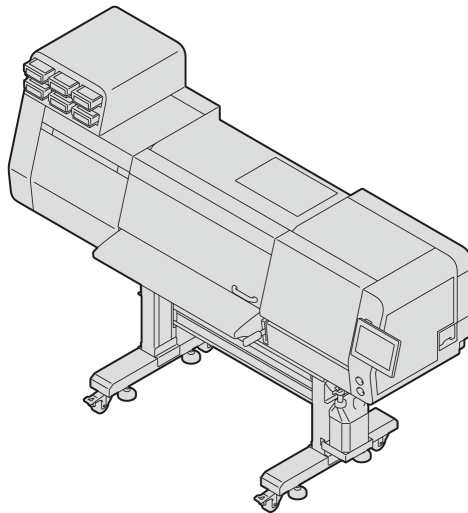


DTRX100

Professional Use

DTF printer

Setup Manual



Please be sure to read this manual before using this product.

Keep this manual in a safe place for future use.

This printer should only be used by operators who are appropriately trained in its safe operation.

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Chapter 1

SAFETY INSTRUCTIONS

Thank you very much for buying a BROTHER printer.

Before using your new printer, please read the "SAFETY INSTRUCTIONS" and handling instructions carefully.






Please keep this manual where it can be easily accessed when needed.

1.1 Safety indications and their meanings





This instruction manual and the indications and symbols that are used on the printer itself are provided in order to ensure safe operation of this printer and to prevent accidents and injury to yourself or other people.

The meanings of these indications and symbols are given below.

Indications



 DANGER	The instructions which follow this term indicate situations where failure to follow the instructions will result in death or serious injury.
 WARNING	The instructions which follow this term indicate situations where failure to follow the instructions could result in death or serious injury.
 CAUTION	The instructions which follow this term indicate situations where failure to follow the instructions may result in minor or moderate injury.
 IMPORTANT	The instructions which follow this term indicate situations where failure to follow the instructions may result in damage to property.
 NOTE	The instructions which follow this term indicate precautions and restrictions for use.

Symbols

	This symbol indicates something that you must not do.
	This symbol indicates that getting wet is prohibited.
	This symbol indicates that disassembly is prohibited.
	This symbol indicates something that you must do.

Chapter 1

SAFETY INSTRUCTIONS

	This symbol indicates that the grounding wire must be connected.
	This symbol indicates that the power plug must be unplugged immediately.

1.2 Notes on safety

DANGER



Contact with high voltage sections may lead to a serious injury. Turn off the power, unplug the power cord, and wait five minutes before removing the cover.

 **WARNING**

<Basic Information>



To prevent accidents and malfunctions, do not modify the printer yourself. Brother will not be held responsible for any accidents or malfunction resulting from modifications made to the printer.



Do not handle the power plug with wet hands. Otherwise, it may cause electric shock.

<Installation>



Do not set up the printer in a dusty environment. If dust collects inside the printer, it may cause fire, electric shock, or malfunction.



Be sure to connect the ground. If the ground connection is not secure, you run a high risk of receiving a serious electric shock, and problems with correct operation may also occur.



Do not bend the cords excessively or fasten them too hard with staples or anything similar to secure cords. Otherwise it may cause fire or electric shocks.



Professional operators should be responsible for transportation, loading, unloading, and installation.

Proper equipment and technical skills are required for handling. Improper or forced work may result in serious accidents.

Chapter 1

SAFETY INSTRUCTIONS

WARNING



Refer to the Instruction Manual for the printer's weight and place it on a level, stable surface that can support its weight.

Installing it on an inappropriate surface may result in serious accidents such as tipping, falling, or collapsing.



Load, unload and install the printer with at least the number of people specified in the Instruction Manual.

Improper handling or attempting to lift the printer with insufficient personnel may cause injury. If it is dropped, you may get injured.



Always lock the stand casters.

If the stand starts to roll, it may lead to serious accidents, such as being crushed.



When storing roll media, take sufficient safety measures to prevent it from rolling, falling, or tipping over.

There is a risk of serious injury if you are caught under the media.

<Printing>



Turn off the power immediately, unplug the power cord, and contact your dealer or a trained technician if any foreign object enters the printer. If you continue to use the printer while there is a foreign object inside, it may result in fire or electric shocks or problems with correct operation.



Do not allow the printer to come into contact with liquids. Otherwise it may cause fire or electric shocks or problems with correct operation.

Turn off the power immediately, unplug the power cord, and contact your dealer or a trained technician if any liquid enters the printer.



WARNING



Do not use the printer when smoke or a bad odor is coming from the printer. Otherwise it may cause fire or electric shocks or problems with correct operation. Turn off the power immediately, unplug the power cord, and contact your dealer or a trained technician.



Keep your finger or any body part away from the rotating fan. Otherwise, it will get caught up, leading to injuries.

Turn off the power when you approach the fan.

Chapter 1

SAFETY INSTRUCTIONS

CAUTION

<Environmental requirements>



Use the printer in a place which is adequately ventilated.

<Installation>



Setting up and moving of the printer should only be carried out by a qualified technician.



The printer weighs 268 kg (591 lb).

Follow the correct procedure when transporting or setting up the printer. If the printer is dropped or tipped over, it may cause injury.



Turn off the power, unplug the power cord, and contact your dealer or a trained technician if the printer topples over. If you continue to use it, it may result in fire or electric shock or poor printing quality.



Do not set up the printer in a place where it will be affected by vibration. Otherwise the printing quality may be degraded or the printer may topple over, which causes injury or results in failure of the printer.











Do not connect the power cord until installation is complete. The printer may operate if the power is turned on by mistake, which could result in injury.



Do not climb onto the printer or place heavy objects on top of it. Otherwise it may become unbalanced and tip over or fall down and cause injury.

 **CAUTION**

- 
When handling roll media, be careful to prevent it from falling.
Attempting to lift heavy media by yourself may cause injury. If it is dropped, you may get injured.
<Printing>
- 
This printer should only be used by operators who are appropriately trained in its safe operation.
- 
Ensure there is adequate space left in front of the printer and avoid placing any objects.
- 
Do not put your hands inside the covers while the printer's power is turned on. Otherwise your hands may touch against moving parts and this may result in injury.
- 
Contact your dealer or a trained technician if the printer malfunctions.
<Maintenance>
- 
Be careful not to pinch your fingers when closing each cover. You may get injured if you pinch your fingers.
- 
When you mount or replace the head, be careful not to get your hands or fingers caught. Otherwise you may be injured.
- 
The carriage moves at high speed. Do not touch the carriage while it is operating, as there is a risk of getting caught.
Do not open the cover during printing.

 **CAUTION**



Do not disassemble the ink pouch. If the ink gets into your eyes or onto your skin, it may cause inflammation. In case of contact with eyes, do not rub but immediately rinse the eyes with water.



Do not drink any liquids, such as ink, cleaning solutions, or waste liquids. They may cause diarrhea or vomiting.

Do not allow ink, cleaning solution, or waste liquid to come into contact with your eyes or skin. It may cause inflammation. In case of contact with eyes, do not rub but immediately rinse the eyes with water.

Keep the liquids out of the reach of children.



Do not touch the media immediately after printing. Undried ink may adhere to the skin and cause inflammation.



When cleaning or performing maintenance, wear protective goggles, gloves, and long sleeves, and avoid allowing ink, cleaning solutions, or waste liquids to come into contact with your eyes or skin. It may cause inflammation.

In case of contact with eyes, do not rub but immediately rinse the eyes with water.



The platen and areas around the heater become hot.
Be careful not to burn yourself.



When replacing parts and installing optional accessories, be sure to use only genuine Brother parts. Brother will not be held responsible for any accidents or problems resulting from the use of non-genuine parts.

Chapter 1

SAFETY INSTRUCTIONS

CAUTION



When replacing parts or installing optional accessories, be sure to follow the procedures described in the Instruction Manual. Incorrect procedures could cause injuries or problems.

IMPORTANT

<Printing>



Ensure there is adequate space left in front of the printer and avoid placing any objects.

 **Note**



Use the printer in an area which is free from sources of strong electrical noise, such as electrical line noise or static electric noise. Sources of strong electrical noise may cause problems with correct operation.



Any fluctuations in the power supply voltage should be within $\pm 10\%$ of the rated voltage for the printer. Voltage fluctuations which are greater than this may cause problems with correct operation.



The power supply capacity should be greater than the requirements for the printer's power consumption. Insufficient power supply capacity may cause problems with correct operation.



In the event of an electrical storm, turn off the power and disconnect the power cord from the wall outlet. Lightning may cause problems with correct operation.



The printer is not suitable for use in places where children are present.

About trademarks

The names of operating systems described in the main context of this manual are abbreviated. In this manual, the ® marks or TM marks are not used.

Brother logo is registered trademark of Brother Industries, Ltd.

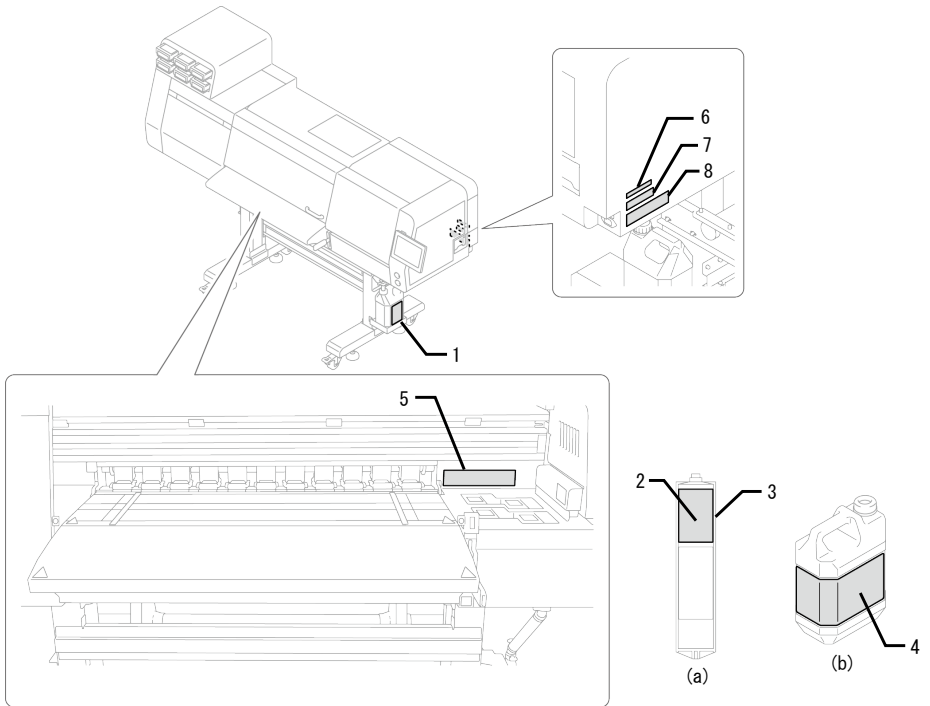
The official name of Windows® 11 is Microsoft® Windows® 11 operating system. (represented as Windows 11 in this manual)

Microsoft® and Windows® 11 are trademarks or registered trademarks of Microsoft Corporation in the United States of America and other countries.

Other product and company names mentioned herein may be the trademarks or registered trademarks of their respective owners.

Information in this manual and the specifications of this product are subject to change without notice.

1.3 Warning labels



- (a): Ink pouch (warning label 2 on the front side and 3 on the back side)
- (b): Cleaning solution bottle

Chapter 1

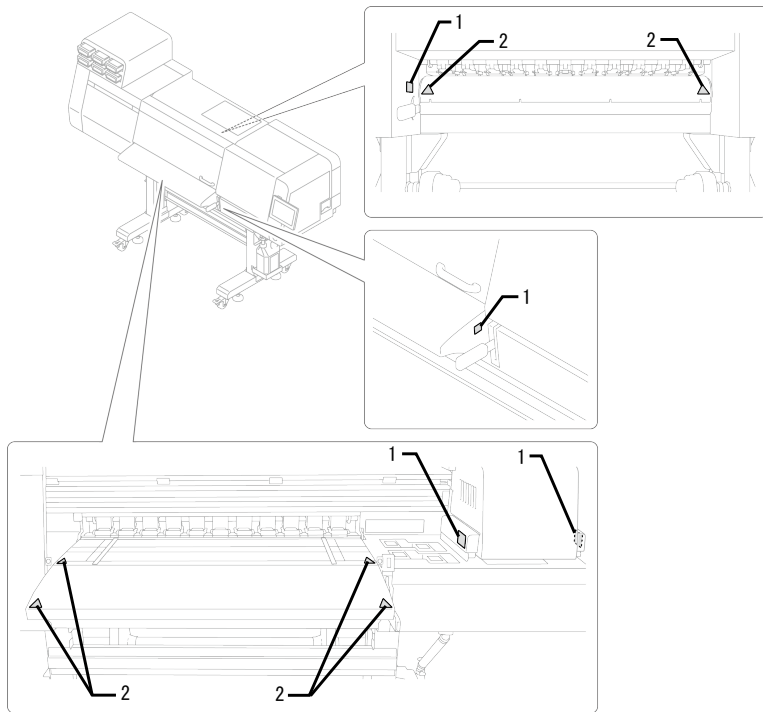
SAFETY INSTRUCTIONS

1.4 NOTE

This section provides supplementary information on the safe use and proper operation of the product.

Be sure to read the contents of this NOTE before use.

If the label is peeled off or illegible, contact your dealer.

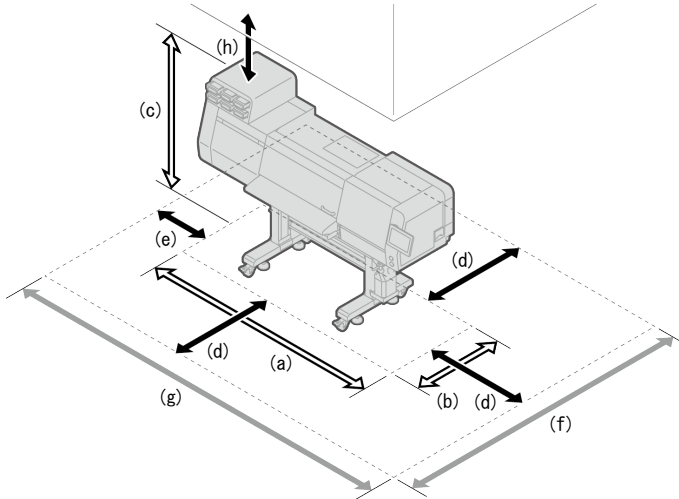


Chapter 2

Installation

2.1 Checking the installation site

2.1.1 Space around the printer



! IMPORTANT

- The ink pouch for use in the initial installation should be sent in advance to the location where to install the printer and stored indoor.
*If you use ink at extremely low temperature when the outside temperature is low or in the cold season, the ink becomes hard to flow during ink installation.
- The body size is 90.9 in. (width) (a) x 33.5 in. (depth) (b) x 63.4 in. (height) (c) (231 cm (width) (a) x 85 cm (depth) (b) x 161 cm (height) (c)). The printer weighs 268 kg (591 lb).

Chapter 2

Installation

- Leave the following space for maintenance work. If this space is not secured, you will have to move peripherals or the printer when making a repair.
 - Leave at least 39.4 in. (100 cm) (d) of space at the front, rear, and right side of the printer.
 - Leave at least 19.7 in. (50 cm) (e) of space at the left side of the printer.
(The total required work space is at least 112.2 in. (285 cm) (f) in the front-rear direction and 150.0 in. (381 cm) (g) in the left-right direction.)
 - Leave at least 15.7 in. (40 cm) (h) of space above the printer.
- Place a level gauge on the top surface of the platen when installing the printer and adjust the printer so that it is level (within a 1/100 gradient).

2.1.2 Environment

- The following environmental requirements should be met:

Environment	Temperature	Humidity
During storage	0°C (32°F) to 40°C (104°F)	20% to 85% (no condensation)
Working Environment*1	18°C (64.4°F) to 30°C (86°F)	
Recommended Print Environment*2	20°C (68°F) to 28°C (82.4°F)	35% to 65% (no condensation)

*1: Environmental range where the printer can be operated.

*2: Environmental range where sufficient printing quality can be secured.

- Avoid direct sunlight and dust.

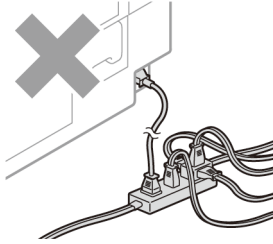
2.1.3 Electrical Requirements

- The following environmental requirements should be met:

Electrical Requirements	Power	Power Consumptions
—	Single-phase 200-240 V, 50/60 Hz	When active 7.5 A max.

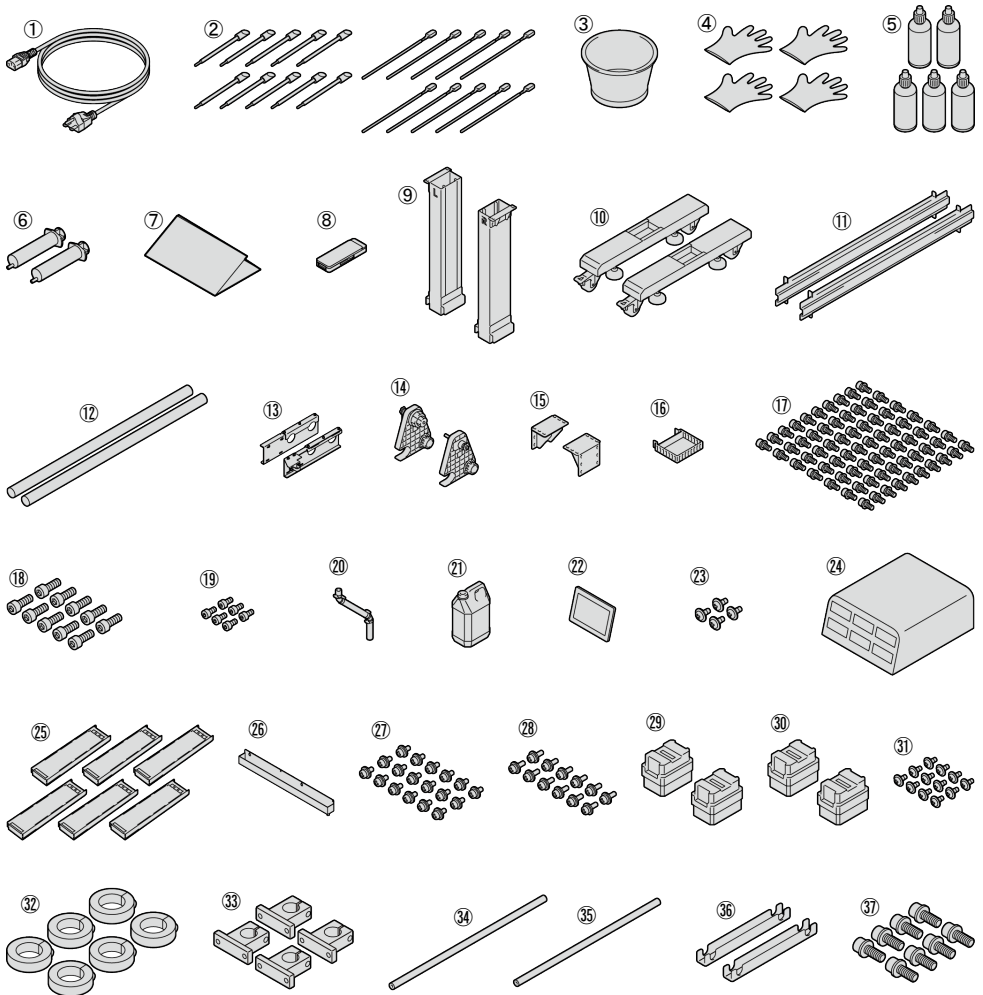
Chapter 2 Installation

- Do not use an extension cable.
- When connecting the power cord to the printer, do not use a daisy chain.



2.2.2 Components included with printer

Check the supplied accessories.



Chapter 2

Installation

①	AC power cord	⑳	Waste ink tube
②	Clean stick R × 10 / Clean stick T × 10	㉑	Waste ink tank
③	Cleaning cup	㉒	Operation panel
④	Gloves (for cleaning the maintenance unit) × 4	㉓	Cup S-tight M4×8 (black) × 4
⑤	Mini cleaning solution bottle × 5	㉔	Cartridge slot
⑥	Syringe × 2	㉕	Cartridge × 6
⑦	Safety Manual	㉖	Ink tray
⑧	Setup Manual (USB) (this document)	㉗	M3 × 8 screws with integrated washer × 18
⑨	Stand legs (one each for left and right)	㉘	M3 × 10 screws with integrated washer × 12
⑩	Caster × 2	㉙	Print head (for color printing) × 2
⑪	Beam × 2	㉚	Print head (for white) × 2
⑫	Media bar×2	㉛	Cup S-tight M3 × 6 (silver) × 12
⑬	Media bar bracket (one each for left and right)	㉜	Collar for bar fastening ×6
⑭	Media holder (one each for left and right)	㉝	Bar clamp×4
⑮	Stand bracket×2	㉞	Arm connection bar for printer side L1126
⑯	Waste ink tank holder	㉟	Arm connection bar for shaker side L956
⑰	Hexagon socket head bolt with integrated washer M5×12×70	㊱	Joint arm ×2
⑱	Hexagon socket head bolt M6×16 ×10	㊲	Hexagon socket head bolt with integrated washer M10×30 ×8
㉑	Hexagon socket head bolt M4×8 ×6		

2.2.3 Other required preparations

Prepare the following items along with the supplied accessories:

What you buy from our distributors

- Ink pouch
- Cleaning solution
- Powder
- Media

Others

- LAN cable

Chapter 3

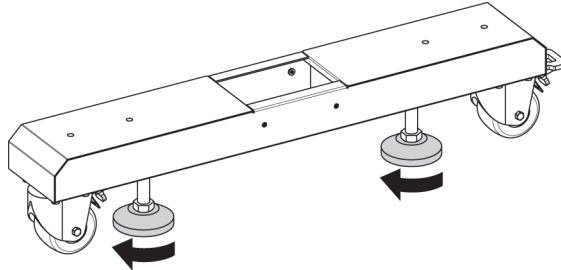
Setup of the printer

! Note

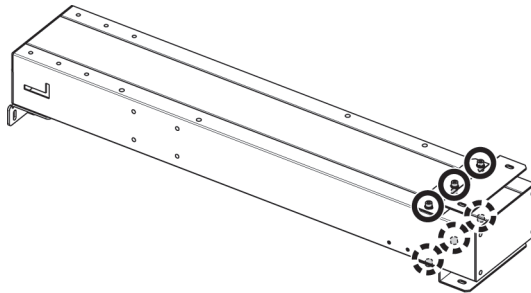
- Some parts may have burrs or similar irregularities. When performing assembly work, be sure to wear work gloves to prevent injury.

3.1 Assembling the stand

- 1 Lower the caster adjusters so that the stand does not move on the casters.



- 2 Loosen the six lower bracket-mounting bolts on the stand leg (three locations on each side).



Chapter 3

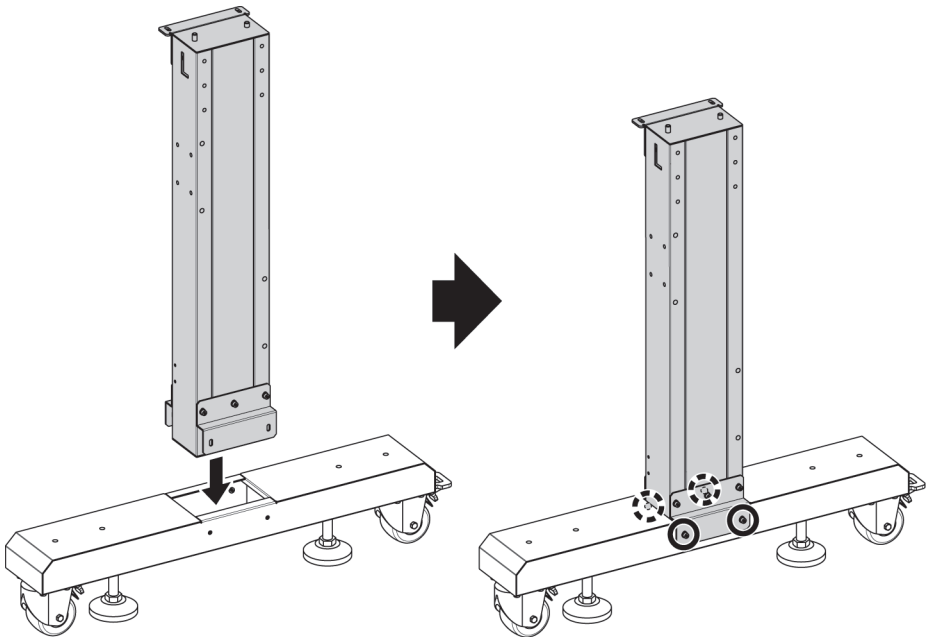
Setup of the printer

- 3 Insert the stand leg into the caster, and temporarily tighten the four M5×12 hexagon socket head bolts with integrated washers ⑰ at the four mounting bracket locations on the front and back.



TIPS

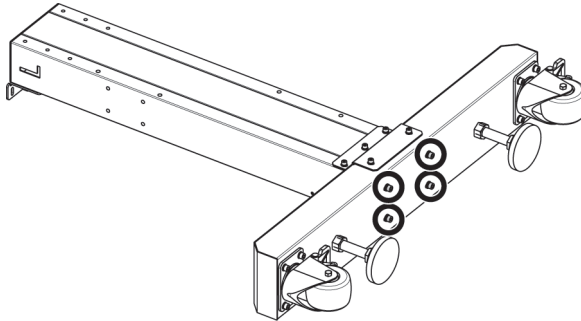
- The mounting bracket must be positioned on the outside of the caster.



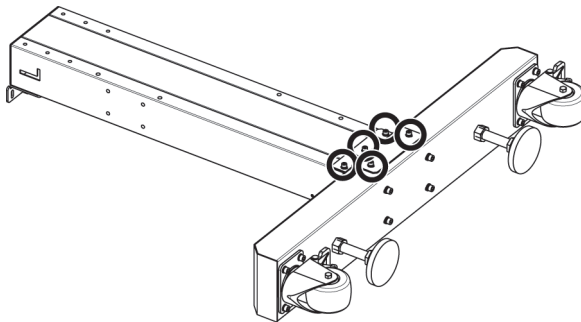
Chapter 3

Setup of the printer

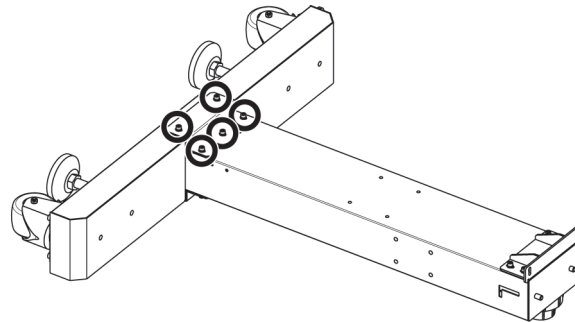
- 4 Lay the stand leg on its side and fully tighten the four M6×16 hexagon socket head bolts ⑱ at the bottom.



- 5 After securing the bottom bolts, fully tighten the five bracket bolts.



- 6 Lay the stand leg on its opposite side and fully tighten the five bracket bolts.



- 7 Assemble the other stand leg in the same manner as in steps 1–6.

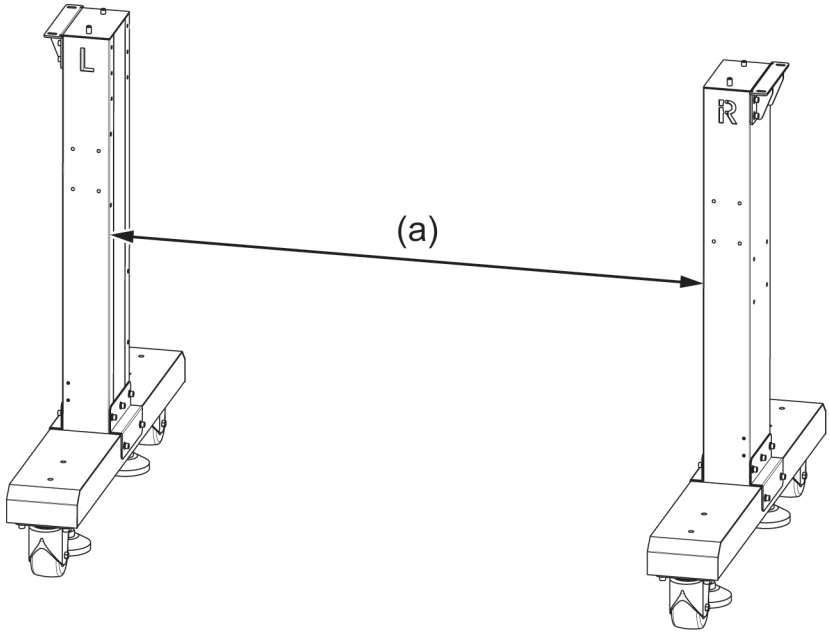
Chapter 3

Setup of the printer

- 8 Position the left and right stand legs in parallel with an interval of approximately 39.4 in. (1000 mm) (a) between them.

TIPS

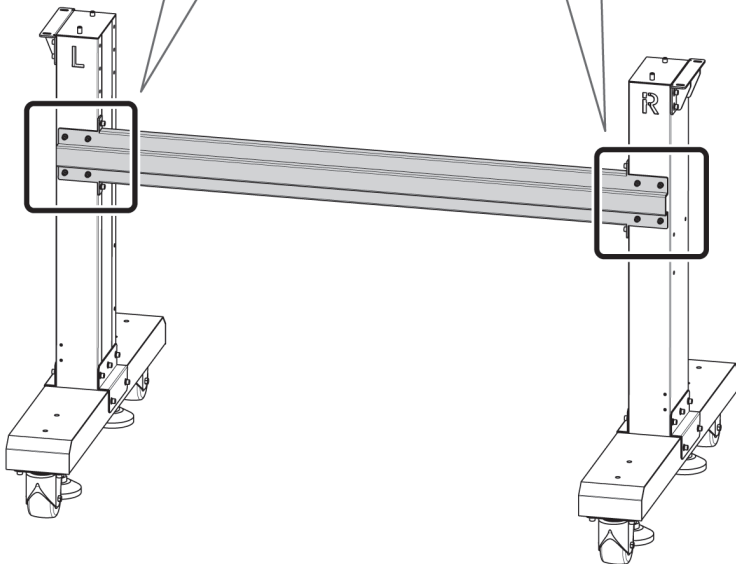
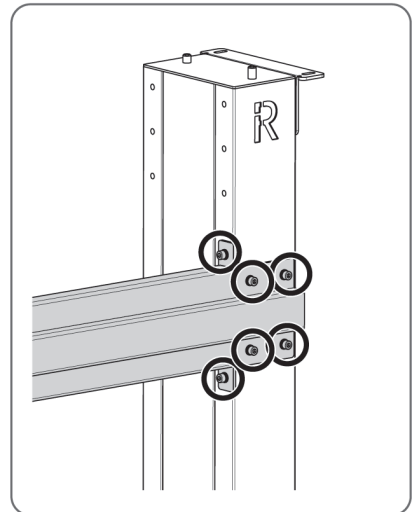
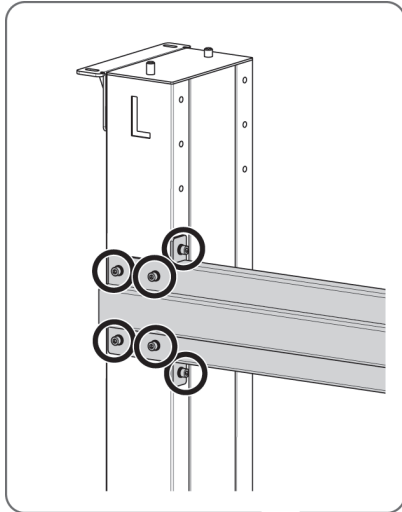
- The sides labeled “L” and “R” face the front.



Chapter 3

Setup of the printer

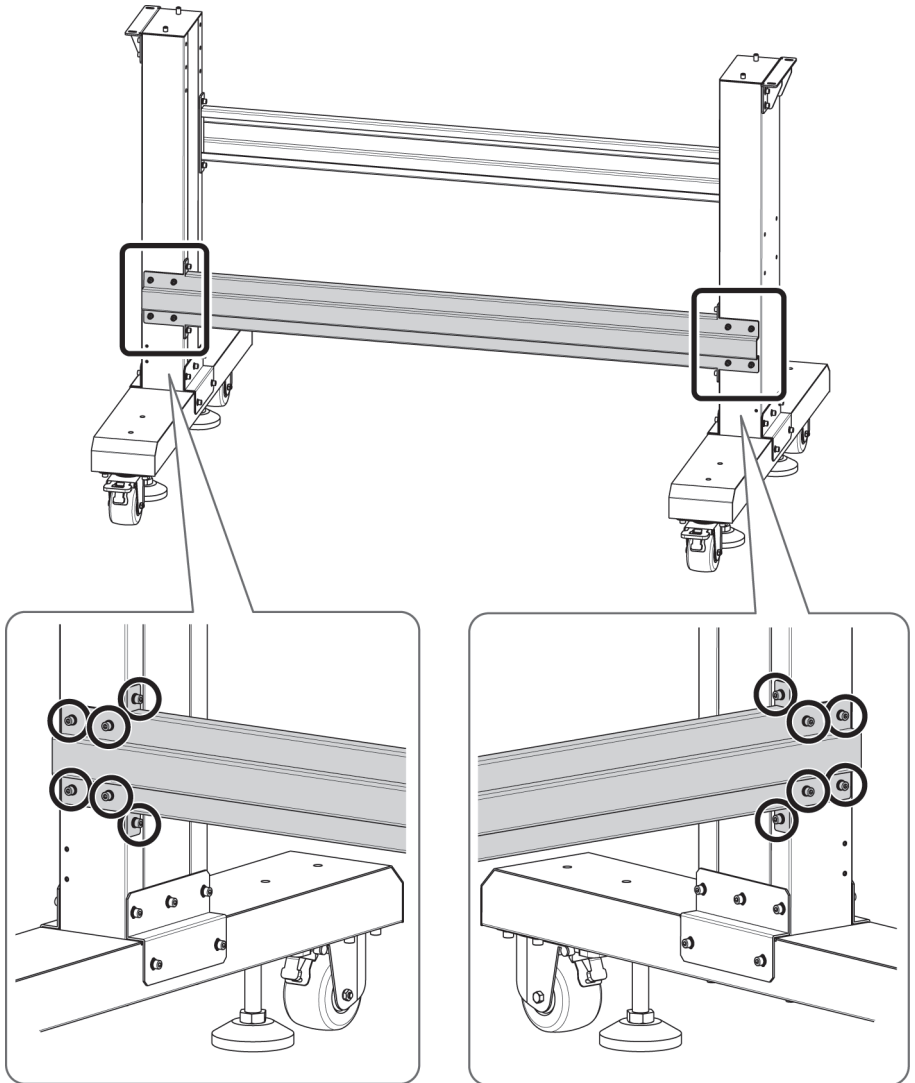
- 9 Temporarily fasten the beam to the stand legs at six locations on each side using twelve M5×12 hexagon socket head bolts with integrated washers ⑰.



Chapter 3

Setup of the printer

- 10 Temporarily fasten the beam to the back side of the stand legs in the same manner as in step 9.



- 11 Fully tighten the twenty-four bolts temporarily fastened in steps 9 and 10.

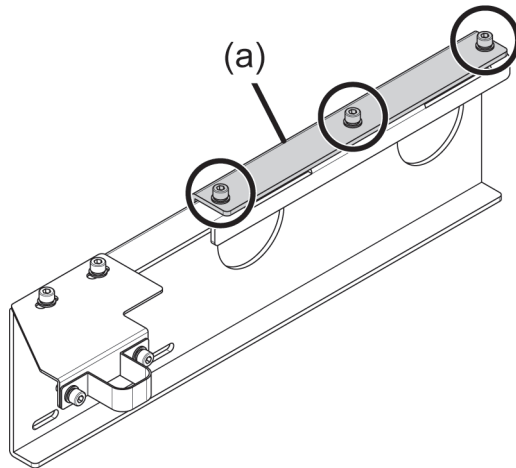
3.2 Attaching the media holders

3.2.1 Attaching the media bar brackets

- 1 Remove the three bolts from the media bar bracket (R) and remove the bar-fixing bracket (a).

! Note

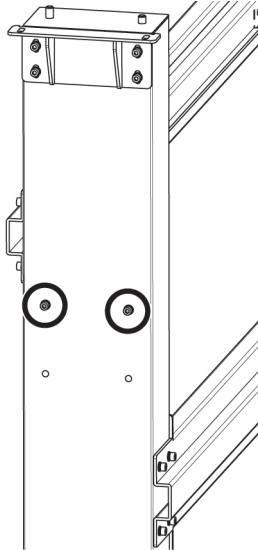
- Note that the shapes of L and R differ. R is shown in the illustration below.



Chapter 3

Setup of the printer

- 2 Temporarily tighten the two M5 × 12 hexagon socket head bolts with integrated washers ⑰ into the upper holes on the outside of the right stand leg (R).



Chapter 3

Setup of the printer

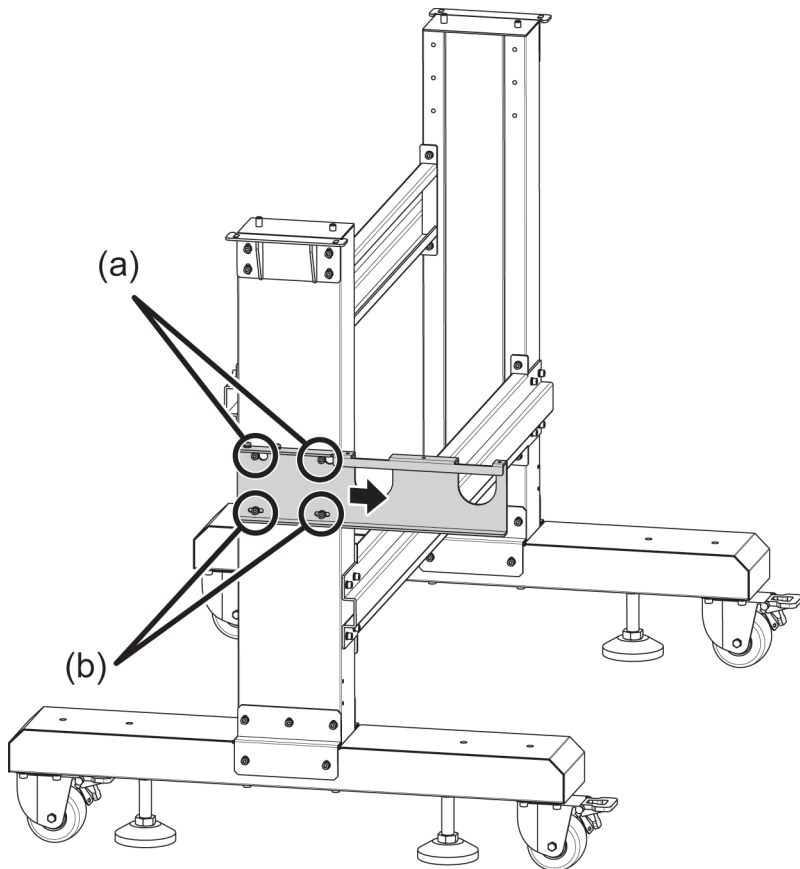
- 3 Pass the two upper holes of the media bar bracket (R) over the two temporarily fastened bolts (a) and slide it toward the rear.

Temporarily tighten the two lower positions with two M5 × 12 hexagon socket head bolts with integrated washers (b) ⑰, and then temporarily tighten the two upper bolts (a) again.



TIPS

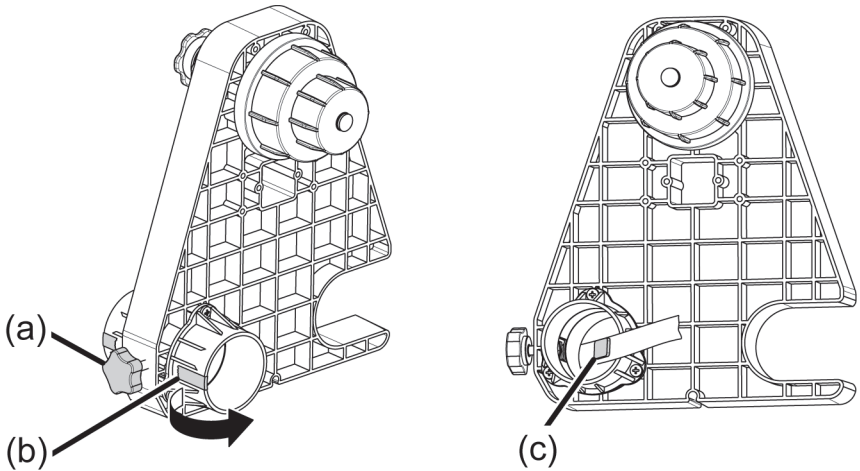
- For visibility, the waste-ink tube fixing bracket is not shown in the illustration below.



- 4 Assemble the other media-bar bracket (L) in the same manner as in steps 1–3.

3.2.2 Attaching the media holders

- 1 Loosen fixing screw (a), and peel off tape (b) attached to the media holder. Remove the metal plate (c) from inside the media holder.



Chapter 3

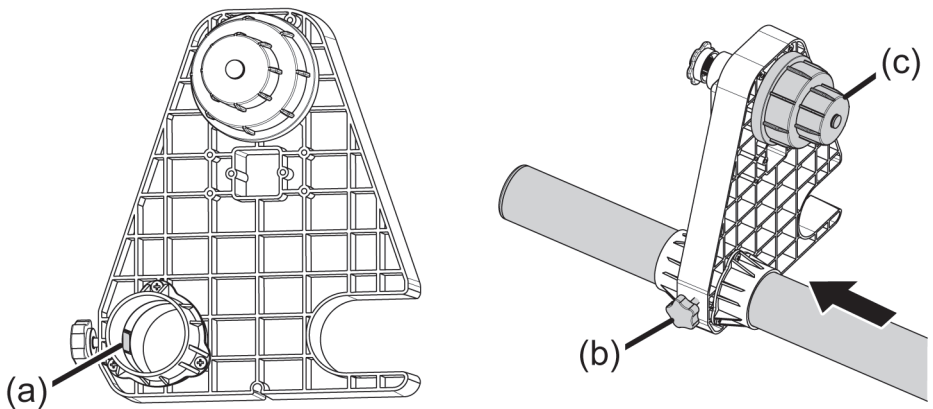
Setup of the printer

- 2 Fit the metal plate into recess (a) inside the media holder, and pass the media bar through the media holder while ensuring the metal plate does not come off.

Temporarily tighten fixing screw (b) on the media holder.

! Note

- Be sure to check the L/R orientation of the media holder. (The end cap (c) must face inward)



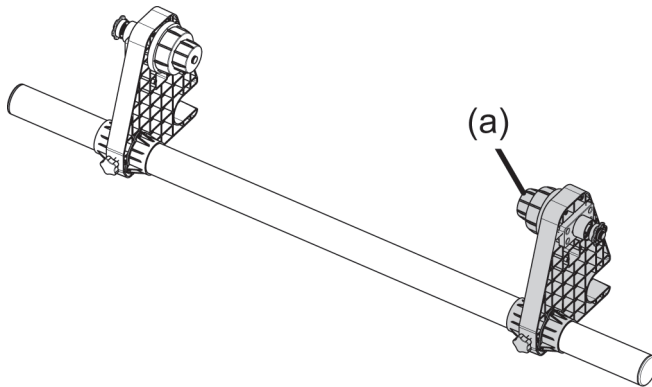
Chapter 3

Setup of the printer

- 3 Pass the other media holder onto the media bar in the same manner as in steps 1–2.

! Note

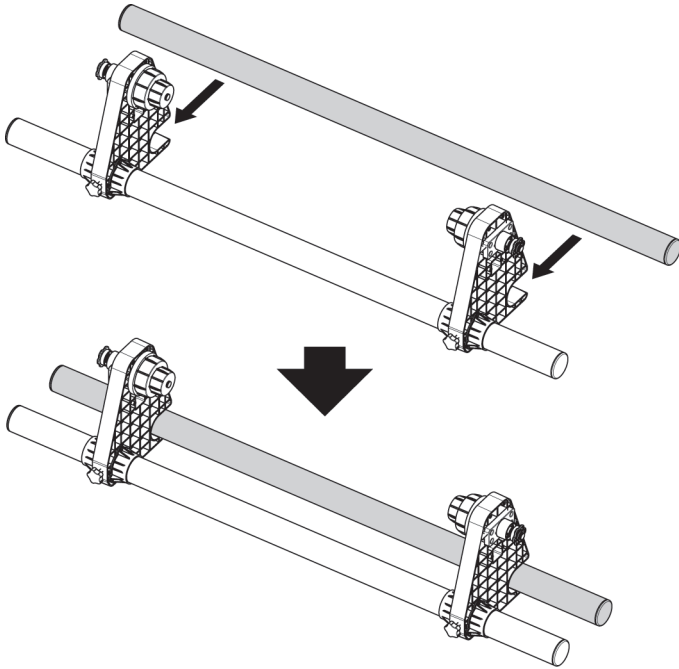
- Be sure to check the L/R orientation of the media holder. (The end cap (a) must face inward)



Chapter 3

Setup of the printer

- 4 Fit the second media bar into the U-grooves on the left and right media holders.



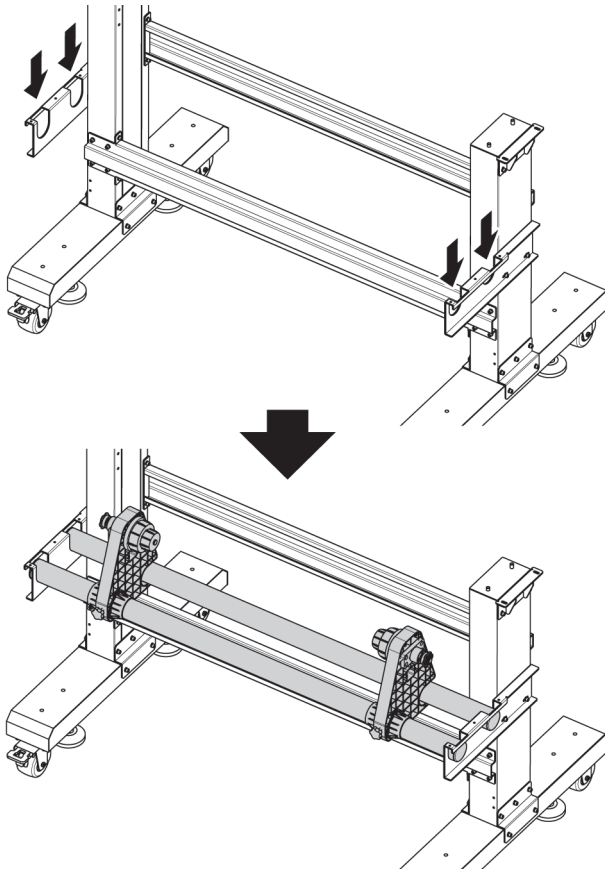
Chapter 3

Setup of the printer

- 5 Fit the media bars into the two grooves on each side of the media-bar brackets.

! Note

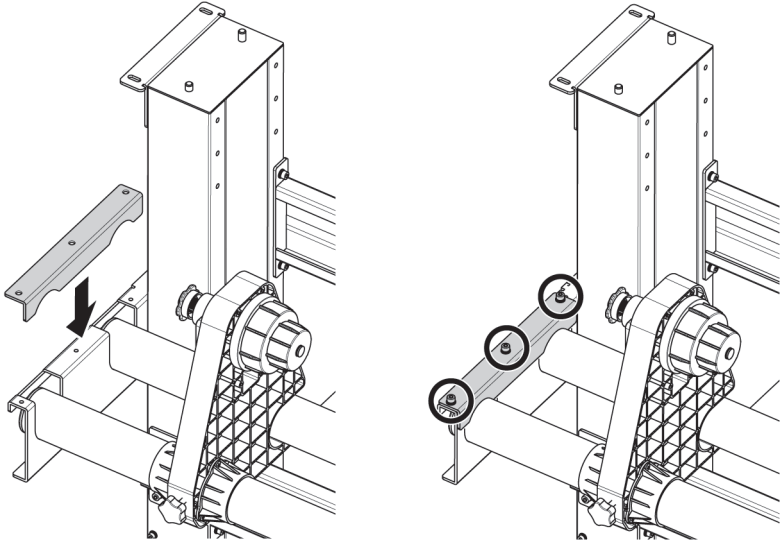
- Assemble so that the fixing screws on the media holders face the rear side.



Chapter 3

Setup of the printer

- 6 Attach the bar-fixing bracket to the media-bar bracket, and firmly tighten the three bolts removed in step 1 in [Attaching the media bar brackets on page 31](#) to secure them.

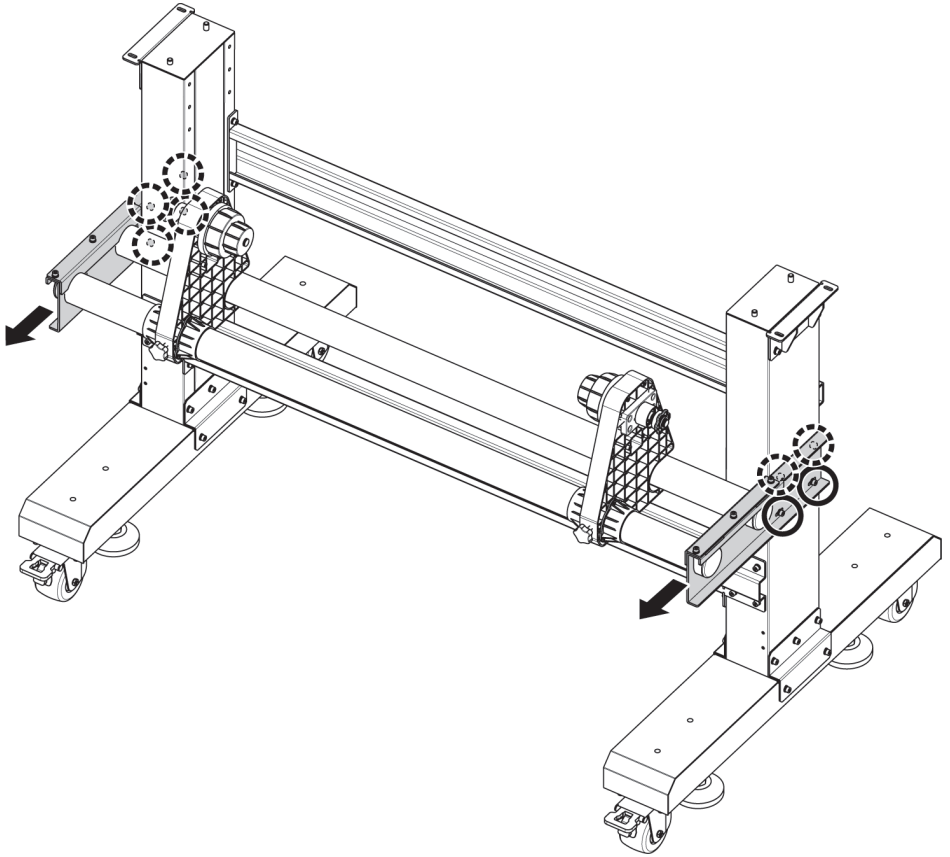


- 7 Attach and secure the bar-fixing bracket on the opposite side in the same manner.

Chapter 3

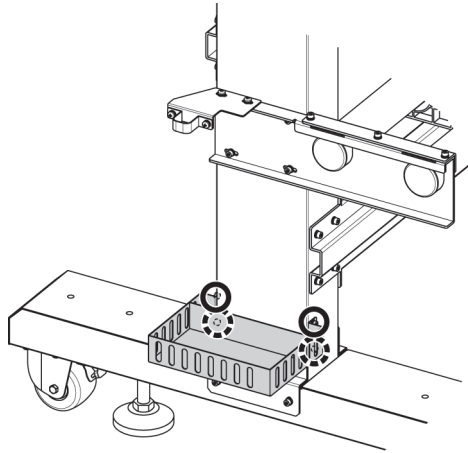
Setup of the printer

- 8 Move the left and right media-bar brackets inward in the direction of the arrows, and fully tighten the eight temporarily tightened bolts to secure them.



3.2.3 Attaching the waste ink tank holder

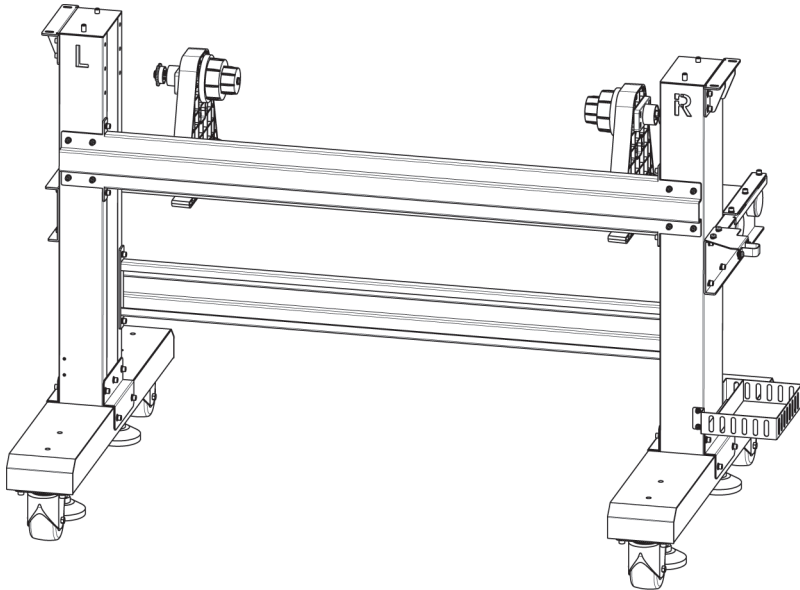
- 1 Attach the waste ink tank holder to the lower part of the stand leg (R) using the four M4×8 hexagon socket head bolts ⑱.



Chapter 3

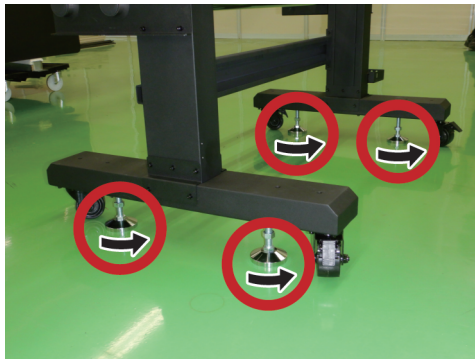
Setup of the printer

Stand assembly complete



3.3 Attaching the printer to the stand

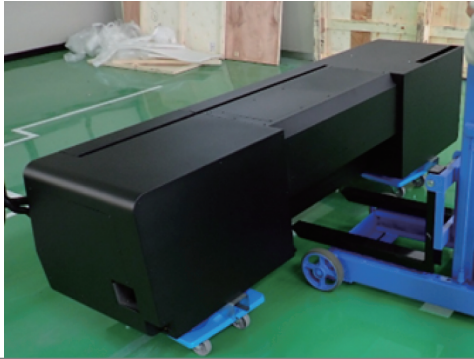
- 1 Raise the caster adjusters so that the stand can move on the casters



Chapter 3

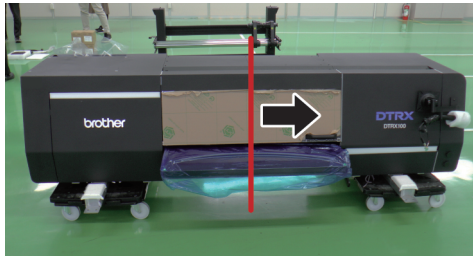
Setup of the printer

- 2 Insert the lift forks into the center area of the printer.



TIPS

- Inserting the forks slightly toward the R side from the center provides better weight balance and stability.



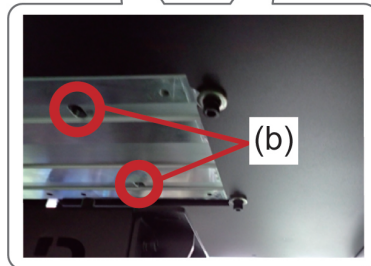
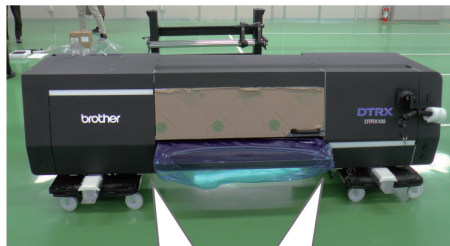
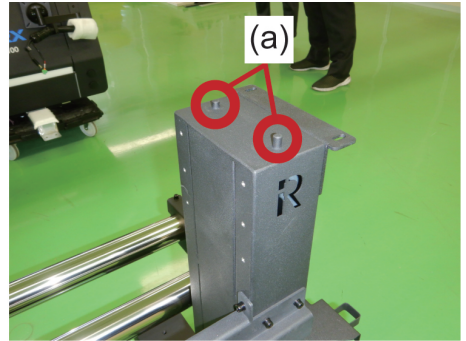
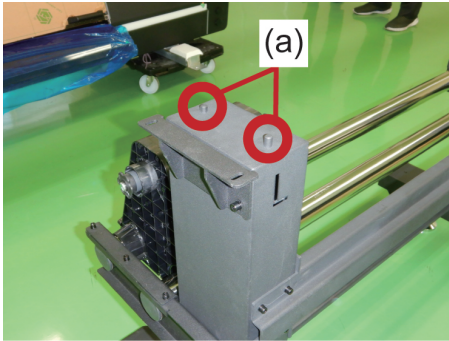
Chapter 3

Setup of the printer

- 3 Lower the printer onto the stand so that the bosses on the upper part of the stand legs (four locations) (a) align with the boss holes on the bottom of the printer (four locations) (b).

! Note

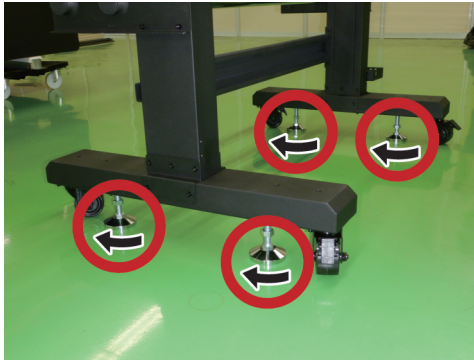
- Ensure that there is no lifting or uneven contact on the printer.



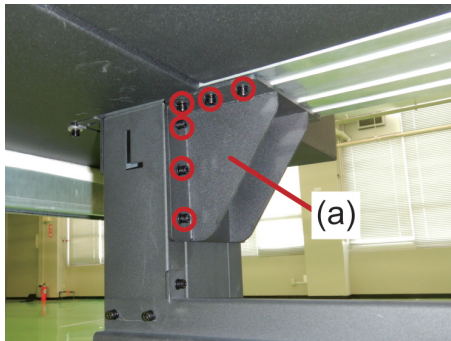
Chapter 3

Setup of the printer

- 4 Lower the caster adjusters so that the printer does not move on the casters.



- 5 Temporarily tighten the stand bracket (a) to the inside of the stand leg (L) with the 12 M5×12 hexagon socket head bolts with integrated washers ⑰.



- 6 Loosen the four screws on the outer stand bracket.



Chapter 3

Setup of the printer

- 7 Lift the outer stand bracket, place it against the printer, and temporarily tighten it with the six screws.

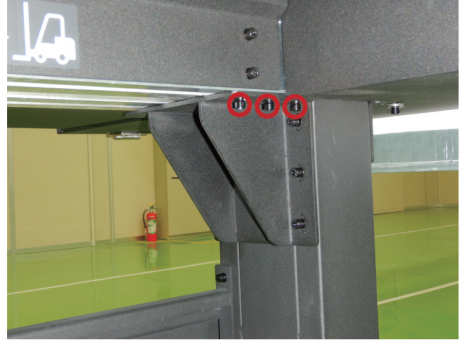


- 8 For the stand leg (R), temporarily tighten the stand bracket and outer stand bracket in the same manner as in Steps 5–7.

Chapter 3

Setup of the printer

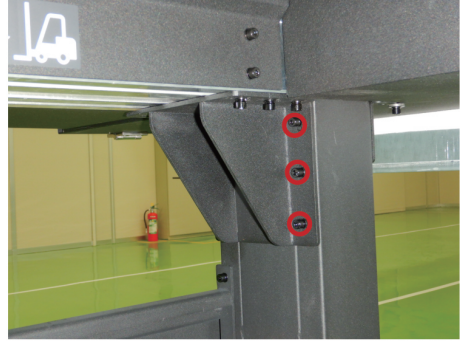
- 9 Firmly tighten the eight upper screws of the stand bracket and outer stand bracket on the stand leg (L).



Chapter 3

Setup of the printer

- 10 Firmly tighten the ten screws on the stand-leg side of the stand bracket and outer stand bracket on the stand leg (L).

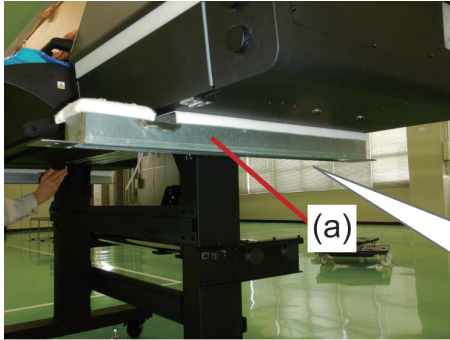


- 11 For the stand leg (R), firmly tighten the stand bracket and outer stand bracket in the same manner as in Steps 9–10.

Chapter 3

Setup of the printer

- 12 Remove the six screws and detach the printer retainer (a).



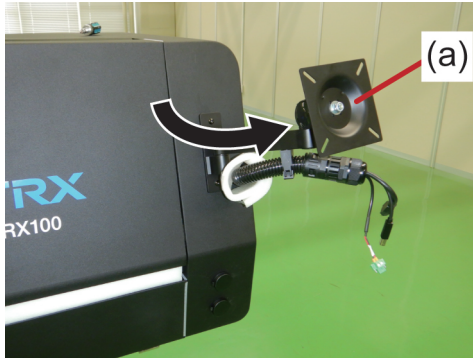
- 13 Install the removed six screws onto the printer.



- 14 Detach the printer retainer on the opposite side in the same manner as in Steps 12–13.

3.4 Installing the operation panel

- 1 Extend the folded display arm (a).



- 2 Attach the operation panel using four M4×8 cup S-tight screws (black) ㉓.

! Note

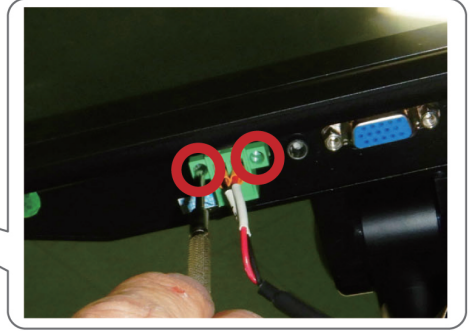
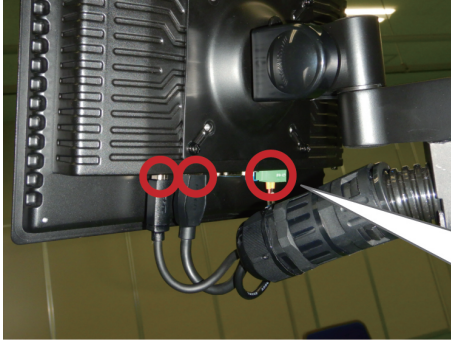
- Use the outer holes.



Chapter 3

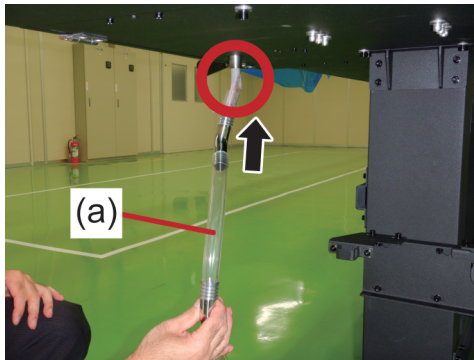
Setup of the printer

- 3 Connect the three cables from the printer to the operation panel, and fully tighten the two connector screws.



3.5 Installing the waste ink tank

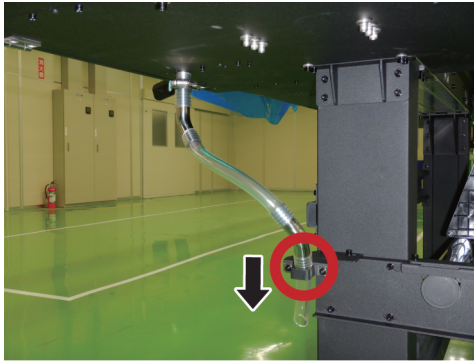
- 1 Pass the tube coming from the printer through the waste liquid tube (a).



Chapter 3

Setup of the printer

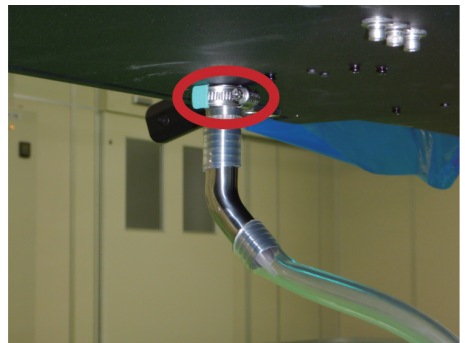
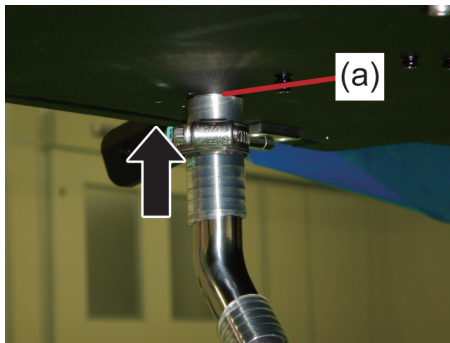
- 2 Pass the waste liquid tube through the waste liquid tube fixing bracket.



- 3 Insert the waste liquid tube into the printer and tighten the band to secure the tube.

! Note

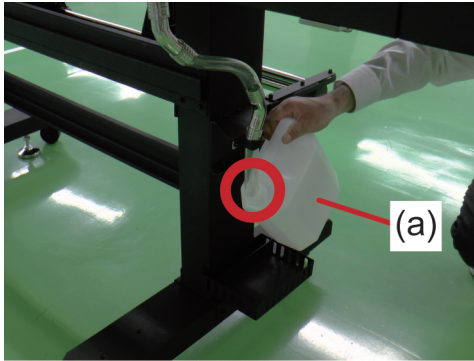
- Ensure that the gap (a) between the printer and the waste liquid tube is 0.2 in. (5 mm) or less.



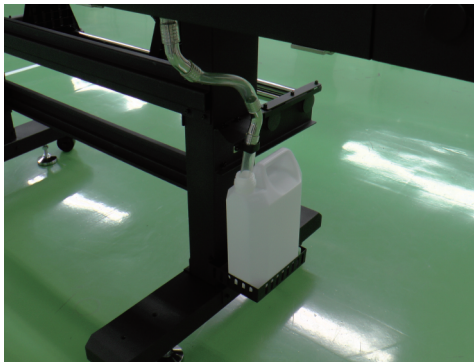
Chapter 3

Setup of the printer

- 4 Insert the end of the waste liquid tube into the waste ink tank (a).



- 5 Place the waste ink tank on the waste ink tank holder.



3.6 Installing the cartridge slot

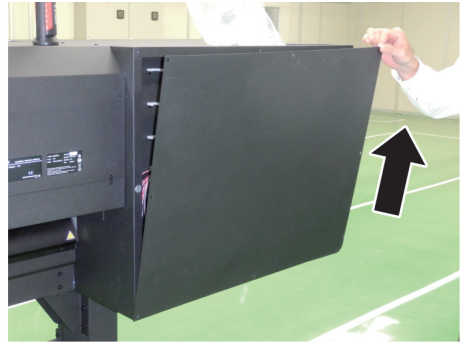
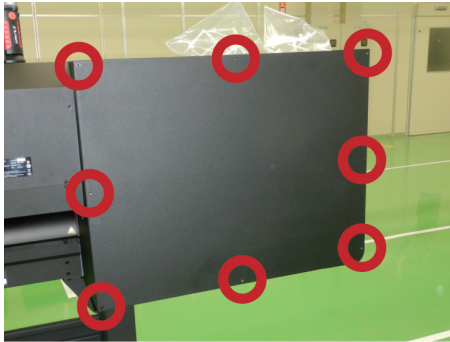
3.6.1 Installing the cartridge slot

- 1 Remove the eight screws and detach the rear cover of the printer.



TIPS

- The rear cover is hooked on the lower side of the printer.



Chapter 3

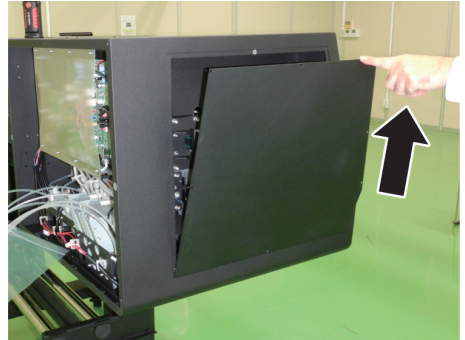
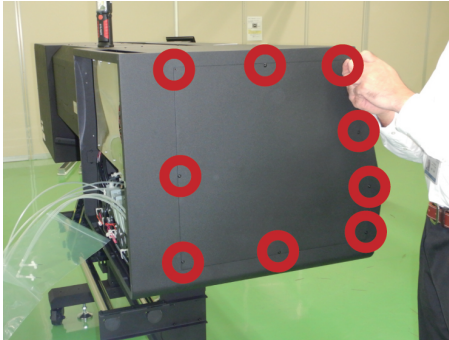
Setup of the printer

- 2 Remove the nine screws and detach the side cover of the printer.

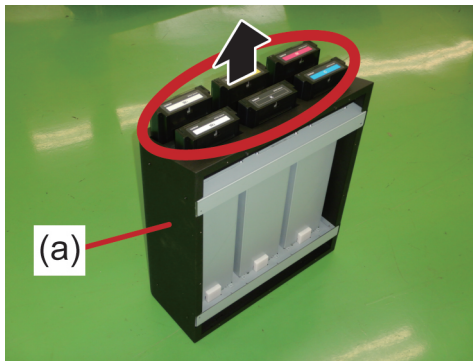


TIPS

- The side cover is hooked on the lower side of the printer.



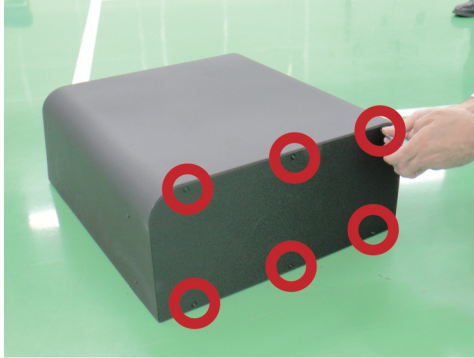
- 3 Remove the six cartridges from cartridge slot (a).



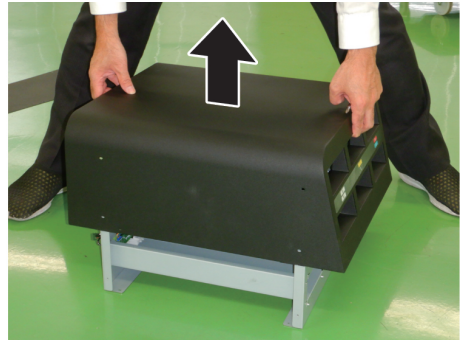
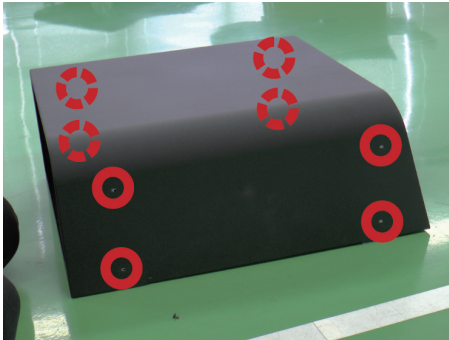
Chapter 3

Setup of the printer

- 4 Remove the six screws and detach the rear cover of the cartridge slot.



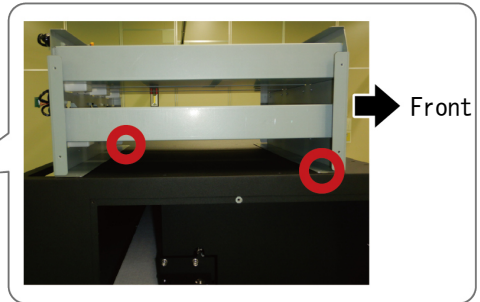
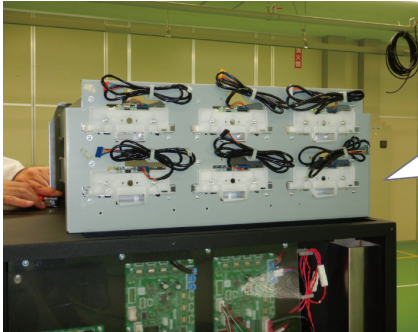
- 5 Remove the eight screws on the left and right sides and detach the cartridge slot cover.



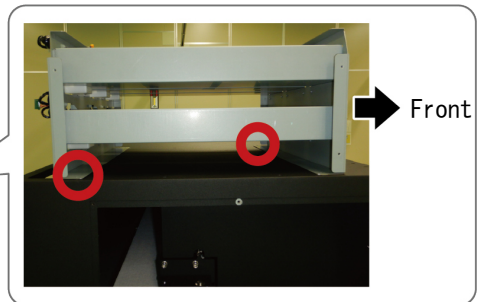
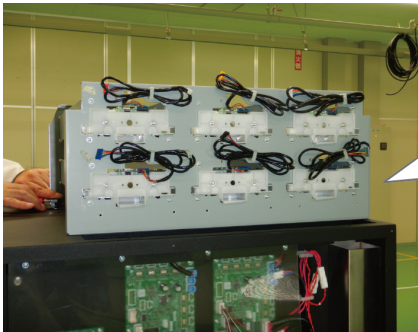
Chapter 3

Setup of the printer

- 6 Place the cartridge slot on the printer and fasten the two locations using two M3x8 screws with integrated washers ⑰.



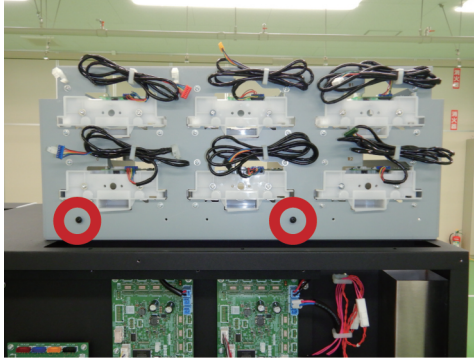
- 7 Fasten the remaining two locations using two M3x8 screws with integrated washers ⑰.



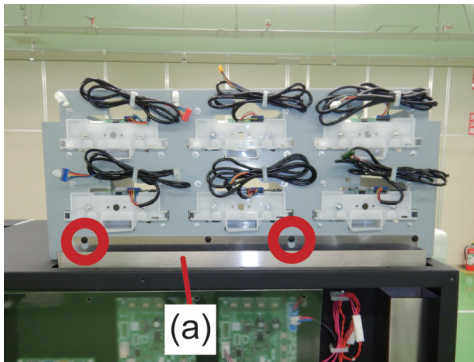
Chapter 3

Setup of the printer

- 8 Temporarily tighten the two M3x8 screws with integrated washer ⑰.



- 9 Hook the ink tray (a) onto the two temporarily tightened screws.



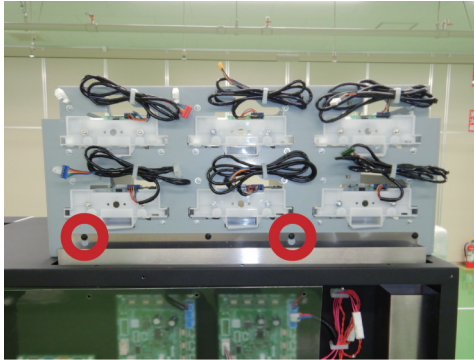
- 10 Firmly tighten the two M3x8 screws with integrated washer ⑰.



Chapter 3

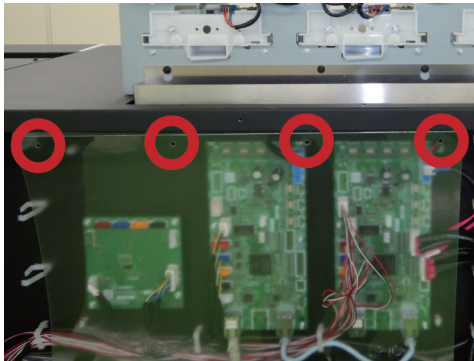
Setup of the printer

- 11 Firmly tighten the two bolts that were temporarily fastened.



3.6.2 Connecting the cables for the cartridge slot

- 1 Remove the four screws from the upper part of the circuit board protection film.



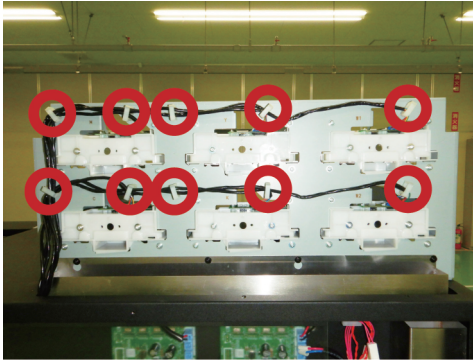
Chapter 3

Setup of the printer

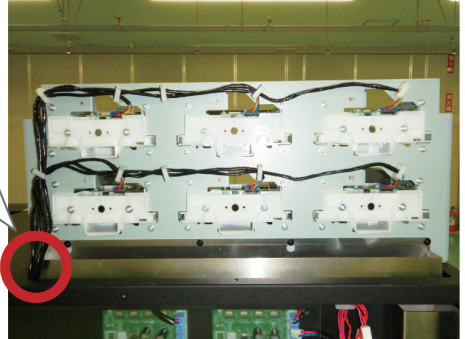
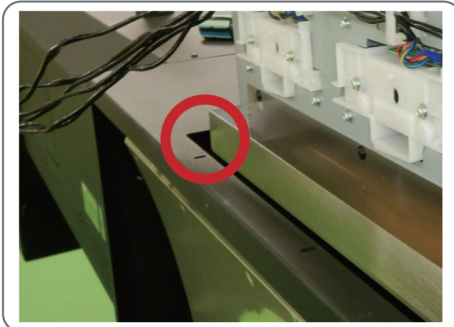
- 2 Remove the six cables from the six clamps.



- 3 Route the six cables and secure them with ten clamps.



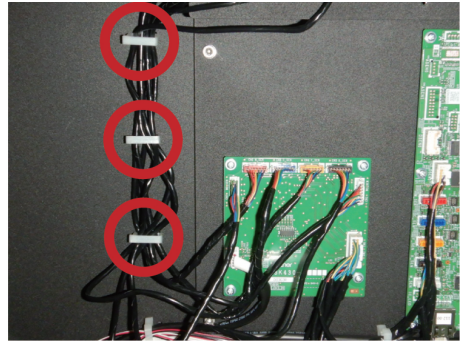
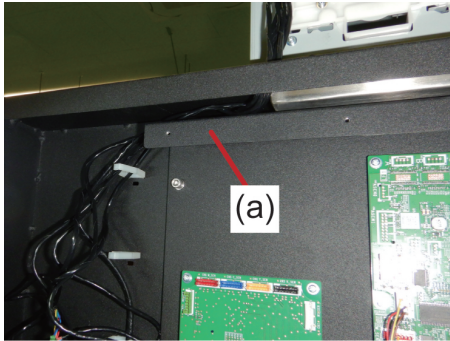
- 4 Pass the six cables through the gap at the top of the printer.



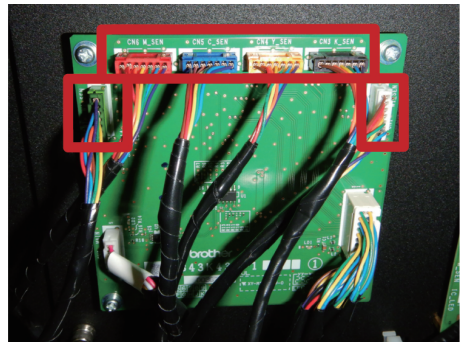
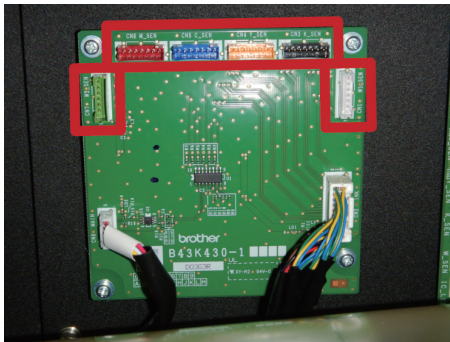
Chapter 3

Setup of the printer

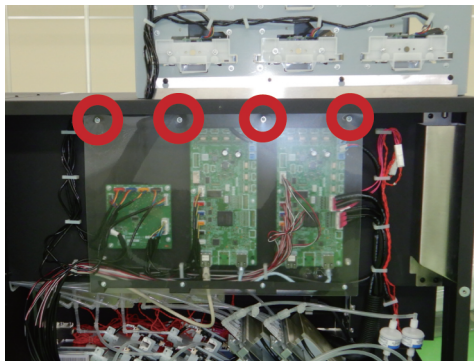
- 5 Route the six cables so they pass over area (a), and secure them with three clamps.



- 6 Insert the connectors of the six cables into the matching-colored connectors on the circuit board.

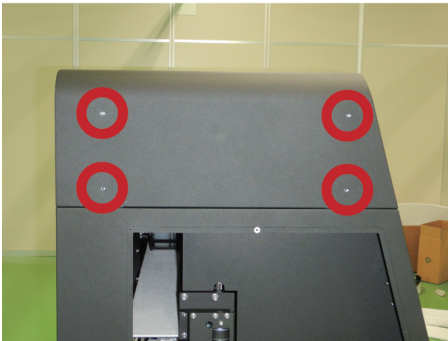


- 7 Fix the circuit board protection film with the four screws removed earlier.



3.6.3 Installing the cartridge-slot cover

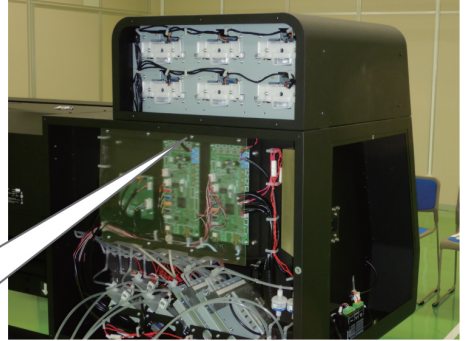
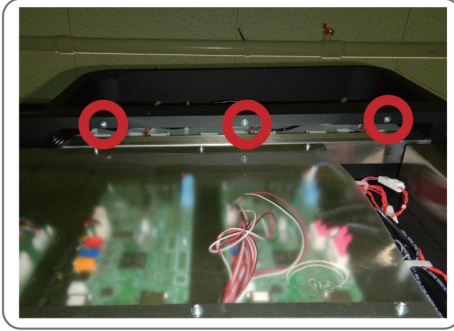
- 1 Place the cartridge-slot cover, and temporarily fasten the left and right screws (eight screws) removed earlier.



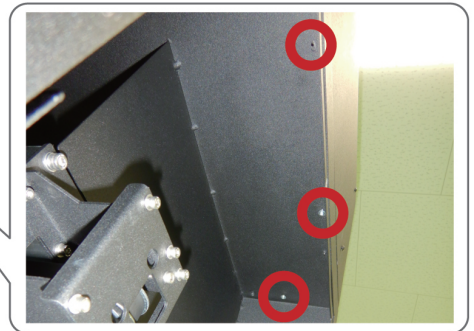
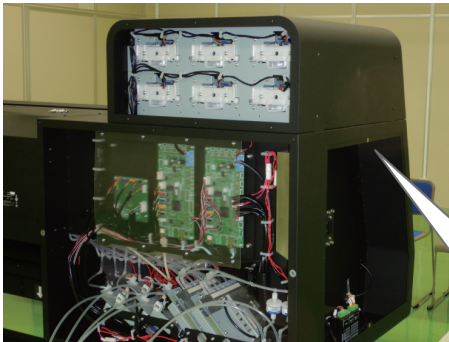
Chapter 3

Setup of the printer

- 2 Fix the cartridge-slot cover from the lower rear side with the three M3 × 8 screws with integrated washers ⑰.



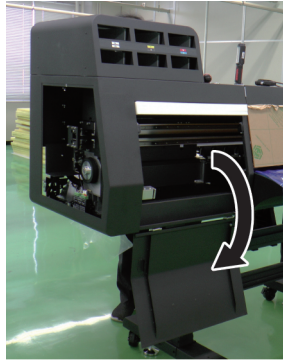
- 3 Fix the cartridge-slot cover from the lower part of the side with the three M3 × 8 screws with integrated washers ⑰.



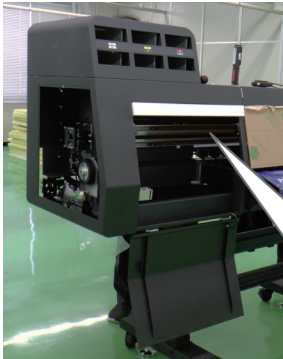
Chapter 3

Setup of the printer

- 4 Open the left cover.



- 5 Fix the cartridge-slot cover from the lower front side with the four M3 × 8 screws with integrated washers (27).



- 6 Fully tighten the eight screws on the left and right sides of the cartridge-slot cover.



3.6.4 Connecting the needle to the cartridge slot

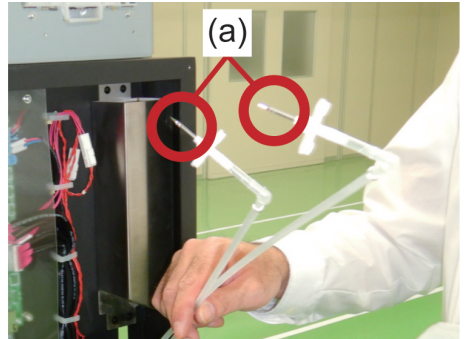
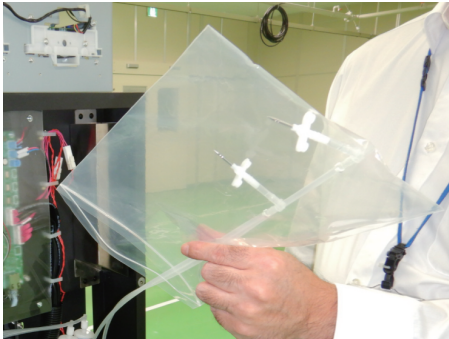
- 1 Remove the plastic bag protecting the needle.

! IMPORTANT

- Do not touch the needle section (a) with your hand. If difficult, wear rubber gloves or similar protection.

TIPS

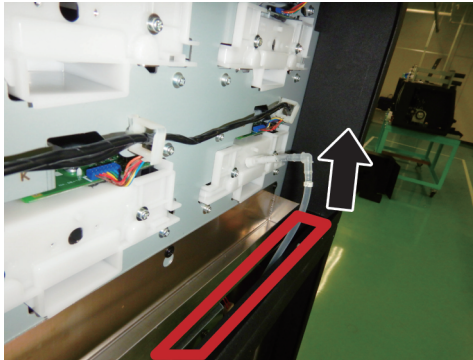
- The plastic bag will be used in [Installing the print head on page 71](#).



Chapter 3

Setup of the printer

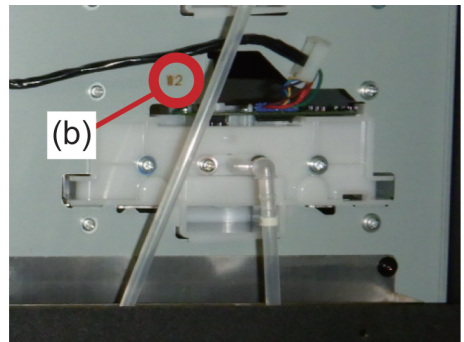
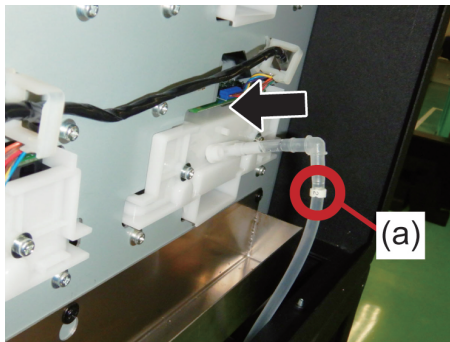
- 2 Pass the needle upward through the gap on the top of the printer.



- 3 Check the marking (a) on the needle and the marking (b) on the cartridge slot, and insert the needle into the corresponding cartridge slot.

TIPS

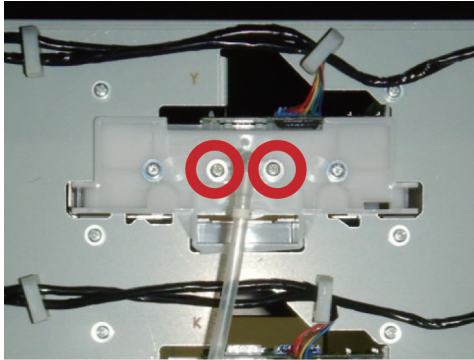
- The W1 and W2 needles are marked “1” and “2.”



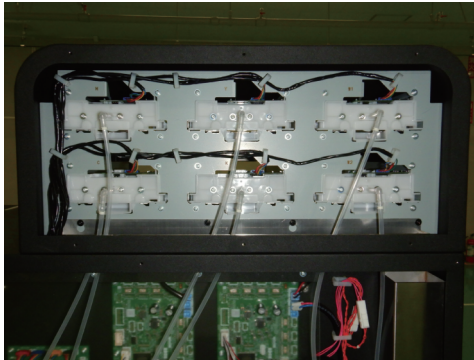
Chapter 3

Setup of the printer

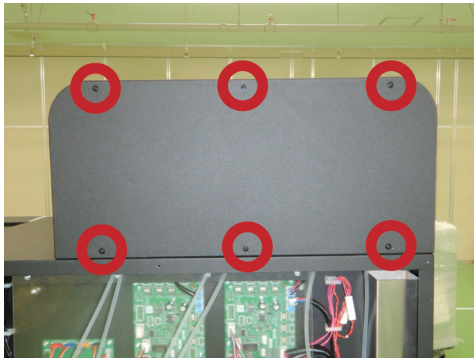
- 4 Fix the needle with the two M3 × 10 screws with integrated washers ⑳.



- 5 Attach all six needles in the same manner.



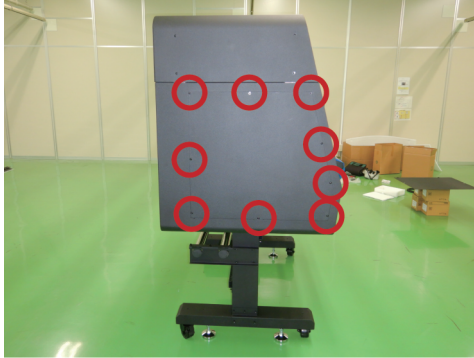
- 6 Install the cartridge-slot rear cover using the six screws removed earlier.



Chapter 3

Setup of the printer

- 7 Install the printer side cover using the nine screws removed earlier.

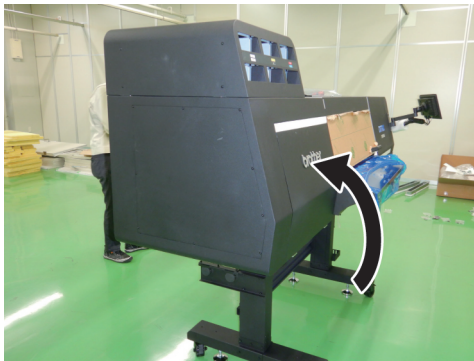


- 8 Close the left cover.



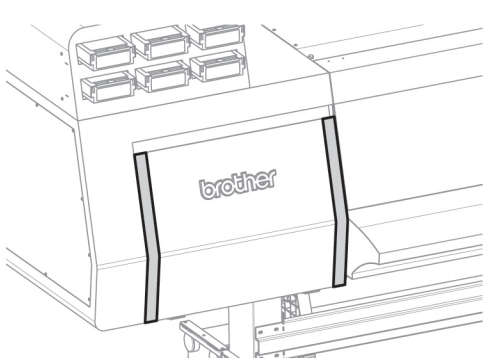
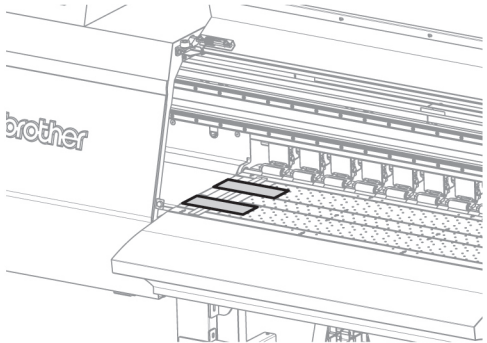
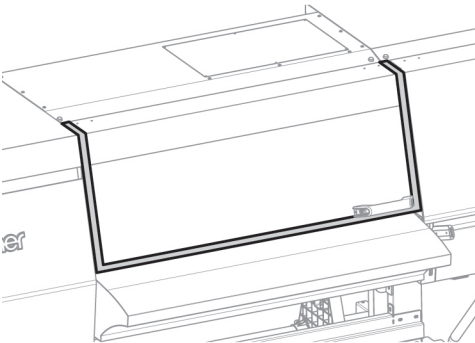
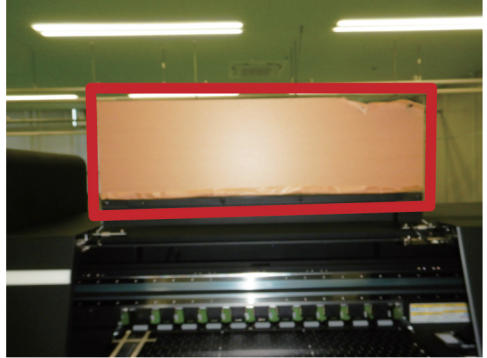
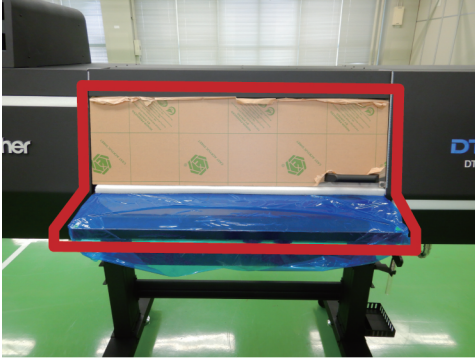
TIPS

- The printer rear cover remains open because it will be opened in [Installing the ink on page 129](#).



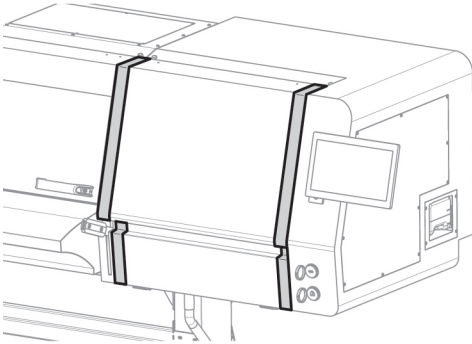
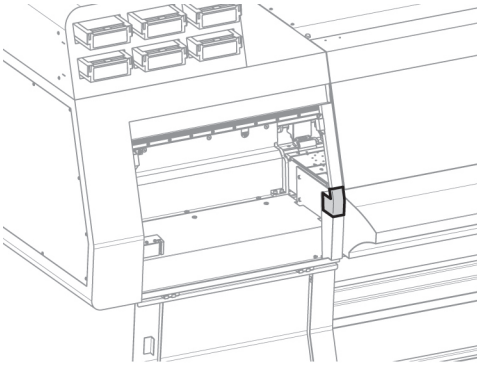
3.7 Removing the protection materials

Remove all tapes, sheets, and cushioning materials.



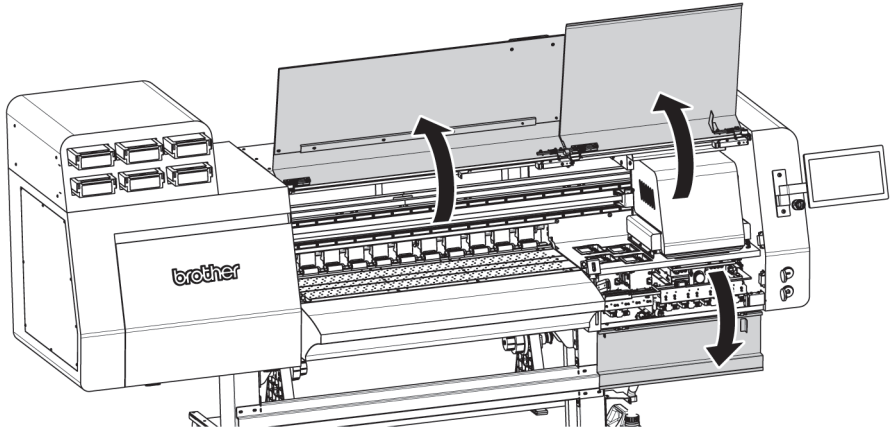
Chapter 3

Setup of the printer



3.8 Installing the print head

- 1 Open the front cover, the upper right cover, and the lower right cover



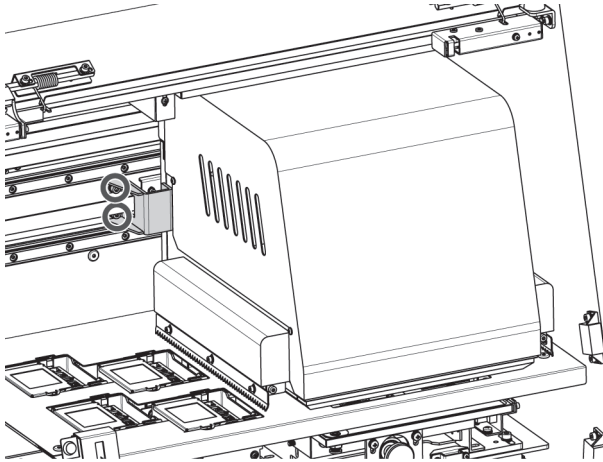
Chapter 3

Setup of the printer

- 2 Remove the two hexagon socket head bolts and remove the left carriage fixture.

! Note

- Store the two hexagon socket head bolts and the left carriage fixture in the plastic bag removed in [Connecting the needle to the cartridge slot on page 65](#).



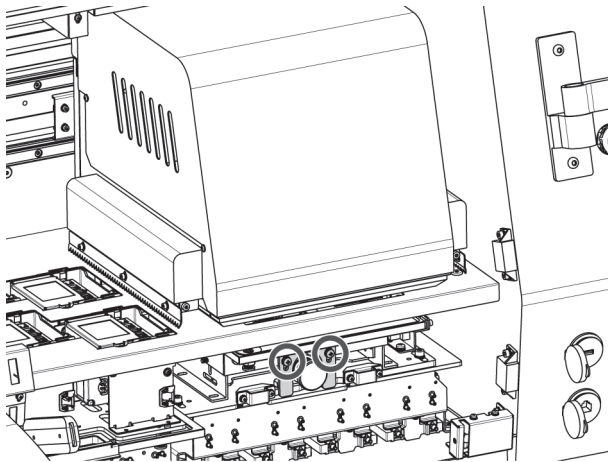
Chapter 3

Setup of the printer

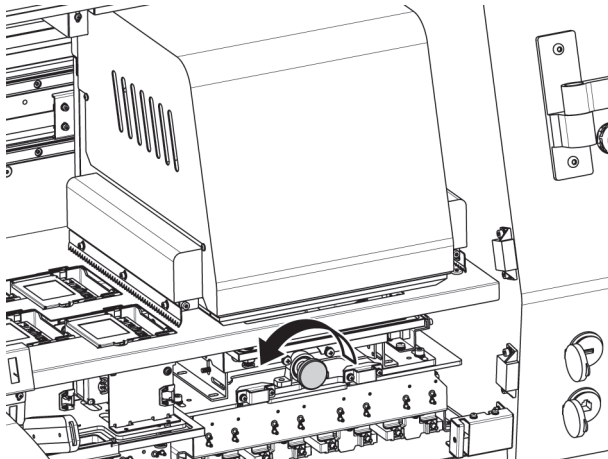
- 3 Remove the two screws and remove the capping lift stopper.

! Note

- Store the two screws and the lift stopper in the same plastic bag as the left carriage fixture.



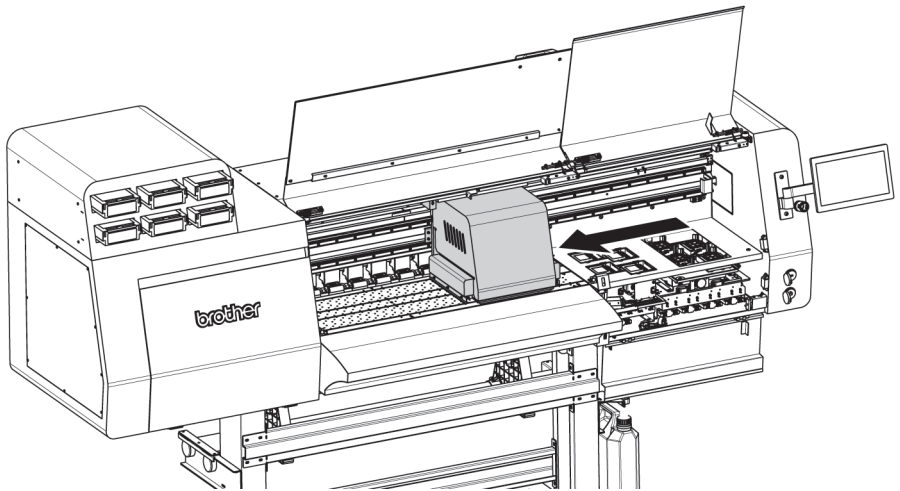
- 4 Turn the manual capping lift knob fully to the left to lower the caps.



Chapter 3

Setup of the printer

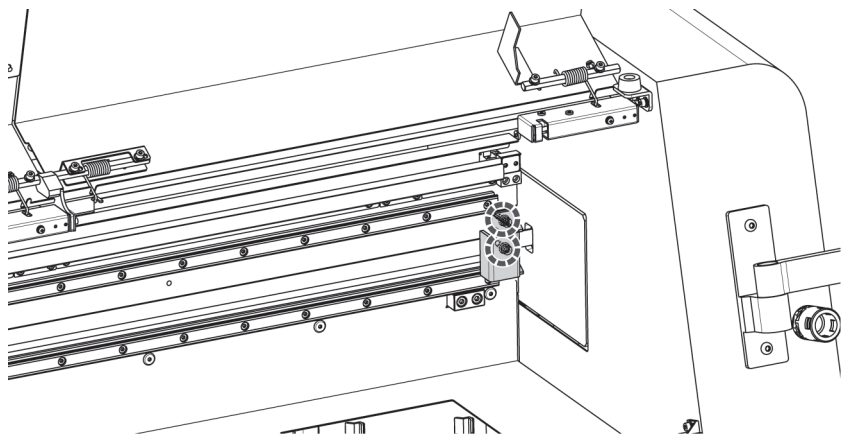
- 5 Manually push the carriage and move it underneath the middle cover.



- 6 Remove the two hexagon socket head bolts and remove the right carriage fixture.

! Note

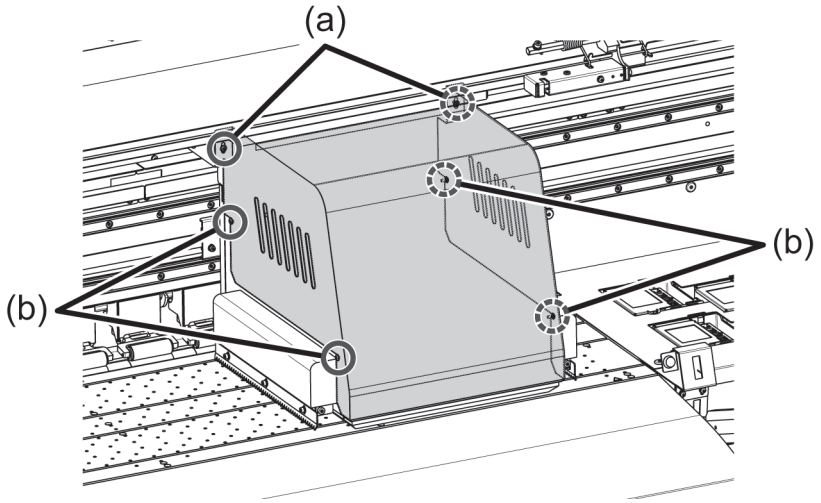
- Store the two hexagon socket head bolts and the right carriage fixture in the same plastic bag as the left carriage fixture.



Chapter 3

Setup of the printer

- 7 Remove the two screws (a), loosen the four screws (b), and remove the carriage cover.



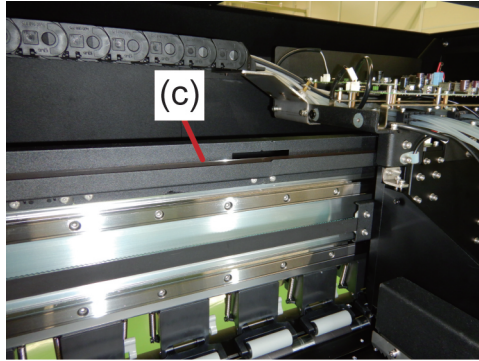
Chapter 3

Setup of the printer

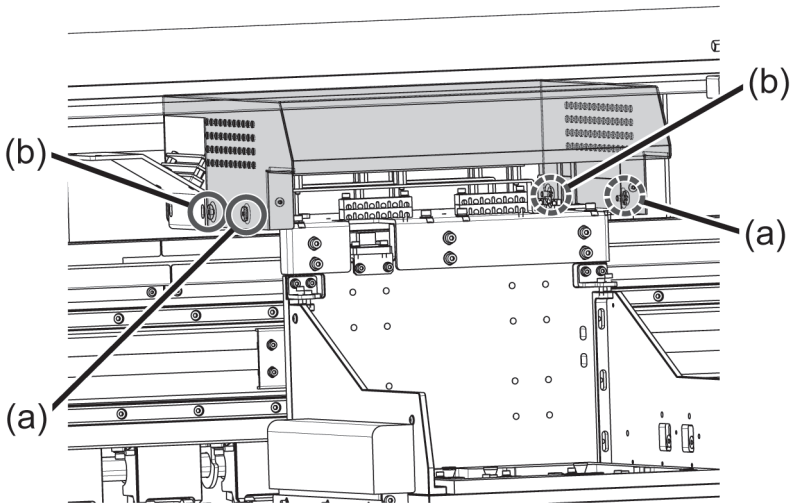
- 8 Remove the two front retaining screws (a) of the circuit board cover, and loosen the two rear retaining screws (b).

! IMPORTANT

- Do not bend or contaminate the film (encoder) (c), as this may cause mal - function.



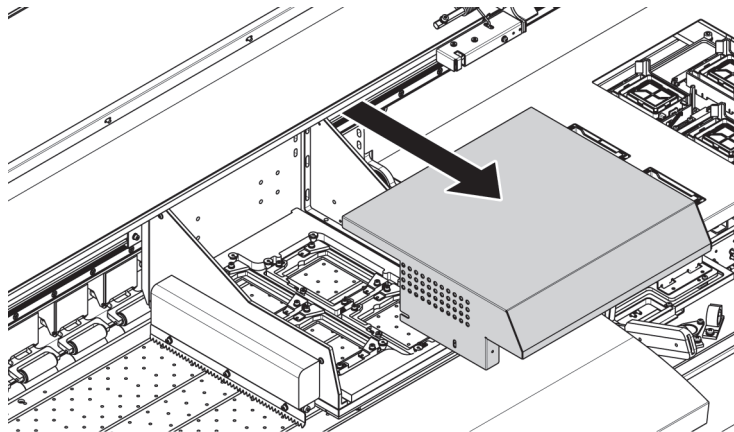
- Be careful not to drop the screws.



Chapter 3

Setup of the printer

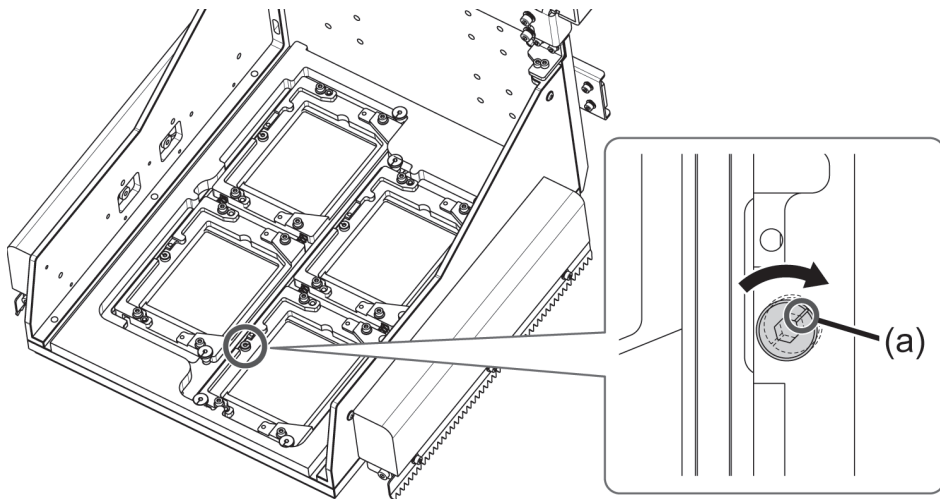
- 9 Pull the circuit board cover forward.



- 10 Turn the eccentric screw so it points to the lower left.

TIPS

- The mark (a) will point to the upper right.



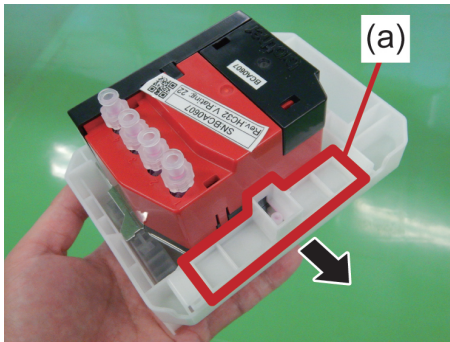
Chapter 3

Setup of the printer

- 11 Slide section (a) of the print head case to remove it, then lift the right side of the print head to remove it from the case.

! IMPORTANT

- Make sure the bottom of the print head (nozzle surface) does not come into contact with any other parts. If it does, it may cause a malfunction.



Chapter 3

Setup of the printer

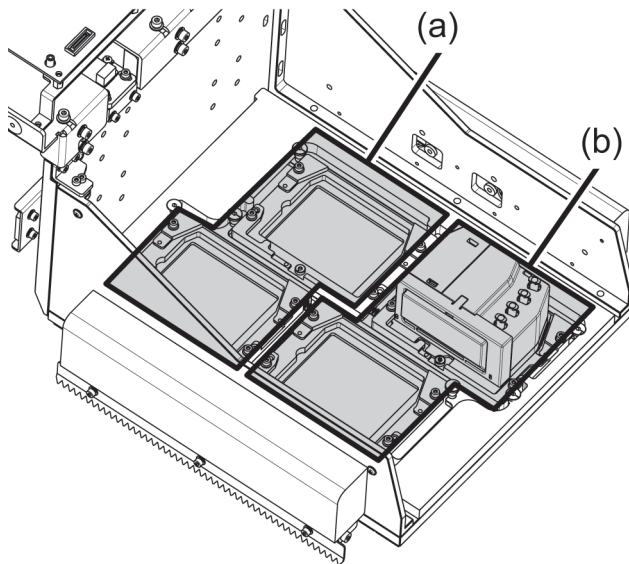
- 12 Install the print head.

! Note

- Install the color head (with the red cover) in the rear position (a), and the white head (with the white cover) in the front position (b).

! IMPORTANT

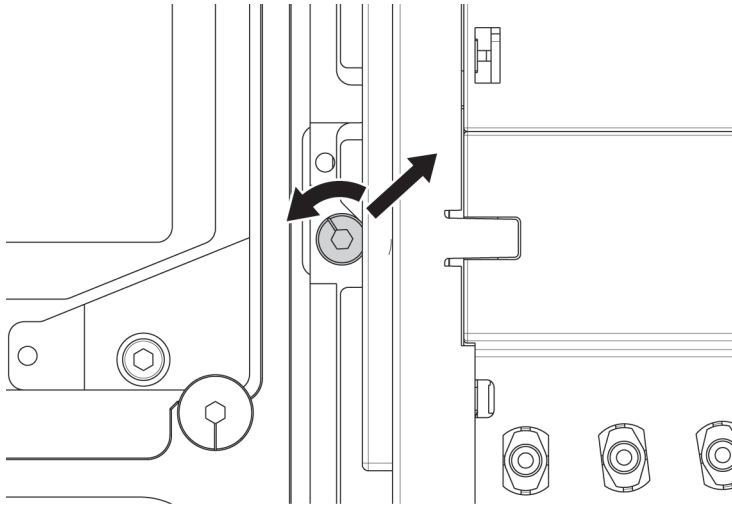
- Make sure the bottom of the print head (nozzle surface) does not come into contact with any other parts.
If it does, it may cause a malfunction.



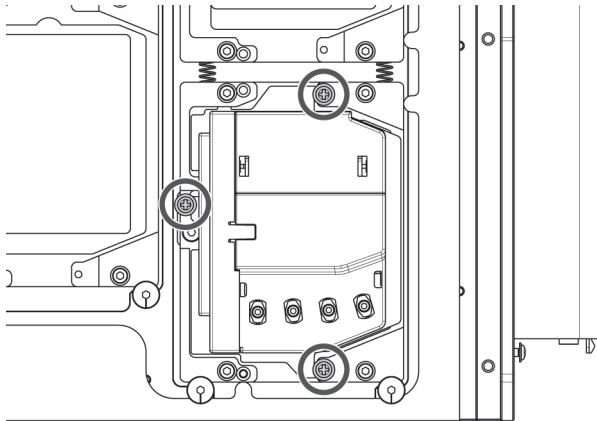
Chapter 3

Setup of the printer

- 13 Turn the eccentric screw to press the print head upward to the upper right.



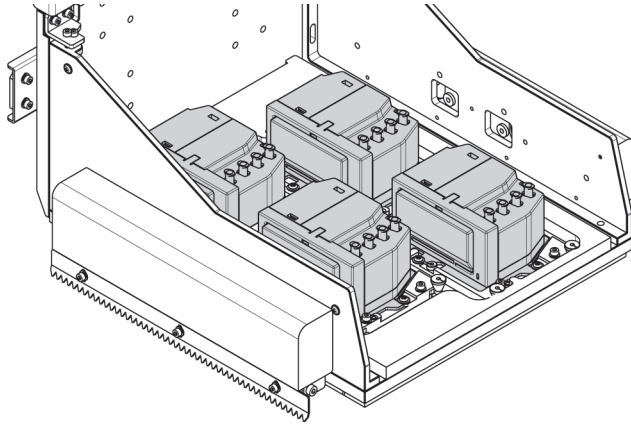
- 14 Fasten the print head using three M3×6 cup S-tight screws (silver) ①.



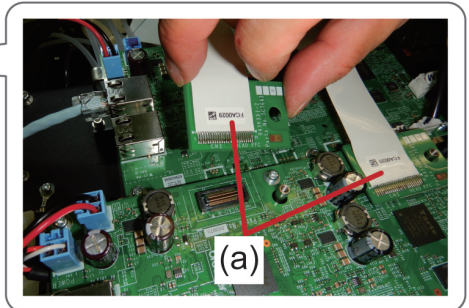
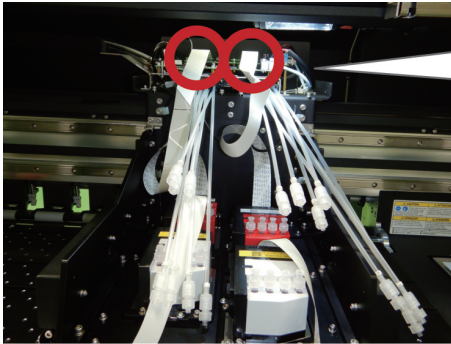
Chapter 3

Setup of the printer

- 15 Install the remaining three print heads in the same manner as in Steps 10–14.



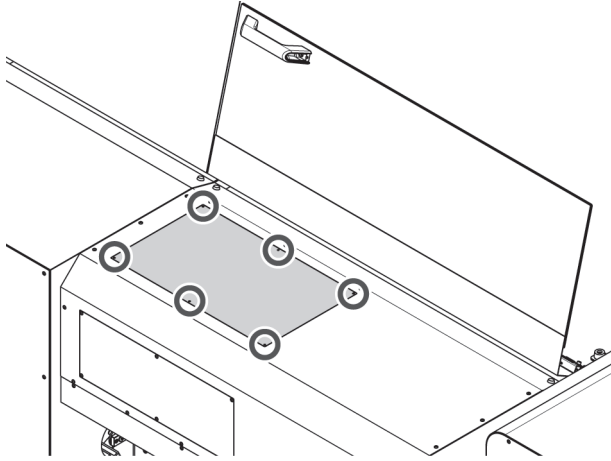
- 16 Place the two FFCs (a) of the color head onto the circuit board at the top of the carriage.



Chapter 3

Setup of the printer

- 17 Move to the rear of the printer, remove the six screws, and remove the middle cover.



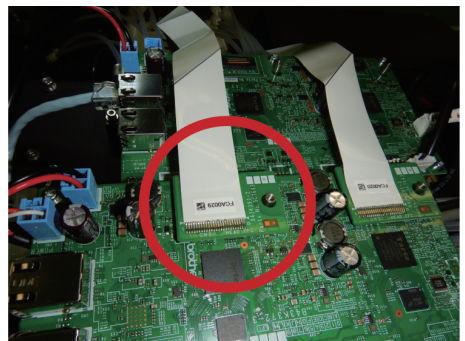
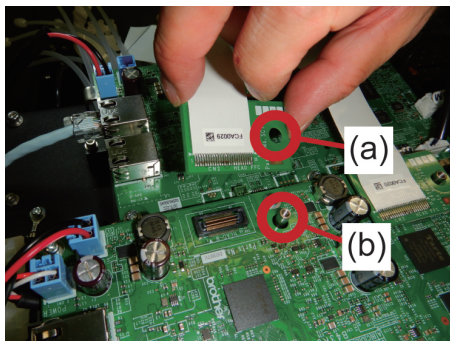
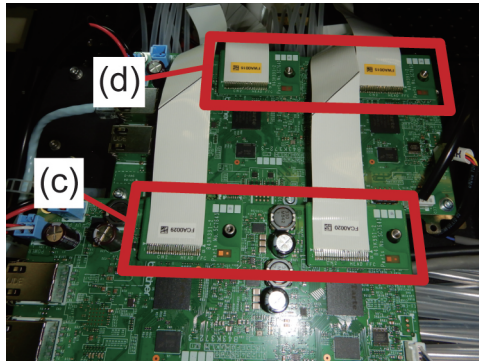
Chapter 3

Setup of the printer

- 18 Look through the hole in the middle cover, align hole (a) of the FFC with positioning pin (b) on the circuit board, and install it.

TIPS

- The FFC installation positions differ between the color head and the white head.
 - The color head is on the rear side of the printer (c)
 - The white head is on the front side of the printer (d)

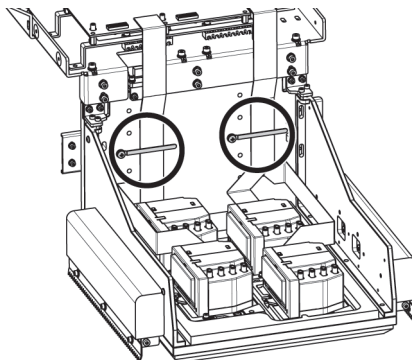


- 19 Install the second FFC of the color head in the same manner.

Chapter 3

Setup of the printer

- 20 Move to the front of the printer and secure the two FFCs of the color head using two clamps.



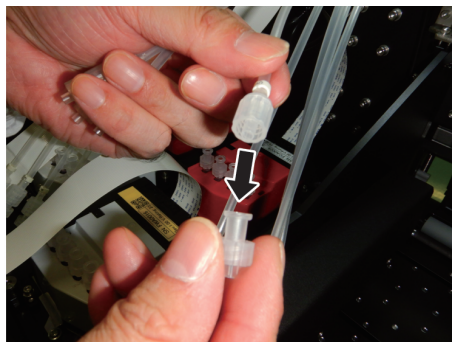
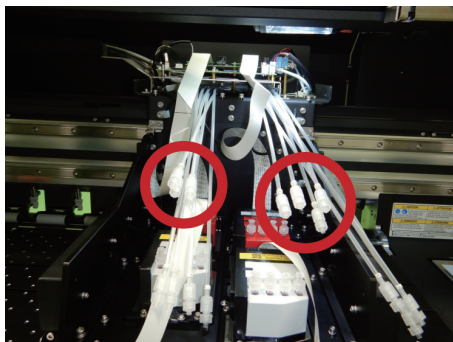
- 21 Remove the eight caps from the color-side tubes.

TIPS

- The short tubes are for the color side, and the long tubes are for the white side.

Note

- Store the removed caps in the same plastic bag removed in [Connecting the needle to the cartridge slot on page 65](#).



Chapter 3

Setup of the printer

- 22 Remove the eight caps attached to the color heads.

! Note

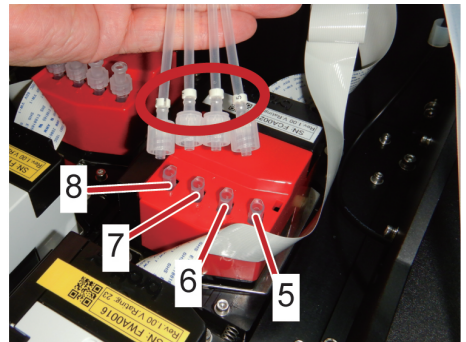
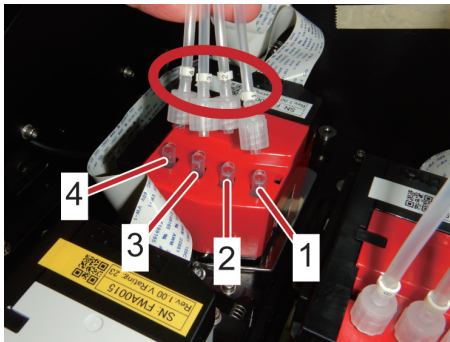
- Store the removed caps in the same plastic bag as the tube caps.



- 23 Connect the eight tubes, matching each tube's number with the number indicated on the print heads.

✎ TIPS

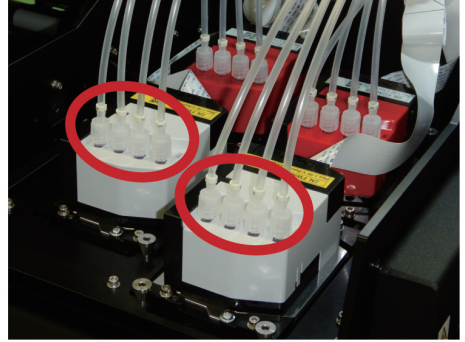
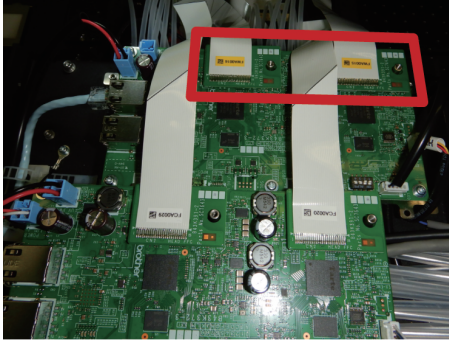
- Connect numbers 1–4 on the left side and numbers 5–8 on the right side.



Chapter 3

Setup of the printer

- 24 Install the FFCs and tubes for the two white heads in the same manner as in Steps 16–23.



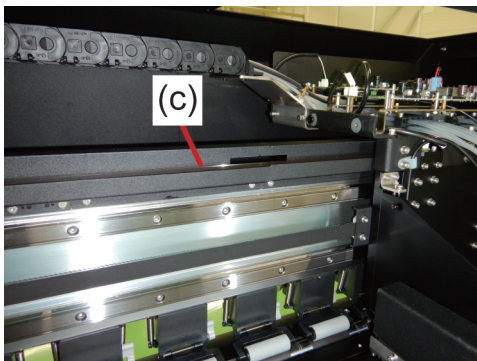
Chapter 3

Setup of the printer

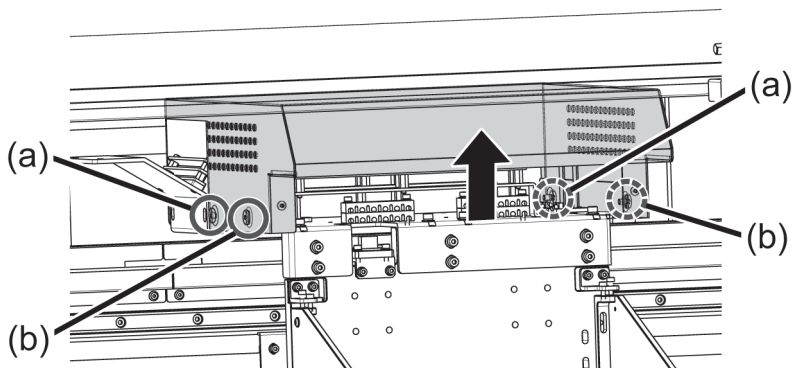
- 25 Insert the circuit board cover into the two rear retaining screws (a), lift the cover, and fasten the two front retaining screws (b).

! IMPORTANT

- Do not bend or contaminate the film (encoder) (c), as this may cause malfunction.



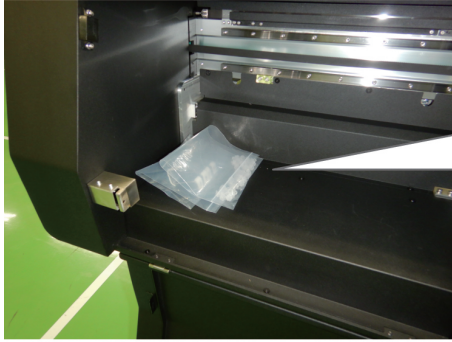
- Be careful not to drop the screws.



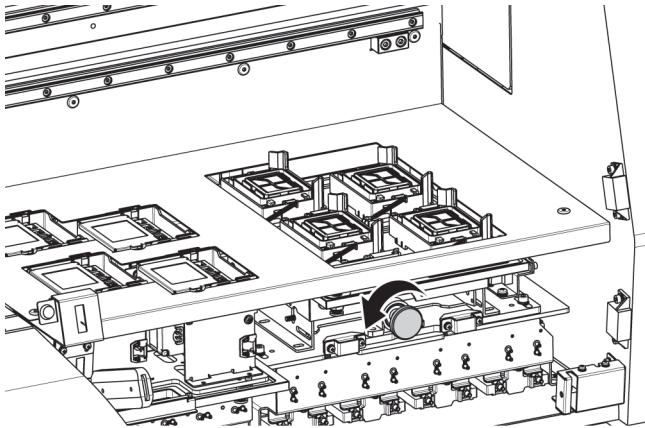
Chapter 3

Setup of the printer

- 26 Store the plastic bag containing the carriage fixtures and lift stoppers, along with the plastic bag containing the caps, inside the left cover.



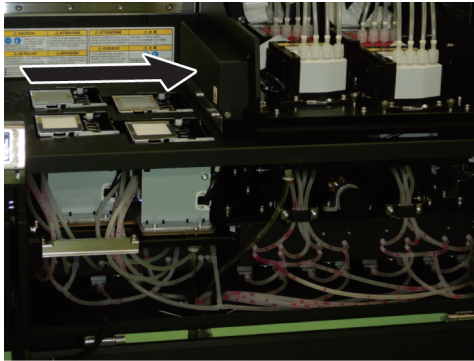
- 27 Turn the manual capping lift knob fully to the left to lower the caps.



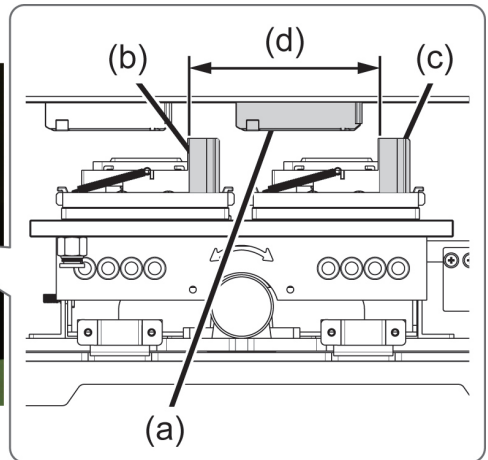
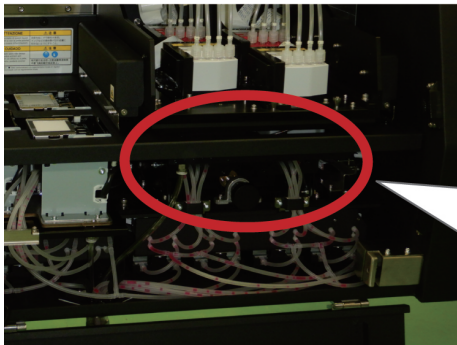
Chapter 3

Setup of the printer

28 Push the carriage to the right by hand.



29 Look up from below the maintenance area and adjust so that head 2 (a) is positioned between projection (b) of cap 1 and projection (c) of cap 2 at point (d).



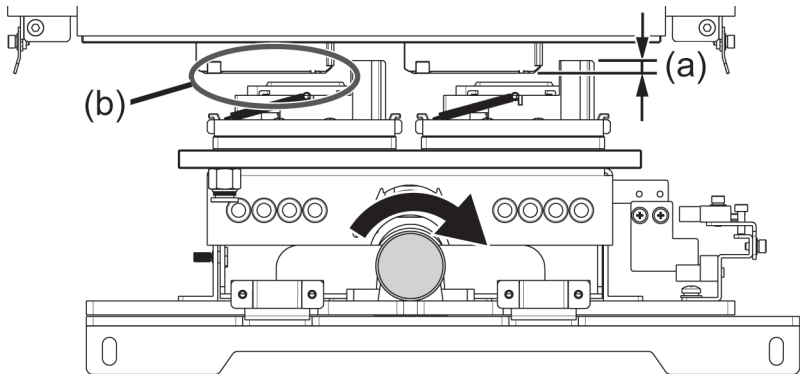
Chapter 3

Setup of the printer

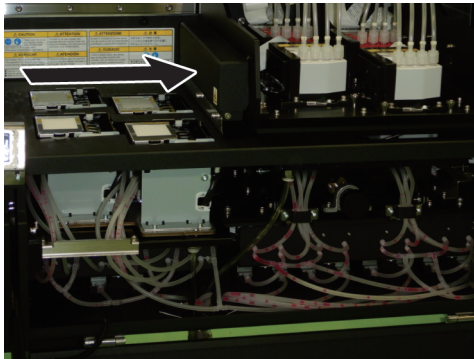
- 30 Turn the manual capping lift knob to the right to overlap the cap projection with the head (a).

! Note

- At this stage, ensure a gap (b) so the cap does not yet contact the head.



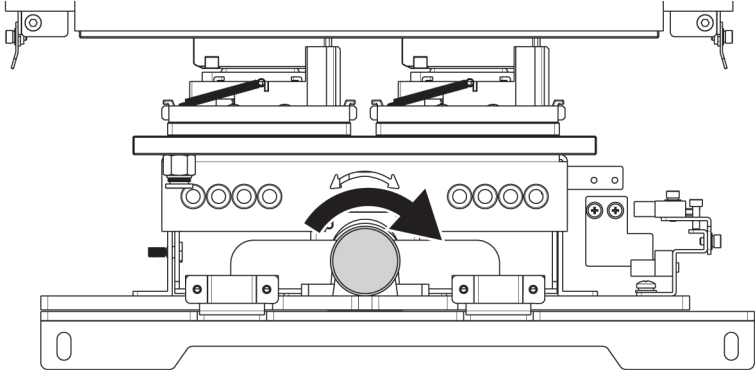
- 31 Push the carriage all the way to the right by hand.



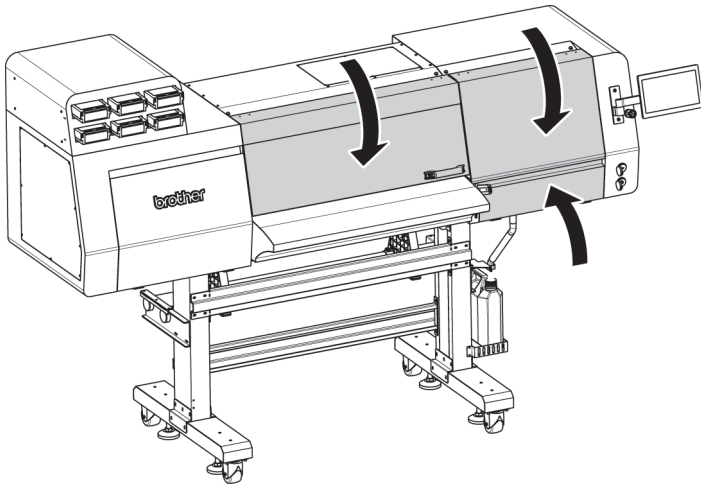
Chapter 3

Setup of the printer

- 32 Turn the manual capping lift knob to the right until slight resistance is felt, making the cap contact the head.



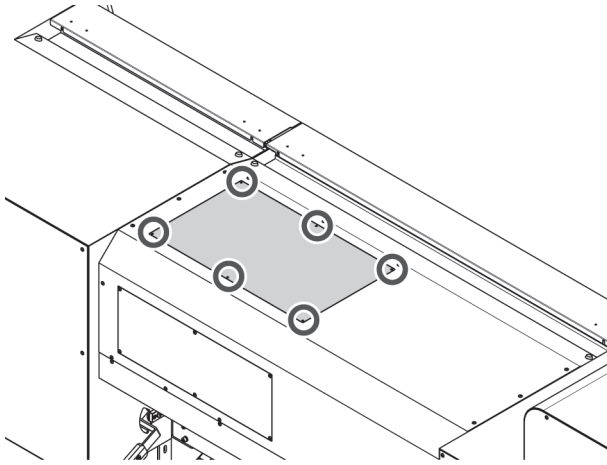
- 33 Close the front cover, upper right cover, and lower right cover.



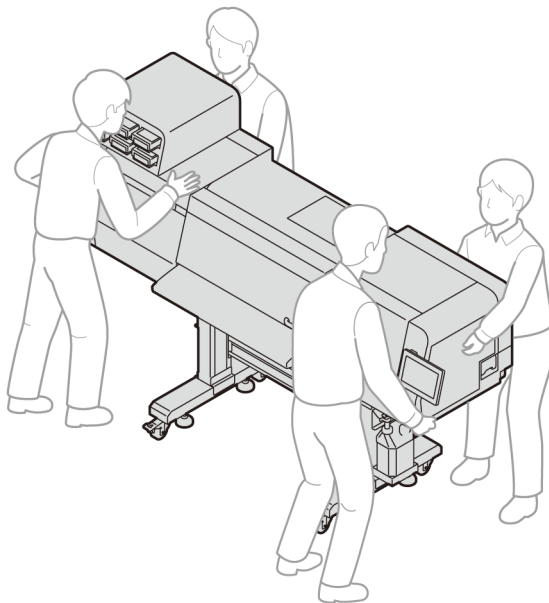
Chapter 3

Setup of the printer

- 34 Attach the middle cover using the six screws removed earlier.



3.9 Transporting the printer

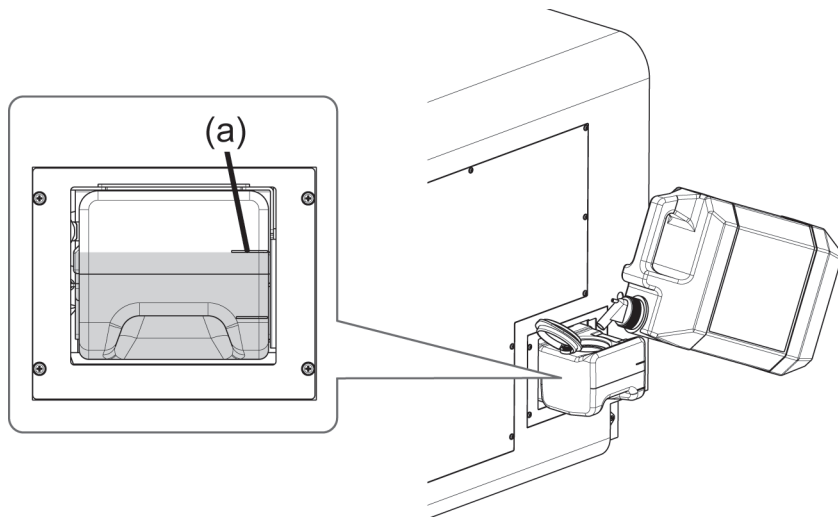


CAUTION

- The printer has a dimension of 90.9 in. (width) × 33.5 in. (depth) × 63.4 in. (height) (231 cm (width) × 85 cm (depth) × 161 cm (height)). The printer weighs 268 kg (591 lb). During transportation and installation, ensure that at least four people are involved in the work, following the correct method for holding the printer. Failure to do so may cause the printer to topple over and result in injury.
- During transportation, be careful not to get your feet caught in the frame, casters, or adjusters under the printer. Check the path ahead to avoid being caught between obstacles and the printer. Failure to do so may cause injury.

3.10 Filling the cleaning solution

3.10.1 Filling the cleaning solution



Pull out the cleaning solution tank from the side of the printer, open the lid, and fill it with cleaning solution up to the “FULL” line (a).

When filling is completed, close the lid and slowly push the cleaning liquid tank back inside the printer for storage.



IMPORTANT

- When filling the cleaning solution, make sure not to exceed the “FULL” line (a).

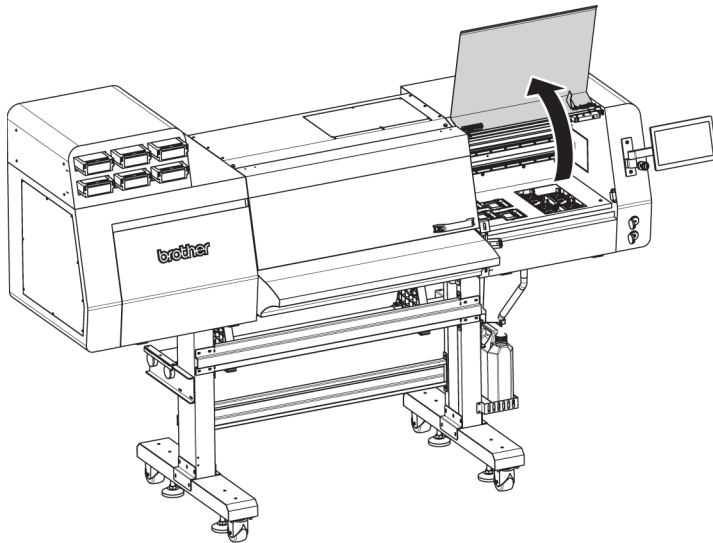


TIPS

- After filling the cleaning solution, make sure to push the cleaning liquid tank in to the end. The cleaning liquid tank that is not properly inserted causes an error and disables printing.

3.10.2 Soaking the flushing foam with cleaning solution

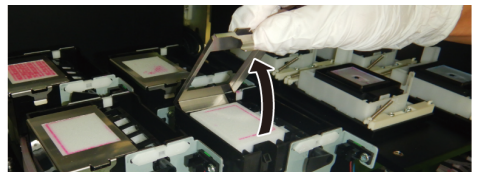
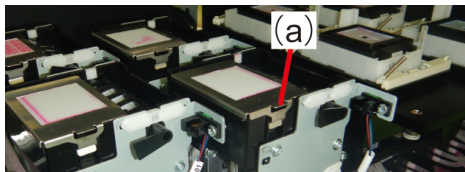
- 1 Open the upper right cover.



- 2 Hook your finger on (a), lift it upward, and remove the frame.

If the flushing foam is attached to the frame, remove it with your finger and remove only the frame.

The illustration below shows an example for White Head 2.

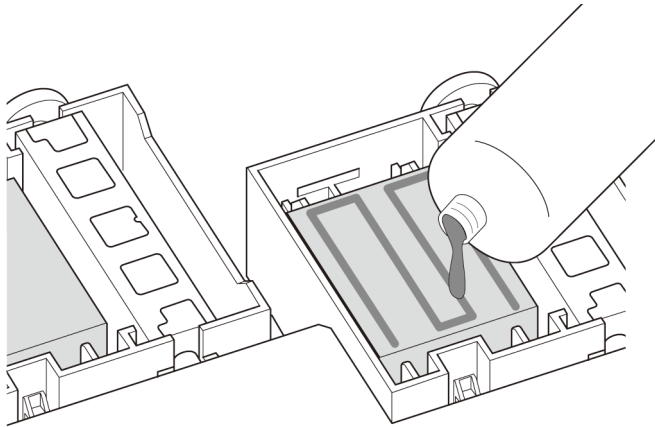


Chapter 3

Setup of the printer

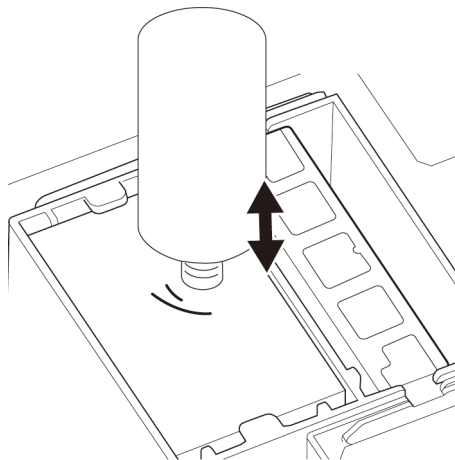
3 Evenly soak the flushing foam with cleaning solution following the steps below.

- (1) Remove the nozzle from the mini cleaning solution bottle and pour all of the cleaning solution onto the flushing foam.



- (2) Press the tip of the mini cleaning solution bottle against the flushing foam to allow the cleaning solution to soak through to the bottom.

Keep pressing the bottle until the cleaning solution spreads throughout the entire flushing foam.



Chapter 3

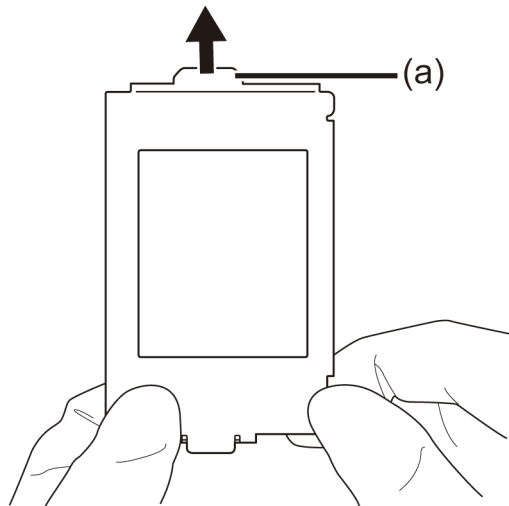
Setup of the printer

4 Attach the frame.

! IMPORTANT

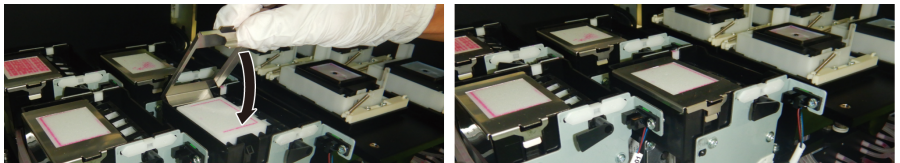
- Install the white ink section and color ink section frames in their original locations.

(1) Insert claw (a) into the back.



(2) Lower the front of the frame.

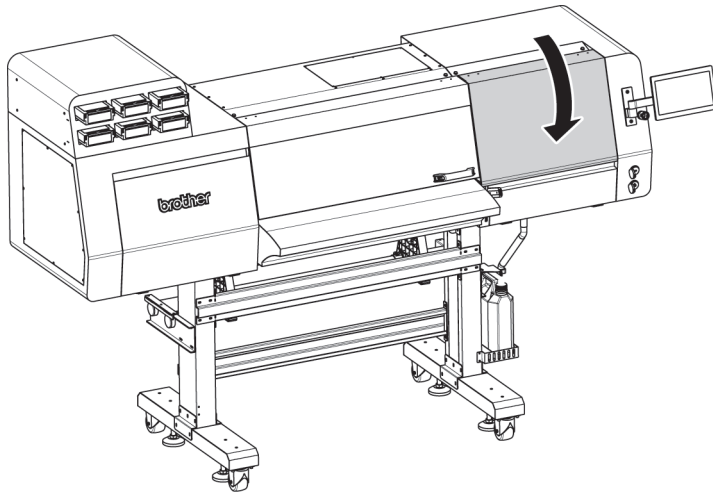
The illustration below shows an example for White Head 2.



Chapter 3

Setup of the printer

- 5 After soaking all flushing foam with cleaning solution, close the upper right cover.



3.11 Ink cartridge setup and installation

- 1 Since there is a component within the white ink which becomes deposited, please be sure to shake the ink pouch before it is taken out of the box.
Hold each edge of the carton containing the pouch tightly and shake it 100 times from side to side.
Next, turn it upside down and shake it 100 times.

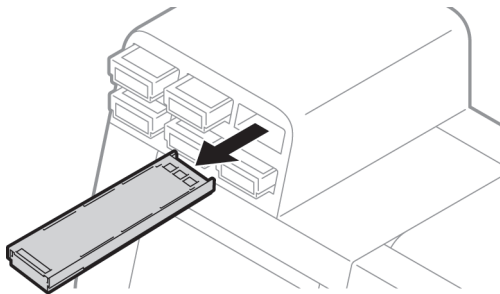
! IMPORTANT

- Since the ingredients tend to settle, stir thoroughly.

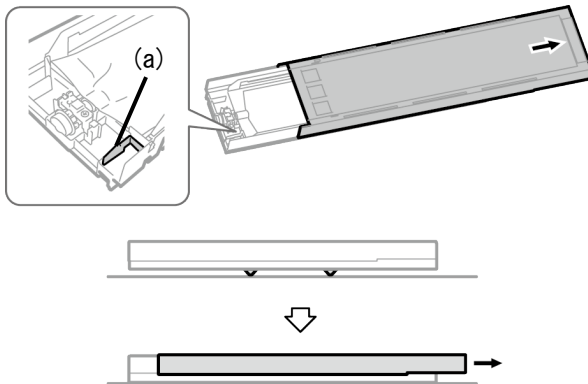
Chapter 3

Setup of the printer

2



3 Open the lid of the ink cartridge.



! IMPORTANT

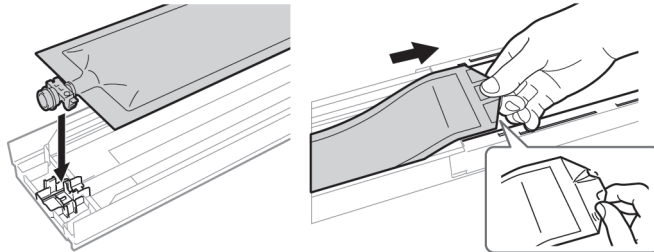
- When opening the lid, be sure not to touch portion (a). Otherwise, it could be damaged.
- Place the entire cartridge on a flat surface, push the latches on the bottom surface of the cartridge downward and open the lid.

Chapter 3

Setup of the printer

- 4 Push the tip of the ink pouch in until it clicks.

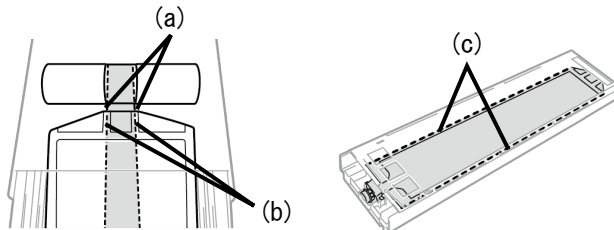
Straighten the ink pouch so that it can fit the grooves of the ink cartridge lid and mount it while pulling it by hand.



TIPS

- If the edge of the ink pouch is bent or undulating significantly, make it straight with your hand.

- 5 Check that the two illustrated areas (b) and (c) are straight.



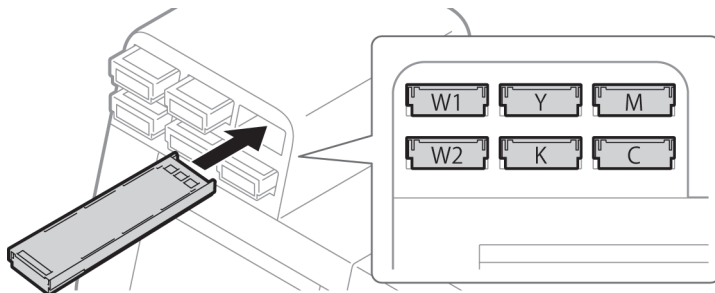
CAUTION

- Be careful not to touch area (a) illustrated above. Otherwise you may be injured.

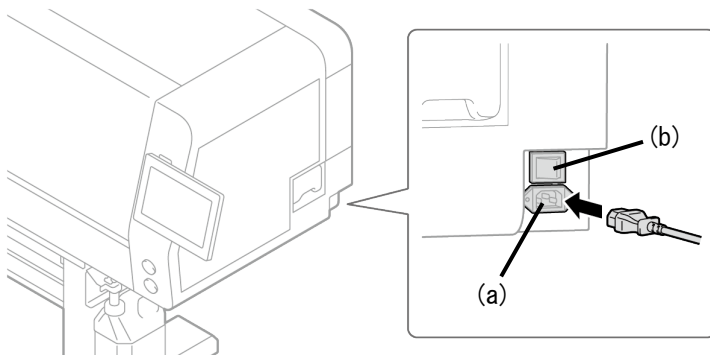
Chapter 3

Setup of the printer

- 6 Stick the expiration date sticker supplied with the ink pouch on the front side of the ink cartridge, install the cartridge in the correct color position in the machine and make sure that it is inserted into the machine until complete contact.



3.12 Turning on the power



Close all covers of the machine and insert the AC power cord into (a) and the outlet. Press the power switch (b) to turn the printer ON.



3.13 Setting the date and time

Use the following procedure to set the current date and time. By setting this, when you perform a printing test, the printing test date and time will be printed alongside the printed

Chapter 3



Setup of the printer

test pattern. Notifications prompting you to perform maintenance will also be displayed at appropriate times.

- 1 Press .
- 2 Press [Main Functions] > [Date and Time].
- 3 Press [Date Format] and select the order of year, month, and day.
- 4 Press [Apply] to confirm.
- 5 Press [Set Date] and set the year, month, and day.
- 6 Press [Apply] to confirm.
- 7 Press [Set Time] and set the time.
- 8 Press [Apply] to confirm.
- 9 Press  to return to the previous screen.

3.14 Configuring the language

Set the language displayed on the operation panel screen.

- 1 Press .
- 2 Press [Panel Settings]>[Language].
- 3 Select the display language.
- 4 Press [Apply] to confirm.
- 5 Press  to return to the previous screen.

Chapter 4

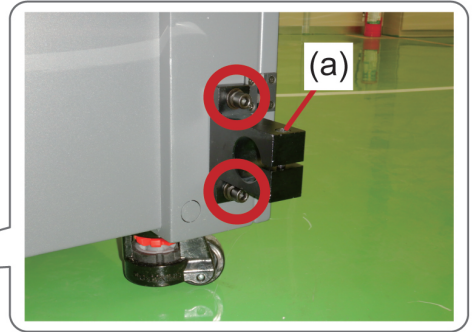
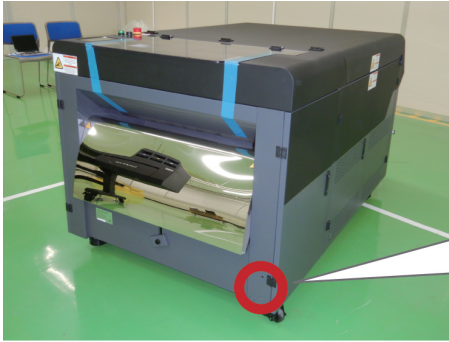
Connecting the powder shaker

If you are not installing a powder shaker, proceed to [Connection to a PC on page 115](#).
When installing a Brother powder shaker, connect it to the printer using the steps below.

- 1 Temporarily tighten the single clamp for bars to the shaker with the two M10 × 30 hexagon socket head bolts with integrated washers ⑳.

! Note

- Install the clamp for bars with screw (a) facing upward.



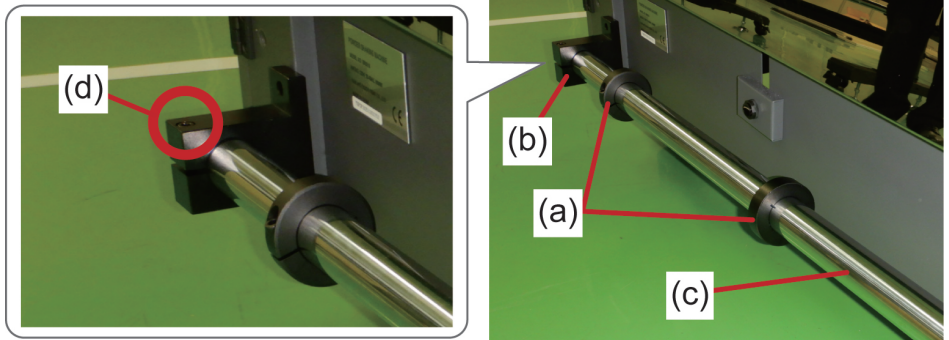
Chapter 4

Connecting the powder shaker

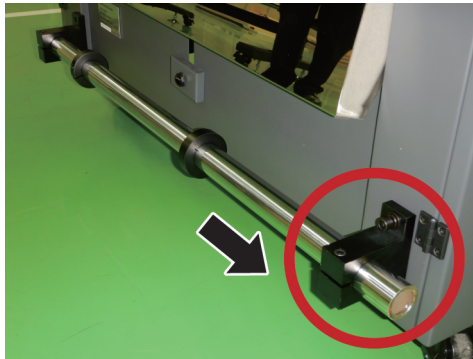
- 2 Pass two collars for bar fastening (a) and one clamp for bars (b) through the shaker-side arm connection bar L956 (c).

! Note

- Pass the clamp for bars with screw (d) facing upward.



- 3 Pass the shaker-side arm connection bar L956 through the clamp for bars attached to the shaker.



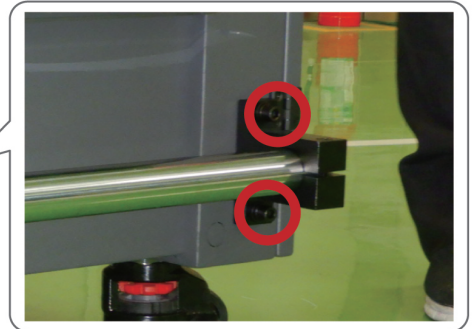
Chapter 4

Connecting the powder shaker

- 4 Fully tighten the clamp for bars to the shaker with the two M10 × 30 hexagon socket head bolts with integrated washers ⑳.



- 5 Fully tighten the two bolts that were temporarily tightened.



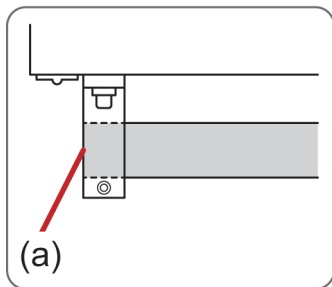
Chapter 4

Connecting the powder shaker

- Align one end (a) of the shaker-side arm connection bar L956 with the clamp for bars, and tighten the screw.

TIPS

- The opposite end will protrude from the clamp for bars.



- Tighten the single screw of the clamp for bars on the opposite side.



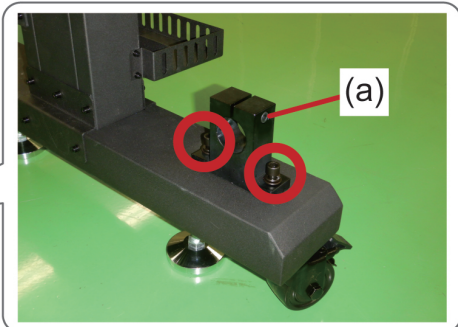
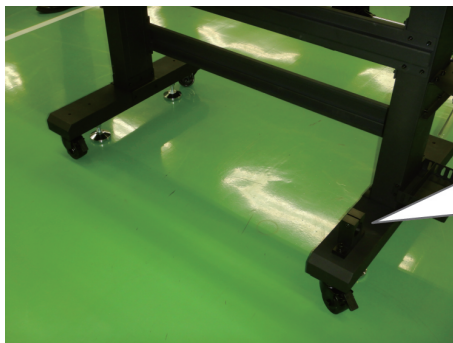
Chapter 4

Connecting the powder shaker

- 8 Temporarily tighten the single clamp for bars to the printer with the two M10 × 30 hexagon socket head bolts with integrated washers ⑳.

! Note

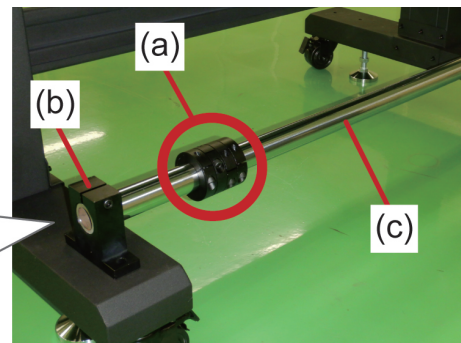
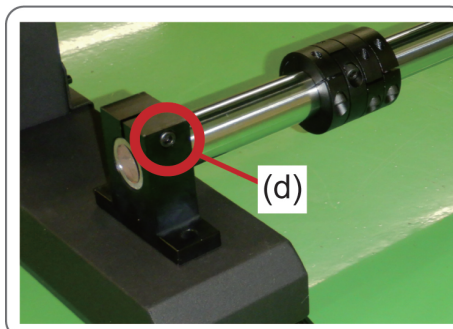
- Attach the clamp for bars so that screw (a) faces the front.



- 9 Pass four collars for bar fastening (a) and one clamp for bars (b) through the printer-side arm connection bar L1126 (c).

! Note

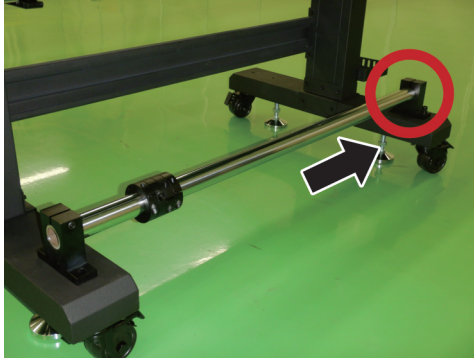
- Pass the clamp for bars so that screw (d) faces the front.



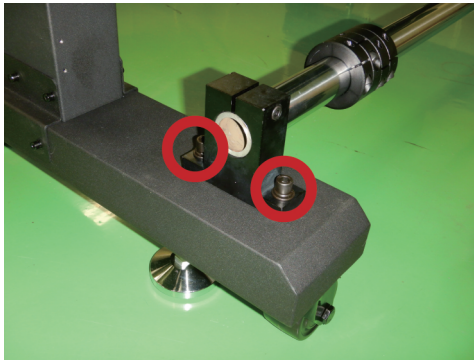
Chapter 4

Connecting the powder shaker

- 10 Pass the printer-side arm connection bar L1126 into the clamp for bars attached to the printer.



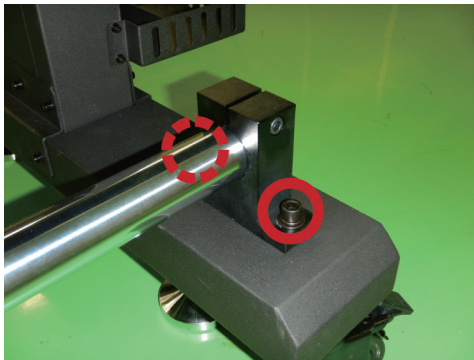
- 11 Fully tighten the clamp for bars to the printer with the two M10 × 30 hexagon socket head bolts with integrated washers ③.



Chapter 4

Connecting the powder shaker

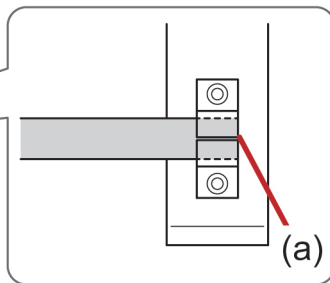
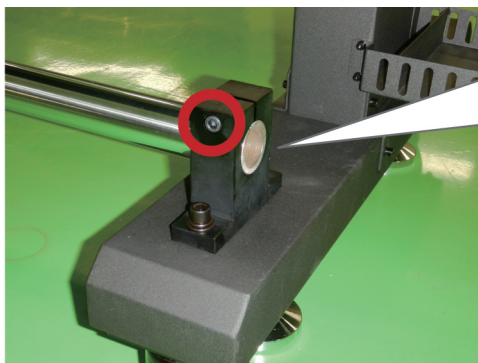
- 12 Fully tighten the two bolts that were temporarily tightened.



- 13 Align one end (a) of the printer-side arm connection bar L1126 with the clamp for bars and tighten the single screw.

TIPS

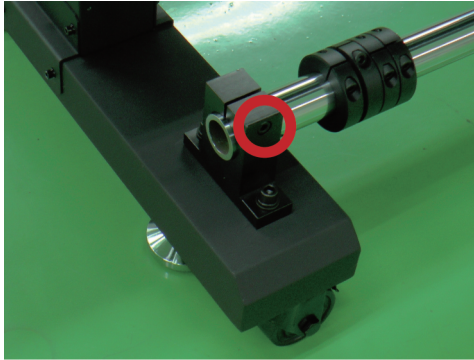
- The opposite end will protrude from the clamp for bars.



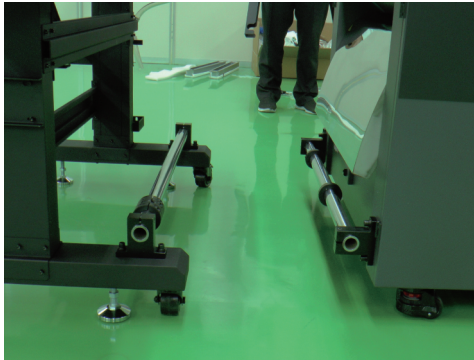
Chapter 4

Connecting the powder shaker

- 14 Tighten the single screw of the clamp for bars on the opposite side.



- 15 Move the shaker to the front of the printer.



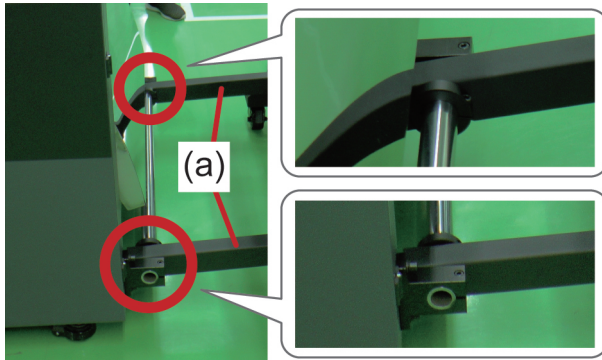
Chapter 4

Connecting the powder shaker

- 16 Hook the U-grooves of the two joint arms (a) onto the end of the shaker-side arm connection bar L956.

! Note

- Move the two bar collars on the shaker side toward the center, inside the joint arms.



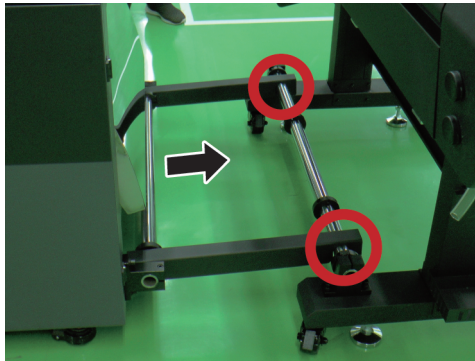
Chapter 4

Connecting the powder shaker

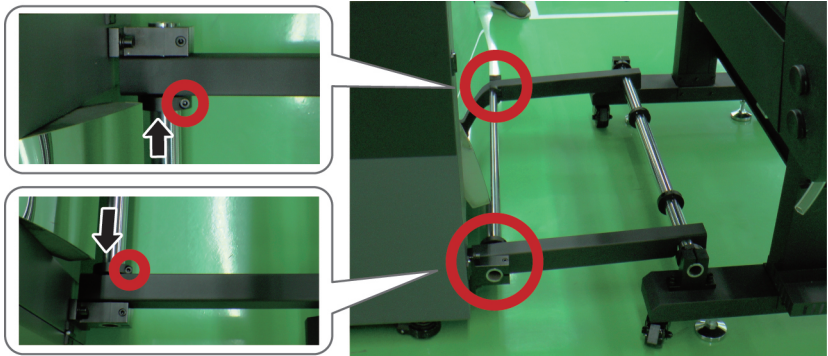
- 17 Move the shaker toward the printer until the two joint arms rest slightly on the printer-side arm connection bar L1126, then push the shaker further toward the printer until the U-grooves of the joint arms hook onto the same bar.

! Note

- Move the four printer-side bar collars so that they sandwich the two joint arms in pairs.



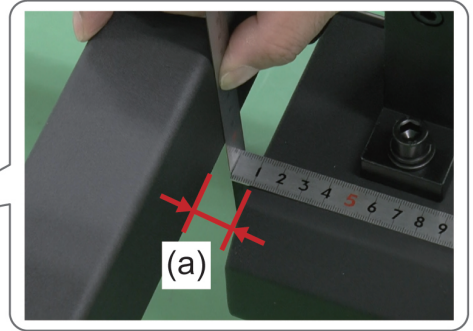
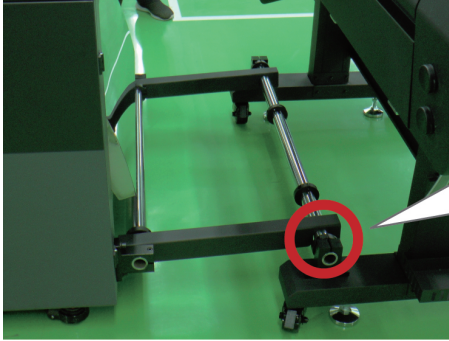
- 18 Clamp the two joint arms using the shaker-side clamps for bars and the two bar collars, and tighten the two screws.



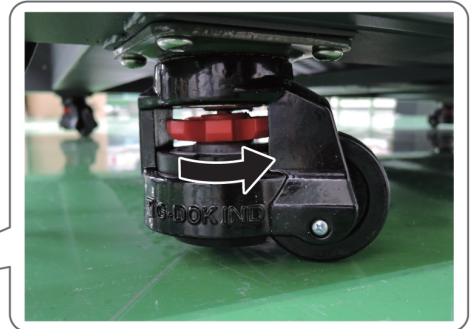
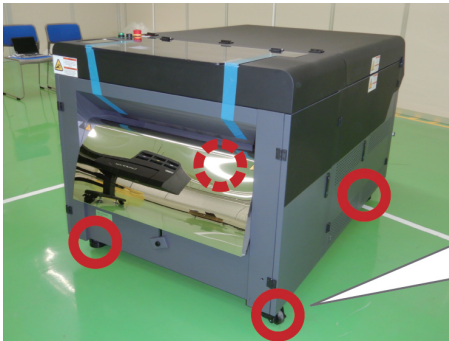
Chapter 4

Connecting the powder shaker

- 19 Adjust the left-right position of the shaker so that the distance (a) between the joint arm and the R-side caster is 0.4 in. (10 mm).



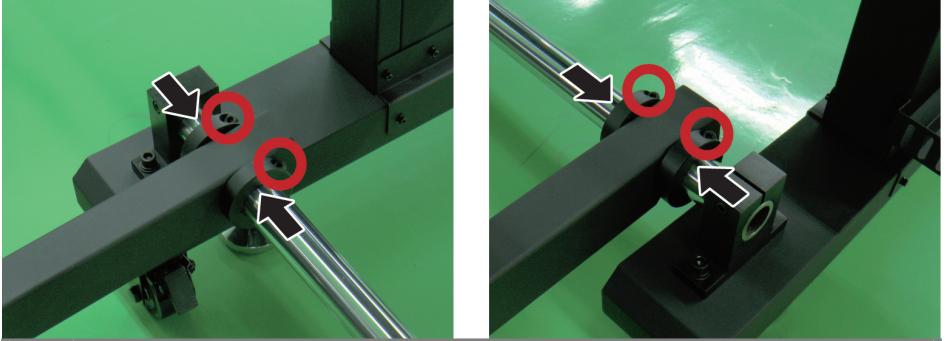
- 20 Lower the adjusters at the four corners of the shaker so that it does not move on the casters.



Chapter 4

Connecting the powder shaker

- 21 Clamp the two joint arms with the four printer-side bar collars and tighten the four screws.



! Note

- For the remaining setup on the shaker side, refer to the Powder Shaker Manual.


Chapter 5

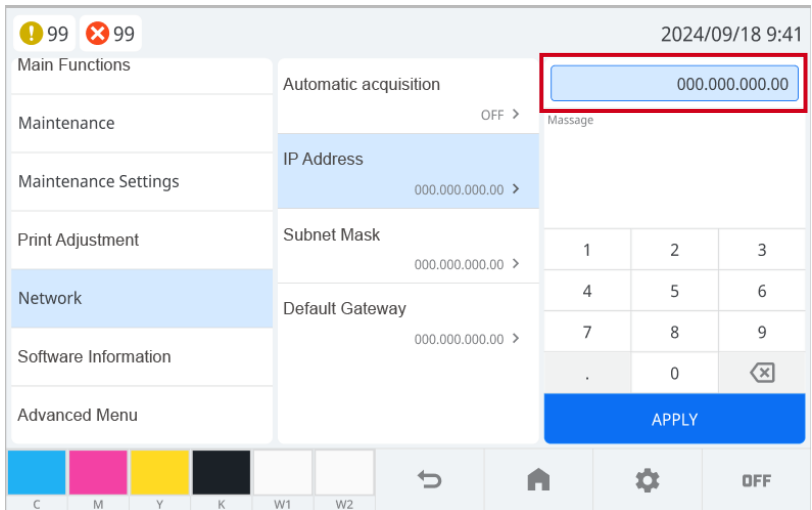
Connection to a PC

This section explains the setup procedure when connecting the computer and the printer in a one-to-one configuration.

5.1 Configuring printer network settings

1 Set the IP address.

- (1) Press .
- (2) Press [Network].
- (3) Press [Automatic acquisition] to turn it off.
- (4) Press [IP Address] and set the IP address (192.168.0.XXX).
“XXX” can be any number between 1 and 254. However, make sure to use a number that does not duplicate any other computer or device.
The [192.168.0] portion must match the computer’s settings.
In this example, enter [192.168.0.3].



(5) Press [Apply].

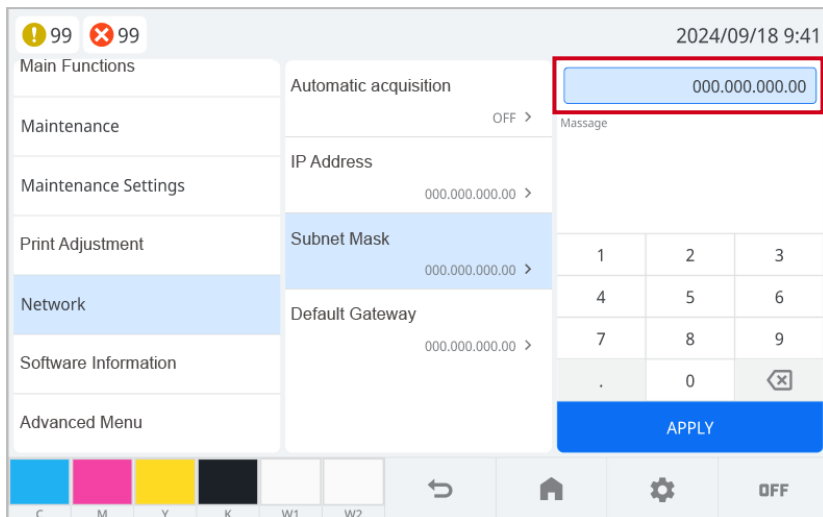
Chapter 5

Connection to a PC

2 Set the subnet mask.

- (1) Press [Subnet Mask] and set the subnet mask (255.255.255.0).

Set the subnet mask to the same value as the computer's.



- (2) Press [Apply].

When the printer and computer are connected in a one-to-one configuration, the printer setup is now complete.

Return to the previous screen and proceed to [Adjusting and Setting up the RIP Software on page 118](#).

If it is necessary to set the gateway address, follow the next procedure.

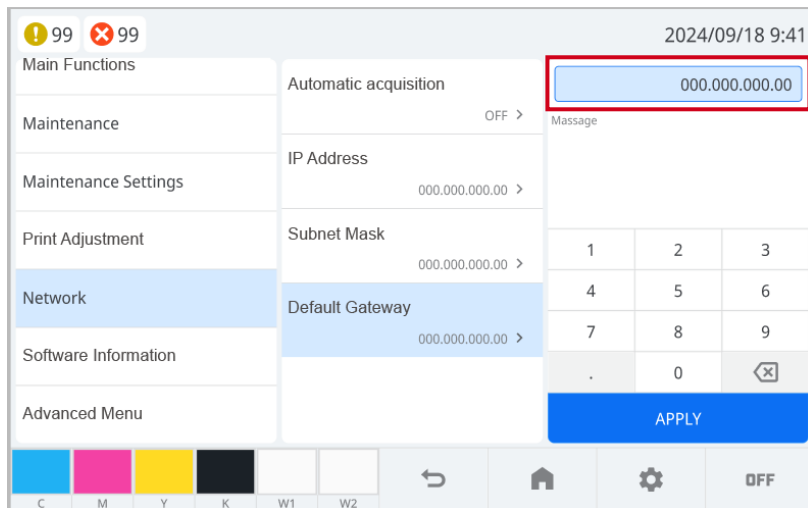
Chapter 5

Connection to a PC


3 Set the gateway address.

(1) Press [Default Gateway] and set the default gateway (192.168.0.XXX).

Consult the network administrator about what value to enter for the default gateway. In this example, enter [192.168.0.1].



(2) Press [Apply].

4 Press  to return to the previous screen.

Chapter 6

Adjusting and Setting up the RIP Software

6.1 Performing adjustment

6.1.1 Performing a Printing Test

6.1.1.1 Setup of Media

Load the roll media on the printer. This work is referred to as "Setup of Media."

CAUTION

- Load the roll media correctly.
Otherwise the media may fall and cause injury.
- The roll media is approximately 13 kg (29 lb.).
To avoid injury, handle the roll media with care.
- Never load media that weighs over 13 kg (29 lb.).
The printer may fail to withstand the weight and tip over or cause the media to fall.

Installing the media on the media holders

The media holders of this printer are designed to be used with a paper tube (core) with an inner diameter of 2 inches (50.8 mm) or 3 inches (76.2 mm).

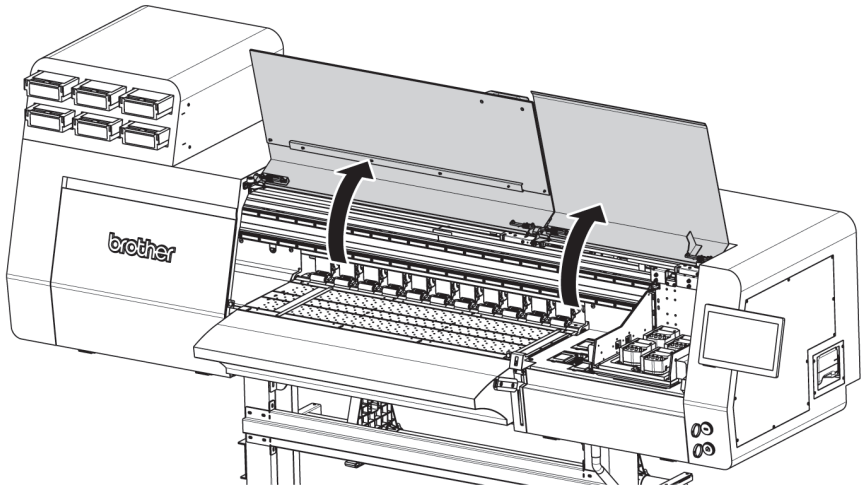
CAUTION

- When handling roll media, be careful to prevent it from falling.
Attempting to lift heavy media in a manner that taxes your strength may cause physical injury. Also, if dropped, such items may cause injury.

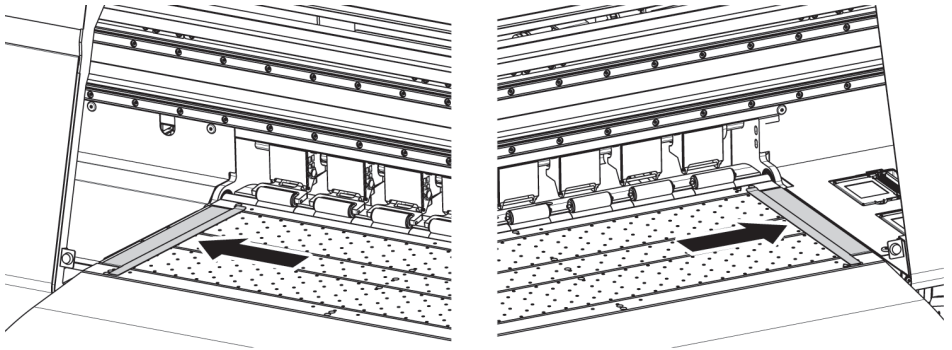
Chapter 6

Adjusting and Setting up the RIP Software

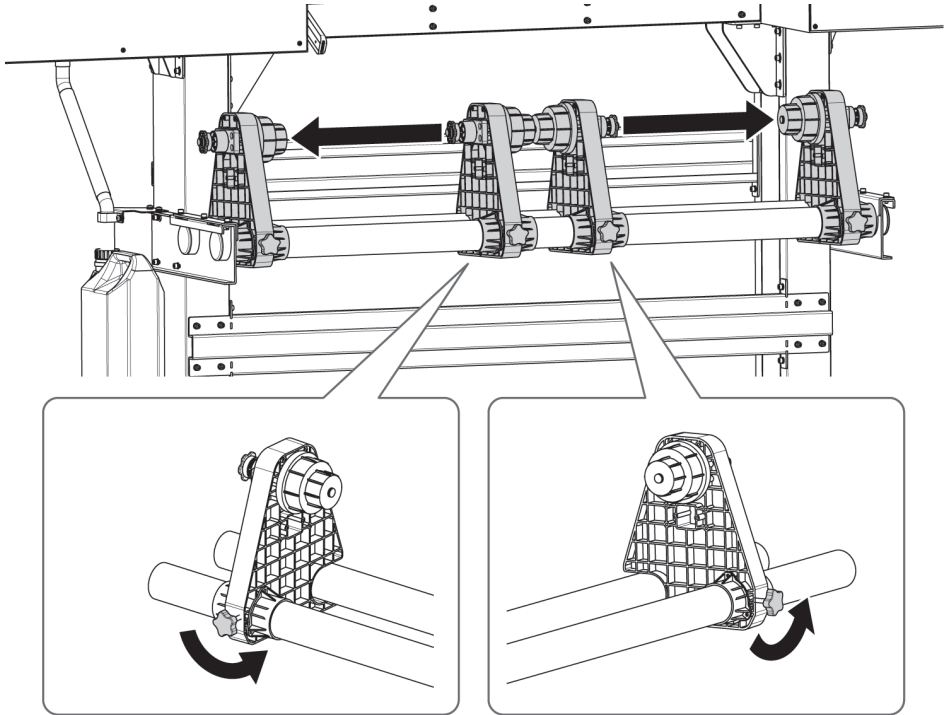
- 1 Open the front cover and the upper right cover.



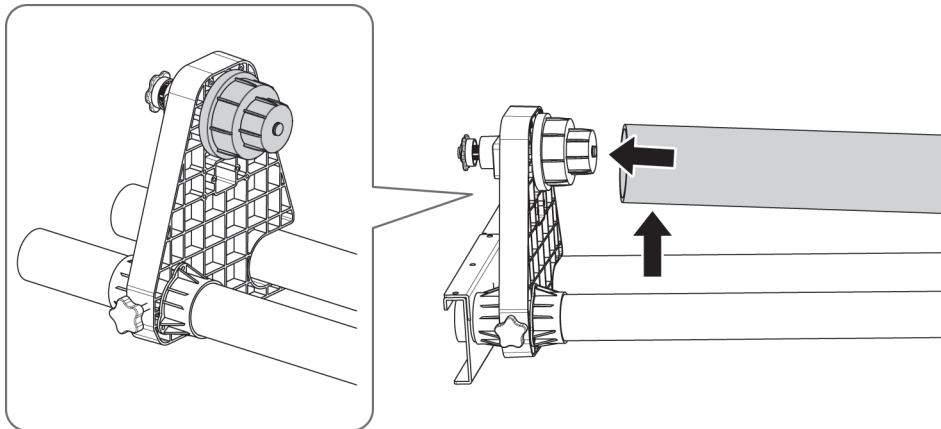
- 2 Move the media clamps outward beyond the left and right grid rollers.



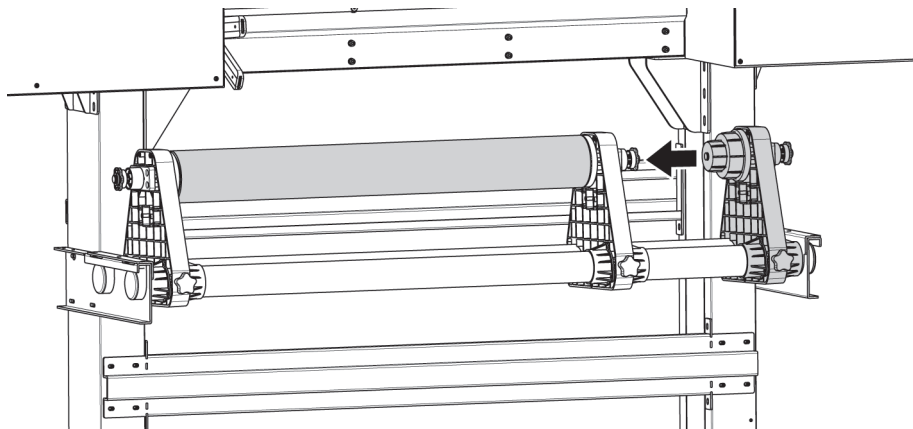
- 3 Release the media holders and move them fully to the left and right.



- 4 Insert the media core into the end cap of the left media holder.



- 5 Move the right media holder and insert the media core into the end cap. Fit the paper tube onto the media holders securely to prevent the media from moving easily.



! IMPORTANT

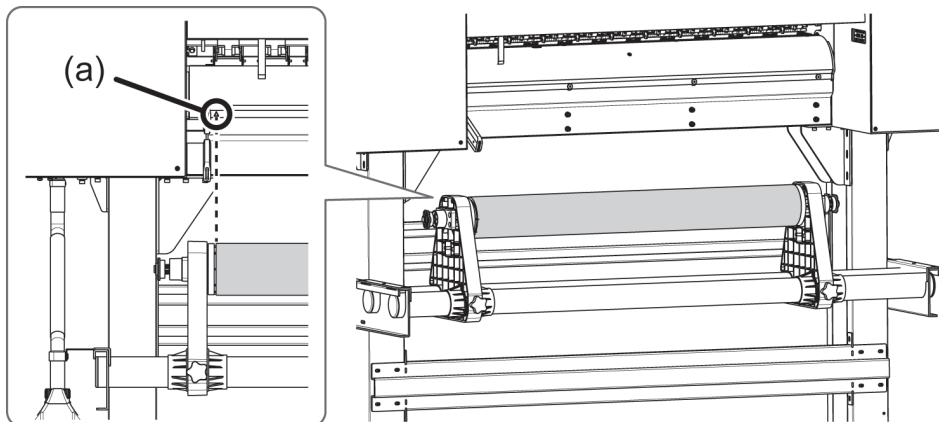
- Do not secure the media holders in place just yet. In the following procedure, you will adjust the positions of the media holders before securing them in place.

Determining the positions of the media

1 Align the left edge of the media with mark (a).

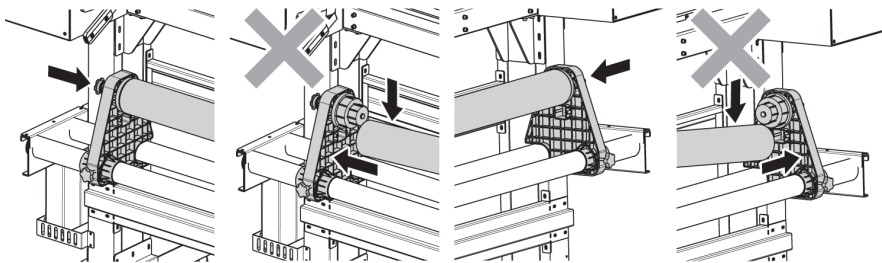
Note the following points when determining the positions.

- Hold the media holders from the outside and move them.
- Move the media holder so the end of the media aligns with the tip of mark (a).



CAUTION

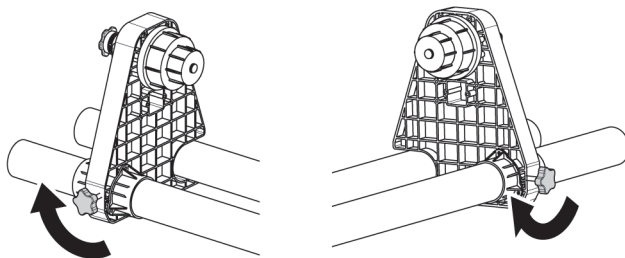
- Do not hold places other than those instructed. Do not move the media by holding it directly. Otherwise the media may fall off the media holder and cause injury.



! IMPORTANT

- Firmly decide the left and right side positions of the media at this point. After this procedure is completed, if the left and right side positions do not fit the proper positions when securing the media with pinch rollers, you will have to go back to this step to redo this procedure. If you just hold the media to readjust its position forcibly, the media will be skewed during printing, which will have an adverse effect on the printing results.

2 Tighten the fixing screw to secure the media holder.

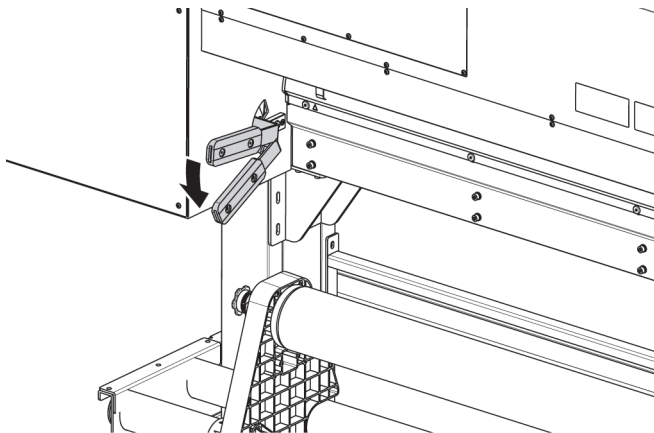


- 3 Set the media using the following steps.

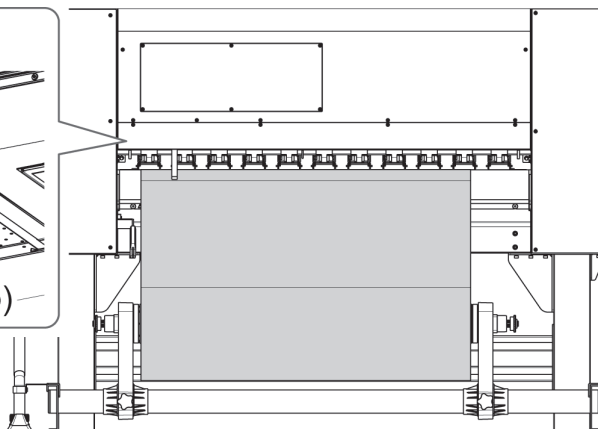
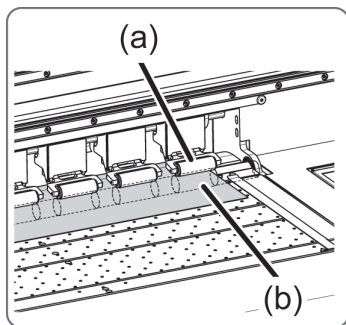
! IMPORTANT

- If the leading edge of the media is wavy, it may catch on the joint of the post heater. Cut off the wavy portion before setting the media.

- (1) Lower the rear loading lever to unlock it.



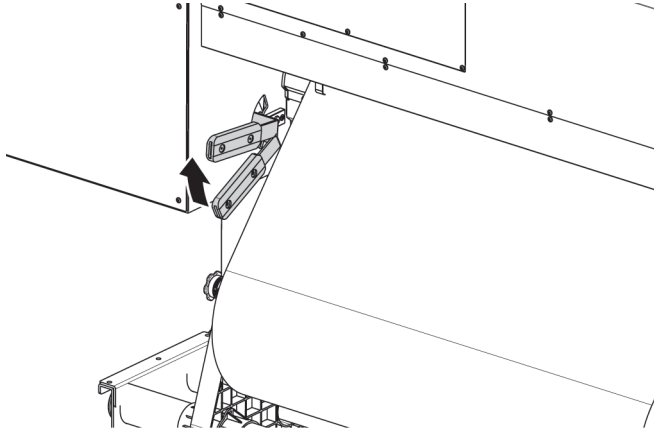
- (2) Insert the leading edge of the media between the pinch roller (a) and the grit roller (b).



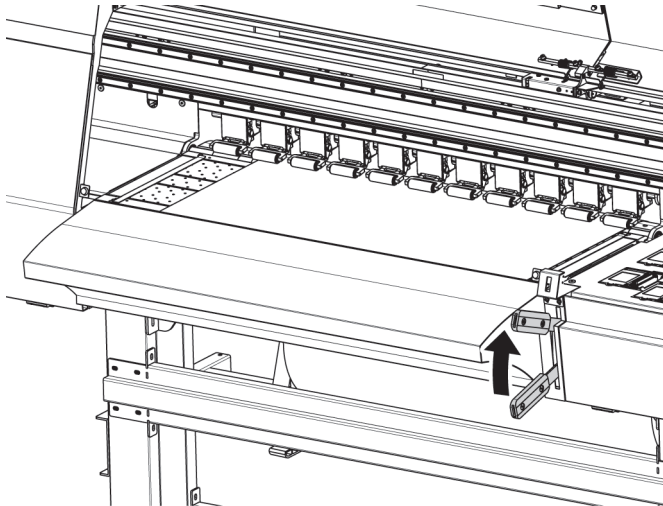
Chapter 6

Adjusting and Setting up the RIP Software

- (3) Feed the media approximately 11.8 in. (30 cm) past the pinch roller, then raise the rear loading lever to lock the media.



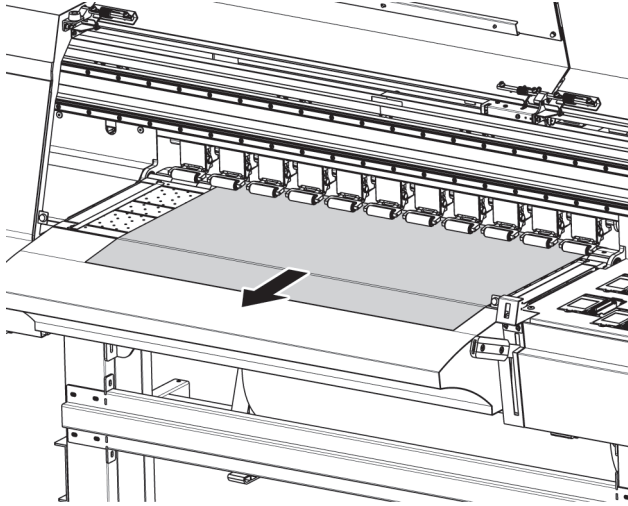
- (4) Move to the front of the printer and raise the front loading lever to unlock the media.



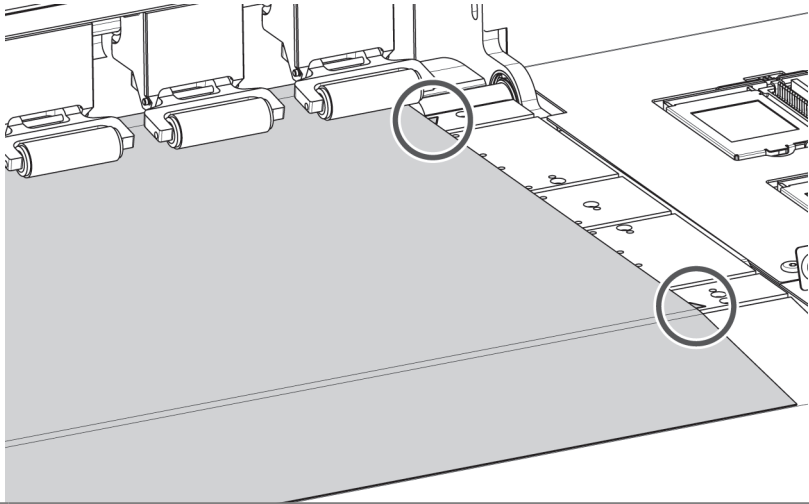
Chapter 6

Adjusting and Setting up the RIP Software

- 4 Pull out an additional 3.9 in. (10 cm) of media.



- 5 Confirm that the right edge of the media aligns with the marks.



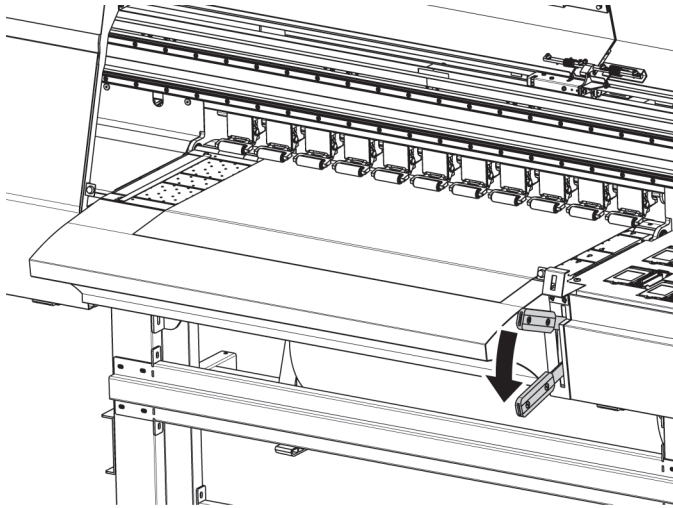
! IMPORTANT

- If you want to readjust the media position, return to the back of the printer, release the media holders, and then redo the procedure from step 1. If you just stand at the front of the printer and hold the media to readjust its position forcibly, the media will be skewed during printing or will come loose, which will affect the printing quality.
- Check that there is no slack in the media.
In particular, if there is a difference in slack between the left and right sides, the media may be fed at an angle.

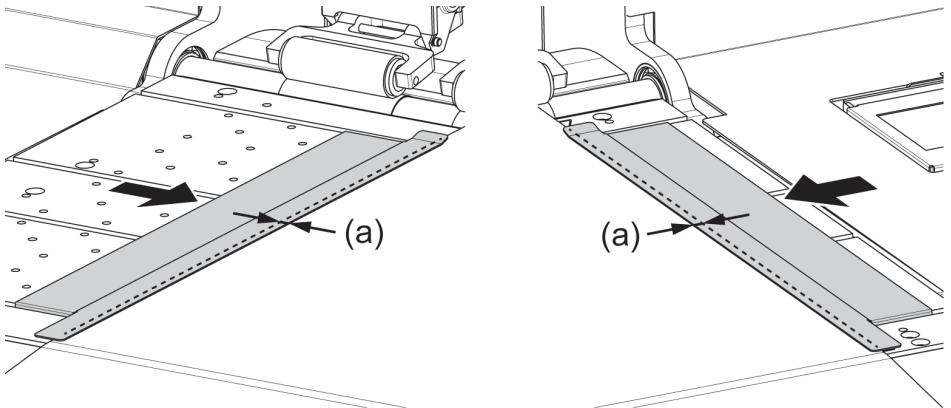
Chapter 6

Adjusting and Setting up the RIP Software

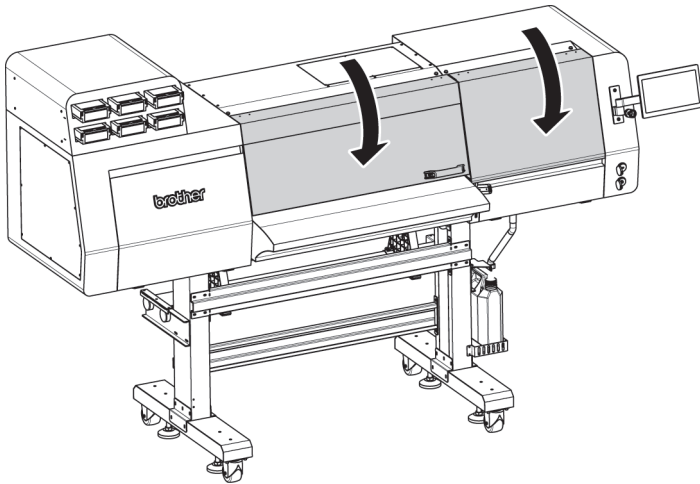
- 6** Lower the front loading lever.
The media is held in place.



- 7** Move the left and right media clamps and overlap them by 0.2 in. (4 mm) (a) onto the media edge.




- 8 Close the front cover and the right upper cover.

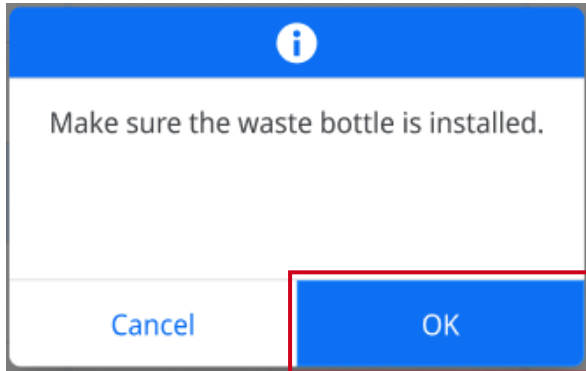


6.1.1.2 Installing the ink

Turn on the power of the printer and perform the operation while the printer is in Standby mode.

- 1 Press .
- 2 Press [Maintenance]>[Initial Ink Installation]>[Start].

- 3 Confirm that the waste ink tank is set, then press [OK].



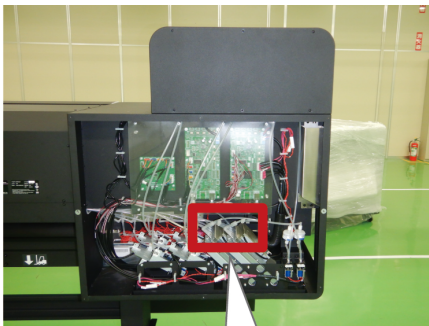
! **Note**

- If any other message is displayed on the operation panel, follow the message to resolve the issue.

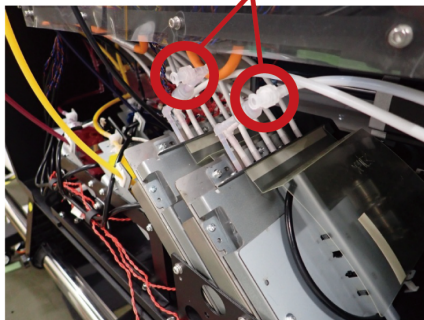
Chapter 6

Adjusting and Setting up the RIP Software

- 4 Use the syringe to remove air from the two white ink sub tanks, then press [OK].
- (1) Remove the caps from the two air outlets (a), insert the syringe, and draw until white ink comes out.



(a)

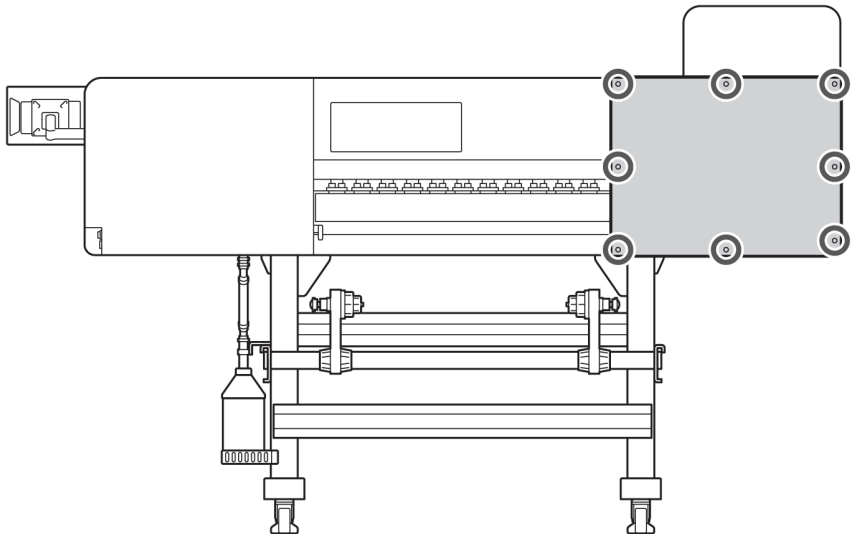


! IMPORTANT

- Use one syringe per sub tank.
Drawn ink may splatter.

- (2) Attach the caps that were removed.

- (3) Attach the left rear cover of the printer with eight screws.



- (4) Press [OK].
Ink installation will start.



TIPS

- The estimated completion time will be displayed.

- 5 When [Processing completed.] appears, press [Close].

6.1.1.3 Performing a printing test

Before you carry out actual printing, perform a printing test to ensure no dot drop-out or dot displacement occurs. If dot drop-out or dot displacement occurs, perform cleaning of the print heads (normal cleaning).



TIPS

- When performing printing tests successively, you can select [Feed] (vertical printing) or [Scan] (horizontal printing) as the printing position for the second and later tests in comparison to the first test.

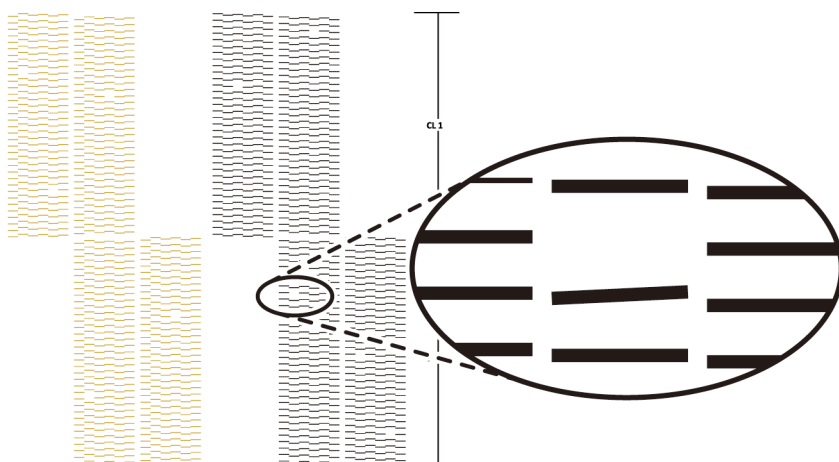
1 Load the media.

2 On the Home screen, press [Test Print].


Printing of the test pattern starts.

3 Check the test pattern for missing dots or dot misalignment.

Missing blocks indicate dot drop-out. Collapsed or inclined blocks indicate dot displacement.



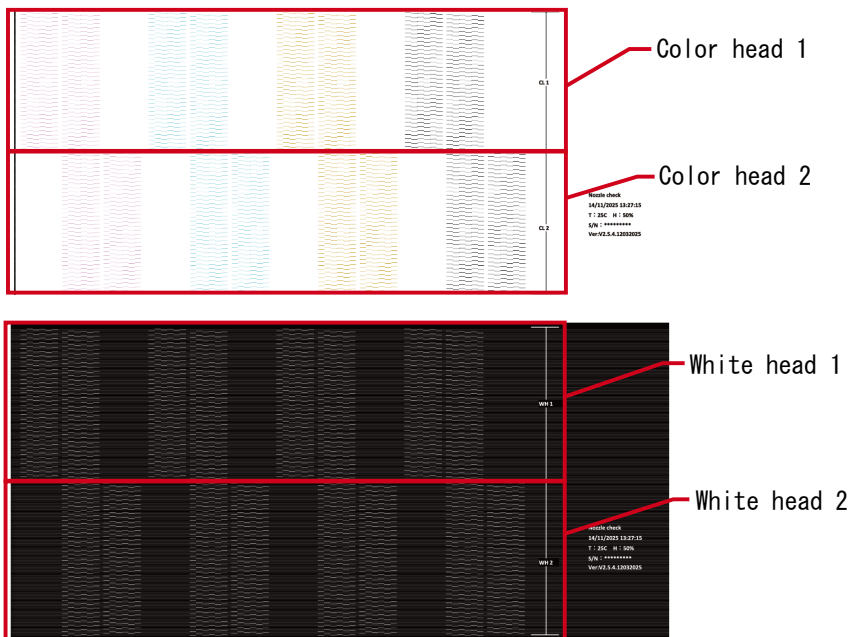
4 If the front cover was opened, close the front cover.

If there are no missing dots or dot misalignment, this task is complete. Press  to return to the previous screen.

If missing dots or dot misalignment are present

If missing dots or dot misalignment are present, perform normal cleaning.

- 1 Check the test-print result and identify any heads with missing dots or dot misalignment.



! Note

- If the printing-test results are difficult to interpret, check the results in a bright location, changing your line of vision. They are visible using the reflection of the light.



TIPS

- White print results become easier to see if you place a black sheet under the media.

2 On the Home screen, tap [Head Cleaning].

3 Select the group of print heads to be cleaned.

4 Select [Normal], and press [Start].

Cleaning will start. On completion, you will return to the original screen.

5 Press .

6 Press [Test Print].

Perform a printing test again to check whether the dot drop-out and dot displacement have been corrected.



Note

- If the problem persists, try performing normal cleaning again.
- If the printer has been used for a long period, dot drop-outs may not be fixed even after performing normal cleaning two or three times. If this is the case, clean using a different method.

6.1.2 Making adjustments after the print head is mounted



Note

- Check that the media and waste ink tank are installed.



IMPORTANT

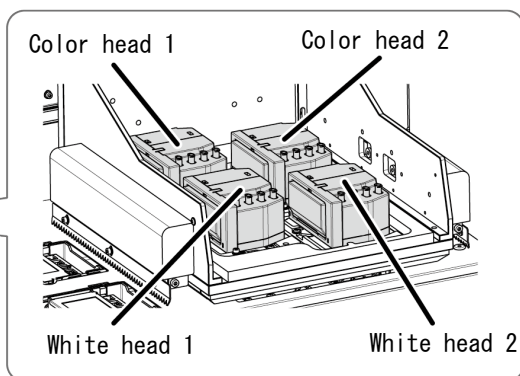
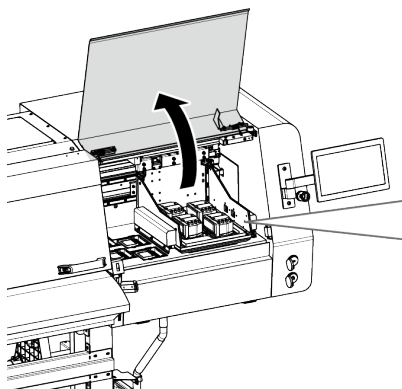
- You may need to open the cover when checking various adjustments or test print results, but be sure to close the cover before performing any test printing.


TIPS

- If you need to stop the work partway through or if adjustments are completed before finishing all steps, press [Cancel] to return to the previous screen.
Pressing [Cancel] on the first screen of each adjustment returns you to the settings menu.

6.1.2.1 Entering the V-rating

- 1 Open the upper right cover.

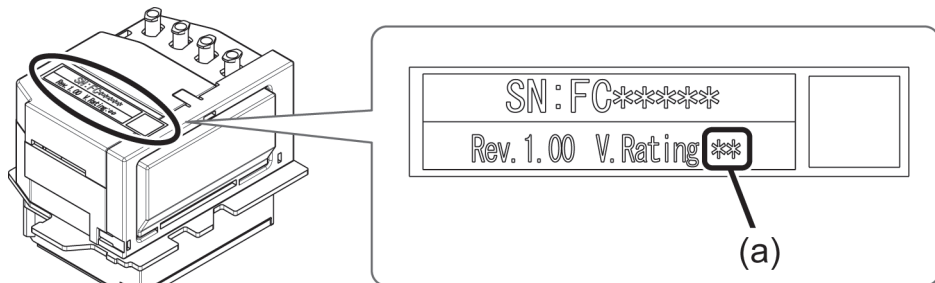


- 2 Press .
- 3 Press [Advanced Menu] > [Login].
- 4 Enter the password.
- 5 Press [Maintenance] > [Print Adjustment] > [V-rating input].

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- 6 Check the V-rating (a) printed on the head.



- 7 Enter the V-rating for each head (four locations).
- 8 Close the upper right cover.
- 9 Press [Finish] to proceed to the next task.

6.1.2.2 Performing head tilt adjustment

TIPS

- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [Head Tilt Adjustment].

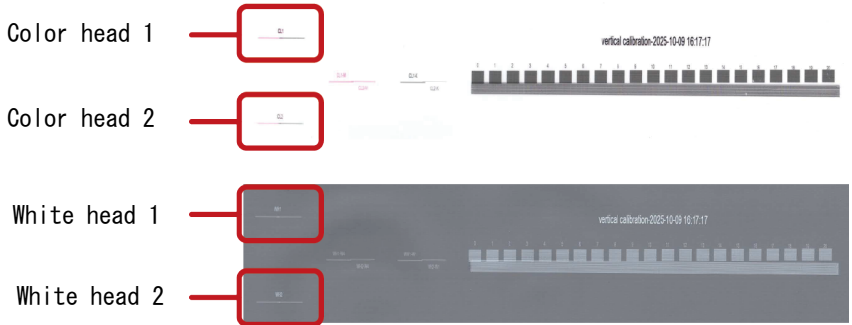
- 1 Press [Start].

A test print will be performed, and when completed, the head will move to the area near the wiper unit.

Chapter 6

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2 Check the leftmost print result.



3 If the left and right lines are vertically misaligned, adjust the mounting position of the head.

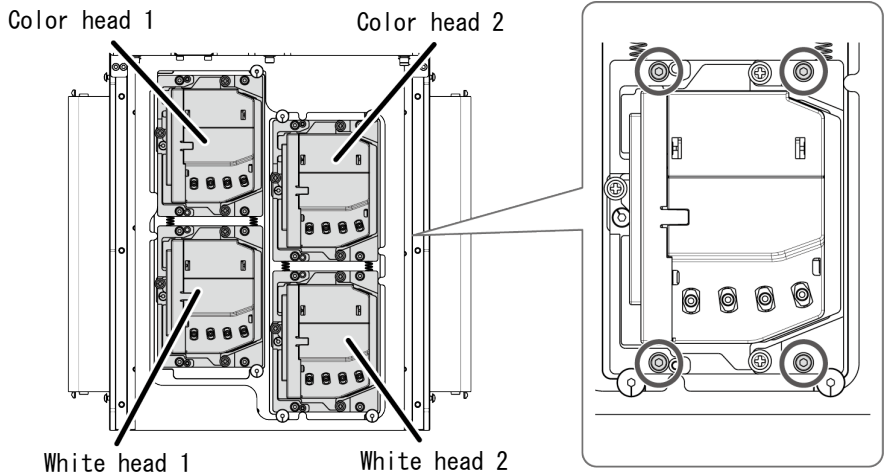
If there is no misalignment, run [Print] again and proceed to Step 9.



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- 4 Open the right upper cover and loosen the four fixing screws of the head base for the target head.

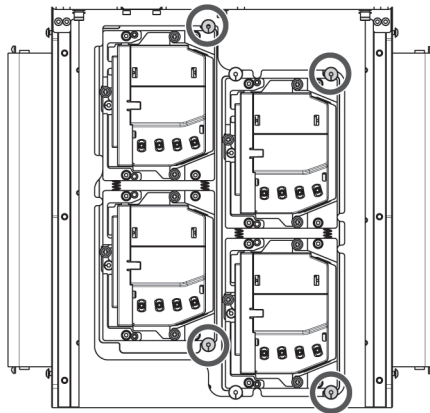


- 5 Turn the adjustment screw on the head base of the target head according to the direction of the line misalignment.

TIPS

- As a guideline, six turns of the adjustment screw correspond to the spacing of one line.

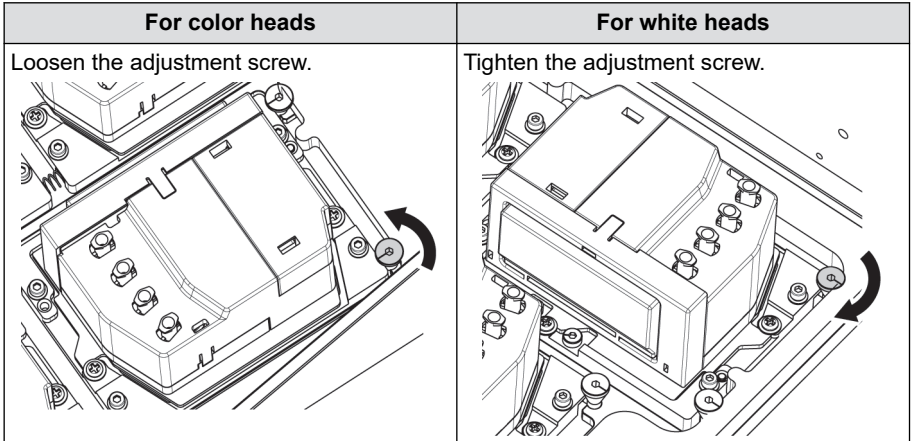
If the two lines are positioned between each other as shown below, turning the adjustment screw three times will align the lines.



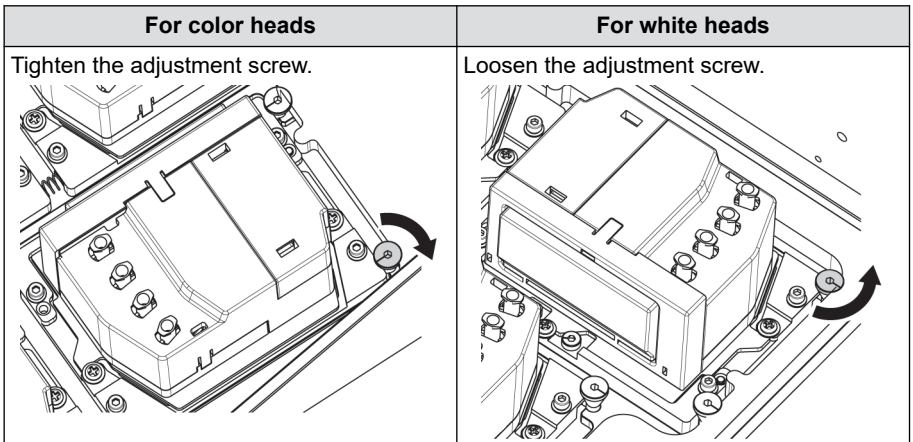
Chapter 6

Adjusting and Setting up the RIP Software

- If the left line is higher



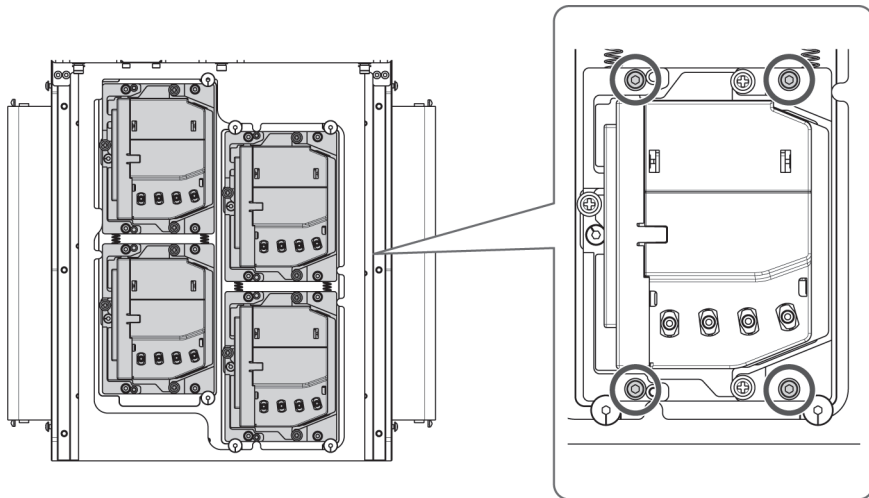
- If the right line is higher



Chapter 6

Adjusting and Setting up the RIP Software

- 6 Tighten the four fixing screws on the head base of the target head that you loosened.



- 7 Close the right upper cover and press [Print].

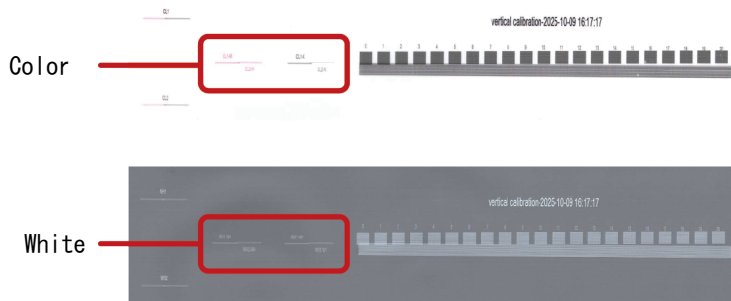
A test print will be performed, and when completed, the head will move to the area near the wiper unit.

- 8 Check whether the left and right lines are aligned for all heads.

If additional adjustment is required, press [Readjust] and repeat Steps 4–7.

If all lines are aligned, proceed to the next step.

- 9 Check the print result at the position shown in the figure below.



Chapter 6

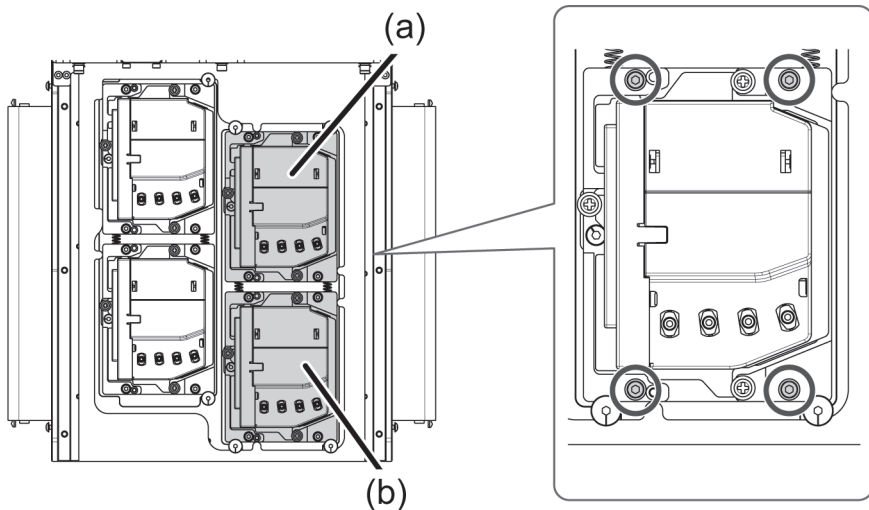
Adjusting and Setting up the RIP Software

- 10 If the left and right lines are vertically misaligned, adjust the mounting position of the head.

If there is no misalignment, run [Print] again and proceed to Step 16.



- 11 Open the right upper cover; for color adjustment, loosen the four fixing screws on the head base of Color head 2 (a), for white adjustment, loosen the four fixing screws on the head base of White head 2 (b).



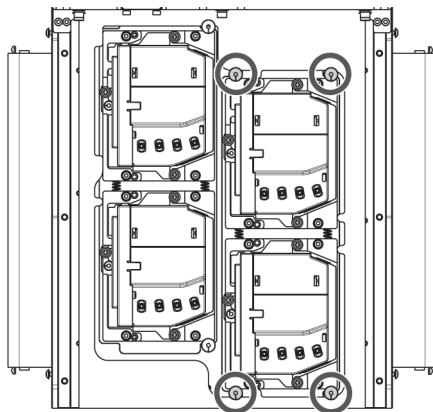
- 12 Turn the two adjustment screws on the head base of the target head according to the direction of the line misalignment.

! Note

- Be sure to turn both adjustment screws by the same amount. If the amounts of rotation differ between the left and right screws, the head may become tilted.

TIPS

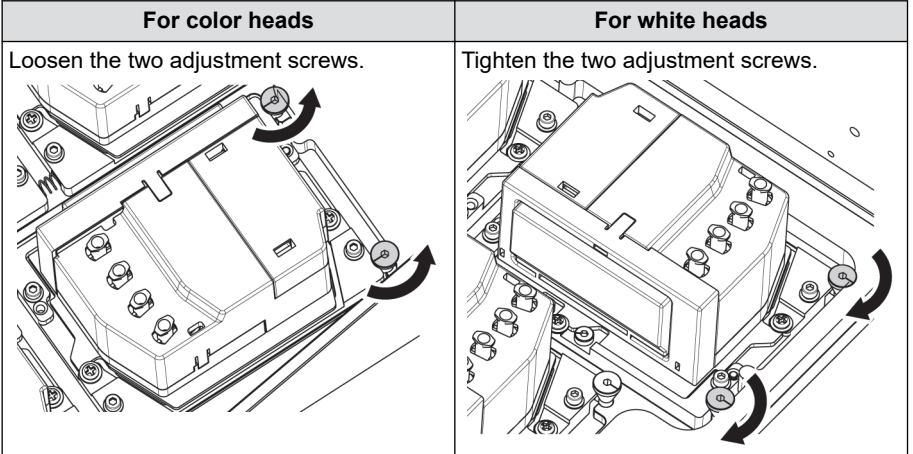
- As a guideline, one full turn of the adjustment screw corresponds to the spacing of one line. If the two lines are positioned between each other as shown below, turning the adjustment screw by 0.5 turns will align the lines.



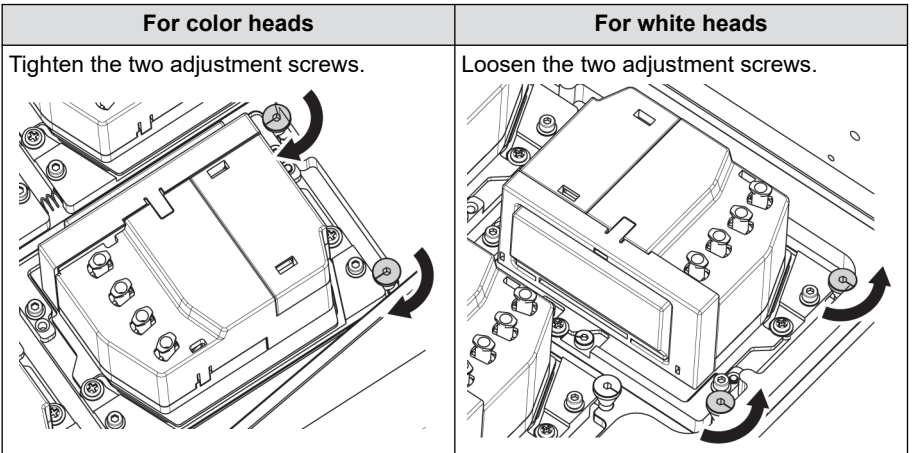
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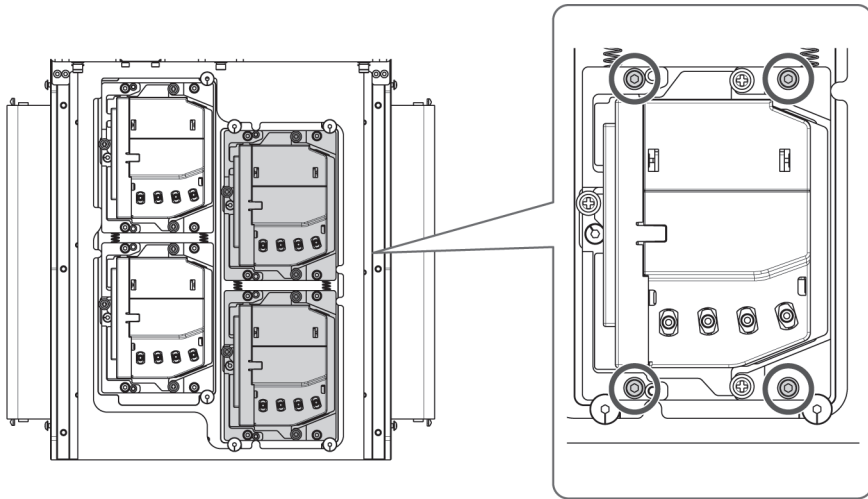
- If the left line is higher



- If the right line is higher

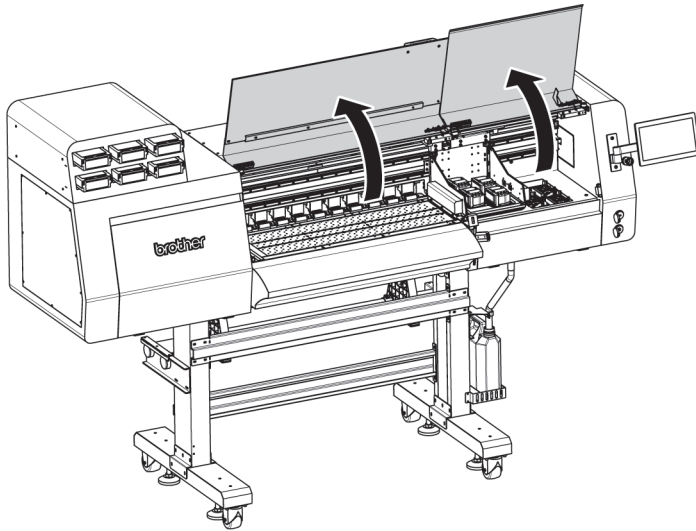


- 13** Tighten the four fixing screws on the head base of the target head that you loosened.

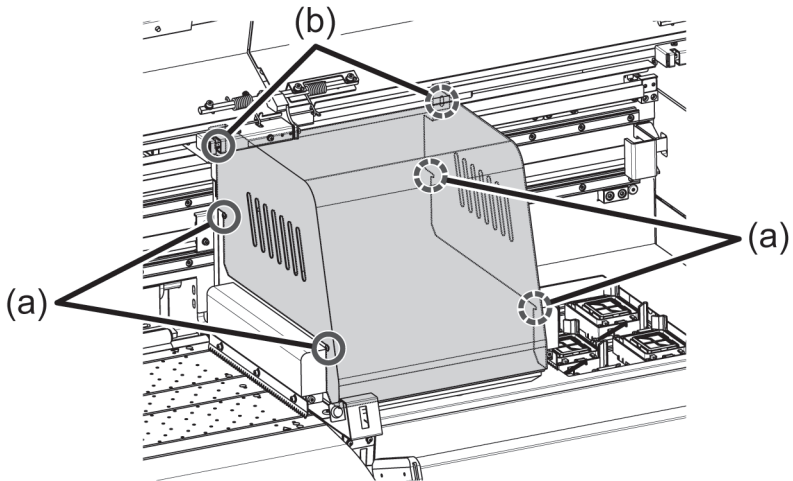


- 14** Close the right upper cover and press [Print].
A test print will be performed, and when completed, the head will move to the area near the wiper unit.
- 15** Check whether the left and right lines are aligned for all heads.
If additional adjustment is required, press [Readjust] and repeat Steps 11–14.

- 16 Once all lines are aligned, open the front cover and the right upper cover.



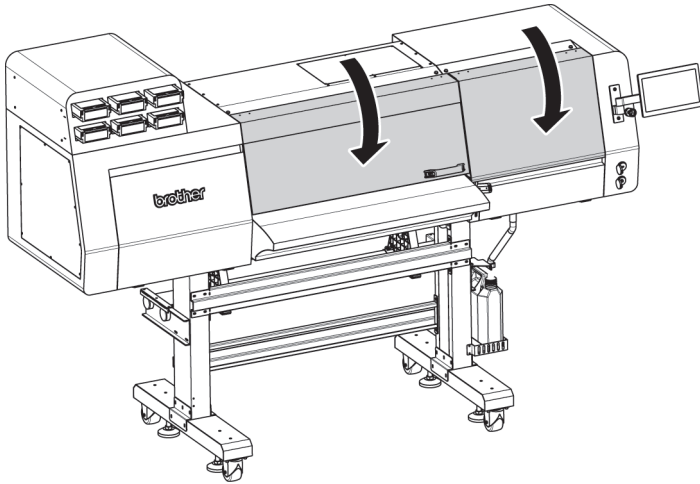
- 17 Fit the carriage cover onto the four screws (a) and secure it with the two screws (b). Firmly tighten the four screws (a) securely.



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Adjusting and Setting up the RIP Software

- 18 Close the front cover and the right upper cover.




- 19 Press [Finish] to proceed to the next task.

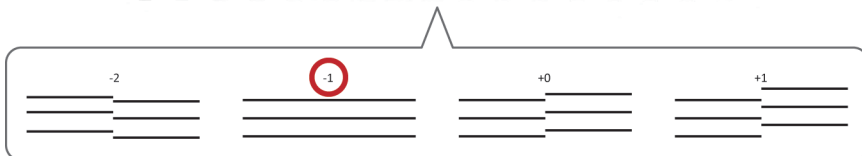
6.1.2.3 Performing film feed adjustment



TIPS

- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [Film Feed Adjustment].


- 1 Perform the test print following the on-screen instructions.
- 2 Check the test print result and enter the correction value corresponding to the position where the vertical misalignment between the left and right lines is the smallest.



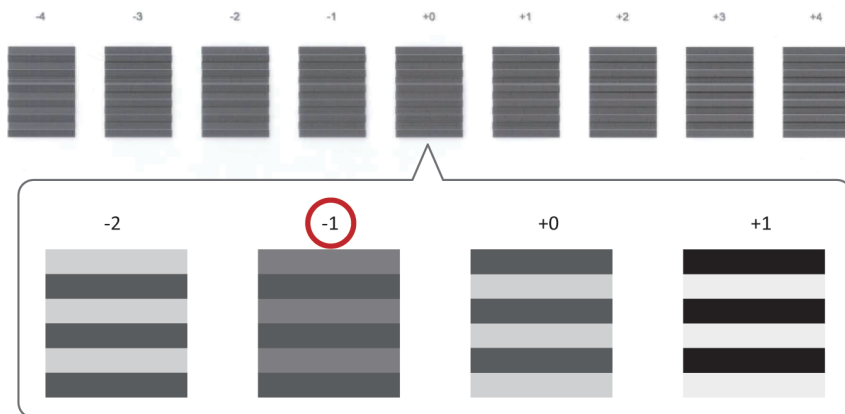
- 3 Press [Print] to run the test print.
- 4 If the print result at correction value +0 shows no misalignment, press [Finish] and proceed to the next task.
If misalignment is present, press [Readjust] and repeat the procedure from Step 1.
- 5 Perform the test print for [High Precision] in the same manner and enter the correction value.

6.1.2.4 Performing color alignment between the two heads

TIPS

- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [Color Adjustment between Two Heads].


- 1 Perform the test print following the on-screen instructions.
- 2 Check the test print result and enter the correction value corresponding to the position where the color difference between the two lines is the smallest.



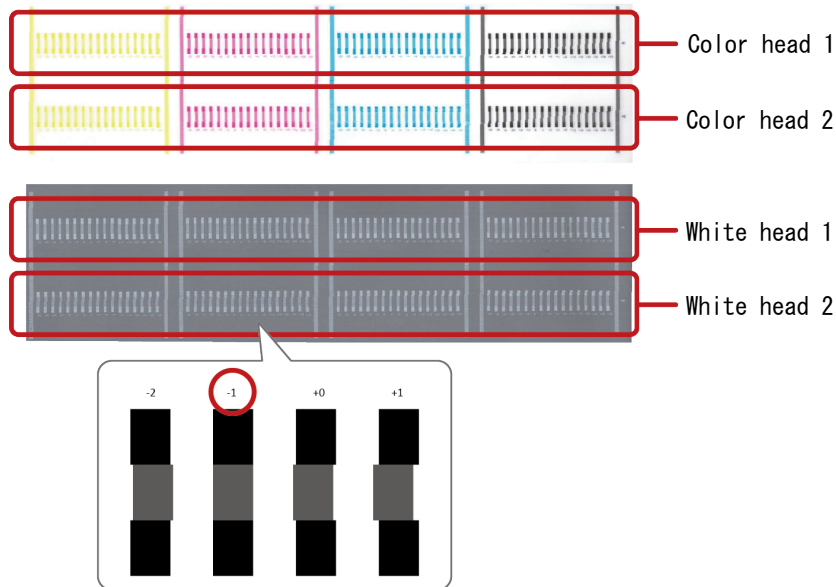
- 3 Press [Print] to run the test print.
- 4 If there is no problem with the print result at correction value +0, press [Finish] and proceed to the next task.
If misalignment is present, press [Readjust] and repeat the procedure from Step 1.
- 5 Perform the test print for [White] in the same manner and enter the correction value.

6.1.2.5 Perform the discharge timing adjustment

TIPS

- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [Discharge Timing Adjustment].

- 1 Perform the test print following the on-screen instructions.
- 2 Check the test print result and enter the correction value corresponding to the position where the horizontal misalignment among the upper, center, and lower bands is the smallest.



- 3 Press [Print] to run the test print.


- 4 If there is no problem with the print result at correction value +0, press [Finish] and proceed to the next task.

If misalignment is present, press [Readjust] and repeat the procedure from Step 1.

6.1.2.6 Adjusting the position between the two heads



TIPS

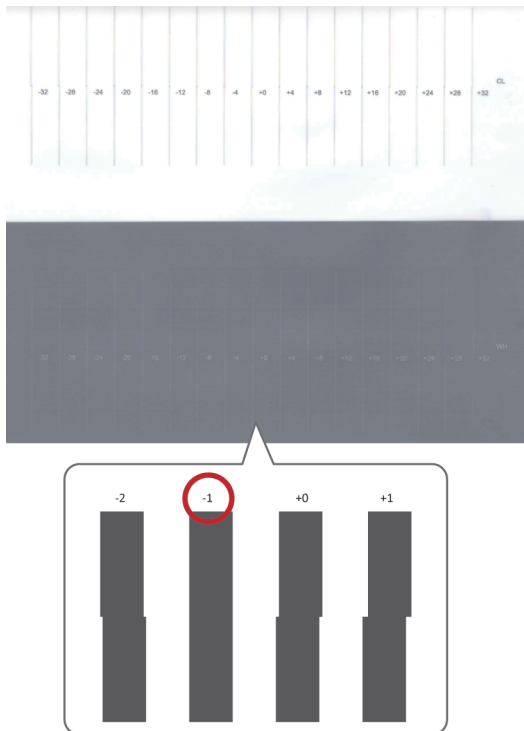
- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [Position Adjustment between Two Heads].

- 1 Perform the test print following the on-screen instructions.

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Adjusting and Setting up the RIP Software

- 2 Check the test print result and enter the correction value corresponding to the position where the horizontal misalignment between the upper and lower lines is the smallest.




- 3 Press [Print] to run the test print.
- 4 If there is no problem with the print result at correction value +0, press [Finish] and proceed to the next task.
If misalignment is present, press [Readjust] and repeat the procedure from Step 1.
- 5 Perform the test print for the right direction in the same manner as for the left direction and enter the corresponding correction value.

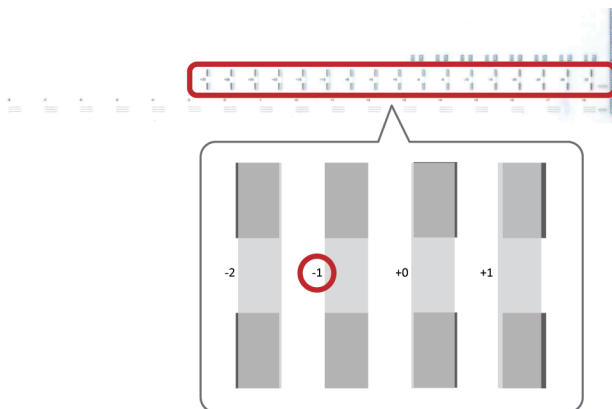
6.1.2.7 Performing white/color alignment



TIPS

- If starting from this task, press the following in order:  > [Advanced Menu] > [Login] (enter the password) > [Maintenance] > [Print Adjustment] > [White/Color alignment].

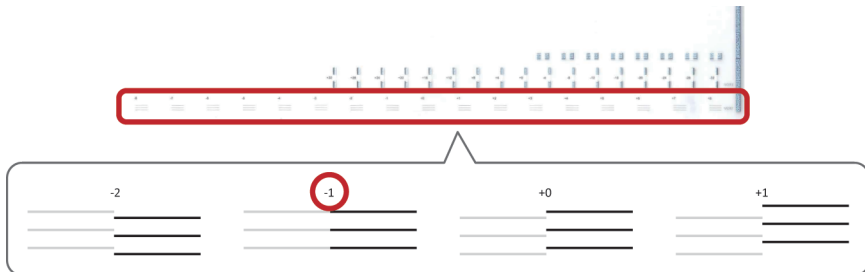
- 1 Perform the test print following the on-screen instructions.
- 2 Read the horizontal test print results and enter the value of the position where the left-right misalignment between the white and black lines is the smallest as the correction value.



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- 3 Read the vertical test print result and enter the correction value corresponding to the position where the up-down misalignment between the white and black lines is the smallest.



- 4 Press [Print] to run the test print.
- 5 If there is no problem with the print result at correction value +0, press [Finish] to complete the adjustment.
If misalignment is present, press [Readjust] and repeat the procedure from Step 1.

6.2 Set up the RIP software

Refer to the RIP software manual.

Chapter 7

Maintenance list

To maintain the printing quality and use the printer for a longer time, the following maintenance is needed.

For details, refer to the Instruction Manual.

Maintenance timing	Description	Error / Warning display
Before printing	Confirmation and disposal of waste ink	—
	Confirmation and refilling of the cleaning solution	○
	Daily agitation of the white ink	○
	Performing a printing test (print head check)	—
When an error / warning is displayed	Replacement of ink pouch with a new one	○
	Replacement of the flushing foam	○
	Cleaning of the nozzle guards, print head cap, and flushing frame	○
	Replacement of the wiper	○
When the printer becomes dirty	Head cleaning	—

Product inquiries

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Please note that the contents of this manual may differ slightly from the actual product purchased as a result of product improvements.

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This is the original instructions.

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D03LYE001 EN
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