DDP92
Digital Document Publisher

Installation Manual

March, 2007
N904117

Revision Table for manual

Rev. for Manual	Machine Rev.	Page No.(Contents)	Date
00	-	First Edition	May, 28. ’05
01	-	Table of Contents ii(01) 2-3(01), 2-4(01), 2-5(01), 4-3(01), 4-14(01), 5-1(01), 5-2(00) to 5-7(00)	Oct, 21. ’05
02	X1	RoHS Compliance. 2-4(02),2-5(02),2-15(01),3-2(01),3-6(01), 4-7(01),4-18(01),4-27(01),4-28(01)	Mar, 17. ‘06
03	-	2-4(03),2-5(03)	Mar, 5. ‘07
04	-	5-8(00)	Jan, 22.’08
05	-	Table of Contents i(01), ii(02),1-1(01),1-2(01), 4-1(01),4-2(01), 4-32(01) Added pages : 2-17(00),2-18(00),2-19(00),3-11(00),4-3(00), 4-9(00),4-10(00),4-11(00),4-12(00),4-13(00),4-14(00), 4-15(00),4-36(00),4-37(00),4-38(00),4-39(00),4-40(00), 4-41(00),4-42(00),4-43(00),Appendix9(00),Appendix10(00), Appendix11(00), Appendix12(00)	Mar, 28.’08
06	-	2-17(01),4-12(01),4-13(01)	Apr, 10.’08
07	-	2-17(02),2-18(01) ,4-12(02),4-13(02), 4-40(01),4-41(01)	Jun, 18.’08
08	-	2-4(04),2-5(04)	Apr, 1. ‘09

The material in this document is for informational purposes and is subject to change without notice. Ricoh Printing Systems, Ltd. assumes no responsibility for errors or omissions in this document. No liability is assumed for any damages resulting from the use of the information it contains.
This manual describes information for handling and operating the DDP92 laser printer.

NOTICE TO USER

In an effort to meet the demands of a rapidly changing technology, the manufacturer is continually developing new features and functions to meet your changing printing or printer needs. As a result, this manual may not exactly reflect future changes made to the product. Please be sure to consult all manual updates or addenda when using this product's documentation.

INTRODUCTION

This manual provides essential information to install the DDP92 laser printer.
Carefully read and understand the safety instructions in this manual before starting installation.
Keep this manual on hand for reference.
DDP92 represent the model LB092A### laser printer.
(#:0-9, A-Z or blank).

BLANK

Table of Contents

⚠ SAFETY SUMMARY

The hazard warnings which appear on the warning labels on the machine or in the manual have one of the following alert headings consisting of an alert symbol and a signal word, DANGER, WARINIG, or CAUTION.

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER:	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING:	Indicated a potentially hazardous situation which, if not avoided, can result in death or serious injury.
⚠ CAUTION:	Indicates a hazardous situation which, if not avoided, will or can result in minor or moderate injury, or serious damage of product.
CAUTION:	Indicates a potentially hazardous situation which, if not avoided, may result in property damage.

1. ⚠ General Safety Guidelines

Before operating the machine, read the following instructions carefully:

- Follow all the installation procedures provided in this manual.
- Pay special attention to and follow all the hazard warnings on the machine and in the manual. Failure to do so can cause injury to yourself or damage to the machine.
- Do not perform any installation in any way other than as provided in this manual.
- Keep in mind that the hazard warnings in this manual or on the machine cannot cover every possible case, as it is impossible to predict and evaluate all circumstances beforehand. Be alert and use your common sense.

2. ⚠ Hazard Warning Statements

The following are the hazard warning statements contained in this manual.

2.1 ⚠ WARNING Statement

- Leave over than 400mm at the rear of the Printer for ventilation. Otherwise print quality may be degraded.

(Section 1.2,Page 1-1)

- Be careful when unpacking using the crane or forklift. Do not to drop device, hit it against something, or turn it over on its side.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.4,Page 2-11)

- Perform unpacking where there is no dust or water leaking.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.3,Page 2-9)
(Section 2.4,Page 2-12)
(Section 2.5,Page 2-15)

- Do not place heavy objects which weigh 5 kg or more on device.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.3,Page 2-9)
(Section 2.4,Page 2-11)

- Be careful when lifting device with the forklift so device is well-balanced on the arms of the lift. Also put the packing (cushion) between device and the forklift so device is not damaged.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.4,Page 2-11)

- Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device. Do not move device on unleveled floor. Do not tilt device 15 ° or more.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.3,Page 2-9)
(Section 2.4,Page 2-11)

- Choose the location to place device where the slope is less than 15 °. (Only left and right direction from view of operator's side.)

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.3,Page 2-9)

- Choose the location to place device where there is no condensation.

(Section 2.1,Page 2-1)
(Section 2.2,Page 2-6)
(Section 2.3,Page 2-9)
(Section 2.4,Page 2-11)

- Choose the location to place device where the slope is less than 15 °.

(Section 2.4,Page 2-11)

- The voltage is constantly in unless the machine is unplugged or Breaker Switch is turned off.

(Section 4.1,Page 4-3)

- Unplug the Power Supply Cable prior to connecting the power supply source.

(Section 4.1,Page 4-3)

- Be careful not to have other personnel plug in the power cable while performing the connecting.

(Section 4.1,Page 4-3)
(Section 4.1,Page 4-4)

- Unplug the Power Supply Cable prior to connecting.

(Section 4.1,Page 4-4)

- Be sure to use power supply cable which complies with the following specification :

  Power plug rating ; Min. AC 250V, Min. 15A (2-Pole, 3-Wire, Grounded)
  6-15P UL Listed, CSA Certified in North America
  Type CA, Conformed to IEC 950 in Europe

  Power cable rating ; Min. AC 250V, Min. 15A
  Type SJT or SVT, UL Listed, CSA Certified in North America
  Conformed to IEC 950 in Europe

(Section 4.1,Page 4-4)

- Use the Power Supply Cable which is approximately 50 mm longer for the FG. The cable should be designed as below, so the FG power cable remains connected if the other cables are accidentally disconnected.

(Section 4.1,Page 4-4)

- Make sure that the power cables are connected to the correct terminals (“L”, “N”) on the power plug and Terminal Block. (FG power cable is connected to chassis.)

(Section 4.1,Page 4-4)

- The socket-outlet shall be installed near the printer and be easily accessible.

(Section 4.1,Page 4-4)

Chapter 1. Installation Requirements

1.1 Application

This specification is applied to the DDP92 Printer for Unpacking, Installing and Adjustment.

1.2 Installation Area

Installation area is shown in Appendix 1.1–1.9 corresponding to Table 1.1.

Table 1.1 Installation area

Appendix	Printer	Finisher	Transit Pass Unit Type DDP	Finisher SR5000	High Capacity Hopper	Container Stacker 1	Container Stacker 2
1.1	X	X					
1.2	X	X			X		
1.3	X					X	
1.4	X				X	X	
1.5	X					X	X
1.6	X				X	X	X
1.7	X	X					X
1.8	X	X			X		X
1.9	X		X	X			
1.10	X		X	X	X		
1.11	X		X	X			X
1.12	X		X	X	X		X

X: Composed

⚠ WARNING

Leave over than 400mm at the rear of the Printer for ventilation. Otherwise print quality may be degraded.

1.3 Installation Unit

Locations of the leveling bolt and Caster is shown in Appendix 2.1–2.4.

1.4 Tools Required

Table 1.2 Tools Required

Item	Name	Usage
1	Cutter	Unpacking
2	Phillips Screw Driver NO.2 shaft length; approx. 40 and 100mm	Removing and installing the screw for covers
3	Adjustable Open End Wrench	Leveling the bolt Fixing the leveling the bolts
4	Level Meter	Installation the Container Stacker

1.5 Environmental Conditions

Table 1.3 Environmental Conditions

Items	Value
Temperature	10 ~32 °C (50 ~ 89.6°F)
Humidity	20 ~80 %RH (Wet Bulb 26 °C (78.8 °F) max.)
Altitude	0 to 2,100 m (0 to 7,000 feet) max.

1.6 Input Line Voltage

Table 1.4 Print Engine Input Line Voltage

Input Line Voltage	AC 200V ~ AC 240V
Phase	Single Phase, two wires and grounding wire
Frequency	50/60 Hz ±1Hz
Transient (Static)	±10%
Transient (Dynamic)	–18% / +15% 500ms
Drop out	-100%, 20ms

Chapter 2. Unpacking

2.1 Unpacking of the Engine

⚠ WARNING

1) **Be careful when unpacking using the crane or forklift. Do not to drop device, hit it against something, or turn it over on its side.**
2) **Perform unpacking where there is no dust or water leaking.**
3) **Do not place heavy objects which weigh 5 kg or more on device.**
4) **Be careful when lifting device with the forklift so device is well-balanced on the arms of the lift. Also put the packing (cushion) between device and forklift so device is not damaged.**
5) **Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device. Do not move device on unleveled floor. Do not tilt device 15 ° or more.**
6) **Choose the location to place device where the slope is less than 15 °. (Only left and right direction from view of operator's side.)**
7) **Choose the location to place device where there is no condensation.**

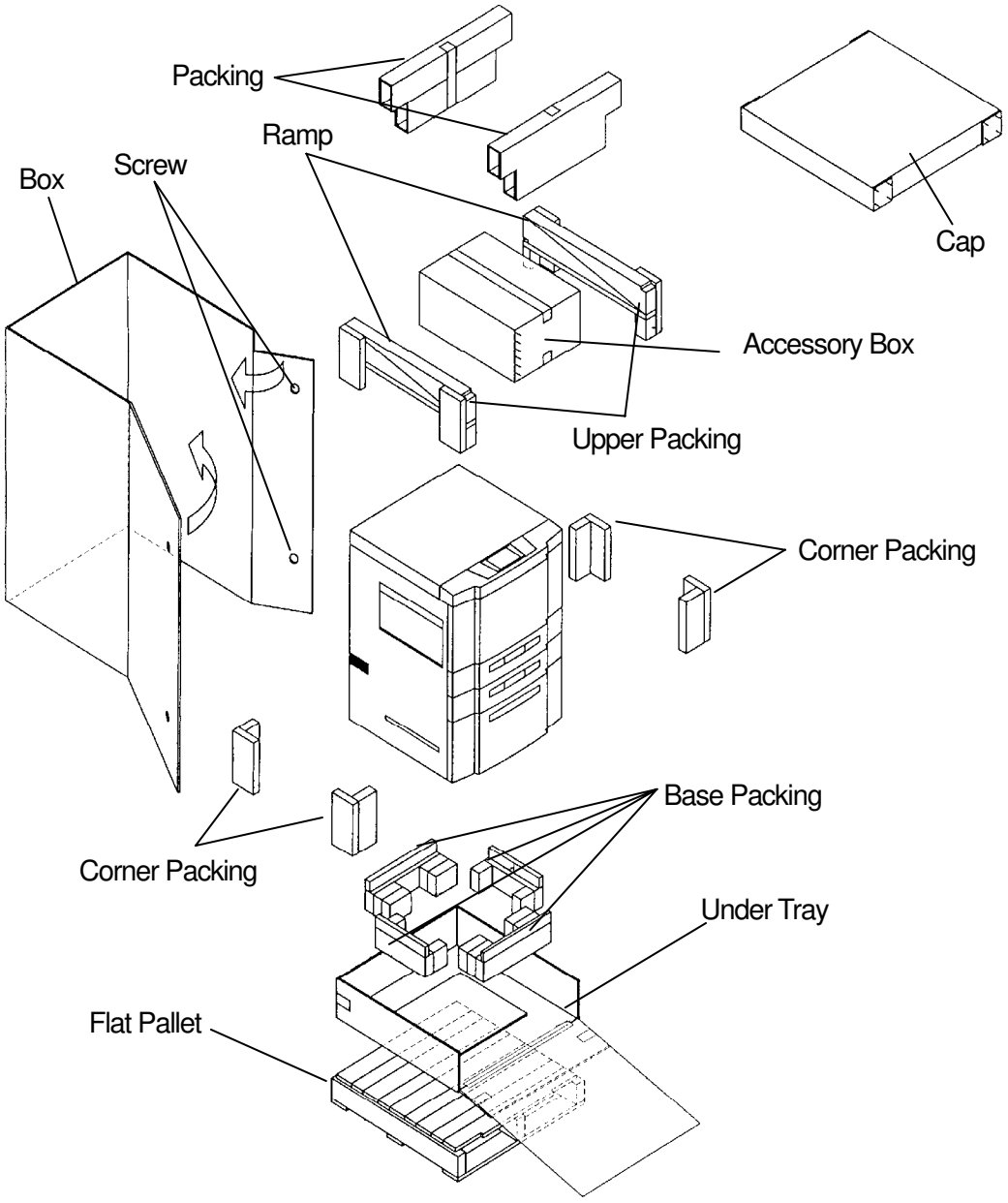
2.1.1 Components in the package

Table 2.1 Components in the package

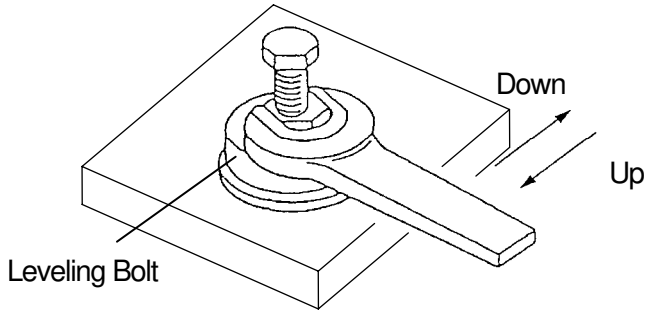
Unit of Packing	Quantity
Engine	1
Accessory Box	1

2.1.2 Unpacking Procedures

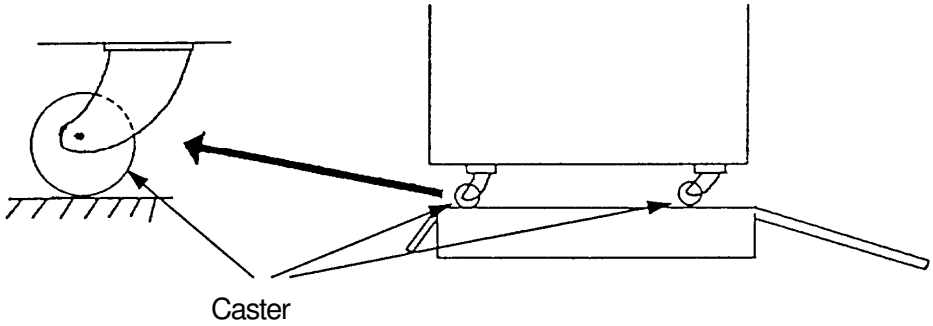
1) Cut the V Bands and remove the Cap.
2) Remove the screws.
3) Remove the Packing, Accessory box, Ramps, Upper Packing.
4) Remove the Box, Corner Packing.



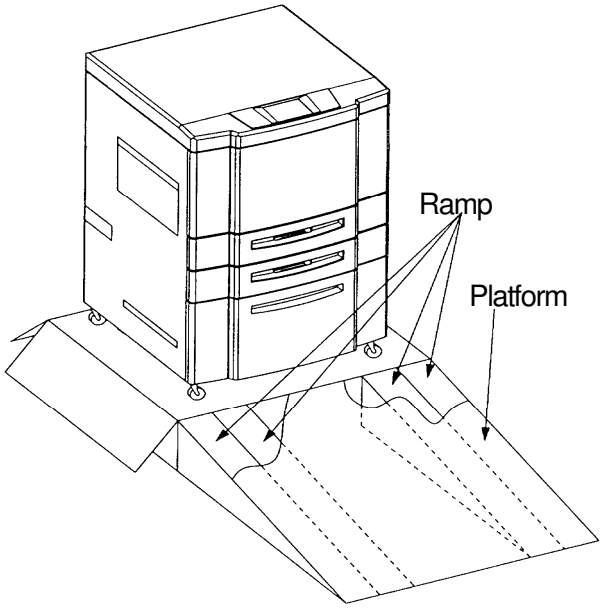
5) Jack up the Engine by rotating the leveling bolts.
Put the wood spacer (It is taken out from the accessories box.) under four leveling bolts.
Jack up the Engine by rotating the leveling bolts.



6) Remove the Base Packing.
7) Place all Casters in the same direction.



8) Lower the Engine on the Under Tray and screw the leveling bolts in all the way.
9) Attach the four Ramps under the Platform.
10) Carefully roll the Engine off the Tray.



2.1.3 Parts Check in the Accessory Box

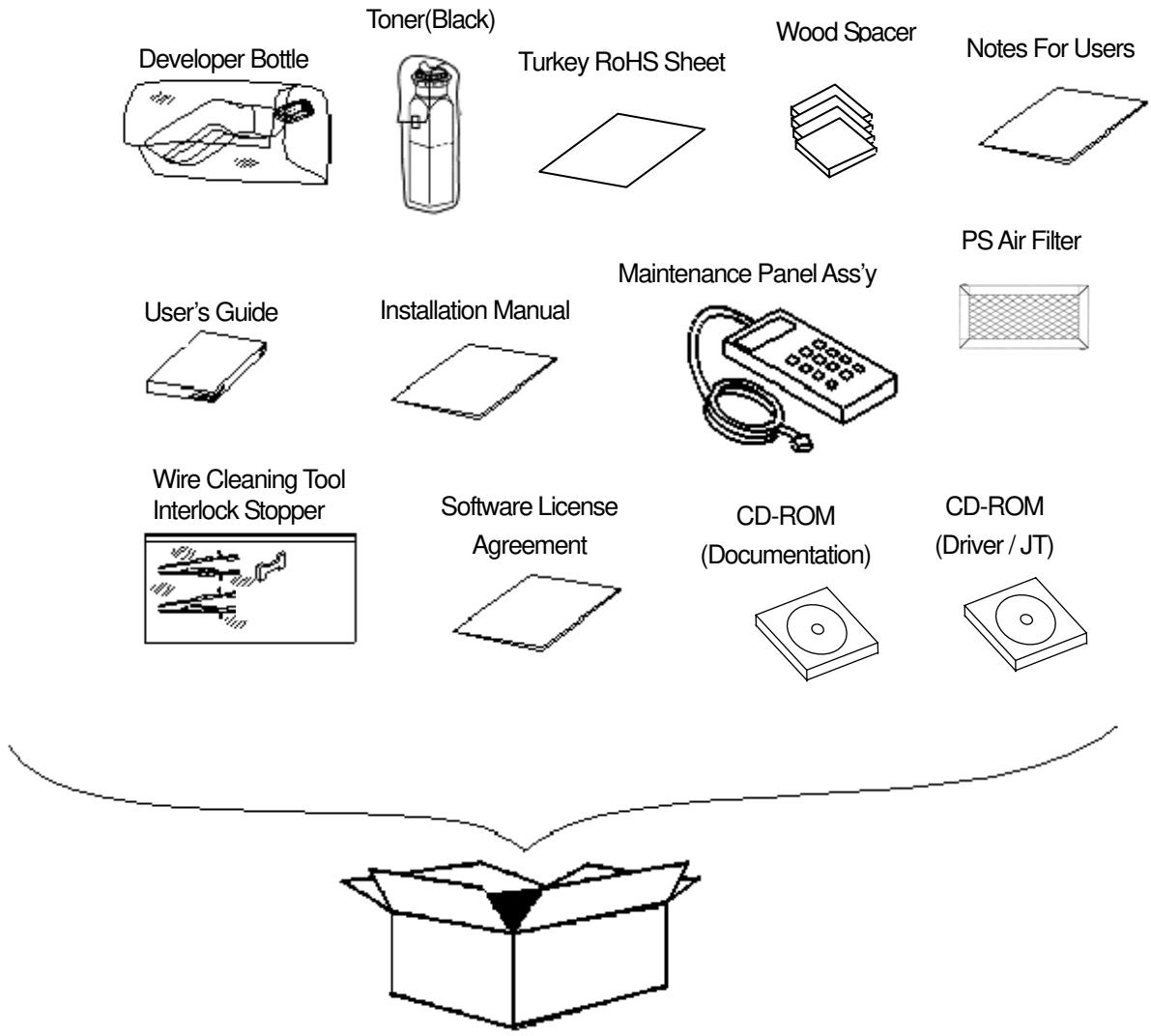


Table 2.2 Parts list in the Accessory Box

No.	Parts Name	Qty	Use
1	USER'S GUIDE	1	For Customer
2	DEVELOPER BOTTLE	1	For Developer exhaust
3	MAINTENANCE PANEL ASSY	1	For Customer Engineer
4	WIRE CLEANING TOOL	1	For Customer Engineer
5	INTERLOCK STOPPER	1	For Customer Engineer
6	TONER(BLACK)	1	For Customer
7	INSTALLATION MANUAL	1	For Customer Engineer
8	SOFTWARE LICENSE AGREEMENT	1	For Customer
9	CD-ROM (DOCUMENTATION)	1	For Engineer
10	CD-ROM (DRIVER / JT)	1	For Engineer
11	WOOD SPACER	4	For Customer Engineer
12	PS AIR FILTER	1	For Customer Engineer
13	NOTES FOR USERS	1	For Customer
14	TURKEY ROHS SHEET	1	For Customer

2.2 Unpacking of the Finisher

⚠ WARNING

1) **Be careful when unpacking using the crane or forklift. Do not to drop device, hit it against something, or turn it over on its side.**
2) **Perform unpacking where there is no dust or water leaking.**
3) **Do not place heavy objects which weigh 5 kg or more on device.**
4) **Be careful when lifting device with the forklift so device is well-balanced on the arms of the lift. Also put the packing (cushion) between device and forklift so device is not damaged.**
5) **Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device. Do not move device on unleveled floor. Do not tilt device 15 ° or more.**
6) **Choose the location to place device where the slope is less than 15 °. (Only left and right direction from view of operator's side.)**
7) **Choose the location to place device where there is no condensation.**

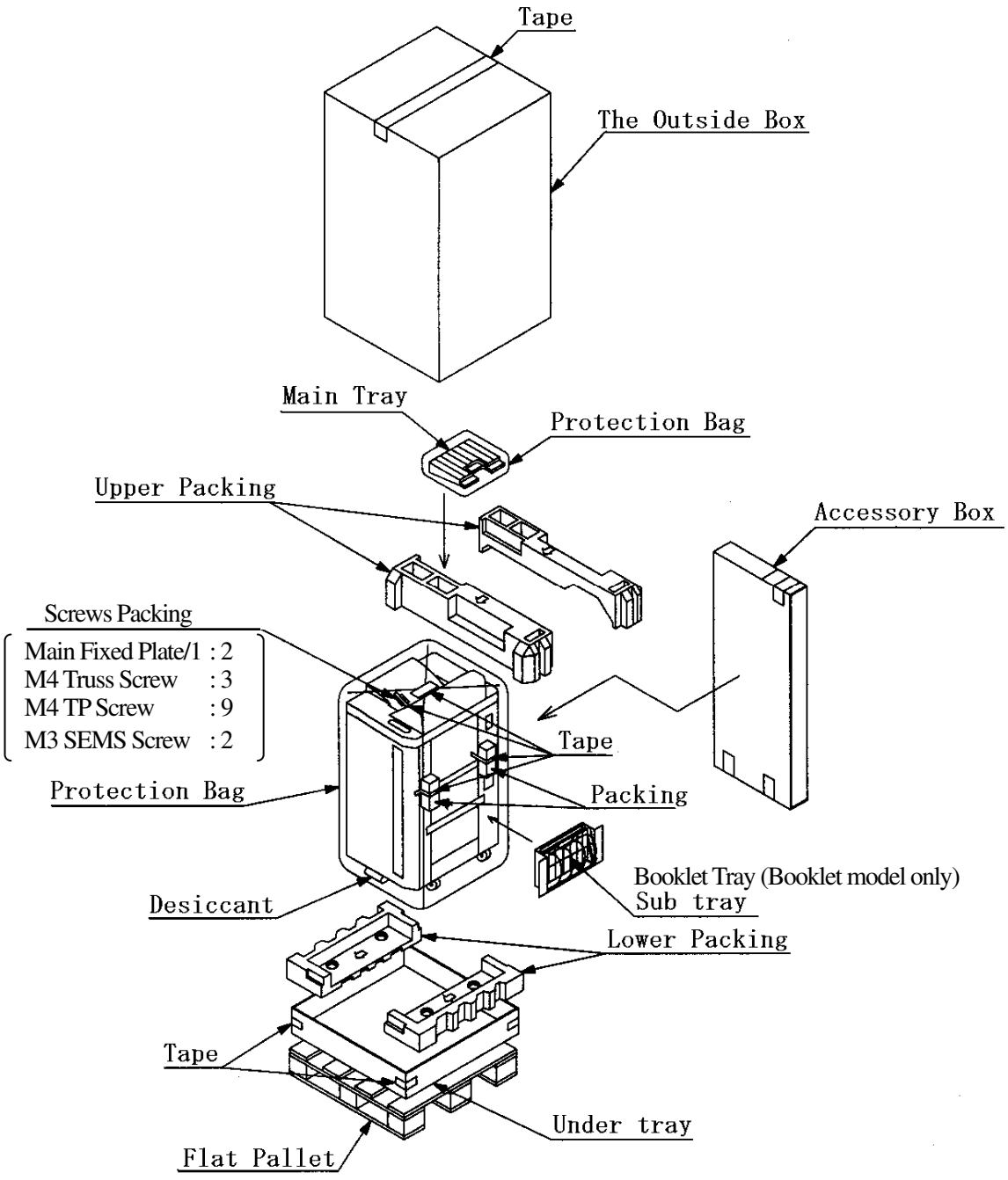
2.2.1 Components in the package

Table 2.3 Components in the package

Unit of Packing	Quantity
Finisher	1
Accessory Box	1

2.2.2 Unpacking Procedures

1) Cut the V Bands and remove the Outside Box.
2) Remove the two Upper packing, Accessory Box.
3) Remove the Tape of Protection Bag and take down the Protection Bag.
4) Carefully lift the Finisher by two persons and stand on Floor.



2.2.3 Parts Check in the Accessory Box

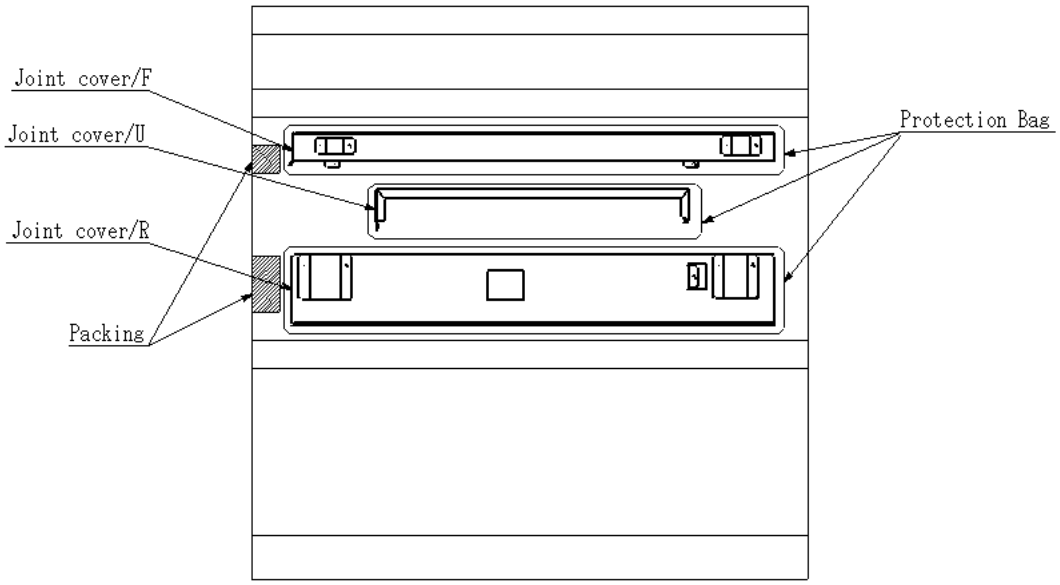


Table 2.4 Parts list in the Accessory Box

No.	Parts Name	Qty	Use
1	JOINT COVER /F	1	---
2	JOINT COVER /U	1	---
3	JOINT COVER /R	1	---

2.3 Unpacking of the High Capacity Hopper

⚠ WARNING

1) **Perform unpacking where there is no dust or water leaking.**
2) **Do not place heavy objects which weight 5 kg or more on device.**
3) **Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device. Do not move device on unleveled floor. Do not tilt device 15 ° or more.**
4) **Choose the location to place device where the slope is less than 15 °. (Only left and right direction from view of operator's side.)**
5) **Choose the location to place device where there is no condensation.**

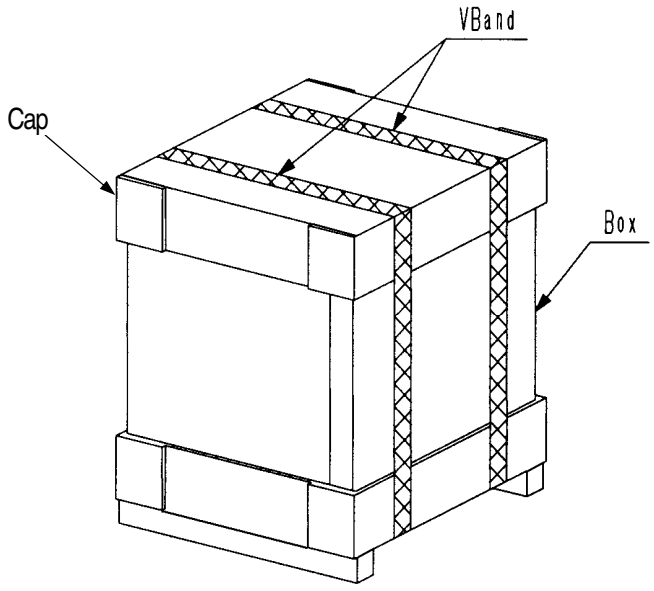
2.3.1 Confirmation of Parts Quantities

Table 2.5 Components in the package

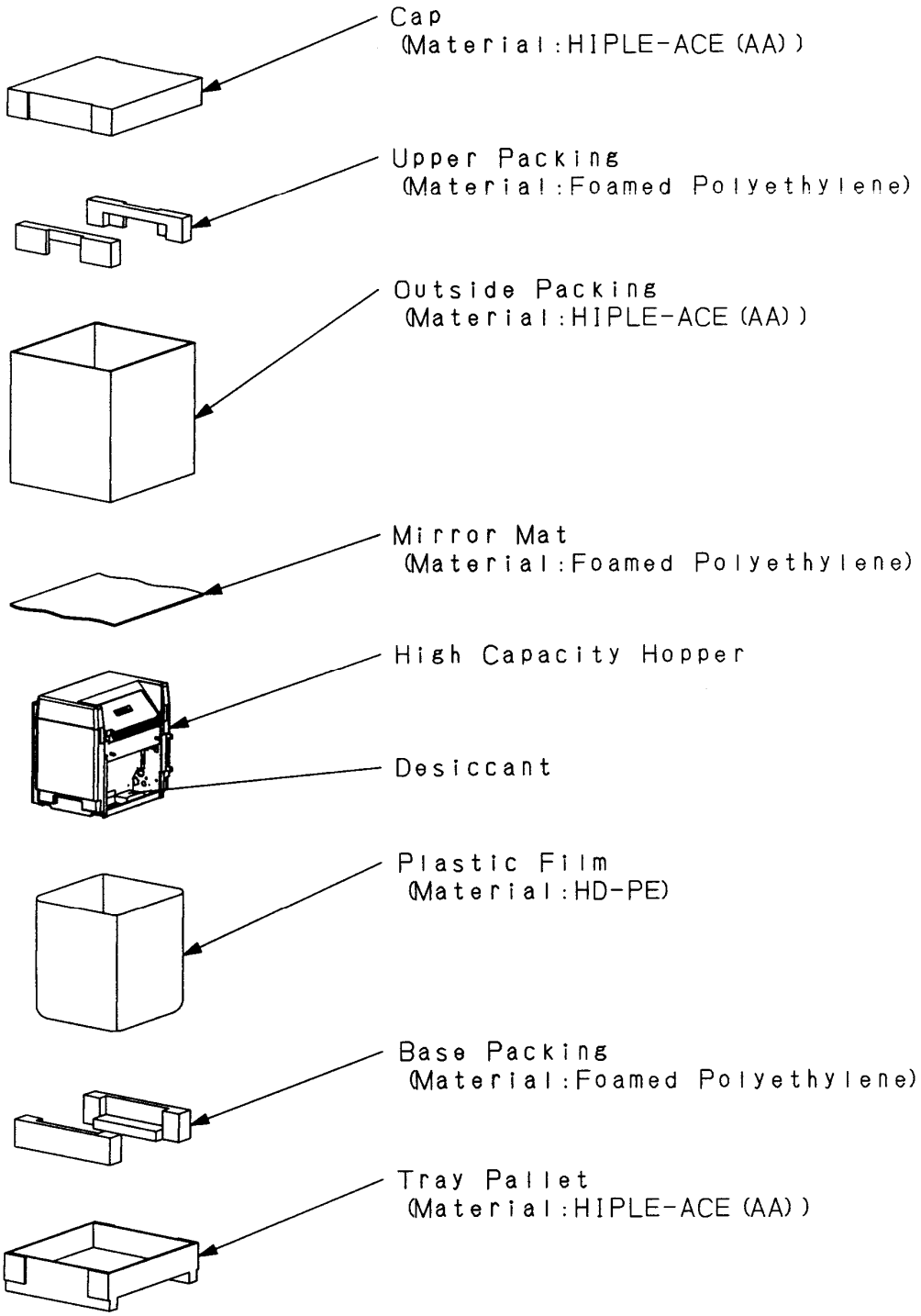
Unit of Packing	Quantity
High Capacity Hopper	1

2.3.2 Unpacking Procedures

1) Cut the V Bands and remove the Cap.



2) Remove the two Upper Packing, Outside Packing.
3) Remove the High Capacity Hopper.



2.4 Unpacking of the Container Stacker 1 or 2

⚠ WARNING

1) **Be careful when unpacking using the crane or forklift. Do not to drop device, hit it against something, or turn it over on its side.**
2) **Perform unpacking where there is no dust or water leaking.**
3) **Do not place heavy objects which weigh 5 kg or more on device.**
4) **Be careful when lifting device with the forklift so device is well-balanced on the arms of the lift. Also put the packing (cushion) between device and forklift so device is not damaged.**
5) **Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device. Do not move device on unleveled floor. Do not tilt device 15 ° or more.**
6) **Choose the location to place device where the slope is less than 15 °.**
7) **Choose the location to place device where there is no condensation.**

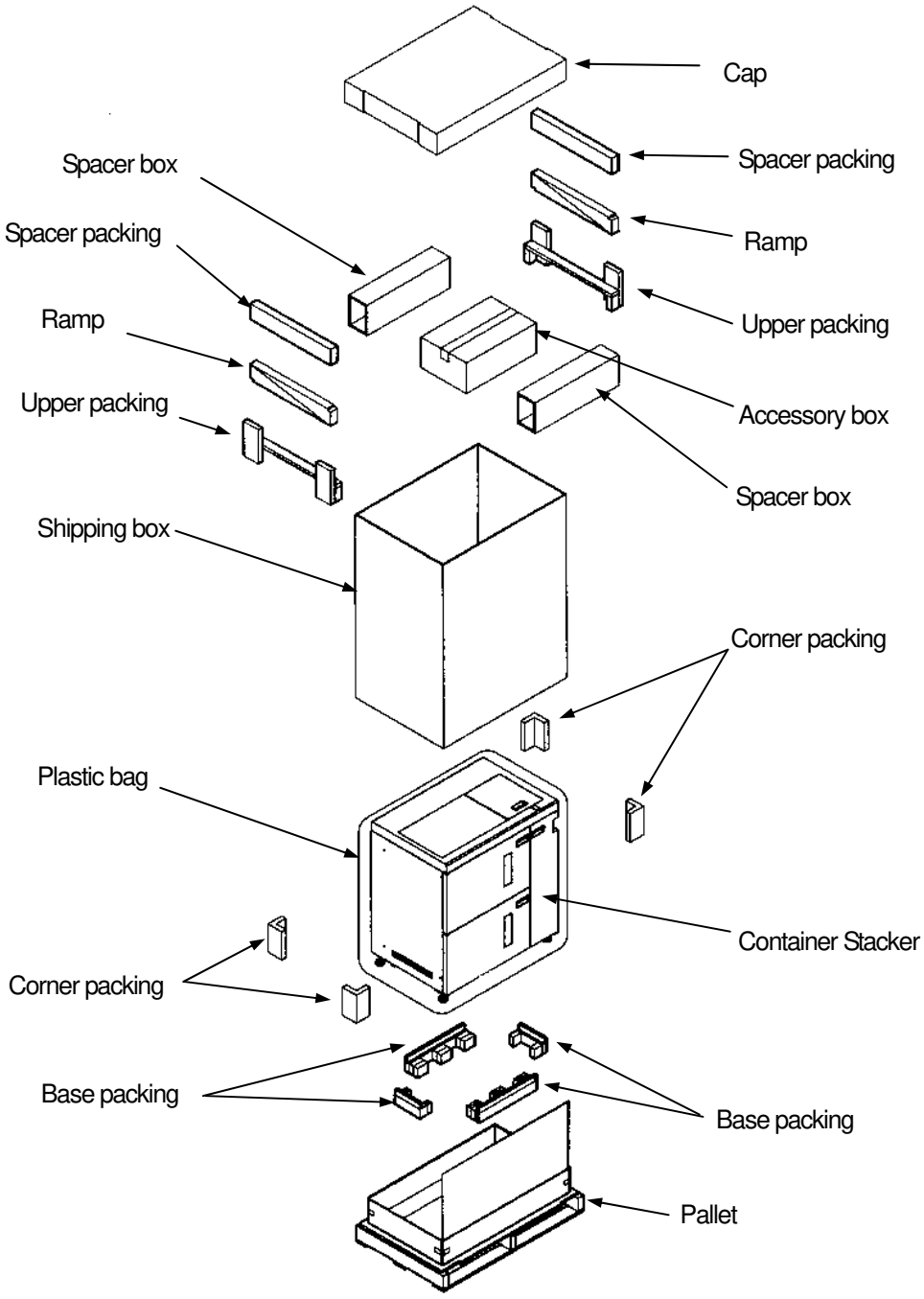
2.4.1 Confirmation of Parts Quantities

Table 2.6 Components in the package

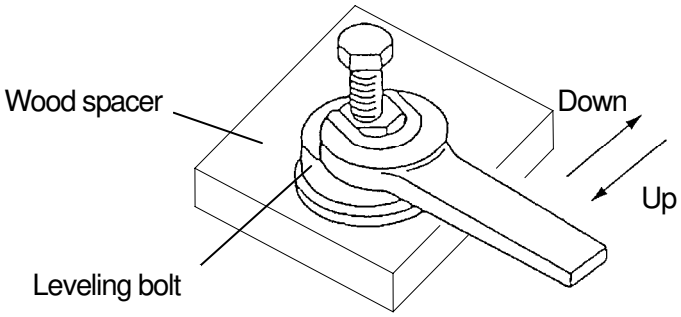
Unit of Packing	Quantity
Container Stacker 1 or Container Stacker 2	1
Accessory box	1

2.4.2 Unpacking Procedures

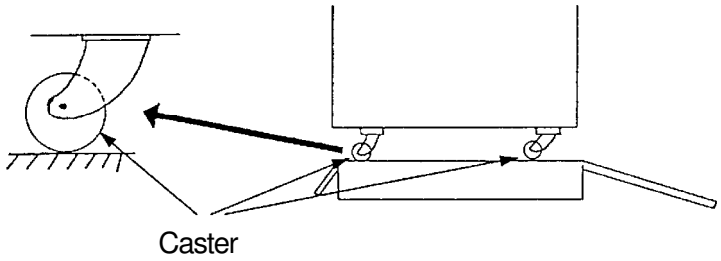
1) Remove the V band from the shipping box using a cutter and remove the cap.
2) Remove the accessory box, spacer box, spacer packing, ramp, and upper packing.
3) Remove the shipping box, P.P band and four corner packing.
4) Peeling off the adhesive tapes, remove the plastic bag.
5) Cut the tape for corner on pallet, and push down the side of pallet to outside.



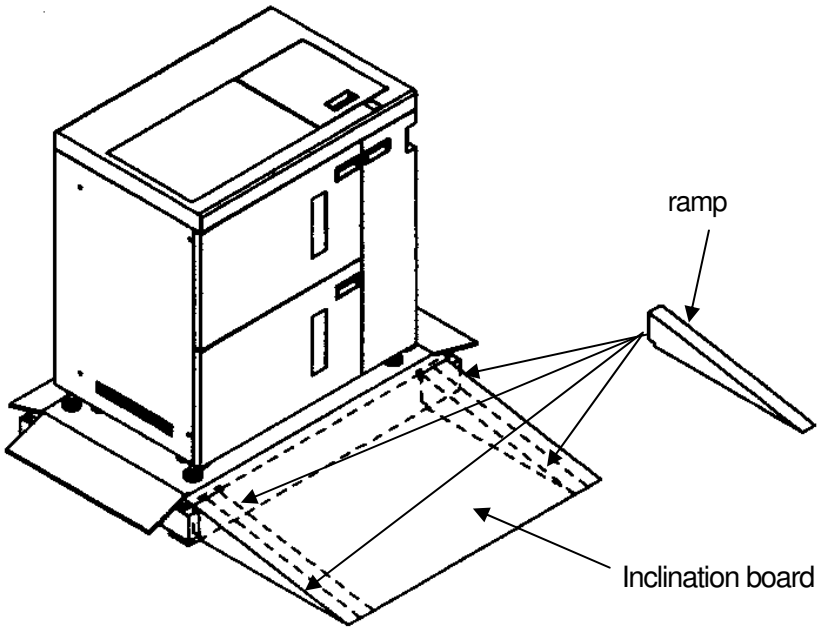
6) Remove the tape for leveling bolt, and take out four wood spacers from accessory box, it puts on the bottom of leveling bolts (under plastic bag), turned the leveling bolt by using the Adjustable Open End Wrench, and raised the Container Stacker.
7) Remove the four base packing.



8) Turned the all casters in the same direction.



9) Install the ramp to the bottom of an inclination board. (Ramp is two pieces to both sides).



10) Raised the leveling bolt and remove the wood spacer.
11) Carefully lift down the Container Stacker on the floor.

2.4.3 Parts Check in the Accessory Box

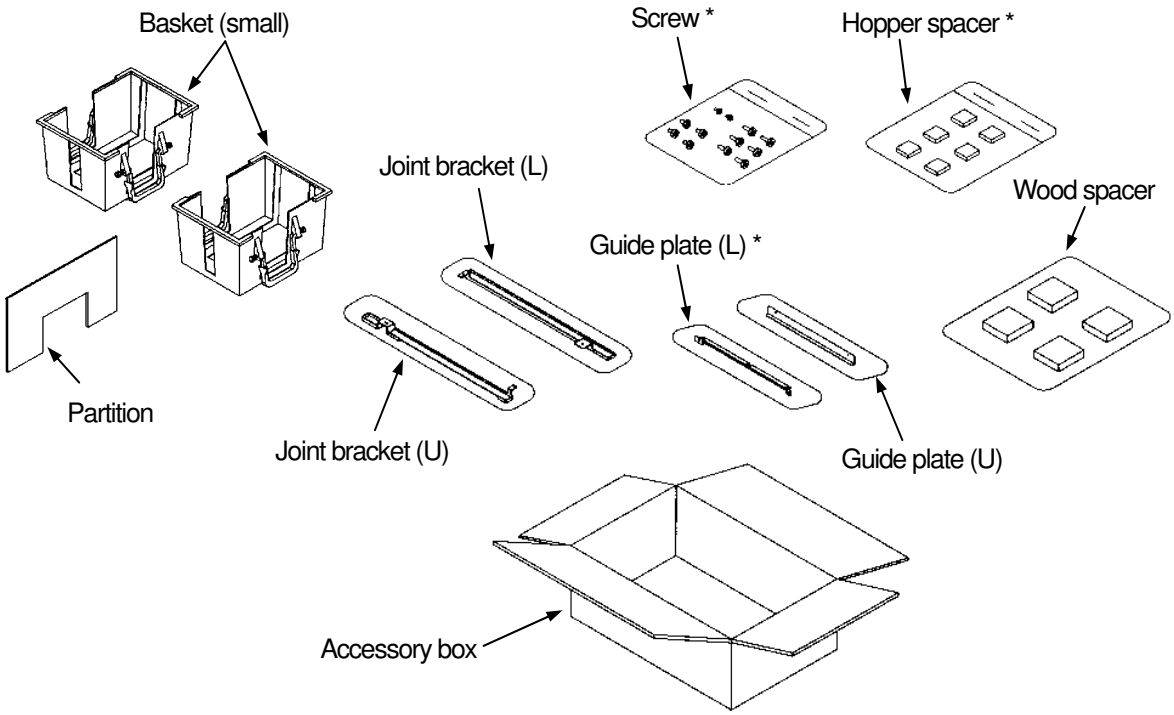


Table 2.7 Parts list in the Accessory Box

No.	Parts Name	Qty	Note
1	JOINT BRACKET (L)	1	
2	JOINT BRACKET (U)	1	
3	GUIDE PLATE (L)	1	
4	GUIDE PLATE (U)	1	
5	BASKET (SMALL)	2	
6	HOPPER SPACER	6	
7	WOOD SPACER	4	
8	SCREW	12	(1) M3 x 8 2 pieces (2) M4 x 8 4 pieces (3) M4 x 12 6 pieces

[Note]

In the case of composition of that the Container Stacker 1 and 2 connect, the Hopper Spacer and the Guide plate (L) and the two M3 x 8 Screws in one of the two Accessories are not used.

2.5 Unpacking of the Cover Sheet Feeder

(Use only FS-108H & FS-108HBM. No RoHS Compliance Unit)

⚠ WARNING

Perform unpacking where there is no dust or water leaking.

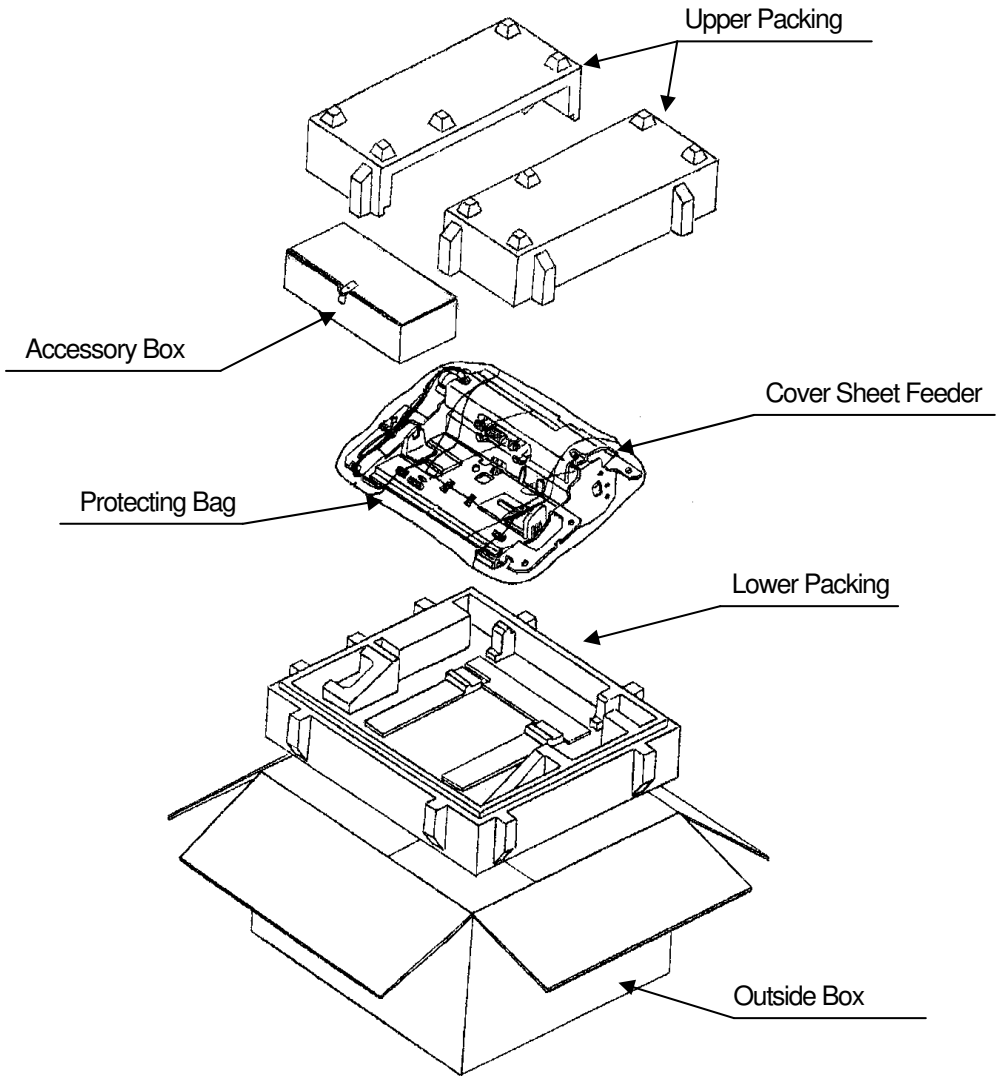
2.5.1 Components in the package

Table 2.8 Components in the package

Unit of Packing	Quantity
Cover Sheet Feeder	1
Accessory Box	1

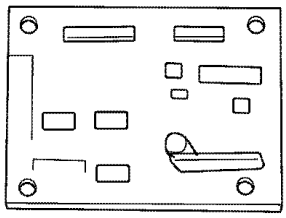
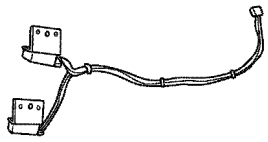
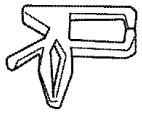
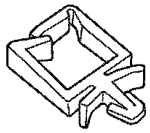
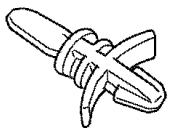
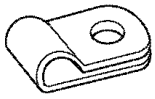
2.5.2 Unpacking Procedures

1) Remove the Outside Box.
2) Remove the two Upper packing, Accessory Box.
3) Remove the Tape of Protection Bag and take down the Protection Bag.



2.5.3 Parts Check in the Accessory Box

Table 2.9 Parts list in the Accessory Box

No.	Name	Shape	Quantity
1	PI-108H P/K		1
2	Pre sensor assay		1
3	Guide axis		1
4	Miniclamp		2
5	Locking wire saddle		5
6	Locking stopper		4
7	Nylon clamp		3
8	M3 x 8 Tapping screw with washer		5
9	M4 x 6 TP screw		6

2.6 Unpacking of the Transit Pass Unit Type DDP

WARNING

1) **Perform unpacking where there is no dust or water leaking.**
2) **Do not place heavy objects which weight 5 kg or more on device.**
3) **Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device.**
4) **Choose the location to place device where there is no condensation.**

2.6.1 Confirmation of Parts Quantities

Table 2.9 Components in the package

Unit of Packing	Quantity
Transit Pass Unit Type DDP	1

2.6.2 Confirmation of the Accessories Parts

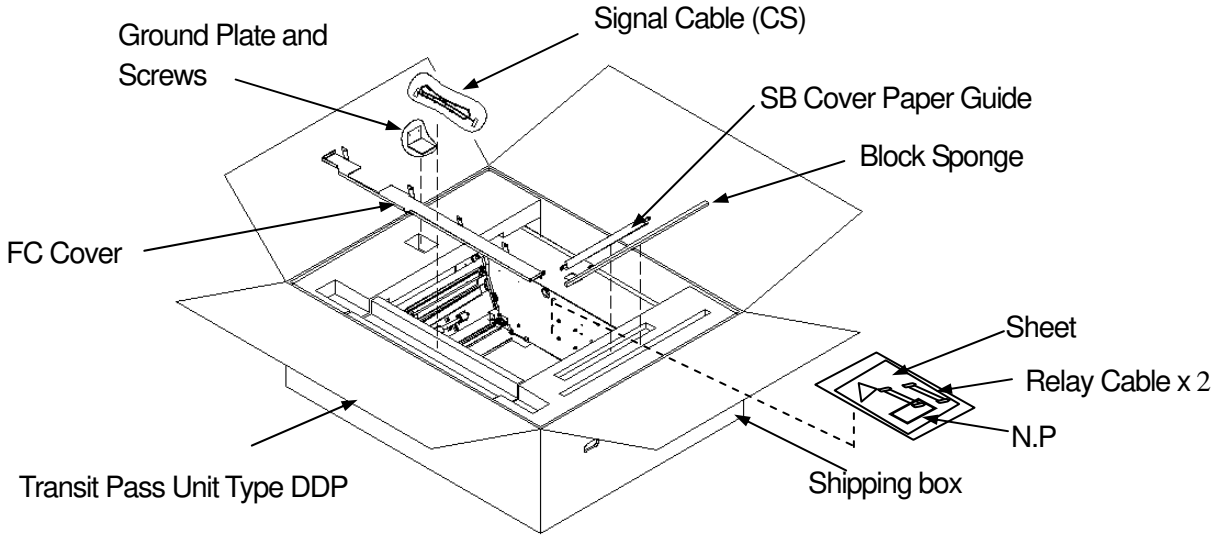
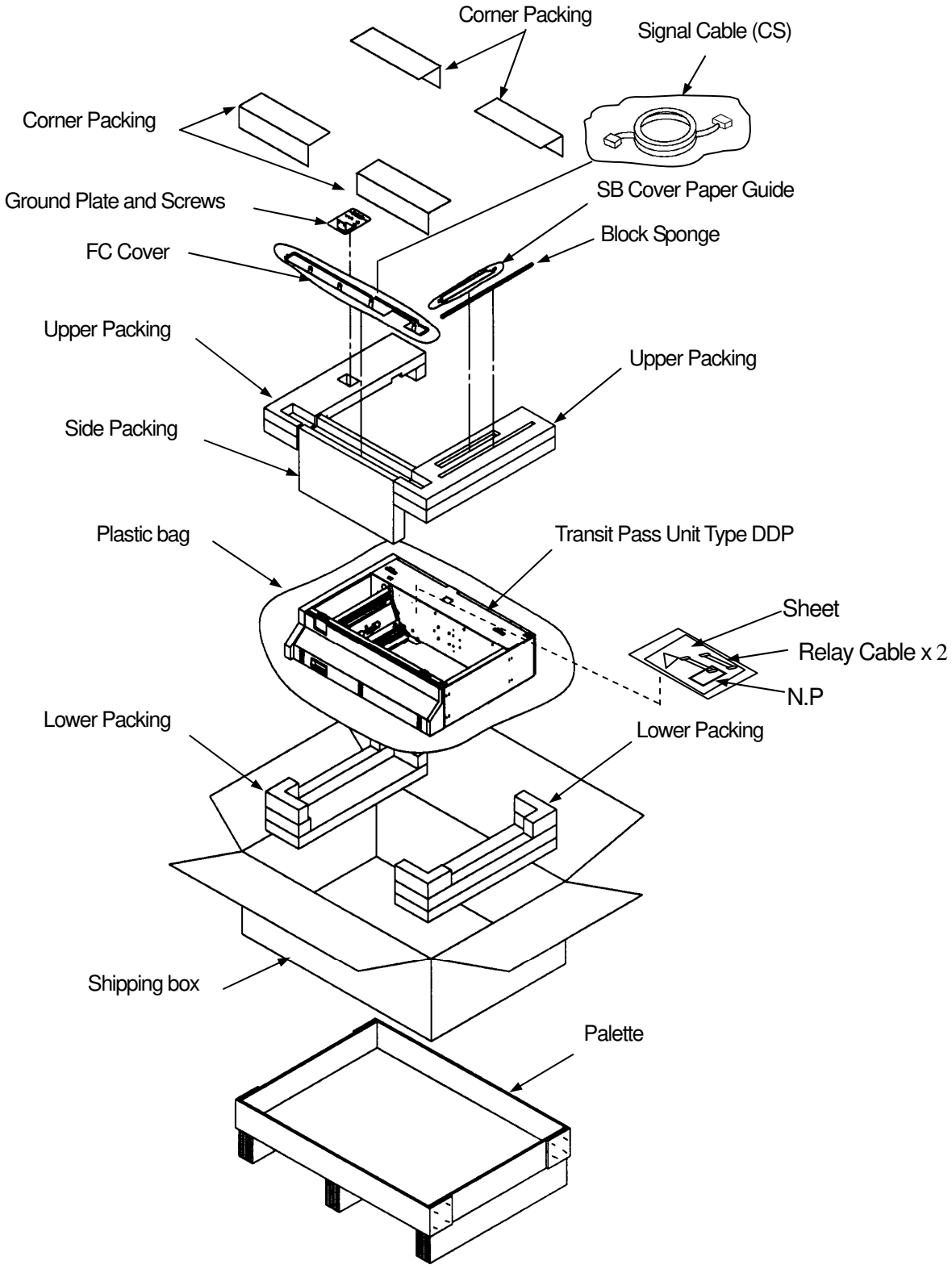


Table 2.10 List of the Accessories Parts

Unit of Packing	Quantity
Ground Plate	1
FC Cover	1
SB Cover Paper Guide	1
M4x10 Tapping Screw	4
M4x8 Screw	6
M3x6 Screw	2
Block Sponge	1
Signal Cable (CS)	1
N.P	1
Relay Cable	2
Sheet	1

2.6.3 Unpacking Procedures

1) Open the Shipping box.
2) Remove the Accessories parts and two Upper Packing.
3) Remove the Transit Pass Unit Type DDP.



2.7 Unpacking of the Finisher SR5000

WARNING

1) Perform unpacking where there is no dust or water leaking.

2) Do not place heavy objects which weight 5 kg or more on device.

3) Observe the speed limit of 300 mm/sec. (1.08 km/hr) when moving device.

4) Choose the location to place device where there is no condensation.

2.7.1 Confirmation of Parts Quantities

Table 2.11 Components in the package

Unit of Packing	Quantity
Finisher SR5000	1

2.7.2 Unpacking Procedures

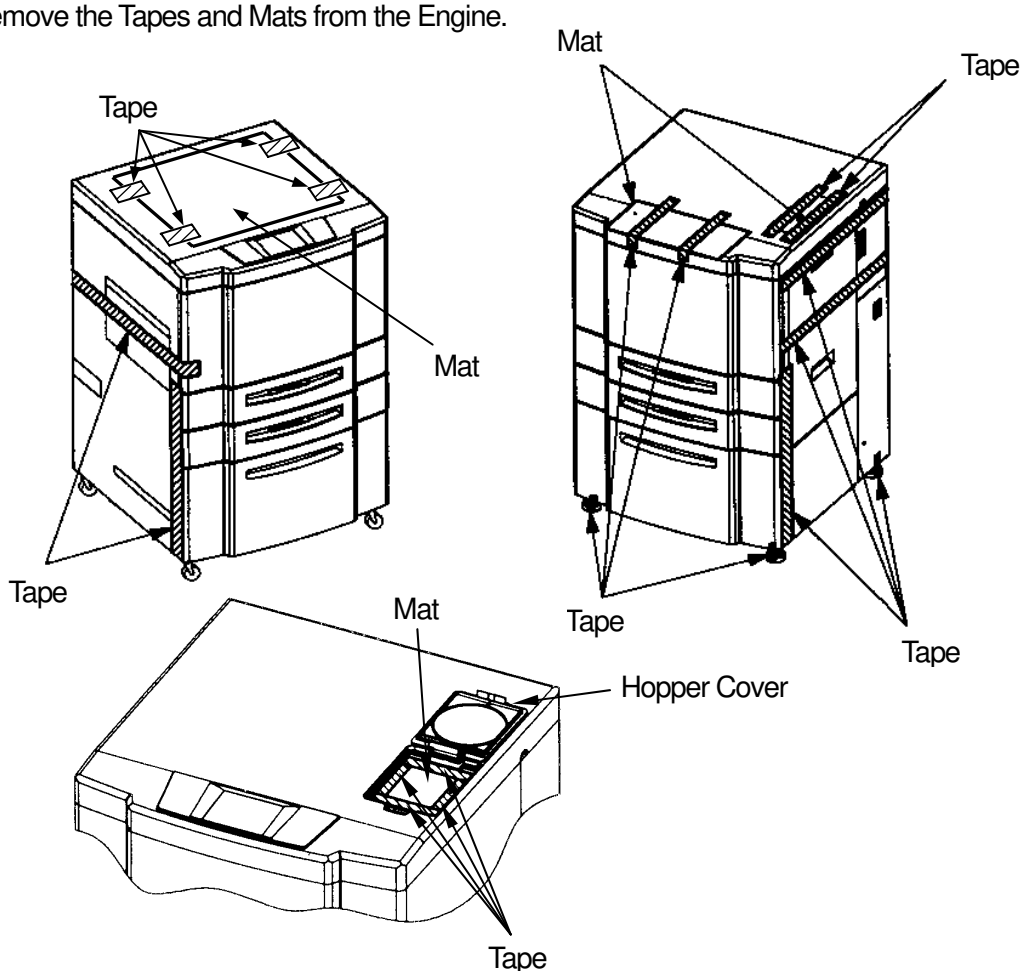
1) According to the Unpacking Procedure of the Finisher SR5000.

Chapter 3. Preparation for Installation

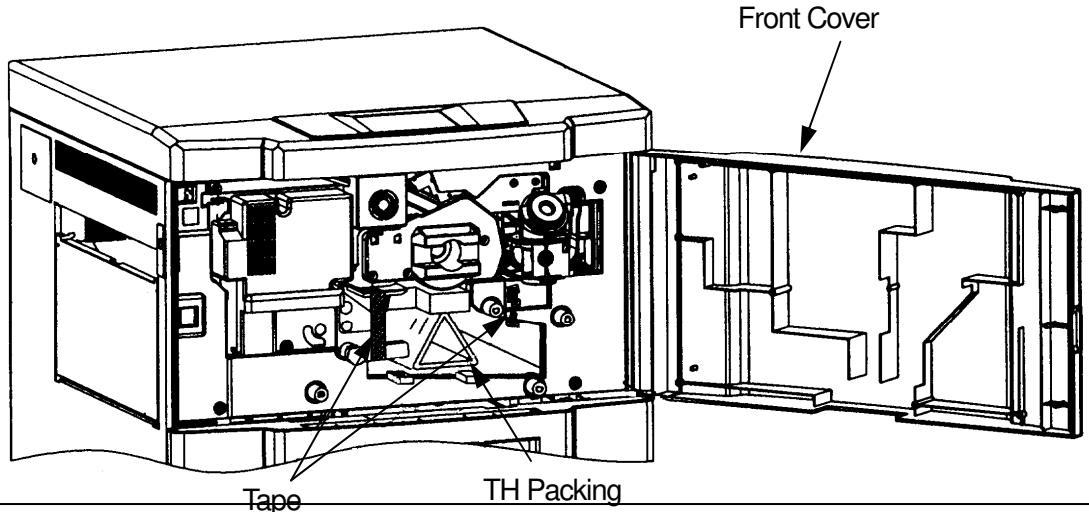
3.1 Preparation for Installation of the Printer

3.1.1 Removing the Protection Tape and Mat from the Engine

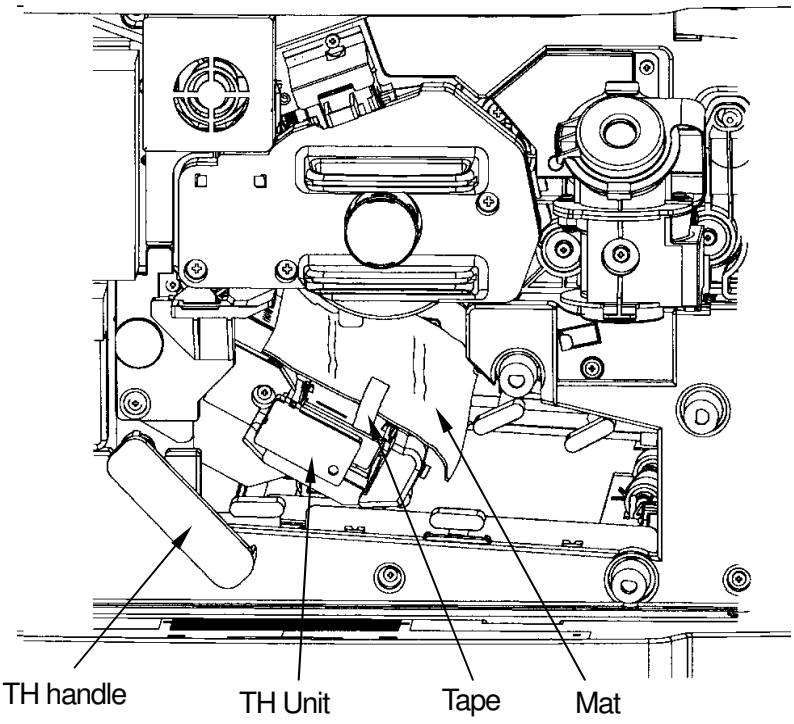
1) Remove the Tapes and Mats from the Engine.



2) Open the Front Cover.
3) Remove the Tapes and TH Packing.



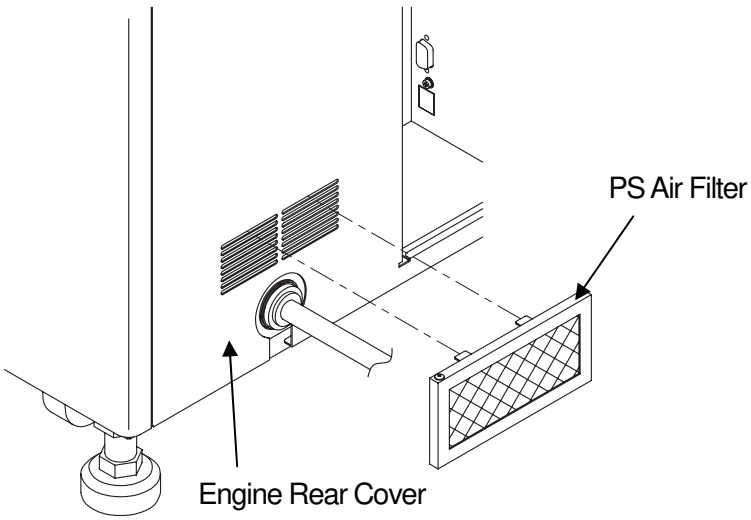
4) Turn the TH handle clockwise to open the TH Unit.
5) Remove the Tapes and Mat.



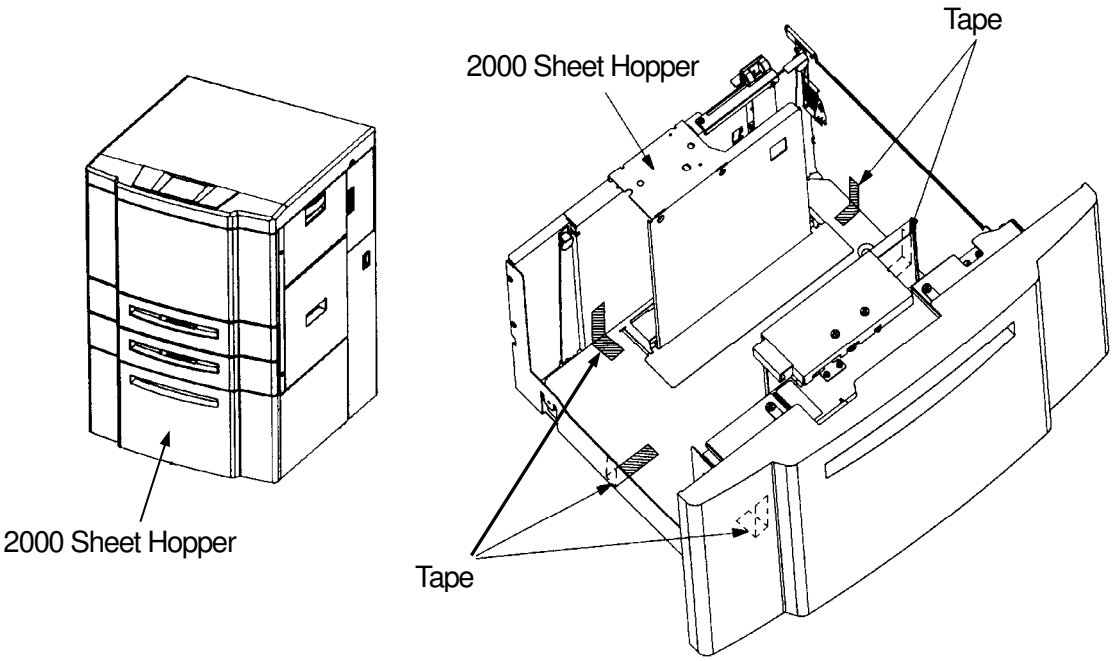
6) Turn the TH Handle counterclockwise to close the TH Unit.

3.1.2 Set the PS Air Filter for the Engine Rear Cover

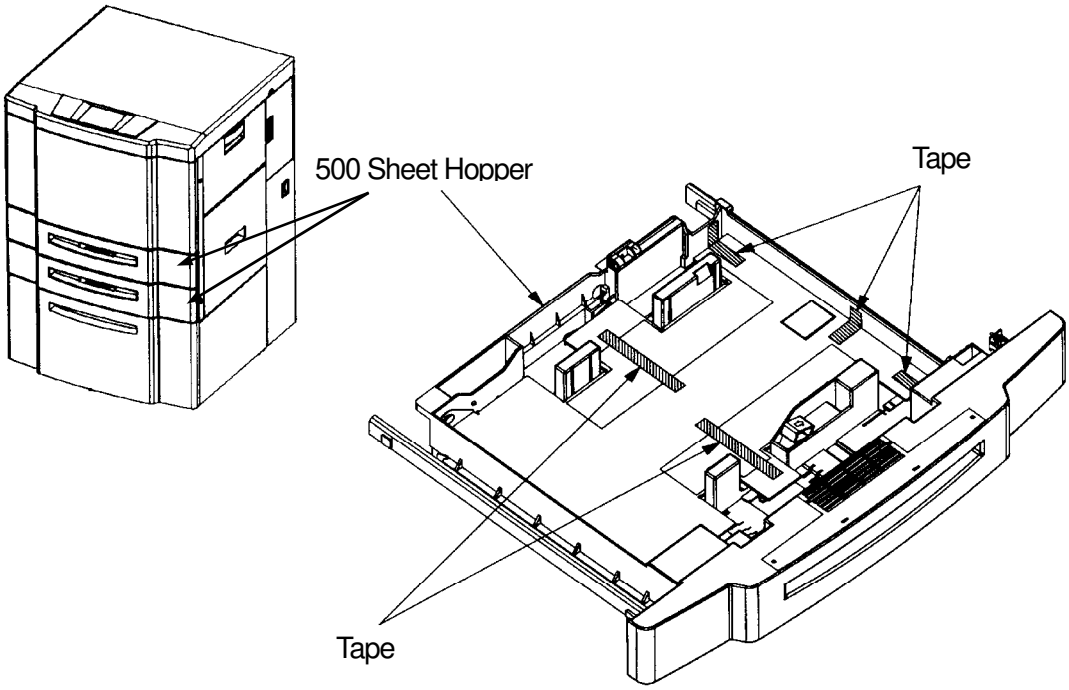
1) Take out the PS Air Filter from Accessory Box.
2) Install the PS Air Filter to Engine Rear Cover.(Refer to shown below)



3.1.3 Removing the Protection Tape from 2000 Sheet Hopper.

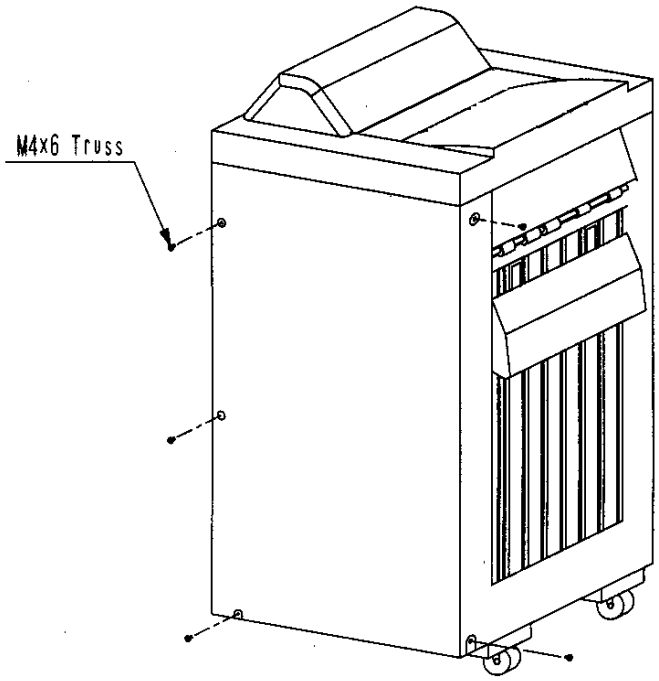


3.1.4 Removing the Protection Tape from 500 Sheet Hopper ; 2 portion

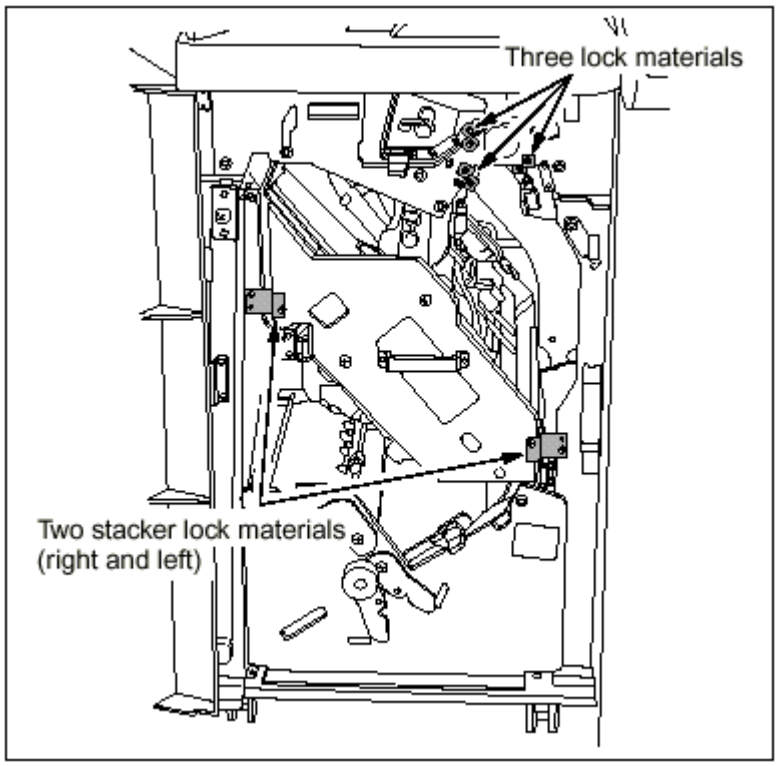


3.2 Preparation for Installation of the Finisher

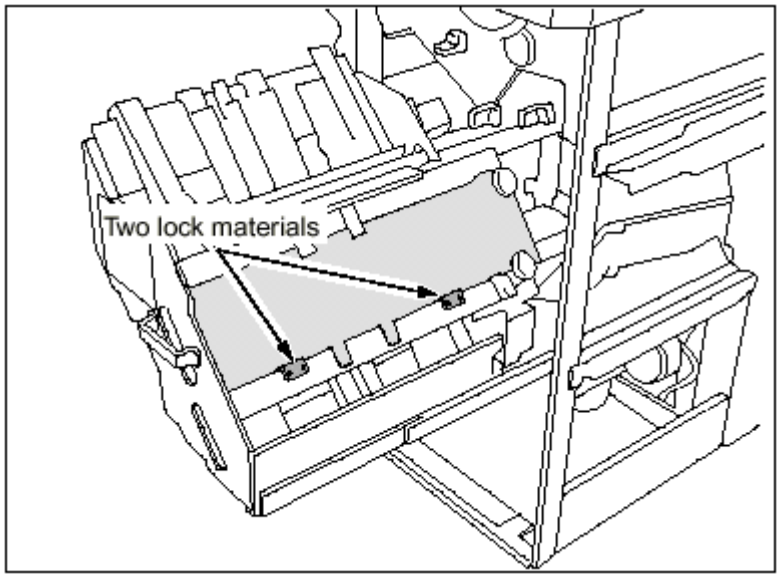
1) Unscrew the five screws to remove the Rear cover of the Finisher.



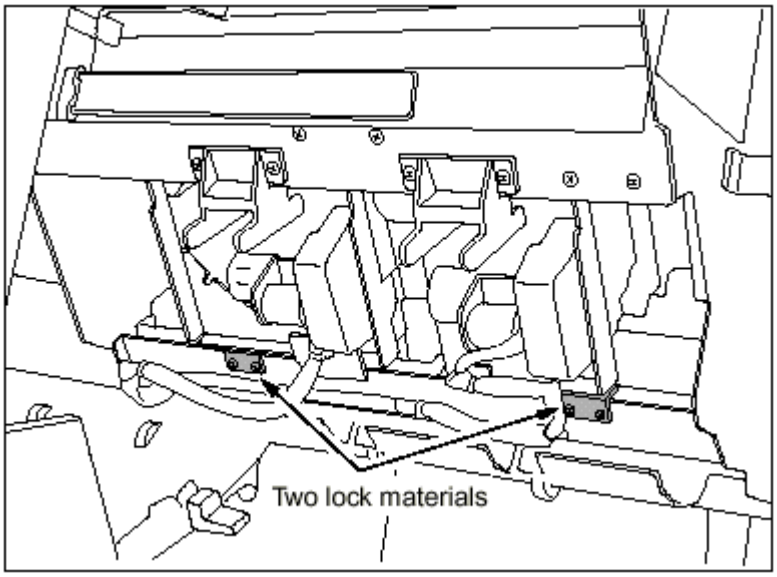
2) Remove three lock materials from each guide plate.
3) Remove two stacker lock materials (right and left).



4) Remove two lock materials inside the stacker (on the side to be joined to the main body).



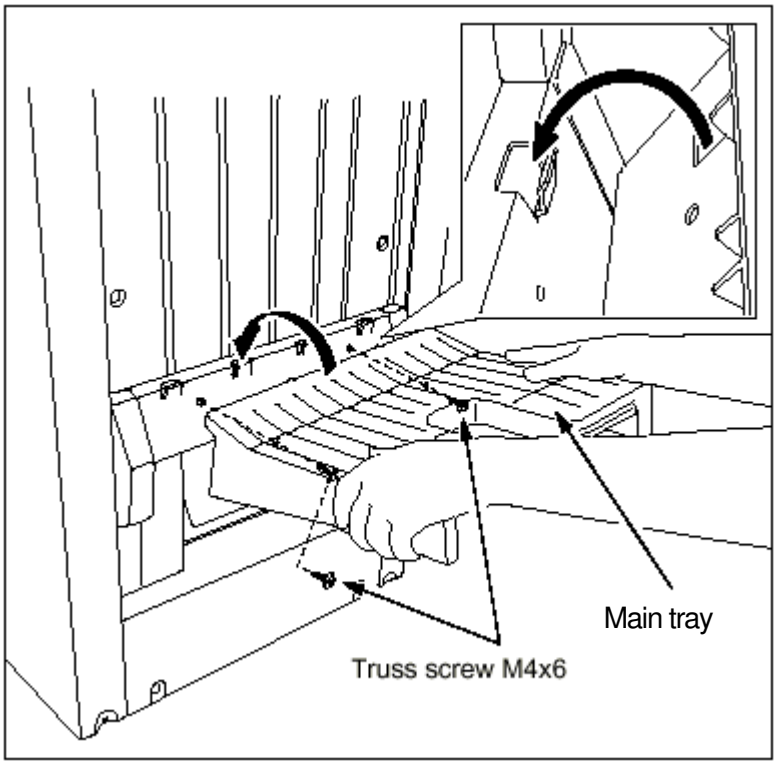
5) Remove two lock materials inside the stacker (lower).



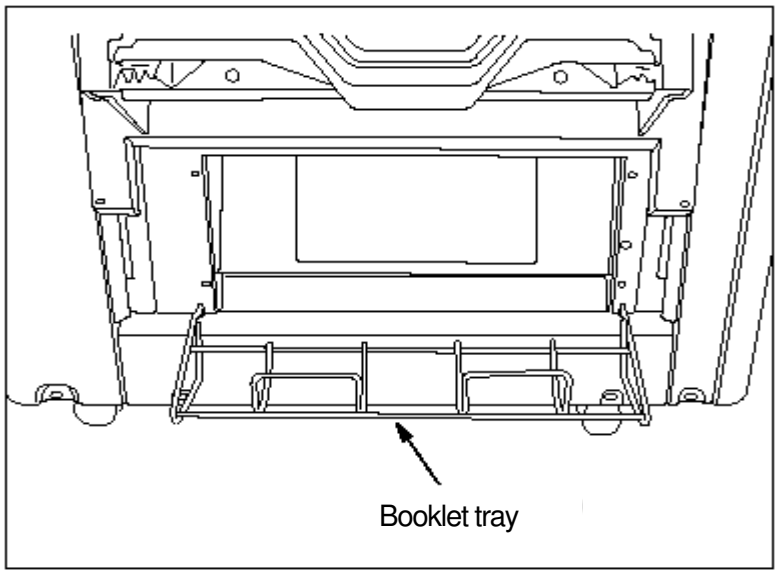
6) Install the Main tray on the up-down portion (paper exit side) of the Finisher.
(Truss screw M4x6: 2)

CAUTION

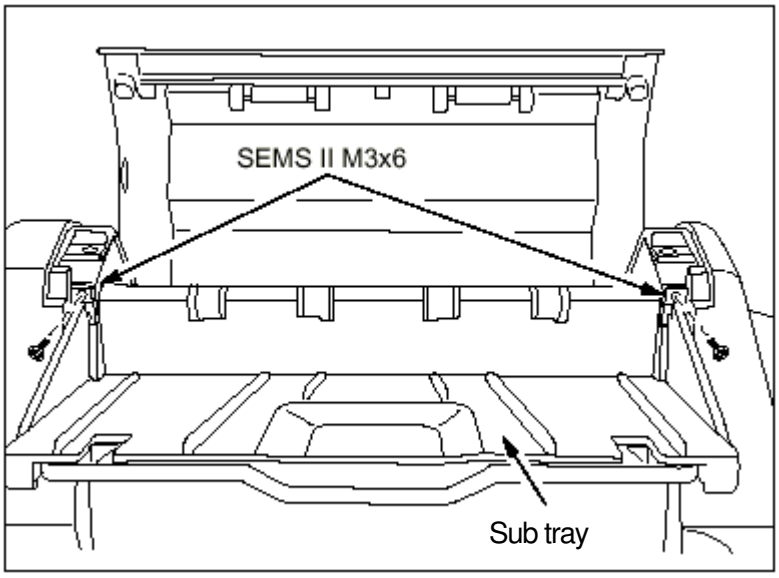
When installing the Main tray, fit the four auxiliary fittings to the guide holes of the Main tray before fixing screws.



7) Install the paper exit tray (lower) on the lower up-down portion (paper exit side) of the Finisher.
(Use only FS-108HBM. No RoHS Compliance Unit)

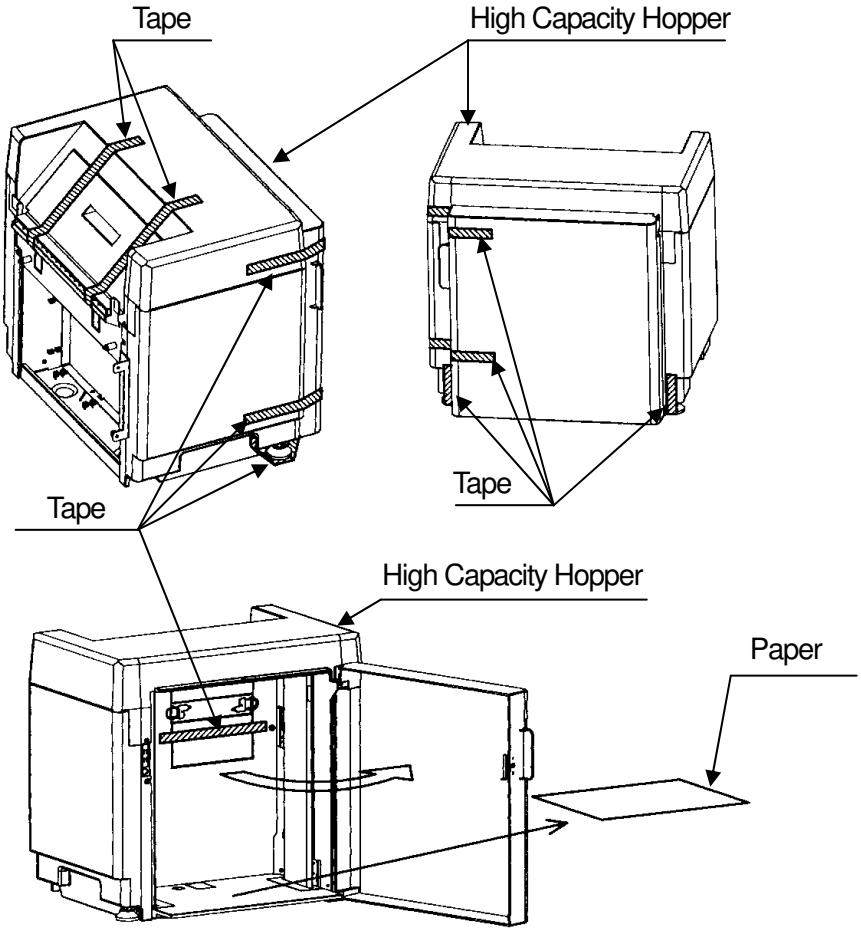


8) Install the Sub tray on the secondary exit portion, then fix it with screws. (SEMS II M3x6: 2)

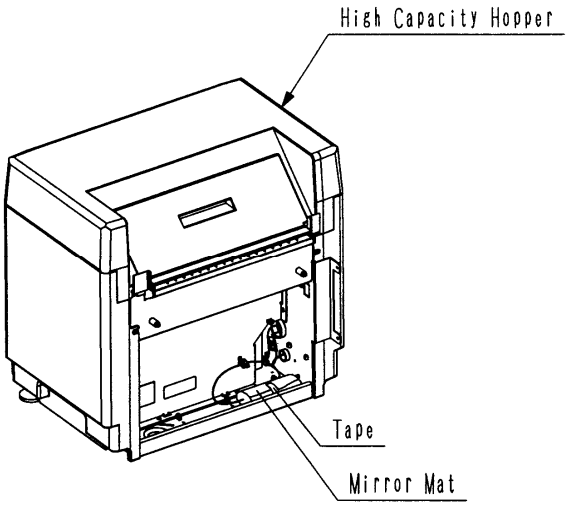


3.3 Preparation for Installation of the High Capacity Hopper

1) Remove the Protection Tapes from the High Capacity Hopper.
2) Remove the Paper.



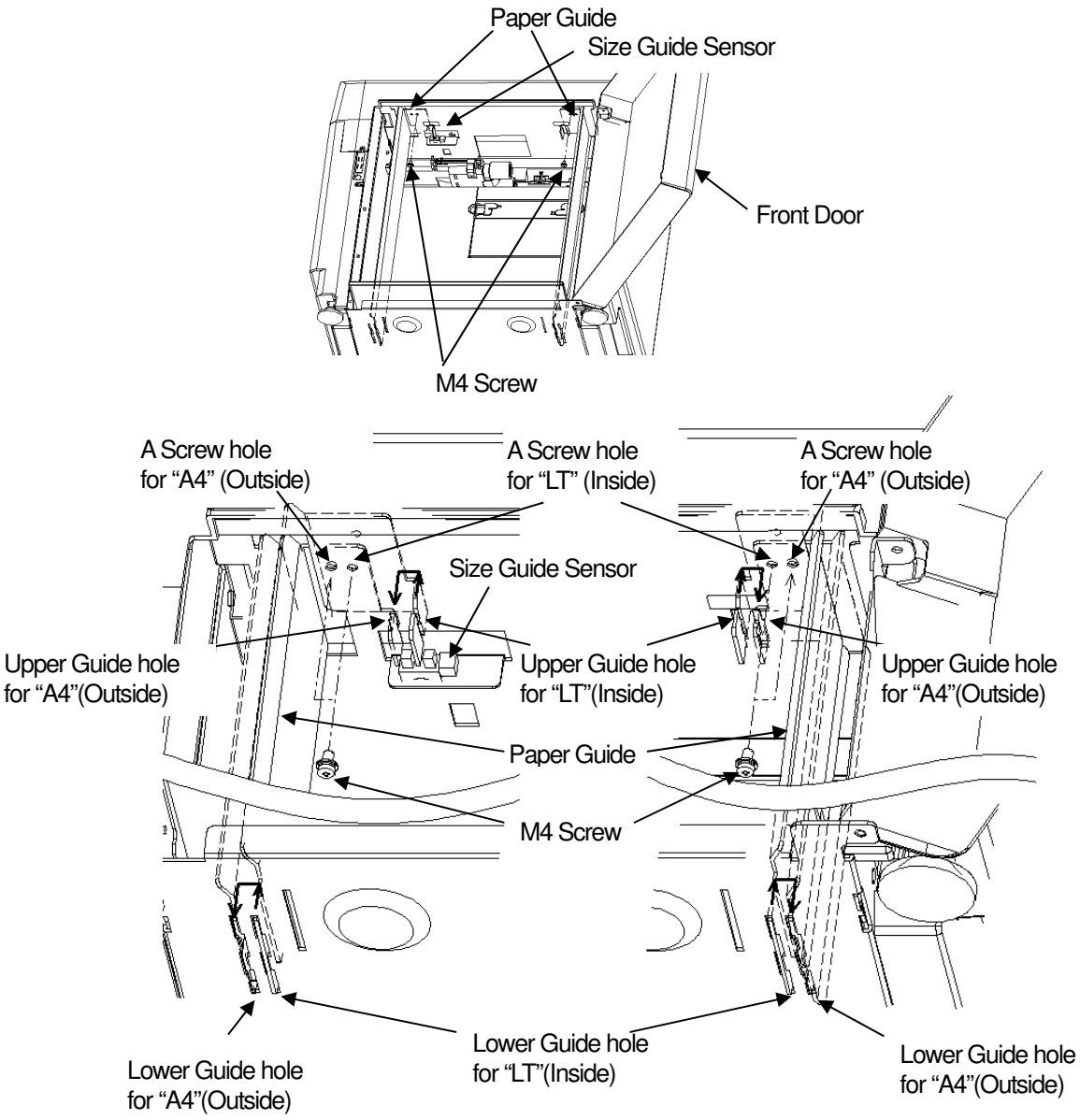
3) Remove the Protection Tape and Mirror Mat from the High Capacity Hopper.



4) Confirm the Paper Guide position of the High Capacity Hopper. (LT or A4)
Usually, Paper Guide position is set in “LT” at the shipment. When the customer wish to use the High Capacity Hopper in A4 paper, change the Paper Guide position according to the following steps.

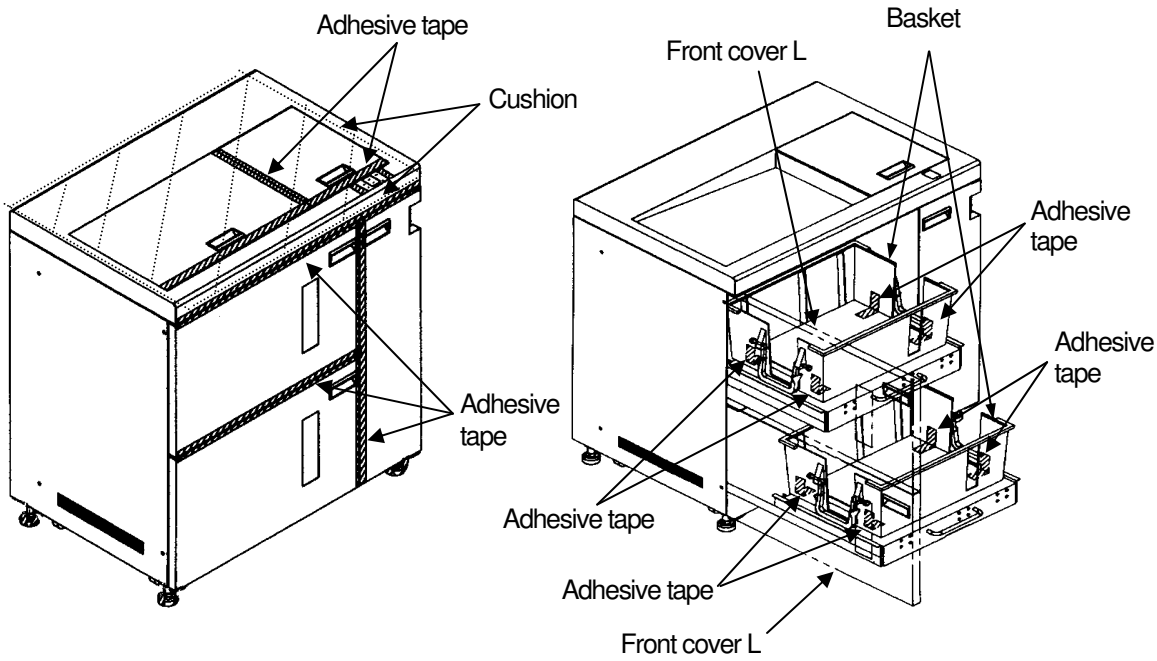
[Change procedure of the Paper Guide Position]

1. Open the Front door, and remove two M4 Screws.
2. Lift up the Paper Guide and move to the outside.
3. Insert the upper and lower of the Paper Guide to a Guide hole for“A4”. At that time, the Paper Guide is outside of the Size Guide Sensor.
4. Fix the M4 Screw in a Screw hole for “A4”.



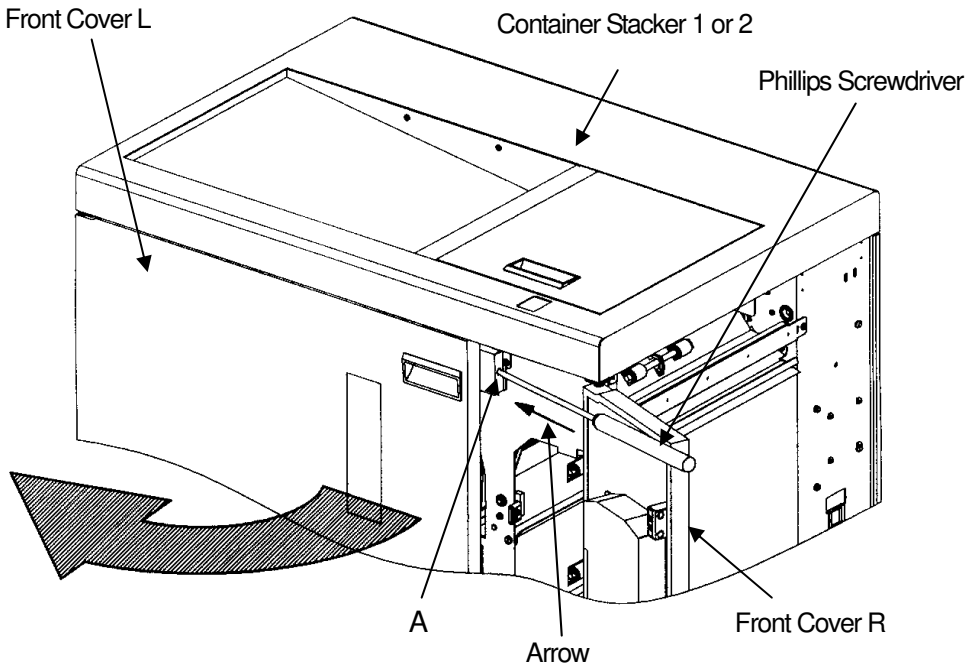
3.4 Preparation for installation of the Container Stacker 1 or 2

1) Peel off the Protection Tapes and cushion from the Container Stacker 1 or 2.
2) Open the Front Cover L and peel off the Protection Tapes.
3) Peel off the mat under the Basket.



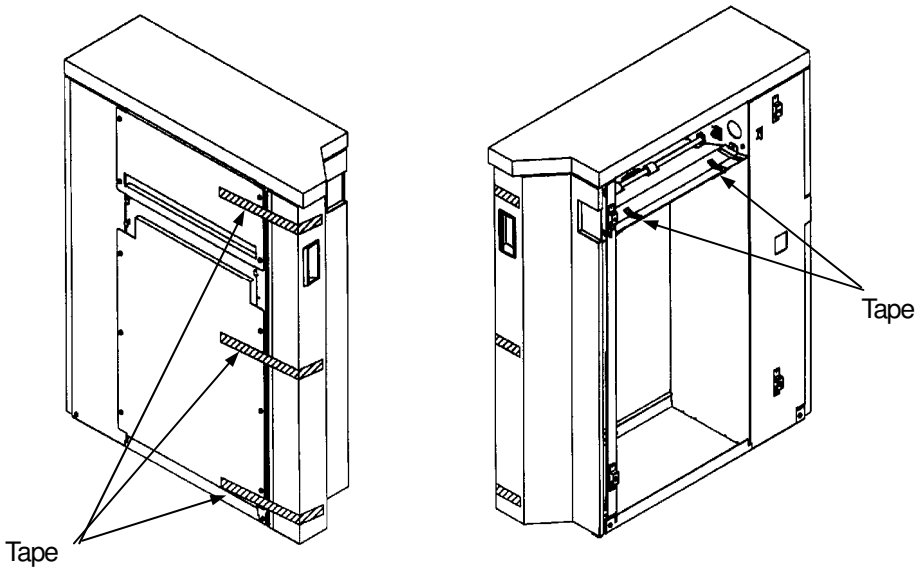
< Opening procedure of the Front Cover L >

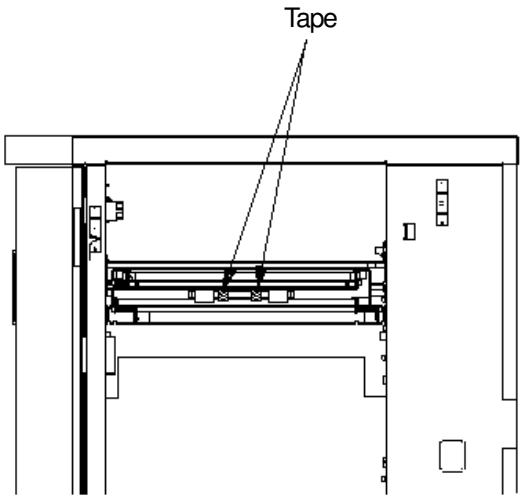
1) Open the front cover R.
2) Push A section in the direction of the arrow with Philips screwdriver and open the front cover L.



3.5 Preparation for installation of the Transit Pass Unit Type DDP

1) Remove the Protection Tapes from the Transit Pass Unit Type DDP.





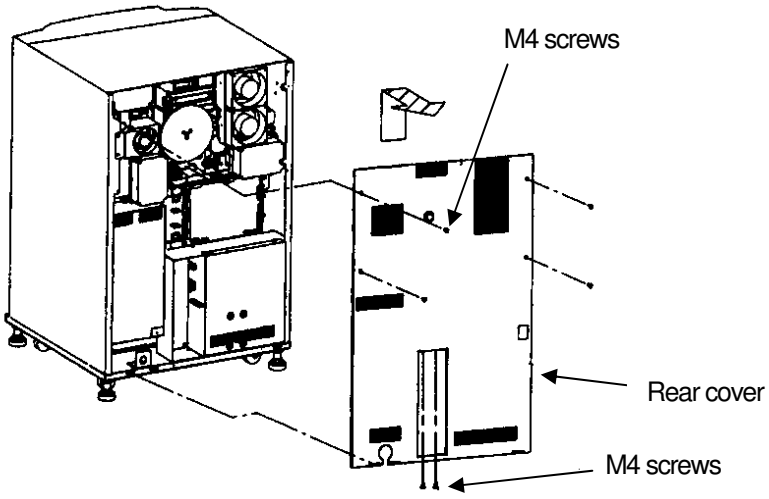
Chapter 4. Installation

4.1 Installation in the composition of the Printer and Finisher / Finisher SR5000

CAUTION

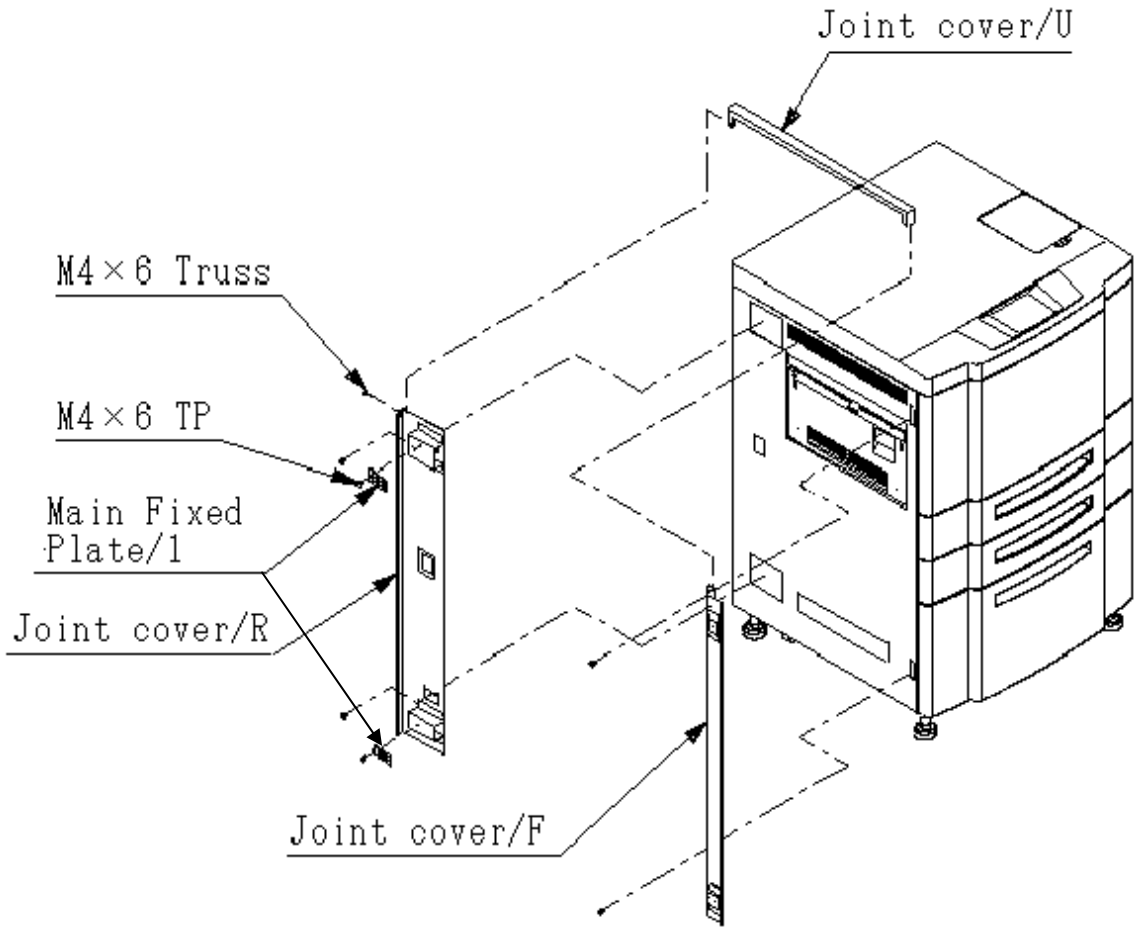
Don't install the Printer in any place where it will be subjected to direct sunlight since it may cause adverse effects on performance of the Printer.

1) Releasing the Rear Cover
   (7) Unscrew the six M4 Screws.
   (8) Unhook the bottom of the Rear Cover and release the Rear Cover.
   (Release the Rear Cover by lifting up and pulling forward.)



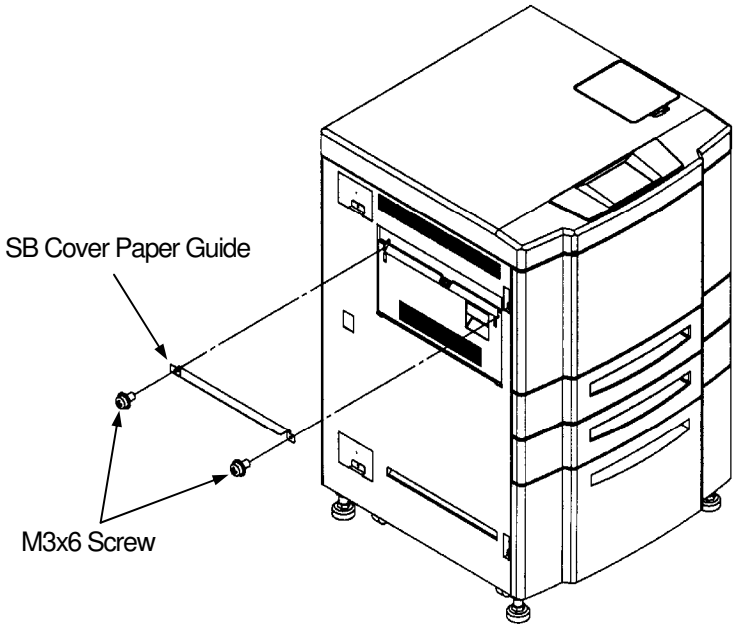
[FS-108H/FS-108R]

2) Install the Joint cover/U, Joint cover/F, and the Joint cover/R. and install the Main Fixed plate/1.



[Finisher SR5000] with Transit Pass Unit Type DDP

3) Install the SB Cover Paper Guide to the Printer.



4) Connecting the Power Supply Cable

Please connect the cable according to this procedure when you use cables other than the cable appended to the machine.

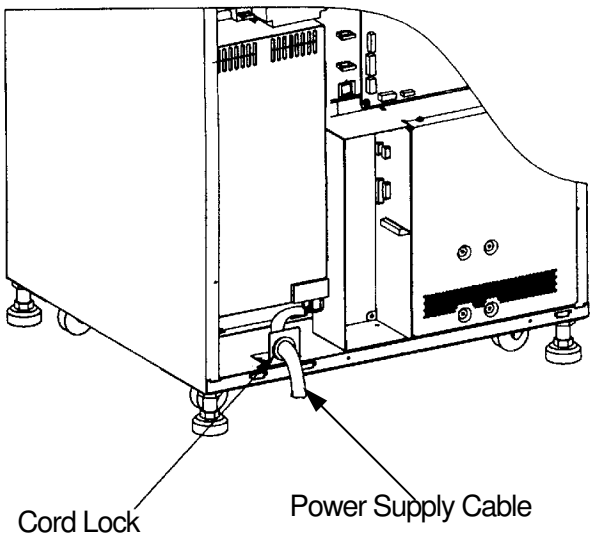
(1) Put the Power Supply Cable and put it through the Cord Lock and pull it out of the Terminal Block.
(2) Connect the Power Supply Cable to the Terminal Block and chassis.
(3) Fasten the Power Supply Cable by the Cord Lock.

⚠ WARNING

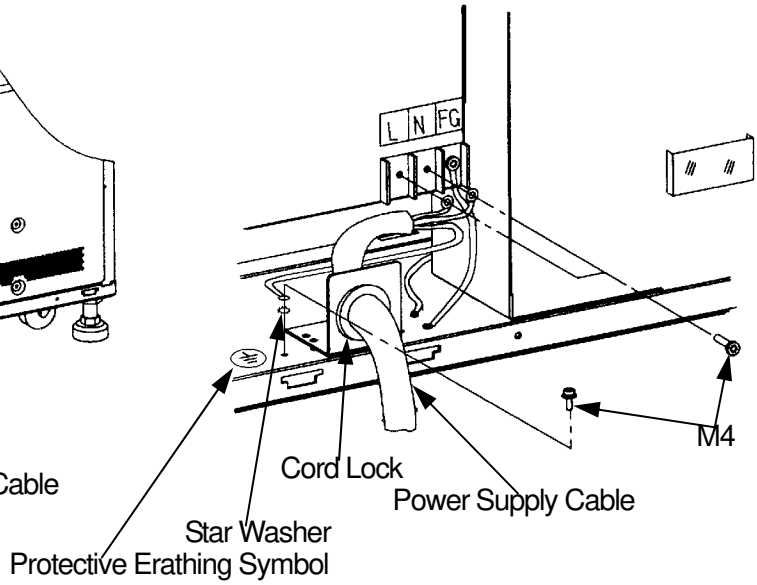
1) The voltage is constantly in unless the machine is unplugged or Breaker Switch is turned off.

2) Unplug the Power Supply Cable prior to connecting the power supply source.

3) Be careful not to have other personnel plug in the power cable while performing the connecting.



Rear internal view of Printer



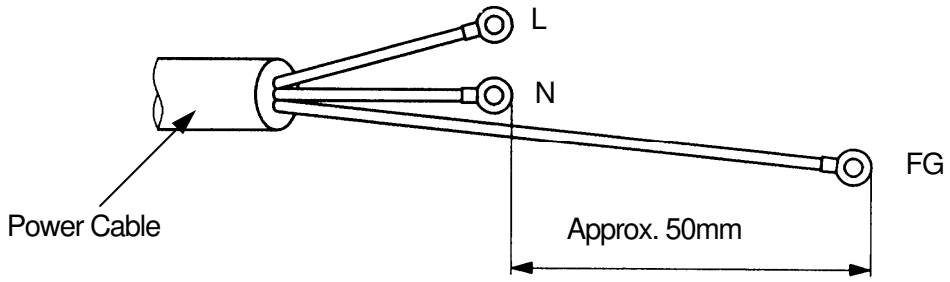
View of Power Supply

⚠ WARNING

1) **Unplug the Power Supply Cable prior to connecting.**
2) **Be careful not to have other personnel plug in the power cable while performing the connecting.**
3) **Be sure to use power supply cable which complies with the following specification :**

   Power plug rating ;Min. AC 250V, Min. 15A (2-Pole, 3-Wire, Grounded)
   6-15P UL Listed, CSA Certified in North America
   Type CA, Conformed to IEC 950 in Europe
   Power cable rating ; Min. AC 250V, Min. 15A
   Type SJT or SVT, UL Listed, CSA Certified in North America
   Conformed to IEC 950 in Europe

4) **Use the Power Supply Cable which is approximately 50 mm longer for the FG. The cable should be designed as below, so the FG power cable remains connected if the other cables are accidentally disconnected.**



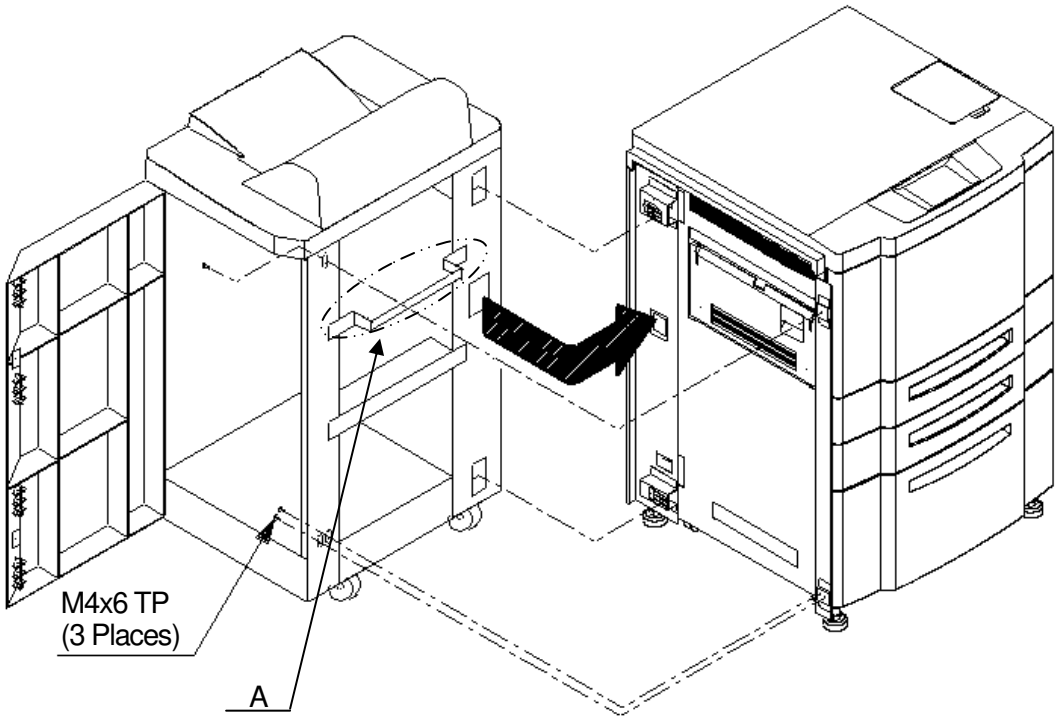
5) **Make sure that the power cables are connected to the correct terminals ("L", "N") on the power plug and Terminal Block. (FG power cable is connected to chassis.)**
6) **The socket-outlet shall be installed near the printer and be easily accessible.**

5) Install the Finisher to the Printer.

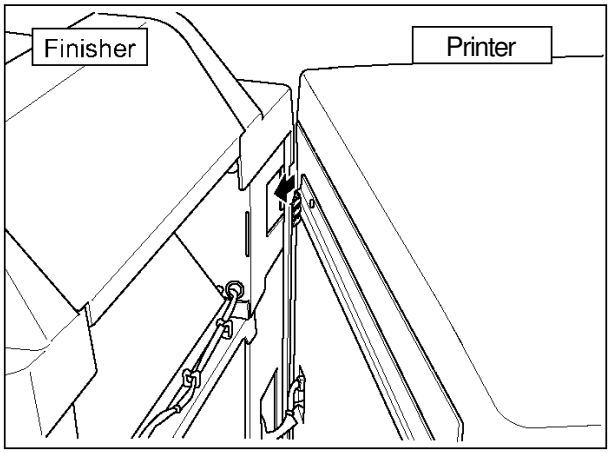
(9) Fit the hooks on the main body installation plates (upper and lower) into the upper and lower holes on the Finisher as illustrated below, then lock them by pushing the Finisher to the back.

CAUTION

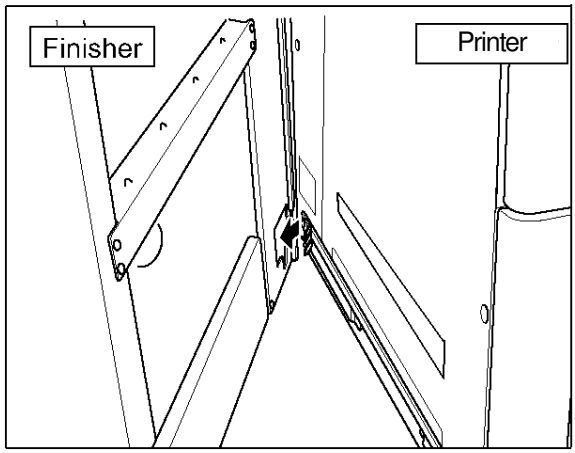
When installing the Finisher, don't hit following "A" part to the Printer.
Confirm the SB cover opens and shuts smoothly after attaching.



Upper view



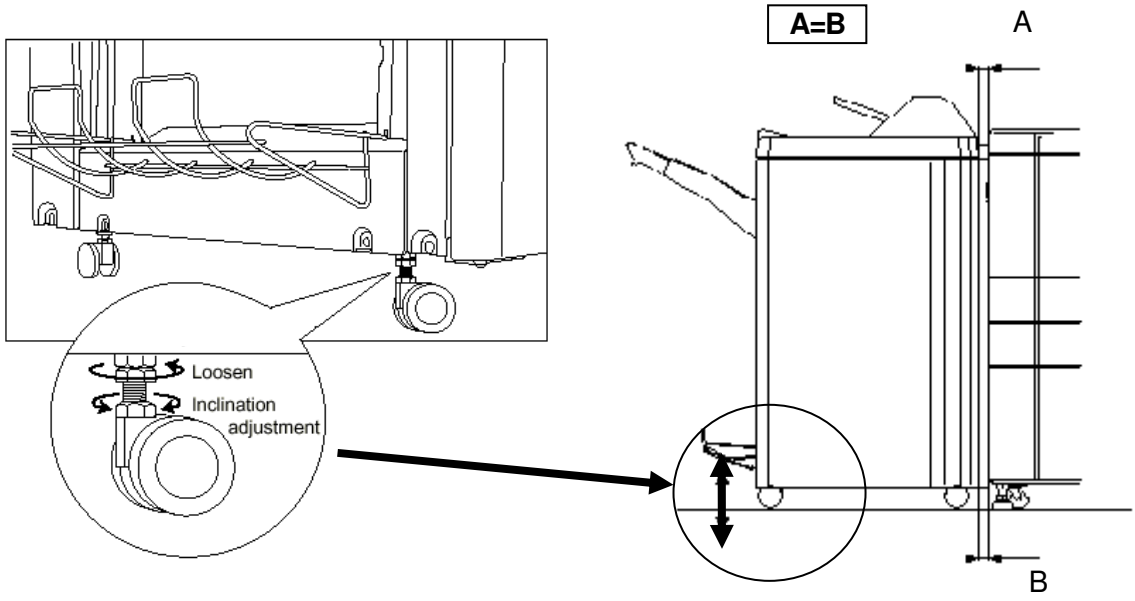
Lower view



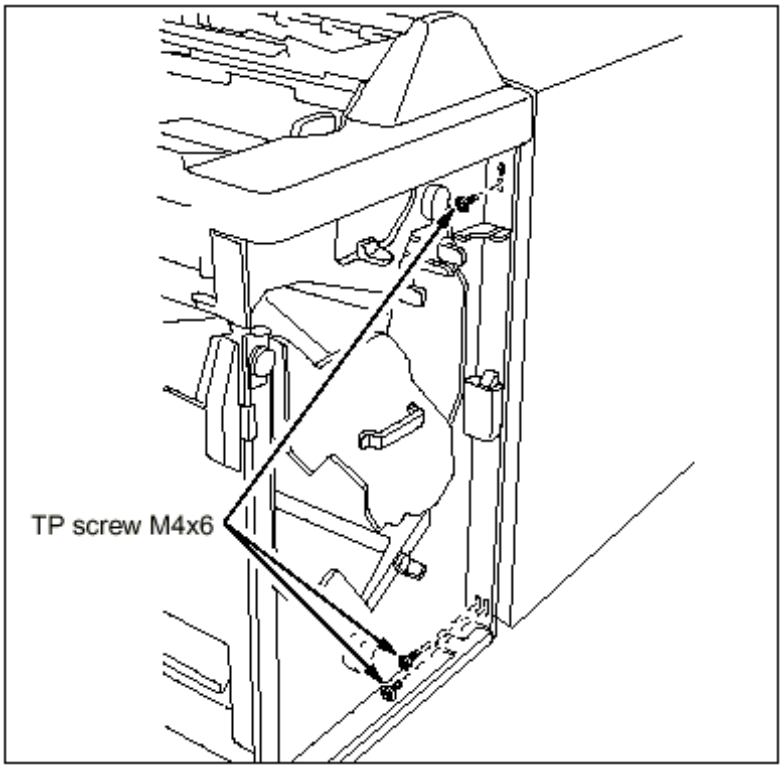
CAUTION

If the gap between the Finisher and Printer is not equal from the top through the bottom, adjust it by the height of the front and rear casters on the paper exit side of the Finisher.

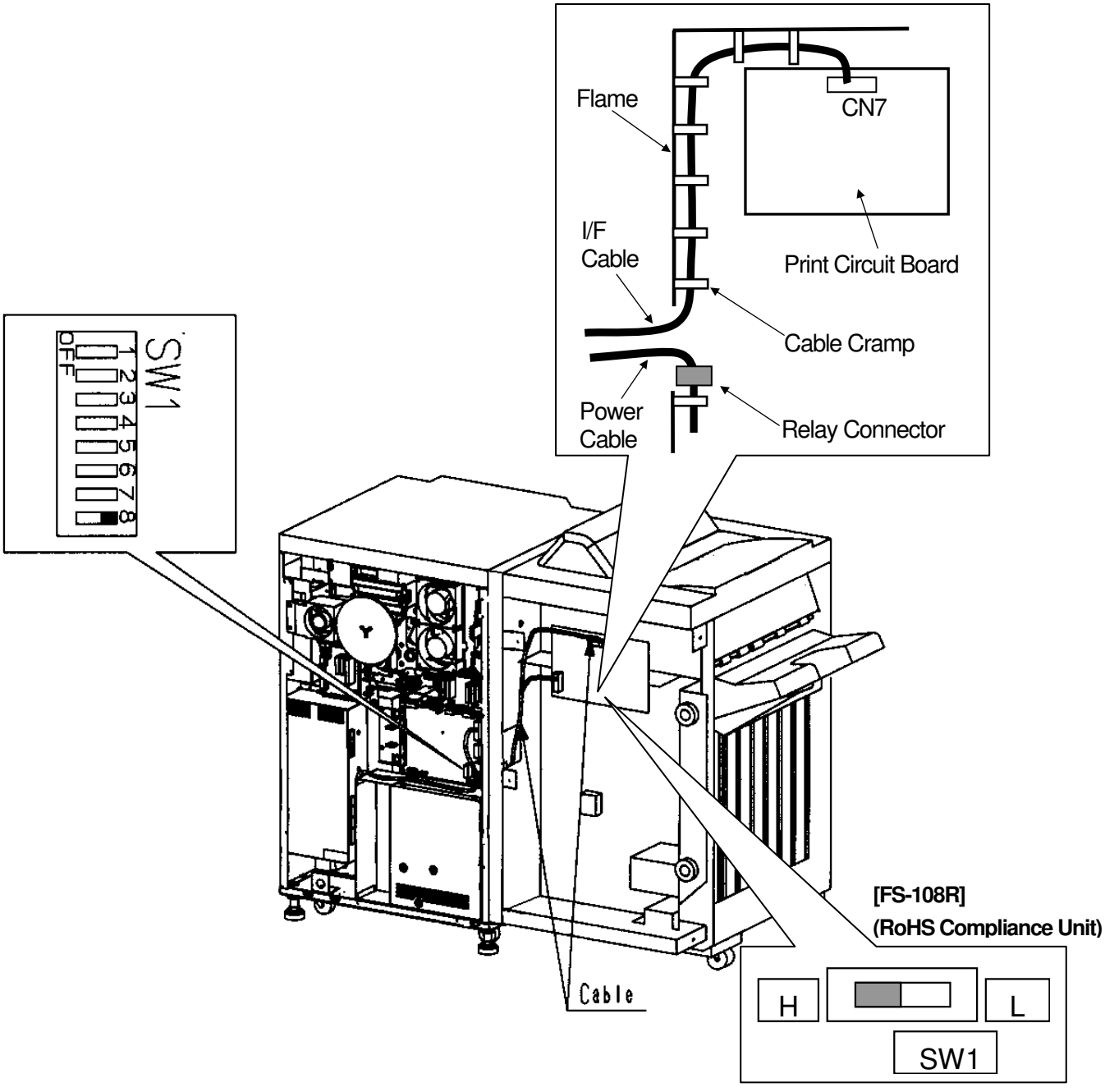
The jack of the printer is adjusted when the SB cover doesn't open and shut smoothly, the printer is lowered, and the SB cover opens and shuts smoothly.



(10) Fix the Finisher to the Printer (front side only). (TP screw M4x6: 3)



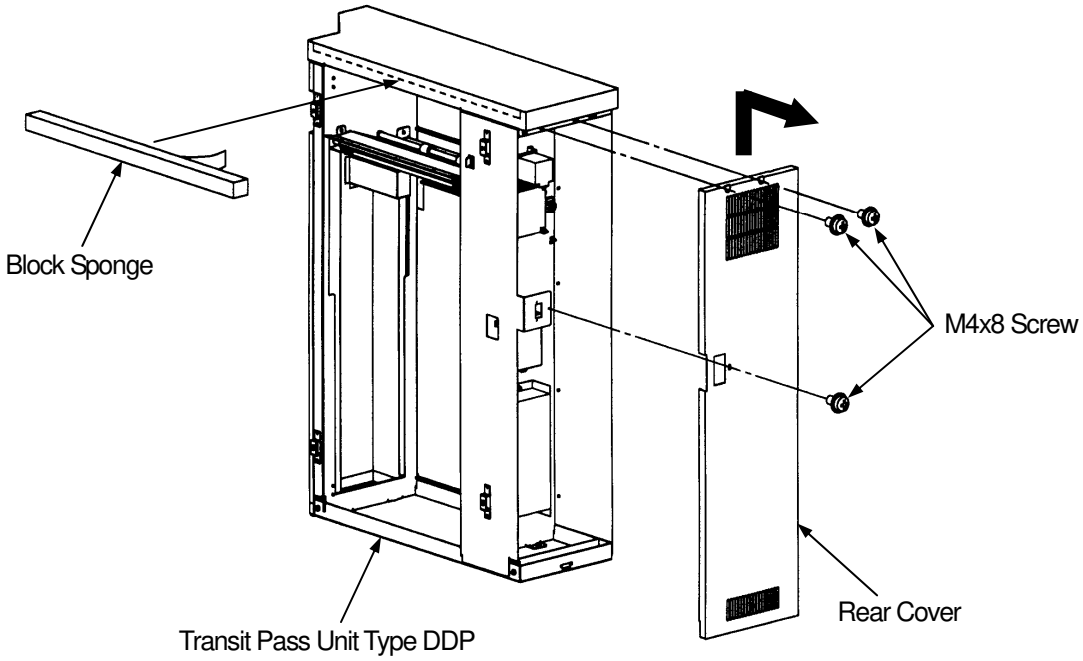
6) Connect the connectors of the Printer with the Finisher.
   (1) When connecting the connectors of printer with the Finisher, pass the two cables through the Hole of the Printer and Finisher.
   (2) Connect the I/F Cable to the CN7 connector on the Print Circuit Board through the cable clamps with other cables like following figure.
   (3) Connect the Power Cable to the Relay Connector like following figure.
   (4) Switch on No.8 of SW1 of on the Print Circuit Board of the Engine.
   (5) Turn on the "H" of the SW1 mounted on the P/K of the Finisher(FS-108R) **(RoHs Compliance Unit)**
   (6) Install the Rear Covers of the Printer and Finisher.



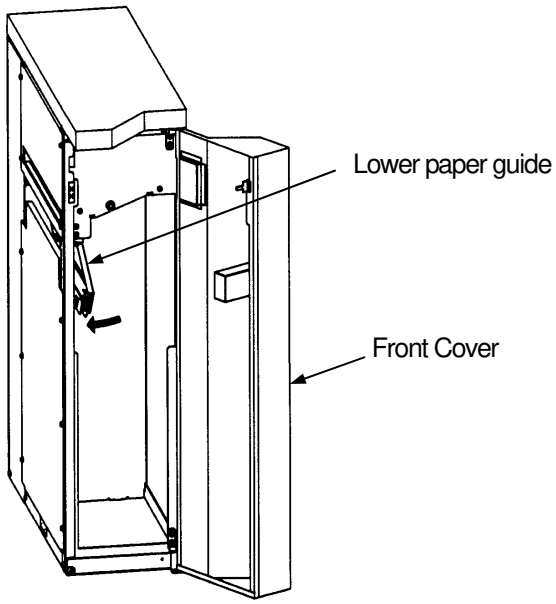
[Finisher SR5000] with Transit Pass Unit Type DDP

7) Releasing the Rear Cover of the Transit Pass Unit Type DDP.
   (1) Unscrew the three M4 Screws.
   (2) Unhook the lower hook of the Rear Cover and release the Rear Cover.
   (3) (Release the Rear Cover by lifting up and pulling forward.)

8) Install the Block Sponge to the Transit Pass Unit Type DDP.

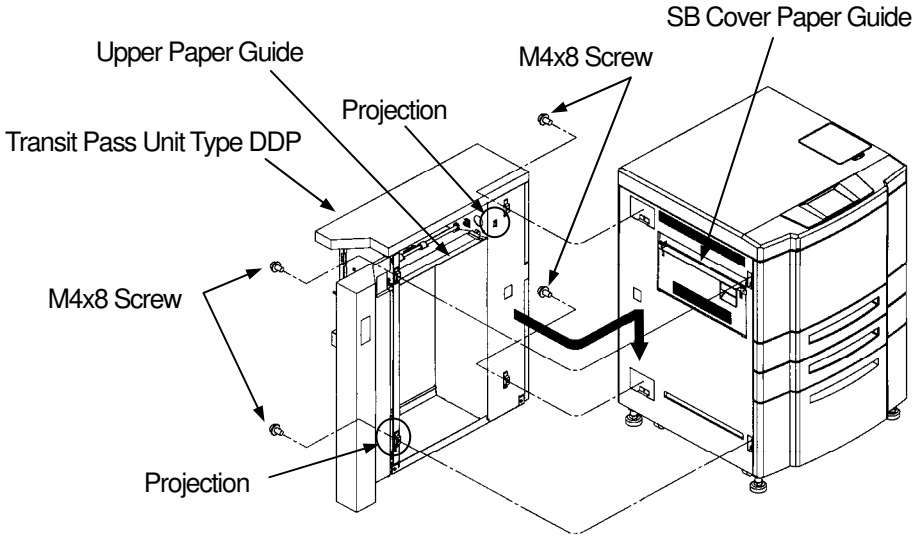


9) Open the Front Cover and Lower paper guide.

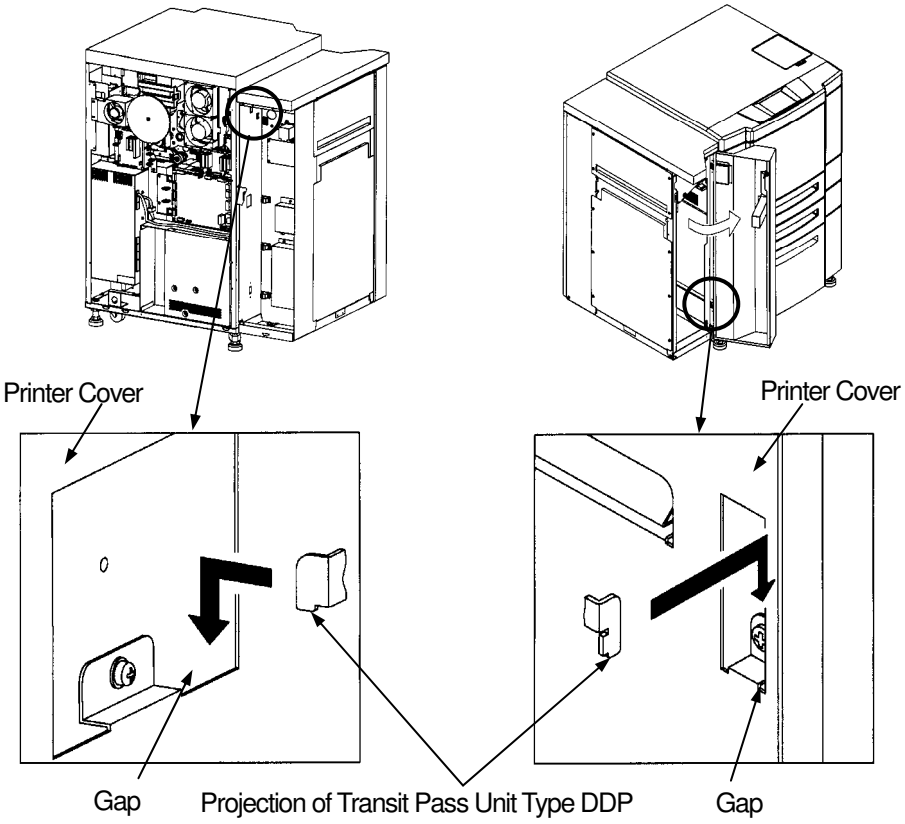


10) Install the Transit Pass Unit Type DDP to the Printer.

NOTE
Install it carefully so that Upper Paper Guide and SB Cover Paper Guide do not collide

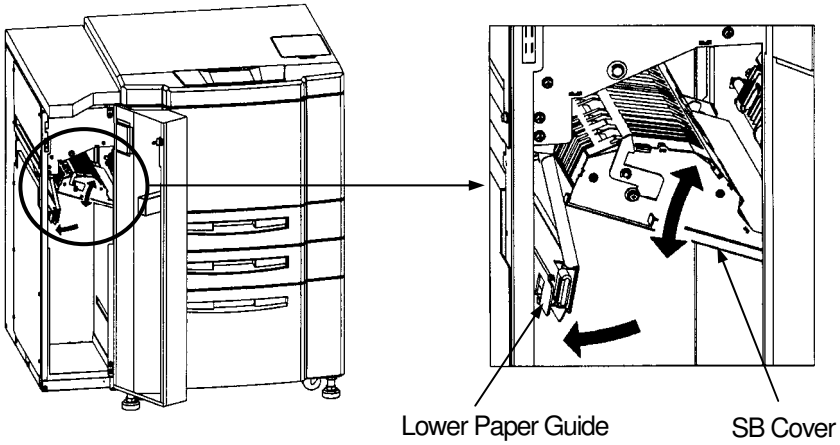


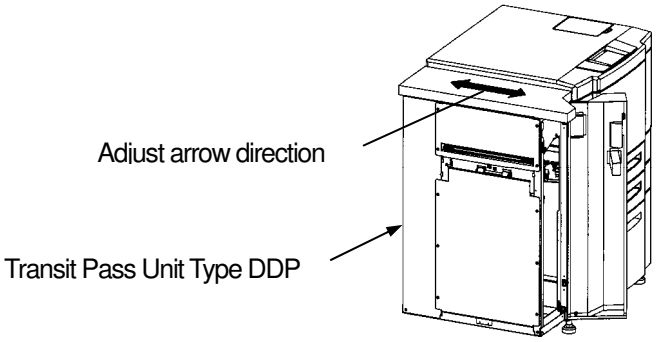
(1) Insert the two Projections in the Gap.



CHECK

Open and close the SB Cover.
When the SB cover does not open, adjust Transit Pass Unit Type DDP to an arrow direction.

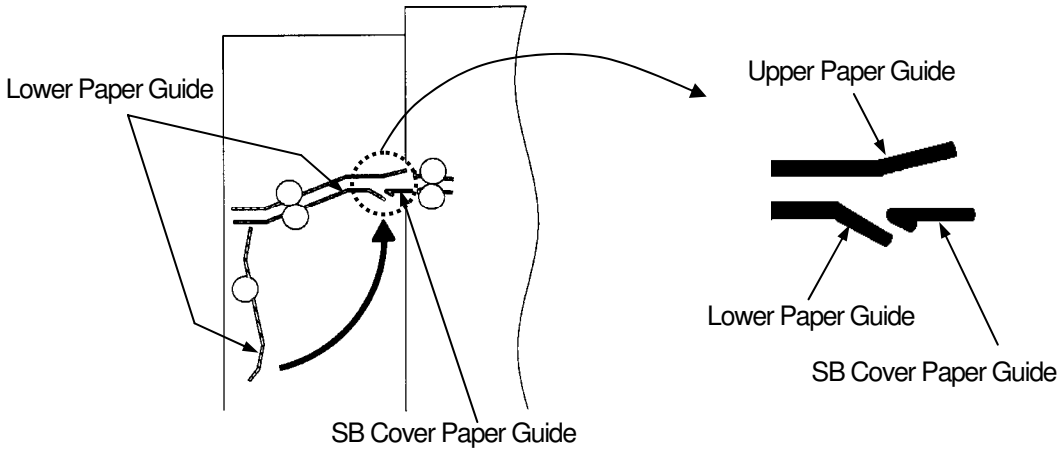




(2) Install the Transit Pass Unit Type DDP by using the four M4x8 Screws.
(3) Close the Lower paper guide and Front Cover.

CHECK

Open and close the Lower paper guide. When Lower Paper Guide and SB Cover Paper Guide collide, repair it by hand because SB Cover Paper Guide may transform it.



11) Connect the connector of cables to the Printer and Transit Pass Unit Type DDP.

(1) Pass the three cables through the Hole of Printer and Transit Pass Unit Type DDP from Transit Pass Unit Type DDP to Printer.

- AC cable (white 2pin connector) x2
- Signal cable (black 20pin (small) / black 14pin connector / black 22pin)
- GND cable

(2) Pass the one cable through the Hole of Printer and Transit Pass Unit Type DDP from Printer to Transit Pass Unit Type DDP.

- FNS IF cable (white 4pin / black 20pin connector)

(3) Remove OCxxx PK.

(4) Connect the Signal Cable to the connector on the CP board as follows.

(Connection 1)

- black 20pin connector (small size) -> J747 (another side is not be connected)
- black 22pin connector -> between J717 and the original cable
- black 14pin connector -> J791(another side is not be connected)

(5) Attach the OCxxx PK.

(6) Discinnect the CE AC cable from J236 on the Low Voltage Power Supply of Printer.
Connect the AC cable to the J236 on the Low Voltage Power Supply of Printer.
And connect the CE AC cable that is disconnected from J236 to the white 2pin connector of the AC cable.

(Connection 2)

(7) Mount the FG cable on Printer frame by using M4 screw.

(Connection 3)

(8) Connect the FNS IF cable to the white 4pin connector in the Transit Pass Unit Type DDP.

(Connection 4)

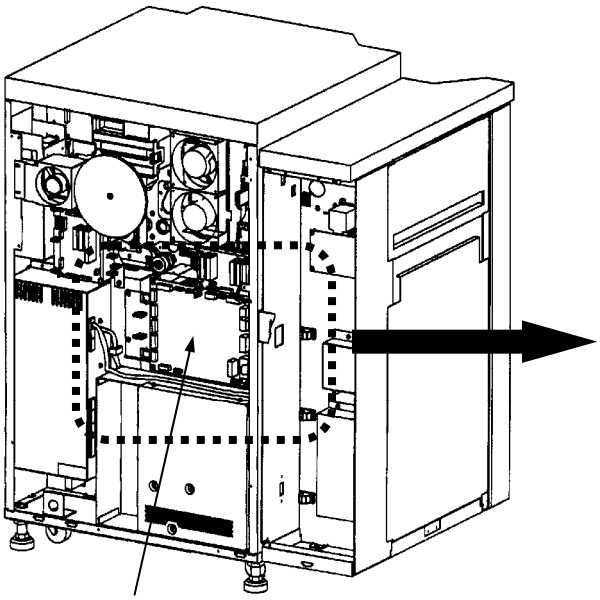
(9) Connect the FNS IF cable to the black 20pin (plug type with lock) connector in the Transit Pass Unit Type DDP.

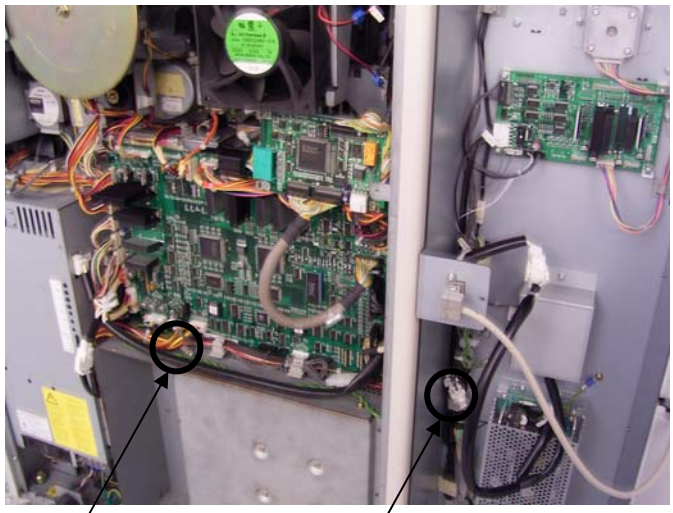
(Connection 5)

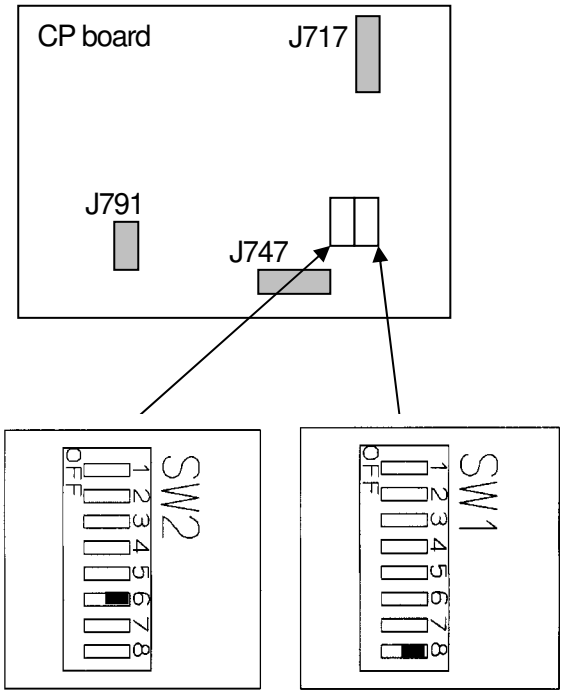
(10) Switch on No.8 of SW1 on the CP board of the Printer.

(11) Switch on No.6 of SW2 on the CP board of the Printer.

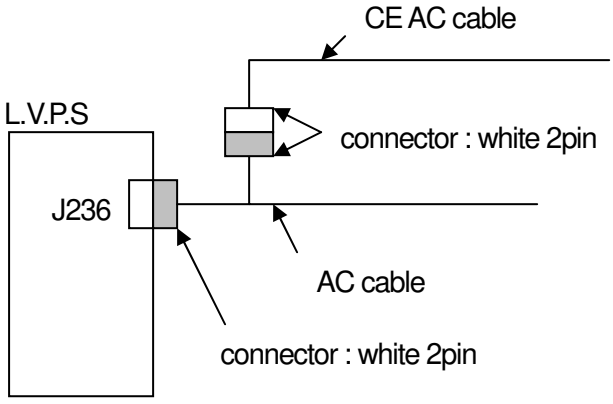
Note 1) Signal Cable (CS) in the Transit Pass Unit Type DDP is **not** used.





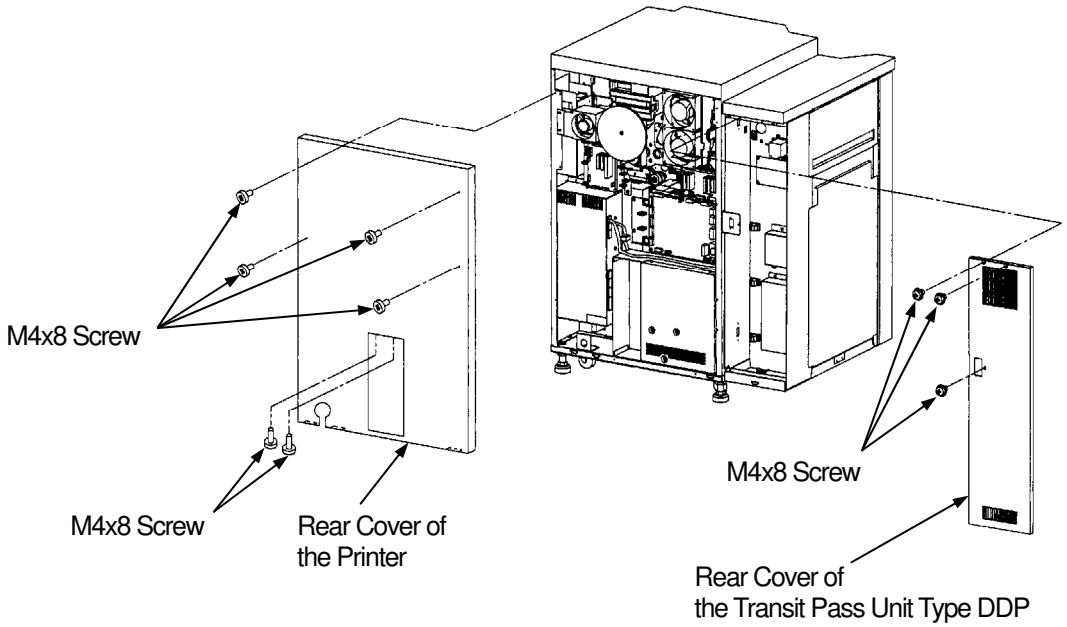


Location of connection 1 and DIP SW

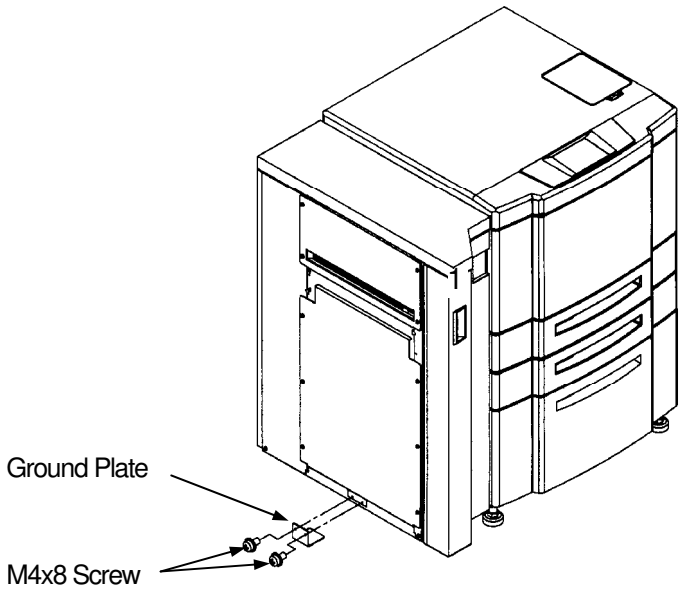


Location of connection 2

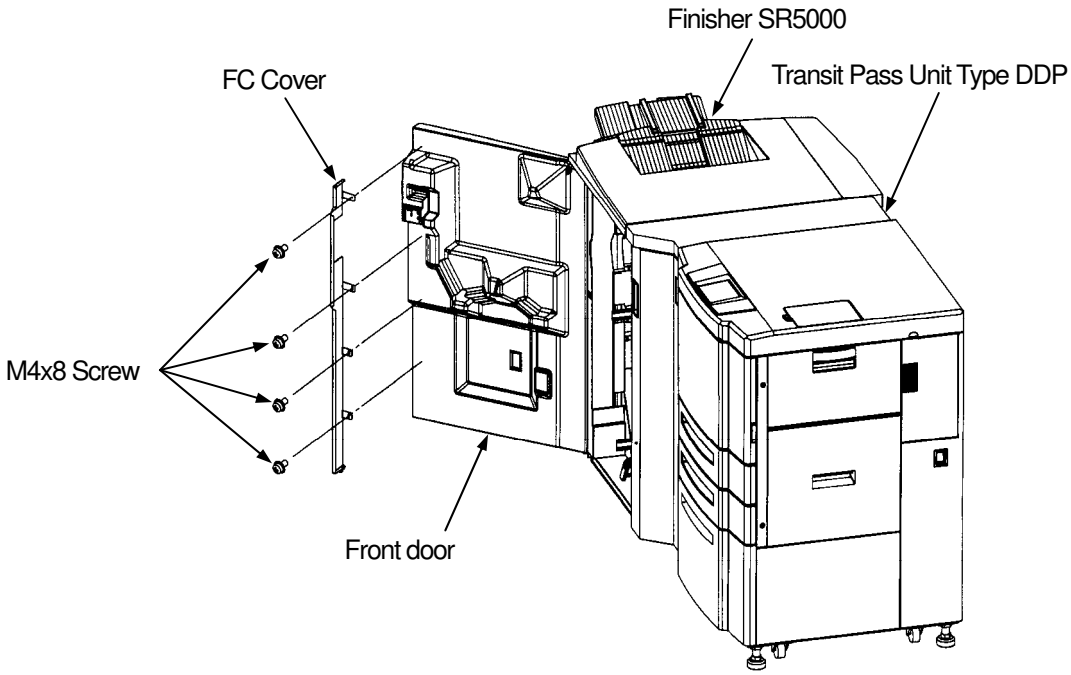
12) Install the Rear Cover of the Printer and Transit Pass Unit Type DDP.



13) Install the Ground Plate to the Transit Pass Unit Type DDP.

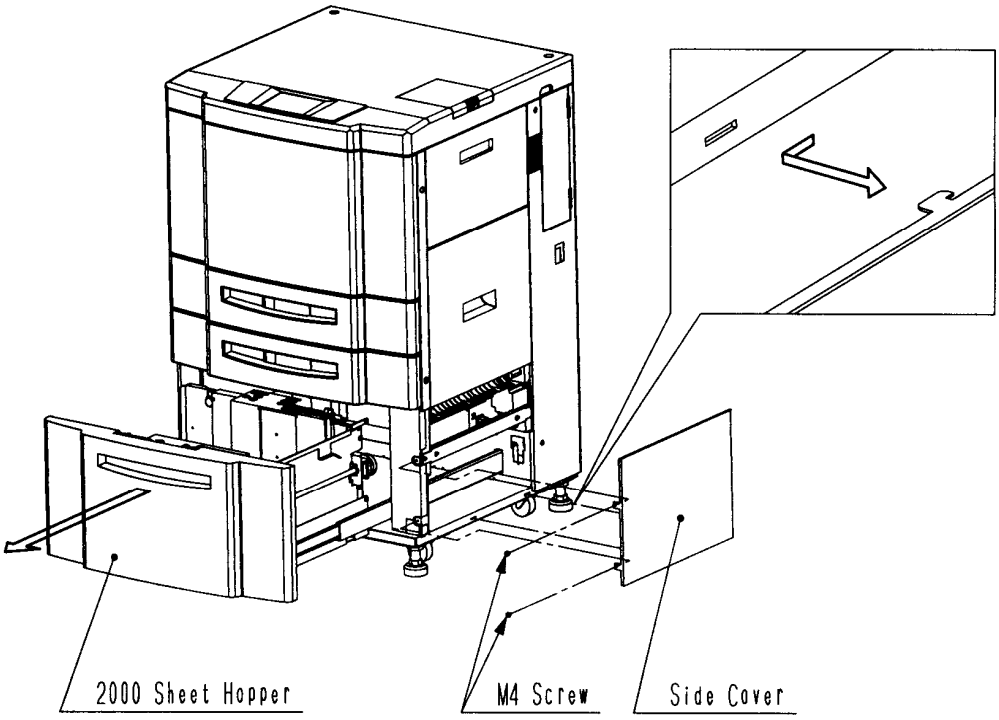


14) Install the Finisher SR5000 to the Transit Pass Unit Type DDP.
   (1) Refer to the Installation Procedure of the Finisher SR5000.
   (2) Install the FC Cover to the front door on the Finisher SR5000.

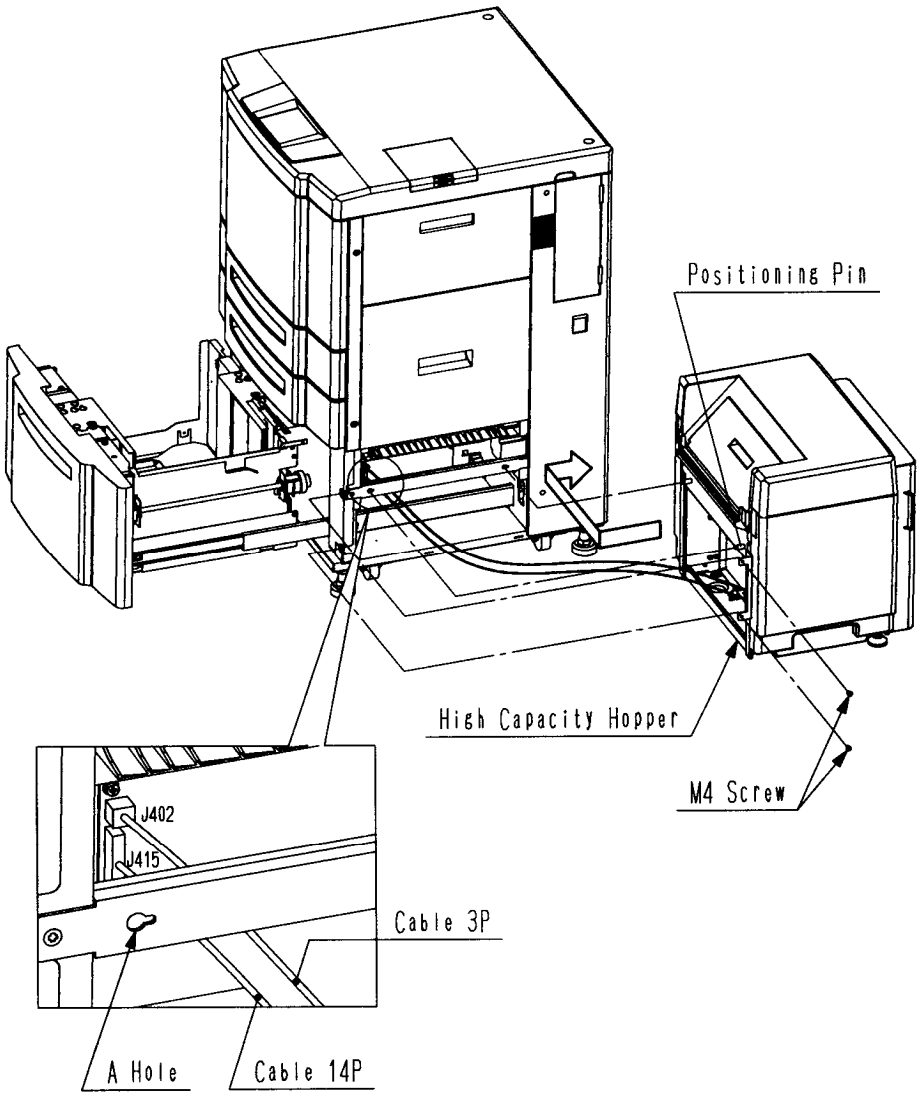


4.2 Installation in the composition with the High Capacity Hopper

1) Install components other than the High Capacity Hopper.
2) Draw the 2000 Sheet Hopper of the Engine.
3) Remove the two M4 screws and Side Cover.

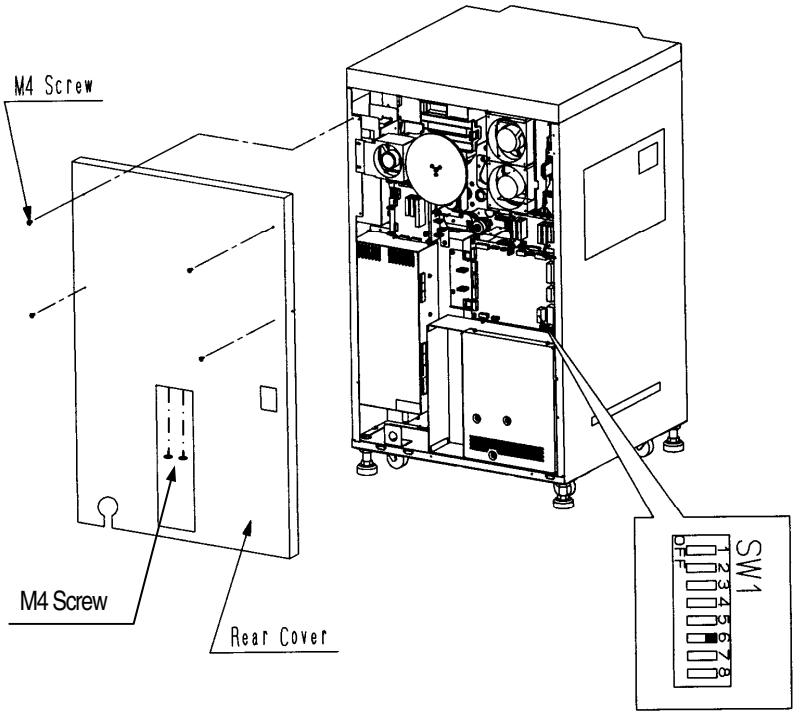


4) Connecting the two connectors (3pin and 14pin) to the HPxxx Ass'y of the Engine.
5) Connecting the High Capacity Hopper.
   (1) Put the Positioning Pin in the hole A and slide the High Capacity Hopper in the arrow direction.
   (2) Make sure that the Cable does not get caught between the Printer and High Capacity Hopper.
6) Tighten the two M4 screws.

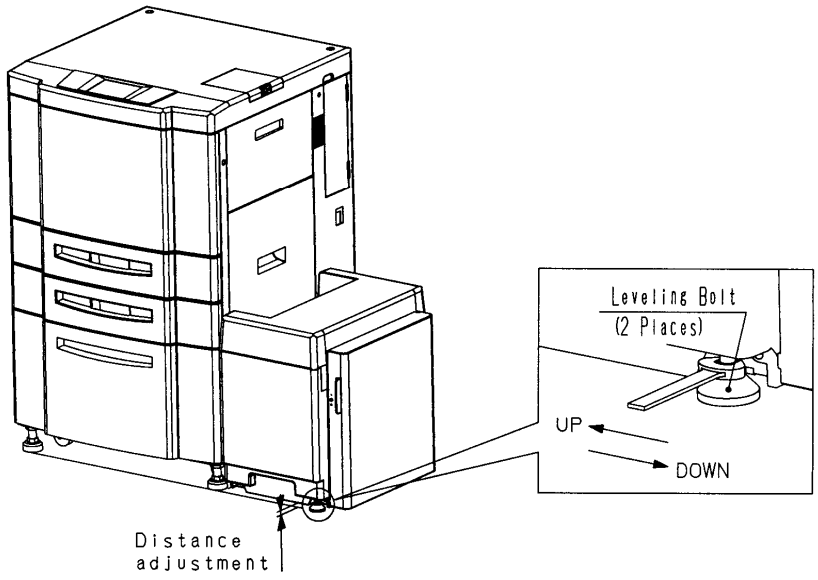


7) Return the 2000 Sheet Hopper.

8) Remove the six M4 screws and Rear Cover.
9) Switch on No.6 of SW1 on the CP P/K of the Engine.
10) Install the Rear Cover.



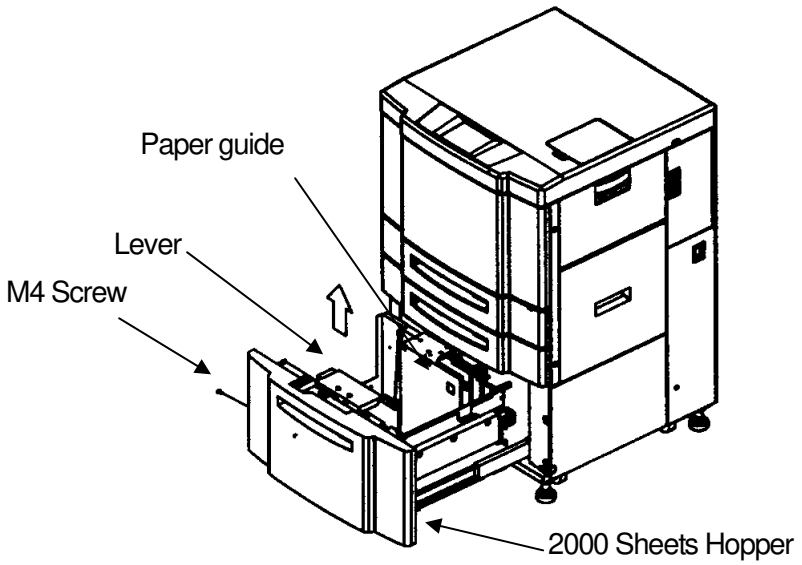
11) Turn the leveling bolt (2 Places) to make the bottom of the High Capacity Hopper parallel with the floor, judging by your eyes.



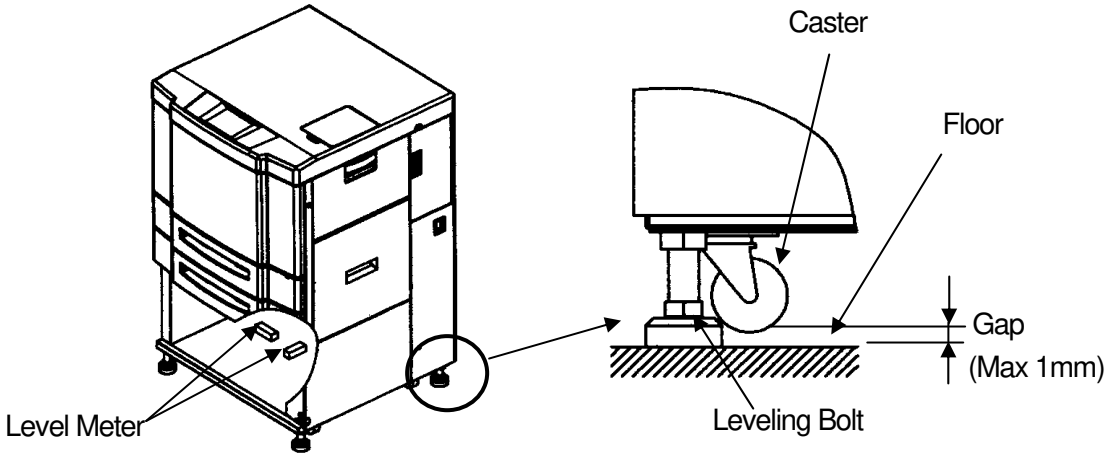
4.3 Installation in the composition with the Container Stacker 1 or 2

4.3.1 Connection of the Engine and Container Stacker 1 or 2

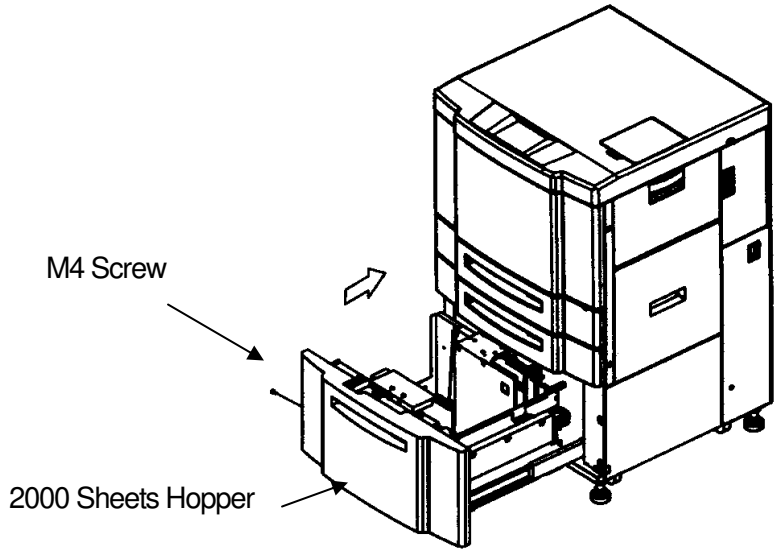
1) Drawer the 2000 Sheets Hopper and set the paper guide at the position of 8.5" paper size.
2) Remove the M4 Screw and the 2000 Sheets Hopper.



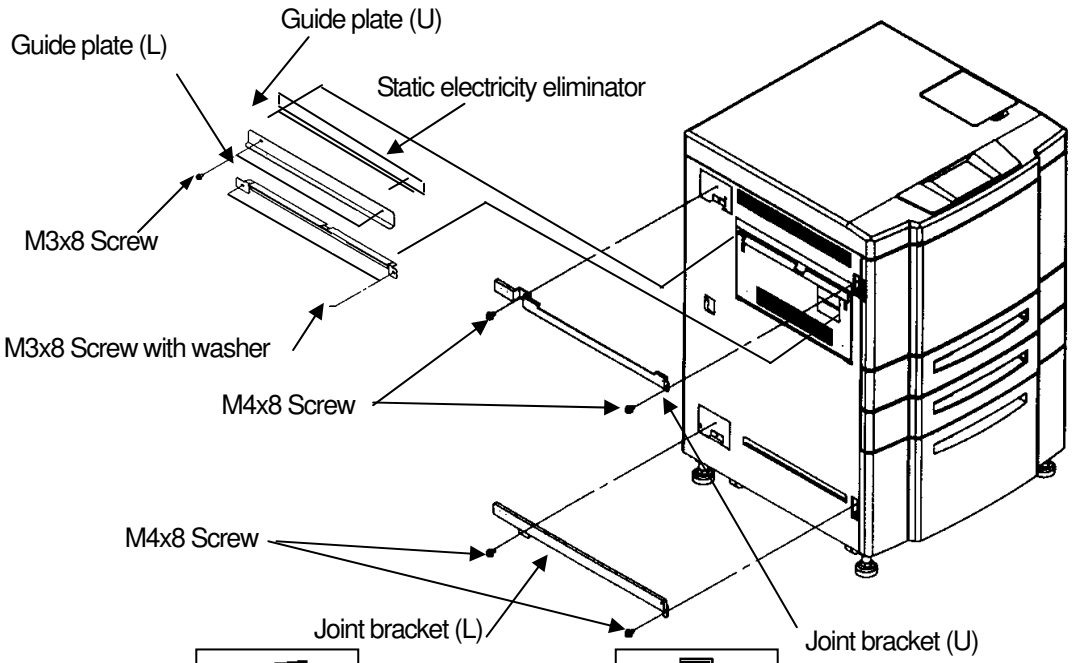
3) Turn the four leveling bolts until casters are floated.
4) Adjust the horizontal level of the printer with the Level Meter putting on the frame.

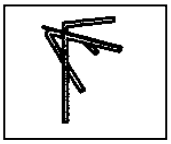


5) Install the 2000 Sheets Hopper.

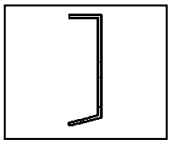


6) Remove the two M3x8 Screws and Electrostatic Eraser from the Engine.
7) Install the Guide plate (U) with the Electrostatic Eraser ("FRONT" letter is surface.) by using the two M3x8 Screws. (Be careful that the hair of the Electrostatic Eraser does not fall.)
8) Install the Guide plate (L) by using the two M3x8 Screws with washer.
9) Install the Joint Bracket (U) and Joint Bracket (L) by using the two M4x8 Screws.



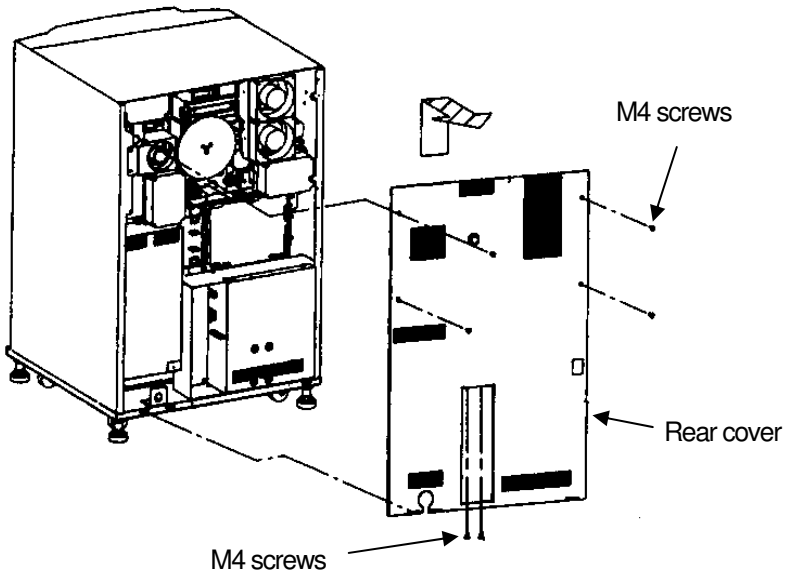


Guide Plate (L)
view from front side.

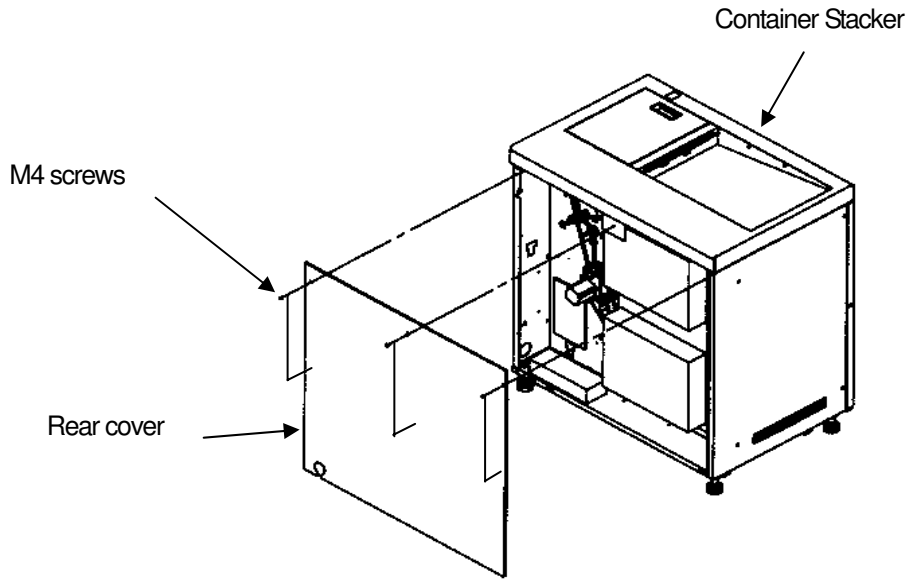


Guide Plate (U)
view from front side.

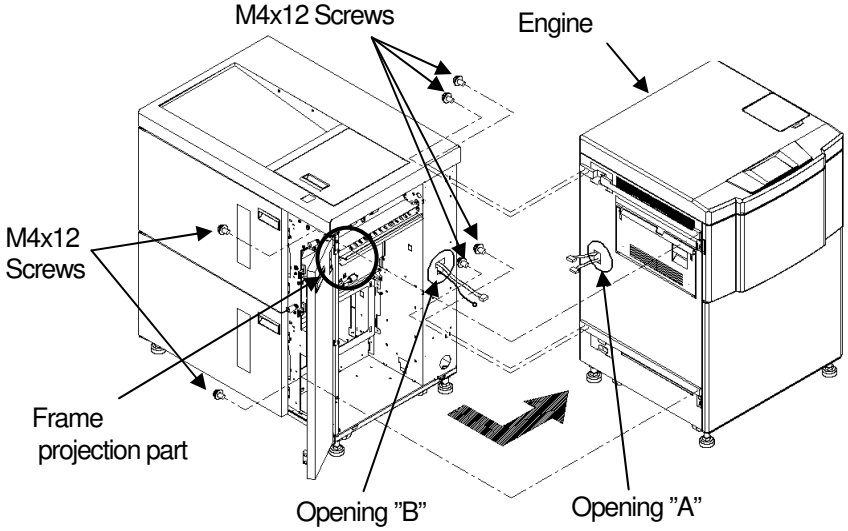
10) Releasing the Rear Cover of the Engine.
   (1) Unscrew the six M4 Screws.
   (2) Unhook the lower hook of the Rear Cover and release the Rear Cover.
   (3) (Release the Rear Cover by lifting up and pulling forward.)



11) Remove the six M4 screws and the Rear Cover of the Container Stacker

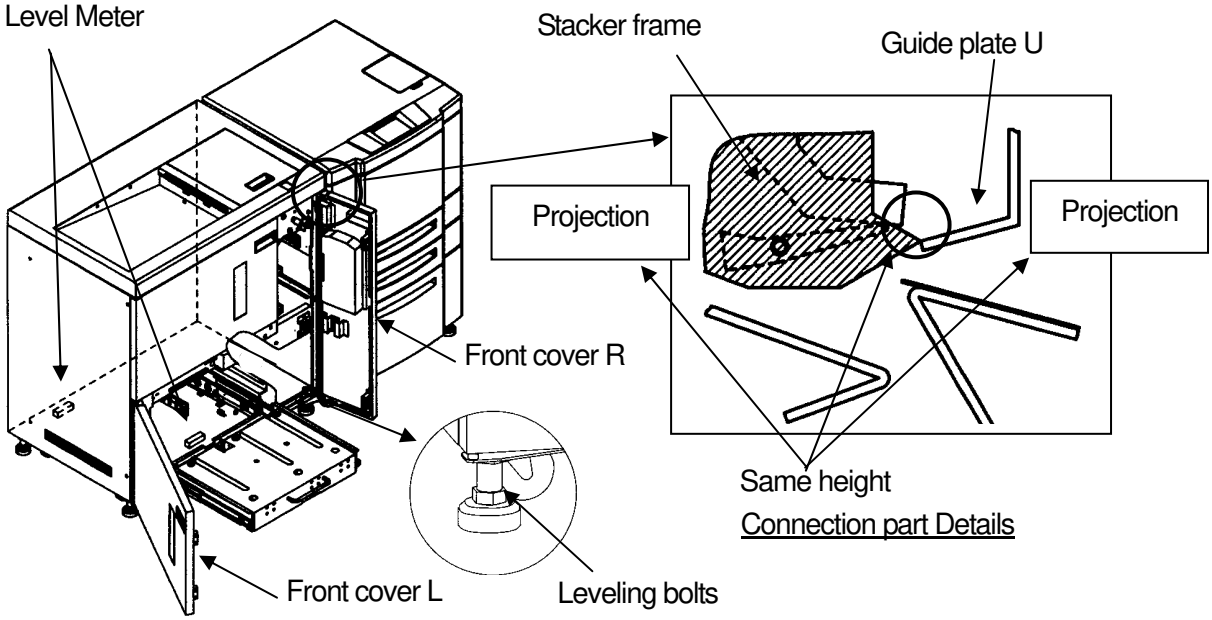


12) Attach the Container Stacker to the Engine.
   (1) Pass the AC Relay cable (2-pin white connector) and FNS IF cable (20-pin black connector) through opening “A” in the Engine, and then through opening “B” in the Container Stacker.
   (2) Pass the CST FG cable and CST AC cable (2-pin white connector) through opening “B” in the Container Stacker, and then through opening “A” in the engine.
   (3) Attach the Engine to the Container Stacker (6 M4x12 screws).
   Important: Do not tighten the screws all the way.

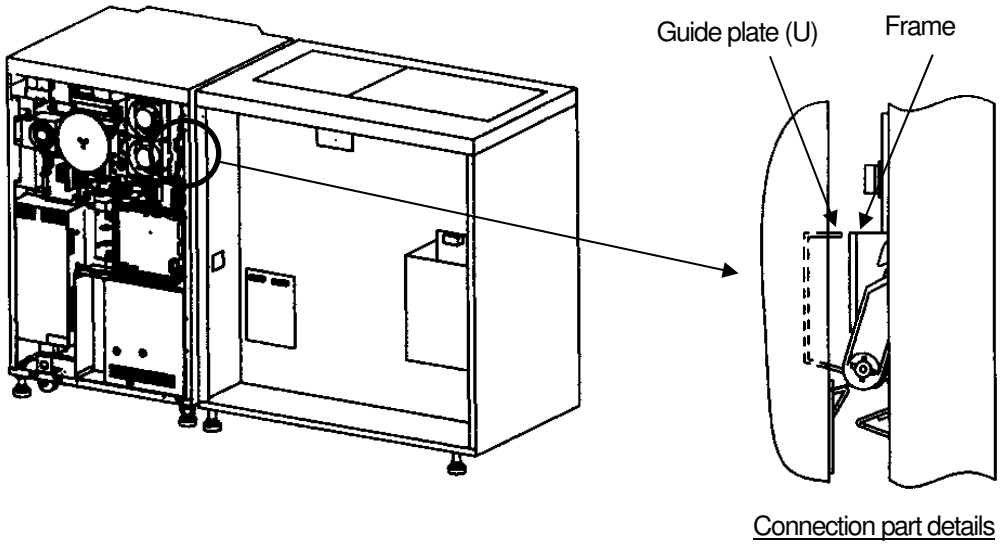


13) In order to adjust the height of Container stacker, turn 180 degrees each of four leveling bolts, and satisfy the following conditions, and bolt the screw of a temporary tight.
   (1) When the Front cover R is shut and it looks into the space between the Printer and Container stacker from front side, the height of the Frame’s projection of Container stacker and the Guide plate U’s projection is the same.

   [Note] As for the way of opening front cover L, refer to the item 3.3.



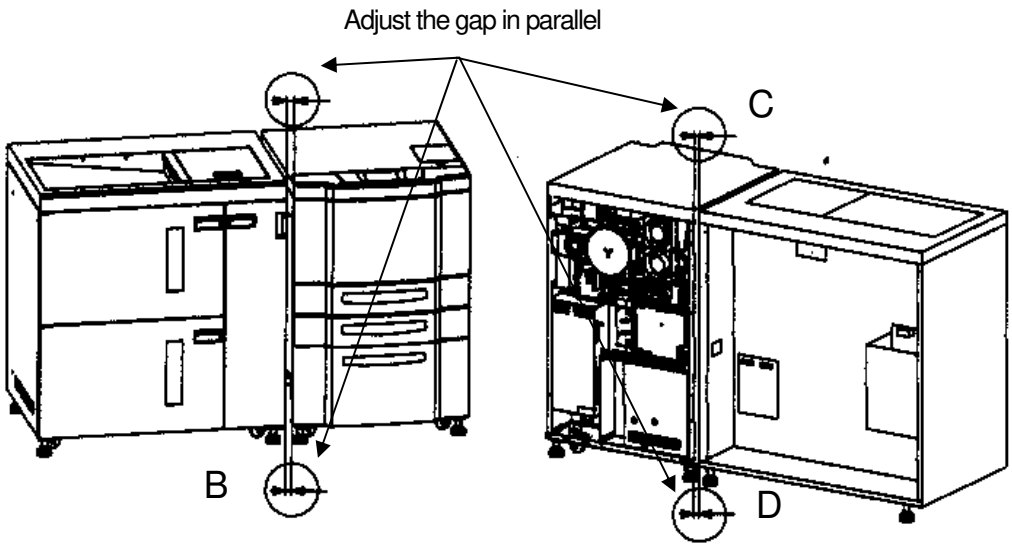
(2) It looks into the space between Printer and Container stacker from a rear side, the height of the Frame's upper part of Container stacker and the Guide plate U's upper part is the same.
(3) Put the Level Meter on two places of Container stacker is level.



Connection part details

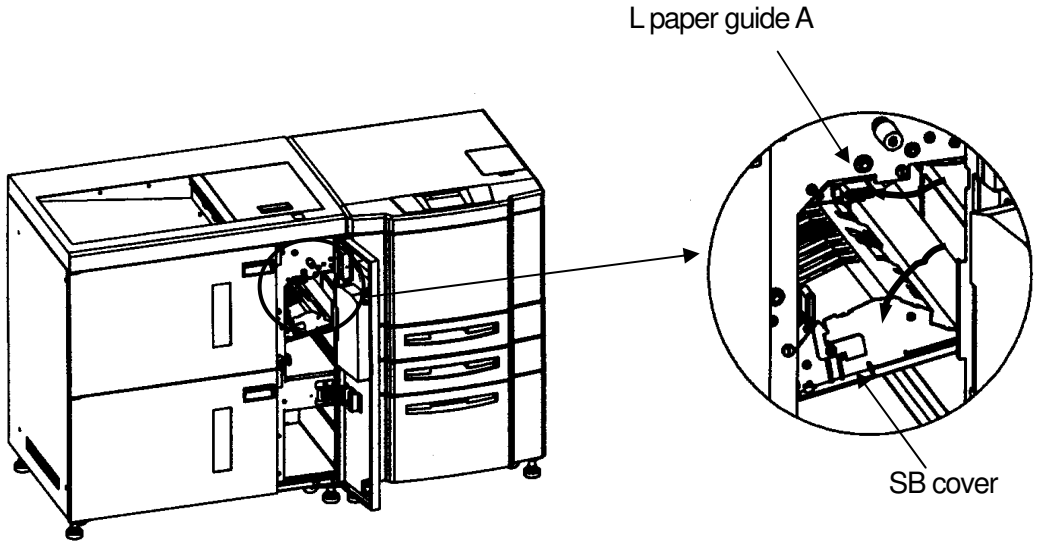
CHECK

Check the Gaps of A,B,C,D are nearly equal each other.

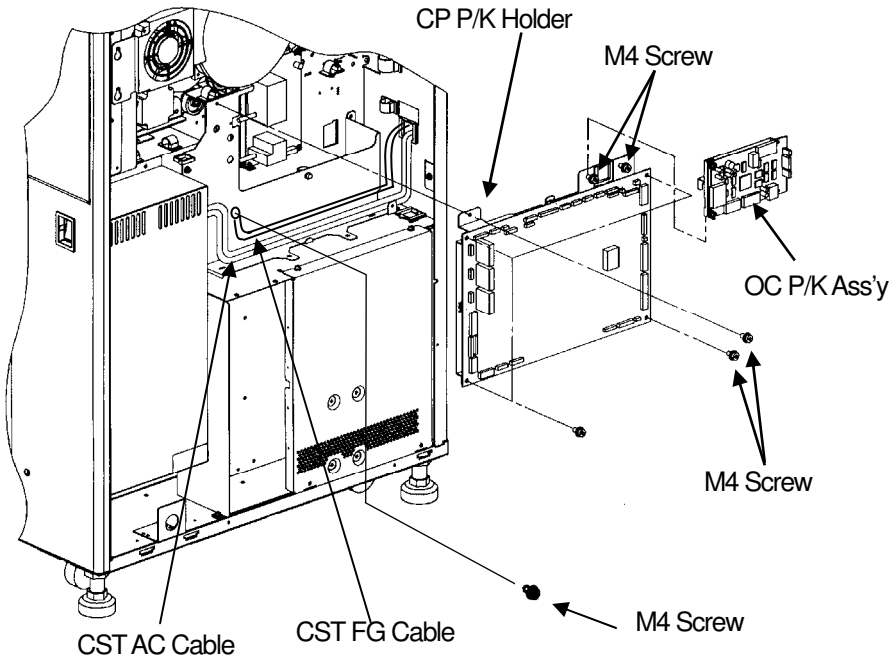


CHECK

Open the L paper guide A of the Container Stacker make sure that the SB cover can be opened.
When not open, re- adjusts to implement the item 4.3.1.12) and to lift the Container Stacker.

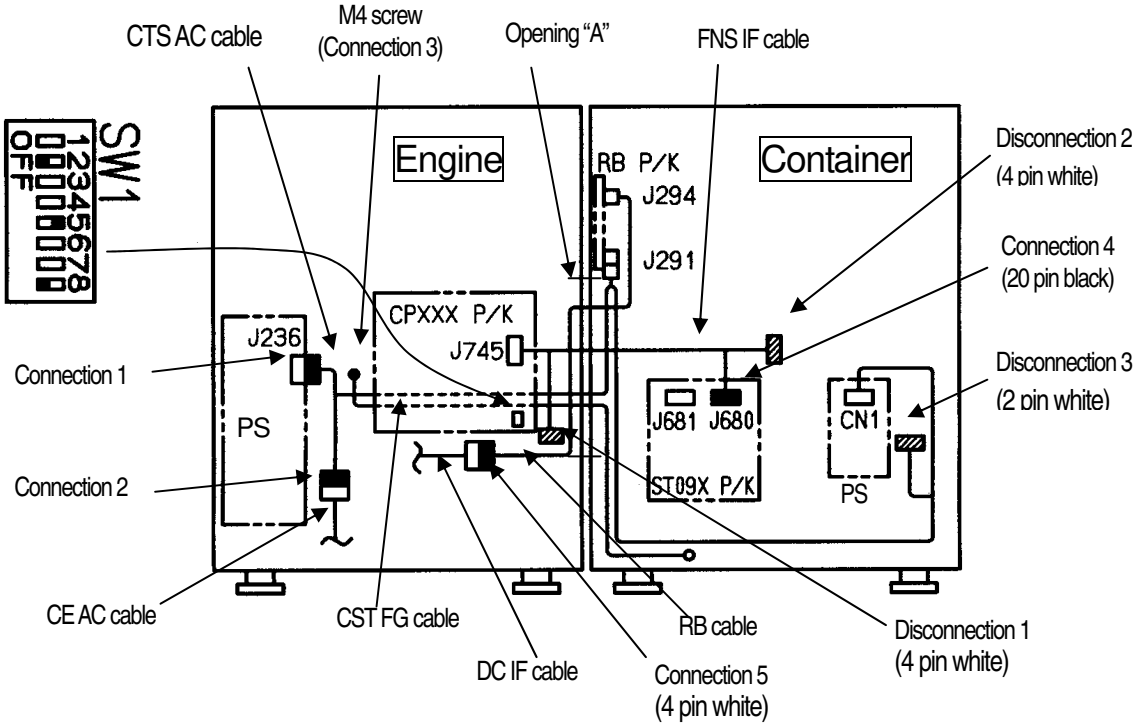


14) Remove the OC P/K Ass'y and CP P/K Holder from the Engine.

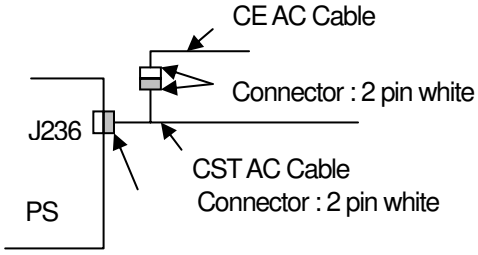


15) Connect the CST AC cable coming from the Container Stacker to the J236 on the power supply of the printer (Connection 1 on the below figure). At this time, connect CE AC cable that is disconnected from the J236 to the connector of the CST AC cable (Connection 2 on the below figure)
16) Mount the CST FG cable coming from Container Stacker side on the printer frame by using M4 screw (Connection 3 on the below figure).
17) Install the CP P/K Holder and OC P/K ass'y in the Engine.
18) Connect FNS IF cable of 20 pin black connector coming from the printer to the J680 connector of ST09X P/K board in Container Stacker (Connection 4 on the below figure). (Do not use the 4 pin white connector Disconnection 2 on the below figure).
19) Disconnect the 4 pin white connector of the DC IF cable of the printer from the FNS IF cable (Disconnection 1 on the below figure). Then connect it to the RB cable of 4 pin white connector coming from Container Stacker. (Connection 5 on the below figure)

[Note] Put the cable through the opening "A" of the Engine for connection.

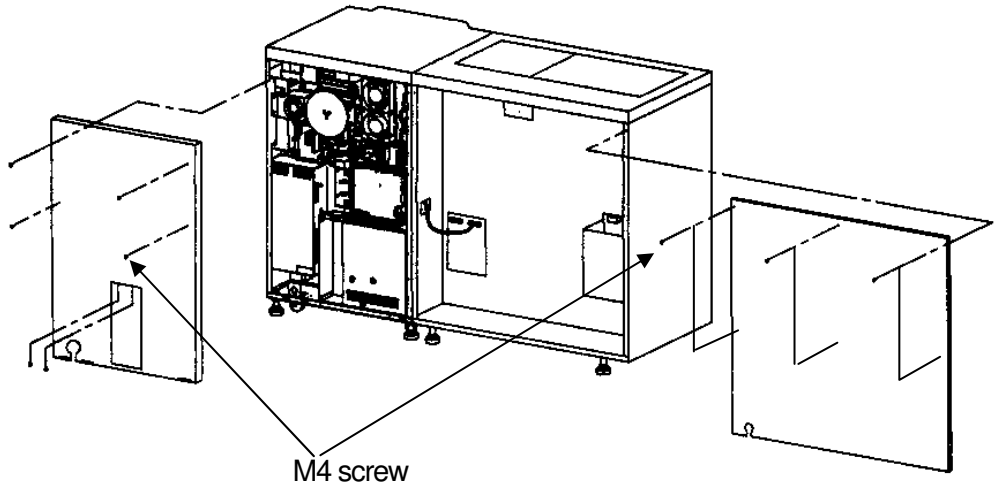


Details of Connection 1 and Connection2.



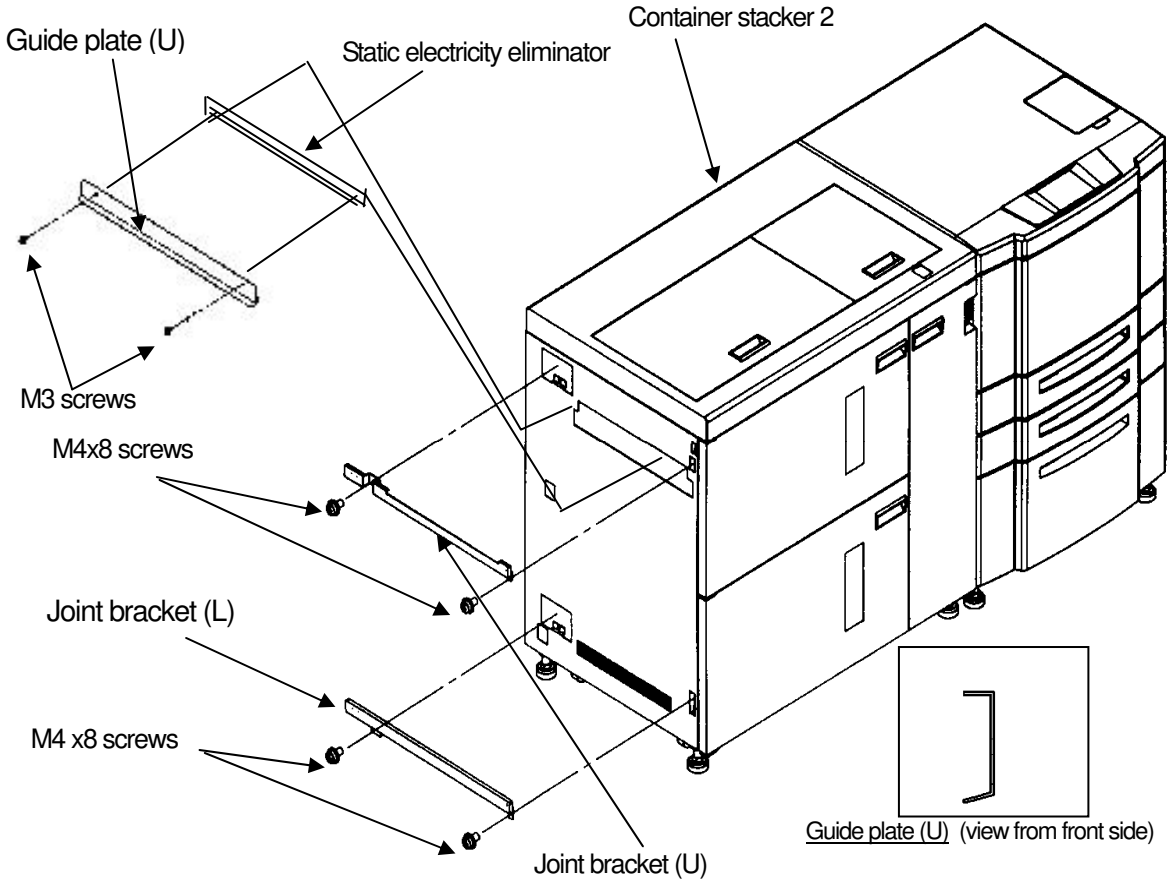
20) Turn on the No.5 and Turn off the No.2 and 8 of the SW1 mounted on the CPXXX P/K of the Engine.

21) Install the Rear Cover of the Engine and Container Stacker.

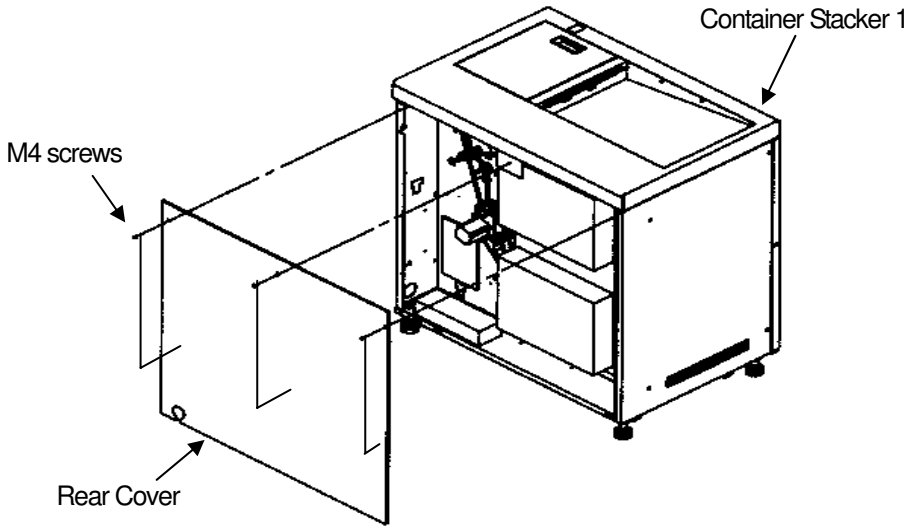


4.3.2 Connection of the Container Stacker 1 and Container Stacker 2

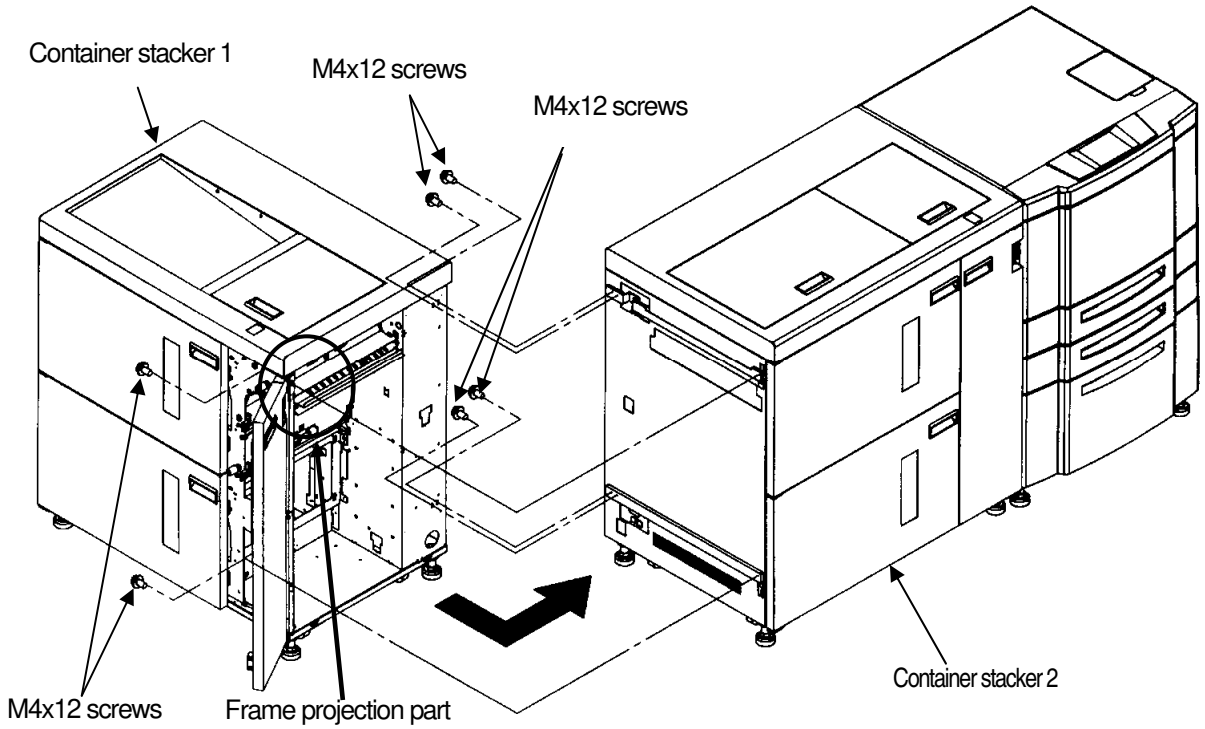
1) Perform item 4.3.1.
2) Remove the two M3x8 Screws and Electrostatic Eraser from the Container stacker 2.
3) Install the Guide plate (U) with the Electrostatic Eraser ("FRONT" letter is surface.) by using the two M3 Screws. (Be careful that the hair of the Electrostatic Eraser does not fall.)
4) Install the Joint Bracket (U) and Joint Bracket (L) by using the two M4x8 Screws.



5) Remove the six M4 screws and remove the rear cover from the Container Stacker 1.



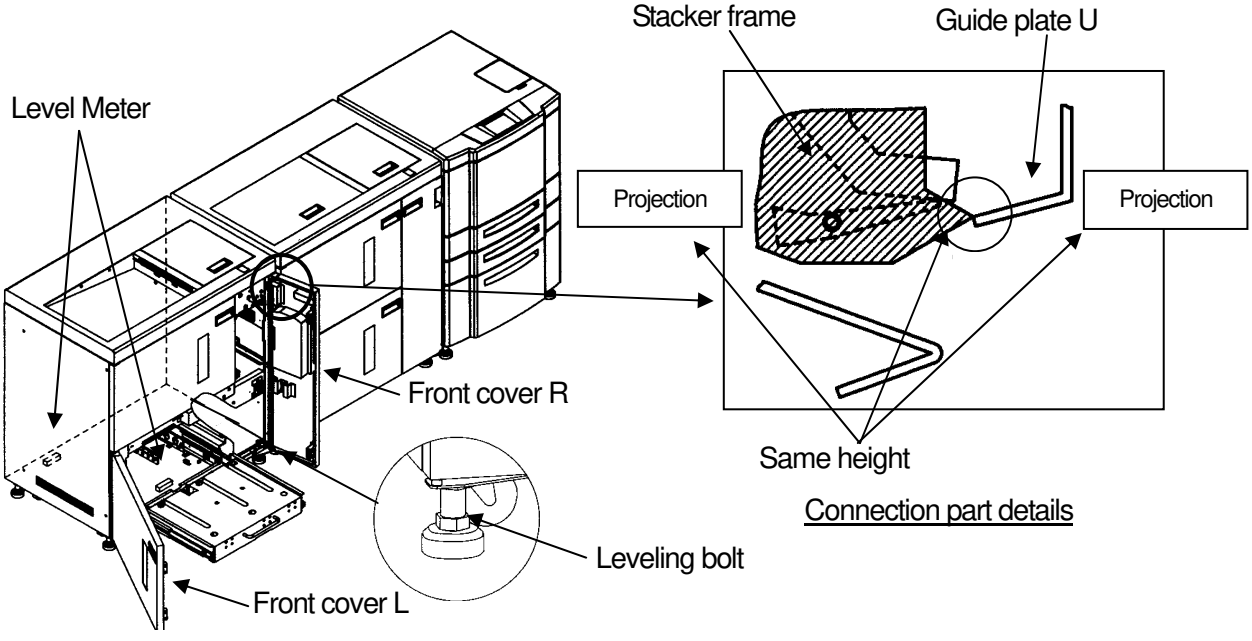
6) Install the Container Stacker 1 to the Container Stacker 2. The screw is the thing of the temporary stopping.



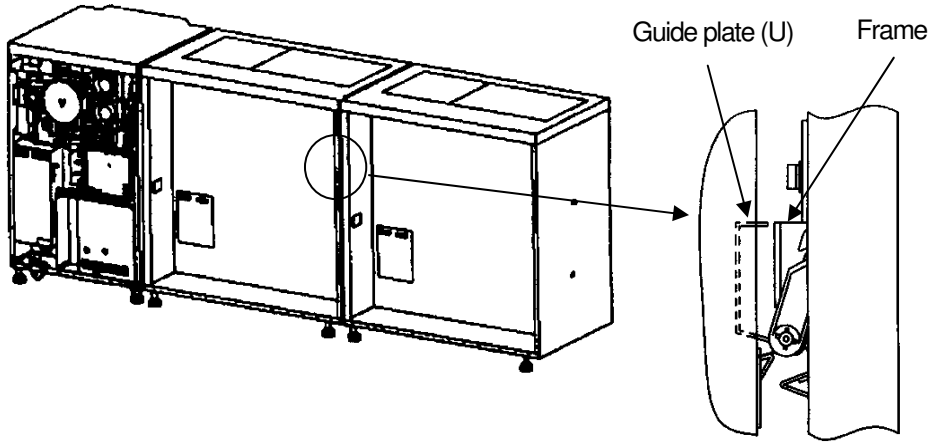
7) In order to adjust the height of Container stacker, turn 180 degrees each of four leveling bolts, and satisfy the following conditions, and bolt the screw of a temporary tight.

(1) When Front cover R is shut and it looks into the space between Container stacker 2 and Container stacker 1 from a front side, the height of the Frame's projection of Container stacker and the Guide plate U's projection is the same.

[Note] As for the way of opening front cover L, refer to the item 3.3.



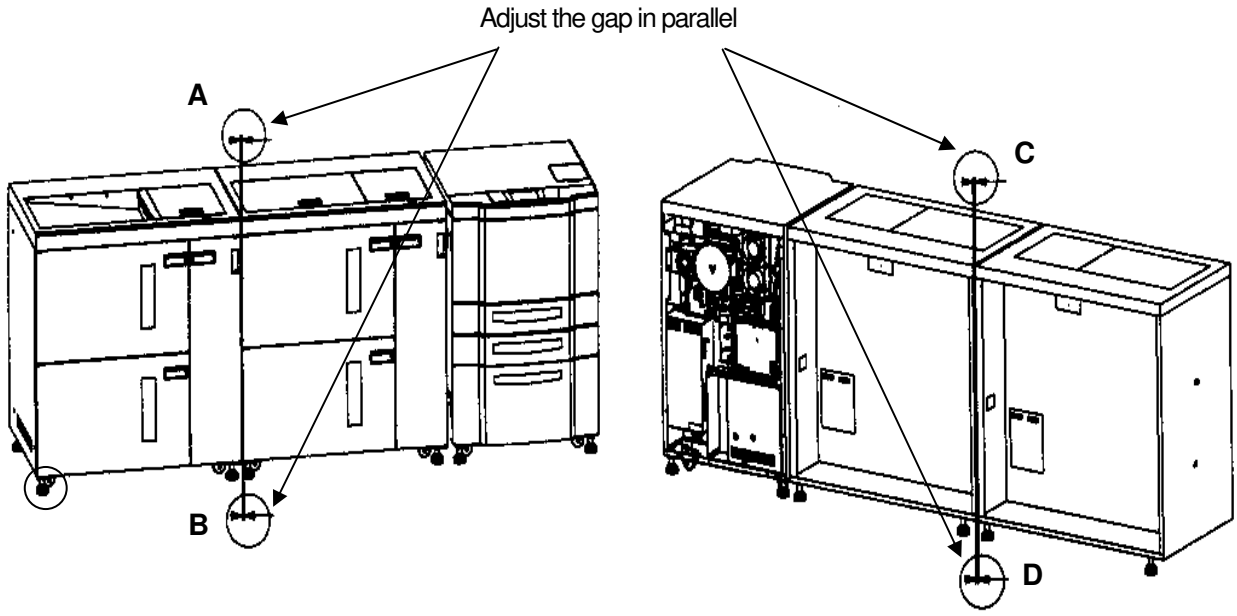
(2) It looks into the space between the Container stacker 2 and Container stacker 1 from a rear side, the height of the Frame's upper part of Container stacker 1 and the Guide plate U's upper part is the same.
(3) Put the Level Mater on two places of Container stacker is level.



Connection part details

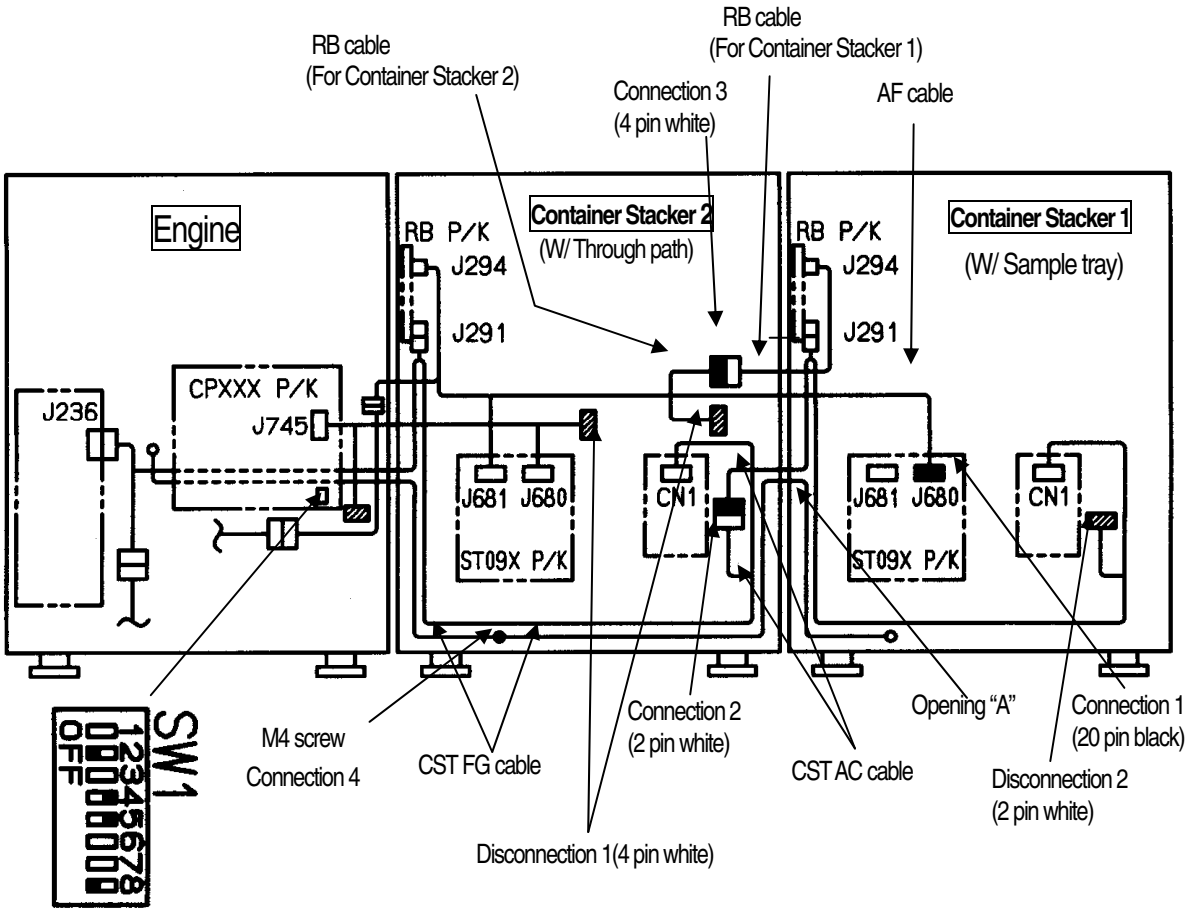
CHECK

Check the Gaps of A,B,C,D are nearly equal each other.

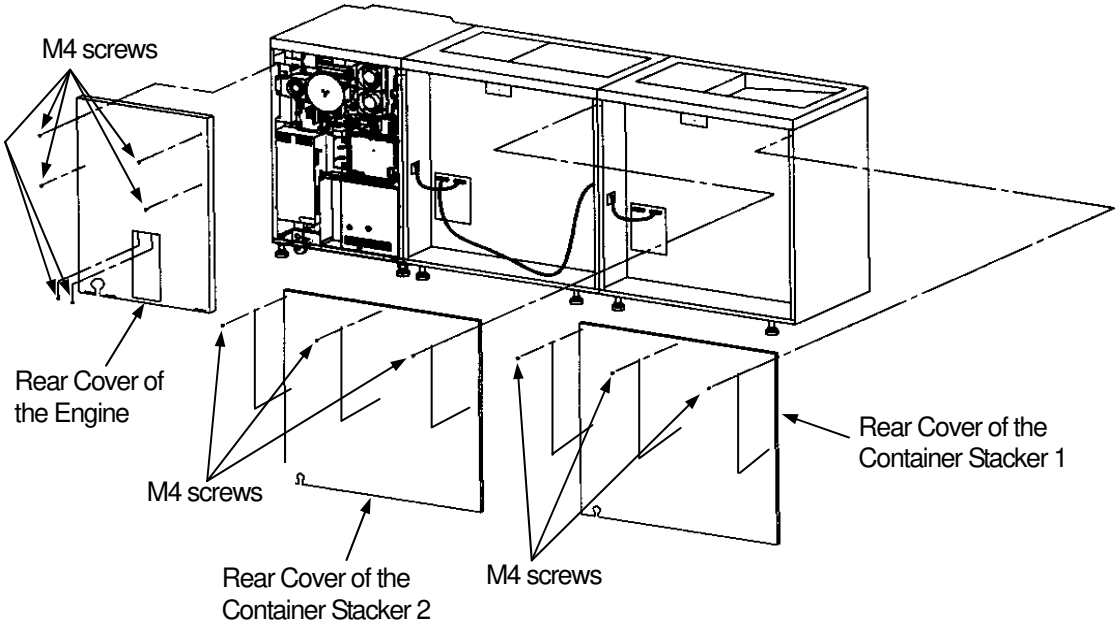


8) Connect the FNS IF cable (4 pin white connector) coming from the Container Stacker 2 to the J680 on the ST09X P/K of the Container Stacker 1. (Connection 1 on the below figure)
9) Take out the CST AC cable (2 pin white connector) from the Container Stacker 1 and connect it to the CST AC cable (2 pin white connector) of the Container Stacker 2. (Connection 2 on the below figure)
10) Take out the RB cable (4 pin white connector) from the Container Stacker 1 and connect it to the RB cable (4 pin white translucence) of the Container Stacker 2. (Connection 3 on the below figure)
11) Mount the CST FG cable coming from the Container Stacker 1 on the frame of the Container Stacker 2 by using M4 screw (Connection 4 on the below figure).
12) Turn on the No. 4 and No. 5 and turn off the No. 2 and 8 of the SW1 mounted on the CPXXX P/K of the Engine.

[Note] Put the cable through the opening "A" of the Engine for connection.

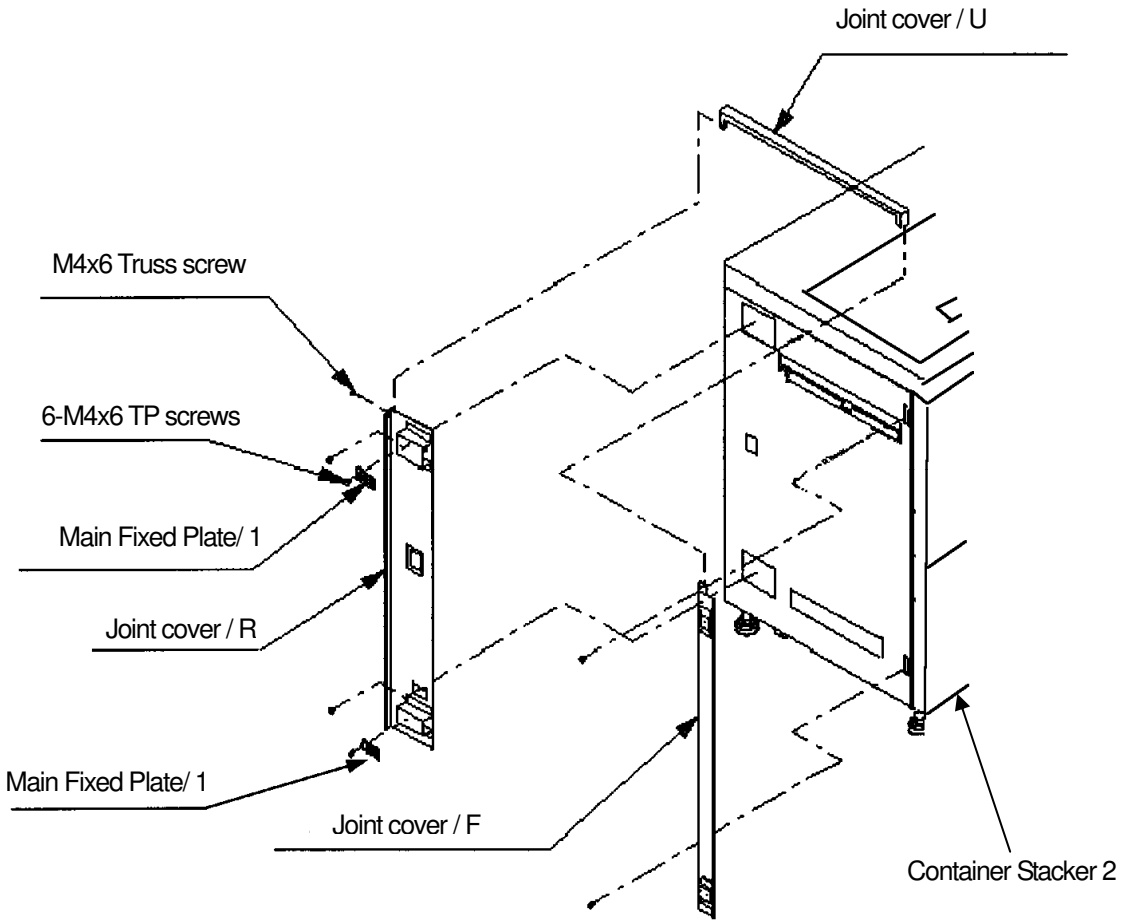


13) Install the Rear Covers of the Engine, Container Stacker 1 and Container Stacker 2.



4.3.3 Connection of the Container Stacker 2 and Finisher / Finisher SR5000 [FS-108H / FS108R]

1) Install the Joint Cover /F, Joint Cover /U and Joint Cover /R to the Container Stacker 2, and install the two Main Fixed Plate/1 to the Joint Cover /R.



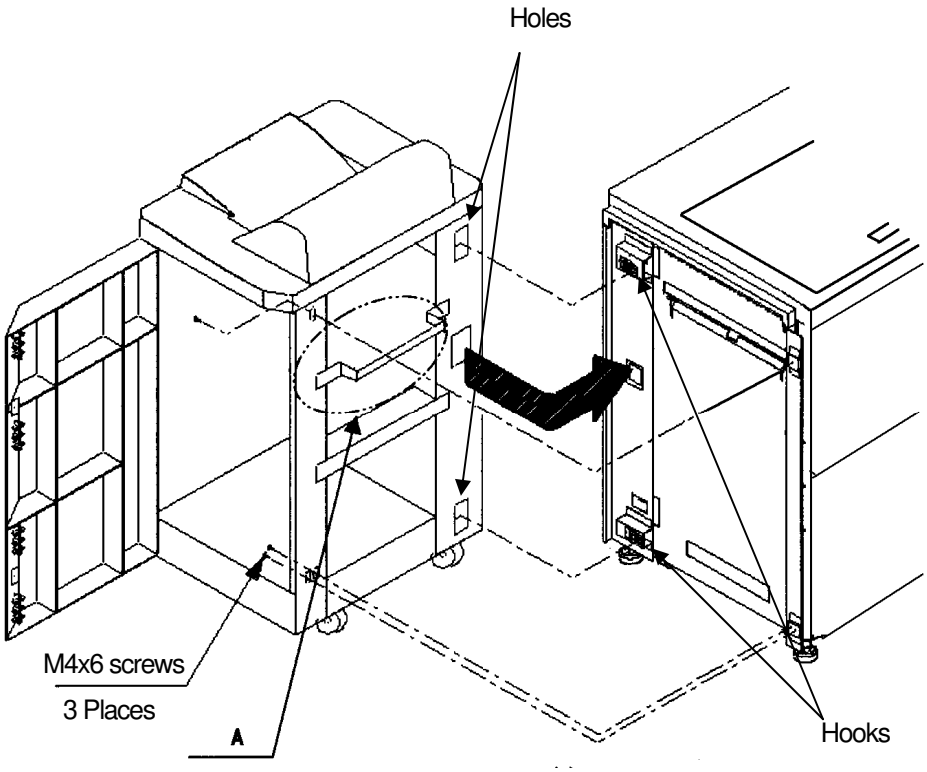
2) Remove the rear covers from the Engine, Container Stacker 2 and Finisher.

3) Install the Finisher to the Container Stacker

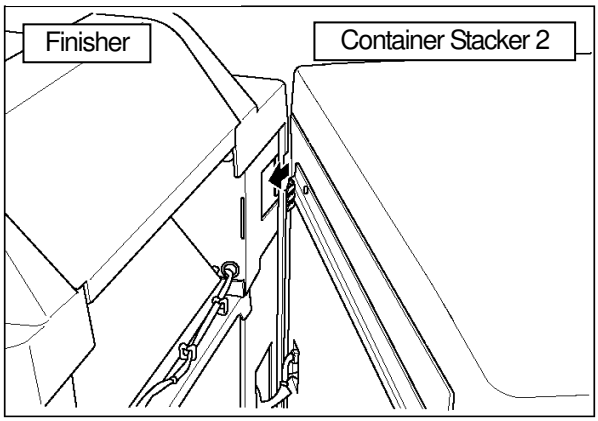
(1) Fit the hooks on the Container Stacker installation plates (upper and lower) into the upper and lower holes on the Finisher as illustrated below, then lock them by pushing the Finisher to the back.

CAUTION

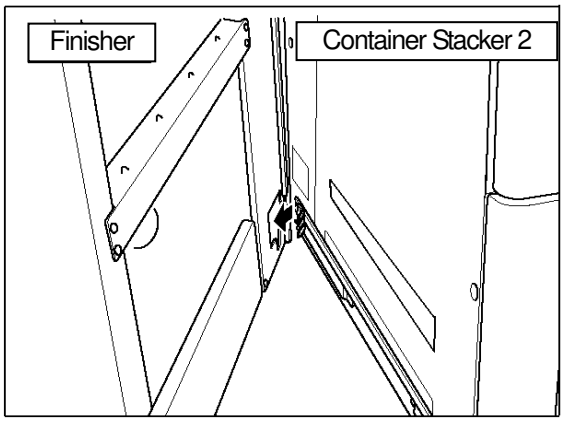
When installing the Finisher, don't hit following "A" part to the Printer.
Confirm the SB cover opens and shuts smoothly after attaching.



Upper view



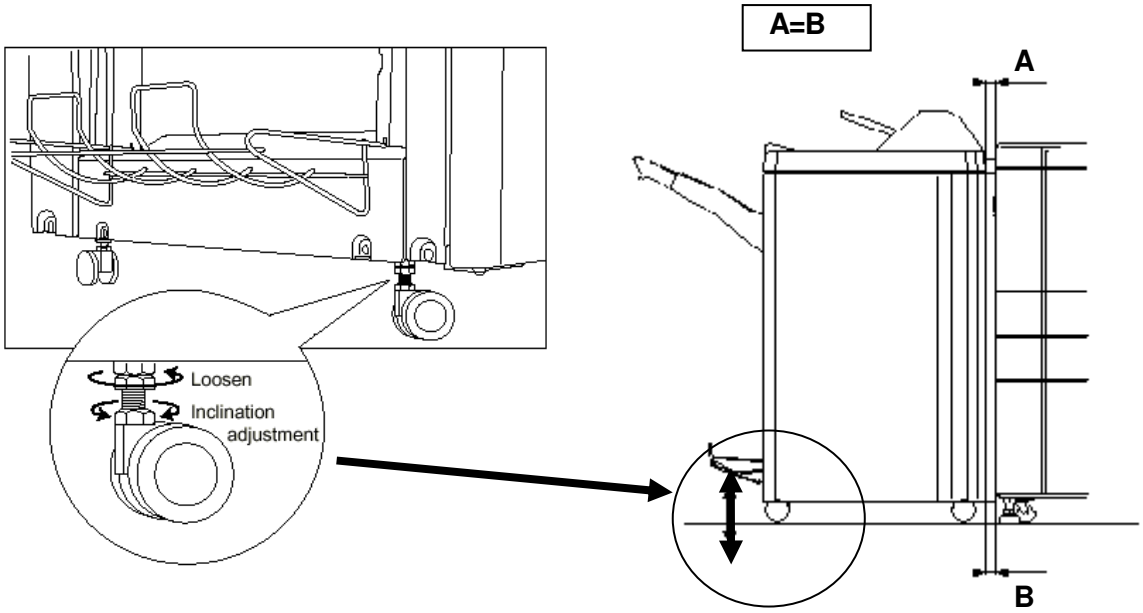
Lower view



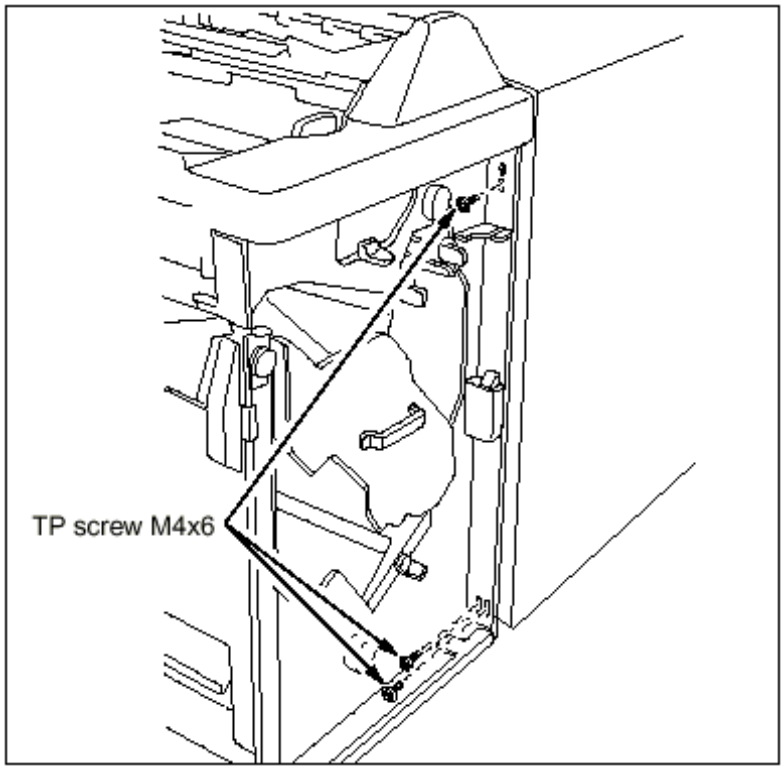
CAUTION

If the gap between the Finisher and Container Stacker is not equal from the top through the bottom, adjust it by the height of the front and rear casters on the paper exit side of the Finisher.

The jack of the printer is adjusted when the SB cover doesn't open and shut smoothly, the printer is lowered, and the SB cover opens and shuts smoothly.

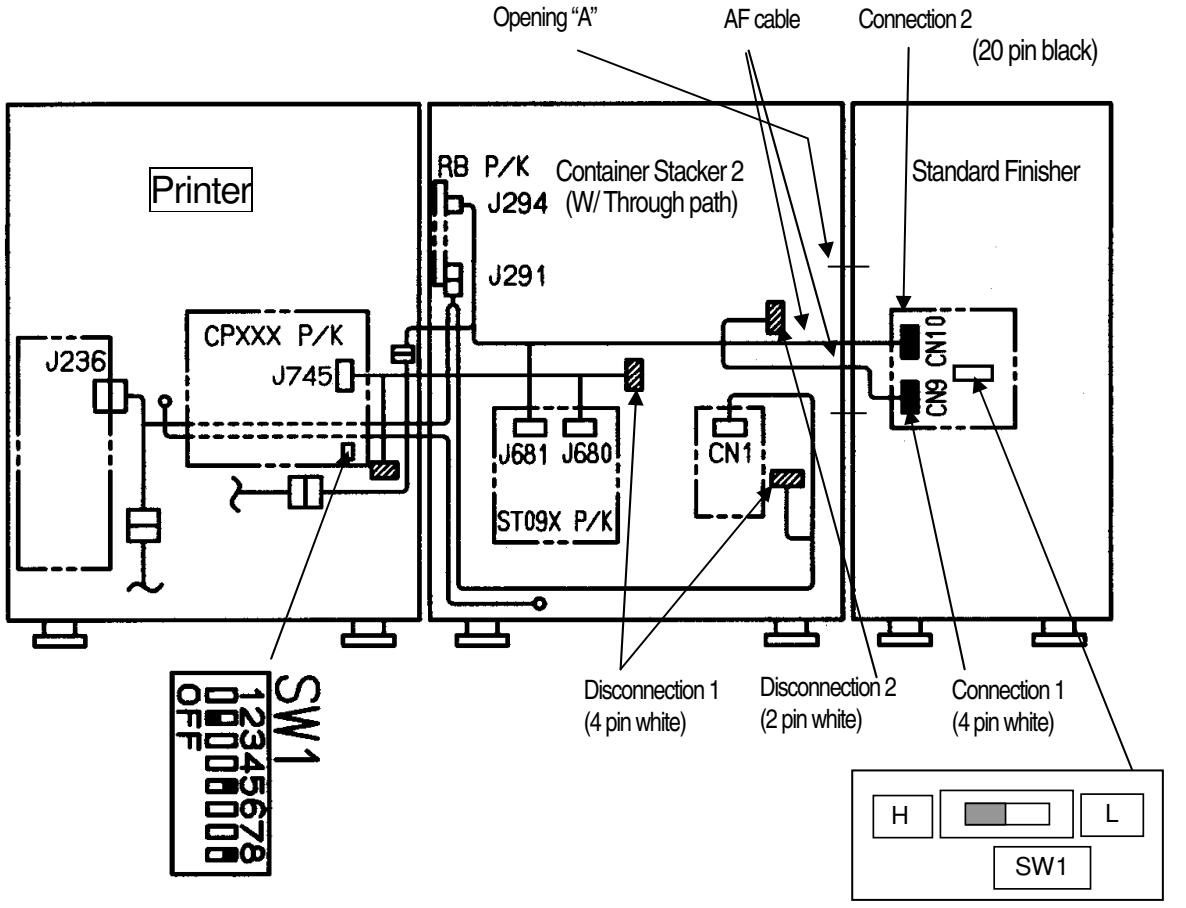


(2) Fix the Finisher to the Printer (front side only). (TP screw M4x6: 3)



4) Connect the FNS IF cable (4 pin white connector) coming from the Container Stacker 2 to the 4 pin white connector in the Finisher (Connection 1 on the below figure).
5) Connect the FNS IF cable (20 pin black connector) coming from the Container Stacker 2 to the CN7 connector on the Finisher main P/K (Connection 2 on the below figure).
6) Turn on the No. 5 and 8 and turn off the No. 2 of the SW1 mounted on the CPXXX P/K of the Engine.
Turn on the "H" of the SW1 mounted on the P/K of the Finisher(FS-108R).
(RoHs Compliance Unit)

[Note] Put the cable through the opening "A" of the Container Stacker 2 for connection.

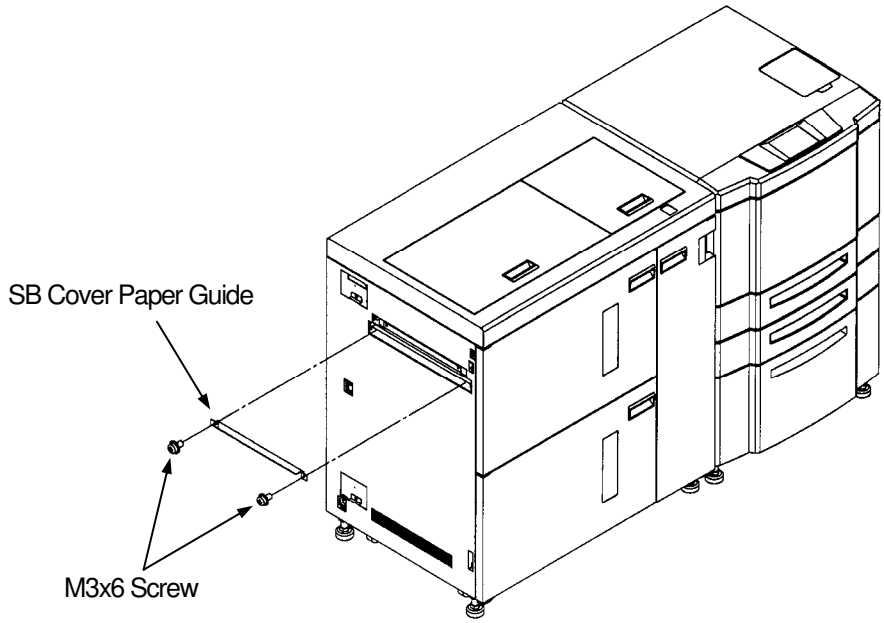


[FS-108R] (RoHS Compliance Unit)

7) Install the Rear Covers of the Printer, Container Stacker 2 and Finisher.

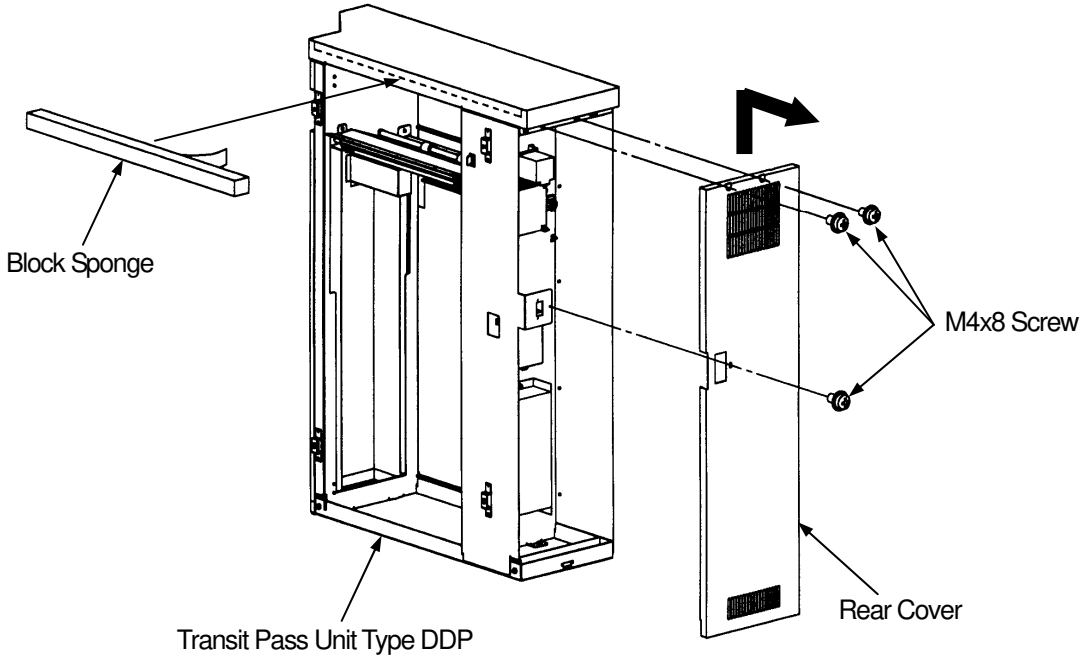
[Finisher SR5000] with Transit Pass Unit Type DDP

8) Install the SB Cover Paper Guide to the Container Stacker.

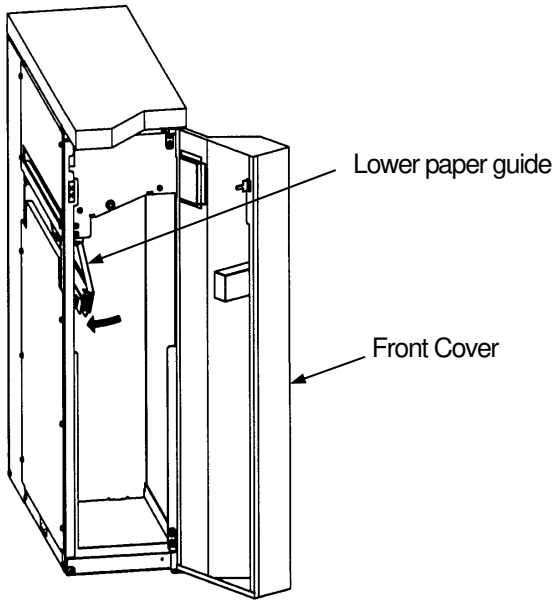


9) Releasing the Rear Cover of the Transit Pass Unit Type DDP.
   (1) Unscrew the three M4 Screws.
   (2) Unhook the lower hook of the Rear Cover and release the Rear Cover.
   (3) (Release the Rear Cover by lifting up and pulling forward.)

10) Install the Block Sponge to the Transit Pass Unit Type DDP.



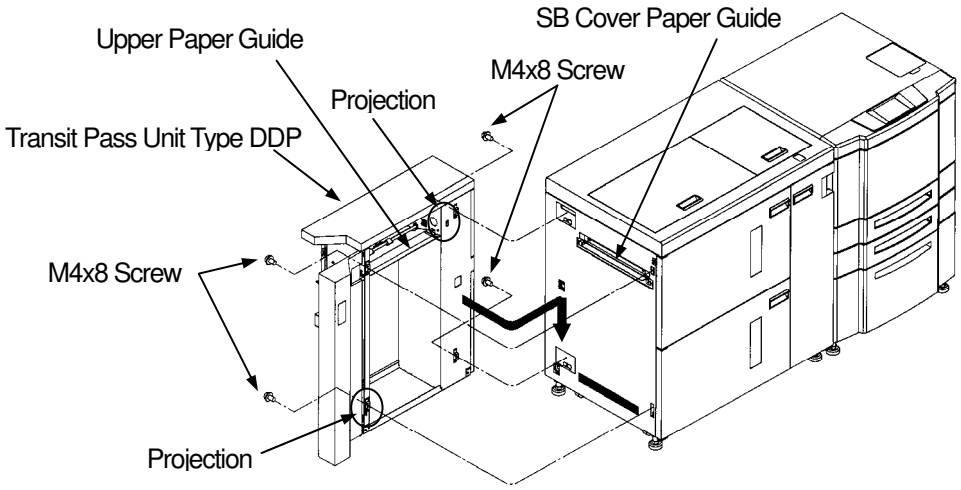
11) Open the Front Cover and Lower paper guide.



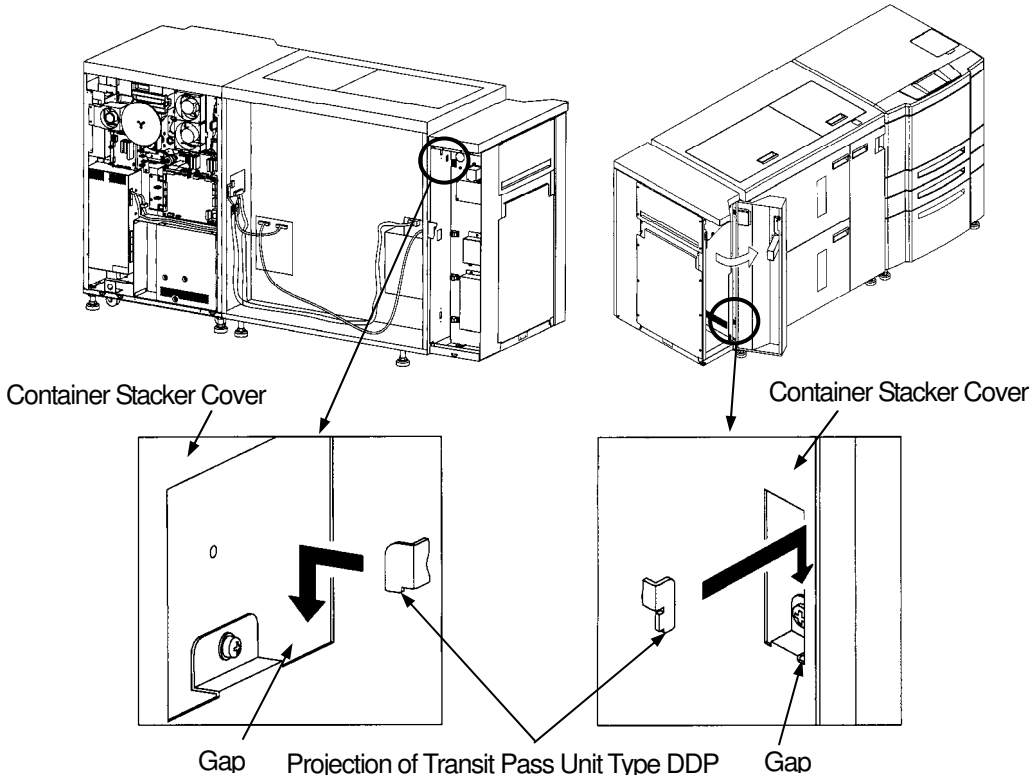
12) Install the Transit Pass Unit Type DDP to the Container Stacker.

NOTE

Install it carefully so that Upper Paper guide and SB Cover Paper Guide do not collide



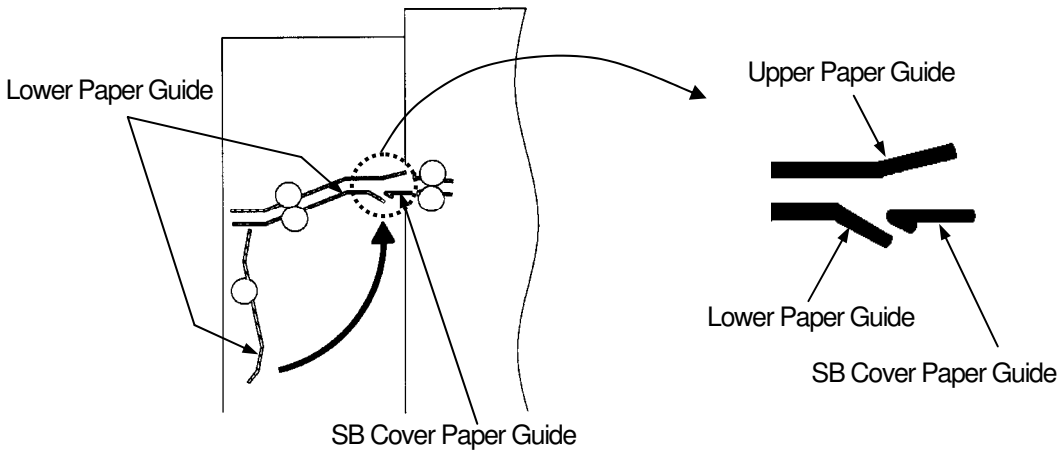
(1) Insert the two Projections in the Gap.



(2) Install the Transit Pass Unit Type DDP by using the four M4x8 Screws.

(3) Close the Lower paper guide and Front Cover.

CHECK
Open and close the Lower paper guide. When Lower Paper Guide and SB Cover Paper Guide collide, repair it by hand because SB Cover Paper Guide may transform it.



13) Connect the connector of cables to Container Stacker and Transit Pass Unit.

(1) Disconnect the Signal Cable from EDxxx PK in the Transit Pass Unit Tyoe DDP.
(white 8pin connector and black 22pin connector)

(2) Connect the Signal Cable(CS) to EDxxx P/K of the Transit Pass Unit Type DDP.
(white 8pin connector and black 22pin connector)

(3) Pass the three cables through the Hole of Container Stacker and Transit Pass Unit Type DDP from Transit Pass Unit Type DDP to Container Stacker.
- AC cable (white 2pin connector) x2
- Signal cable(CS) (black 20pin (big size) / black 20pin (small size) / black 14pin / black 22pin connector)
- GND cable

(4) Pass the one cable through the Hole of Container Stacker and Transit Pass Unit Type DDP from Container Stacker to Transit Pass Unit Type DDP.
- FNS IF cable (white 4pin / black 20pin connector)

(5) Disconnect the FNS I/F cable from J681 connector on the ST board. **(Disconnection 1)**
Connect the Signal Cable(CS) to the connector on the ST board as follow. **(Connection 1)**
- black 20pin connector (big size) -> J681

(6) Pass the one cable through the Hole of Printer and Container Stacker from Container Stacker to Printer.
- Signal cable(CS) (black 20pin (small size) / black 14pin connector / black 22pin connector)

(7) Remove the OCxxx PK.

(8) Connect the Signal Cable(CS) to the connector on the CP board as follows.
(Connection 2)
- black 22pin connector -> between J717 and the original cable
- black 20pin connector (small size) -> J747(another side is not be connected)
- black 14pin connector -> J791(another side is not be connected)

(9) Attach the OCxxx PK.

(10) Connect the AC cable (white 2pin connector).
Then, another side connector of AC cable is not used.
(Connection 3)

(11) Mount the FG cable on Container Stacker frame by using M4 screw.
(Connection 4)

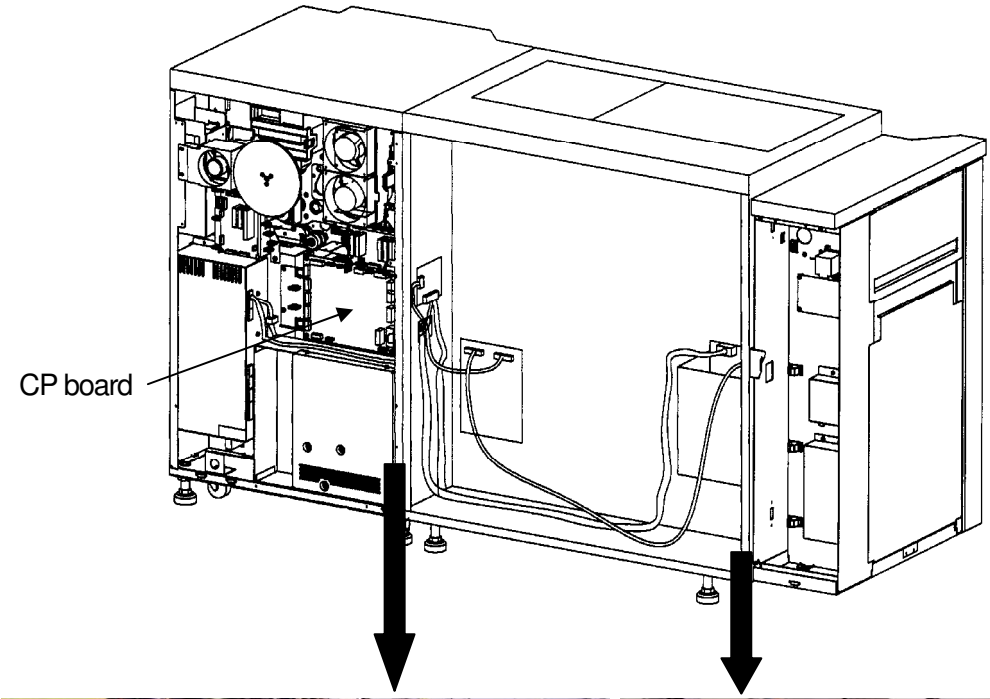
(12) Connect the FNS IF cable to the white 4pin connector in the Transit Pass Unit Type DDP.
(Connection 5)

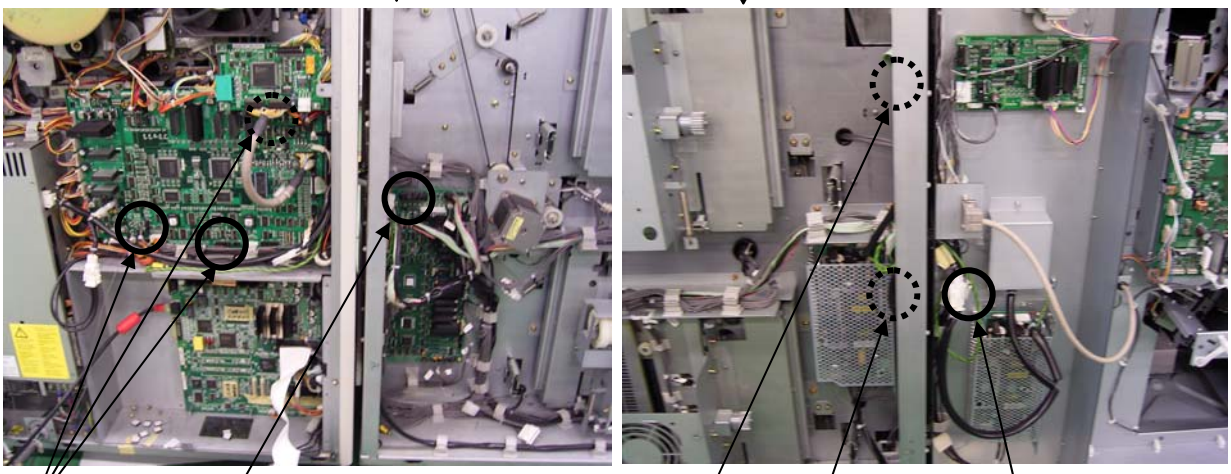
(13) Switch on No.5 of SW1 on the CP board of the Printer.

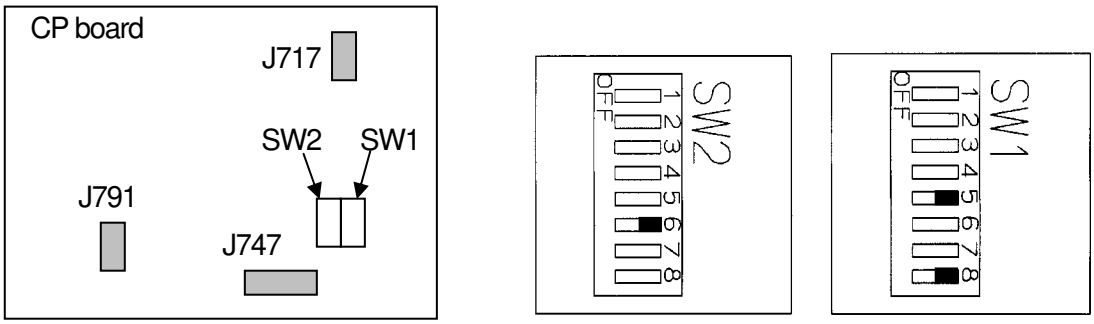
(14) Switch on No.8 of SW1 on the CP board of the Printer.

(15) Switch on No.6 of SW2 on the CP board of the Printer.

Note 1) Green flat cable (20pin) of FNS IF cable in the Container Stacker and Transit Pass Unit Type DDP is **not** used.

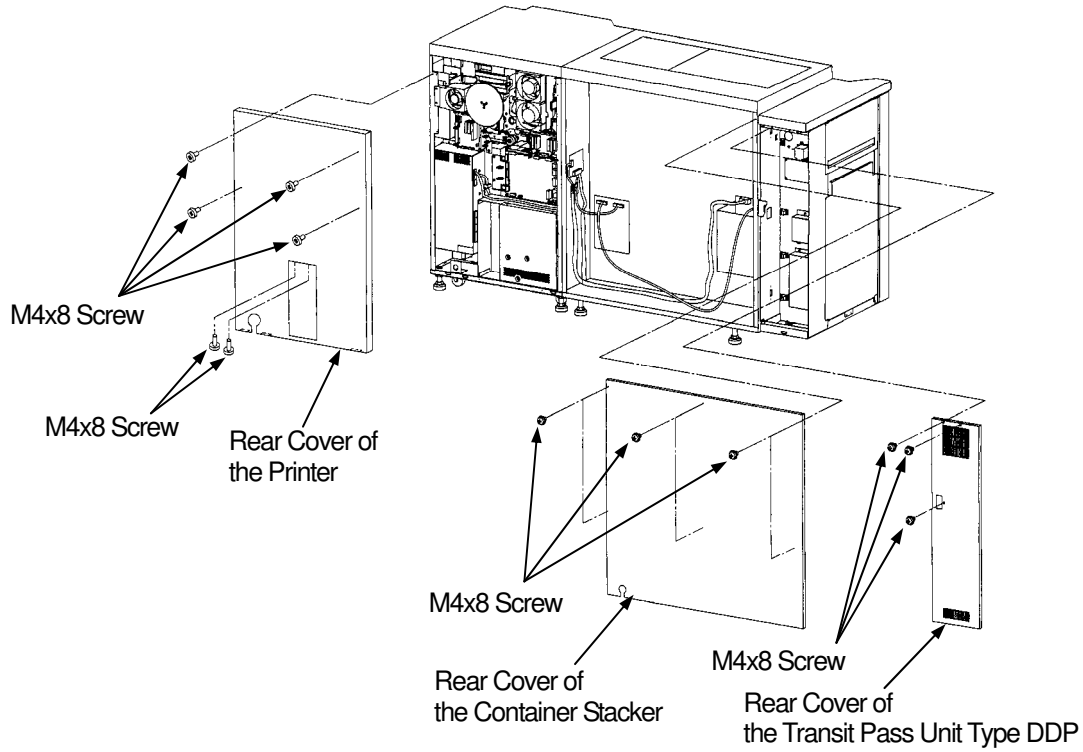




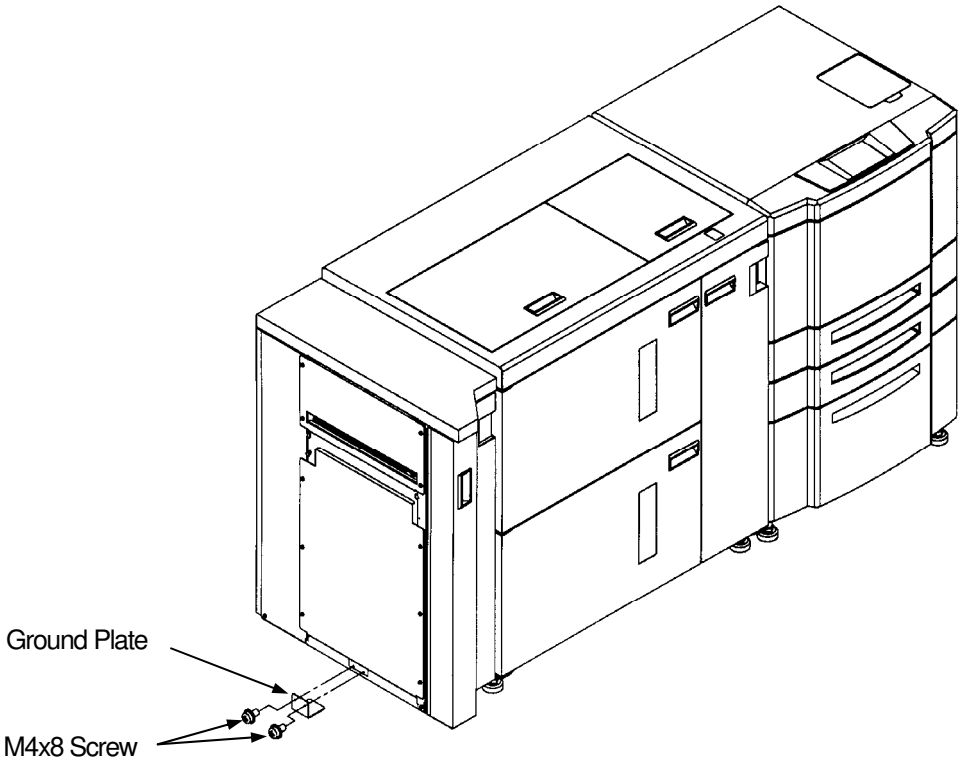


Location of connection 2 and DIP SW

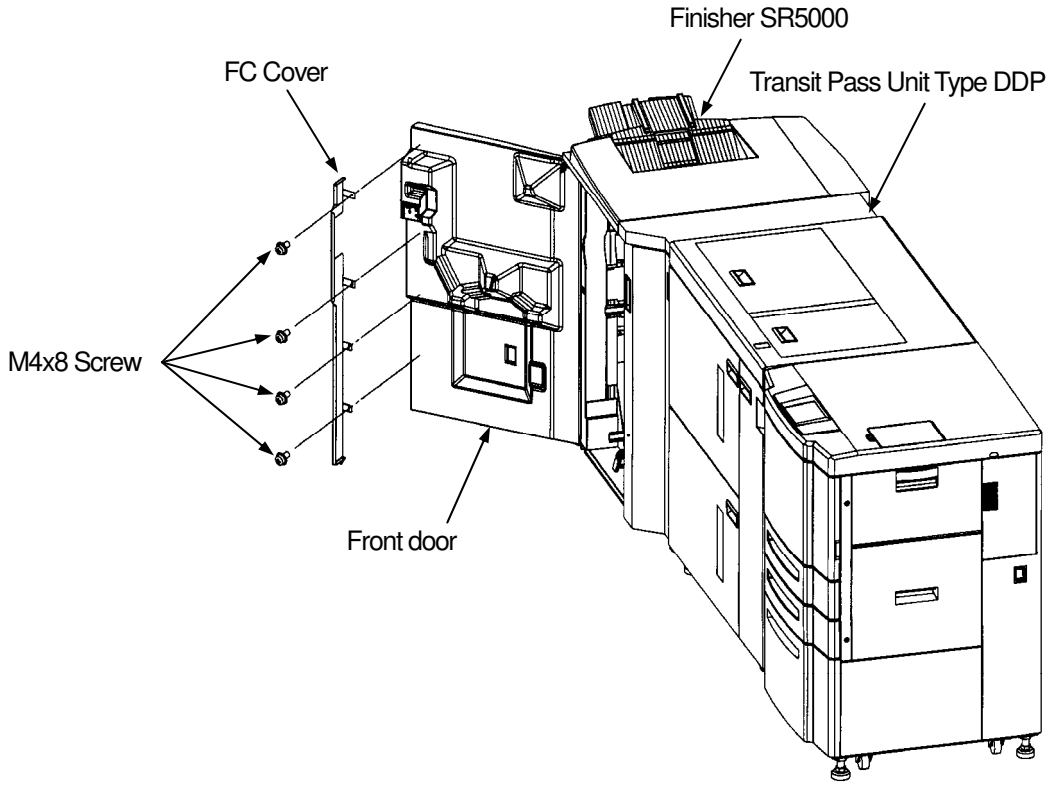
14) Install the Rear Cover of the Printer, Container Stacker and Transit Pass Unit Type DDP.



15) Install the Ground Plate to the Transit Pass Unit Type DDP.



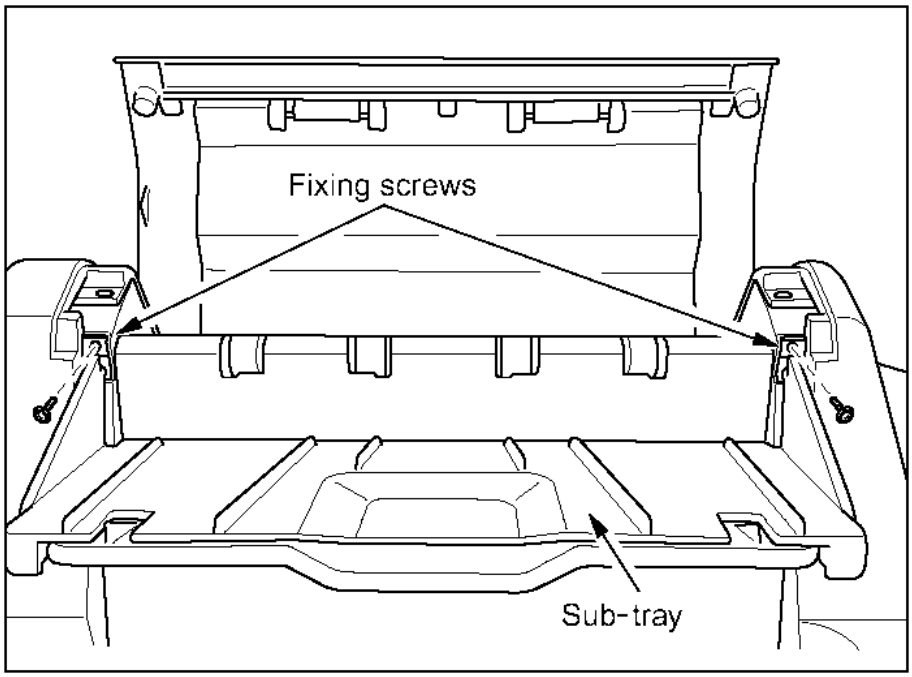
16) Install the Finisher SR5000 to the Transit Pass Unit Type DDP.
   (1) Refer to the Installation Procedure of the Finisher SR5000.
   (2) Install the FC Cover to the front door on the Finisher SR5000.



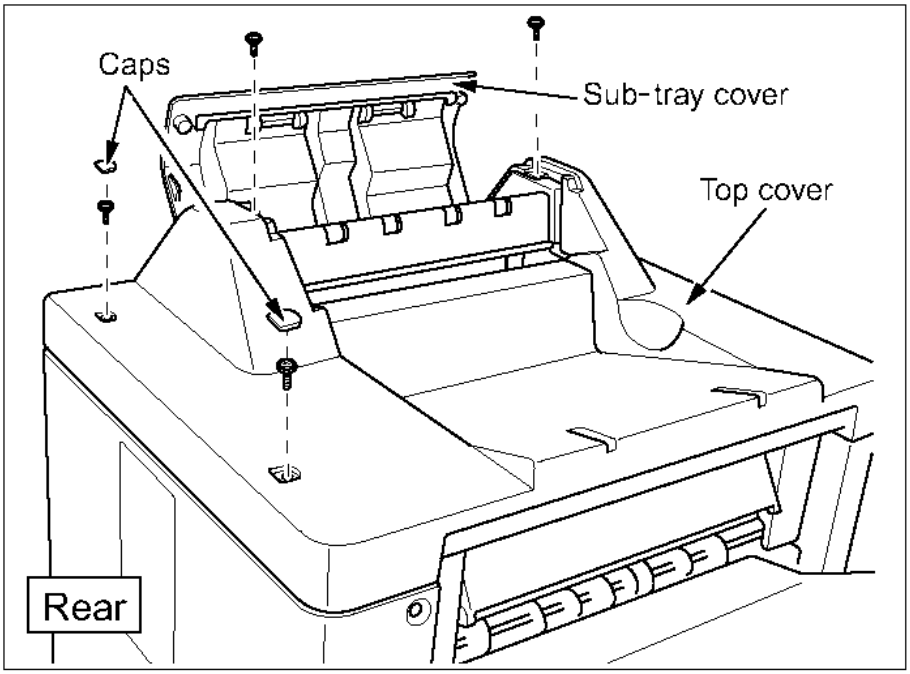
4.4 Installation in the composition with the Cover Sheet Feeder

(Use only FS-108H & FS-108HBM. No RoHS Compliance Unit)

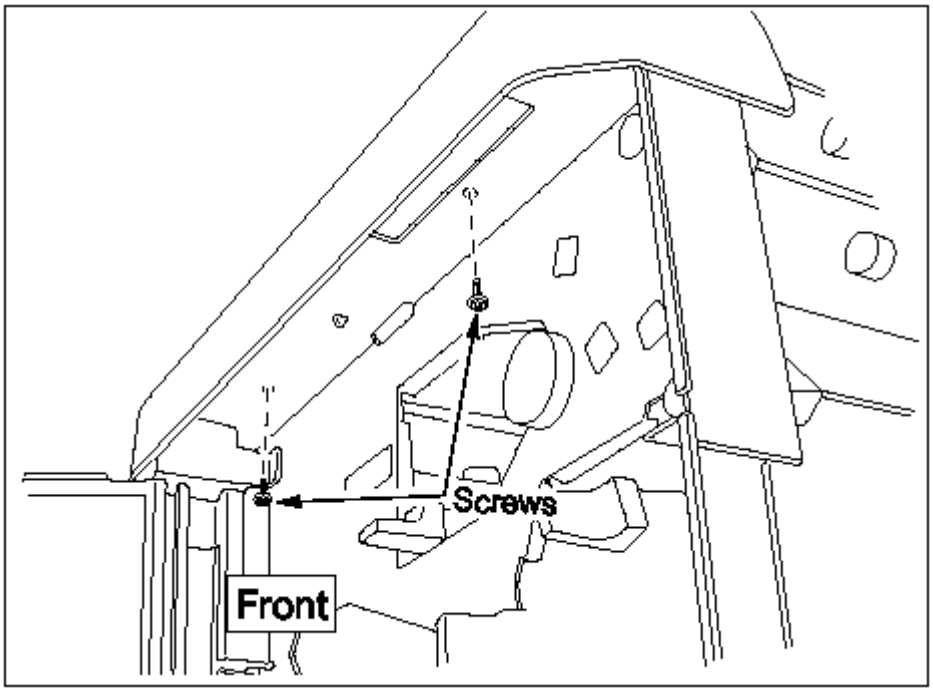
1) Remove the Top cover from the Finisher.
   (1) Open the Sub-tray cover, remove the fixing screws, and then remove the Sub-tray.



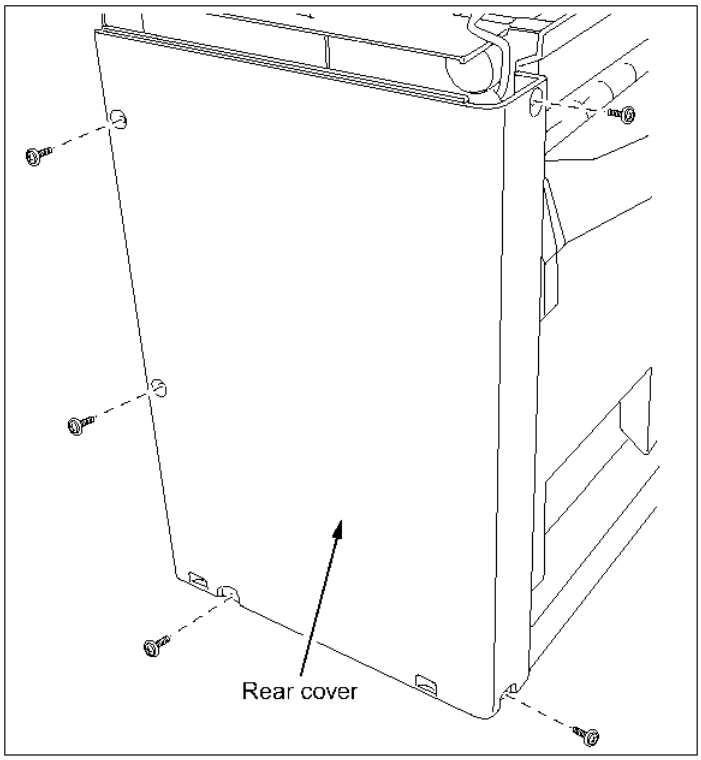
   (2) Remove the Caps on the rear side of the Top cover and then remove the two screws.
   (3) Remove the two screws in the Sub-tray cover.



(4) Open the Front door, then remove the two screws from the front side of the Top cover.

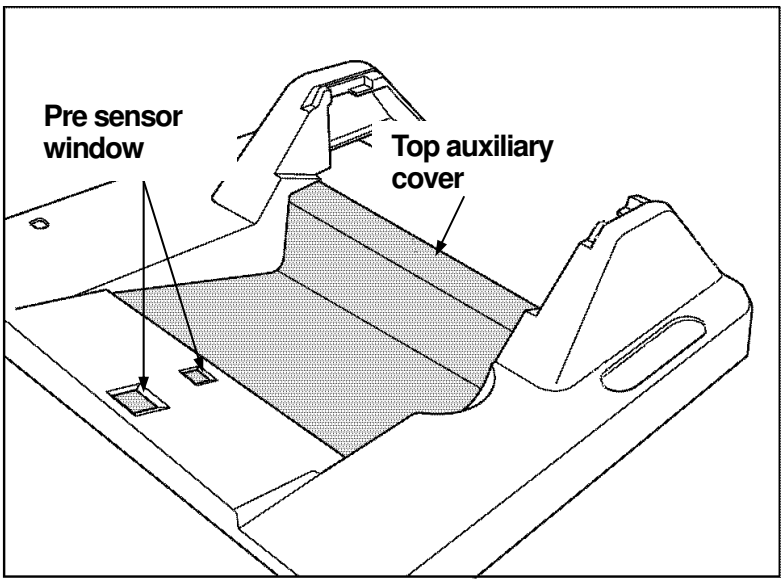


2) Remove the Rear cover from the Finisher.
Truss screw M4x6: 5

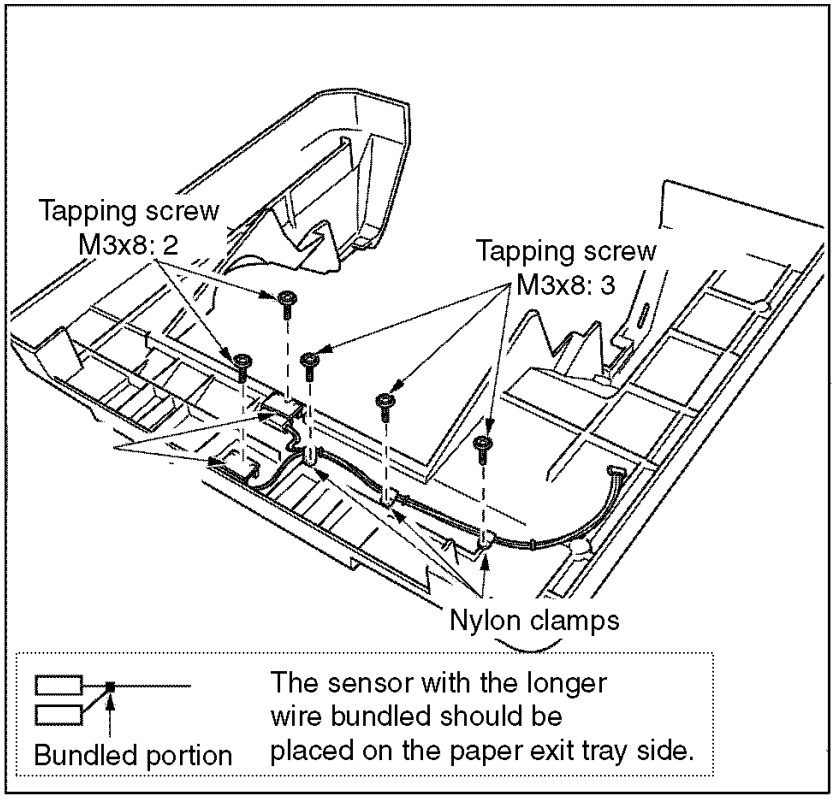


3) Cut off the coverings for the Cover Sheet Feeder fixtures from the Top cover.
   (1) Cut off the Top auxiliary cover.
   (2) Cut off the coverings for the Pre Sensor window.

   [Note] Remove any remaining burrs after cutting off the parts.



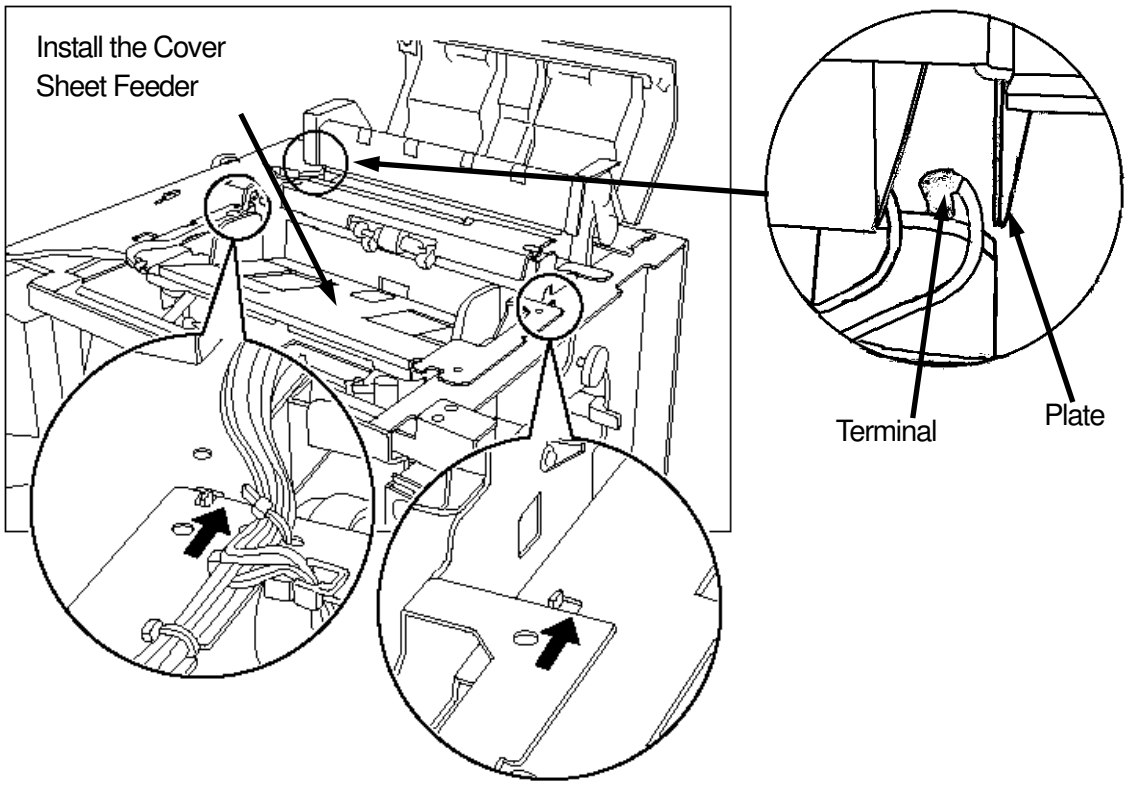
4) Install the accessories on the underside of the Top cover.
   (1) Install two Pre-sensors. (Tapping screw M3x8:2)
   (2) Secure the wires from the Pre-sensors with the Nylon clamps in three places. (Use three 3N Nylon clamps and three M3x8 Tapping screws.)



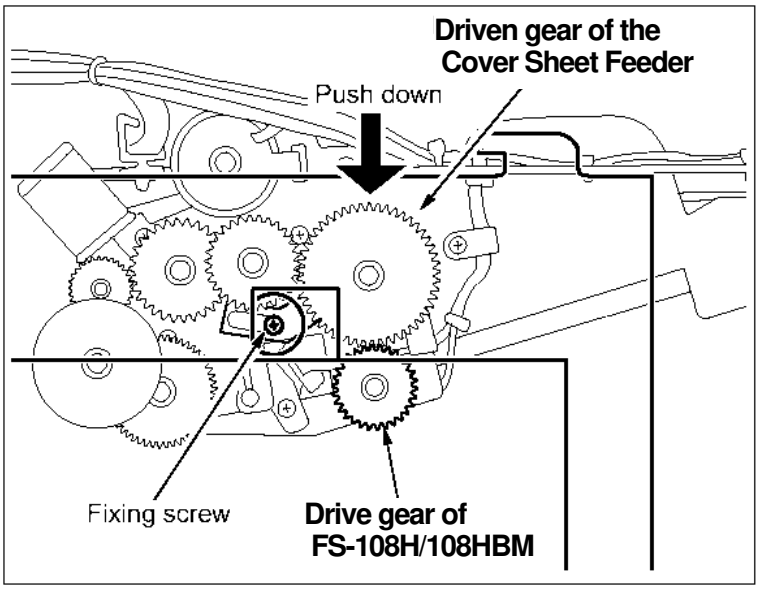
5) Install the Cover Sheet Feeder.

(1) Install the Cover Sheet Feeder on the top of the Finisher. (TP screw M4x6: 6)

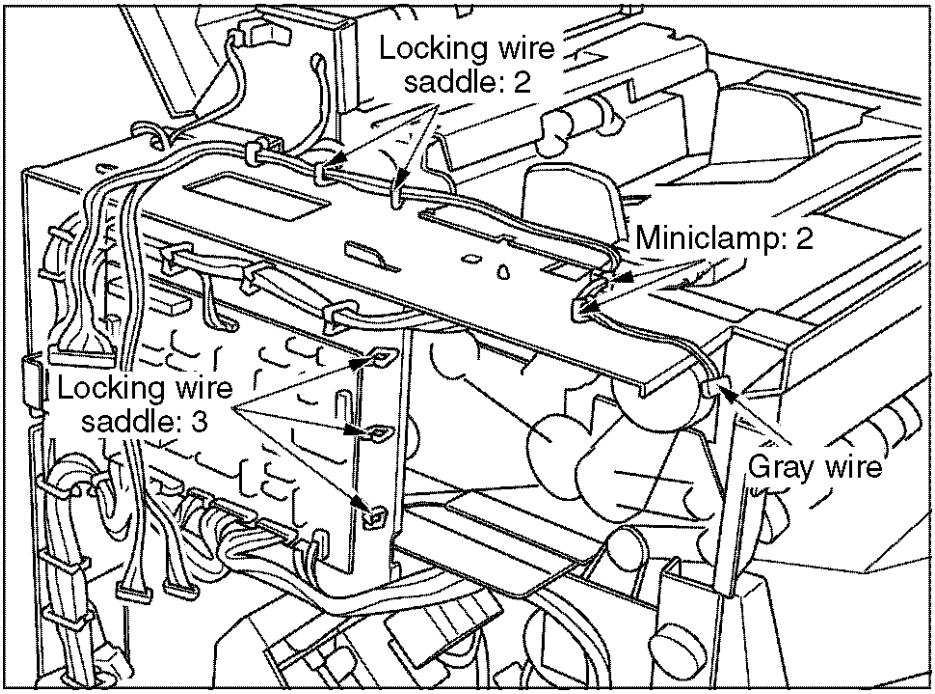
[Note] When installing the Cover Sheet Feeder, make sure to position it by pushing toward the Printer side.
Don't hit the terminal of motor to the plate edge.



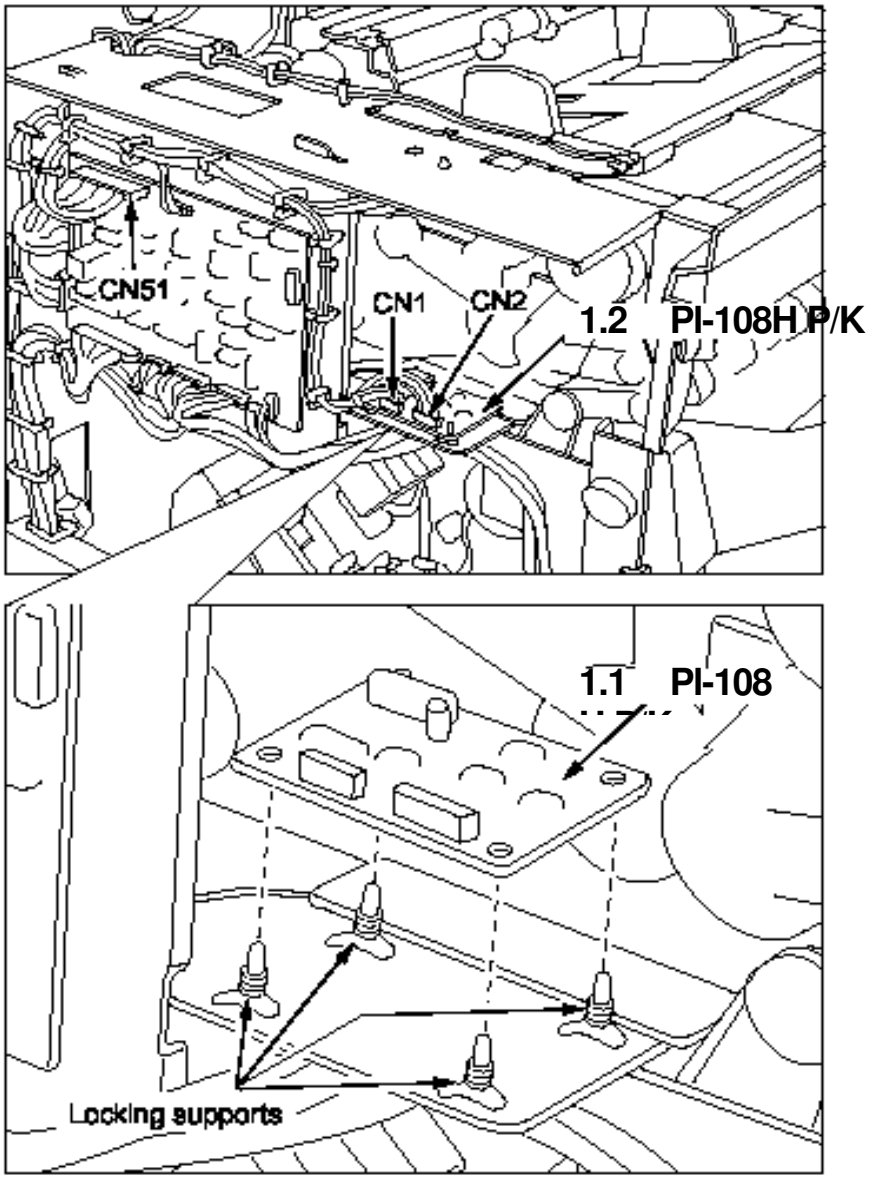
(2) Push down the Driven gear of the Cover Sheet Feeder so as to engage it with the Drive gear of the Finisher, then fix it with a screw.



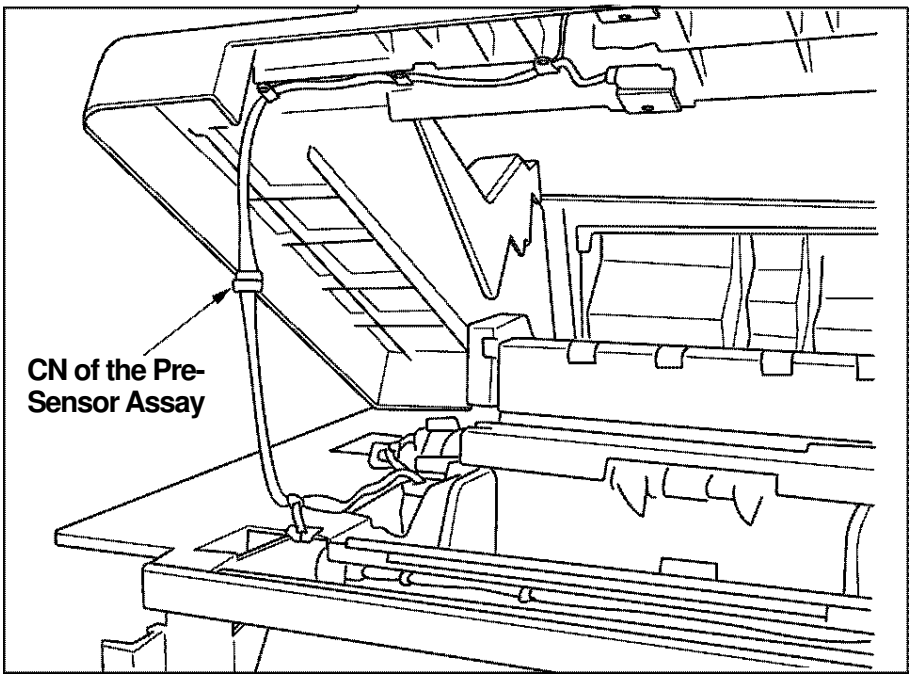
6) Arrange the wire bundle.
   (1) Insert five locking wire saddles into the Finisher.
   (2) Secure the bundle with three wire saddles on the top.
   (3) Insert the two Miniclamps into the Finisher.
   (4) Secure the gray wire with the two Miniclamps.



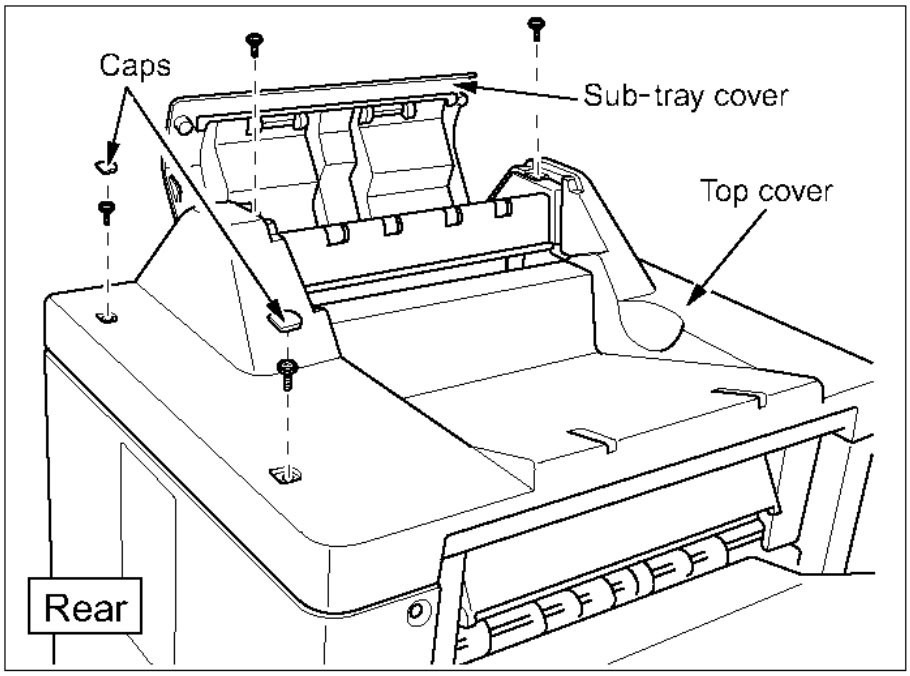
7) Arrange the wire bundle on the back of the Finisher and Install the PI-108H P/K.
   (1) Lead the remaining two wires from the Cover Sheet Feeder through the hole on the back the Finisher.
   (2) Connect the shorter CN to CN 51 on the FS-108H P/K / FS-108HBM P/K.
   (3) Insert the four locking supports.
   (4) Set the PI-108H P/K onto the locking support.
   (5) Connect the CN1 and CN2 to the PI-108H P/K.



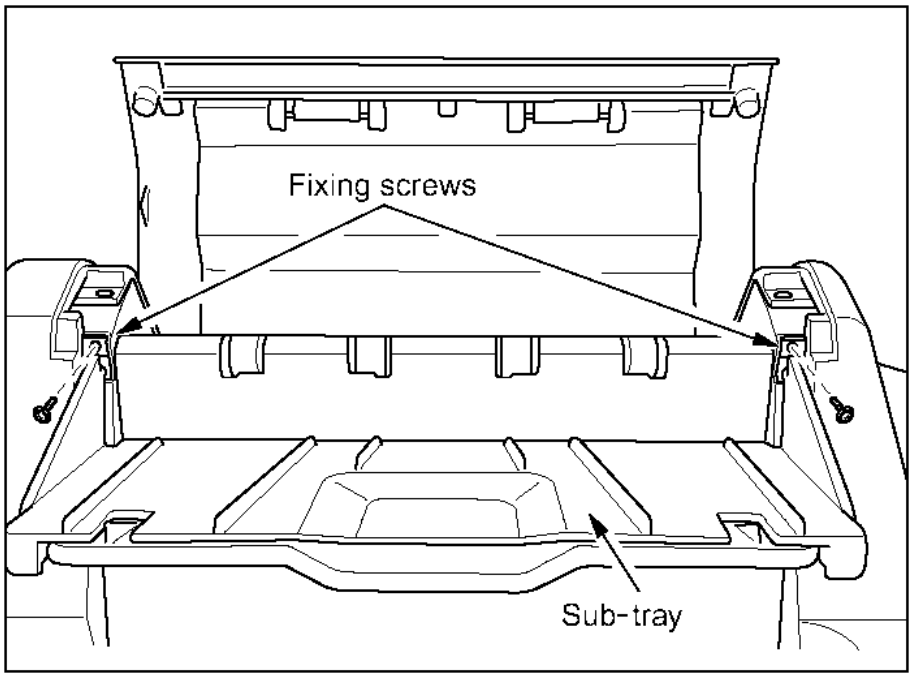
8) Reinstall the Top cover.
   (1) Connect the CN of the Pre Sensor Assay.



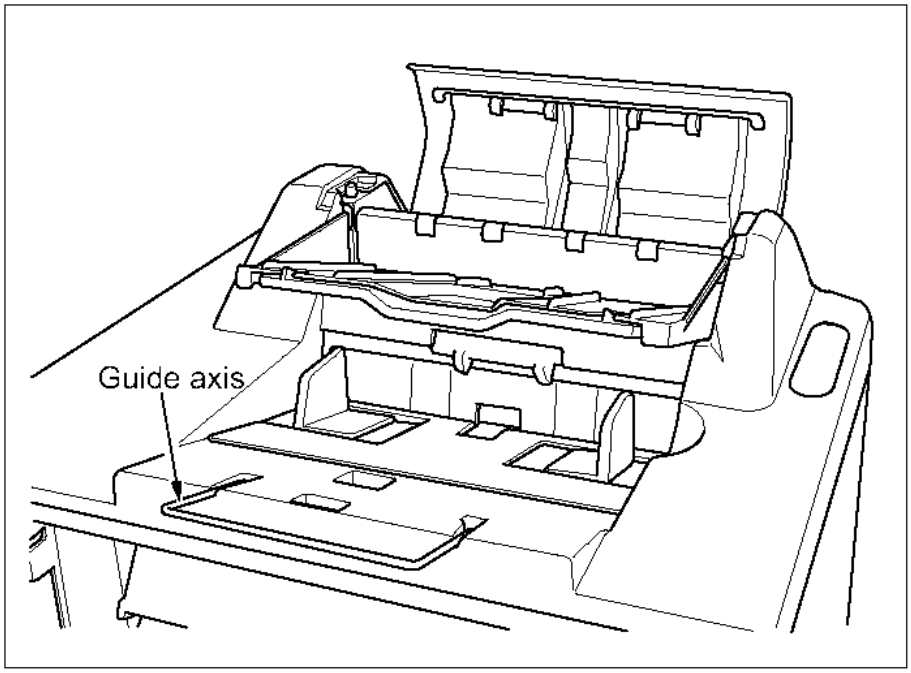
   (2) Set and tighten the two screws on the rear side of the Top cover and put the caps back on.
   (3) Set and tighten the two screws on the front side of the Top cover.
   (4) Set and tighten the two screws on the Sub-tray cover.



(5) Install the Sub-tray on the secondary exit portion, then fix it with the two screws.



9) Reinstall the Rear cover.
10) Install the Guide axis.



[Note]

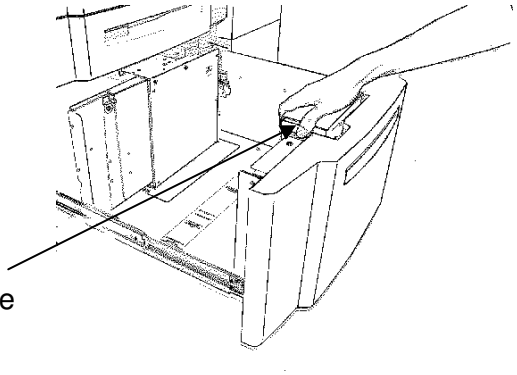
The Printer detects the configuration error (E259) because a configuration information (without Cover Sheet Feeder) which the printer had memorized is different from one (with cover-sheet-feeder) reported from the finisher when the power supply injection after Cover Sheet Feeder attachment,

Confirm the connection of the connector(CN51 or CN1) in case that the Cover Sheet Feeder does not appear on the OCP though it is connected. (Refer to item 4.4 7)

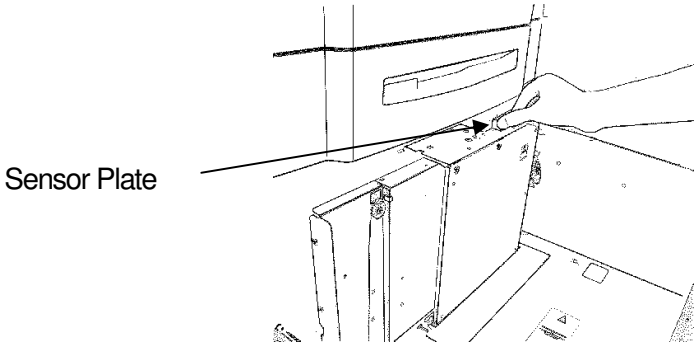
Chapter 5. Checks

5.1 Check the print contamination

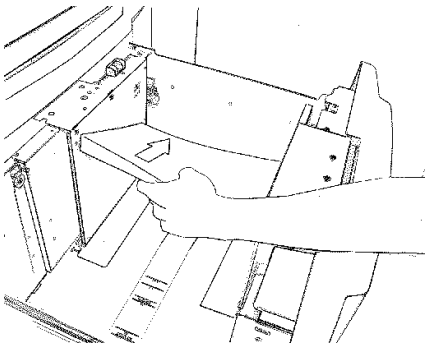
1) Adjust the size guide of tray 1 to the A4 size or the Letter size.



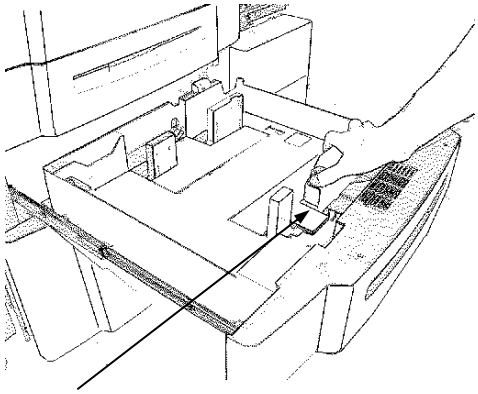
2) Adjust the sensor plate of tray 1 to A4 or LTR.



3) Place the A4 size paper or the Letter size paper into the tray 1.



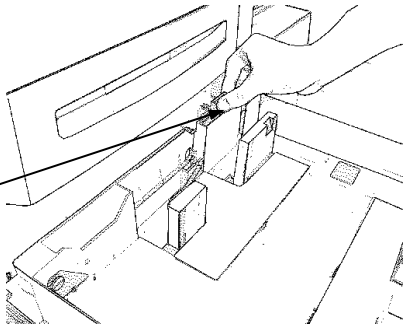
4) Adjust the size guide of tray 2 and tray 3 to the A4 size or the Letter size



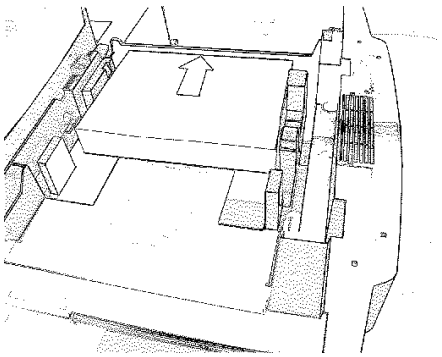
Size Guide

5) Adjust the sensor plate of tray 2 and tray 3 to A4 or LTR.

Sensor Plate

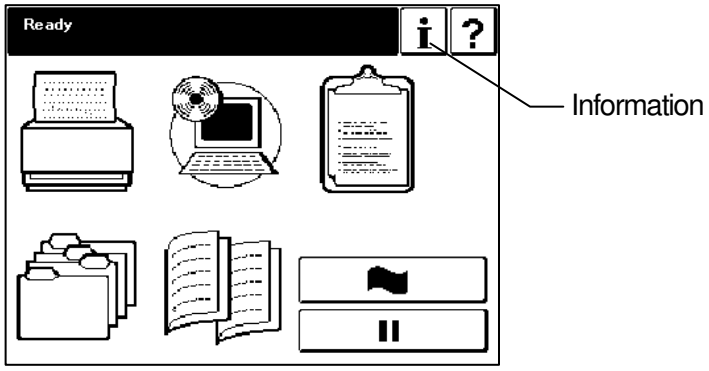


6) Place the A4 size paper or the Letter size paper into the tray 2 and the tray 3.



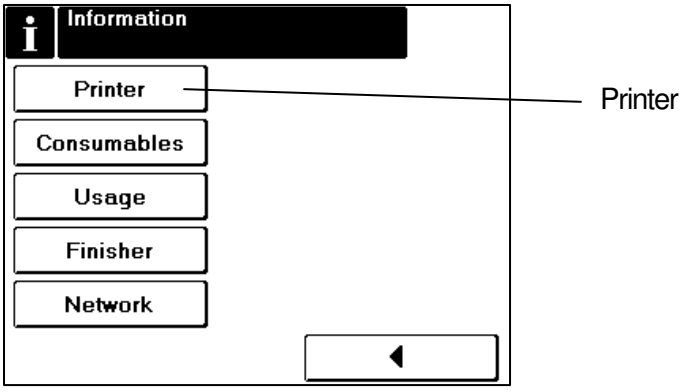
7) Push the [information] switch in the main menu screen.

[Main Menu]



8) Push the [Printer] switch in the information menu screen.

[Information Menu]



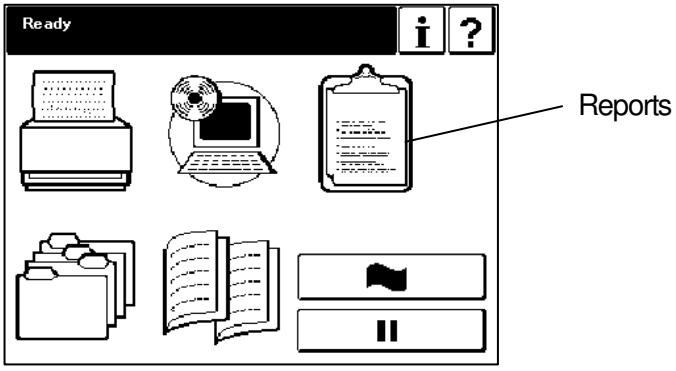
9) Confirm that the paper size of the tray 1,2,3 is the A4 size or the Letter size in the information - printer screen.

10) Push [◀] button twice, and return to the main menu screen.

5.2 Printing of the status reports

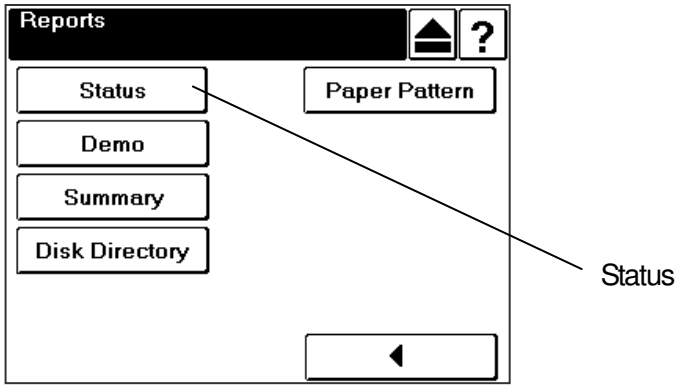
1) Push the [Reports] switch in the main menu screen.

[Main Menu]



2) Push the [Status] switch in the reports menu screen.

[Reports Menu]

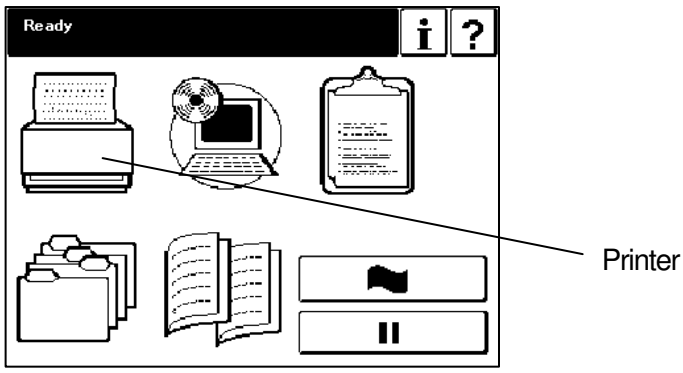


3) It is returned automatically to the main menu, and the Status page is printed.

5.3 Check the print contamination

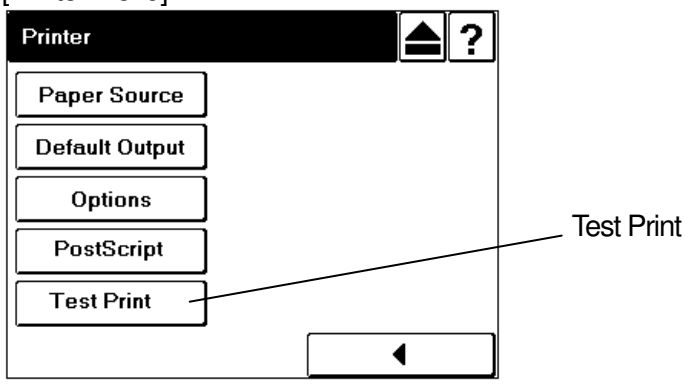
1) Push the [Printer] switch in the main menu screen.

[Main Menu]



2) Push the [Test Print] switch in the printer menu screen.

[Printer Menu]



3) The way of test printing is as follows.

Printer / Test Print / Print Quality / Text File 4% / Tray * / Elevator Tray / Color Duplex / 1 (Copies)

* Input either tray

4) Confirm that there is no printing contamination when sampling print samples. If contaminated print samples, clean the contaminated parts or continuous printing.

5.4 Confirmation of the stapling

When DDP92/184 Standard Finisher or DDP92/184 Booklet Finisher was installed.

1) The way of test printing is as follows.

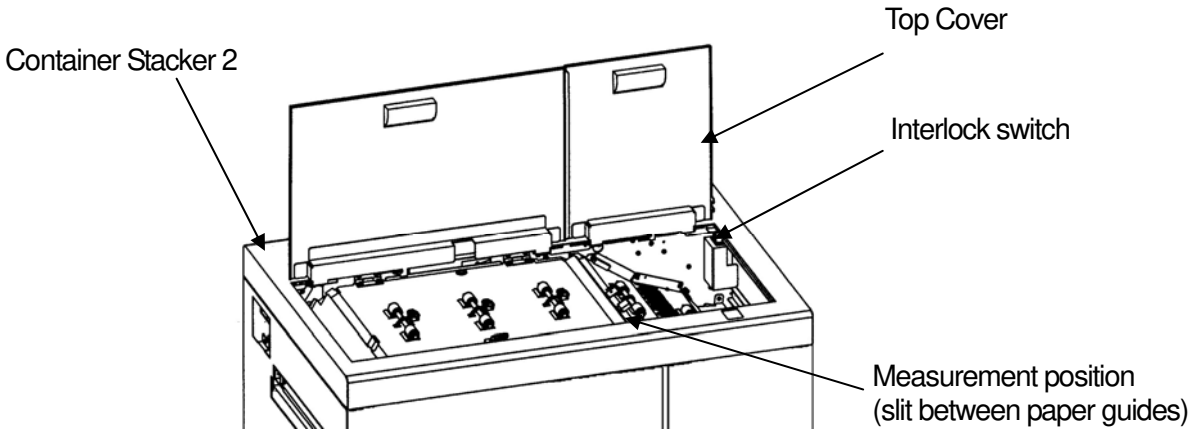
Printer / Test Print / Finishing Test / Staple : Booklet / 1 (Tray)

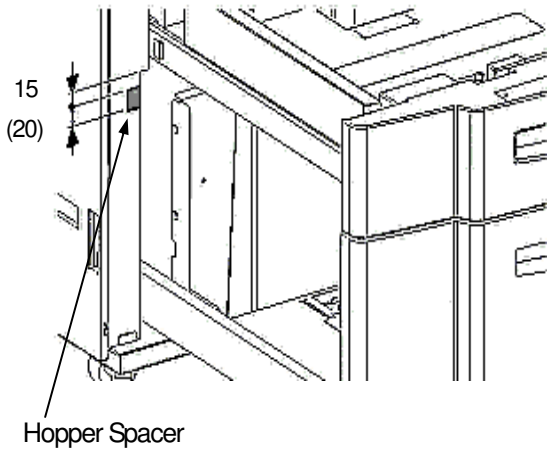
2) It is returned automatically to the main menu, and three sheets of paper are stapled.

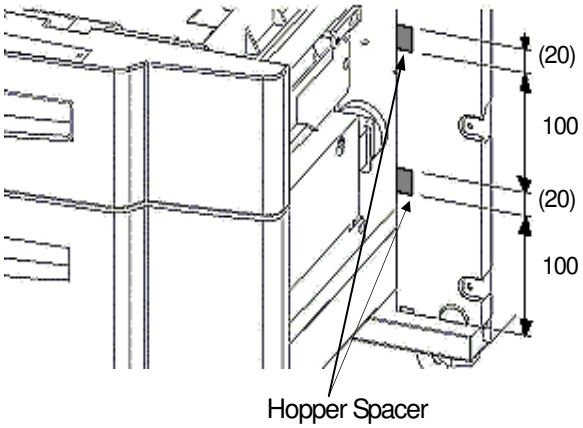
5.5 Adjustment of paper feeding position of Tray 1

When Container Stacker 1 or Container Stacker 2 was installed.
This adjustment is applied to DDP70 and DDP92.
When container stacker 1 and container stacker 2 are installed, confirm paper feeding position in container stacker 2.

1) Print the same sized paper from tray 1 and tray 2, and check the paper feeding position.
2) In case that the configuration includes Container Stacker 1, check the paper feeding position on the sample tray.
3) In case that the configuration includes Container Stacker 2, open the Top Cover of the Container Stacker 2 , insert the cheater in the interlock switch, and check the paper feeding position on the slit between paper guides.
   -The cheater is in the accessory box of the printer.
4) Set a standard point in the sample tray and the frame of Container Stacker and check the gap of the paper feeding position between tray 1 and tray 2, whether the paper is closer to the front side or the rear side.
5) When the paper from Hopper 1 is closer to the front side compared with the paper from Hopper 2, there is no need to add Hopper Spacer.
6) When the paper from tray 1 is closer to the rear side by 1-2mm compared with the paper from tray 2, add 1 piece of Hopper Spacer at each location as shown in the following figure.
7) When the paper from tray 1 is closer to the rear side by 2mm or more compared with the paper from tray 2, add 2 pieces of Hopper Spacer at each location as shown in the following figure.


Container Stacker 2
Top Cover
Interlock switch
Measurement position
(slit between paper guides)


15
(20)
Hopper Spacer


(20)
100
(20)
100
Hopper Spacer

8) If printed-paper have “dog-eared corners”, check the next item.
Because paper may touch a tip of entrance paper guide.

(1) Check which of “Disable”, “Enable” and “Auto select” the de-curler function of the container stacker selects in OCP.

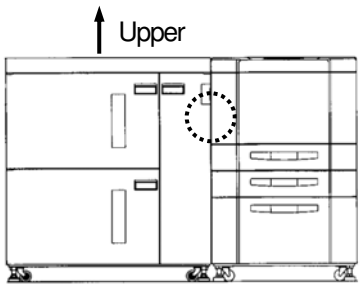
(2) Install the container stacker slightly than the printer above.
Check the mark position of front side and the mark frame of rear side, and adjust the leveling bolt.

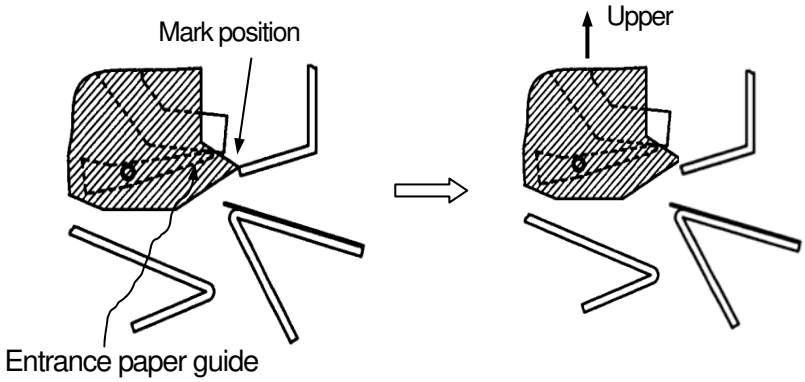
(3) Check contact condition of the feeding paper and tip of entrance paper guide on container stacker, when the container’s de-curler function selects “Disable”.

(4) Check contact condition of the feeding paper and tip of entrance paper guide on container stacker, when the container’s de-curler function selects “Enable”.

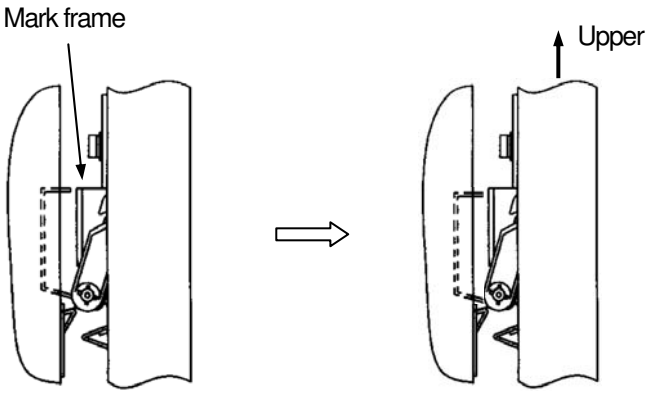
(5) If printed-paper have “dog-eared corners”, readjust the height of the container stacker in a leveling bolt, and repeat work (3), (4).

(6) Return to original de-curler function of container stacker selects in OCP.





Details of connection part at front



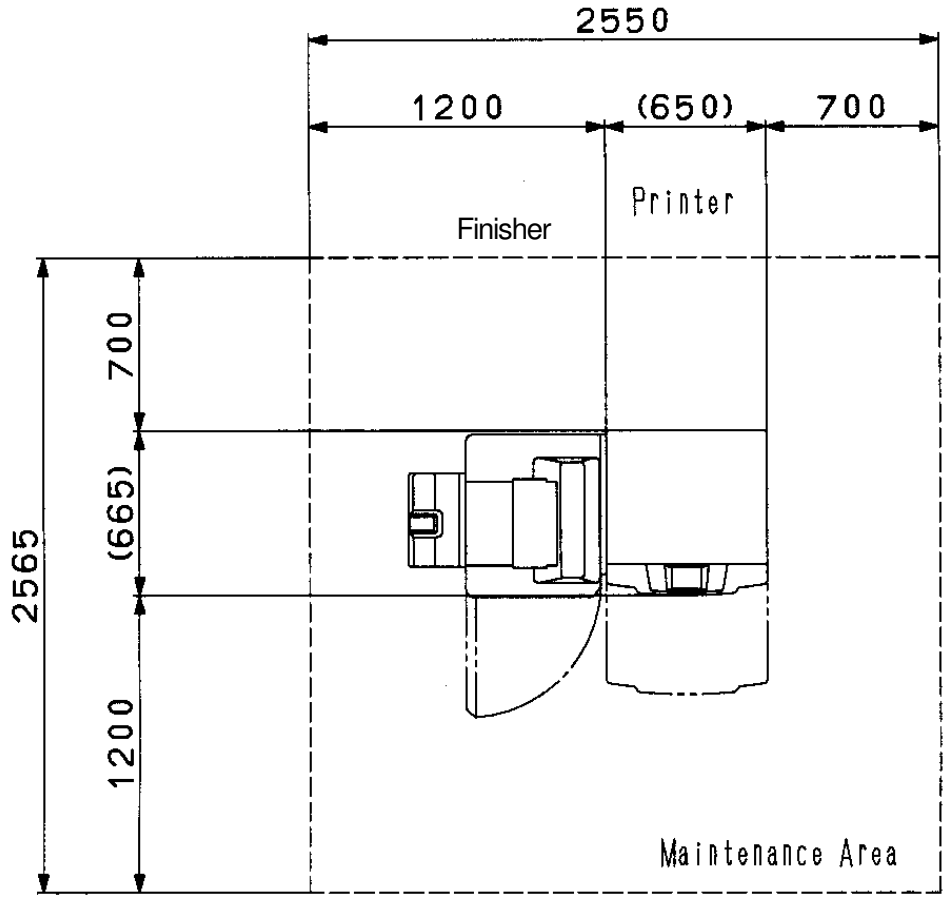
Details of connection part at rear

Appendix 1. Installation Area Information

CAUTION

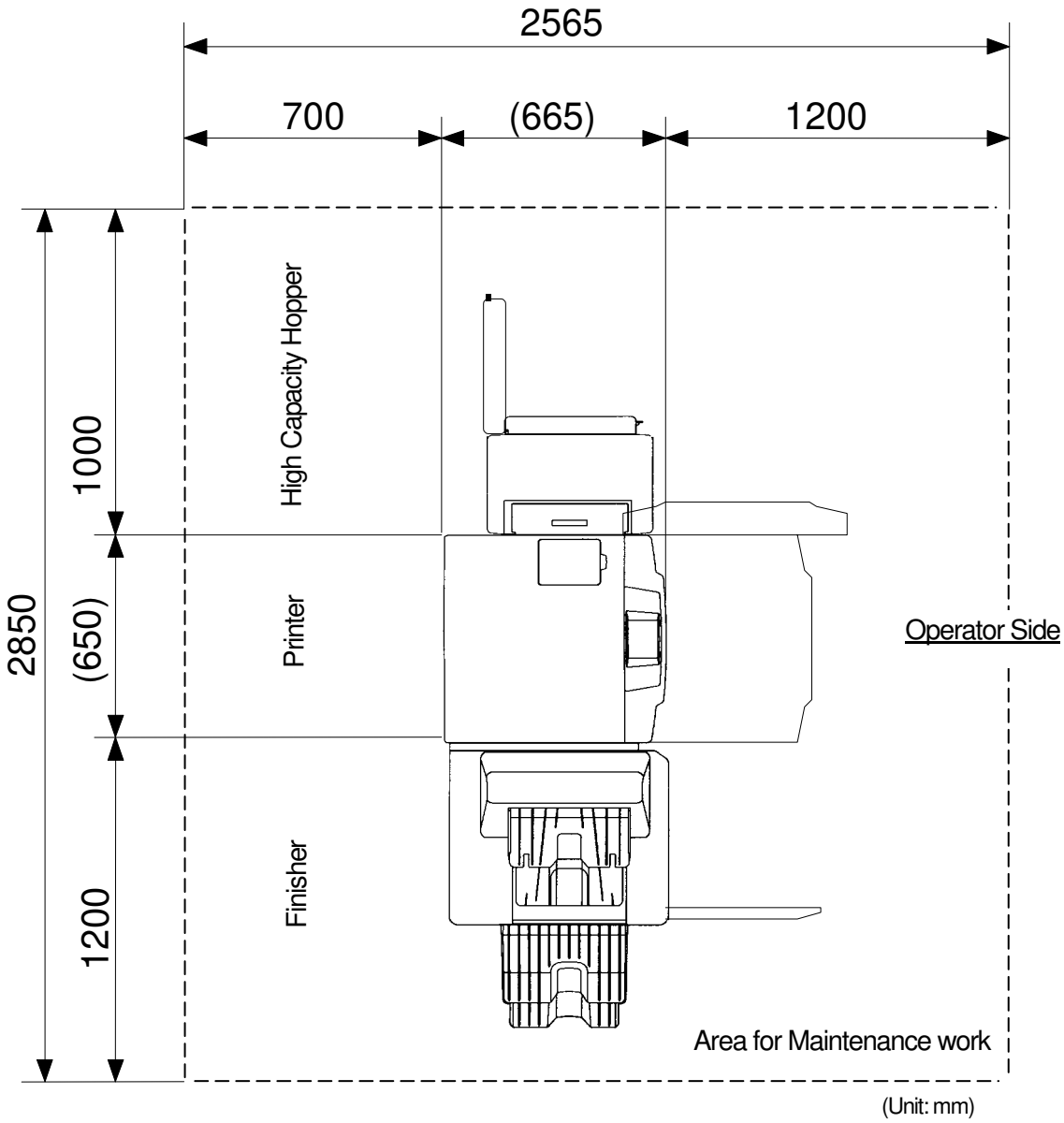
* Don't install the Server in the following place.
  - The position in which the Cover and the Tray cannot be opened.
  - Under the tray of the Finisher.
  - Front of exhaust fan.
  - Top of the Printer.

Appendix 1.1 Installation/maintenance area of the Printer and Finisher.



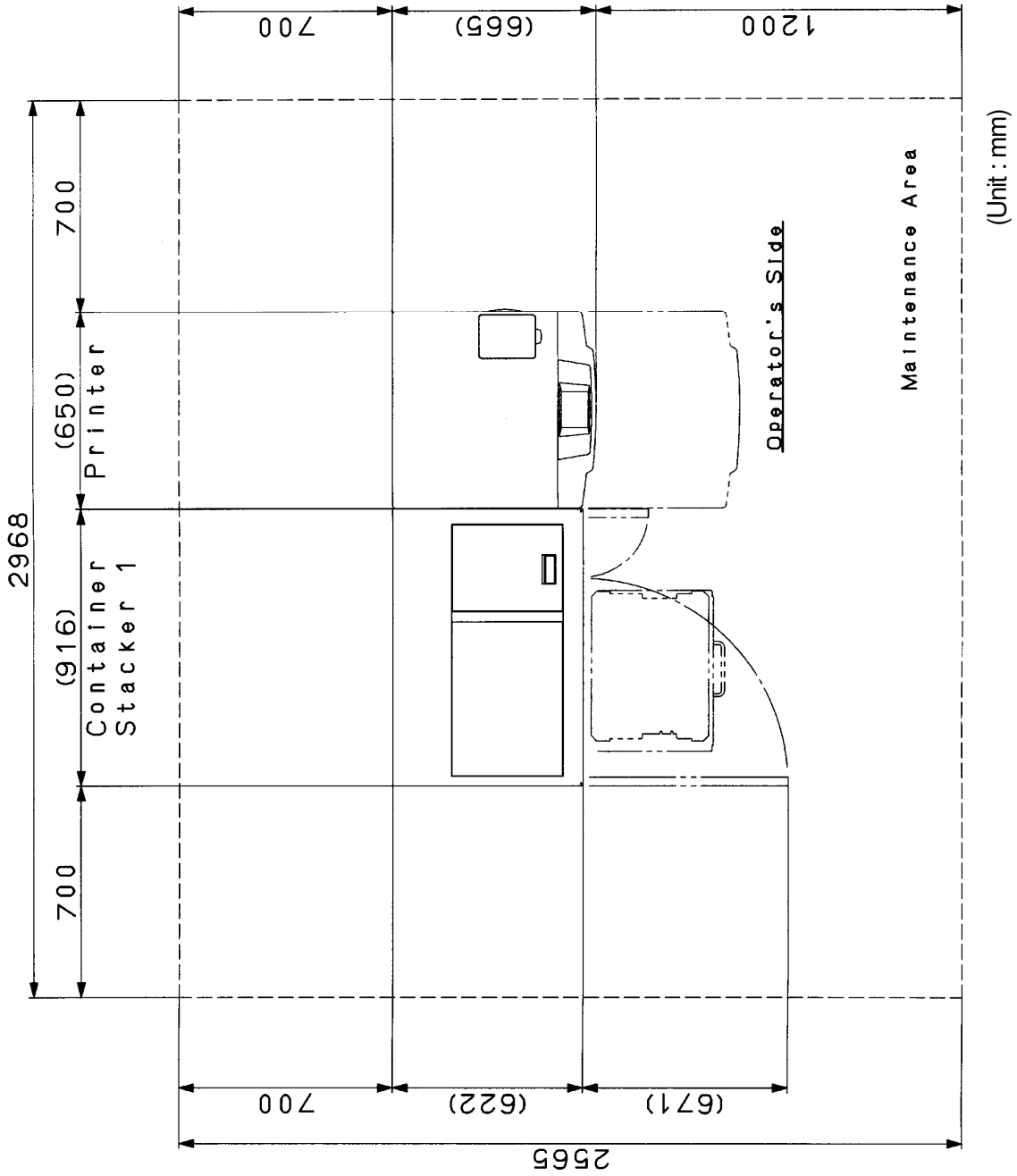
Operator's Side Unit : mm

Appendix 1.2 Installation/maintenance area of the Printer, High Capacity Hopper and Finisher.

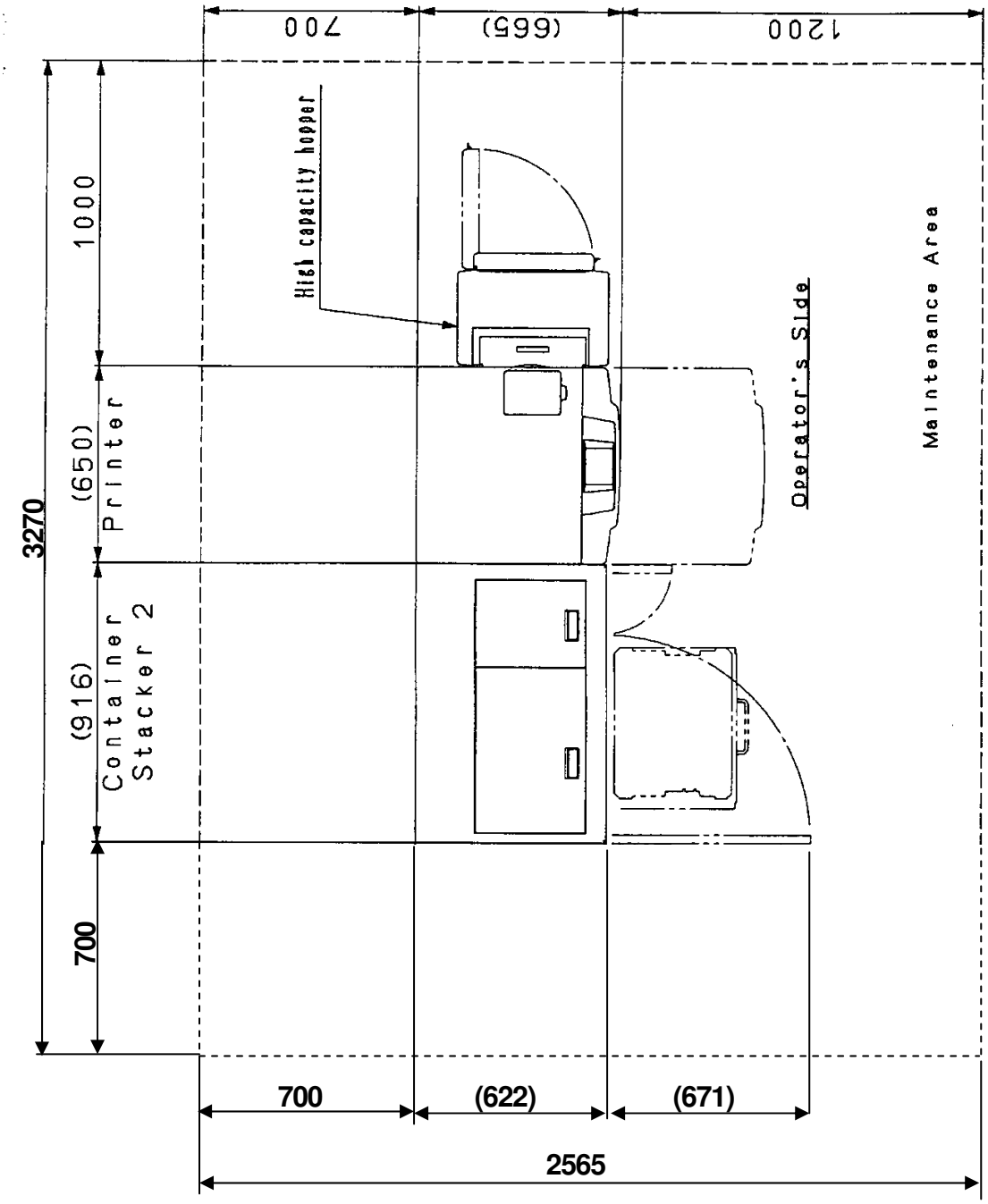


(Unit: mm)

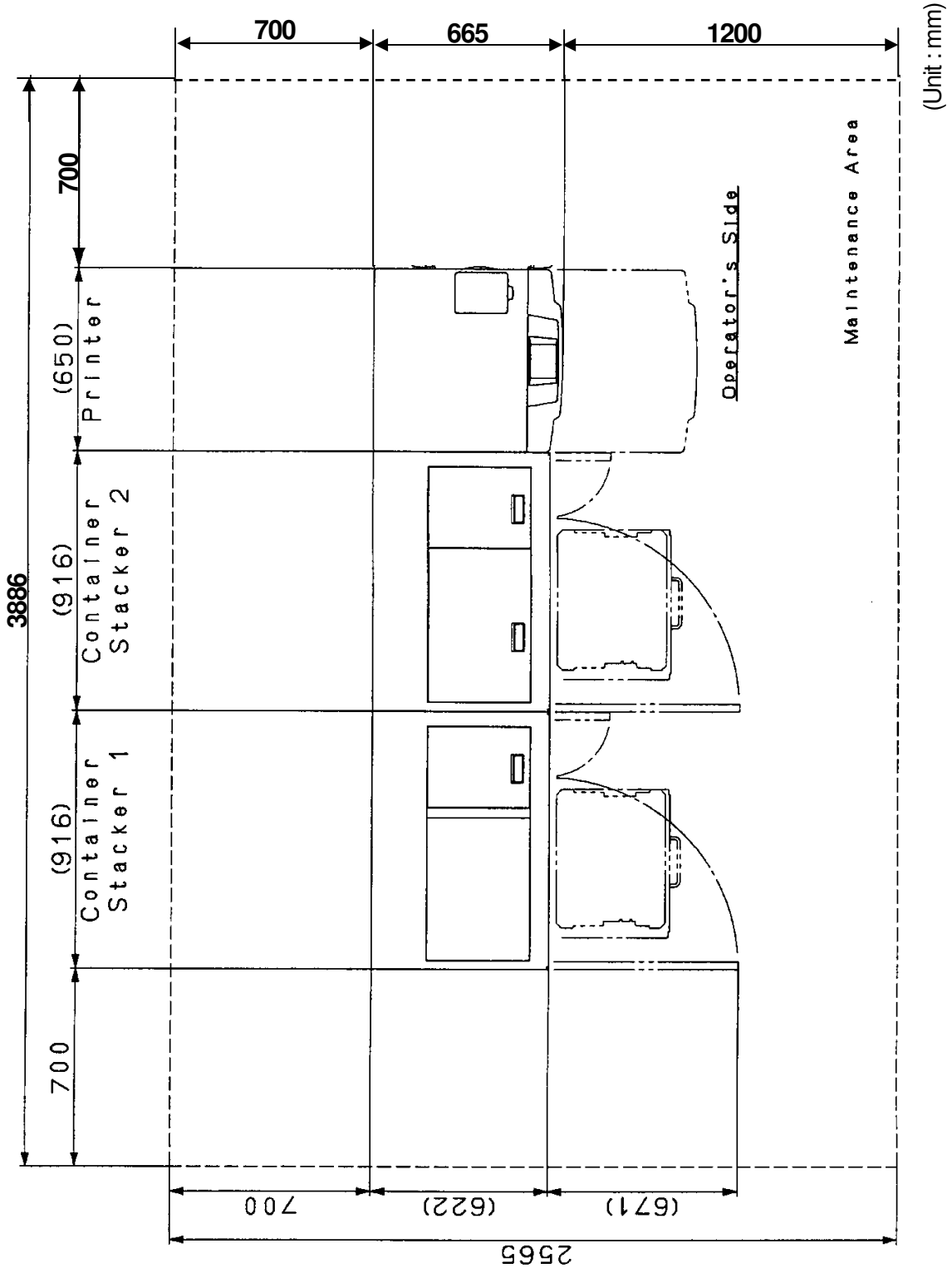
Appendix 1.3 Installation/maintenance area of the Printer and Container Stacker 1 (including sample tray).



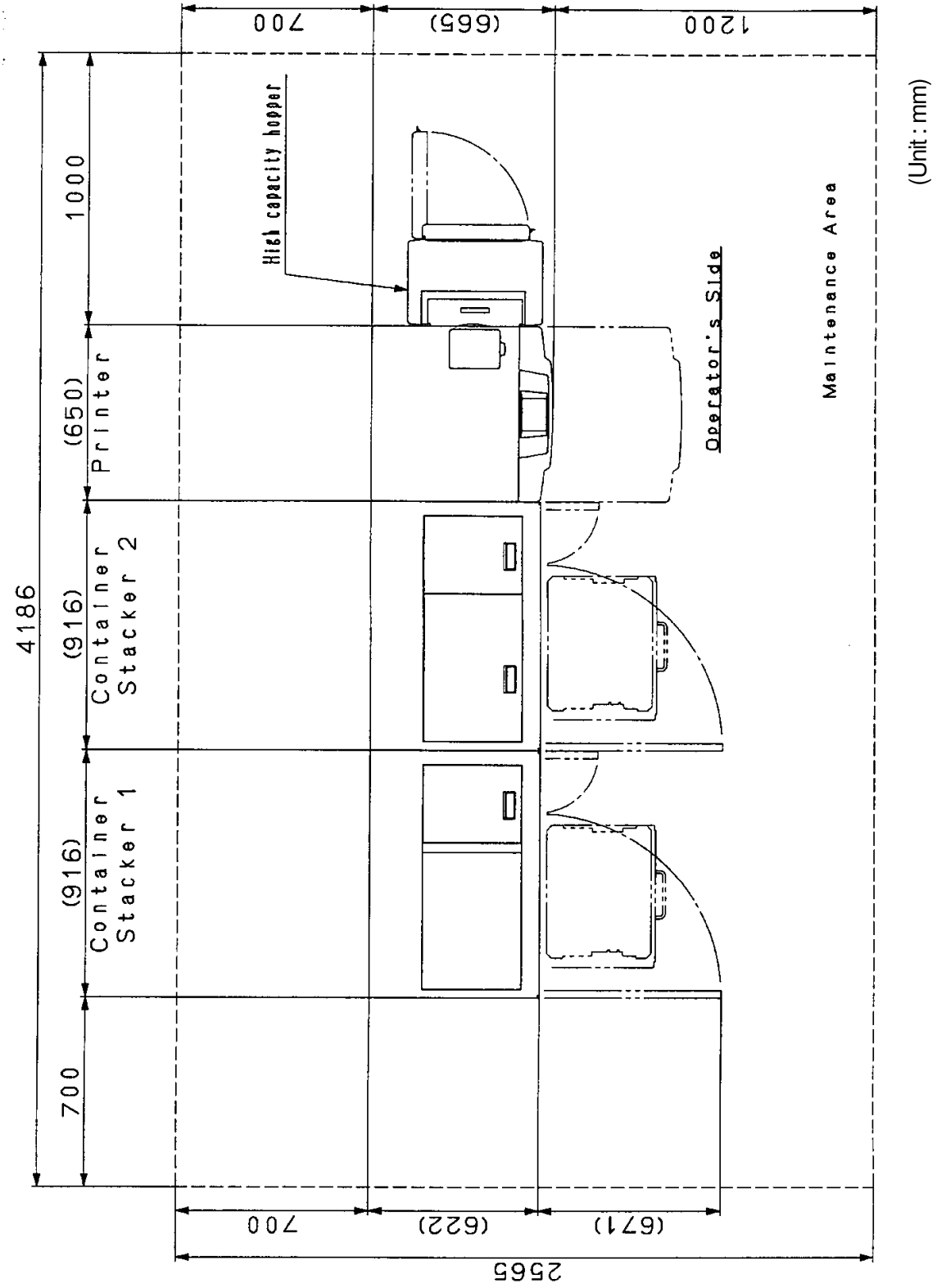
Appendix 1.4 Installation/maintenance area of the Printer, High Capacity Hopper and Container Stacker 1 (including sample tray).



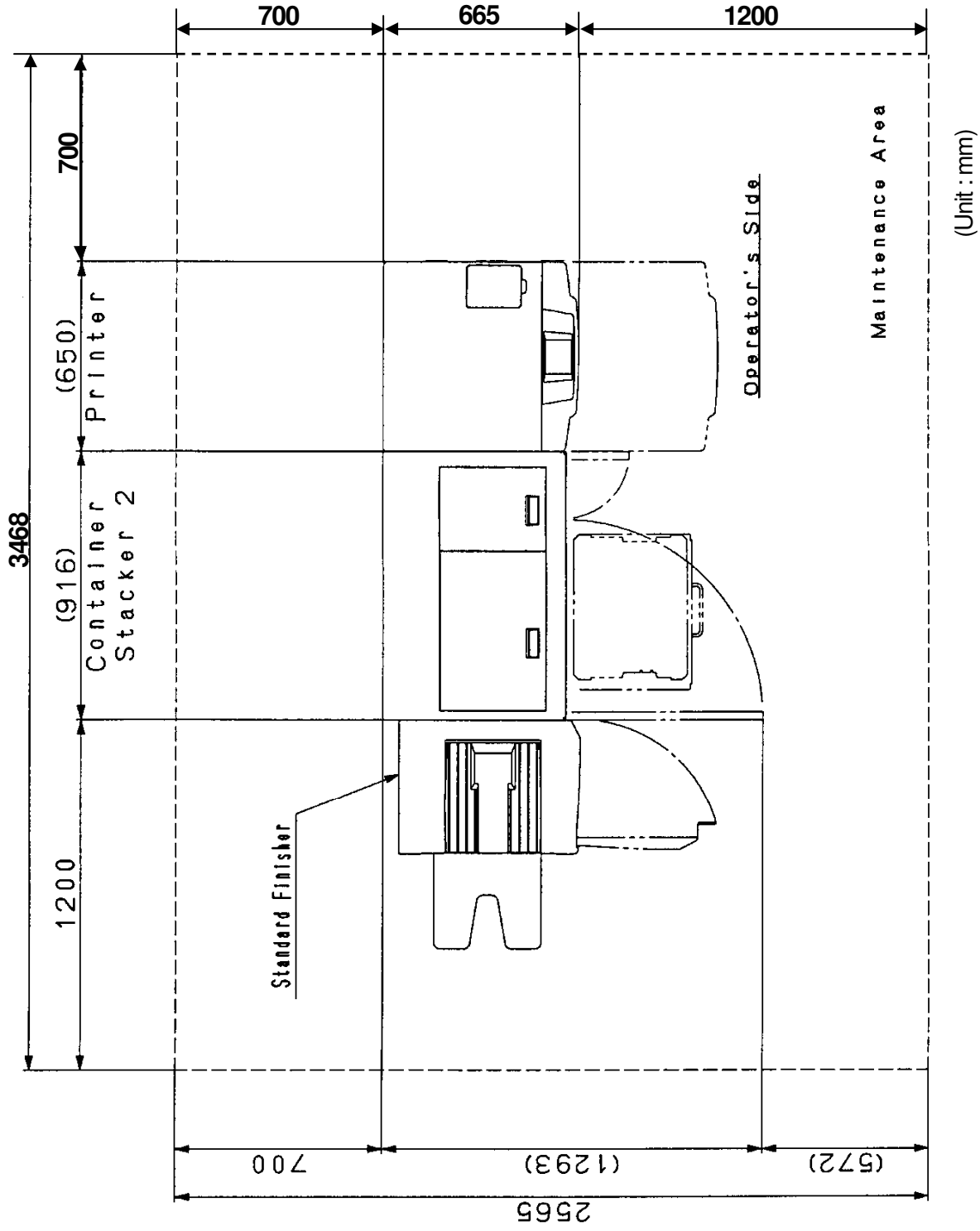
Appendix 1.5 Installation/maintenance area of the Printer, Container Stacker 1 (including sample tray) and Container stacker 2 (including through path unit).



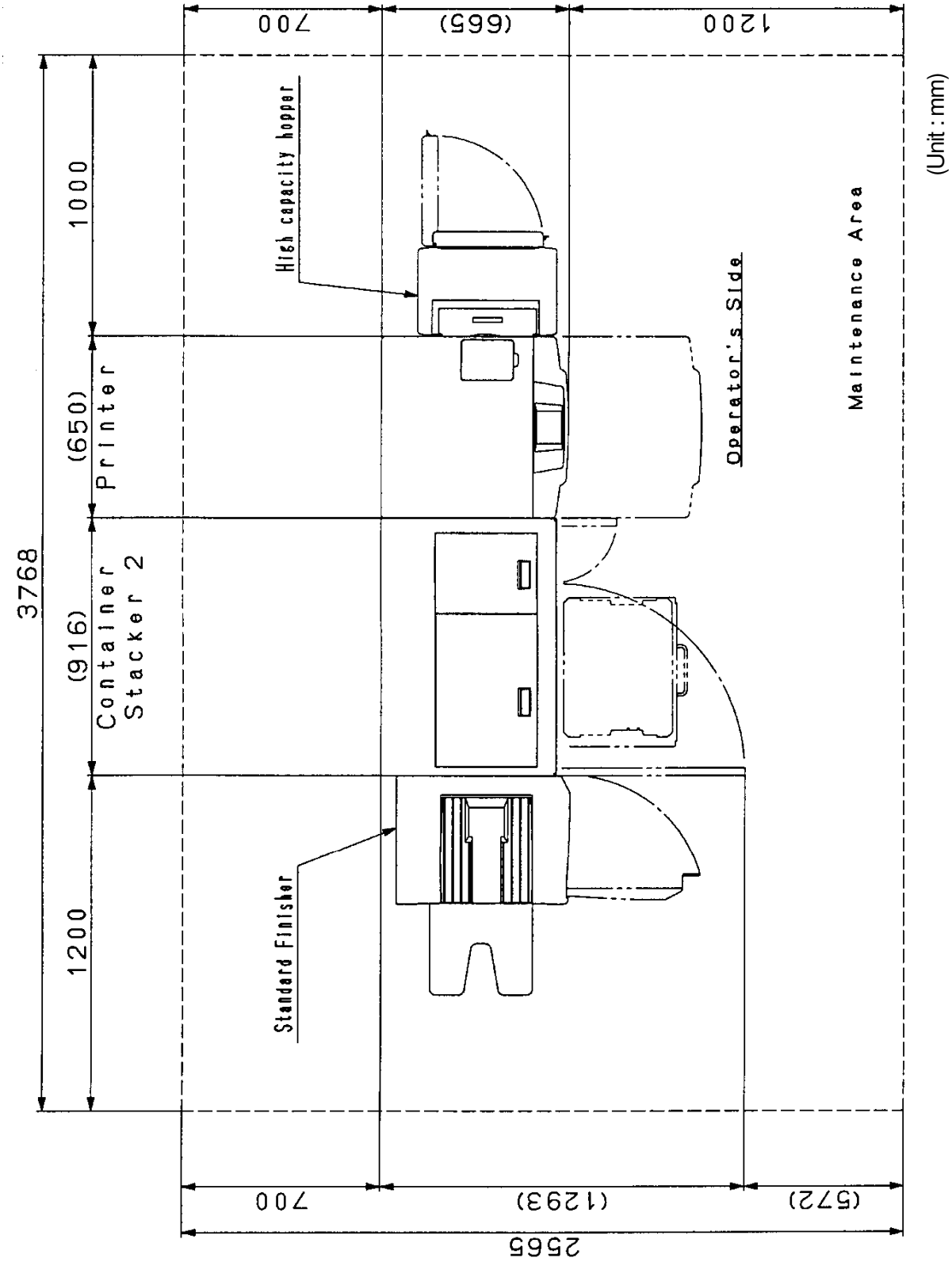
Appendix 1.6 Installation/maintenance area of the Printer, High Capacity Hopper, Container Stacker 1 (including sample tray) and Container stacker 2 (including through path unit).



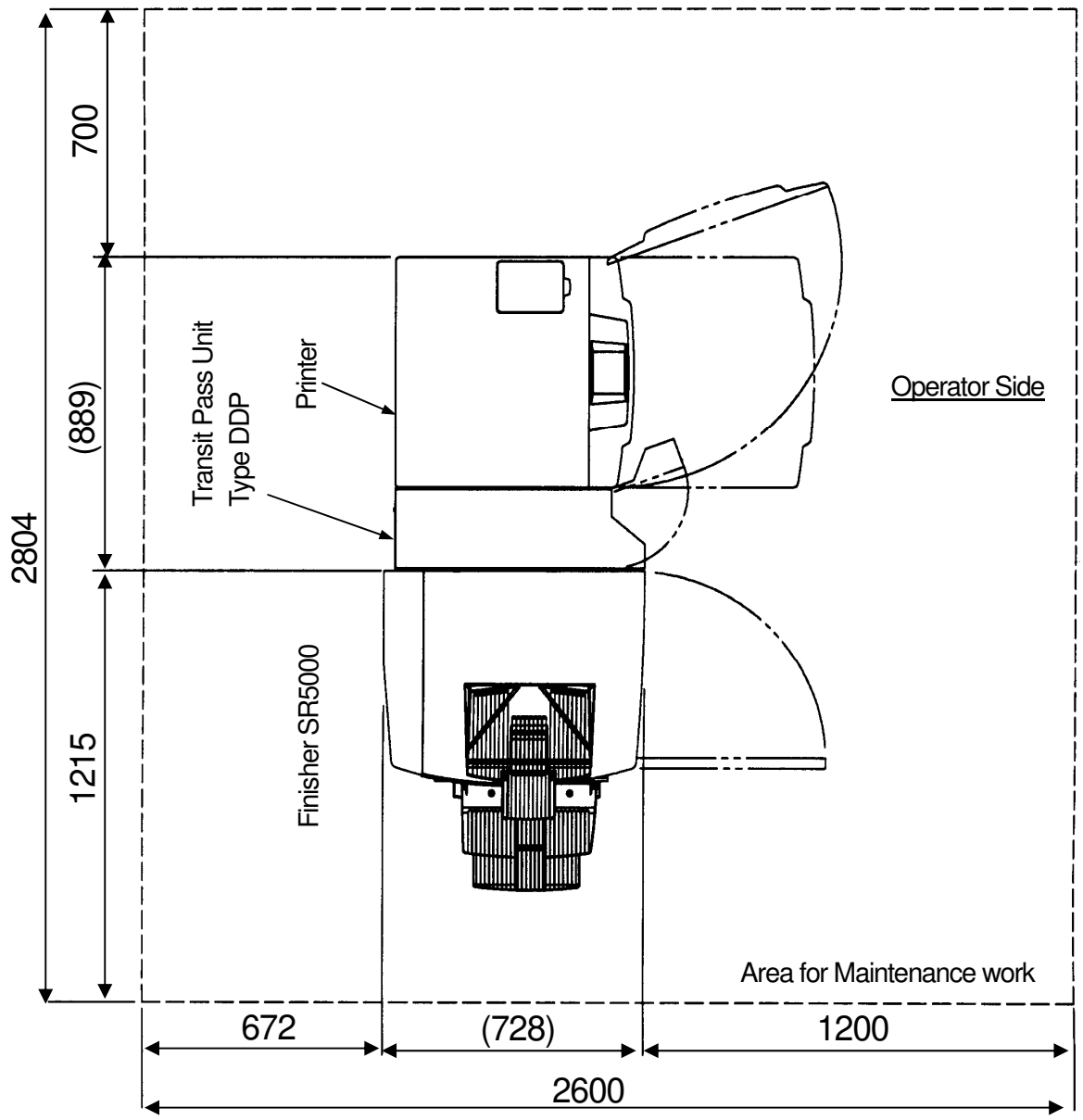
Appendix 1.7 Installation/maintenance area of the Printer, Container Stacker 2 (including through path unit) and Finisher.



Appendix 1.8 Installation/maintenance area of the Printer, High Capacity Hopper, Container Stacker 2 (including through path unit) and Finisher.

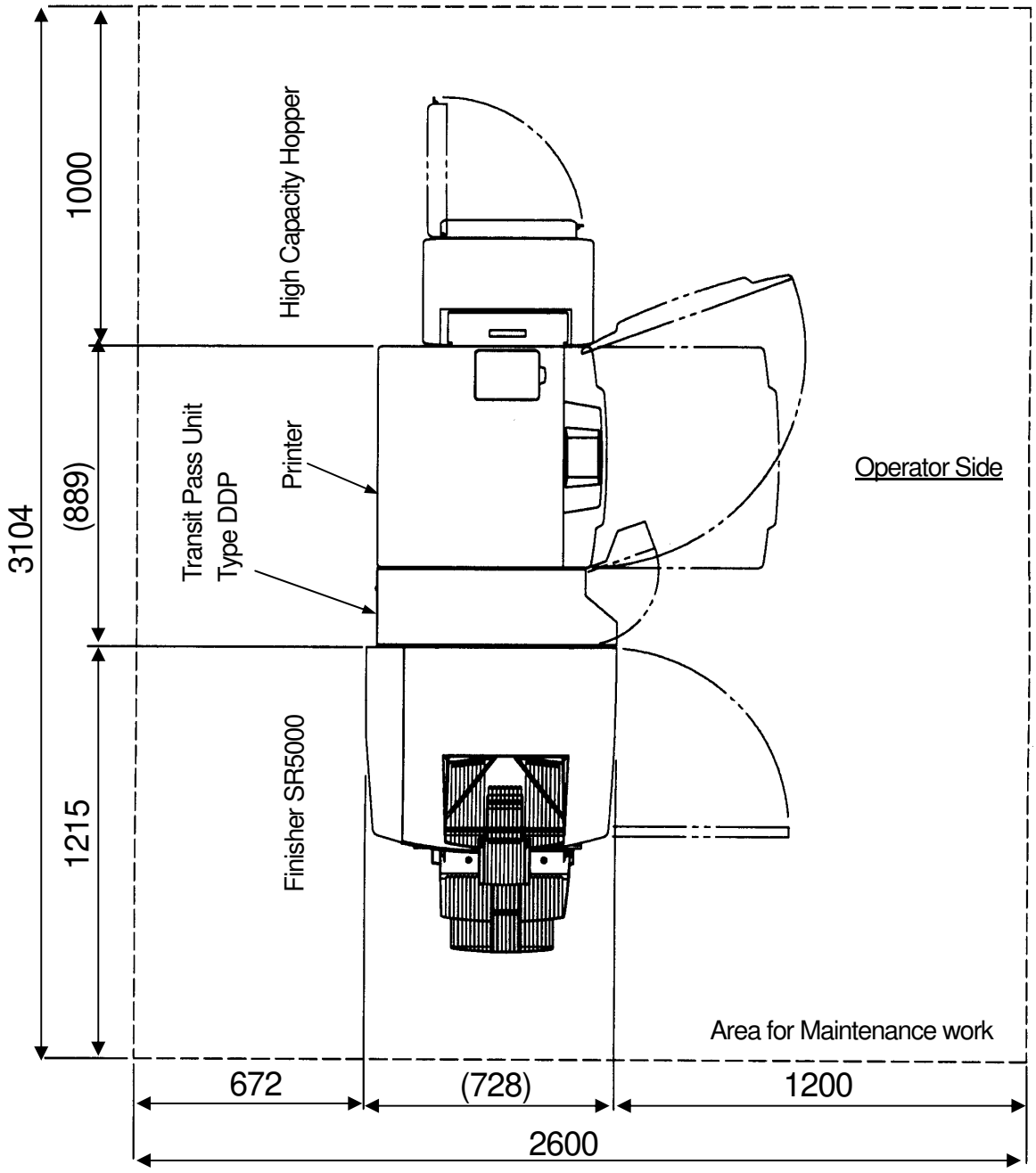


Appendix 1.9 Installation/maintenance area of the Printer, Transit Pass Unit Type DDP and Finisher SR5000.



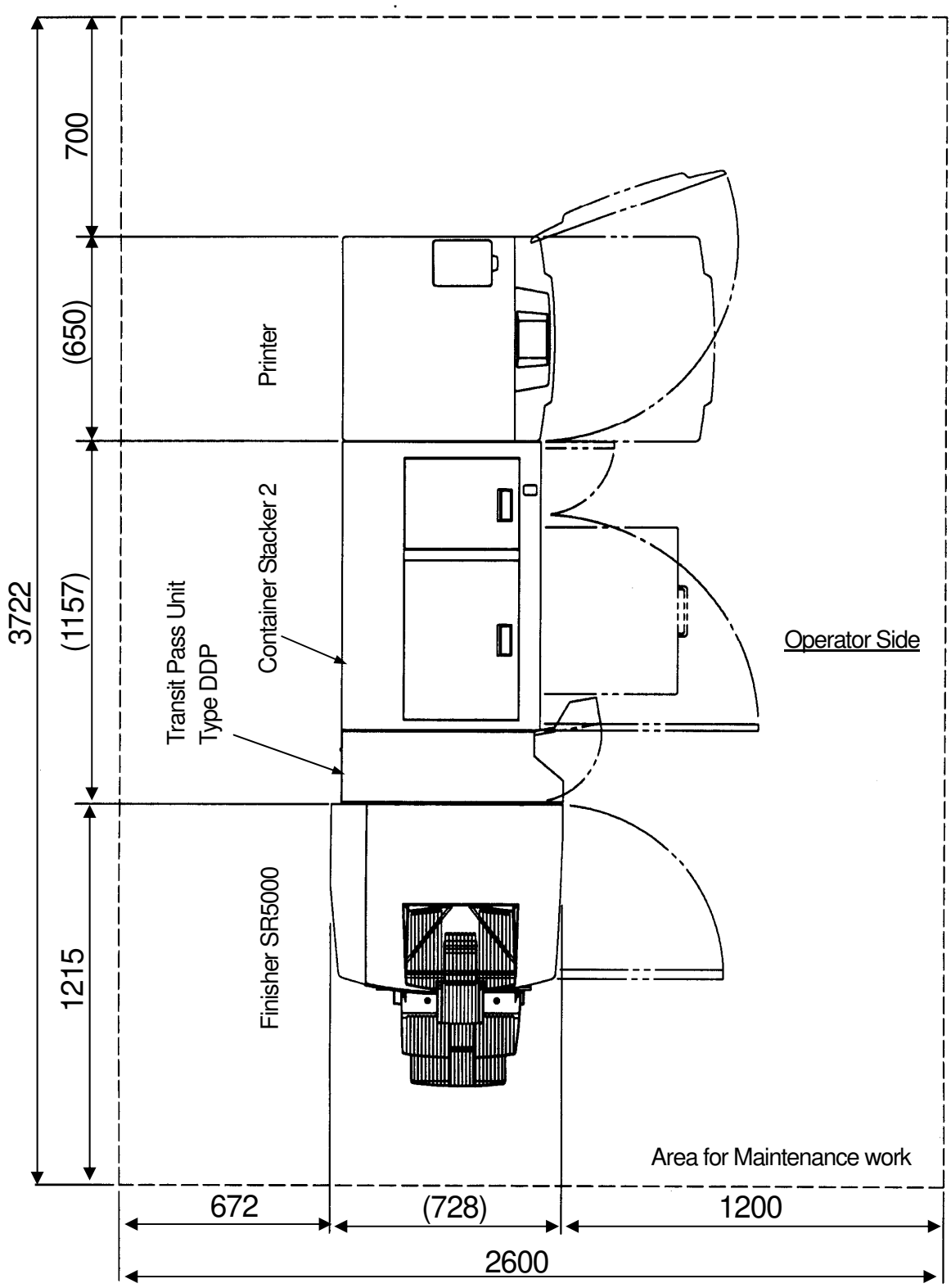
(Unit : mm)

Appendix 1.10 Installation/maintenance area of the Printer, High Capacity Hopper, Transit Pass Unit Type DDP and Finisher SR5000.



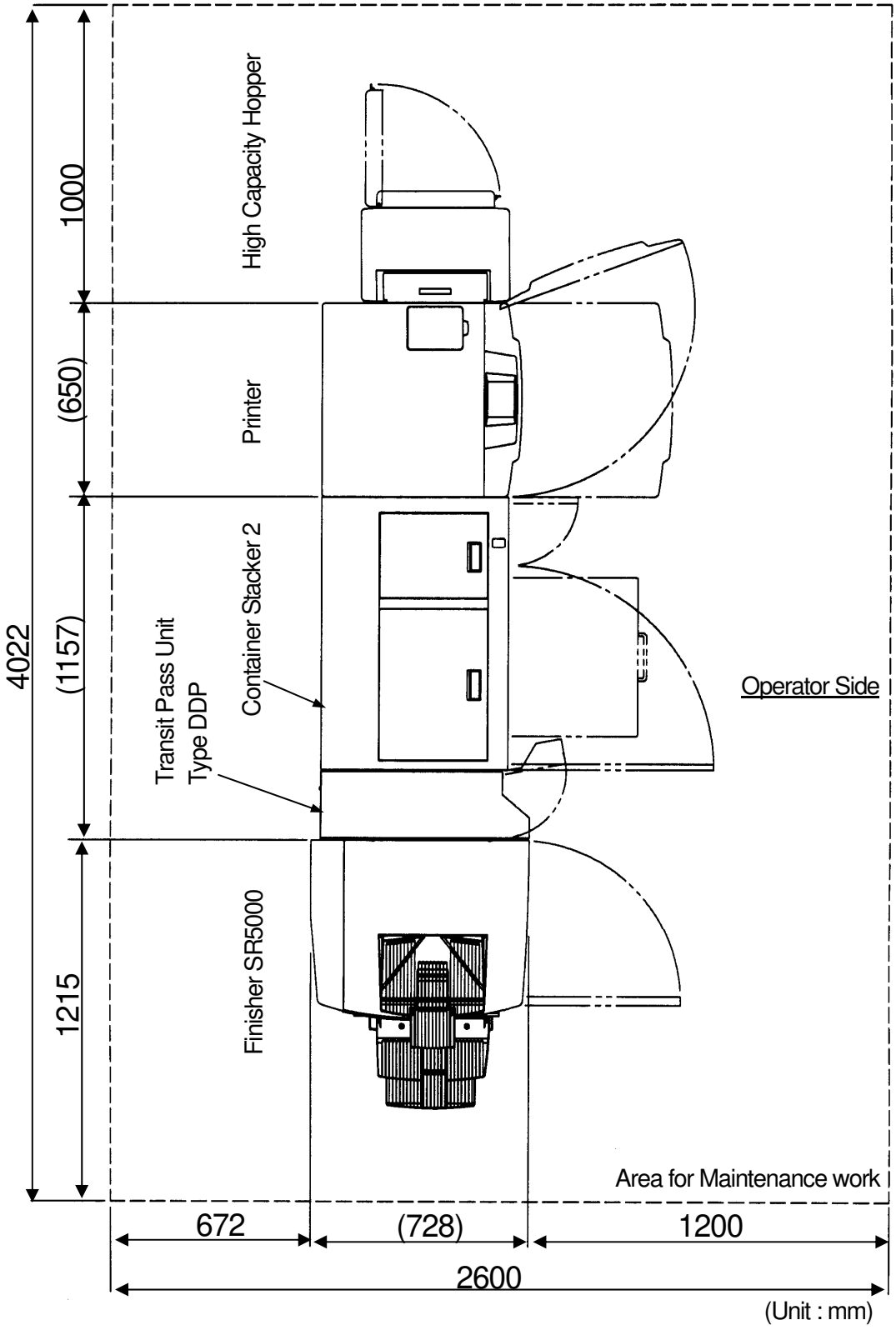
(Unit : mm)

Appendix 1.11 Installation/maintenance area of the Printer, Container Stacker 2 (including through path), Transit Pass Unit Type DDP and Finisher SR5000.



(Unit : mm)

Appendix 1.12 Installation/maintenance area of the Printer, High Capacity Hopper, Container Stacker 2 (including through path), Transit Pass Unit Type DDP and Finisher SR5000.

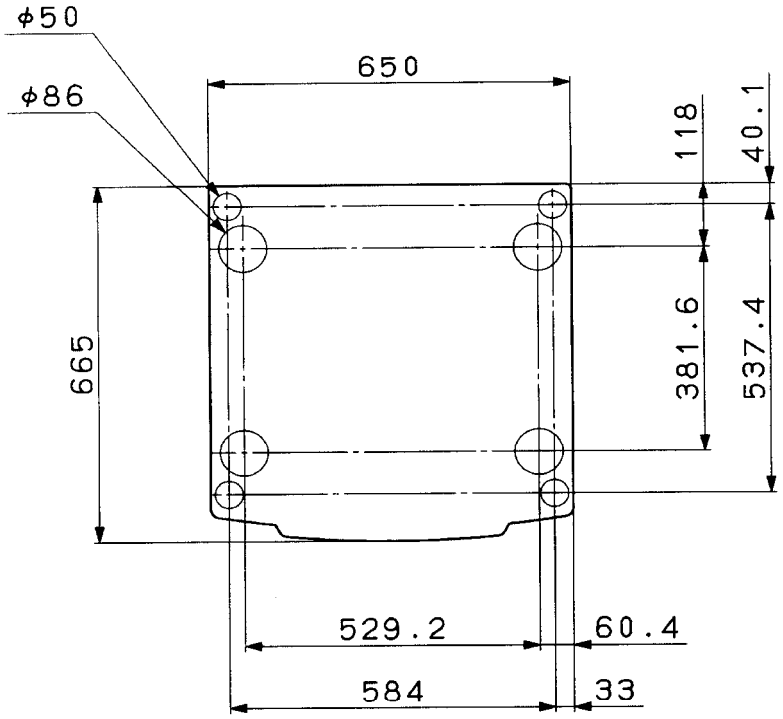


Appendix 2. Locations of the Leveling Bolt and Caster

Appendix 2.1 Locations of the Leveling Bolt and Caster of the Printer

CAUTION

Make sure that the ground under the floor where the Leveling Bolt is installed is reinforced by the stand or other. If the ground is not reinforced, because of the holes on the floor, the Printer may tilt and maybe the paper path will be affected.

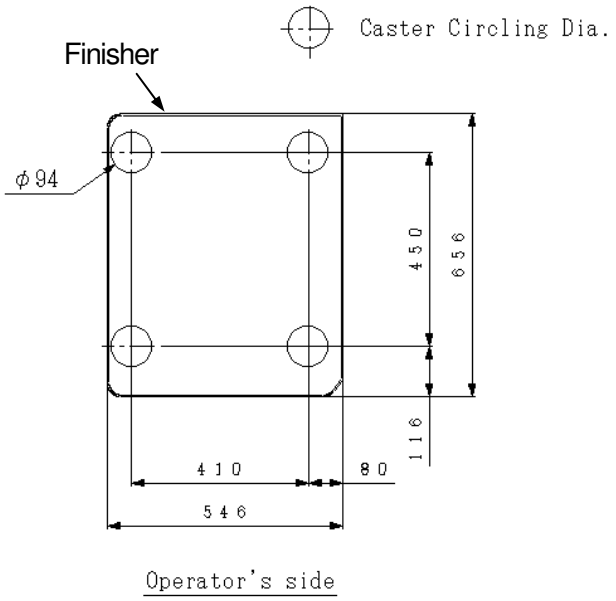


Caster Circling Dia.

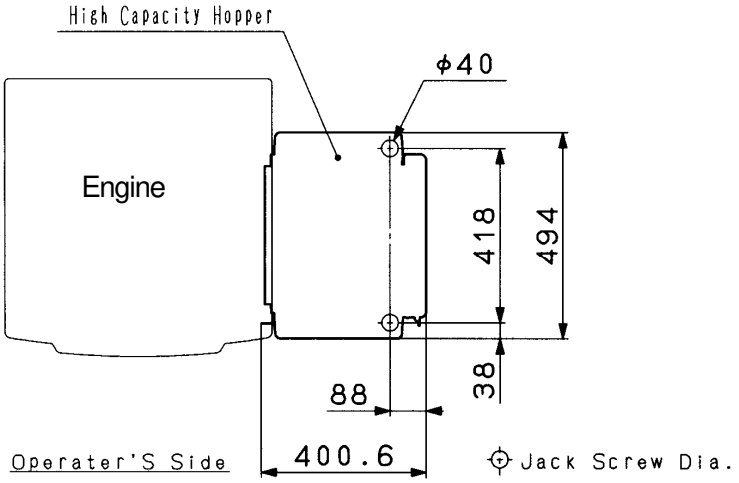
Leveling Bolt Dia.

Operator's Side

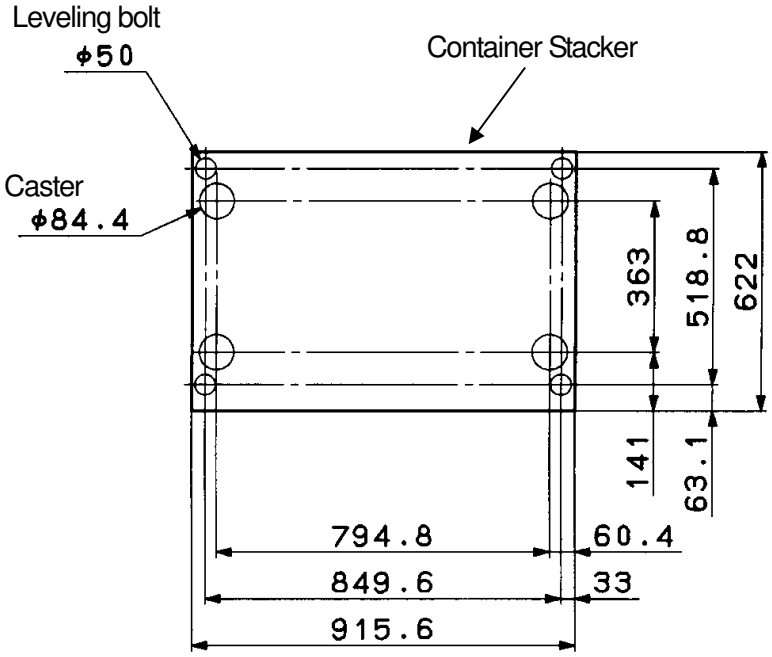
Appendix 2.2 Locations of the Leveling Bolt and Caster of the Finisher



Appendix 2.3 Locations of the Leveling Bolt and Caster of the High Capacity Hopper



Appendix 2.4 Locations of the Leveling Bolt and Caster of the Container Stacker.



Operator's side