

Installation Procedure

Paper Deck Side Paper Deck-W1

Canon

Application

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Caution



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

Symbols Used

This documentation uses the following symbols to indicate special information:

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

The following rules apply throughout this Service Manual:

1. Each chapter contains sections explaining the purpose of specific functions and the relationship between electrical and mechanical systems with reference to the timing of operation. In the diagrams,  represents the path of mechanical drive; where a signal name accompanies the symbol, the arrow  indicates the direction of the electric signal.

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

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

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

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

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

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Chapter 1 Installation Procedure

1.1 Making Pre-Checks

1.1.1 Preparing for Installation

0011-1454

A. If a Finisher or Saddle Finisher has already been installed,

Be sure to detach the finisher from the host machine before starting to install the Paper Deck.

MEMO:

The base case cannot be secured in place if a finisher or a folding unit remains installed.

B. If a Finisher or Saddle Finisher is to be installed at the same time,

install the Paper Deck first. However, be sure to take out the spring mounting plate and the two tightening screws (w/ toothed washer) that come with the finisher in advance. (For details, see step 13) of this booklet.)

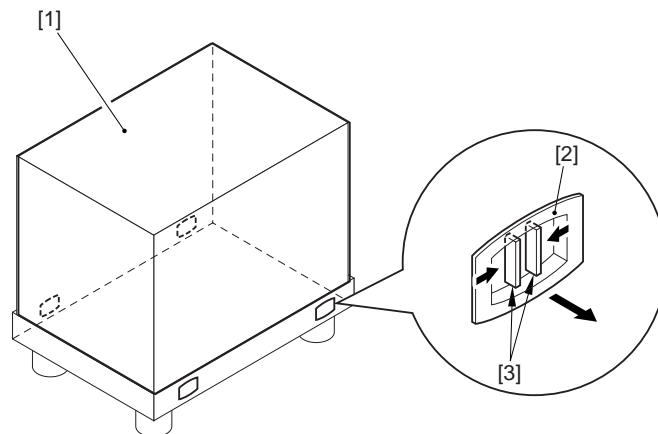
1.2 Unpacking and Checking the Components

1.2.1 Checking the Contents

0011-1457

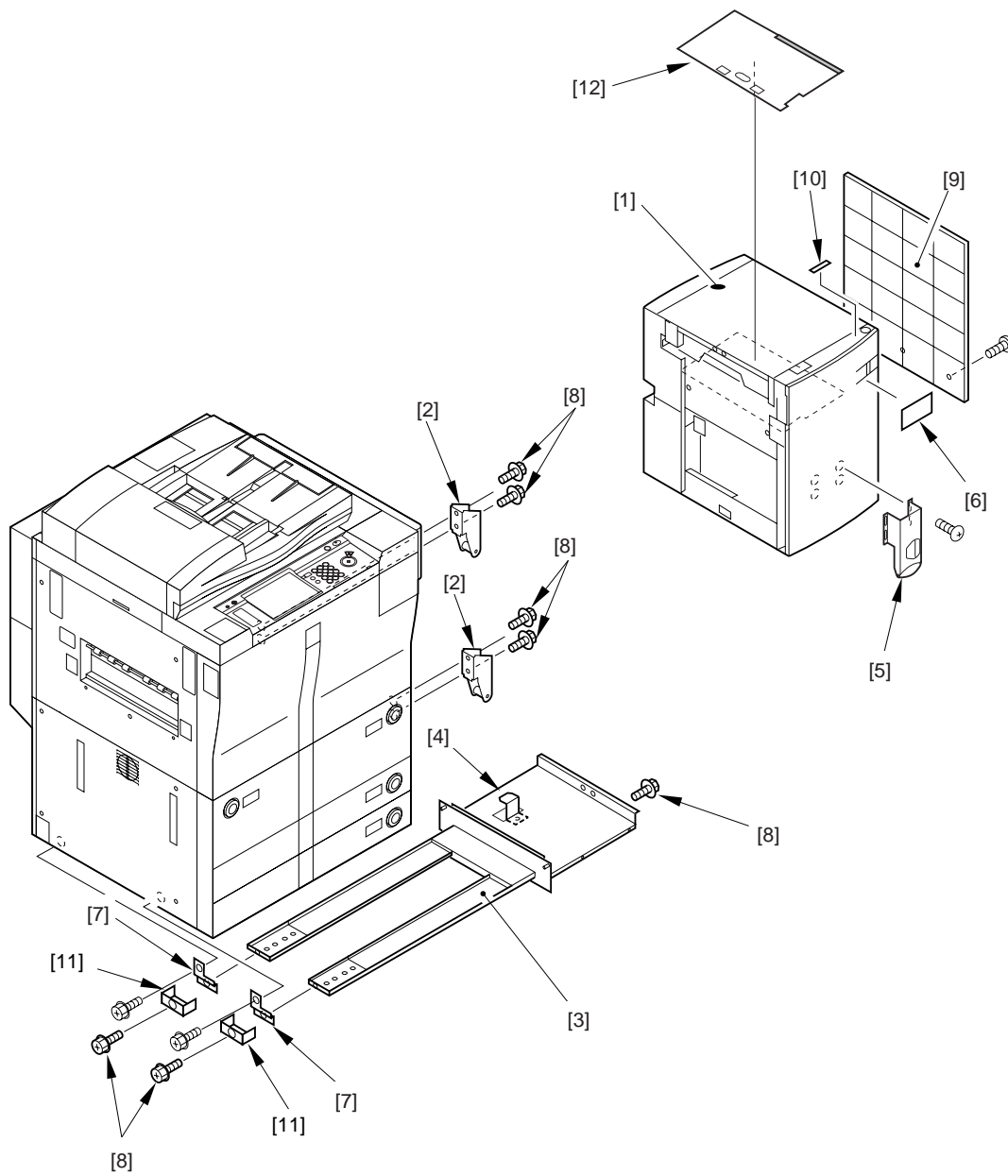
A. Opening the External Box

- 1) Squeeze the tabs [3] found within the clip recess [2] used to keep the external box [1] in place, and pull out the clip toward the front. (4 locations)
- 2) Lift and detach the external box.



F-1-1

B. Checking the Components



F-1-2

[1]Paper deck	1	[7]Fixing	2
[2]Latch plate (front, rear)	1 each	[8]RS tightening screw (M4X8)	15
[3]Deck base	1	[9]Deck right cover	1
[4]Fixing plate	1	[10]OPEN label	1
[5]Roller support	1	[11]Base protection cover	2
[6]Paper Size label	1	[12]Lifter plate sheet	1

[13]Attach the 3-hole paper placement label 1

1.3 Installation Procedure

1.3.1 Installing to the Host Machine

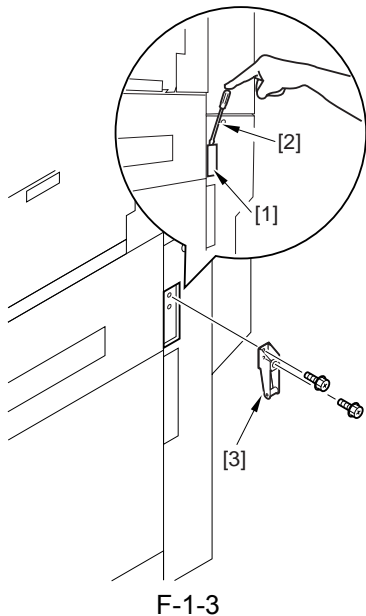
0011-1461

Keep the following in mind when mounting the Paper Deck to its host machine:

- The host machine's power plug must be disconnected.
- The host machine must have been properly installed.
- The host machine must not be brought into and out of the site once the Paper Deck has been mounted to it, thereby preventing damage.
- The screws must be identified by type (length, diameter).

<Installation>

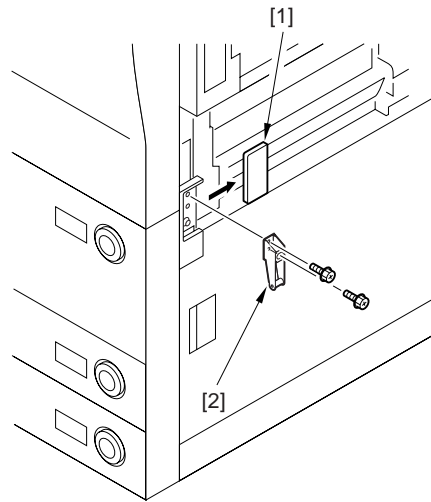
- 1) Insert a flat-bladed screwdriver [2] above the face cover (rear) [1] found on the host machine's right side, and detach the face cover (rear) while releasing the locking claw.
- 2) Mount the latch support (rear) [3] with two RS tightening screws (M4X8).



F-1-3

- 3) Open the right upper door, and slide the face cover

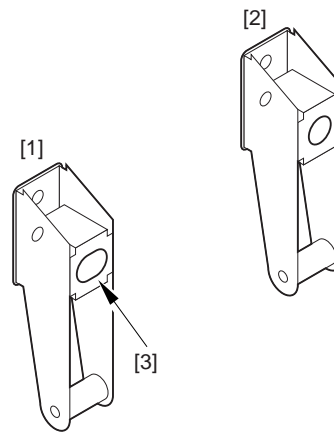
- (front) [1] in the direction of the arrow to detach.
- 4) Mount the latch support (front) [2] with two RS tightening screws (M4X8).



F-1-4

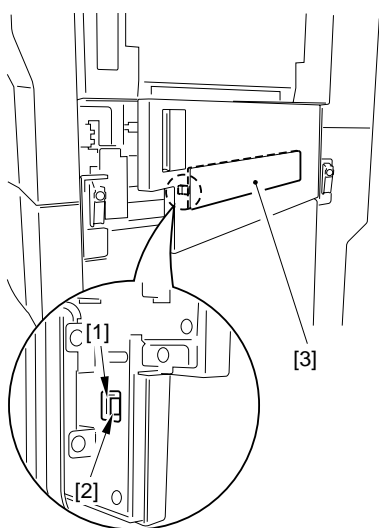


The front latch support [1] and the rear latch support [2] have different shapes. Be sure to use the one with a long hole [3] for the front.



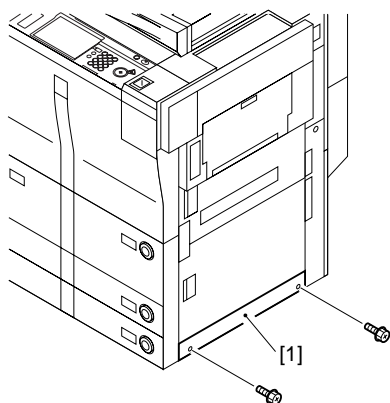
F-1-5

- 5) Free the claw [2] of the inside face cover from the opening [1] found behind the right door, and detach the inside face cover [3].



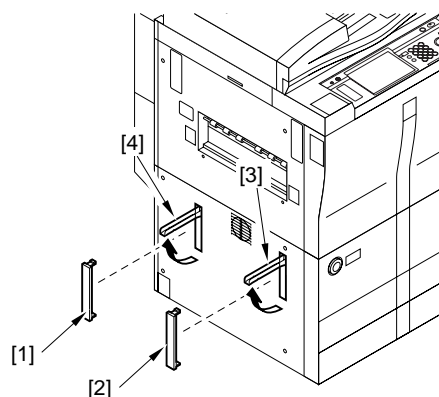
F-1-6

- 6) Remove the two screws, and detach the right lower cover [1].



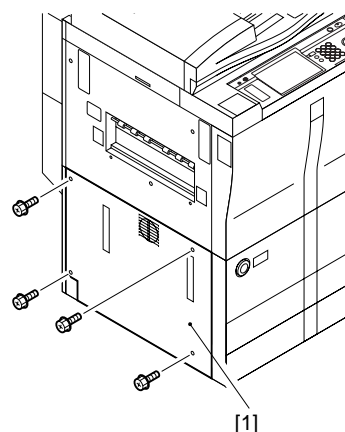
F-1-7

- 7) Remove the grip face covers (front) [1] and (rear) [2] of the left lower cover, and shift up the grips (front) [3] and (rear) [4] as shown.



F-1-8

- 8) Remove the four screws, and detach the left lower cover [1].

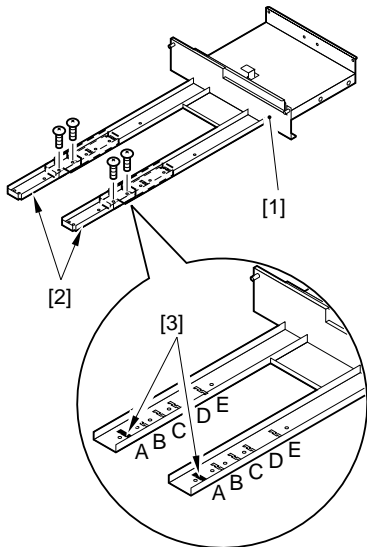


F-1-9



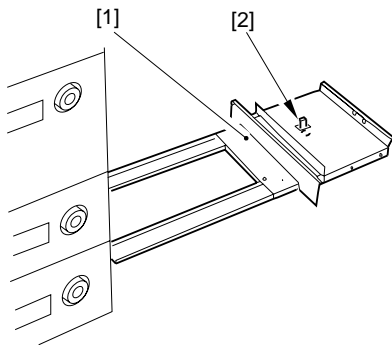
If a Finisher or Saddle Finisher has already been installed, this step may be skipped.

- 9) Remove the two screws from the bottom stay extension plate [2] of the deck base [1], and slide the plate as far as the grooves shown in the figure; then, secure it in place using the removed screws. (Be sure to perform this for both front and rear. The grooves [3] are marked A.)



F-1-10

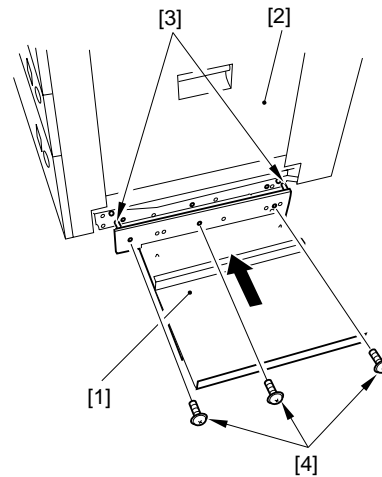
- 10) Remove the screw, and detach the fixing plate [2] from the deck base [1].



F-1-11

- 11) Slide the deck base [1] from the right side [2] of the host machine under the host machine. Then, lift the right side of the deck base slightly, and fit the pins [3] of the deck base into the holes in the host machine.
- 12) Secure the deck base to the host machine with three RS tightening screws (M4X8) that come with the Paper Deck.

right bottom of the host machine



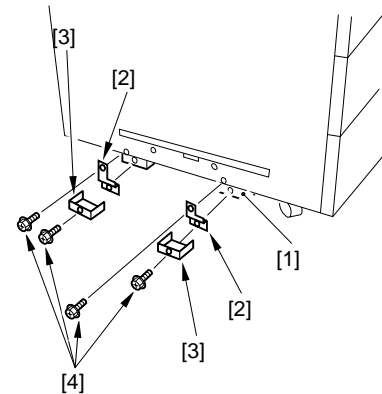
F-1-12

- 13) Secure the deck base in place (left bottom of the host machine).

- a. If no Finisher or Saddle Finisher is to be installed, To the deck base [1], secure the bottom of the fixing [2] and the base protection cover [3] in place with an RS tightening screw (M4X8) [4].

Secure the top of the fixing [2] in place to the host machine with an RS tightening screw (M4X8) [4] that comes with the Paper Deck. (Be sure to perform this step for both front and rear.)

left bottom of the host machine

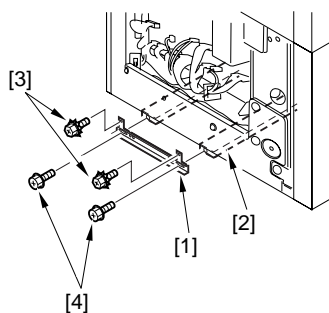


F-1-13

- b. If a Finisher or Saddle Finisher is to be installed at the same time,

Do not use the two fixings that come with the Paper Deck. Instead, secure the spring mounting plate [1] that comes with the finisher to the deck base [2] with two RS tightening screws (w/ washer) [3] and

the two RS tightening screws [4] that come with the Paper Deck.

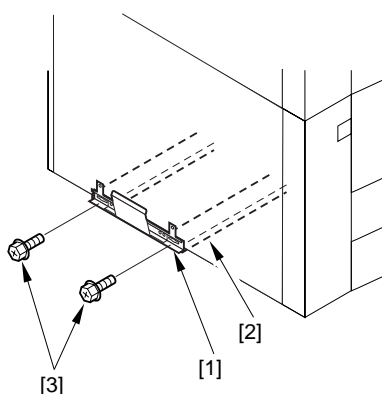


F-1-14

c. If a Finisher or Saddle Finisher has already been installed,

Remove the finisher and the folding unit; then, fix the deck base [2] to the spring base* [1] in place with a screw [3] that comes with the unit.

*Already mounted and comes with the unit.

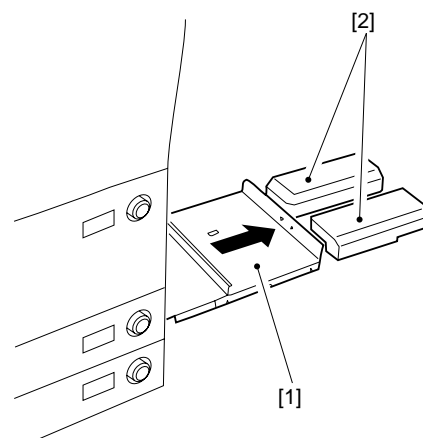


F-1-15

14) Mount the left lower cover and the grip face cover removed in steps 7) and 8).

15) Slide the deck base to the right (away from the host machine).

16) Place the cushioning material [2] on the deck base [1] so that the Paper Deck may be placed.



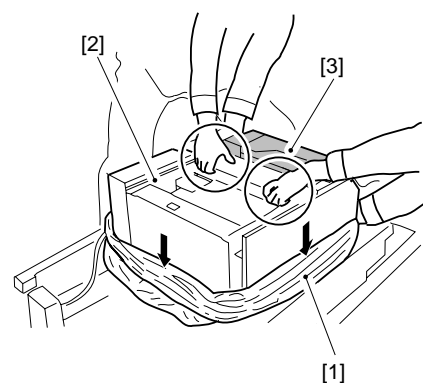
F-1-16

17) Peel down the plastic bag used to pack the Paper Deck; then, while holding the Paper Deck as shown, lift and place it on the cushioning material laid in step 16).

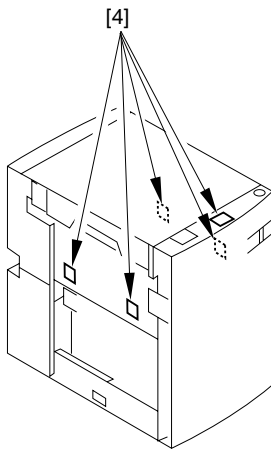


- Do not hold the Paper Deck [2] by the area shaded in the figure to avoid deforming the area.

- When lifting the Paper Deck, be sure to hold it by the area indicated with a label [4]. Further, be sure to work in a group of two.

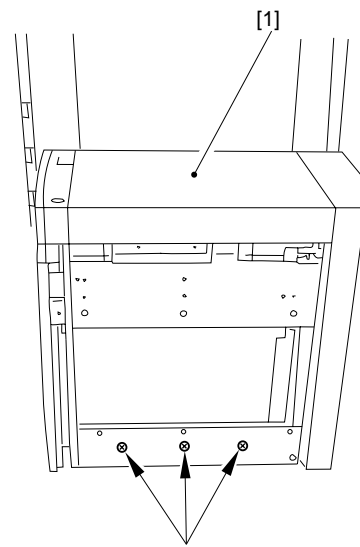


F-1-17



F-1-18

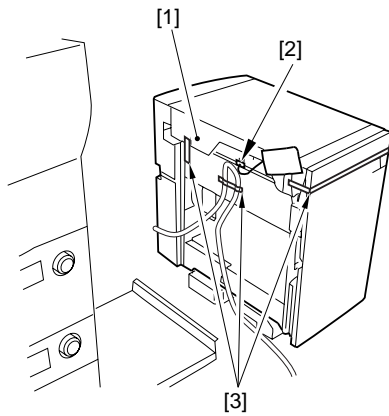
18) Remove the fixing material [2] and the packing tape [3] from the Paper Deck.



F-1-20

20) Holding the areas of the paper deck [1] indicated by the grip labels, place the paper deck on the deck base [4] while fitting the pins [3] on the paper deck base into the holes [2] in the bottom of the paper deck.

At this time, try matching the arrow (A) [5] on the left lower stay of the paper deck and the edge (B) [6] of the deck base as reference to facilitate the work.

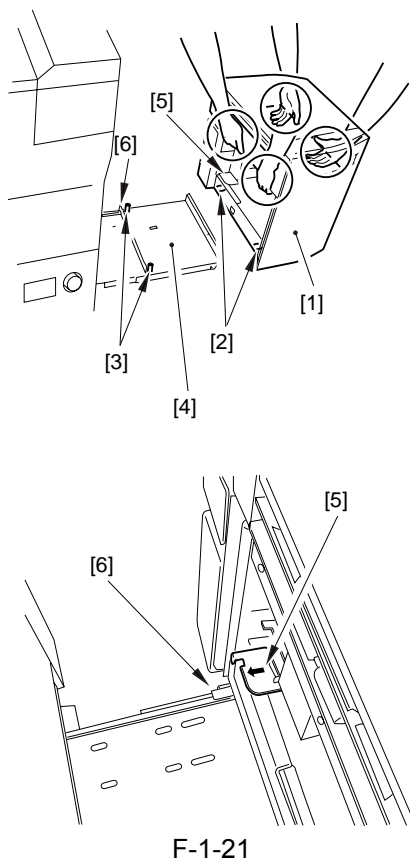


F-1-19

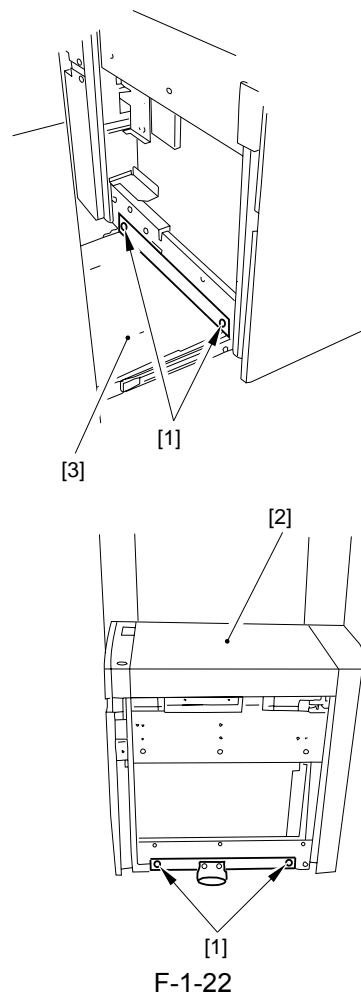
19) Remove the three screws [3] from the right side of the Paper Deck.



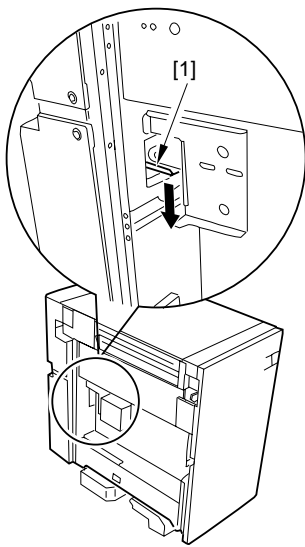
The three screws of the Paper deck will be used in step 29).



- 21) Secure the Paper Deck [2] to the deck base [3] with four RS tightening screws (M4X8) [1].



- 22) Push down the latch plate [1] of the paper deck compartment to open the compartment.

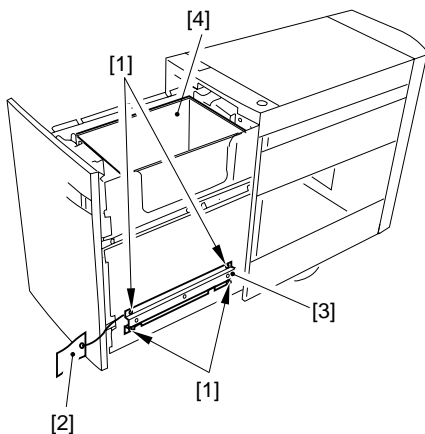


F-1-23

23) Remove the four screws [1], and remove the fixing member [3] to which a shipping tag [2] is attached; then, take out the cushioning material [4] from the compartment.

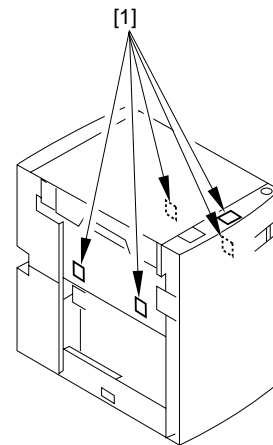


The removed fixing material will no longer be used. The four screws will be used in step 27.



F-1-24

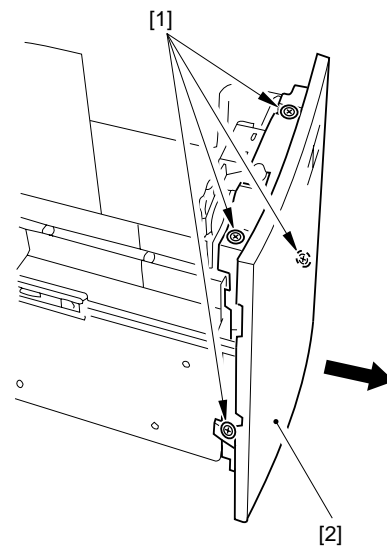
24) Detach the grip labels [1] from the four locations on the Paper Deck.



F-1-25

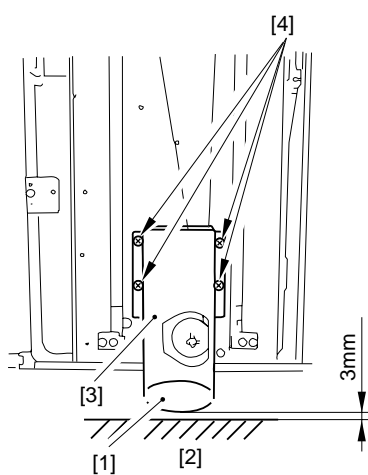
25) Take note of the position of the front cover with reference to the index inscribed near the mounting screw.

26) Loosen the four screws [1], and detach the front cover [2] of the Paper Deck to the front.



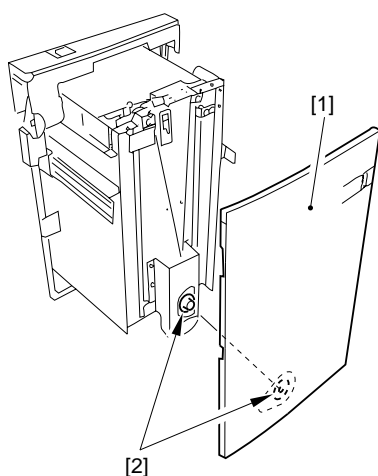
F-1-26

27) With the compartment slid fully out, secure the Roller support [3] in place with the four screws [4] removed in step 23) so that the member [1] is about 3 mm away from the floor [2].



F-1-27

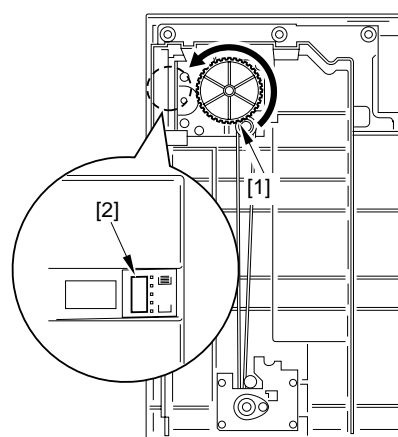
28) Fit the front cover [1] of the Paper Deck back in its initial position with reference to the coupling [2] for the paper level indicator.



F-1-28

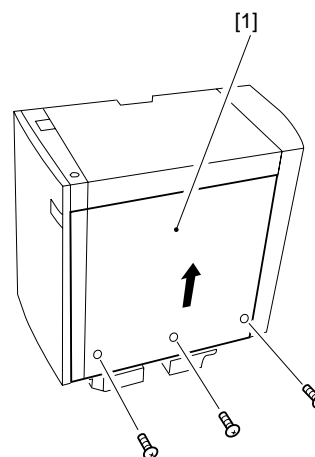


Before mounting the front cover, turn the level indicator gear [1] fully counterclockwise so that the indicator [2] is "white."



F-1-29

29) Mount the right cover [1] of the Paper Deck with the three screws removed in step 19).



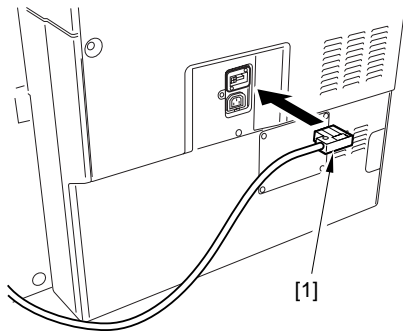
F-1-30

30) Slide the Paper Deck to the left to set it to the host machine.



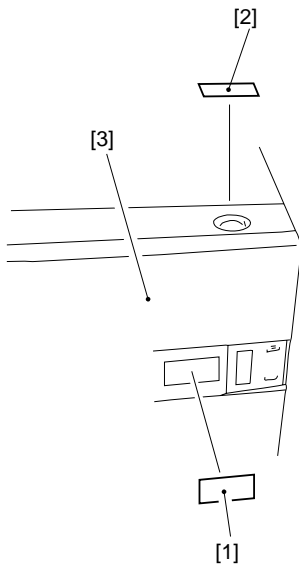
Disconnect the copier's power plug.

31) Detach the connector cover from the rear of the machine, and connect the connector [1] of the Paper Deck.



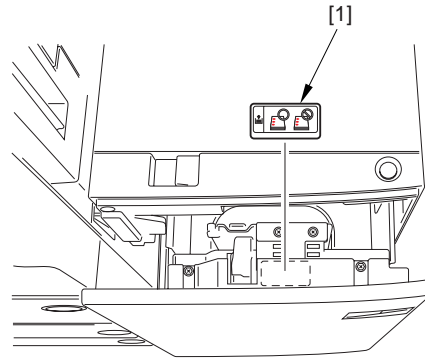
F-1-31

32) Find out the needs of the user, and attach the Paper Size label [1] and the OPEN label [2] to the front cover [3] of the Paper Deck.



F-1-32

33) Attach the 3-hole paper placement label [1] to the front cover.

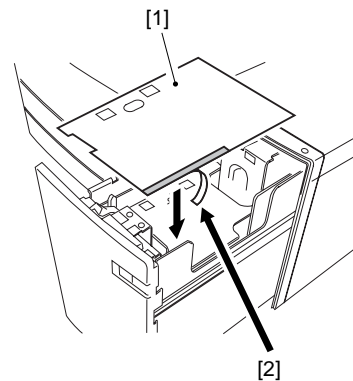


F-1-33

If the deck is used for LTR paper or B5 paper, steps 33) and 34) may be omitted.

34) Turn on the host machine, and check to make sure that the paper level indicator of the Paper Deck is "black," i.e., the lifter plate is fully up; then, press the deck compartment release button to slide out the compartment.

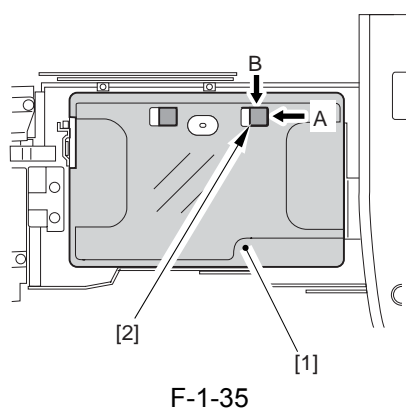
35) Peel the backing sheet [2] of the lifter plate sheet [1] that comes with the Paper Deck, and attach it to the lifter plate as shown.



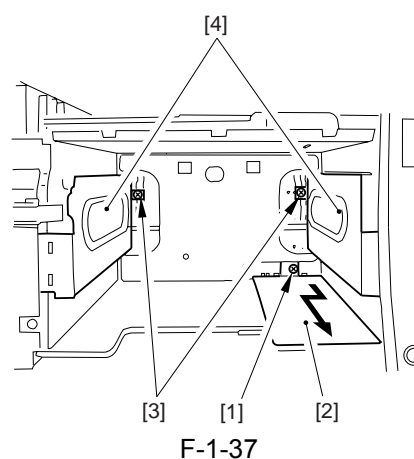
F-1-34



When attaching the lifter plate sheet, butt the sheet against A and B of the rear separation sheet, and stick double-sided tape to the lifter plate. At this time, check to make sure that the lifter plate sheet [1] has not ridden over the groove front separation sheet [2].



F-1-35



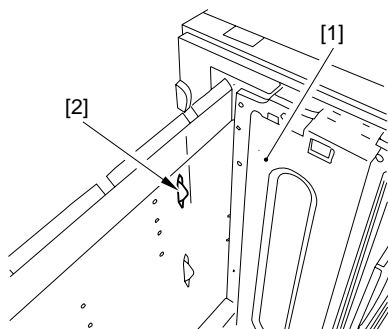
F-1-37

1.3.2 Switching the Paper

Size

0011-1473

- 1) Open the compartment [1] of the Paper Deck; if any, remove all copy paper.
- 2) If the lifter of the Paper Deck is up, turn on the host machine's power switch, and push the sensor lever [2] of the paper supply position sensor found inside the compartment to move down the lifter to its bottommost limit.



F-1-36

- 3) Remove the screw [1], and fit the paper rear guide plate [2] to suit the new paper size. (The rear guide plate is not used for LTR size; the paper size is inscribed in the bottom plate.)
- 4) Likewise, remove the screw [3] (1 pc. each), and fit the left/right guide plate [4] (1 pc. each on left and right) to suit the new paper size.

- 5) Start the host machine's service mode, and make the following settings to set the new paper size: COPIER > OPTION > ACC > DK-P:

0: A4

1: B5

2: LTR

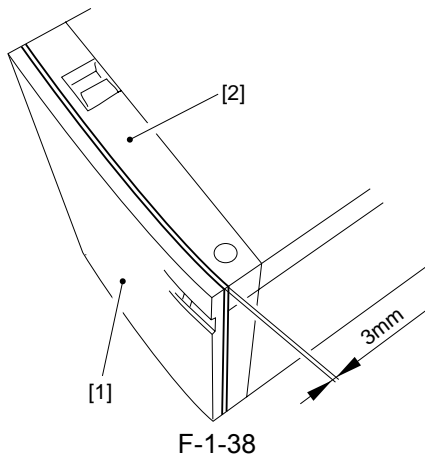


Be sure to turn off/on the host machine after making the settings.

1.3.3 Positioning the Front Cover

0011-1502

- 1) Be sure the front cover is mounted so that the gap between the front cover [1] and the front upper cover [2] is 3 +/-1 mm.

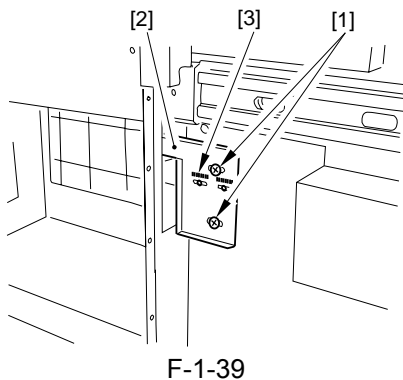


F-1-38

1.3.4 Checking the Operations

0011-1504

- 1) Connect the host machine's power plug, and turn on the power switch.
- 2) When the host machine's WAIT period ends, make copies using the Paper Deck as the source of paper to check the operation.
- 3) Make copies of the Test sheet, and check to make sure that the left/right registration is 0 ± 1.5 mm for the Paper Deck.
- 4) If the left/right registration is not as indicated, adjust the position of the latch support of the deck open solenoid using the two screws [1]. (At this time, refer to the index [3] on the latch plate [2].)



F-1-39

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