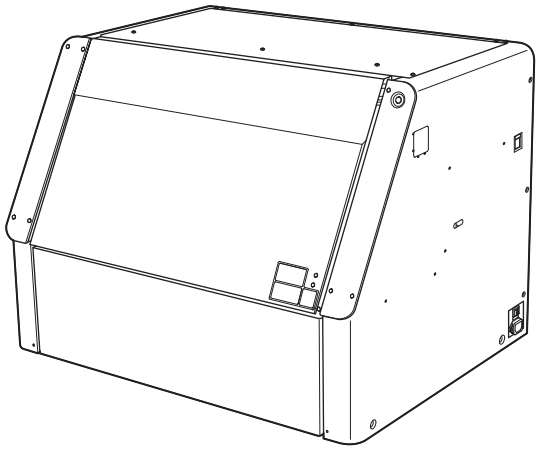
VersaSTUDIO

BD-8 BD-12

Machine Installation



Thank you very much for purchasing this product.

- To ensure correct and safe usage with a full understanding of this product's performance, please be sure to read through this manual completely.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The specifications of this product and the contents of this operation manual are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
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About This Manual

This document is the user's manual for the BD-8/12. This document uses the following notations to distinguish between the models where necessary.

- BD-8
- BD-12

Most of the figures in this document depict the BD-8.

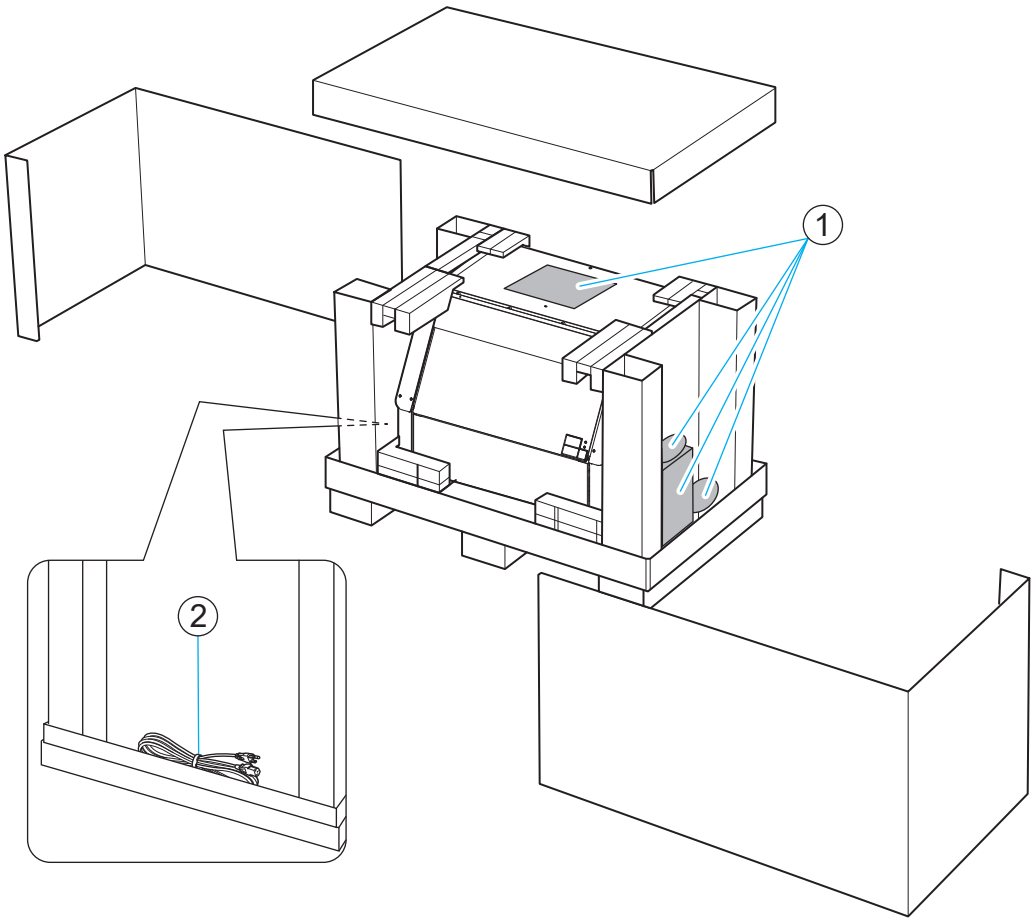
Removing the Machine from the Box

Packaging Diagram (BD-8)

MEMO

Use the following link to view a reference video for this procedure. We recommend that you view this video to understand the overall flow of work.

https://vimeo.com/907674343/98027b5047



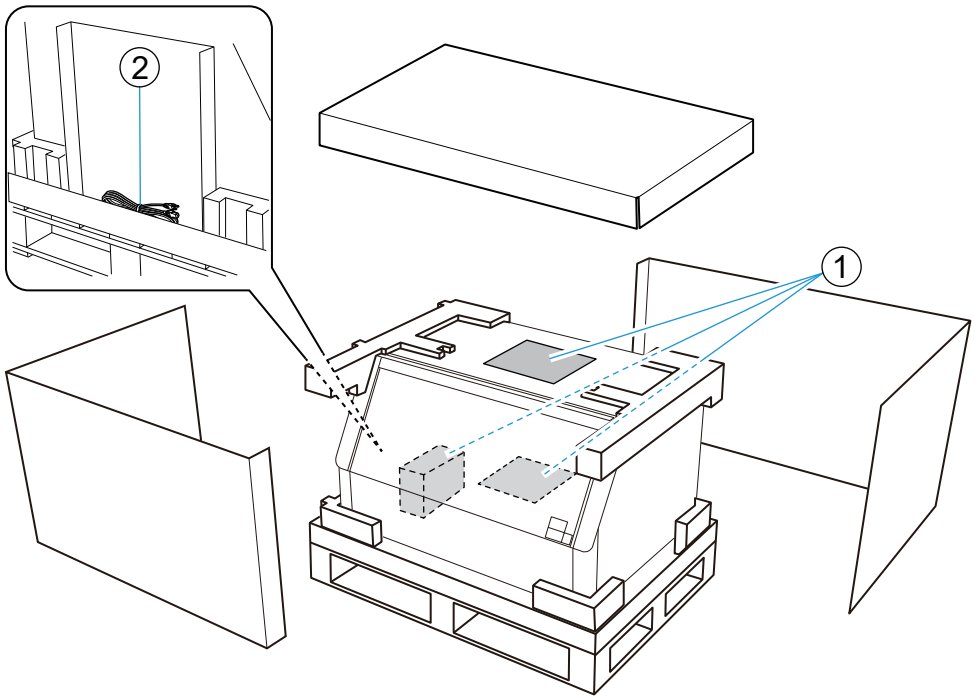
①	Included items (manuals, manual cleaning tool, cleaning liquid, cleaning sticks, etc.)
②	Power cord

Packaging Diagram (BD-12)

MEMO

Use the following link to view a reference video for this procedure. We recommend that you view this video to understand the overall flow of work.

https://vimeo.com/924894400/3e5ac0f21f

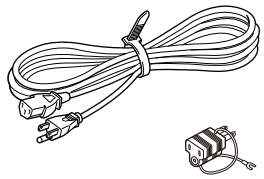
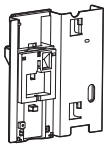
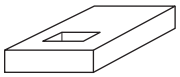
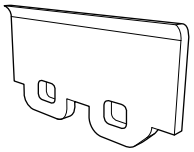
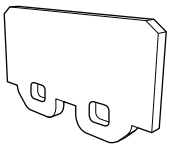
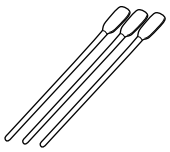
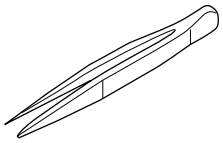
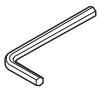
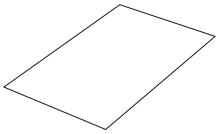
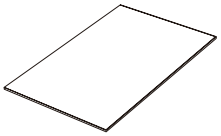
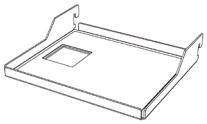
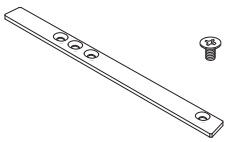
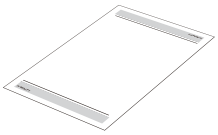
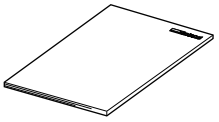
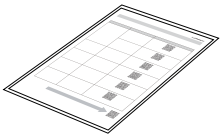
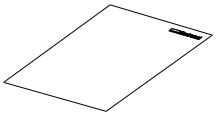


①	Included items (manuals, manual cleaning tool, cleaning liquid, cleaning sticks, etc.) *1
②	Power cord

*1 Included items are also stored inside the machine. Open the front cover and remove these included items.

Checking the Included Items

The following items are included with the machine. Make sure they are all present and accounted for.

 Power cord/power plug adapter[*1] (1 each)	 Manual cleaning tool (1)	 Manual cleaning liquid (2)	 Pad (1)
 Fixing screw for manual cleaning tool (1)	 Wiper (1)	 Felt wiper (1)	 Cleaning sticks
 Tweezers (1)	 Hexagonal wrench (1)	 Nozzle drop-out test paper (1)	 Adhesive sheet (1)[*2] (2)[*3]
 Smartphone holder (1)[*3]	 Positioning jigs (2)[*3] Positioning jig retaining screws (4)[*3]	 Quick Access Guide	 Safety Precautions
 Regular Maintenance Guidelines	 Activation Code Guidelines[*4]		

*1 Included only with 100 V specifications

*2 BD-8

*3 BD-12

*4 This may not be included depending on when you purchased the unit.

Items to be prepared

In addition to the included items, prepare the following protective gear.

- Rubber gloves (nitrile rubber recommended)
- Protective eyewear

MEMO

Protective gear is required for manual cleaning and replacing maintenance parts. Be sure to put on protective gear before performing this work.

Temperature and Humidity

Maintain the specified temperature and humidity even when the machine is not in use. Failure to do so may result in malfunction.



Temperature

20˚C to 32˚C (68˚F to 89.6˚F)

(During non-operation: 5˚C to 40˚C [41˚F to 104˚F])



Humidity

35%RH to 80%RH

(During non-operation: 20%RH to 80%RH)

* No condensation

Emplacement and Installation

Install the machine in a level, stable location offering good operating conditions. An unsuitable location can cause accidents, fire, faulty operation, or breakdown.

Environments or locations where installation is not possible

- Locations subject to large fluctuations in temperature or humidity
- Locations subject to shaking or vibration
- Locations where the floor is tilted, not level, or unstable
- Dusty locations
- Locations exposed to direct sunlight
- Locations near air-conditioning or heating equipment
- Locations exposed to water or moving air
- Locations exposed to considerable electrical or magnetic noise or other forms of electromagnetic energy

⚠ CAUTION

Unloading and emplacement are operations that must be performed by 2 persons or more.

Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

⚠ WARNING

Install the machine in a location that is level, stable, and able to bear the weight of the machine.

The total weight of the machine may reach [BD-8] 64.9 kg (143.08 lb.) or more / [BD-12] 86.8 kg (191.36 lb.) or more. Installation in an unsuitable location may cause a major accident, including tip over, fall, or collapse.

⚠ WARNING

Never install this machine outside or in any location where exposure to water or high humidity may occur.

Current leakage may cause electrical shock or fire.

⚠ WARNING

Never install the machine close to any flammable object or in a gas-filled location.

Combustion or explosion could occur.

⚠ CAUTION

Install the machine in a clean, brightly lit location.

Working in a location that is dark or cluttered may lead to an accident, such as becoming caught in the machine as the result of an inadvertent stumble.

⚠ WARNING

Position the machine so that the power plug is within immediate reach at all times.

This is to enable quick disconnection of the power plug in the event of an emergency. Install the machine next to an electrical outlet. Also, provide enough empty space to allow immediate access to the electrical outlet.

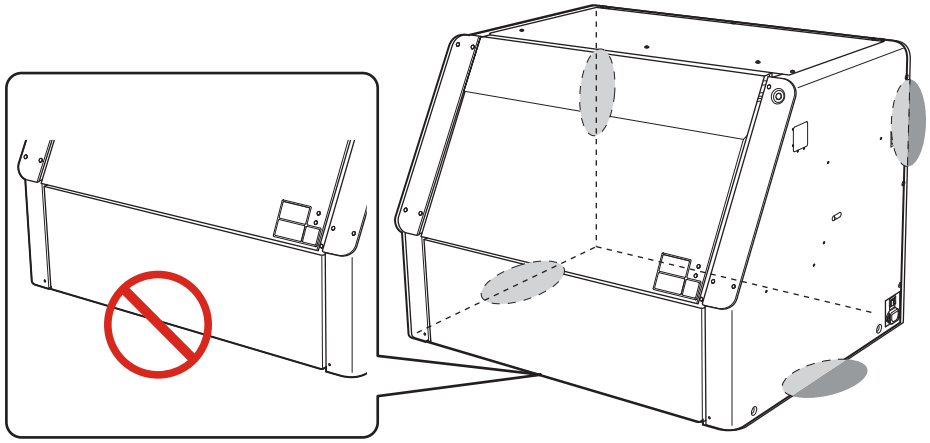
⚠ CAUTION

When lifting the machine, hold the locations shown in the figure.

Hold the circled locations when lifting the machine.

IMPORTANT

Do not hold on near the maintenance cover on the front of the machine.

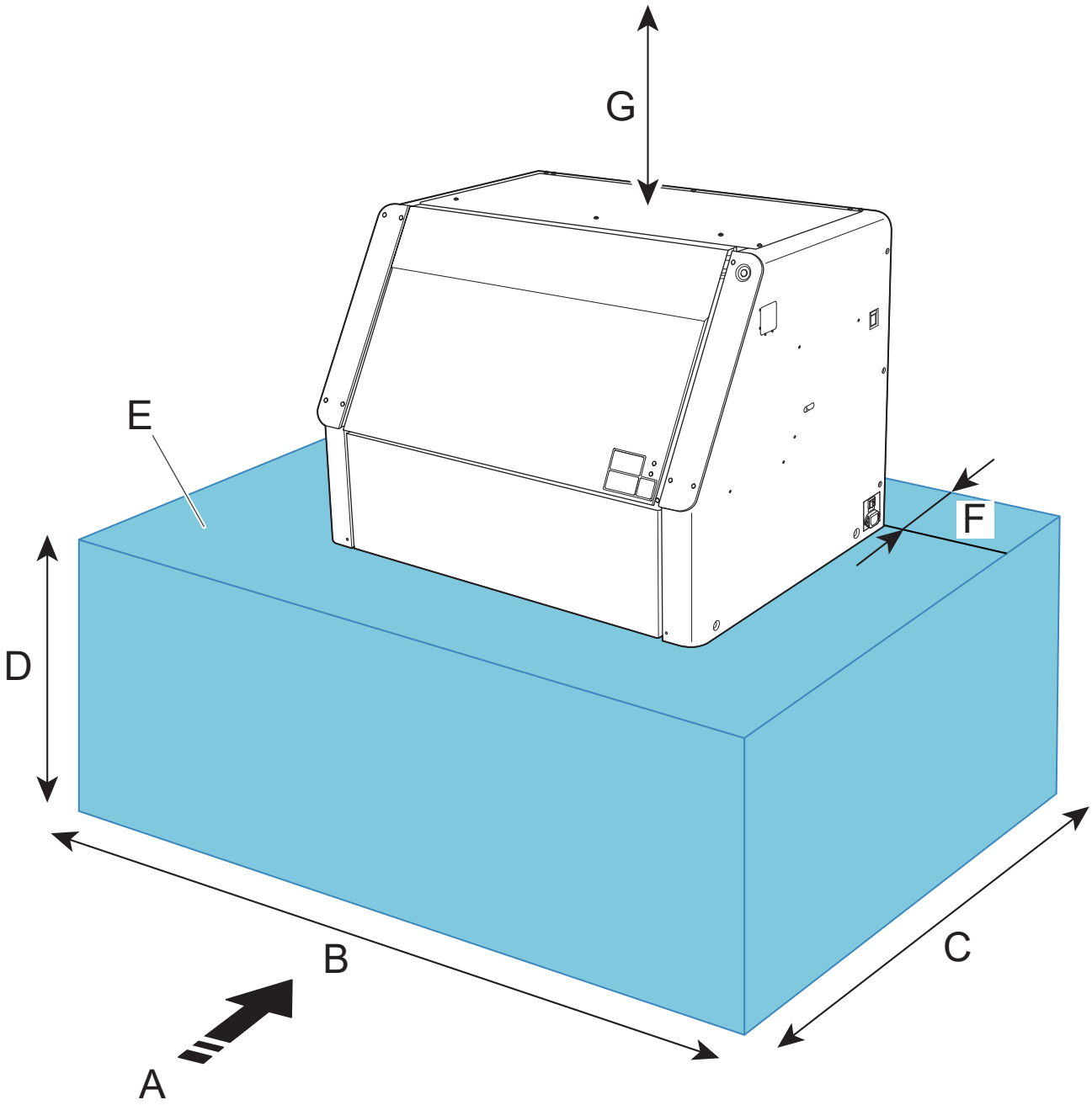


Installing the Machine

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Installation Space

The space shown in the figure is required in order to use this machine.



	BD-8	BD-12
A	Front of machine	
B	1,000 mm (39.37 in.)	1,250 mm (49.21 in.)
C	800 mm (31.5 in.)	950 mm (37.4 in.)
D	600 mm (23.63 in.) or more	
E	Work space	
F	100 mm (3.94 in.)	
G	500 mm (19.69 in.) or more	

IMPORTANT

The height of installation should be 600 mm (23.63 in.) or higher above the work floor. This machine is designed to be installed on a desktop. Install the machine in a location that allows easy access to areas such as the power switch and other controls during operation.

Step 1:Removing the Retainers

The retainers and screws are needed when transporting the machine. Store the retainers according to the following procedure.

⚠ WARNING

This work must be performed before connecting the power cord.
The power turning on inadvertently during these operations may result in pinched hands or other injury.

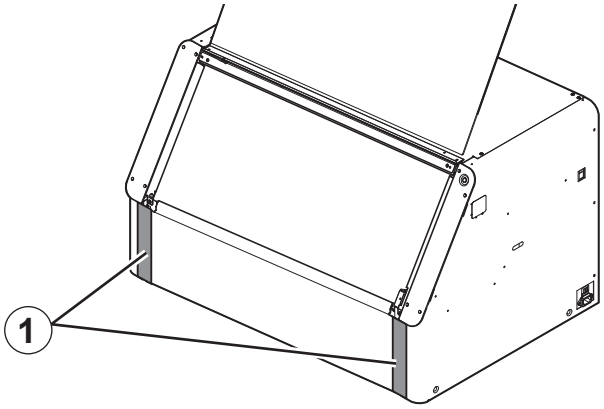
IMPORTANT

Be sure to remove the retainers and screws.
Any that remain may cause faulty operation or breakdown when the power is switched on.

Procedure

1. **Open the front cover.**

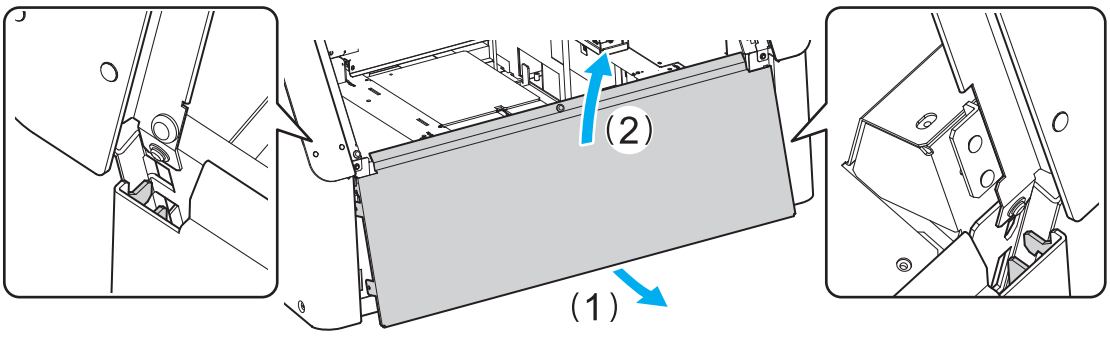
2. **BD-12 only: Remove the protective tape (①).**



3. **Remove the maintenance cover according to the following procedure.**

(1) **Hold the underside of the maintenance cover, and pull it approximately 30 mm (1.18 in.) towards you.**

(2) **Lift the maintenance cover up to remove it.**



4. **Remove the print-head carriage's retainer and the flat table's retainer.**

MEMO

If the screws fall under the flat table

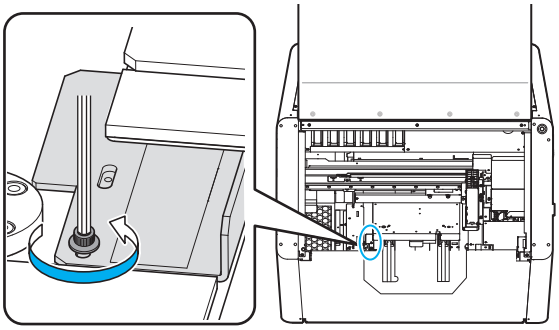
Raise the flat table using the nozzle drop-out test applied during the initial setup process. After the flat table has been raised, open the maintenance cover and pick up the screws.

Installation and Initial Settings > Initial Printer Settings > Initial Ink Filling and Initial Adjustment > Step 3: Nozzle Drop-out Test

- **Flat table**

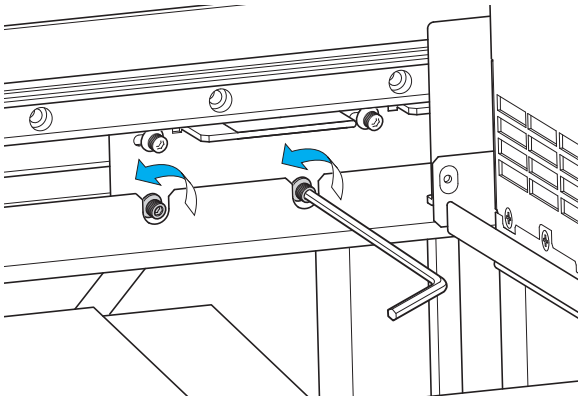
a. Remove the screw using the included hexagonal wrench.

b. Remove the flat table's retainer.

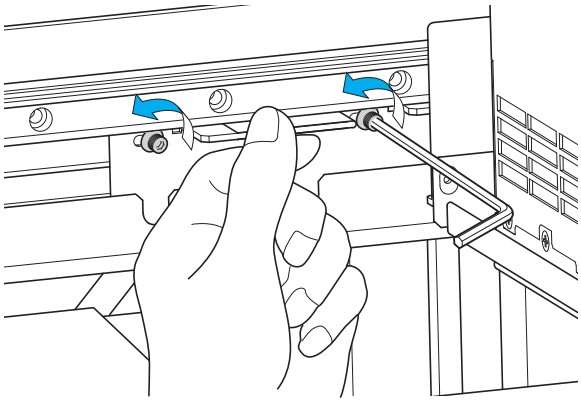


- **Print-head carriage**

a. Remove the lower screws using the included hexagonal wrench.



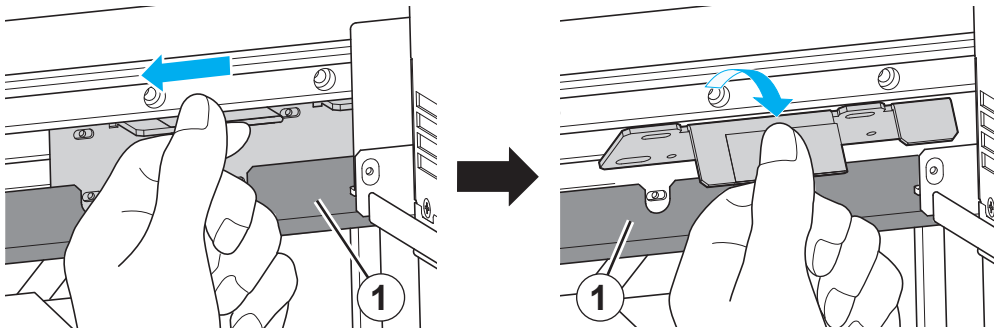
b. As shown in the following figure, remove the upper screws while supporting the retainer with your hand.



c. Remove the print-head carriage's retainer.

IMPORTANT

As much as possible, avoid touching part ① of the head gap sensor when removing the retainer.
Deformation of the head gap sensor may lead to malfunction or machine damage.

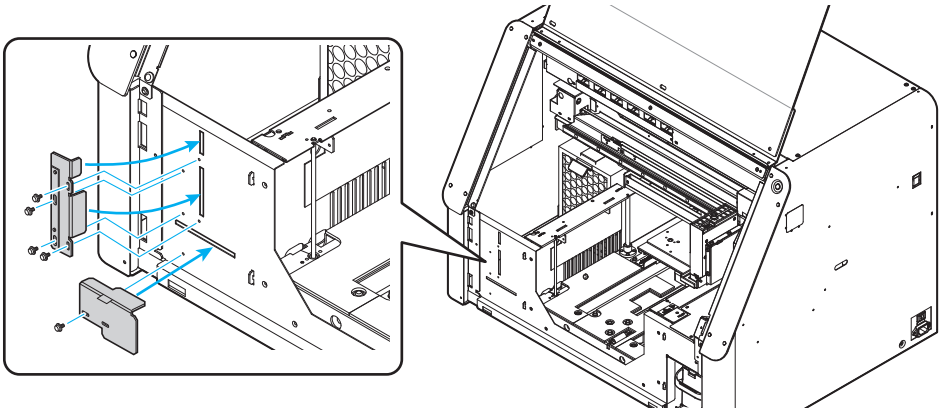


5. Attach the retainers to the printer according to the following procedure.

The shapes of the retainers and the locations where they are attached vary slightly between the BD-8 and BD-12.

(1) **Insert the protrusions on the retainers into the printer holes.**

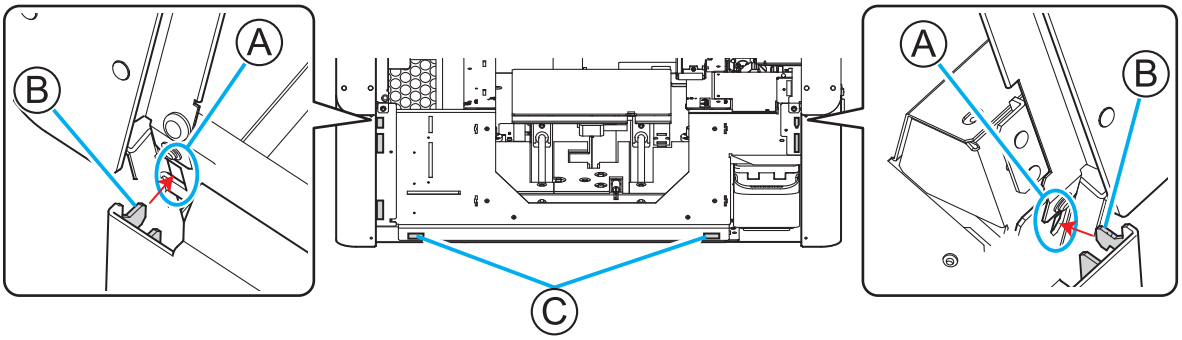
(2) **Attach the screws to fix the retainers into place.**



6. Attach the maintenance cover according to the following procedure.

(1) Insert the hooks (B) on the maintenance cover into the grooves on the left and right (A).

(2) Secure the maintenance cover in place using the magnets (C).



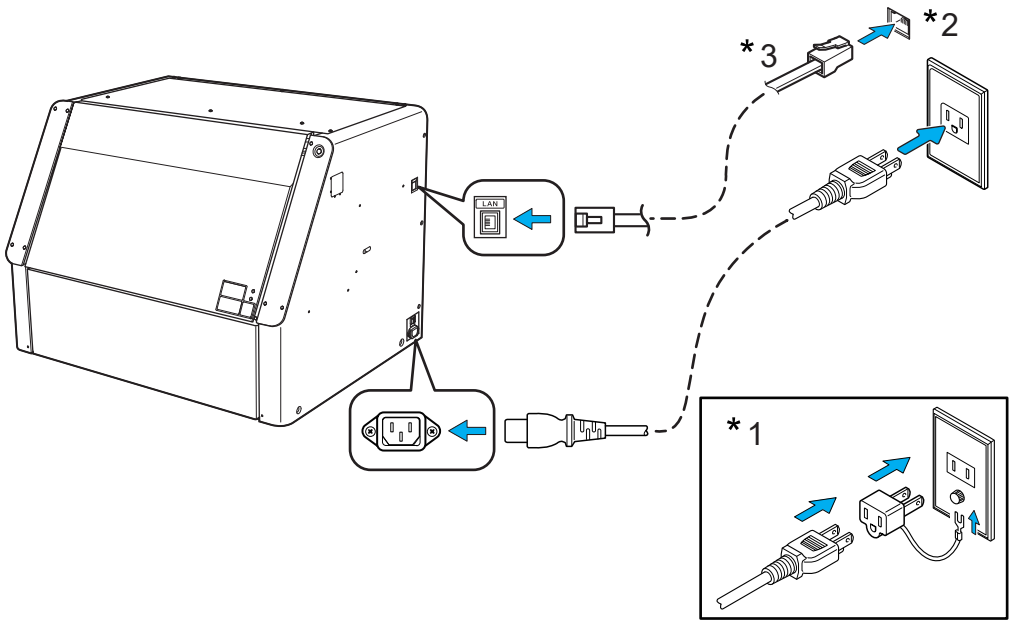
7. Close the front cover.

Step 2:Connecting the Cables

⚠ WARNING

Perform this task with all power switches left switched off.

Otherwise sudden movement of the machine may cause injury.



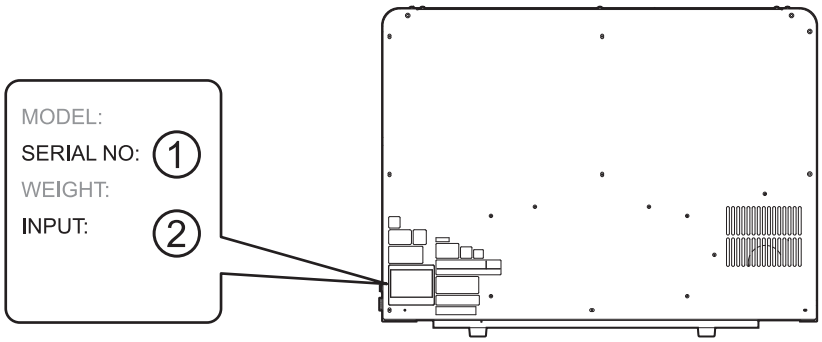
*1: Included only with 100 V specifications

*2: Ethernet (1000BASE-T recommended)

*3: Ethernet cable (Category 5e or higher)

Step 3:Location of the Power Rating and Serial Number Label

Rear



①	Serial number This is required when you seek support. Never peel off the label.
②	Power rating Use an electrical outlet that meets the requirements for voltage, frequency, and amperage given here.

Step 4:Proceeding to Software Installation

After installing this machine, install the software.

MEMO

The software installation must be performed on a computer.

If you are viewing this manual on your computer

- Click the following URL to check the software installation method.
  https://downloadcenter.rolanddg.com/contents/manuals/BD-8_INS2_EN/index.html

If you are viewing this manual on your mobile device

Use one of the following methods to view the manual on your computer.

- Enter the following URL in your computer's web browser.
  https://downloadcenter.rolanddg.com/contents/manuals/BD-8_INS2_EN/index.html
- If you are viewing this manual in HTML format, click the  icon to start your email software.
  Send the URL in an email to an address you can check from your computer.


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