

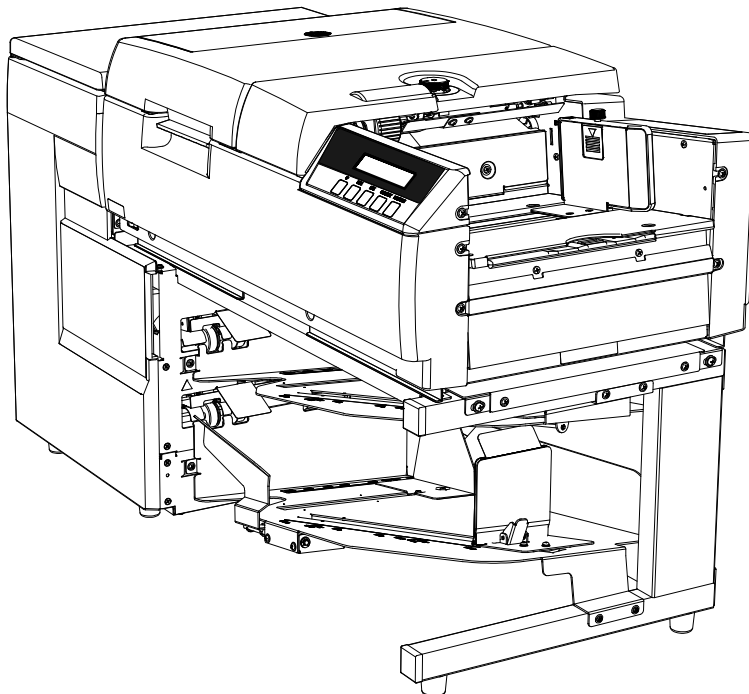
# ***SEKONIC***

## Instruction Manual

# ***SR-8000 HYBRID***

## ***Optical Mark Reader***

This manual explains how to set up main body, select stacker and accessory kit.



\*View of main body with select stacker unit (option) equipped.



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# Introduction

Thank you very much for purchasing our product.

Please surely read the instruction manual before using.

Please also read the operating manual in the CD-ROM which is belonging to the product, and use the product properly and safely.

Please keep the manuals and the CD-ROM in safe.

For detail, please refer to ¥English ¥Manual ¥Operating manual.pdf in the CD-ROM.

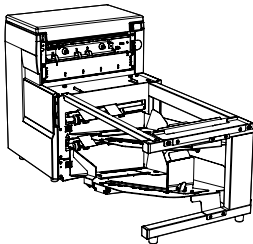
The main body can be used with option of select stacker unit or accessory kit but can't be used alone. Please make sure to purchase select stacker unit or accessory kit together with main body.

Select stacker unit: MODEL SR-8000ST

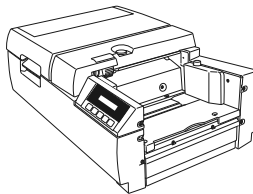
Accessory kit: MODEL SR-8000TR

## ● System structure

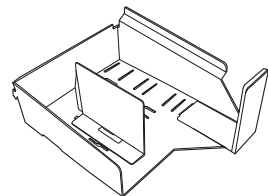
Select stacker unit  
Option (SR-8000ST)



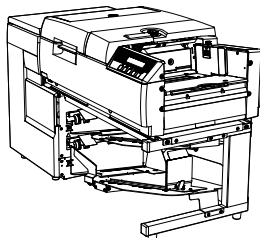
Main body  
(SR-8000HIBRID)



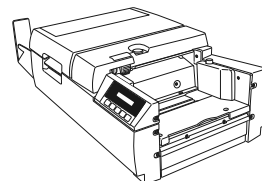
Accessory kit  
Option (SR-8000TR)



Main body with select stacker unit  
equipped



Main body with accessory kit  
equipped



※ The device means either the system structure of main body with select stacker unit equipped or main body with accessory kit equipped.

## Notice

Please make sure to read the Software License Agreement in this manual before opening the CD-ROM.

(  P.5, P.6)

## Notice

Please make sure to read “Safety Precautions”

(  P.7 ~ P.13)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. In a residential environment this device may cause radio interference. In this case, the user may be required to take appropriate measures.

# Software License Agreement

## Notice

Please surely read before opening attached CD-ROM.

This agreement sets the conditions by which SEKONIC CORPORATION (hereafter call SEKONIC) gives its customer (hereafter called "the user") license to use the software.

The removal of the packaging will automatically indicate that the user has agreed to the terms of the agreement.

If you cannot agree to the following terms, please return the software unopened to the store of purchase.

### 1. Definitions

"Software" as mentioned in this agreement includes the software program and all related materials included in this packaging.

### 2. License

SEKONIC gives the user the license to use the software mentioned in this agreement. The user may make unlimited copies of this software for distribution.

### 3. Rights to the Software

The copyright and property rights of this software belong to SEKONIC. The user is given the right to use and reuse the software in accordance with this agreement, but does not have the copyright or property right or any other right to this software.

### 4. Limitation

The user may not translate this software in to a form that is readable by a human being through reverse compilation, reverse assembling, reverse engineering or any other method.

### 5. Termination of the agreement

This agreement is valid until it is terminated. The user may terminate the agreement at any time by destroying the software and all copies made.

6. Guarantee period for the recording medium

SEKONIC will exchange the software's recording medium on its own judgment within 90 days of purchase if a flaw is found in the medium. However, it does not take any responsibility for replacing a recording medium which has been damaged by accident, abuse, or misuse.

7. Relinquishment of guarantee for software

The user will agree to this agreement with the understanding that the user must make responsible use of this software. The software is provided "as it is," and SEKONIC makes no guarantees. SEKONIC has no obligation to give or declare an explicit or implicit guarantee of any kind concerning the rights of a third party, or the merchantability, integrity or quality of the software.

8. Limit of Responsibility

SEKONIC will not take any responsibility for accidental, unusual, or consequential loss due to the use or inability to use the software in any situation, including the loss of the software.

In any case, if at any time SEKONIC is deemed responsible, the highest compensation will be the amount paid by the user in damage, cost and legal fees.






# Safety Precautions

## Handling the Device Correctly and Safely




Read the "Safety Precautions" carefully before using, and use this product correctly.

This "Safety Precautions" page lists graphic to ensure the safe operation of this product to prevent users, other people or property from being damaged. Thoroughly read these precautions and understand the meaning of the symbols before proceeding to the main text of this manual.

■ The levels of danger and damage that will arise if the device is inappropriately used are classified and indicated as shown below.

 <b>WARNING</b>	Improper operation by neglecting this instruction may result in personal death or serious injury.
 <b>CAUTION</b>	Improper operation by neglecting this instruction may result in personal injury or property damage.
<b>NOTICE</b>	Precautions and restrictions for operating the device. Be sure to read carefully to prevent improper operation.
<b>NOTE</b>	Indicates additional information about the controls or related functions. Reading these is recommended.
 <b>Reference</b>	Indicates reference page.

■ The following graphic symbols explain the necessary actions to be taken.

	Indicates warning and precautions. The exact warnings and precautions are shown in the symbols.
	Indicates prohibited actions. The exact prohibited actions are shown in the symbols.
	Indicates actions that must be carried out. The exact required actions are shown in the symbols.

## ⚠ WARNING



- Only the person who was trained for maintenance/service work can permit preparation and set up of the main body. When those who was not trained for maintenance/service work, there is a danger of getting injured.

## ⚠ WARNING



- Do not place your hand on the paper feeding surface while the main body or the select stacker unit is in operation.

Your hand can be caught and injured due to incorrect usage.



- Do not place your hand on the paper feeding surface while the main body or the select stacker unit is in operation.

Your hand can be caught and injured due to incorrect usage.



- When placing your hand on the paper feeding surface during a paper jam, be careful not to allow your fingers to be caught or hit.

Your finger or hand can be caught on the paper feeding surface or the upper cover and this may result in a injury. Turn the power switch off while working.



- Do not touch the motor part inside the main body or the select stacker unit while the main body or the select stacker unit is in operation or immediately after turning off the power.

Caution: High temperature

High heat may cause burns.



- Equipment used in an environment without children.

This may result in an accident or injury.














- Do not place the storage bags in the package within reach of children or near fire.

If placed in the mouth or over the head, this may result in an accident or cause suffocation.

Do not place near fire, or it may cause a fire.





## How to Handle Power Cord and Power Plug






	<ul style="list-style-type: none"> <li>● Stop using the device immediately in the event of abnormal operation or a break down, and unplug the power cord. <ul style="list-style-type: none"> <li>● The device emits smoke or a strange odor or noise.</li> <li>● Liquid such as water or a foreign matter enters inside.</li> <li>● The power plug gets abnormally hot.</li> <li>● There is deformation or damage to the device.</li> </ul> </li> </ul> <p>If the product is used as is, a fire or an electric shock may result. * Immediately turn the power switch off and contact the sales shop. Never attempt to repair by yourself since it may cause serious danger.</p>
	<ul style="list-style-type: none"> <li>● Make sure the power outlet is within reach so the power cord can be easily unplugged.</li> <li>● Make sure the plug is firmly inserted into the outlet.</li> </ul>
	<ul style="list-style-type: none"> <li>● Do not use the device with other supply voltage than the specified one.</li> <li>● Use only appropriately rated outlet and wiring tools.</li> <li>● Avoid the use of multi-socketed adapters.</li> </ul> <p>This may cause a fire due to heat generation.</p>
	<ul style="list-style-type: none"> <li>● Do not damage the power cord or power plug.</li> </ul> <p>This may cause a fire due to an electric shock or short circuit.</p>
	<ul style="list-style-type: none"> <li>● Use only the specified power cord and power plug.</li> </ul> <p>Be sure to use the ones supplied with the device. Otherwise it may cause a fire or an electric shock.</p>
	<ul style="list-style-type: none"> <li>● Do not use the power cord while rolled up.</li> </ul> <p>This may cause a fire due to heat generation.</p>
	<ul style="list-style-type: none"> <li>● Do not pull the cable when unplugging the power cord.</li> </ul> <p>Damage to the power cord or deformation of the plug can cause a fire or an electric shock.</p>
	<ul style="list-style-type: none"> <li>● Do not touch the power plug or the device itself during a thunder and lightening storm.</li> </ul> <p>This may result in an electric shock.</p>

	<p>● Do not connect or disconnect the power plug with a wet hand. This may cause electric shock.</p>
	<p>● Connect a ground cable and ground the device. Connect a ground cable and ground the main body. Otherwise, an electric shock may occur.</p>
	<p>● When connecting or disconnecting the ground cable, unplug the power cord first. Otherwise, an electric shock may occur.</p>



## ⚠ WARNING




### How to Handle the Device

	<p>● Do not spray organic solvent such as flammable fluids or paint thinner. Flammable gas remaining inside the device can catch fire from static electricity, which may cause a fire, burn or injury.</p>
	<p>● If the main body or the select stacker unit is dropped or its cover is broken, power down and remove the power plug. If the device is dropped or the cover is broken, immediately turn the power switch off and remove the power plug from the outlet. Then contact the distributor.</p>
	<p>● For internal inspection, adjustment or repair of the product, contact the distributor. <u>Caution: High Pressure</u> Only service staff should remove the cover of main body or select stacker unit. Do not attempt to do this yourself as it may cause an electric shock.</p>
	<p>● Do not modify, remove its cover or disassemble the main body or the select stacker unit. There is a high voltage part inside. It may cause a fire or an electric shock.</p>

	<p>● Do not place the device in areas subject to liquid, dust, or humidity. This may cause a fire.</p>
	<p>● Don't insert or drop foreign objects such as metals or flammables into the opening. This may result in a fire or an electric shock.</p>
	<p>● Do not place a container with liquid or a metal piece on the device. Do not place a container with chemicals or liquid or a small metal piece on the device . This may cause a fire.</p>
	<p>● Do not cover the vent holes of the main body. Otherwise, the heat contained inside could result in a fire.</p>
	<p>● Do not use in a place where there is explosive, combustible or flammable gas. It is extremely dangerous to use the device in a place where there is explosive, combustible or flammable gas. You must not do this .</p>




## ⚠ CAUTION

	<p>● Before moving the device, make sure to unplug the power cord from the outlet. Before moving the device, make sure to unplug the power cord from the outlet. If the power cord is damaged, a fire or an electric shock may occur.</p>
	<p>● Do not install on an unstable surface. Do not place or install the device on an unstable surface. It may fall, resulting in an injury.</p>

	<p>● Avoid using the device in the following places as this may cause malfunction.</p> <ol style="list-style-type: none"> <li>1. a place receiving radiant heat (such as direct sunlight)</li> <li>2. a place above altitudes above 2,000 m (6,561 feet)</li> <li>3. a place where mechanical vibration frequently occurs</li> <li>4. a place near the source of an electromagnetic field</li> <li>5. a place where dust and oily smoke are frequently released</li> <li>6. a place prone to steam, water or condensation</li> <li>7. an environment that contains organic gas, inorganic gas or salinity.</li> </ol>
	<p>● The device should only be used indoors. Do not use it outdoors.</p> <p>The device is designed only for indoor use. Do not use it outdoors. This may cause a fire or malfunction.</p>
	<p>● When the device is not in use for a long time, remove the power cord for safety.</p> <p>When the device is not in use for a long period of time, remove the power cord from the outlet for safety.</p>

## ⚠ CAUTION

### Maintenance Notes

	<p>● Regularly wipe off dust on the power plug.</p> <p>If dust builds up on the power plug, it may cause problems in insulation, which could lead to a fire.</p> <p>*Unplug the power cord and wipe with a dry cloth.</p>
	<p>● Unplug the power cord before cleaning for safety.</p> <p>When cleaning, first unplug the power cord for your safety. Failure to do so may cause an electric shock, fire or injury.</p>
	<p>● Do not use volatile chemicals like paint thinner or benzene or a wet cloth</p> <p>When cleaning, wipe gently with a dry soft cloth. Do not use volatile chemicals like paint thinner or benzene or a wet cloth.</p> <p>Avoid getting the sensor part wet. This may cause malfunction.</p>

## NOTICE

Do not dispose of the device with general household waste.  
Waste electrical product disposal must be conducted according to the regulations of the area or the relevant local government.

## NOTE

- The product may contain printing materials such as cautions related to safety and/or printing errors as a supplement to the operating manual.
- The diagrams and illustrations in this manual may differ from the actual product (color, text, etc.).

## Notice

Microsoft Visual Basic is a registered trademark of Microsoft Corporation.

This product must not be reproduced or modified without permission from SEKONIC.

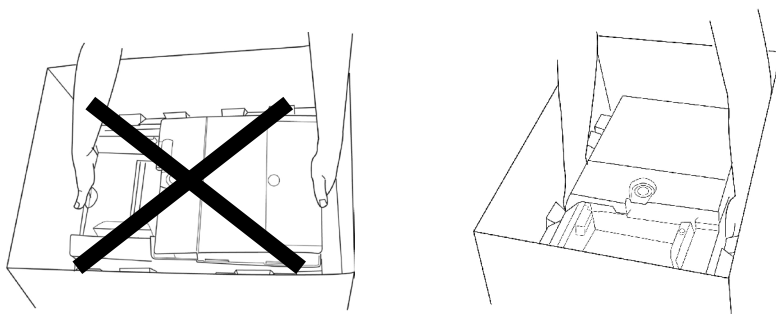
## Disclaimer

The Company shall not be liable for any direct or indirect damage resulting from the failure of the device or its use.

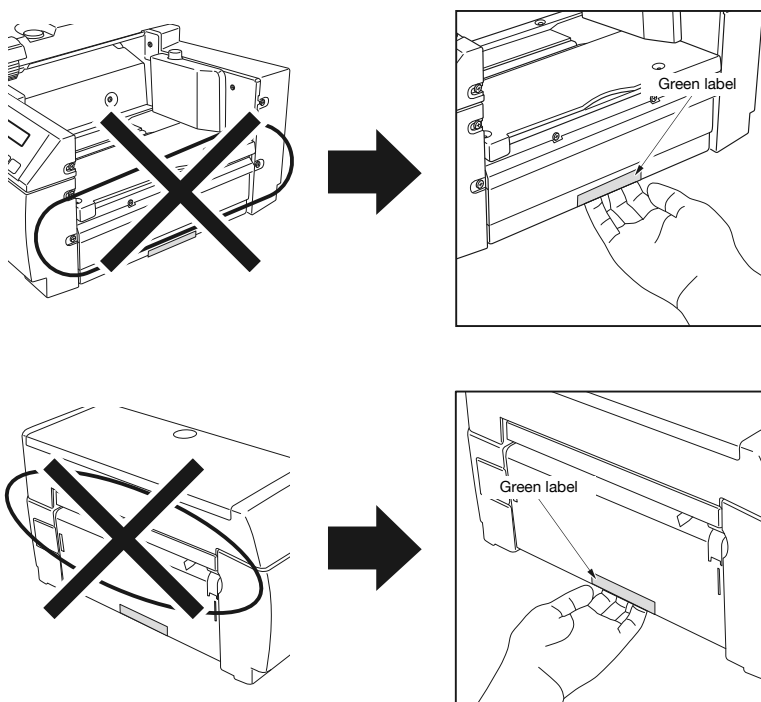
## Cautions

### ■ Take out the main body

- 1) When you take out the main body, put hands in the direction of the following figure.



- 2) Never place your hands in the areas indicated in the circles. When moving the device, always hold it under the spots indicated by the green labels.



- 3) Do not apply strong loads to the tray, as it may bend or break.  
4) Do NOT attempt to complete work on an unstable surface. Working on an unstable surface may cause injuries, etc.  
5) Install this equipment on a flat, stable surface.



# Before Using

## ■ Preparation

Please refer the belonged CD-ROM for software installing.

## Supported Operating Systems

Windows 8.1 (32bit/64bit)

Windows 10 (32bit/64bit)

- \* Operating systems will no longer be considered compatible once Microsoft Corporation ends official support for that particular operating system.
- \* The device runs using WOW64 on 64-bit Windows operating systems.

## Operating Environment

CPU: Intel Core i3 2GHz or higher, or equivalent CPU (recommended: Core i5 or higher)

Number of simultaneous connections: 1 unit

Disk space : 10GB or more free space

Memory capacity: 1GB or more (2GB or more is recommended.)

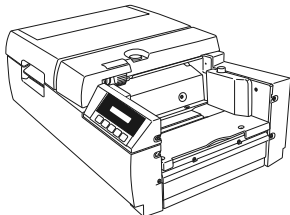
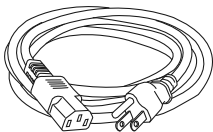
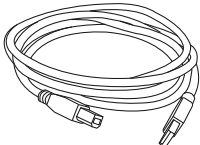
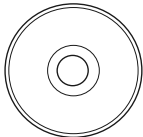
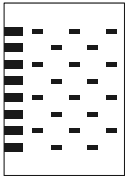
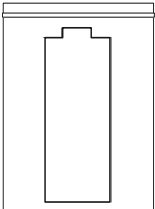


- \* System requirements of the OS or higher.
- \* 2GB or more for image storing. 4GB or more is recommended.
- \* Depending on the processing performed by the application software, higher specifications than the recommended operating environment may be required.
- \* USB3.0 is required to obtain maximum performance.
- \* CD-drive is needed for installation.
- \* Please refer the operating manual in belonged CD-ROM for detail.

## ■ Confirm items included

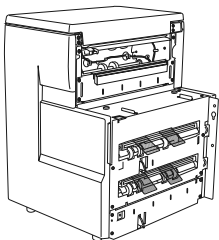
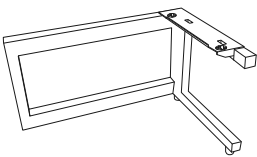


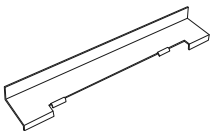
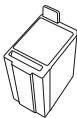

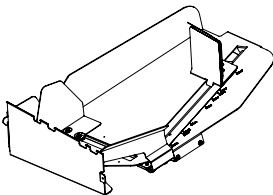
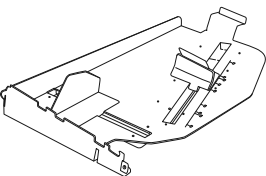




Before setting up the unit, check to confirm that all of the below items are included in the package.

If you find any missing or damaged items, please contact your dealer.

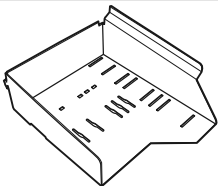
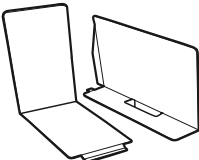
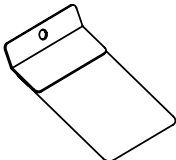
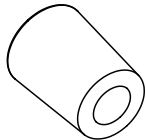


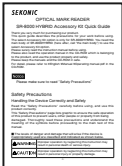
### ・ Items included in main body unit package

Main body	Power source cord	USB 3.0 cable
		
CD-ROM	A4 check sheets	CIS Calibration sheet
 <ul style="list-style-type: none"> <li>・ Operating manual</li> <li>・ USB driver</li> <li>・ Diagnostic utility</li> <li>・ Middleware</li> <li>・ Calibration tool</li> </ul>		
Product Warranty Sheet · Customer Registration Sheet *1	Instruction manual (This book)	
 <p>*1:Applicable only for Japanese customers</p>		

· Items included in the package of select stacker option unit

Select stacker unit	Fixing pedestal Assy	Reinforce plate/2	Wire Saddle × 6 pcs.
			
	Main body fixing plate	Ink cartridge	Ink cartridge storage bag
			
Main tray	Select tray	TP screw, black (M4 × 6 : 3 pcs.)	TP screw, black (M3 × 6 : 10 pcs.)
			
		Product Warranty Sheet · Customer Registration Sheet *1	Select stacker unit option quick guide
		 *1:Applicable only for Japanese customers	

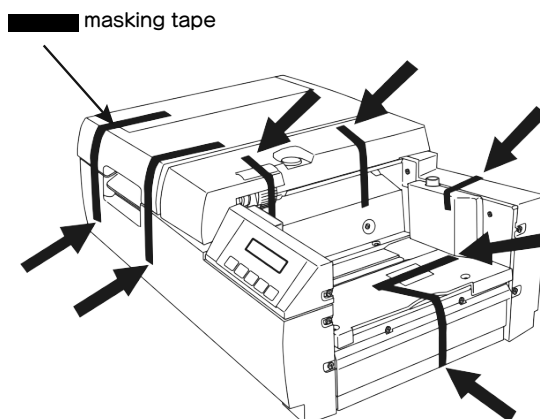
· Items included in the package of accessory kit option

Paper receiver	Paper discharge brackets	Paper discharge guide sheet	Rubber leg × 4 pcs.
			
Bind screw (M4 × 8 : 4 pcs.)	TP screw, black (M3 × 6 : 1 pcs.)	Accessory kit option quick guide	
			

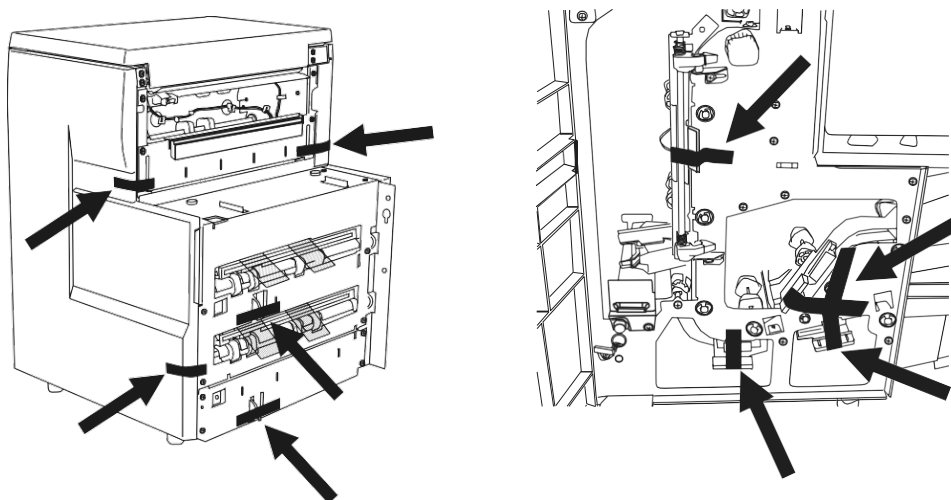
## Arrangements

1. Remove all masking tapes.

### · Main body



### · Select stacker unit option



For customers purchased select stacker unit option :

(  P.19 ~ P.32 )

### · Accessory kit option

Remove all masking tapes.

For customers purchased accessory kit option :

(  P.33 ~ P.36 )

## Installation procedure

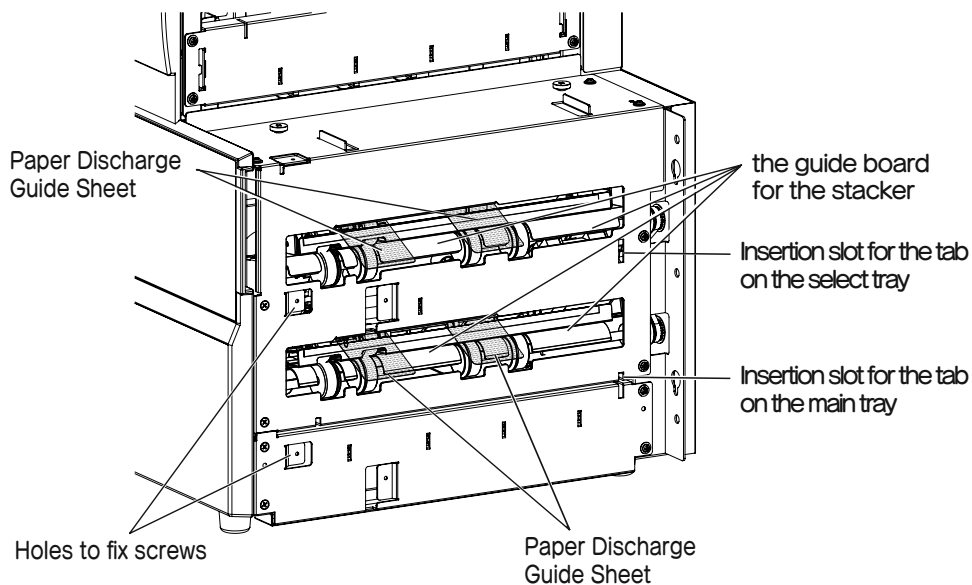
< For customers purchased select stacker unit option >

### ■ Select stacker unit

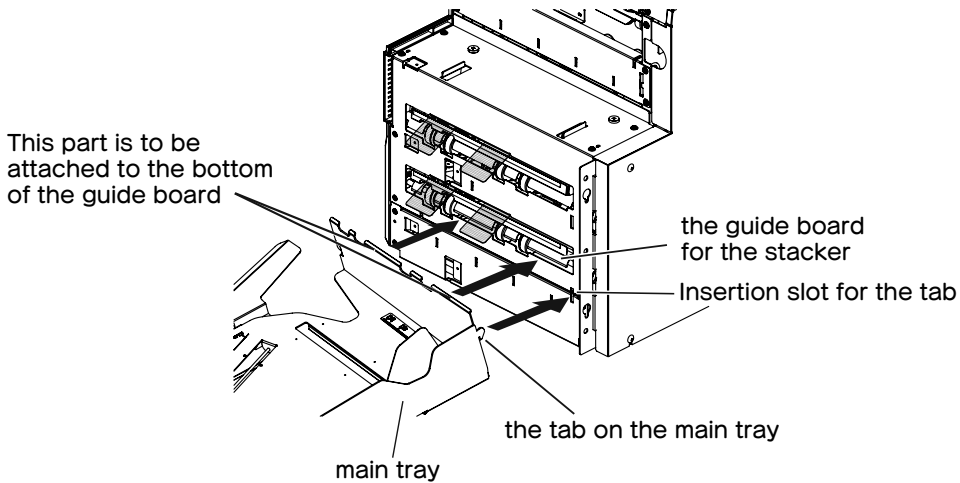
1. Attach the main tray to the select stacker unit.

#### NOTICE

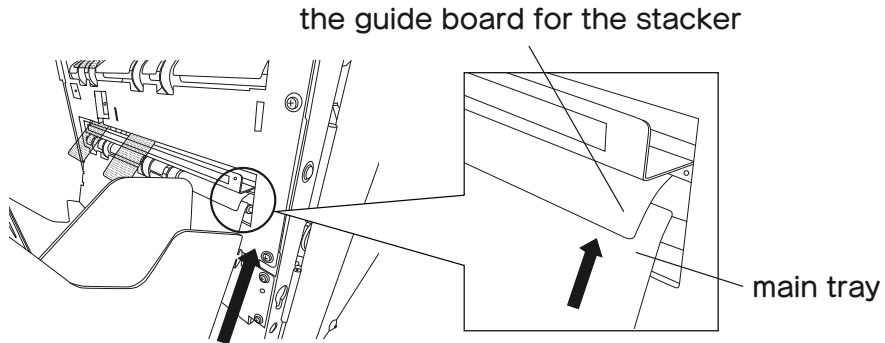
Please be careful not to break (bend) paper discharge guide sheet when you install.



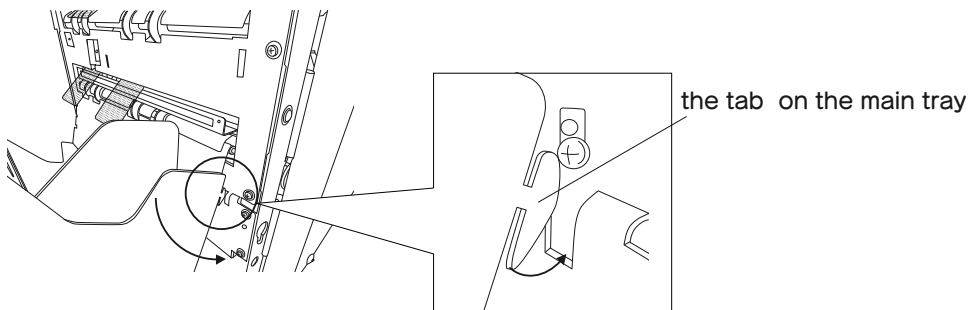
2. Hook the tabs on the main tray onto the holes in the select stacker unit.



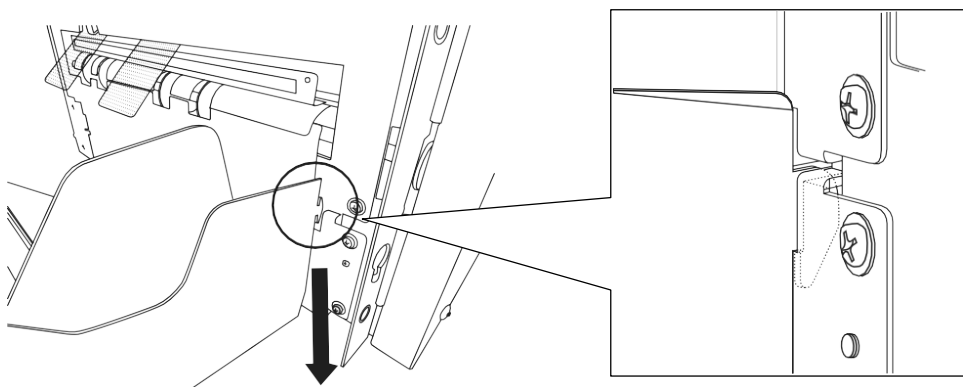
3. Insert main tray into the beneath of the guide board for the stacker unit.



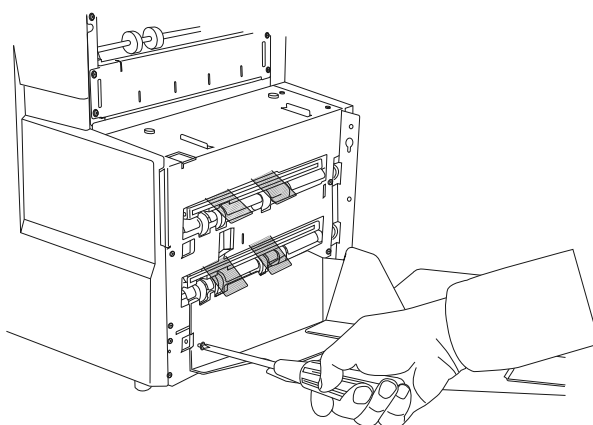
4. Insert the tab on the main tray into the hole, positioning the main tray so that it rotates downward.



5. Push down on the main tray, and hook the tab on the tray onto the hole.



6. Secure the main tray in place with the specified screw. (TP screw, black, M3 × 6)



## ⚠ WARNING



Your hand may touch main tray or select stacker tray when you fix screws. Please be careful not to lean your weight on it, otherwise it may cause damage or injury.

## NOTICE

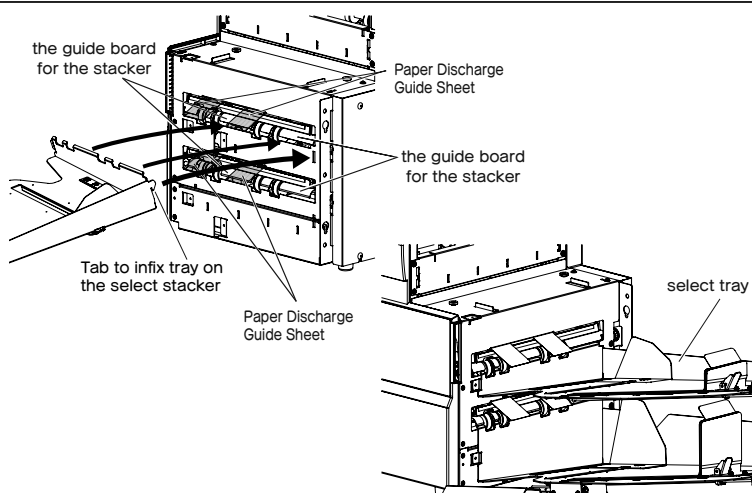
Please be careful not to break (bend) paper discharge guide sheet when you install.

7. Attach the select tray to the select stacker unit.  
Same like the procedure 2 ~ 5 for the main tray, hook the tabs of the select tray into the holes (for select tray) on the select stacker.

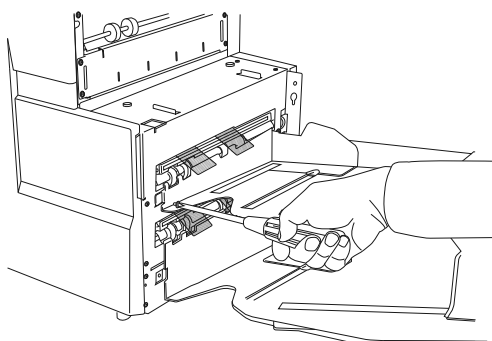
(  P.20 ~ P.22 )

## NOTICE

Please be careful not to break (bend) paper discharge guide sheet when you install.



8. Secure the main tray in place using the specified screw. (TP screw, black, M3 × 6)



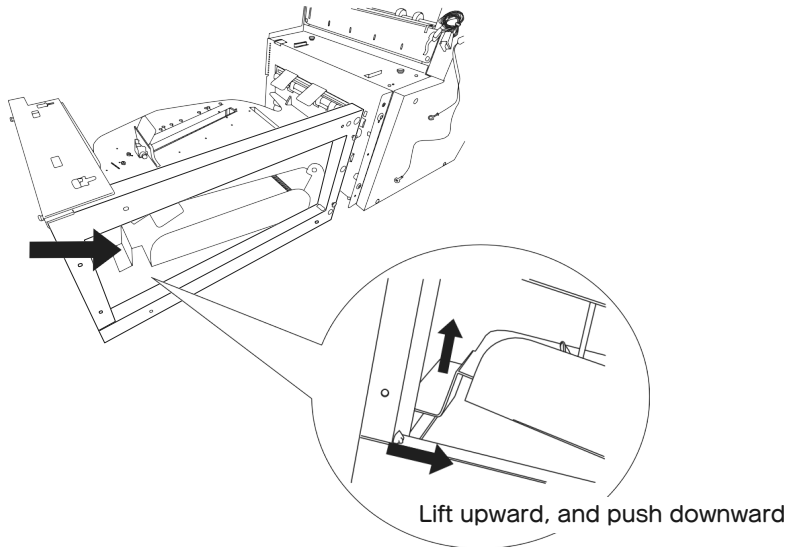
## ⚠ WARNING



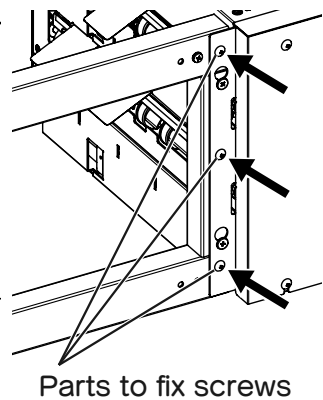
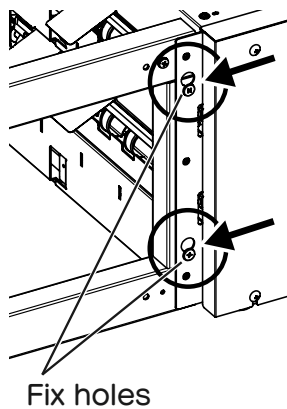
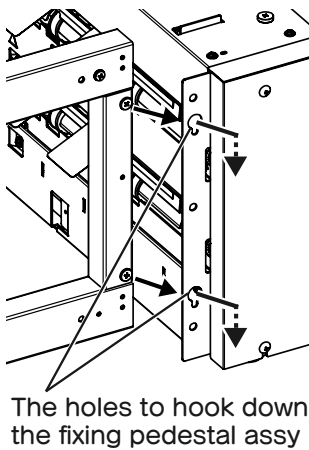
Your hand may touch main tray or select stacker tray when you fix screws. Please be careful not to lean your weight on it, otherwise it may cause damage or injury.



9. Set the fixing pedestal assy with the select stacker unit.  
Lift the main tray upward, and push down on the fixing pedestal assy.



10. Hook the fixing pedestal assy. onto the two holes on the stacker, and secure it in place with the three specified screws. (TP screws, black, M4 × 6)

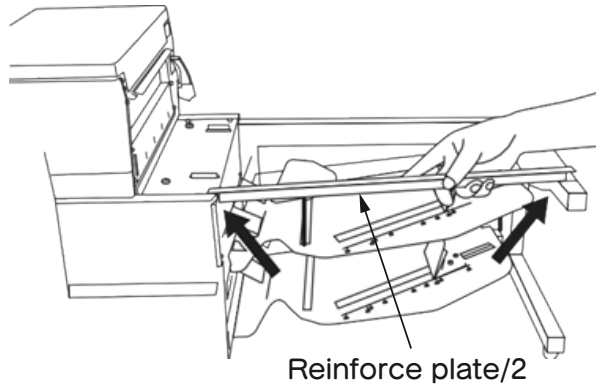


## ⚠ WARNING

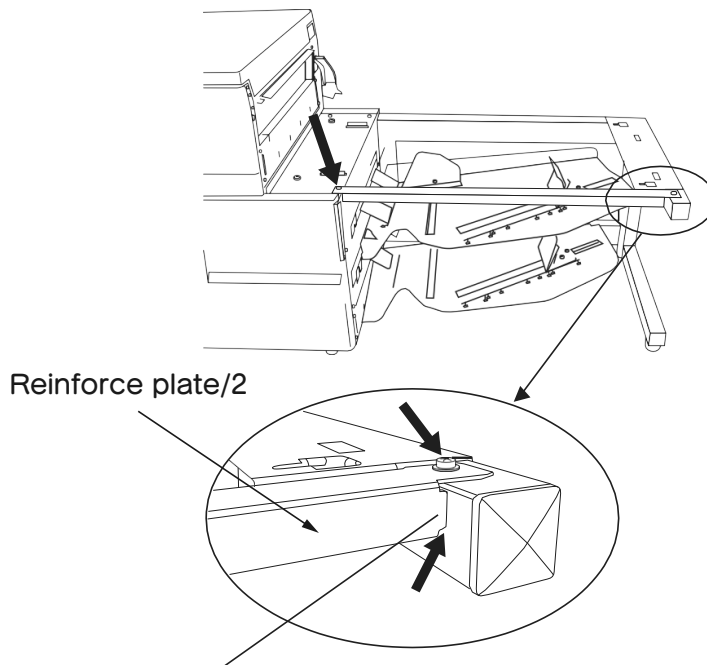


- Don't remove except the screw specified with an installation procedure document.  
It becomes the cause of a fire, an electric shock, and an injury.

- 11.** Hook insert the reinforce plate/2 into the slit on the select stacker unit, and place the opposite side on the fixing pedestal assy.

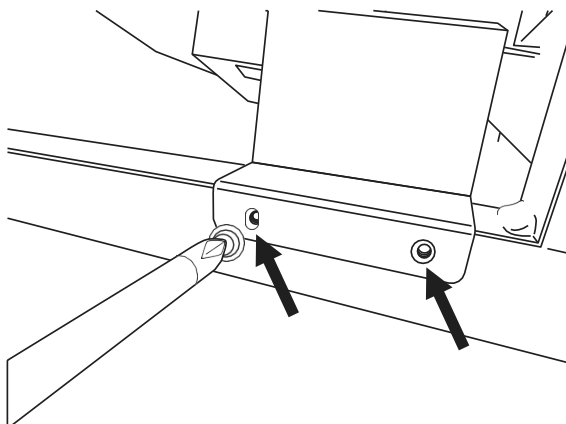


- 12.** Secure the reinforce plate/2 in place with the two specified screws so as to leave no gap remaining between the plate and the fixing pedestal assy. (TP screws, black, M3 × 6)

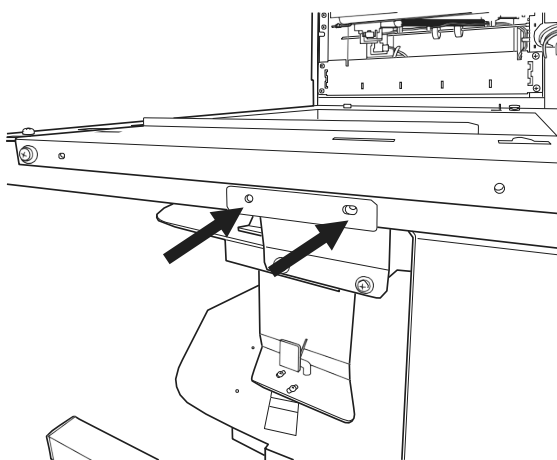


Make sure that there are no gaps between the parts.

- 13.** Secure the main tray to the pedestal assy. using the specified screws. (TP screws, black, M3 × 6)

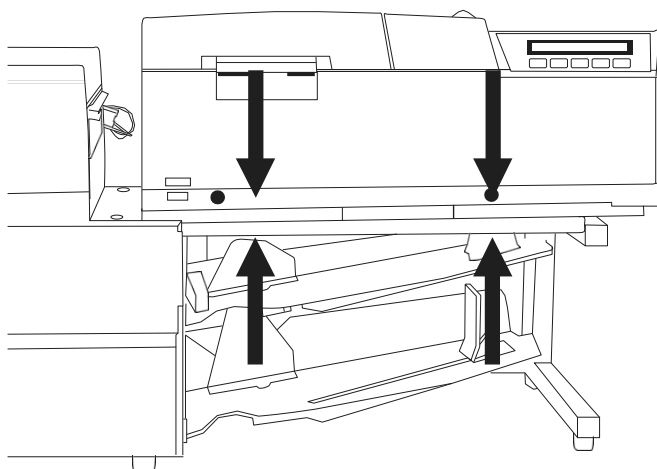


- 14.** Similarly, secure the select tray to the pedestal assy. using the two specified screws. (TP screws, black, M3 × 6)



## 15. Place the main body on the fixing pedestal assy.

- 1) Adjust the positions of the surfaces of the lower stay for the main body and the reinforce plate/2 so that they fit together.

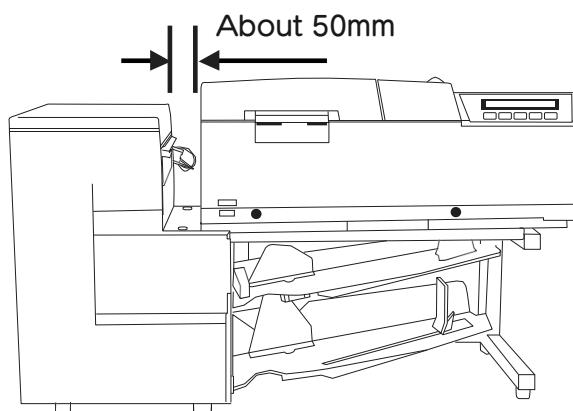


### ⚠ WARNING

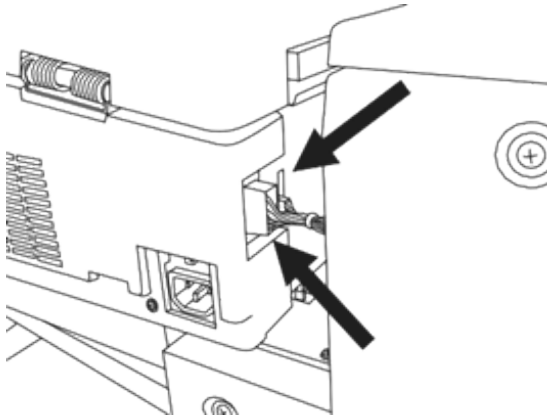


- When installing, please be careful not to get any of your fingers caught in or injured.

- 2) Position the main body from side to side so as to leave gaps of around 50 mm in width between it and the select stacker unit.



16. Insert two connectors.



17. Attach the earth-grounding wires. (Two places)

**⚠ WARNING**

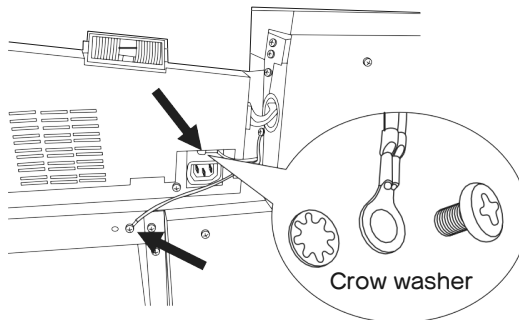


- Be sure to connect an earth-grounding wire. Otherwise, electric shock or injury may occur.

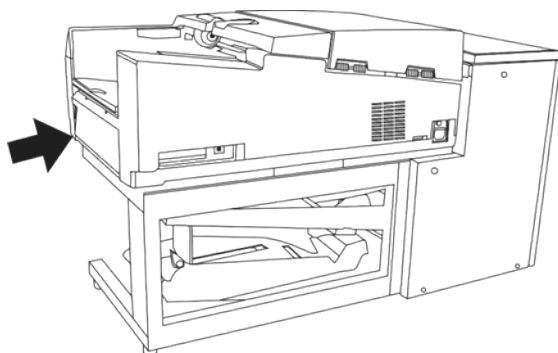
**⚠ CAUTION**



- Do NOT allow the crow washer to drop and fall into the parts.



- 18.** Push the main body up against the select stacker unit.  
When pushing on the main body, complete/confirm the below items 1) to 3). (Push in the direction of the arrow.)

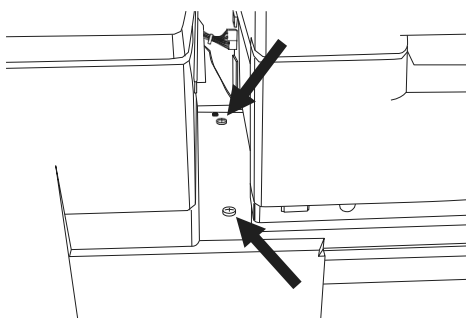


## ⚠ WARNING

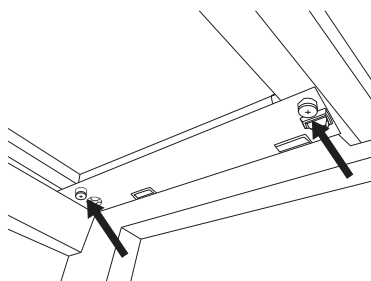


- When installing the main body, be careful not to get any fingers pinched in or between parts.

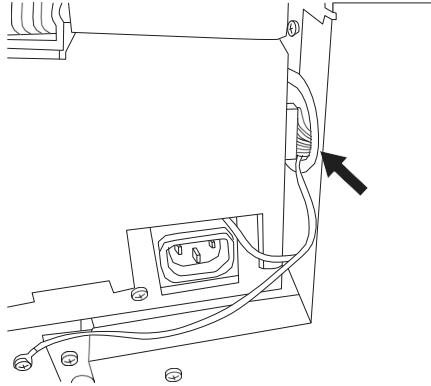
- 1) Hook the U-shaped portions of the fixed stay/1 and 2 onto the two stage screws on the select stacker unit.



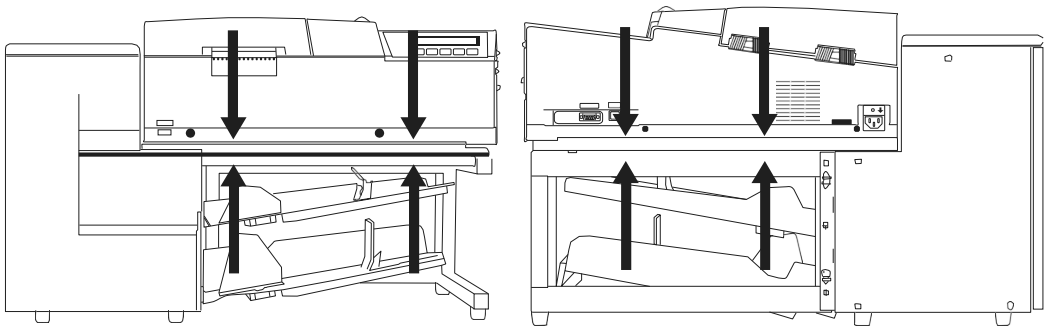
- 2) Insert the stage screws on the bottom side of the main body into the two holes on the fixing pedestal assy. of the select stacker unit.



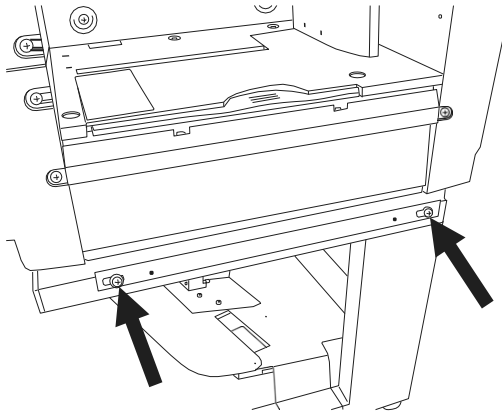
- 3) Insert the wiring into the hole on the select stacker unit, being careful NOT to allow it to get caught between the main body and the select stacker unit.



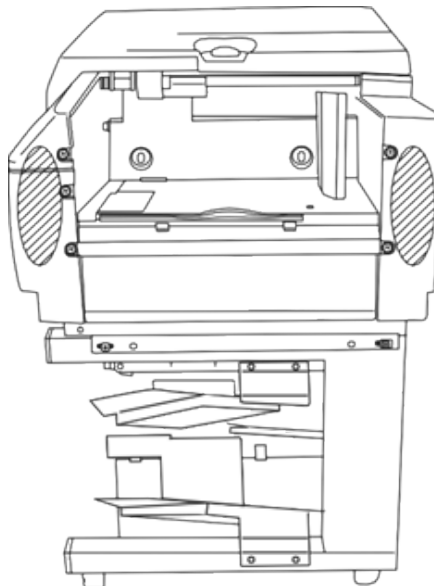
- 4) After pushing the main body up against the select stacker unit, check to ensure that there are no gaps between the fixing stay and the reinforce plate/2 from the front side. Moreover, check to ensure that there are no gaps between the fixing stay and the fixing pedestal assy. from the back side. If there are any gaps, repeat steps 1) to 3) again to correct the positions.



- 19.** Loosen the two adjustment screws by turning them counterclockwise. (2 screws).

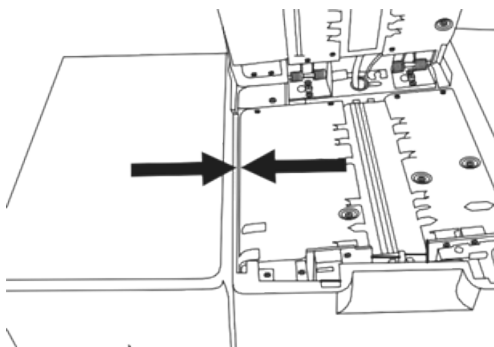


- 20.** Push the main body toward the select stacker unit, pushing on the shaded portions in the figure with equal amounts of force on either side. Tighten the two screws in the positions marked by to secure the main body in place.

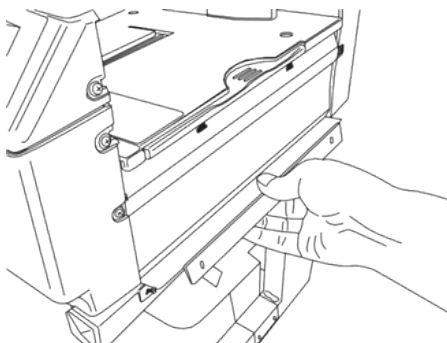




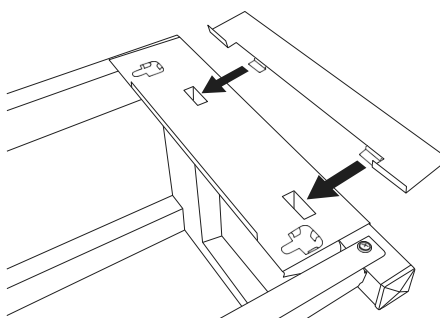
- 21.** Open the reading unit after the main body has been secured in place, and check to make sure that the guide plates between the main body and select stacker unit are approximately parallel to each other. If the guide plates are not parallel to each other, repeat steps 14 and 15 once again to reposition them. (Reference P.26 , P.27 )



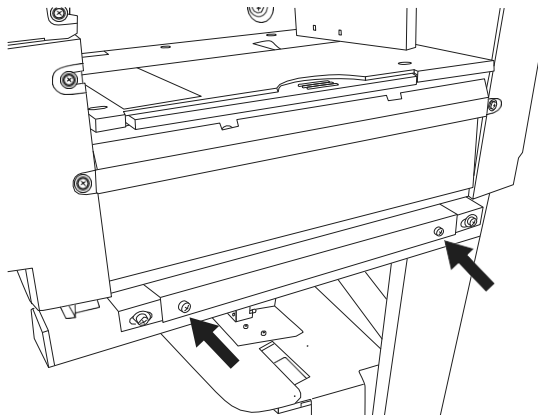
- 22.** Insert the main body fixing plate into the position shown in the figure.



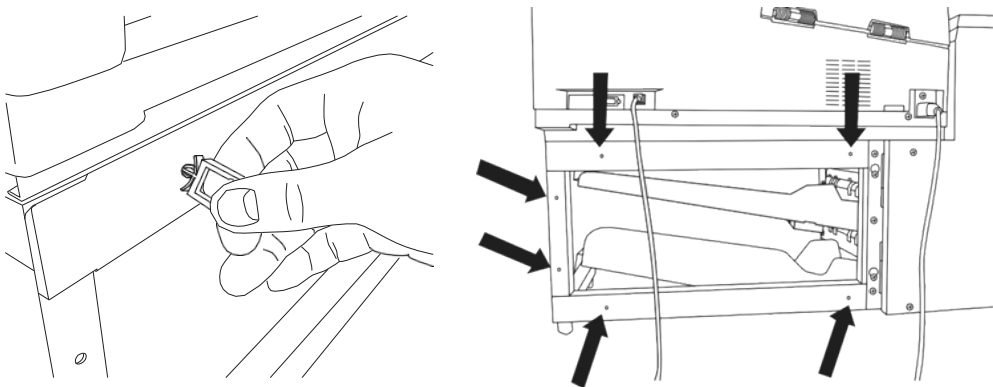
Insert the insertion tabs on the main body fixing plate into the two long slots on the fixing pedestal assy.



- 23.** Secure the main body fixing plate in place with the two specified screws. (TP screws, black, M3 × 6)



- 24.** Complete wiring to connect the power supply cord, USB cable, etc., using the included wire saddles.



This completes Installation of the unit.

Check the operation manual for further usage instructions.

< For customers purchased accessory kit option >

## ■ Accessory Kit Option

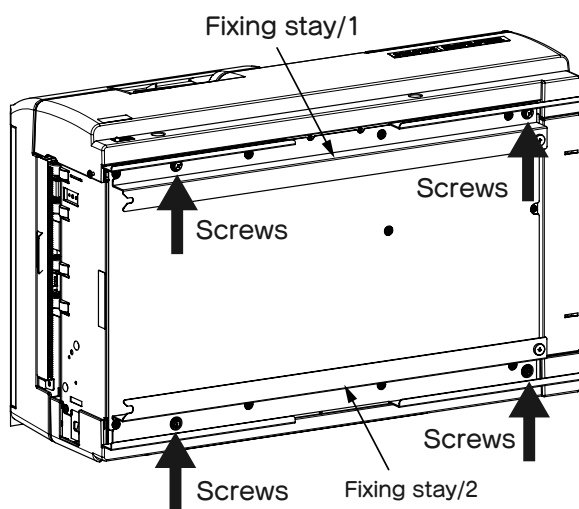
1. To install paper receiver, set the main body laying the side of it on the ground.

### **⚠ WARNING**

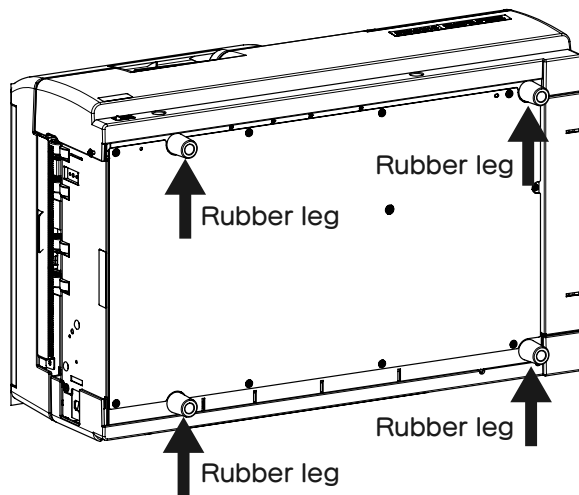


- When installing, be careful not to fall the main body down, which may cause injury or defect.

2. Turn and unfix four screws, and remove the fixing Stay/1 and Stay/2 from the main body.

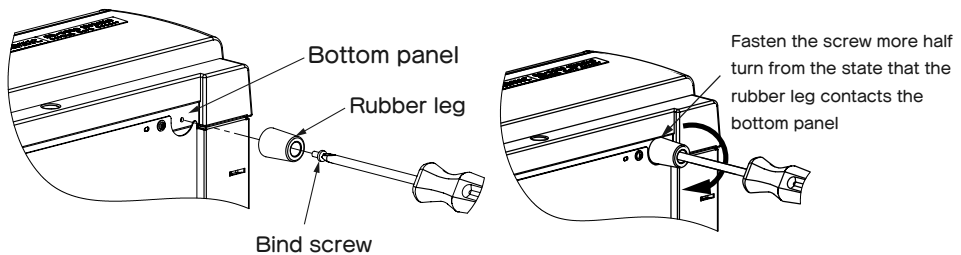


3. Attach 4 rubber legs onto 4 screw holes after detaching stay/1, and 2. (Bind screw M4 × 8)



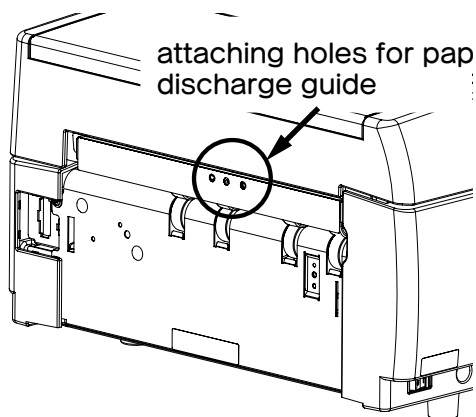
< Caution for installation of rubber legs >

- 1) Fasten the screw so that the rubber leg contacts the bottom panel slightly.
- 2) Fasten the screw more half turn from state of 1).

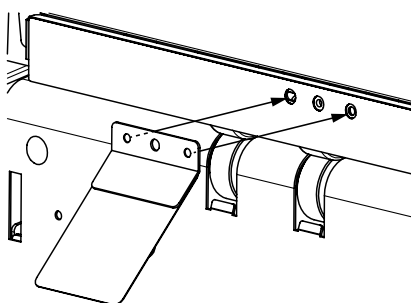


4. Put the main body on the ground with 4 rubbers legs down.

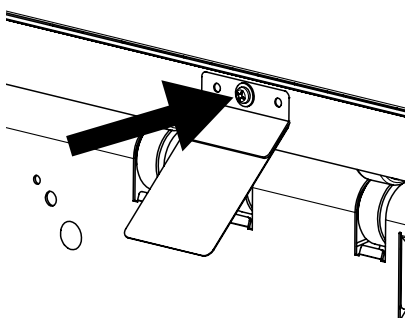
5. Attach the paper discharge guide sheet  
Install the paper discharge guide sheet to the attaching halls.



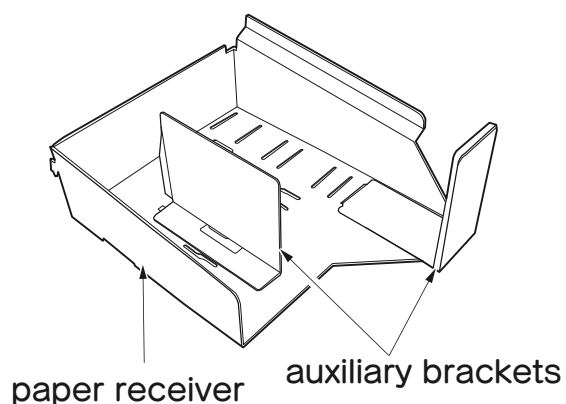
6. Set two embossed parts of the guide sheet to the halls.



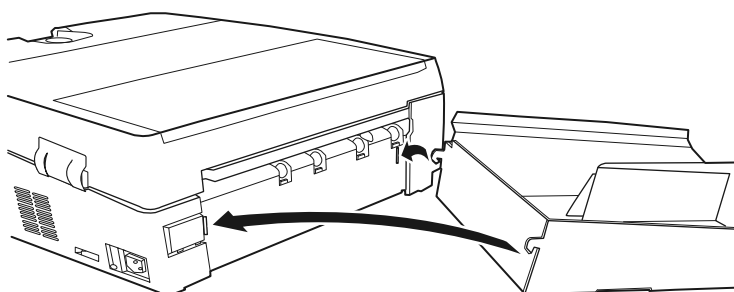
7. Fix the paper discharge guide sheet by fastening screw.  
(TP screw, black M3 × 6\_1 screws)



**8.** Install auxiliary brackets on the paper receiver.



**9.** Install the paper receiver on the main device. Hook tabs of the paper receiver into the slits on the back side of main body.



This completes Installation of the Accessory kit.

Check the operation manual for further usage instructions.



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