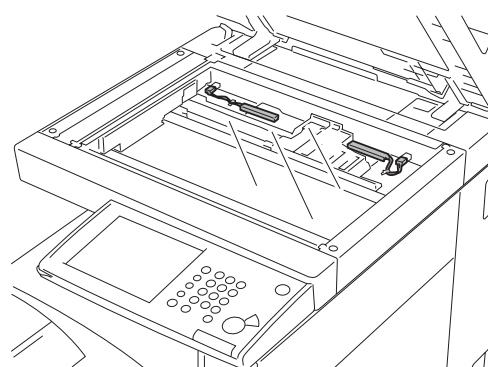
1.8.3 Installation Procedure

0018-8098

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Installation positions of the reader heaters (2pc.)

Install the reader heater both at the rear left and rear right sides of the reader. (a total of 2 reader heaters).



F-1-91

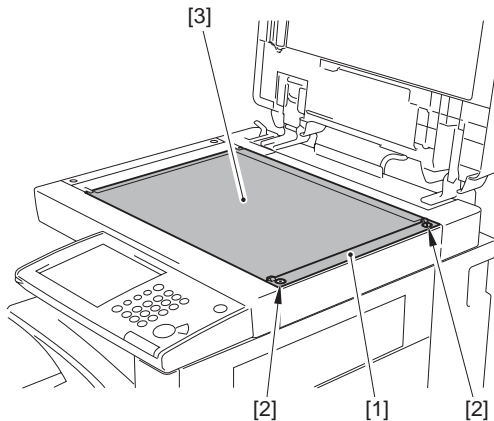
MEMO:

The 2 reader heaters are identical.
They can be installed either at left or right side.

- 1) Open the copyboard cover/DADF
- 2) Remove the glass retainer (right) [1].
-2 screws [2]
- 3) Remove the copyboard glass [3].



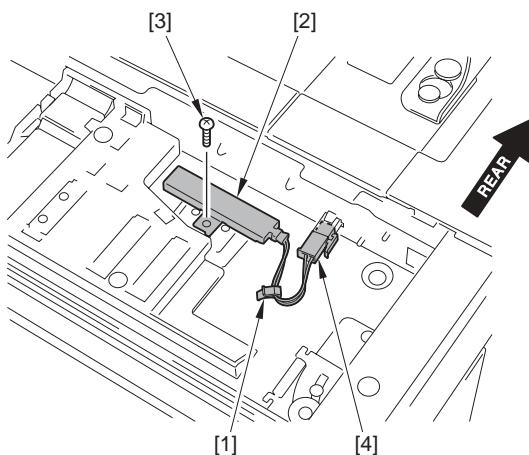
When removing the copyboard glass, be sure not to put your fingers on the glass surface and the white plate at the back (soil causes black lines on image). Be sure to clean soil with lint-free paper moistened with alcohol if soil is attached.



F-1-92

- 4) Install the clamp [1].
- 5) Install the reader heater [2].
 - 1 screw (Binding; M4X6) [3]
- 6) Connect the connector [4] of the reader heater and secure the harness of the reader heater with the clamp [1].

Rear right side of the reader (enlarged)

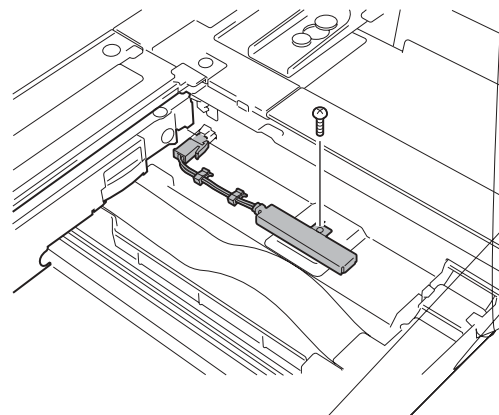


F-1-93

- 7) Move the CCD unit [1] to the far left.

- 8) Install the 2 clamps [2].
- 9) Install the reader heater [3].
 - 1 screw (Binding; M4X6) [4]
- 10) Connect the connector [5] of the reader heater and secure the harness of the reader heater with the 2 clamps [2].

Rear left side of the reader (enlarged)

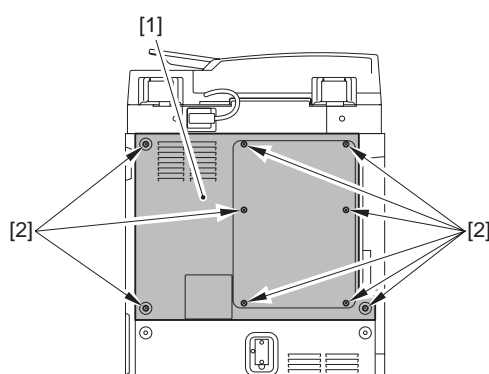


F-1-94

- 11) Install the copyboard glass and the glass retainer (right), and close the copyboard cover/DADF.
- 12) Disconnect the lattice connector [1] of the cassette pedestal.

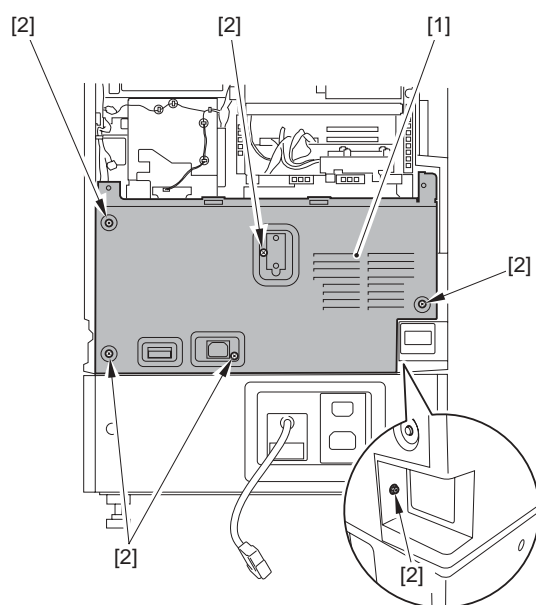
F-1-95

- 13) Remove the upper rear cover [1].
 - 9 screws [2]



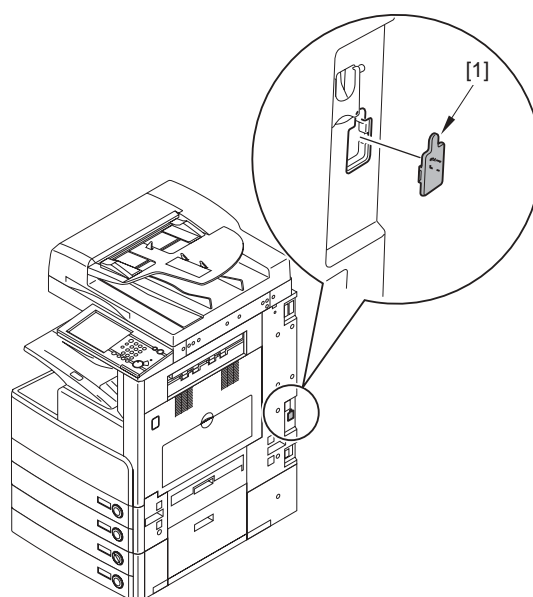
F-1-96

- 14) Remove the lower rear cover [1].
-6 screws [2]



F-1-97

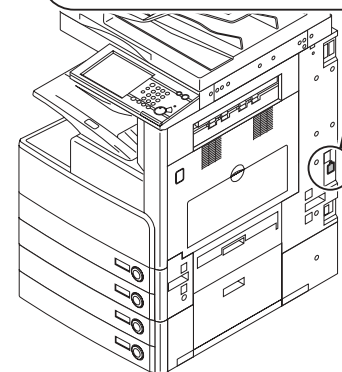
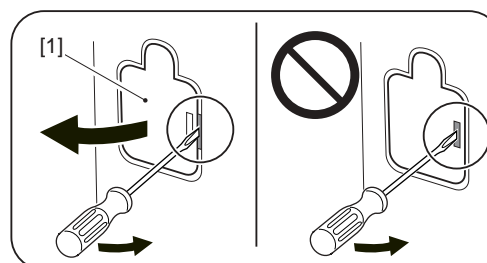
- 15) Remove the environment heater switch cover [1].



F-1-98



When turning detaching the environment heater switch cover [1], use a flatblade screwdrivers.



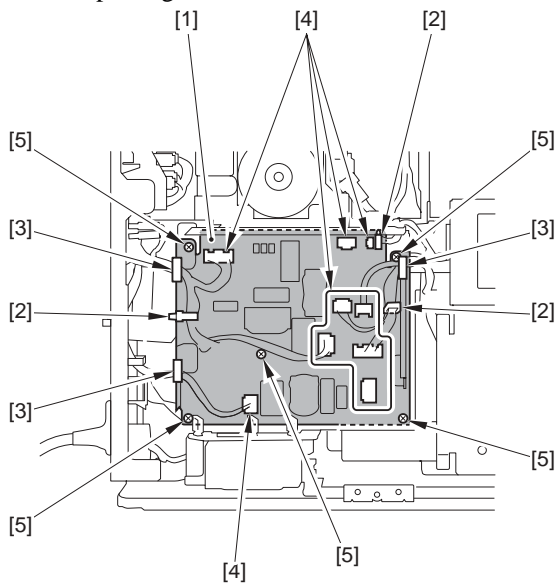
- 16) Remove the AC driver PCB from the host machine and replace it with the new AC driver PCB [1].



When replacing the AC driver PCB, be sure to make a note of the position of the connector and to connect the connector to the original position.

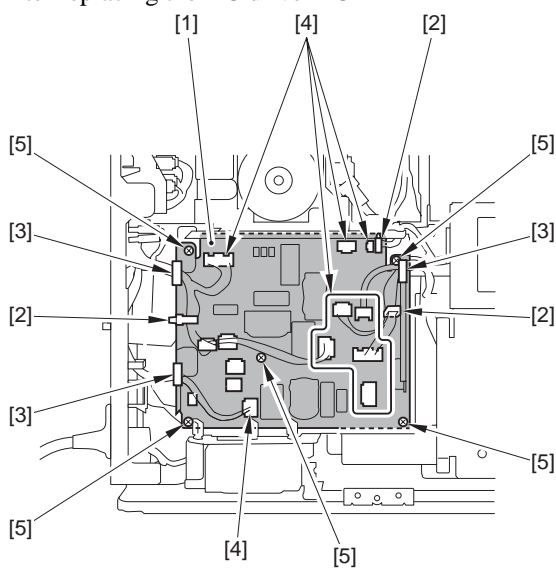
- 3 wire saddles [2]
- 3 edge saddles [3]
- 9 connectors [4]
- 5 screws (w/washer) [5]

Before replacing the AC driver PCB



F-1-99

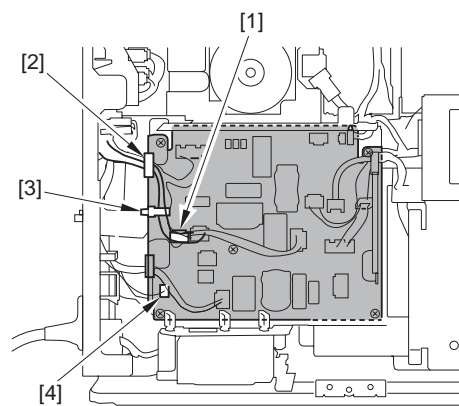
After replacing the AC driver PCB



F-1-100

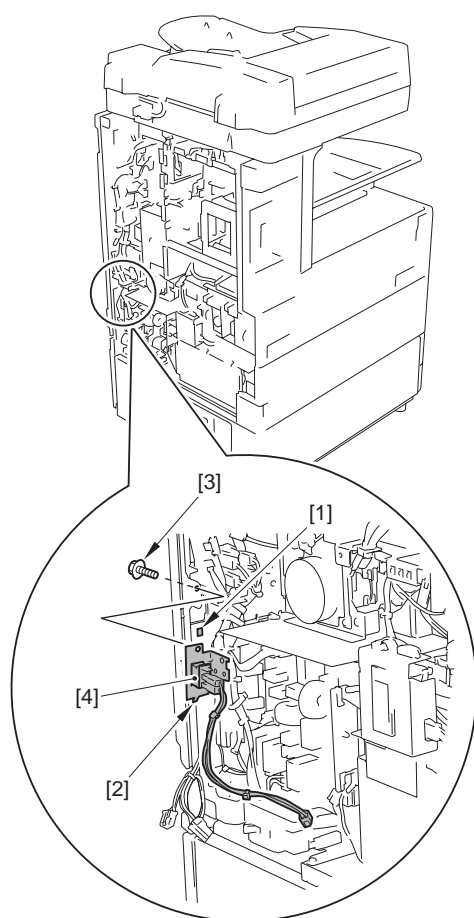
- 17) Connect the connector for the reader heater that is situated near the AC driver PCB and is connected to the host machine to J485 [1] of the AC driver PCB.
- 1 edge saddles [2]
 - 1 wire saddles [3]

Connect the connector for the DC controller that is situated near the AC driver PCB and is connected to the host machine to J486 [4] of the AC driver PCB.



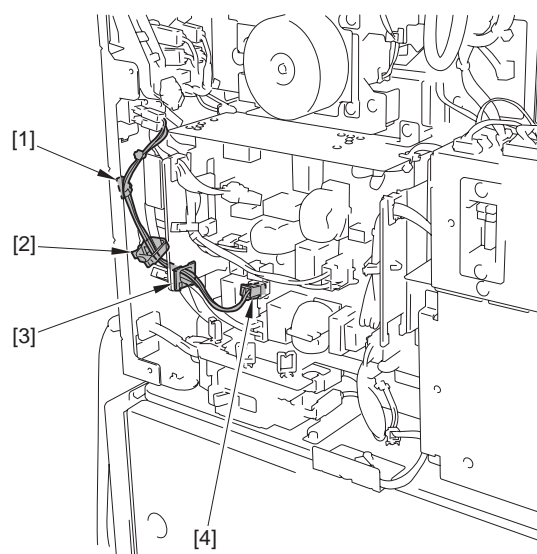
F-1-101

- 18) Insert the protrusion [2] of the environment switch unit into the host machine frame hole [1] and install the environment switch unit [4] with the screw (TP; M3X6) [3].



F-1-102

- 19) Connect the connector [1] of the environment switch unit to J483 of the AC driver PCB.
- 1 reuse band [2]
 - 1 wire saddles [3]
 - 1 edge saddles [4]



F-1-103

- 20) Install the lower rear cover.
- 21) Install the upper rear cover.
- 22) Connect the lattice connector to the host machine.
- 23) Connect the host machine's power plug to the outlet, and then turn ON the main power switch.
- 24) Turn on the environment heater switch.
- 25) Install the environment heater switch cover.

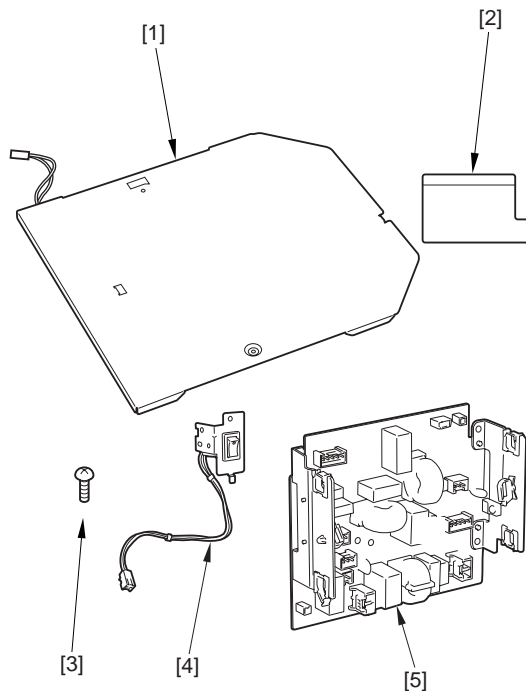
1.9 Installing the Cassette Heater

1.9.1 Checking Parts to Install

0019-4539

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to have the following parts ready because each part of the Cassette heater unit is supplied as Service Parts.



F-1-104

T-1-4

No.	Name	Part No.	Qty.
[1]	Cassette heater	FM3-3772-000	1pc.
[2]	Heater cover	FC5-6899-000	1pc.
[3]	Screw (Binding; M4X6)	XB1-2400-607	1pc.
[4]	Environment switch unit	FM3-7052-000	1pc.
[5]	AC driver PCB	FM3-5085-000	1pc.

1.9.2 Turning OFF the Power of the Host Machine

0019-4548

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

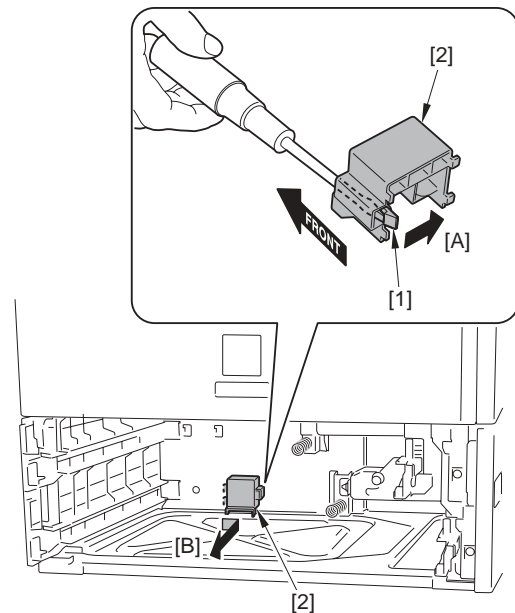
1.9.3 Installation Procedure (Cassette Heater Unit)

0019-4549

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

1. Installation to the host machine's cassette

- 1) Pull out cassette 1 and 2.
- 2) Remove the claw [1] in the direction of the arrow [A] using a flat-blade screwdriver, and move the connector cover [2] in the direction of the arrow [B] to remove.



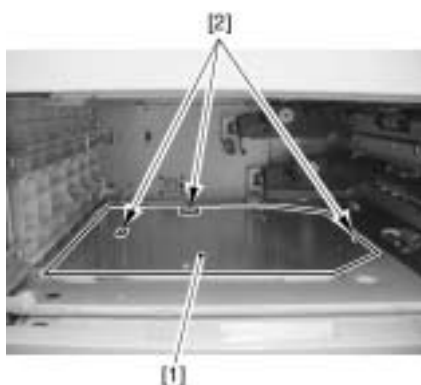
F-1-105

- 3) Insert the 3 hooks [2] of the cassette heater [1] into

the slits of the bottom plate to fit with the holes position.

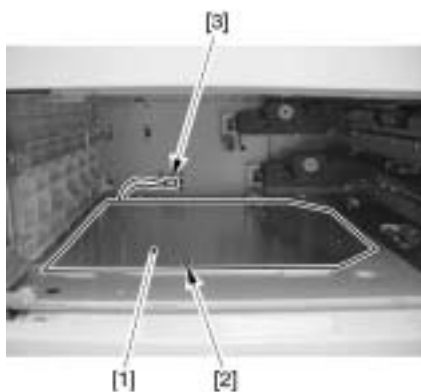


When installing the cassette heater, be sure to securely insert the 3 hooks [2] to be fitted with the plate.



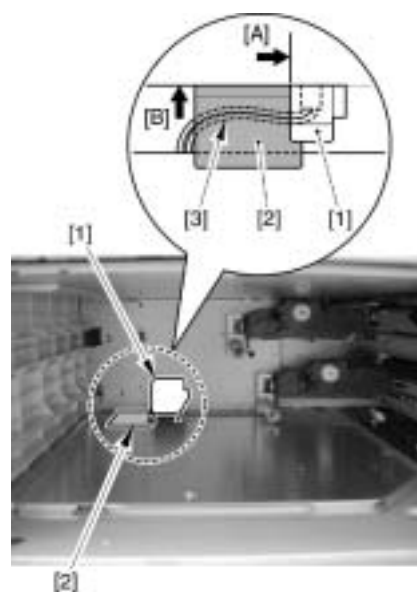
F-1-106

- 4) Install the cassette heater [1].
 - 1 screw (Binding; M4X6) [2]
 - 1 connector [3]



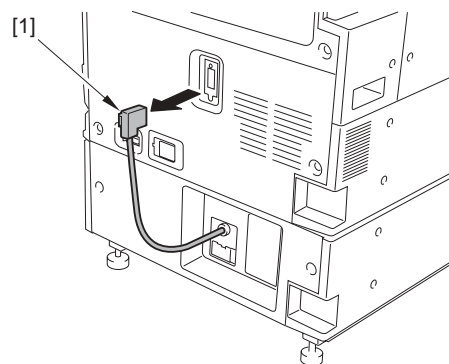
F-1-107

- 5) Install the connector cover [1].
- 6) Fit the heater cover [2] (for protecting AC cable) with the wall at the connector cover side [A] as well as the wall at the rear side [B] of the host machine to attach it over the cable [3].



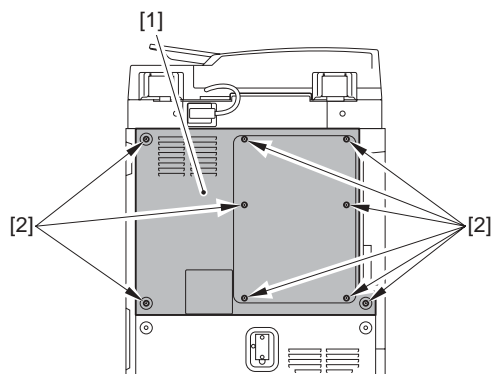
F-1-108

- 7) Put cassette 1 and 2 back.
- 8) Disconnect the lattice connector [1] of the cassette pedestal.



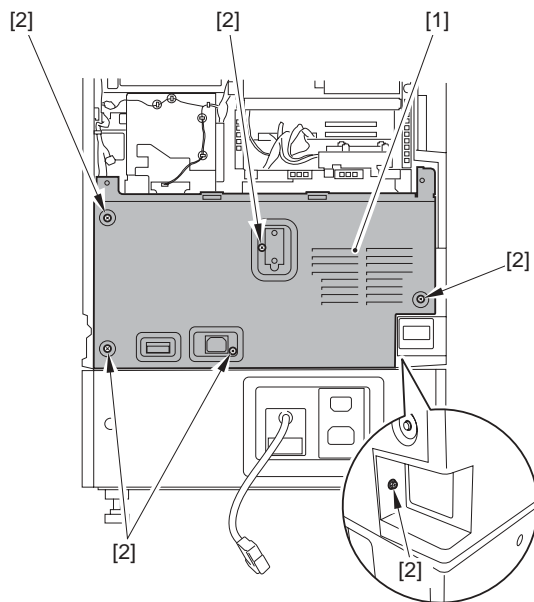
F-1-109

- 9) Remove the upper rear cover [1].
 - 9 screws [2]



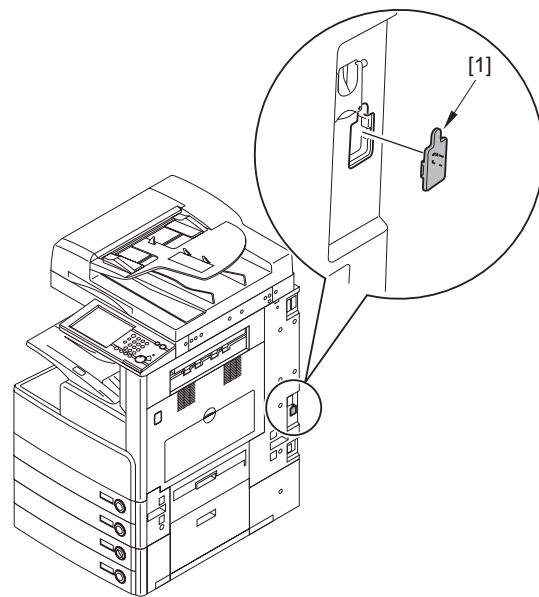
F-1-110

- 10) Remove the lower rear cover [1].
-6 screws [2]



F-1-111

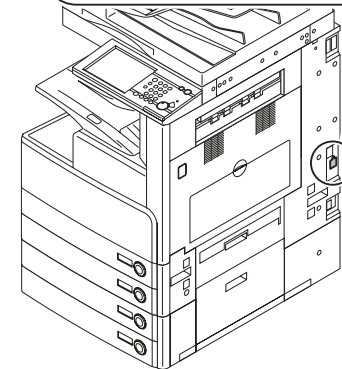
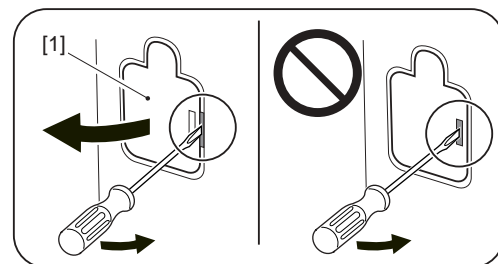
- 11) Remove the environment heater switch cover [1].



F-1-112



When turning detaching the environment heater switch cover [1], use a flatblade screwdrivers.



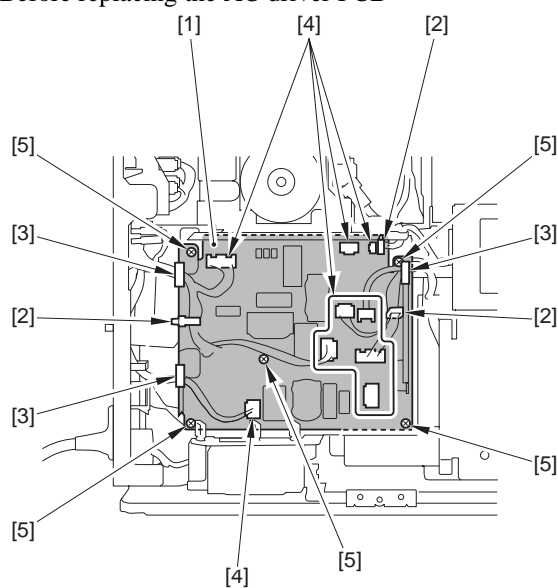
- 12) Remove the AC driver PCB from the host machine and replace it with the new AC driver PCB [1].



When replacing the AC driver PCB, be sure to make a note of the position of the connector and to connect the connector to the original position.

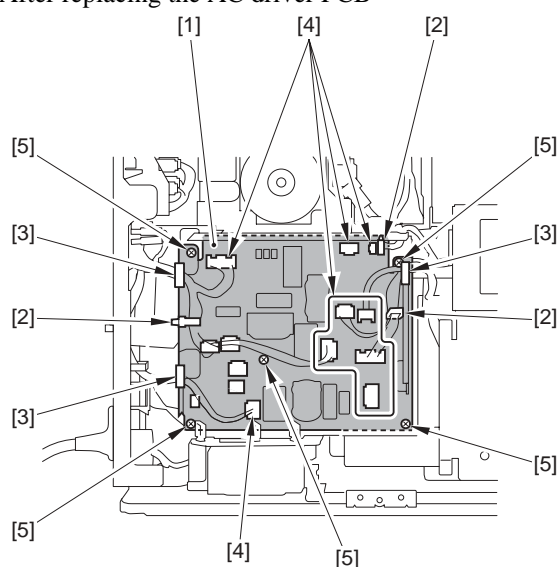
- 3 wire saddles [2]
- 3 edge saddles [3]
- 9 connectors [4]
- 5 screws (w/washer) [5]

Before replacing the AC driver PCB



F-1-113

After replacing the AC driver PCB

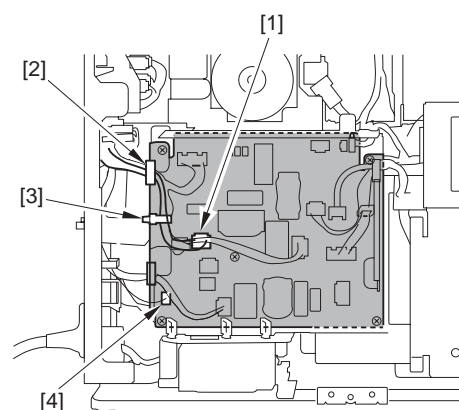


F-1-114

13) Connect the connector for the cassette heater that is situated near the AC driver PCB and is connected to the host machine to J482 [1] of the AC driver PCB.

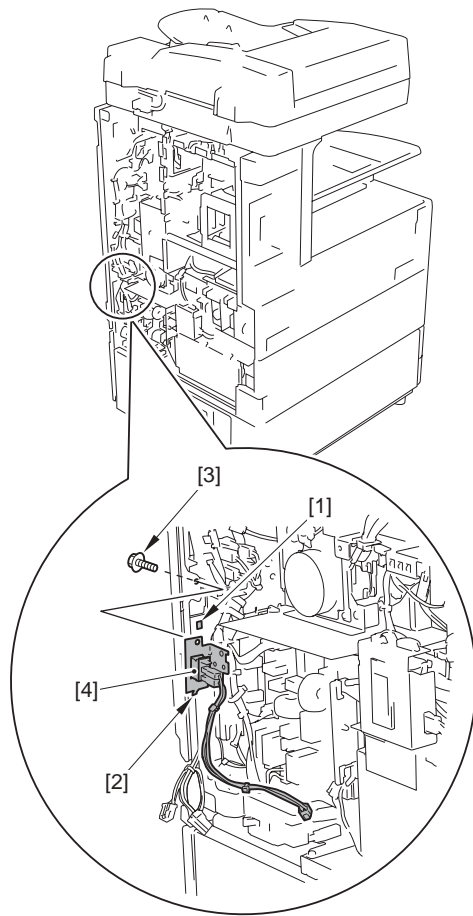
- 1 edge saddles [2]
- 1 wire saddles [3]

Connect the connector for the DC controller that is situated near the AC driver PCB and is connected to the host machine to J486 [4] of the AC driver PCB.



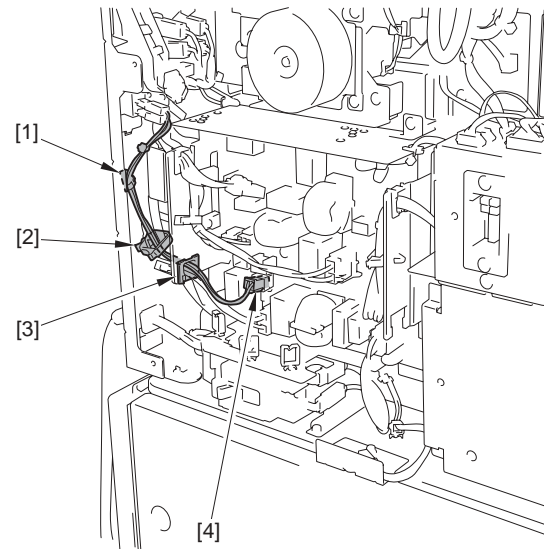
F-1-115

14) Insert the protrusion [2] of the environment switch unit into the host machine frame hole [1] and install the environment switch unit [4] with the screw (TP; M3X6) [3].



F-1-116

- 15) Connect the connector [1] of the environment switch unit to J483 of the AC driver PCB.
 - 1 reuse band [2]
 - 1 wire saddles [3]
 - 1 edge saddles [4]



F-1-117

- 16) Install the lower rear cover.
- 17) Install the upper rear cover.
- 18) Connect the lattice connector to the host machine.
- 19) Connect the host machine's power plug to the outlet, and then turn ON the main power switch.
- 20) Turn on the environment heater switch.
- 21) Install the environment heater switch cover.

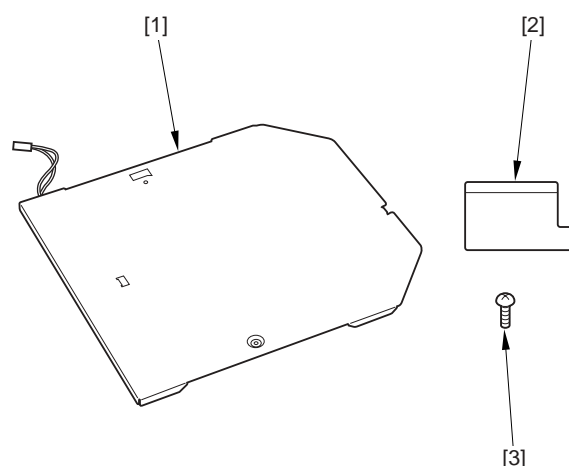
1.10 Installing the Cassette Heater for the Cassette Pedestal

1.10.1 Checking Parts to Install

0020-0333

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to have the following parts ready because each part of the Cassette heater unit is supplied as Service Parts.



F-1-118

T-1-5

No.	Name	Part No.	Qty.
[1]	Cassette heater	FM3-3772-000	1pc.
[2]	Heater cover	FC5-6899-000	1pc.
[3]	Screw (Binding; M4X6)	XB1-2400-607	1pc.

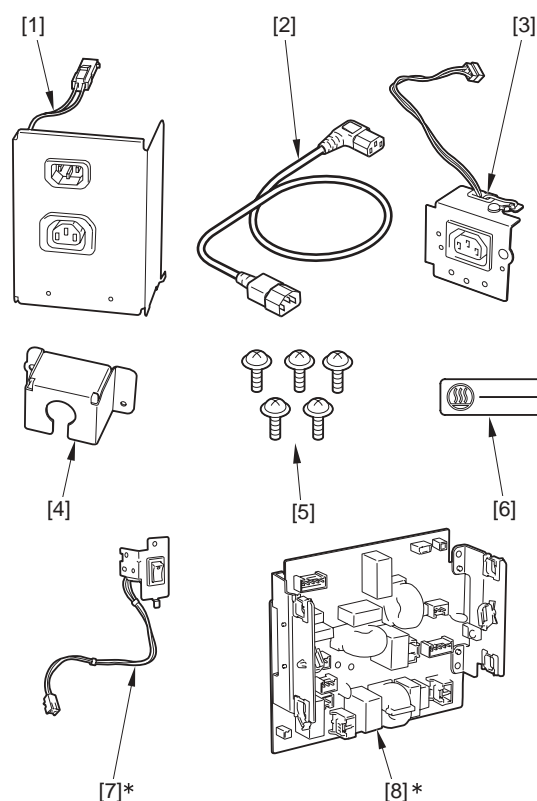
1.10.2 Checking Parts to Install

0019-4557

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to have the following parts ready because each

part of the Cassette Heater Attachment is supplied as Service Parts.



F-1-119

T-1-6

No.	Name	Part No.	Qty.
[1]	Power cord terminal assembly	FM3-0278-000	1pc.
[2]	Power cord	FK2-4628-000	1pc.
[3]	Environment heater outlet	FM3-4391-000	1pc.
[4]	Plug cover	FC7-7138-000	1pc.
[5]	Screw (TP; M3X6)	XB6-7300-607	5pc.
[6]	Outlet label	FU5-8803-000	1pc.
[7]*	Environment switch unit	FM3-7052-000	1pc.
[8]*	AC driver PCB	FM3-5085-000	1pc.

* Unnecessary in the case that the cassette heater is installed to the host machine.

1.10.3 Turning OFF the Power of the Host Machine

0019-4560

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.10.4 Installation Procedure (Cassette Heater Unit)

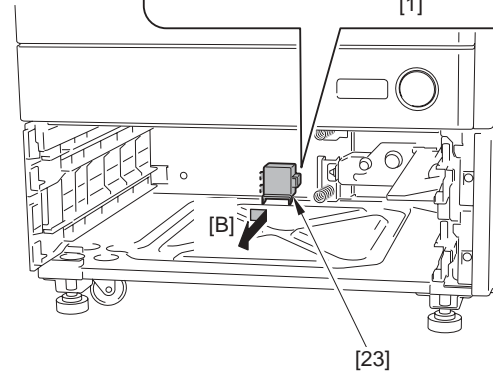
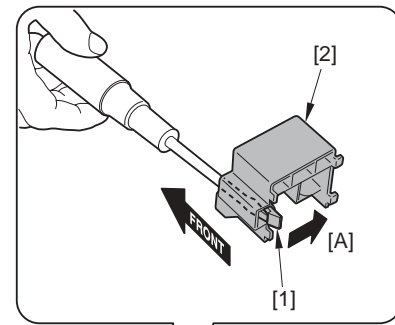
0020-0334

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



Cassette Heater Attachment needs to be installed to operate Cassette Heater Unit.

- 1) Pull out cassette 3 and 4.
- 2) Remove the claw [1] in the direction of the arrow [A] using a flat-blade screwdriver, and move the connector cover [2] in the direction of the arrow [B] to remove.

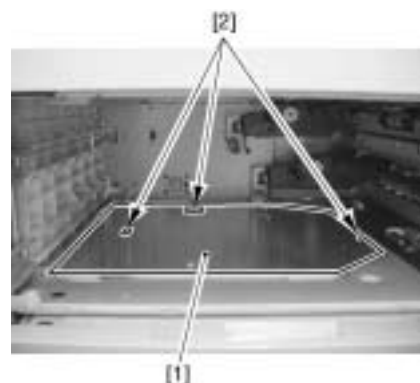


F-1-120

- 3) Insert the 3 hooks [2] of the cassette heater [1] into the slits of the bottom plate to fit with the holes position.



When installing the cassette heater, be sure to securely insert the 3 hooks [2] to be fitted with the plate.

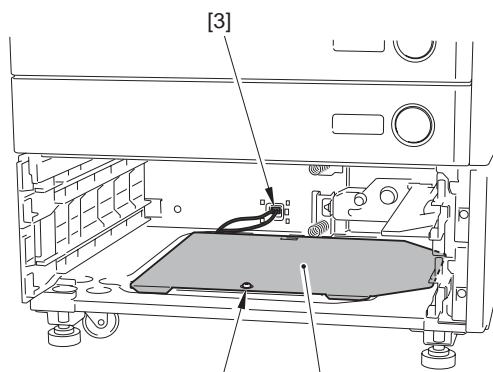


F-1-121

- 4) Install the cassette heater [1].

-1 screw (Binding; M4X6) [2]

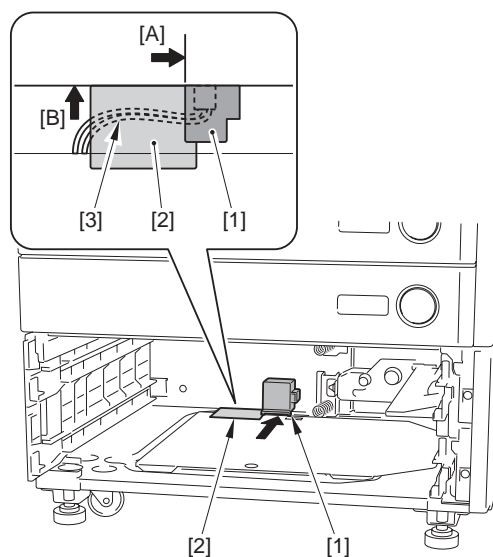
-1 connector [3]



F-1-122

5) Install the connector cover [1].

6) Fit the heater cover [2] (for protecting AC cable) with the wall at the connector cover side [A] as well as the wall at the rear side [B] of the host machine to attach it over the cable [3].



F-1-123

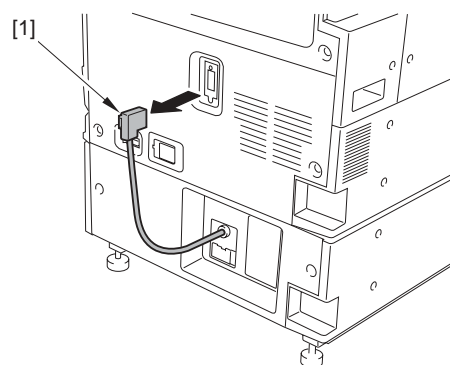
7) Put cassette 3 and 4 back.

1.10.5 Installation Procedure (Cassette Heater Attachment)

0019-4568

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

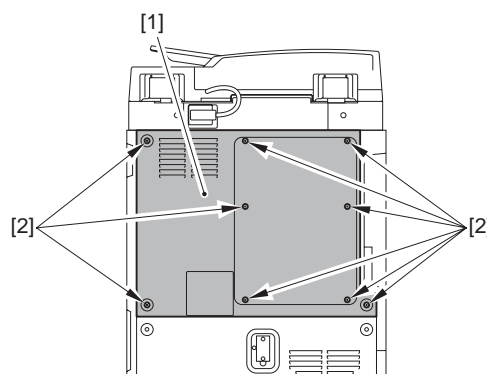
1) Disconnect the lattice connector [1] of the cassette pedestal.



F-1-124

2) Remove the upper rear cover [1].

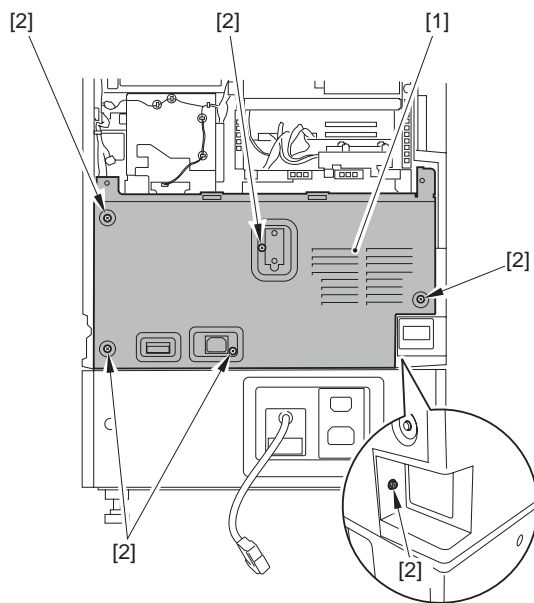
- 9 screws [2]



F-1-125

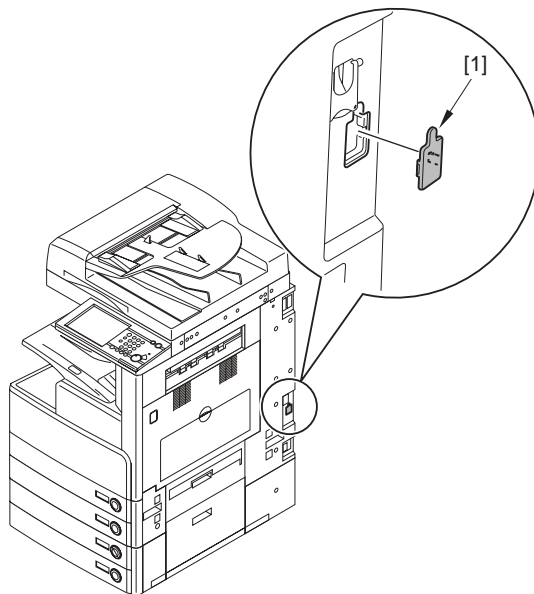
3) Remove the lower rear cover [1].

-6 screws [2]



F-1-126

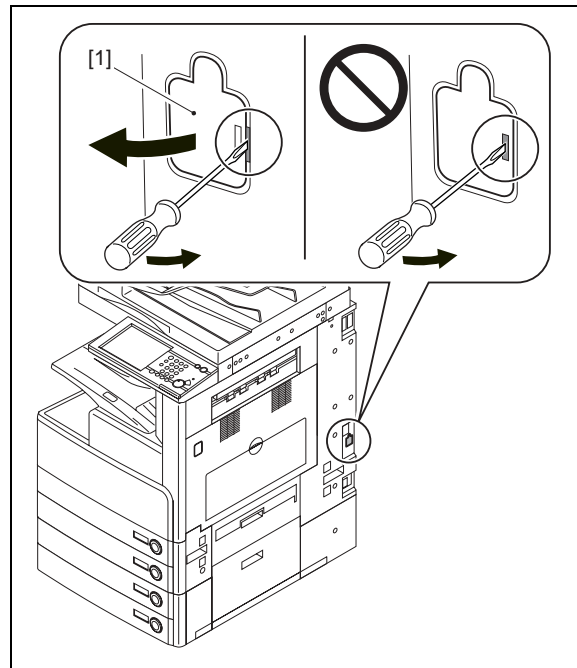
4) Remove the environment heater switch cover [1].



F-1-127



When turning detaching the environment heater switch cover [1], use a flatblade screwdrivers.



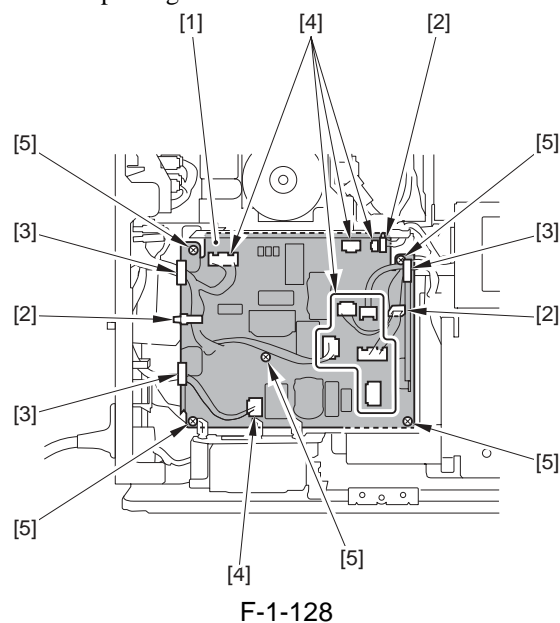
5) Remove the AC driver PCB from the host machine and replace it with the new AC driver PCB [1].



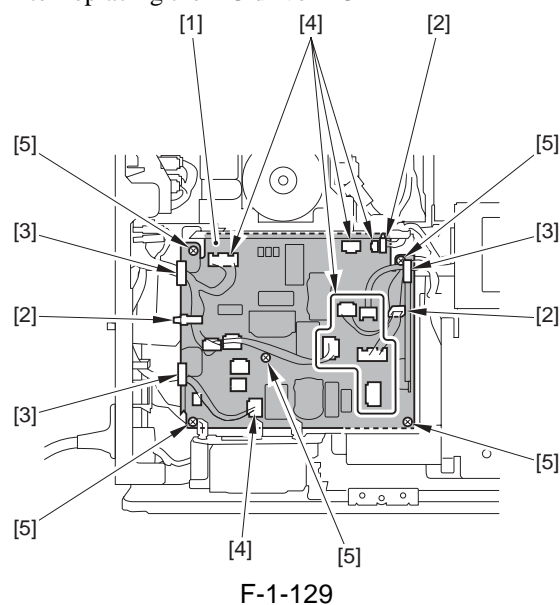
When replacing the AC driver PCB, be sure to make a note of the position of the connector and to connect the connector to the original position.

- 3 wire saddles [2]
- 3 edge saddles [3]
- 9 connectors [4]
- 5 screws (w/washer) [5]

Before replacing the AC driver PCB

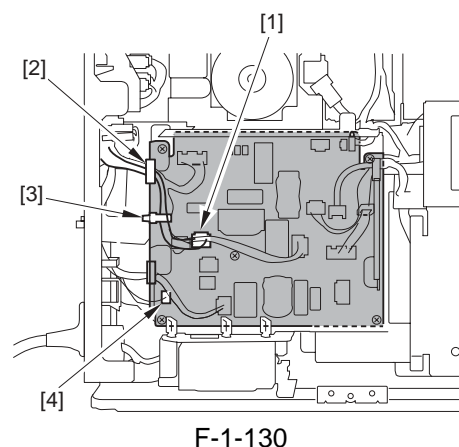


After replacing the AC driver PCB

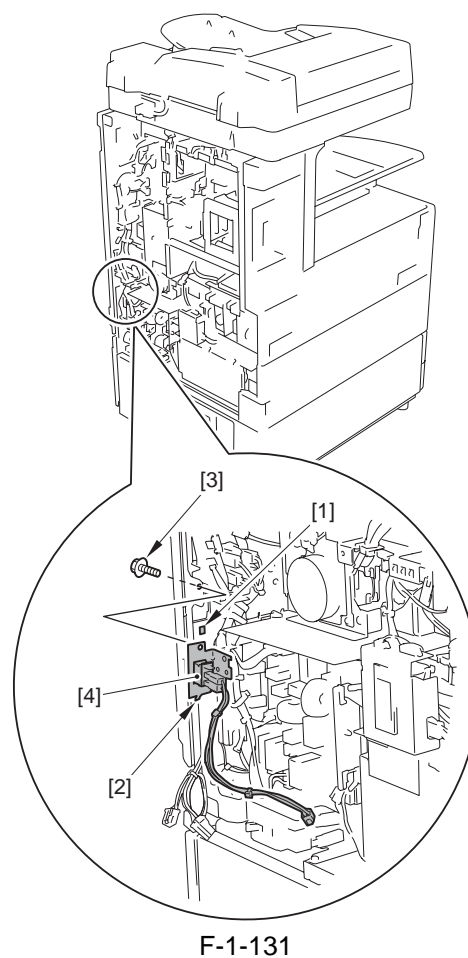


- 6) Connect the connector for the cassette heater that is situated near the AC driver PCB and is connected to the host machine to J482 [1] of the AC driver PCB.
- 1 edge saddles [2]
 - 1 wire saddles [3]

Connect the connector for the DC controller that is situated near the AC driver PCB and is connected to the host machine to J486 [4] of the AC driver PCB.



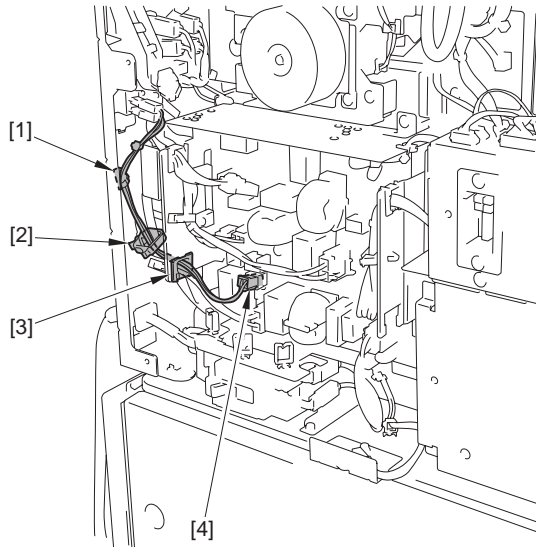
- 7) Insert the protrusion [2] of the environment switch unit into the host machine frame hole [1] and install the environment switch unit [4] with the screw (TP; M3X6) [3].



- 8) Connect the connector [1] of the environment

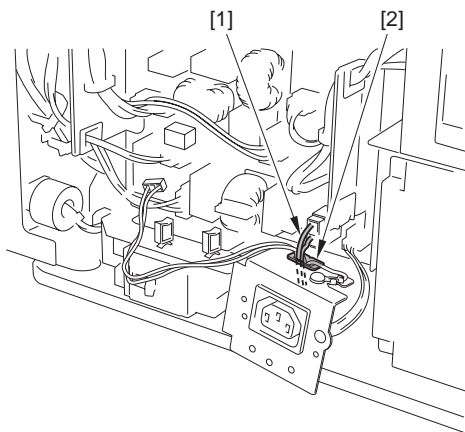
switch unit to J483 of the AC driver PCB.

- 1 reuse band [2]
- 1 wire saddles [3]
- 1 edge saddles [4]



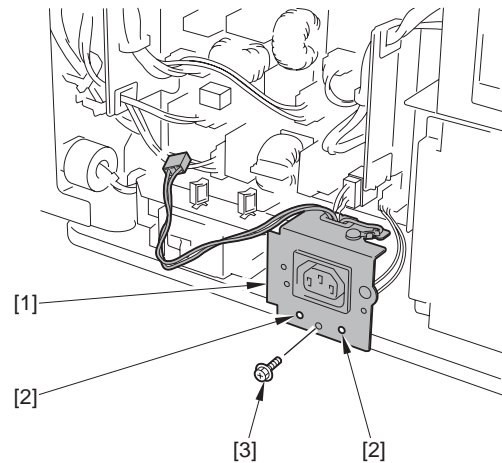
F-1-132

- 9) Secure the connector harness [1] that connects to the AC driver PCB with the edge saddle [2] of the environment heater outlet.



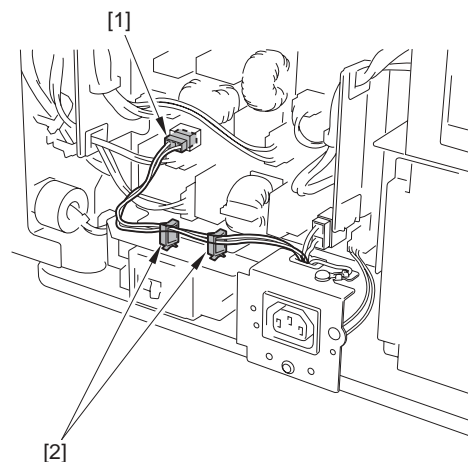
F-1-133

- 10) Fit the environment heater outlet [1] with the 2 bosses [2] to install.
- 1 screw (TP; M3X6) [3]



F-1-134

- 11) Connect the connector [1] to J481 of the AC driver PCB and secure it with the 2 wire saddles [2].

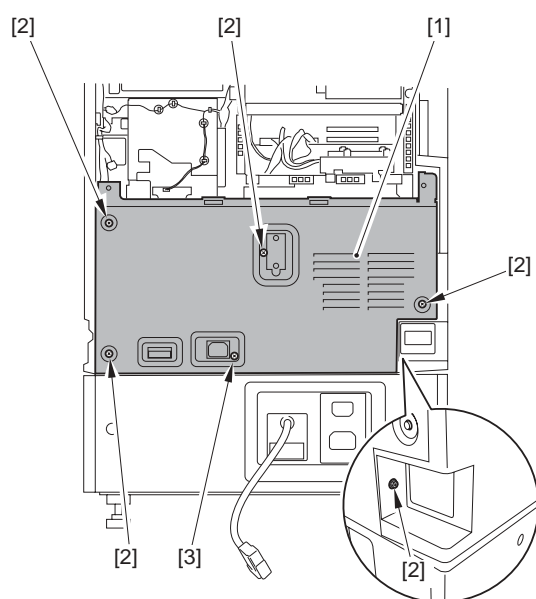


F-1-135

- 12) Install the lower rear cover [1].
- 5 screws [2]

MEMO:

The screw [3] will be tightened along with the plug cover in step 21), thus is not tightened in this step.

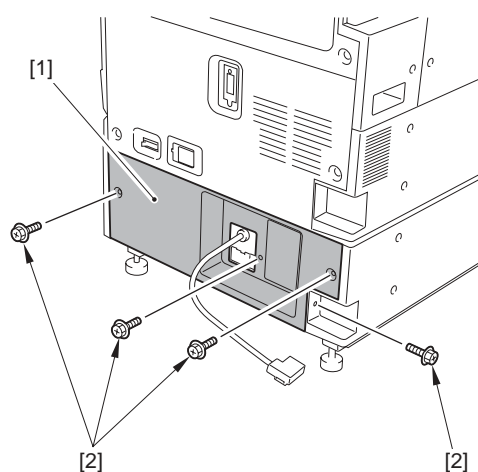


F-1-136

13) Install the upper rear cover.

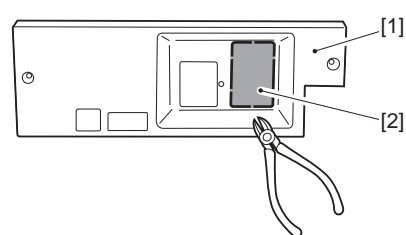
14) Remove the cassette pedestal rear cover [1].

-4 screws [2]



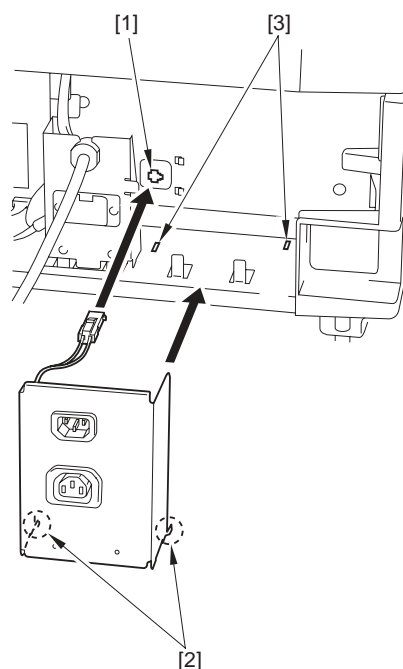
F-1-137

15) Cut off the face covers [2] of the cassette pedestal rear cover [1] with nippers.

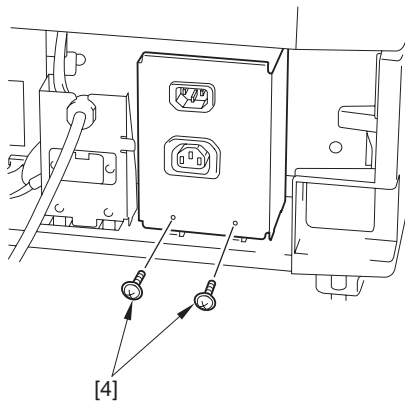


F-1-138

16) Connect the connector [1] of the Power cord terminal assembly and fit the hook [2] into the hole [3] at the bottom surface of the cassette pedestal with 2 screws (TP; M3X6) [4] to install.

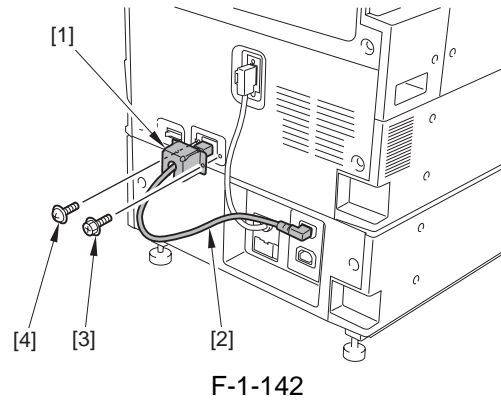


F-1-139



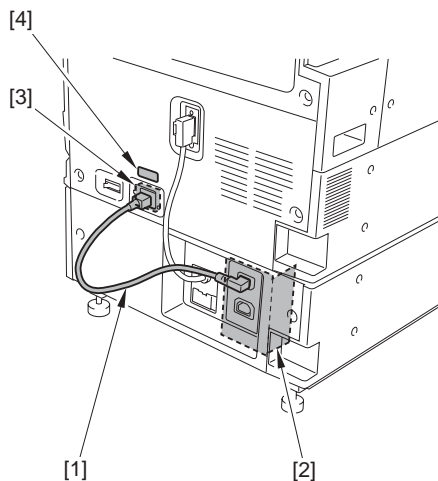
F-1-140

- 17) Install the cassette pedestal rear cover.
- 18) Connect the lattice connector to the host machine.
- 19) Connect the power cord [1] to the Power cord terminal assembly [2] and also to the environment heater outlet [3] of the host machine.
- 20) Attach the outlet label [4].



F-1-142

- 22) Connect the host machine's power plug to the outlet, and then turn ON the main power switch.
- 23) Turn on the environment heater switch.
- 24) Install the environment heater switch cover.



F-1-141

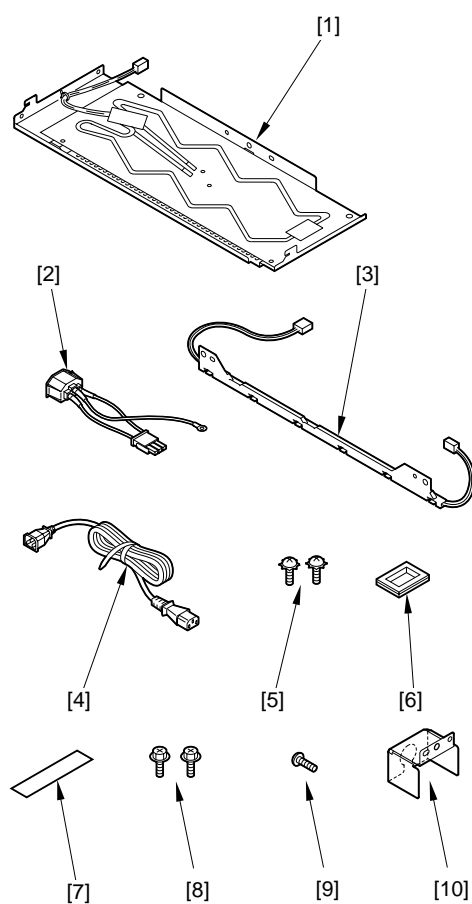
- 21) Install the plug cover [1] over the Power cord [2].
 - 1 screw [3] (use the screw removed in step 3)
 - 1 screw (TP; M3X6) [4]

1.11 Installing the Deck Heater

1.11.1 Checking the Parts to Install 0019-9911

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Every components of the cassette heater unit are supplied as service parts, so have the following parts on hand.



F-1-143

T-1-7

No.	Part name	Part number	Qty.
[1]	Heater unit	FG6-9651-000	1pc.
[2]	Power supply code base	FG6-1117-000	1pc.

No.	Part name	Part number	Qty.
[3]	Relay harness unit	FG6-2957-000	1pc.
[4]	AC cable	FK2-1777-000	1pc.
[5]	Screw (w/ washer)	XA9-0266-000	2pcs.
[6]	Cable protection bush	WT2-5098-000	1pc.
[7]	Power supply label	FS6-8725-000	1pc.
[8]	Screw (RS tight; M4X8)	XA9-0628-000	2pcs.
[9]	Screw (Binding; M4X4)	XB1-2400-409	1pc.
[10]	Plug cover	FC6-5776-000	1pc.

1.11.2 Turning OFF the Power of the Host Machine

0019-9913

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.11.3 Installation Procedure

0019-9917

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

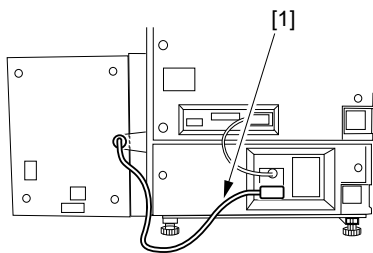


In order to operate the cassette heater unit, it is required to install the cassette pedestal heater kit. Refer to the corresponding page for its installation procedure.



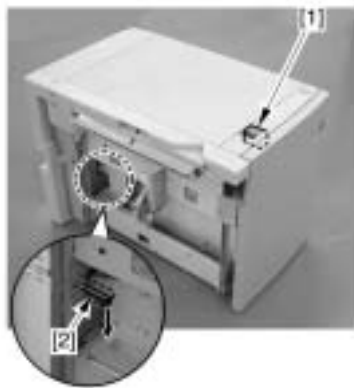
Be sure to attach after installation of the host machine and the paper deck.

- 1) Disconnect the cable [1] of the paper deck from the host machine.



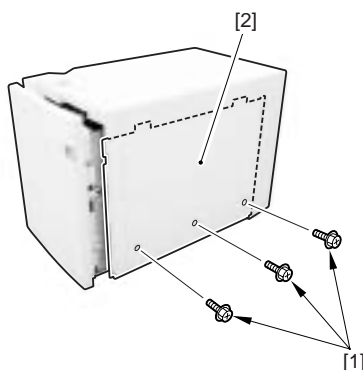
F-1-144

- 2) Hold down the paper deck release grip [1] to release the paper deck from the host machine. Hold down the latch plate [2] with a finger to open the compartment.



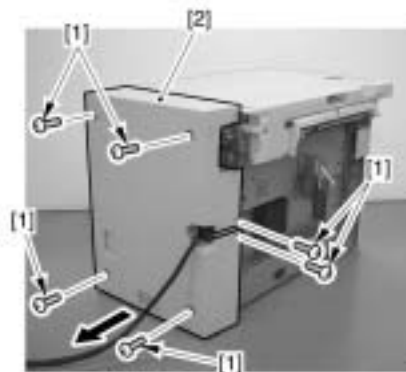
F-1-145

- 3) Remove the right cover [2] of the paper deck.
- Screw [1], 3 pcs.



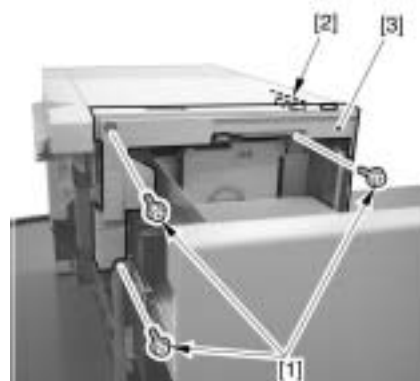
F-1-146

- 4) Remove the rear cover [2] of the paper deck.
- Screw [1], 6 pcs.



F-1-147

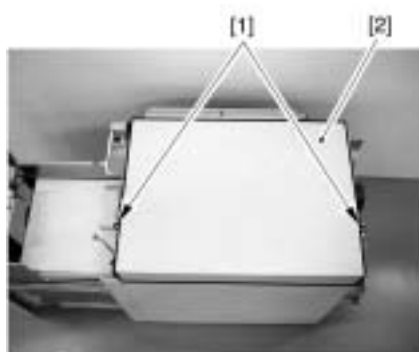
- 5) Remove the front cover (upper) [3].
- Screw [1], 3 pcs.
- Connector [2], 1 pc.



F-1-148

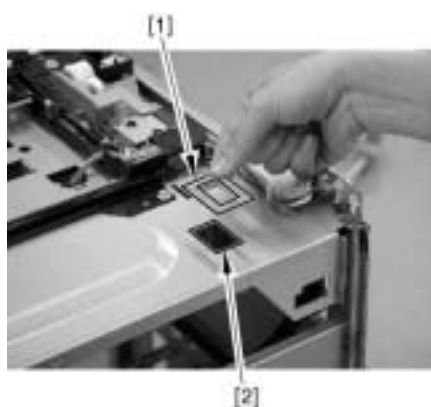
- 6) Remove the upper cover [2].

- Screw [1], 2 pcs.



F-1-149

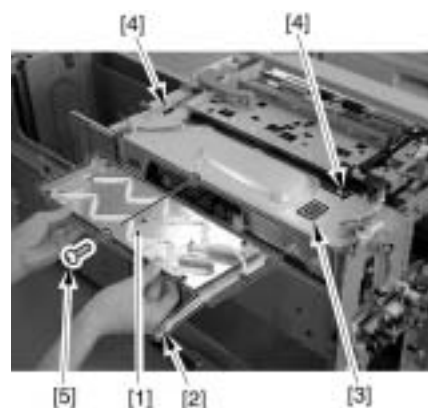
- 7) Attach the cable protective bush [1] included with the package to the hole [2] on the top board of the paper deck.



F-1-150

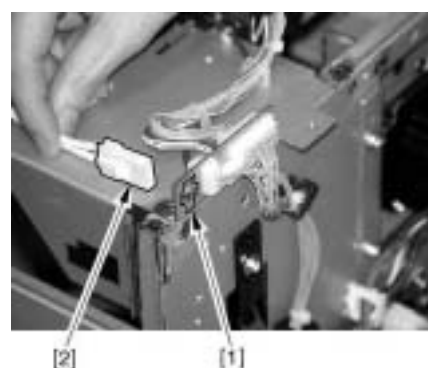
- 8) Place the heater unit [1] under the top board of the paper deck, and pull out the connector [2] from the hole [3] on the top board.

- 9) Hook the 2 hooks on the heater unit to the slit [4] on the top board of the paper deck, and fix it on the paper deck with the screw with washer [5].



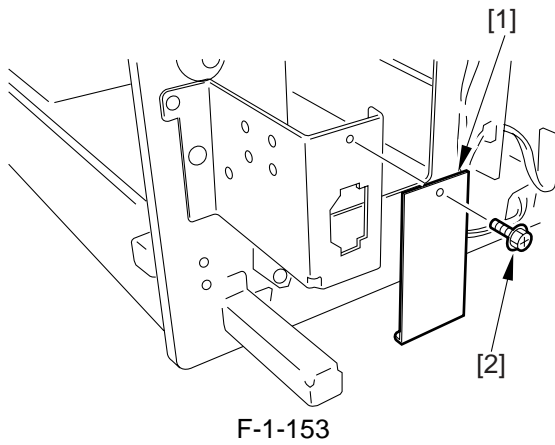
F-1-151

- 10) Set the connector [2] of the heater to the panel mount [1].

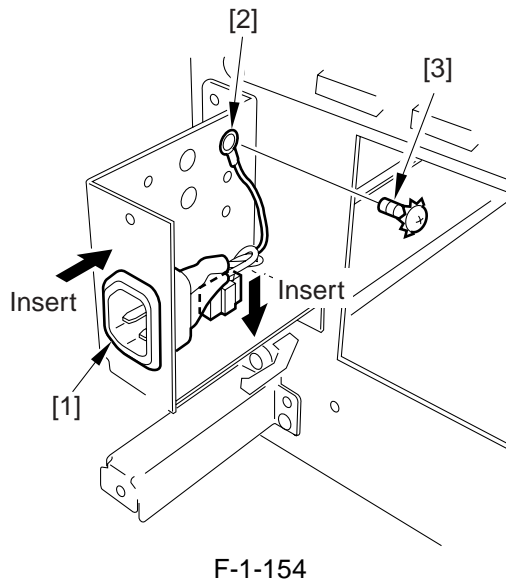


F-1-152

- 11) Remove the screw [2] to remove the blanking plate [1] attached on the power cord mount of the paper deck.

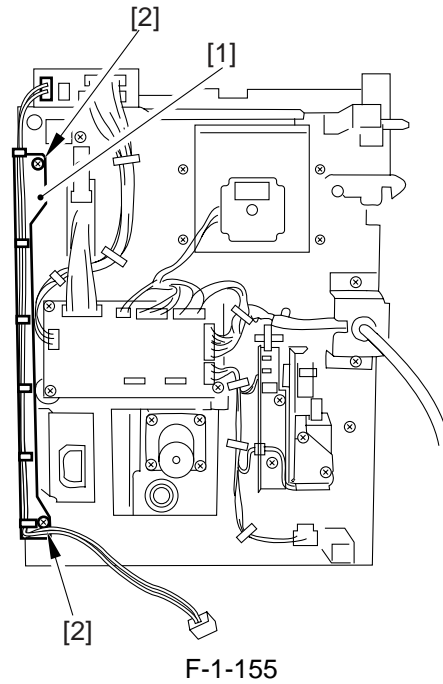


- 12) Connect the AC inlet connector [1].
13) Attach the grounding wire [2].
- Screw with washer [3], 1 pc.

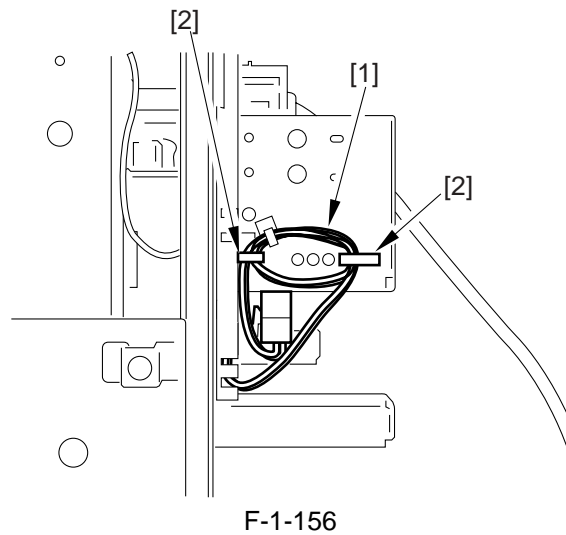


- 14) Attach the harness [1] to the rear end plate of the paper deck.

- Screw (M4X8) [2], 2 pc.



- 15) Wrap the harness [1] around the cable guide [2] on the power cord mount. (One and a half turn)



- 16) Connect each of the connectors at both ends of the harness unit to the heater connector and the AC power supply connector respectively.
17) Attach the external cover of the paper deck in the following orders.
[1] Upper cover (Make sure that the cable is not

stuck in) (M4X8; 2 screws)

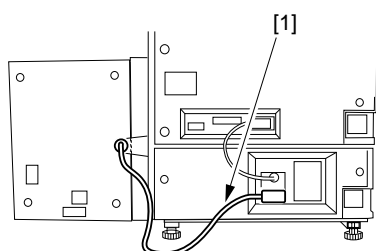
[2] Upper front cover (Connect the connector)
(M4X8; 3 screws)

[3] Rear cover (M3X8; 2 screws, M4X8; 4 screws)

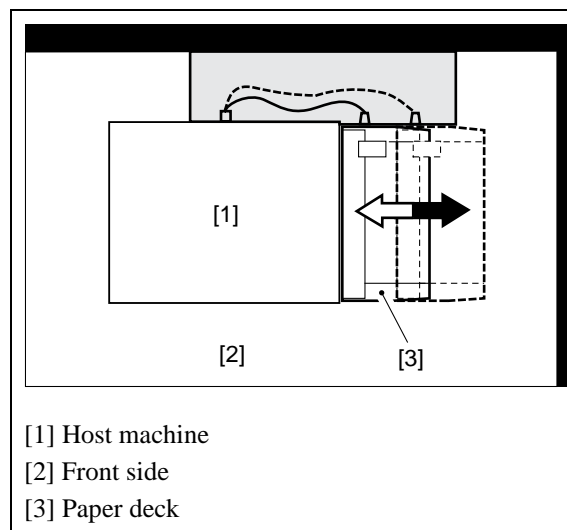
[4] Right cover (M4X8; 3 screws)

18) Slide the paper deck in the left direction and set it to the host machine.

19) Connect the paper deck connector [1] to the rear surface of the host machine.



F-1-157



[1] Host machine

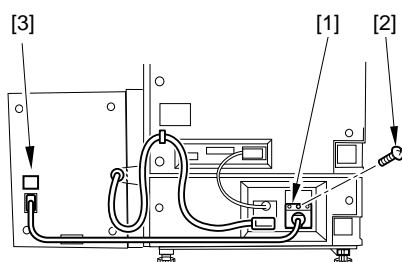
[2] Front side

[3] Paper deck

20) Connect one of the AC cable (for the host machine outlet) to the power cord mount of the heater, and the other to the cassette pedestal of the host machine.

21) Put the plug cover [1] to the AC cable connector, and fix it with the screw [2].

22) Affix the power label [3] to the rear cover of the paper deck as shown in the figure below.



F-1-158



Be sure to tell the users not to place any things within the shaded area for not disturbing opening/closing the paper deck when connecting the power plug of the heater.

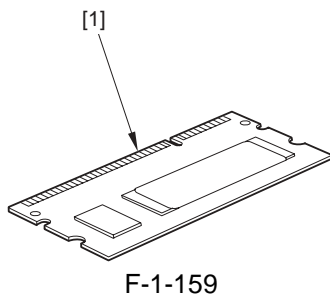
1.12 Installing the Memory

1.12.1 Checking the Contents

0018-9866

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

<Additional Memory Type A (512MB)>



[1] Expansion memory 1pc.

1.12.2 Turning OFF the Power of the Host Machine

0019-4425

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

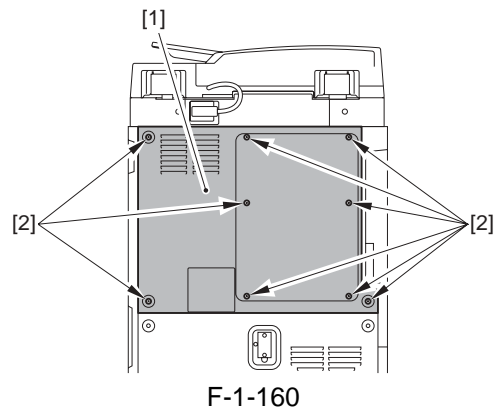
1.12.3 Installation Procedure

0018-9892

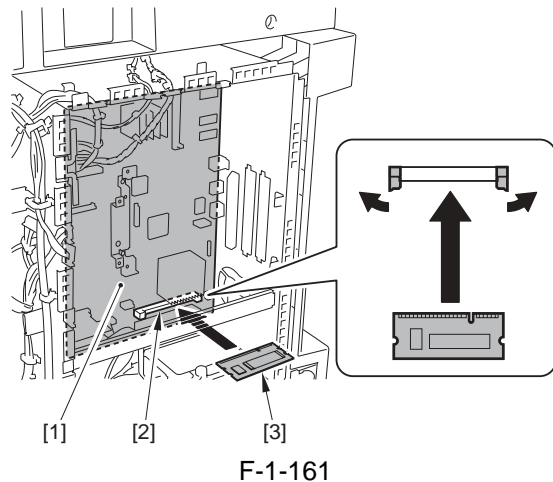
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

1. Installation Procedure

- 1) Remove the upper rear cover [1].
- 9 screws [2]



- 2) Release the claw of the DIMM stopper [2] on the main controller PCB [1] in the direction of the arrow, and then install the expansion memory [3].



- 3) Install the upper rear cover.
- 4) Insert the power plug into the power outlet.
- 5) Turn on the main power switch.

2. Checking Memory Expansion

Service mode > COPIER > DISPLAY > ACC-STTS >
IA-RAM

After expanding the expansion memory, check to see that the memory capacity has increased.

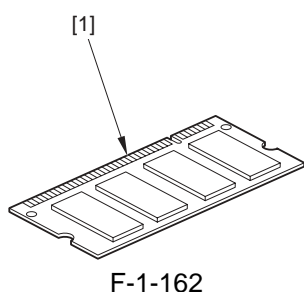
1.13 Installing the Memory (System upgrade mem- ory)

1.13.1 Checking the Con- tents

0019-5141

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

<System Upgrade RAM-A1>



[1] Expansion RAM

1pc.

1.13.2 Turning OFF the Power of the Host Machine

0019-5142

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

Be sure to refer to "Points to Note When Turning OFF
the Main Power" in installation of the host machine.

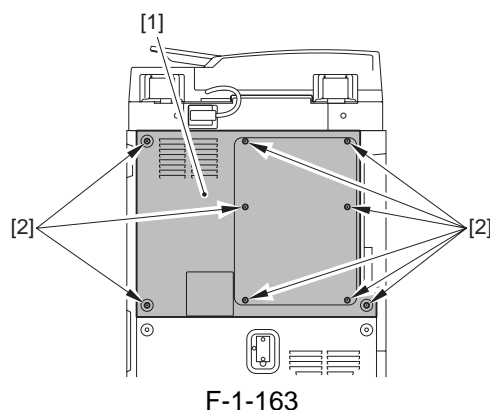
1.13.3 Installation Proce- dure

0019-5143

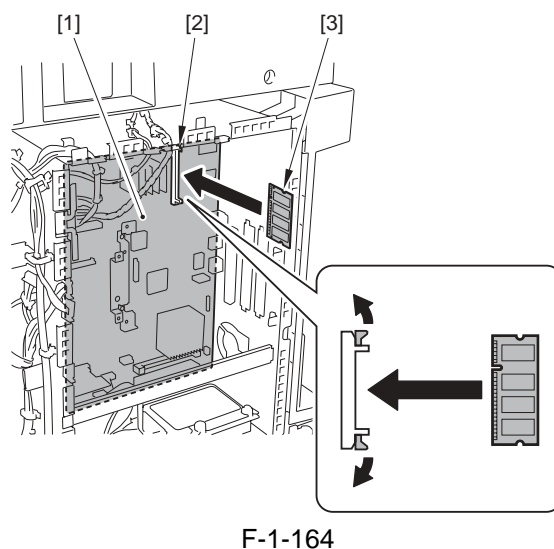
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

1. Installation Procedure

- 1) Remove the upper rear cover [1].
- 9 screws [2]



- 2) Release the claw of the DIMM stopper [2] on the
main controller PCB [1] in the direction of the ar-
row, and then install the expansion RAM [3].



- 3) Install the upper rear cover.
- 4) Insert the power plug into the power outlet.
- 5) Turn on the main power switch.

2. Checking Expansion RAM

Service mode > COPIER > DISPLAY > ACC-STTS
> RAM

After expanding the Expansion RAM, check to see
that the memory capacity has increased.

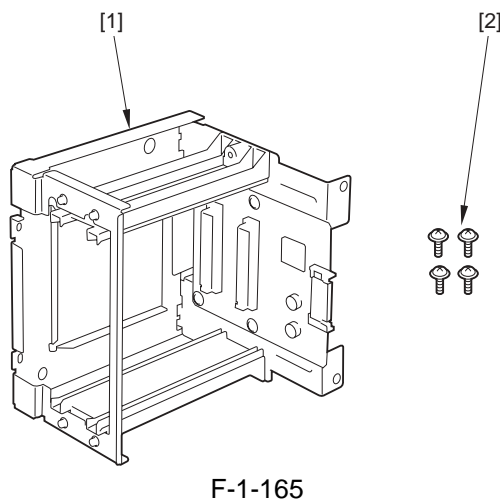
1.14 Installing the Expansion Bus Kit

1.14.1 Checking the contents

0018-8554

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Expansion Bus-E1>



F-1-165

- | | | |
|-----|-------------------|-----|
| [1] | Expansion bus kit | 1pc |
| [2] | Screw (TP; M3X6) | 4pc |

1.14.2 Turning Off the Power of the Host Machine

0018-8556

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

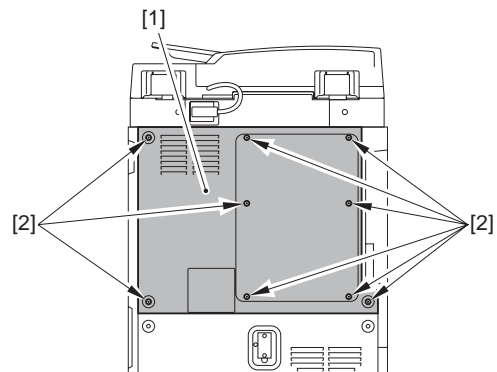
1.14.3 Installation Procedure

0018-8555

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

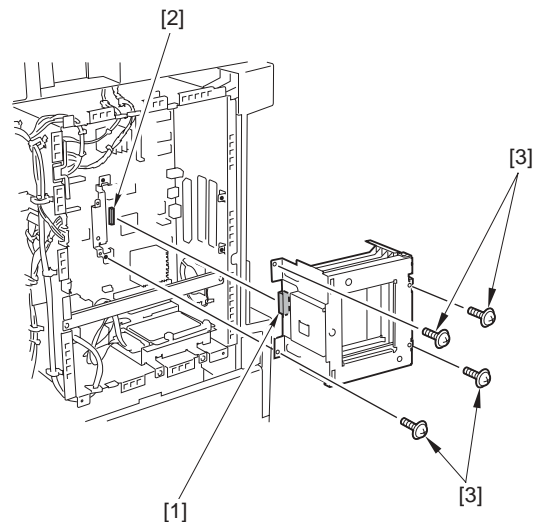
1. Installation procedure

- 1) Remove the upper rear cover [1].
- 9 screws [2]



F-1-166

- 2) Insert the mouth [1] of Expansion bus kit into the connector [2] of the main controller PCB and then install it with 4 screws (TP; M3X6) [3].



F-1-167

- 3) Install the upper rear cover.
- 4) Insert the power plug into the outlet.

5) Turn ON the main power switch.

1.15 Installing the Voice Guidance Kit

1.15.1 Notice At Installation

0019-9919

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



See 'Combination Table of Accessories' when installing this equipment.

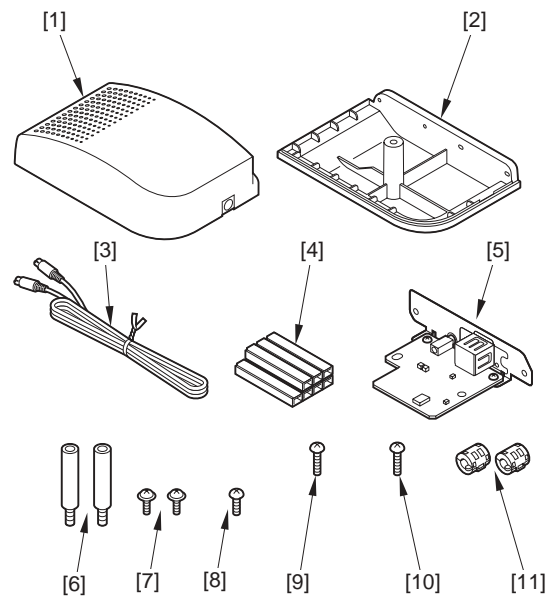
- When installing this equipment with the Expansion Bus, be sure to install this equipment first.
- If the Expansion Bus has been installed, be sure to remove it and then install this equipment.

1.15.2 Checking the Contents

0019-9920

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Voice Guidance Kit-D1>



F-1-168

[1]	Speaker unit (upper)	1pc
[2]	Speaker unit (lower)	1pc
[3]	Cable (1300 mm)	1pc
[4]	Cable guide (4 or 5 pc used for this equipment)	7pc
[5]	Voice board unit	1pc
[6]	Card spacer	2pc
[7]	Screw (TP; M3X6)	1pc
[8]	Screw (binding; M4X6)	1pc
[9]	Screw (binding; M3X16)	1pc
[10]	Screw (binding; M4X16)	1pc
[11]	Ferrite core	2pc

<CDs/guides>

- Voice guidance guide
- Voice guidance guide CD
- FCC/IC Sheet

1.15.3 Turning Off the Power of the Host Machine

0019-9921

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

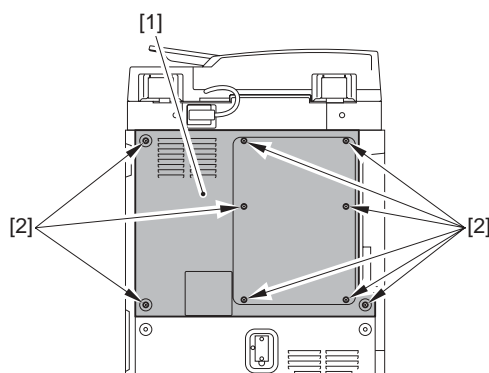
Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.15.4 Installation Procedure

0019-9922

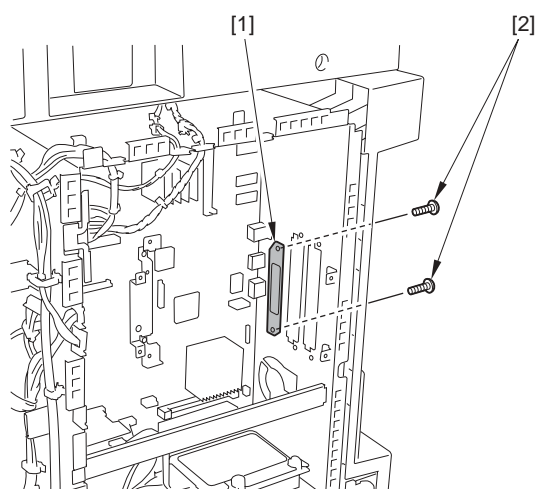
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Remove the upper rear cover [1].
- 9 screws [2]



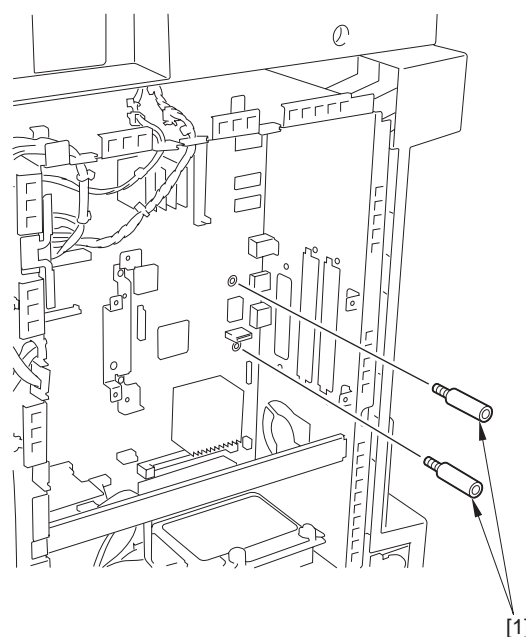
F-1-169

- 2) Remove the face plate [1]. (Do not use the removed face plate.)
- 2 screws [2]



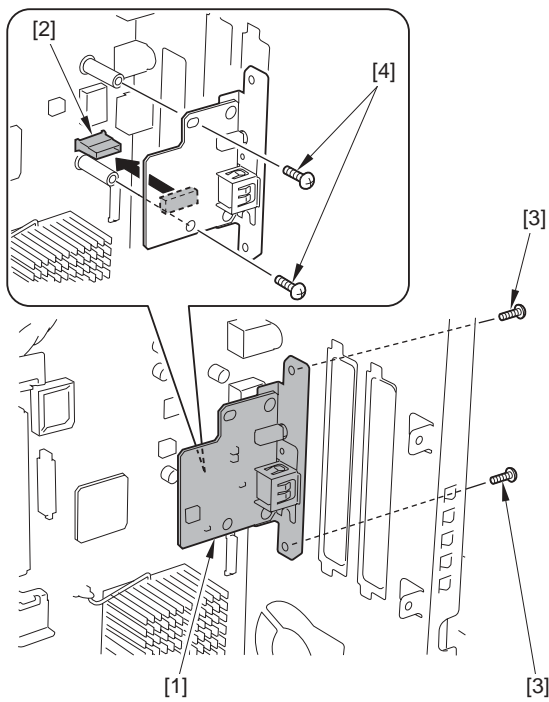
F-1-170

- 3) Install the 2 card spacers [1] on the main controller PCB.



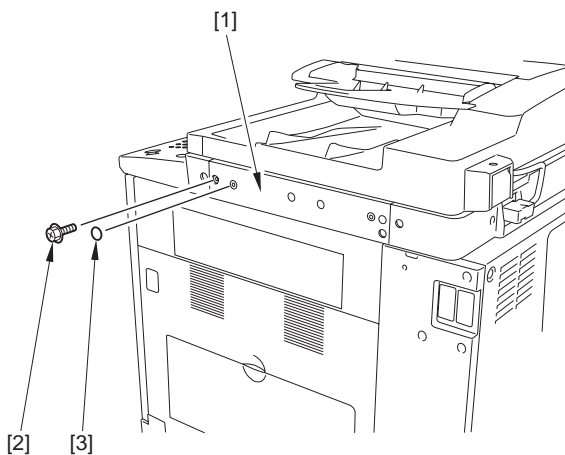
F-1-171

- 4) Insert the voice board unit [1] into the connector [2] on the main controller PCB, and then install it.
- 2 screws [3] (that have been removed in step 2)
- 2 screws (TP; M3X6) [4]



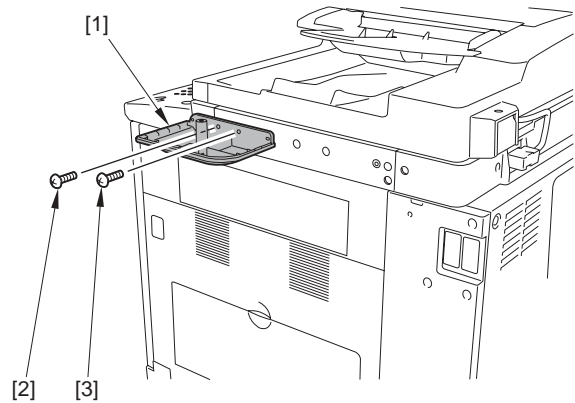
F-1-172

- 5) Remove the screw [2] and the face seal [3] at the reader right cover [1]. (Do not use the removed screw and the face seal.)



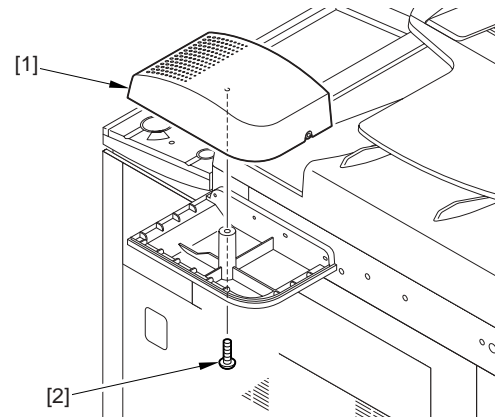
F-1-173

- 6) Install the speaker unit (lower) [1].
 - 1 screw (binding; M3X16) [2]
 - 1 screw (binding; M4X16) [3]



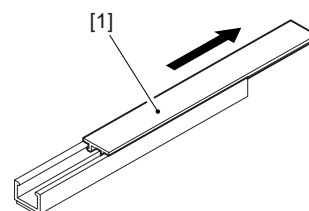
F-1-174

- 7) Install the speaker unit (upper) [1] to the speaker unit (lower).
 - 1 screw (binding; M4X6) [2]



F-1-175

- 8) Remove the cover [1] of the cable guide.

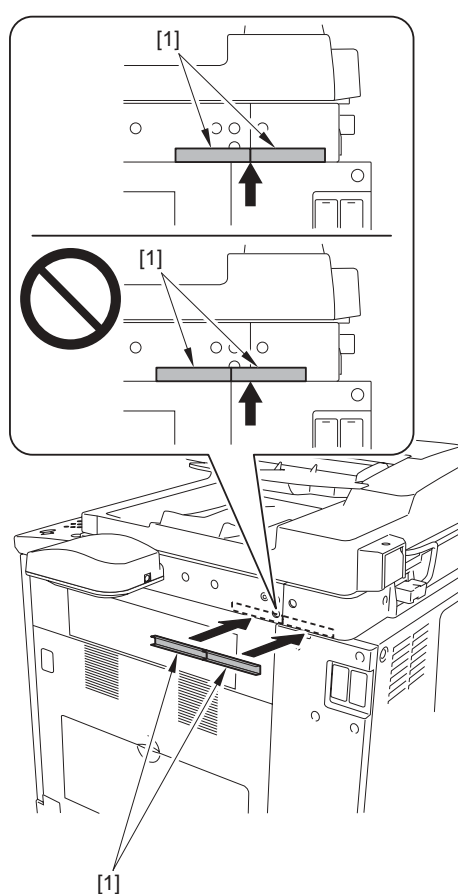


F-1-176

- 9) Remove the release paper of the cable guide [1] and install the cable guide.

A: In the case that the card reader has not been installed on the host machine

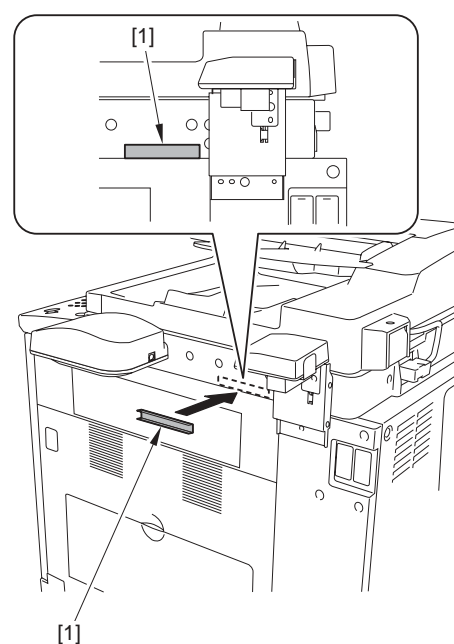
<Right side - 2 locations>



F-1-177

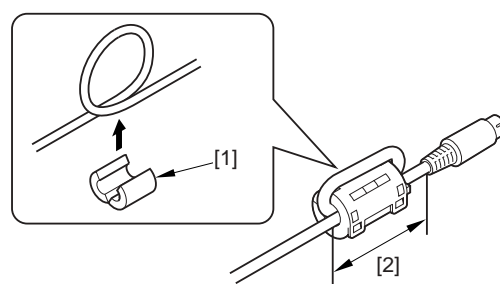
B: In the case that the card reader has been installed on the host machine

<Right side - 1 location>



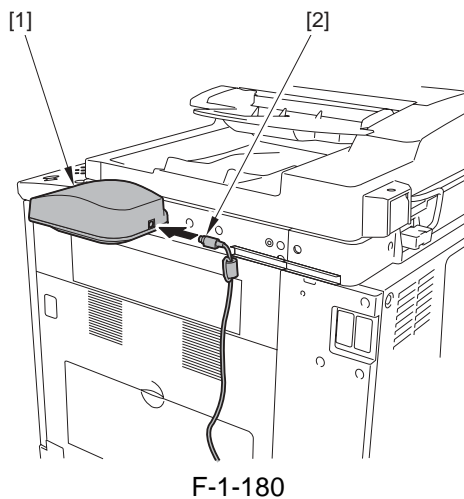
F-1-178

10) Install the ferrite core [1] to the cable. The installation position [2] should be at 50 mm from the root of cable. Install it also to the other side in the same manner.



F-1-179

11) Insert the cable [2] into the speaker unit [1].



F-1-180

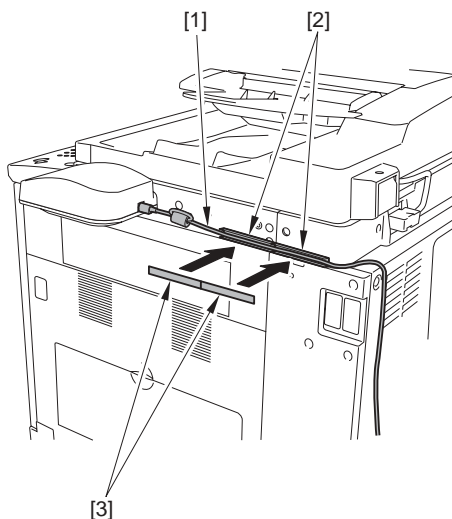
- 12) Route the cable [1] through the cable guide [2] and install the cable guide cover [3].



There should be no excess slack on the cable.

A: In the case that the card reader has not been installed on the host machine

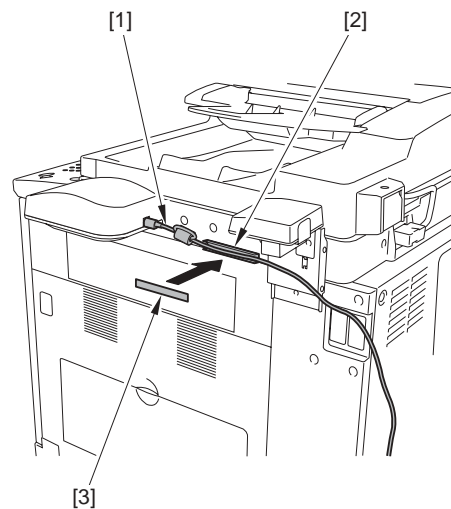
<Right side>



F-1-181

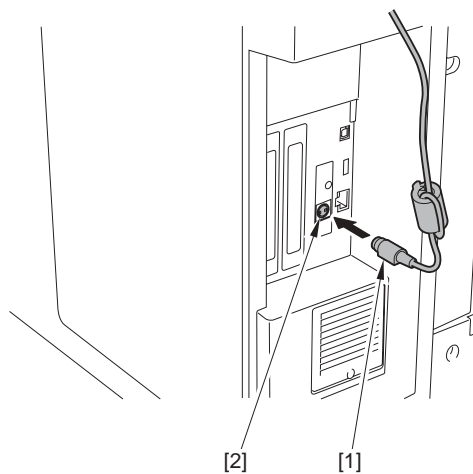
B: In the case that the card reader has been installed on the host machine

<Right side>



F-1-182

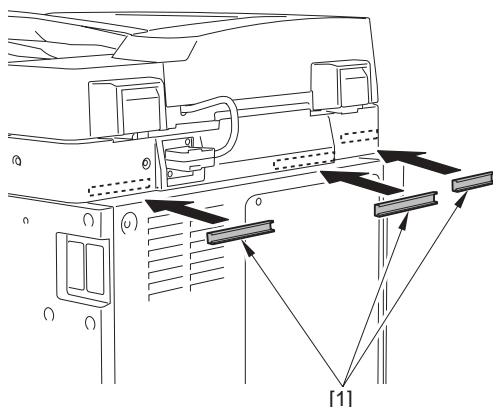
- 13) Insert the cable [1] into the terminal [2] of the voice board.



F-1-183

- 14) Remove the release paper of the cable guide [1] and install the cable guide.

<Rear side - 3 location>

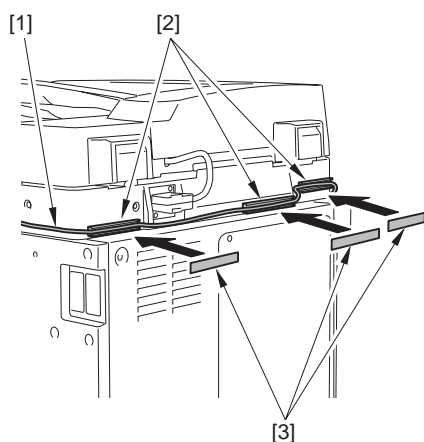


F-1-184

- 15) Route the cable [1] through the cable guide [2] and install the cable guide cover [3].



There should no excess slack on the cable.



F-1-185

- 16) Insert the power plug into the power outlet.
 17) Turn on the main power switch.
 18) Check to see that the voice board is recognized.
 123 key (Counter Check key) > [Device Configuration]
 When 'voice guidance' is displayed, the functions are enabled.

1.15.5 Checking the Settings

0019-9924

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

After turning on the power supply of the host machine, check the following settings to use the voice guidance kit.

- 1) [Additional Function] > [Voice Navigation Settings] > [Voice Guide from Speaker]
- 2) Check to see that it is ON.
- 3) If 'voice guidance kit' does not function normally, check the following points.

The following item in service mode;

- COPIER > Display > VERSION

TTS-JA/TTS-EN has been correctly installed.

1.15.6 Operation Check

0019-9925

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<To use>

- 1) Press the reset key for 3 sec or more.
- 2) Voice guidance kit becomes available to use if the copy count display on the screen is framed in red.

<To stop>

- 1) Press the reset key for 3 sec or more.

1.16 Installing the Voice Operation Kit

1.16.1 Notice At Installation

0019-9928

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

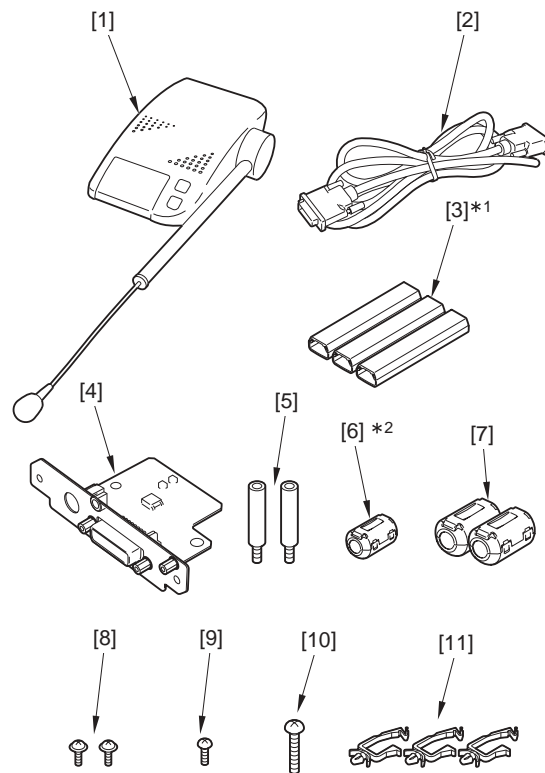


See 'Combination Table of Accessories' when installing this equipment.

When the memory pre-installed on the host machine is less than 1GB, install the additional memory Type A (512MB).

- When installing this equipment with the Expansion Bus, be sure to install this equipment first.

- If the Expansion Bus has been installed, be sure to remove it and then install this equipment.



F-1-186

1.16.2 Checking the Contents

0019-9929

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Voice Operation Kit-B1>

[1]	Speaker unit	1pc
[2]	Cable	1pc
[3]*1	Cable guide	3pc
[4]	Voice operation board unit	1pc
[5]	Card spacer	2pc
[6]*2	Ferrite core	1pc
[7]	Ferrite core	2pc
[8]	Screw (TP; M3X6)	2pc
[9]	Screw (binding; M4X16)	1pc
[10]	Screw (binding; M3X20)	1pc
[11]	Wire saddle	3pc

*1 Only 1pc used for this equipment.

*2 Use it for the foot SW cable which is the belonging of the user.

<CDs/guides>

- Voice guidance guide
- Voice guidance guide CD
- Voice operation kit user manual
- Voice operation kit user manual CD
- Voice operation quick reference guide

1.16.3 Turning Off the Power of the Host Machine

0019-9930

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

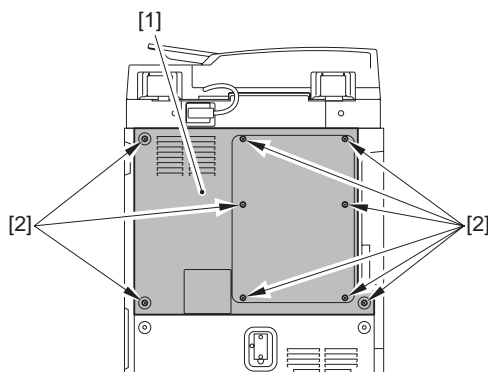
Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.16.4 Installation Procedure

0019-9932

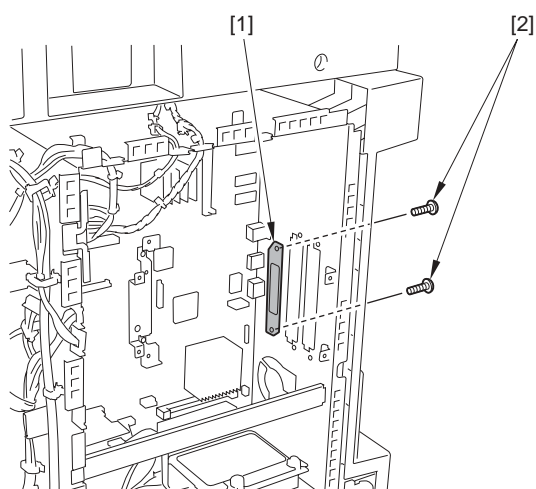
iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

- 1) Remove the upper rear cover [1].
- 9 screws [2]



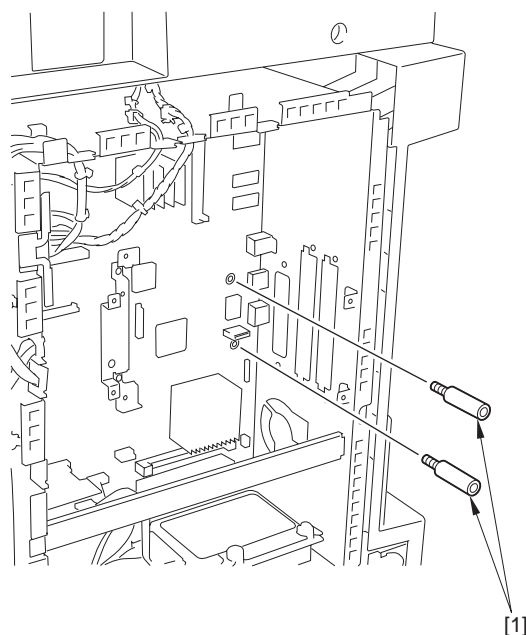
F-1-187

- 2) Remove the face plate [1]. (Do not use the removed face plate.)
- 2 screws [2]



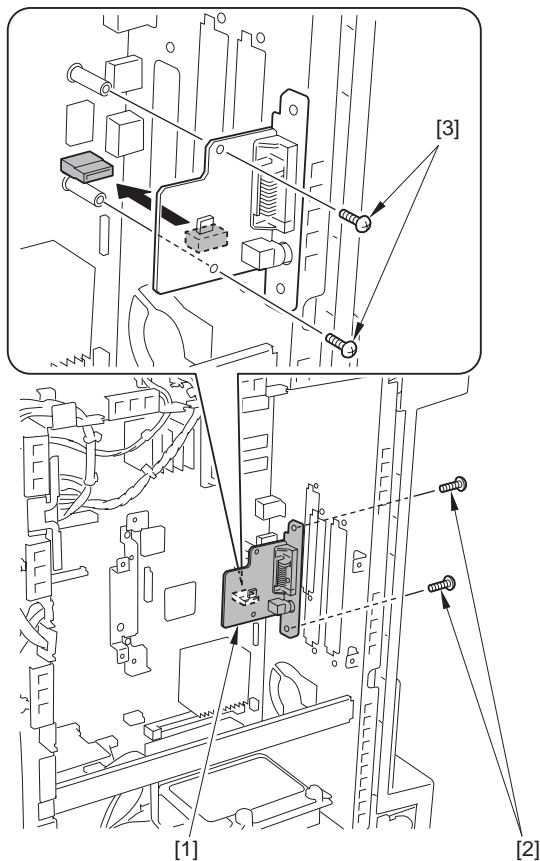
F-1-188

- 3) Install the 2 card spacers [1] on the main controller PCB.



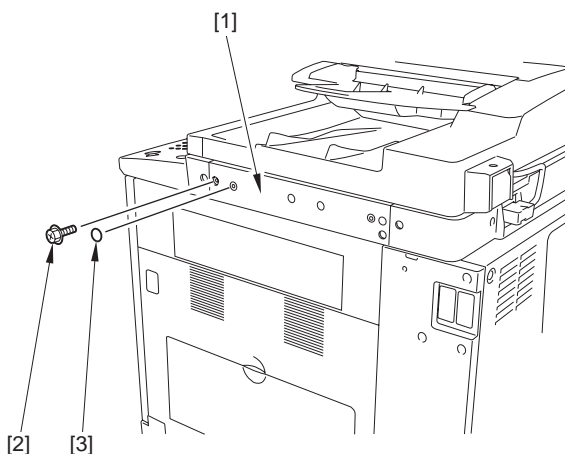
F-1-189

- 4) Install the voice operation board unit [1] on the main controller PCB.
- 2 screws [2] (that have been removed in step 2)
- 2 screws (TP; M3X6) [3]



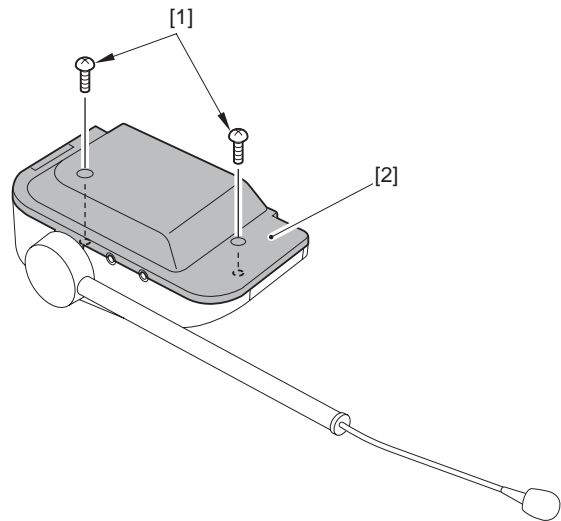
F-1-190

- 5) Remove the screw [2] and the face seal [3] at the reader right cover [1]. (Do not use the removed screw and the face seal.)



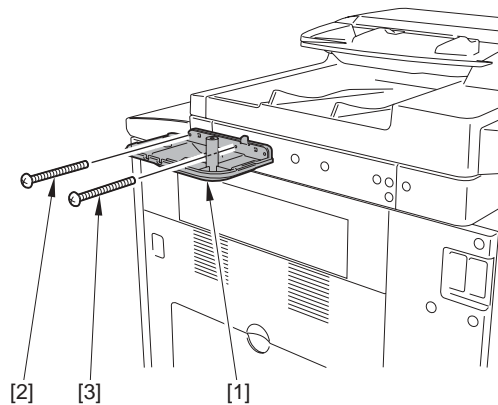
F-1-191

- 6) Remove the 2 screws [1] from the speaker unit and remove the speaker unit (lower) [2].



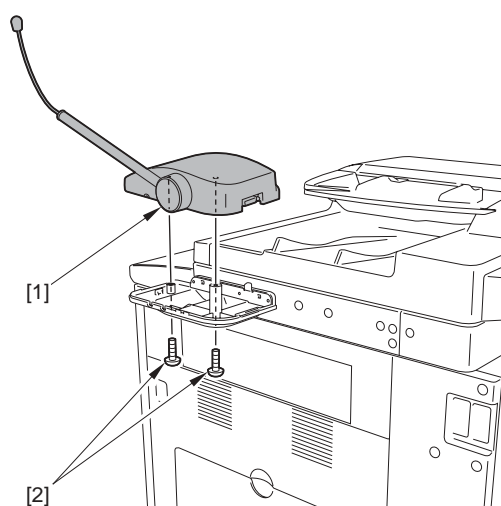
F-1-192

- 7) Install the speaker unit (lower) [1].
 - 1 screw (binding; M3X20) [2]
 - 1 screw (binding; M4X16) [3]



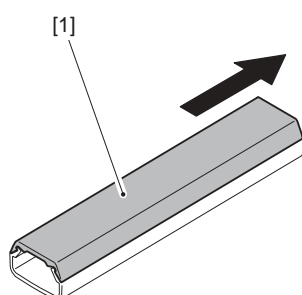
F-1-193

- 8) Install the speaker unit (upper) [1].
 - 2 screws [2] (Use the screws removed in step 7)



F-1-194

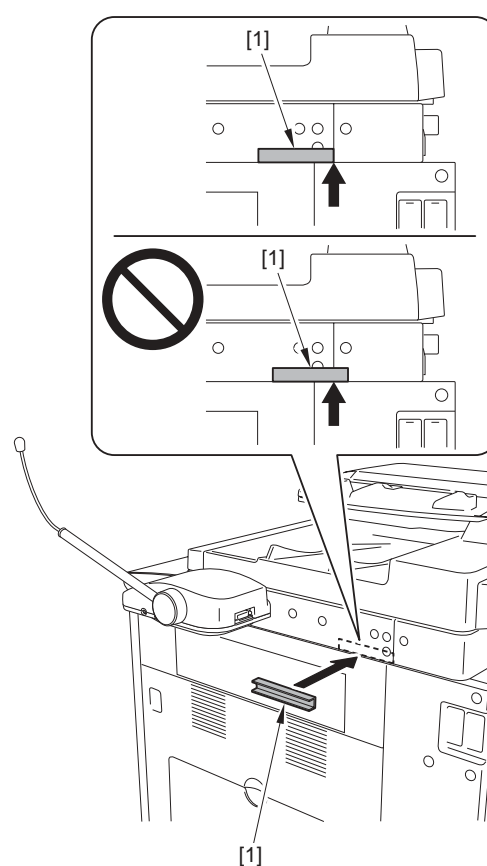
9) Remove the cover [1] of the cable guide.



F-1-195

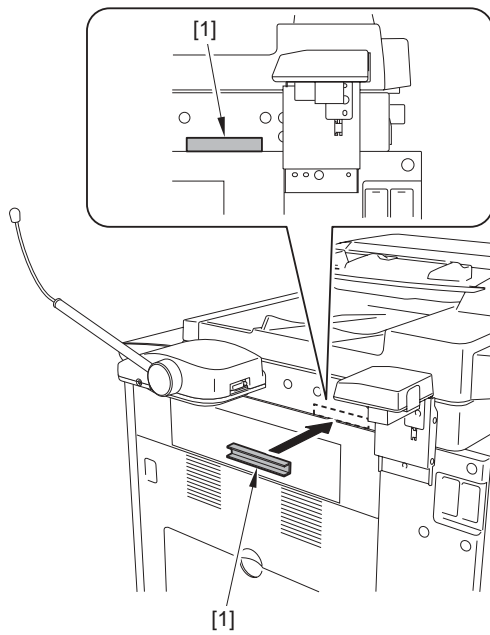
10) Remove the release paper of the cable guide [1] and fix it to the right side as shown in the figure.

A: In the case that the card reader has not been installed on the host machine



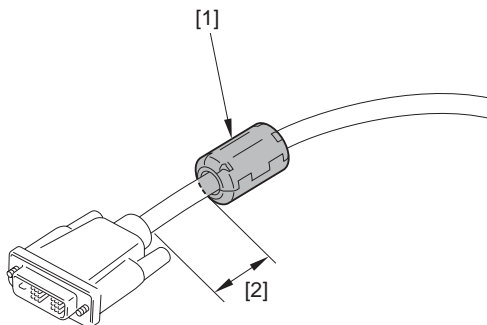
F-1-196

B: In the case that the card reader has been installed on the host machine



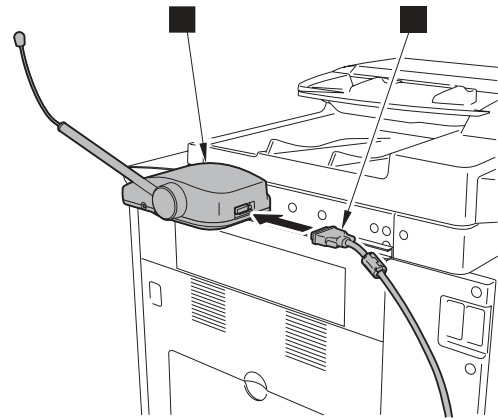
F-1-197

- 11) Install the ferrite core [1] to the cable. The installation position [2] should be at 50 mm from the root of cable. Install it also to the other side in the same manner.



F-1-198

- 12) Insert the cable [2] into the speaker unit [1].



F-1-199

- 13) Route the cable [1] through the cable guide [2] and install the cable guide cover [3].

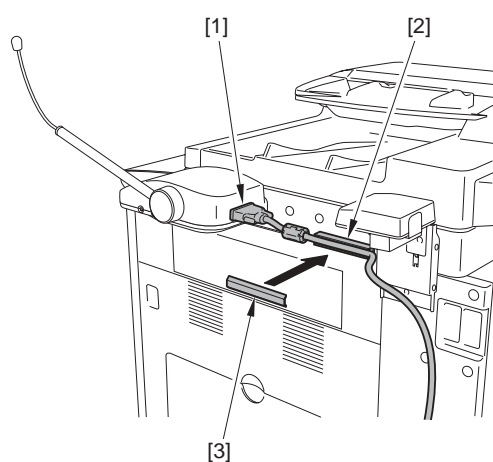


There should be no excess slack on the cable.

A: In the case that the card reader has not been installed on the host machine

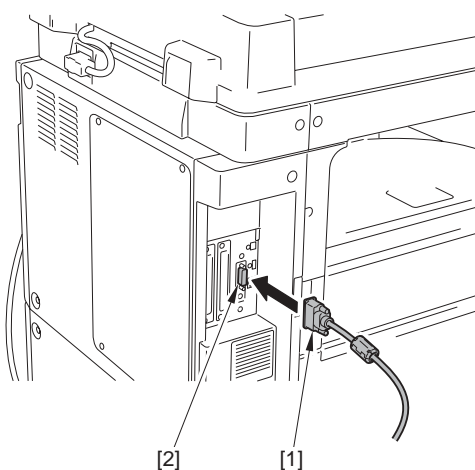
F-1-200

B: In the case that the card reader has been installed on the host machine



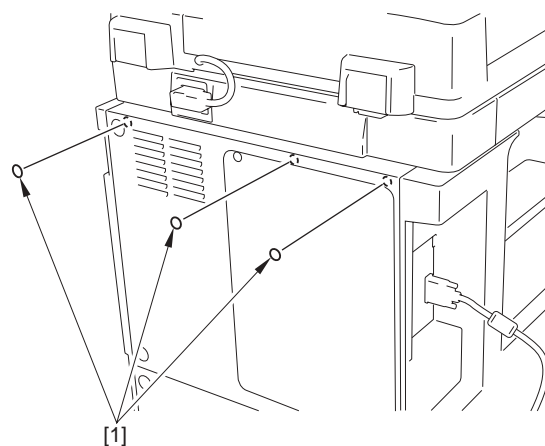
F-1-201

- 14) Insert the other side of cable [1] into the terminal [2] of the voice operation board.



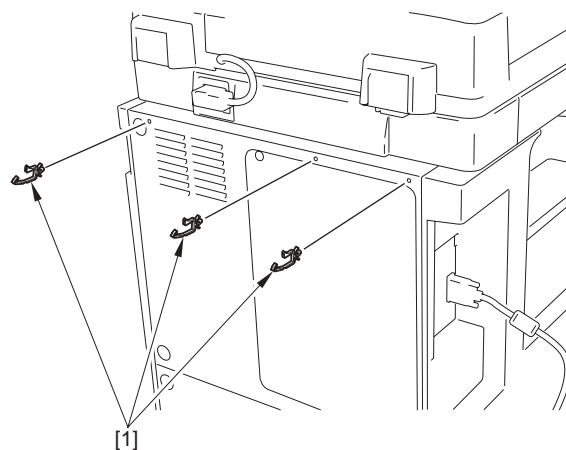
F-1-202

- 15) Remove the 3 face seals [1] at the rear cover. (Do not use the removed face seals.)



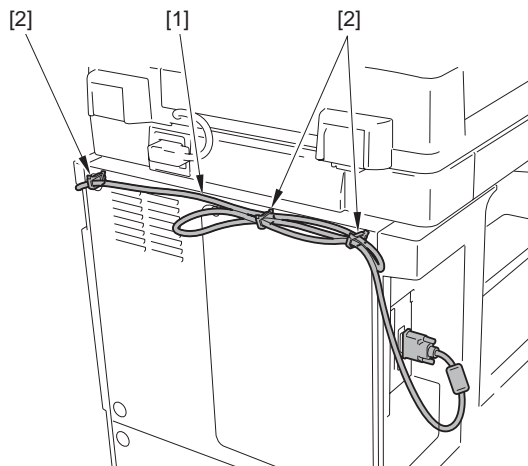
F-1-203

- 16) Install the wire saddles [1] to the 3 locations that the face seals have been removed.



F-1-204

- 17) Fix the cable [1] with the 3 wire saddles [2] while preventing excess slack on the cable as shown in the figure.

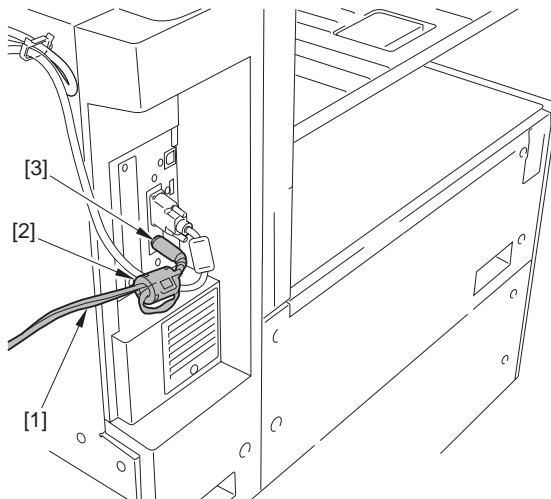


F-1-205

- 18) Make a turn of the ferrite core [2] around the foot switch cable [1] of the user and install it, and then insert it into the terminal [3] of the voice operation board.



Be sure to install the ferrite core as close as possible to the connection of the cable.



F-1-206

- 19) Insert the power plug into the power outlet.
20) Turn on the main power switch.
21) Check to see that the voice operation board is rec-

ognized.

123 key (Counter Check key) > [Device Configuration]

When 'voice operation' is displayed, the functions are enabled.



If there is not a sufficient memory, the functions are not enabled even with the board connected.

1.16.5 Checking the Settings

0019-9933

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

After turning on the power supply of the host machine, check the following settings to use the voice operation kit.

- 1) [Additional Function] > [Voice Navigation Settings] > [Voice Recognition Settings]
Check to see that it is set to ON.

MEMO:

When it is set to on, each confirmation screen at copy start, resetting, and calling the mode memory by voice operation is displayed.

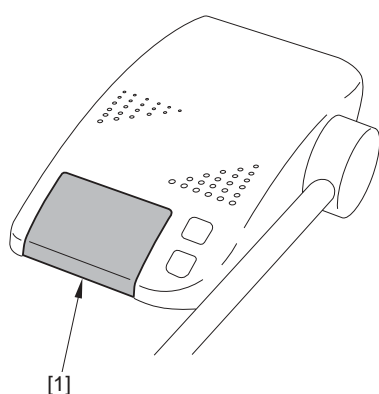
1.16.6 Operation Check

0019-9934

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<To use>

- 1) Press the reset key or voice recognition button[1] for 3 sec or more.



F-1-207

- 2) Select Voice the Navigation Selection [Voice Guide + Recognition / Voice Guide / Voice Recognition] on the control panel screen and hold down OK.
- 3) 'Voice operation kit' becomes available to use if the copy count display on the screen is framed in red.



If 'voice operation kit' does not function normally, check the following points.

- The item 'TTS-JA/TTS-EN, ASR-JA/ASR-EN' has been installed in service mode > COPIER > Display > VERSION.

<To stop>

- 1) Press the reset key or Voice Recognition button for 3 sec or more.

1.17 Installing the Wireless Network Interface Adapter

1.17.1 Notice At Installation

0019-4464

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



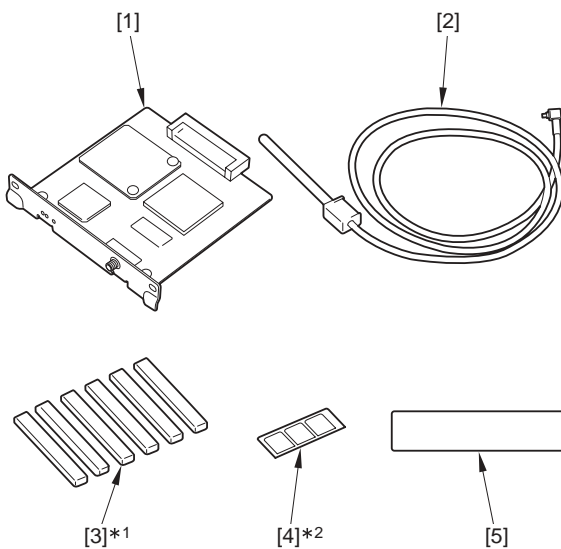
Install the equipment after installing the Expansion Bus-E1.

1.17.2 Checking the Contents

0018-9714

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<Wireless LAN Board-A1>



F-1-208

[1]	Wireless LAN board	1pc.
[2]	MFP antenna	1pc.
[3]*1	Cord guide	6pc.
[4]*2	Antenna affixing tape	1sheet.
[5]	Wireless LAN display label	1pc.

*1; Use 4 pieces for the host machine.

*2; Keep the remaining tape from the 3 sheets in a safe place for later use.

< CD/Guides >

- Wireless LAN User's Guide
- Manual CD (Wireless LAN User's Guide)
- FCC/IC instruction sheet (included only for the USA area)

1.17.3 Turning OFF the Power of the Host Machine

0018-9613

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

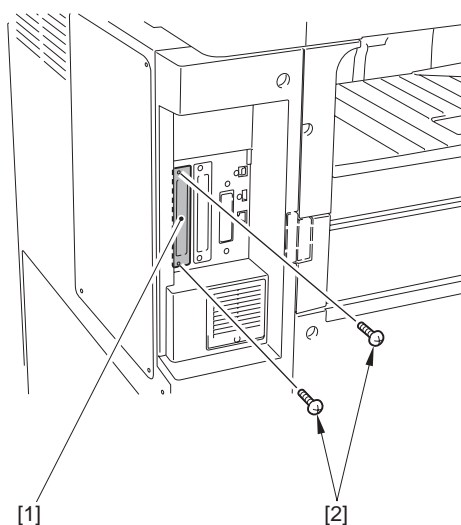
1.17.4 Installation Procedure

0019-0005

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

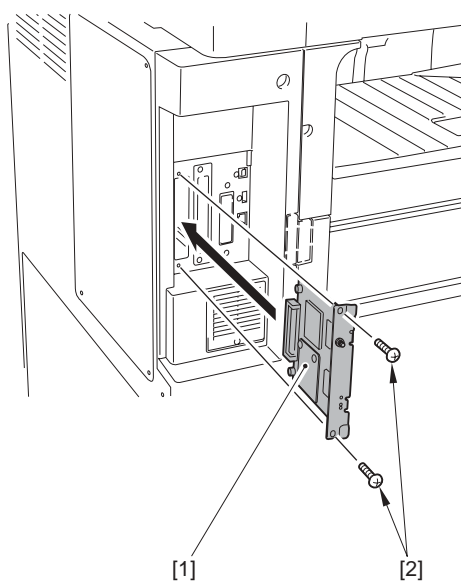
1. Installation Procedure

- 1) Remove the face plate [1] at the rear left side. (Do not use the removed face plate.)
 - 2 screws [2]



F-1-209

- 2) Install the wireless LAN board [1]
- 2 screws [2] (Use the screw removed in step 1.)

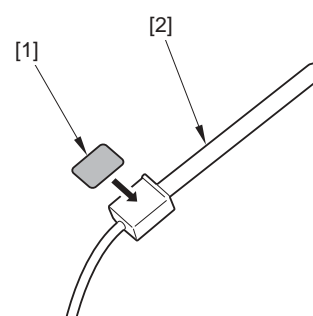


F-1-210

- 3) Remove the antenna fixing tape [1] from the sheet and affix it to the MFP antenna [2].

MEMO:

Keep the 2 remaining tapes in the safe place for later use.



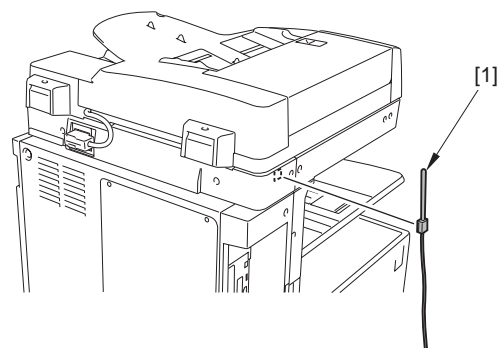
F-1-211

- 4) Install the MFP antenna [1] at the position shown in the figure.



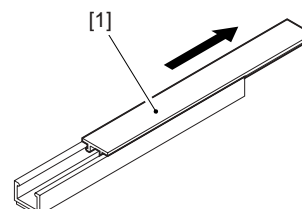
The installing position shown in the figure is recommended.

Do not install it at positions that may affect the operating portions of the host machine or hinder opening/closing operations.



F-1-212

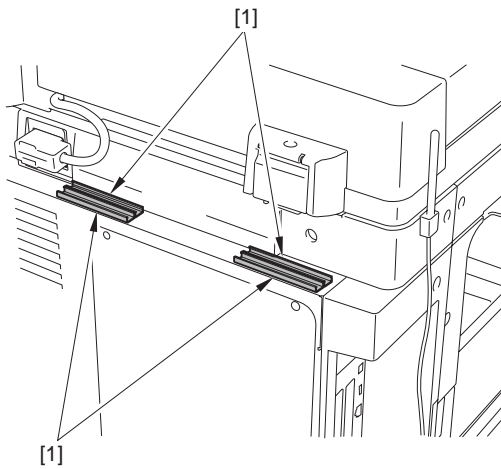
- 5) Remove the covers [1] of the 4 cord guides.



F-1-213

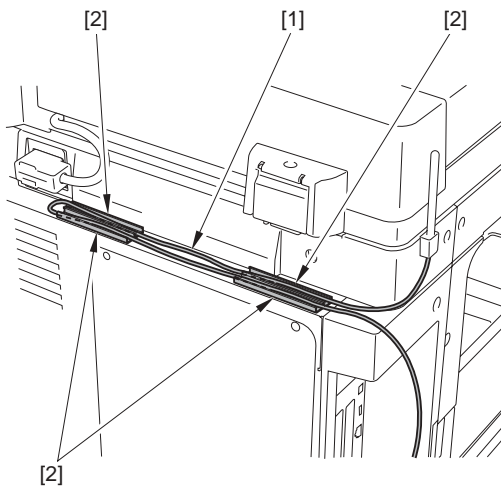
- 6) Remove the release papers of the 4 cord guides [1]

and install them to the positions shown in the figure.



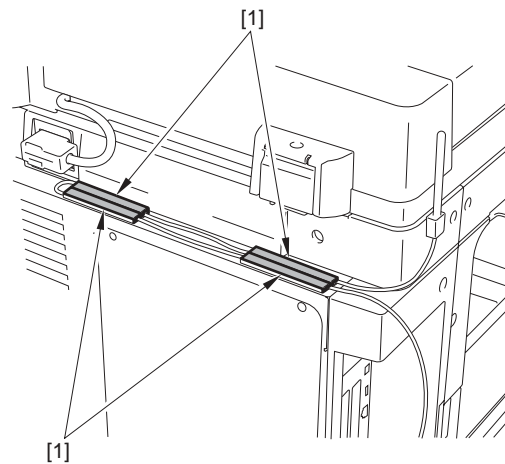
F-1-214

- 7) Route the cable [1] of the MFP antenna through the 4 cord guides [2].



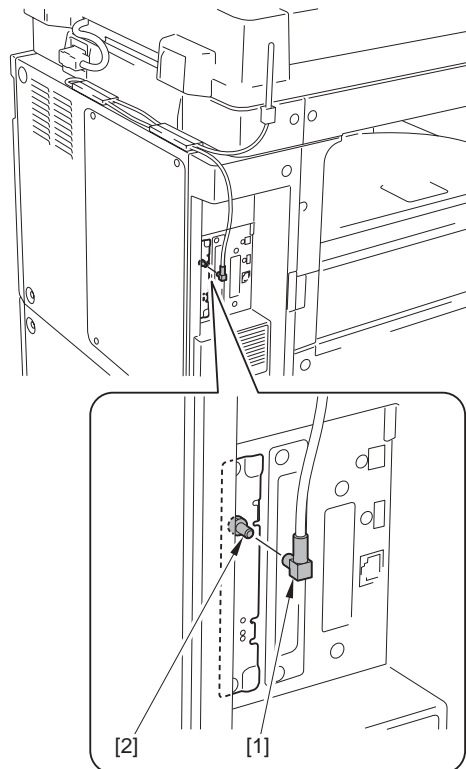
F-1-215

- 8) Install the 4 cord guide covers [1].



F-1-216

- 9) Connect the cable [1] of the MFP antenna to the terminal [2] of the wireless LAN board.



F-1-217

- 10) Insert the power plug into the power outlet.
 11) Turn on the main power switch.
 12) Check to see that the wireless LAN board is recognized.
 Enter service mode.

COPIER > DISPLAY > ACC-STS > PCI to 2
hen 'Wireless LAN Board' is displayed, the wireless
LAN board is correctly recognized.

2. User data list output

Output the user data list in order to check that the
wireless LAN has been recognised.

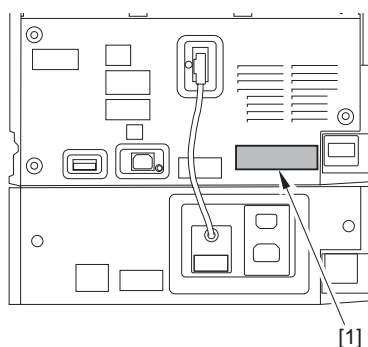
- 1) Select: [Additional Functions] > [Report Settings]
> [Extension Card] in the Print List > [User Data
List].
- 2) After a message is displayed, select 'Yes' to output
the user data list.

1.17.5 Attaching the Label

0019-0034

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 /
iR3245N

- 1) Attach the Wireless LAN display label[1] as shown
in the figure.



F-1-218

1.18 Installing the IPSec Board

1.18.1 Notice At Installation

0019-4593

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N



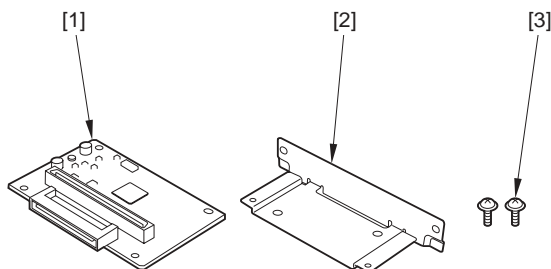
Install this equipment after installing the Expansion Bus.

1.18.2 Checking the Contents

0018-8186

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

<IPSec Board-A1>



F-1-219

[1]	IPSec Board	1pc.
[2]	IP board support plate	1pc.
[3]	Screw (TP; M3X6)	2pc.

1.18.3 Turning OFF the Power of the Host Machine

0018-8187

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

Be sure to refer to "Points to Note When Turning OFF the Main Power" in installation of the host machine.

1.18.4 Installation Procedure

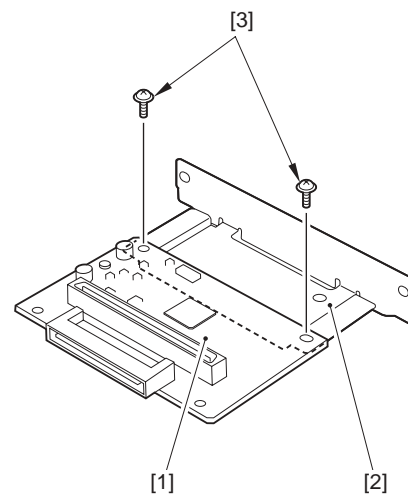
0018-8184

iR3225 / iR3225N / iR3235 / iR3235N / iR3245 / iR3245N

1. Installation Procedure

1) Install the IP board support plate [2] to the IPSec board [1].

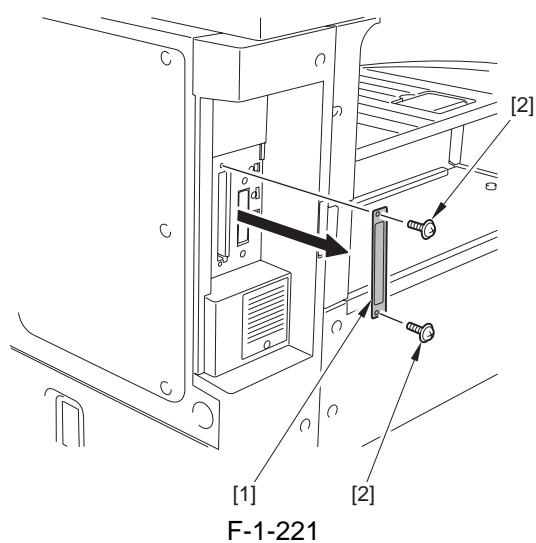
- 2 screws (TP; M3X6) [3]



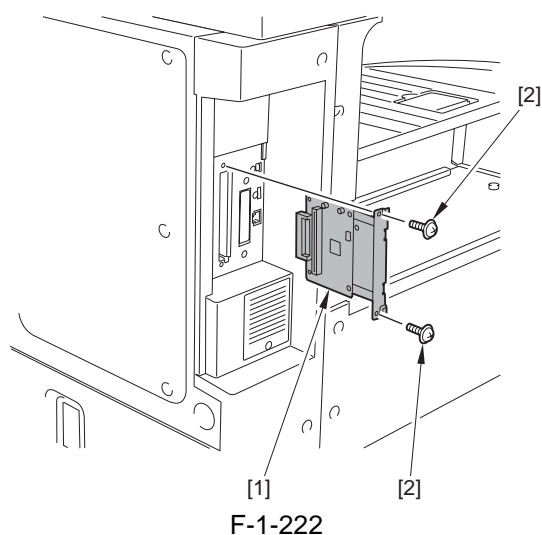
F-1-220

2) Remove the face plate [1]. (Do not use the removed face plate.)

- 2 screws [2]



- 3) Install the IPsec board [1] to the host machine.
- 2 screws [2] (Use the screw removed in step 2.)



- 4) Insert the power plug into the power outlet.
5) Turn on the main power switch.

2. Checking After Installation

- 1) Check to see that the IPsec board is recognized.
Service mode > COPIER > DISPLAY > ACC-STTS
> PCI
When 'IPsec Board' is displayed, the IPsec board is correctly recognized.

