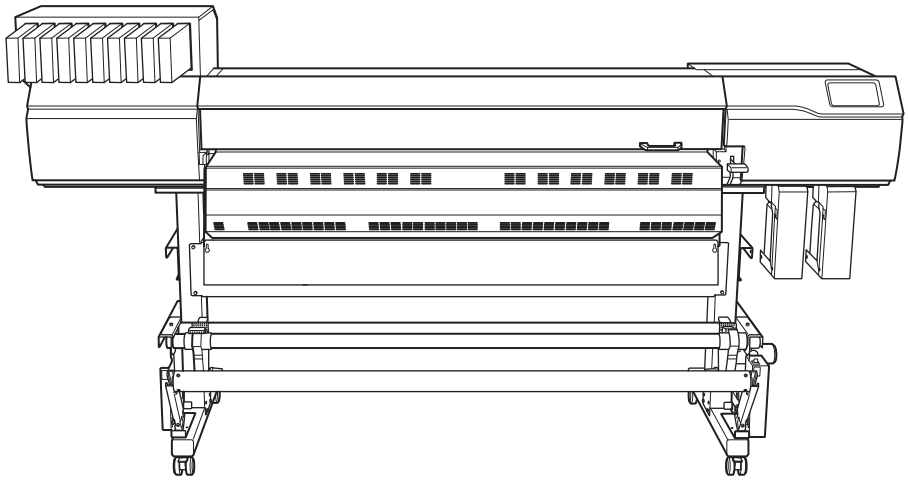
TrueVIS AG-640

Setup Guide



Thank you very much for purchasing this product.

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1. Checks before Installation

About the Documentation for This Machine

The following documentation is included with the machine.

Paper Manuals

- **Safety Precautions**

  This manual contains points that must be observed.

- **Regular Maintenance Guidelines**

  This manual provides URLs where procedures can be found for the machine's daily maintenance as well as for the maintenance that must be performed periodically.

Electronic-format Manuals

- **Setup Guide (this document)**

  This manual contains details on how to install the machine and how to configure its initial settings.

- **User's Manual**

  This manual contains details such as how to use and maintain the machine as well as an FAQ (a set of frequently asked questions).

You can view and download the electronic-format manuals from the following URL or QR code.

* You can also view and download the paper manuals.

* You can also view this website from a smartphone.

https://downloadcenter.rolanddg.com/AG-640

About Placement and Installation Work

The placement and installation of this machine must be performed by suitably qualified workers.

⚠ WARNING

Entrust operations such as transportation, unloading, and emplacement to trained professionals.
Suitable equipment and technical skills are required in handling the machine. Tasks that require undue effort may result in a major accident.

Power Supply for This Machine

The power supply voltage is 200 to 240 V. Two power cords are used: one for the printer unit and dryer 1 and one for dryer 2. Connect each power cord to a different circuit breaker when using this machine.

Maximum Current Consumption

Product total: 23 A

- Printer + dryer 1: 13 A
- Dryer 2: 10 A

Deciding On an Installation Site

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

⚠ WARNING

Install the machine in a location that is level, stable, and able to bear the weight of the machine after checking the weight of the machine in the operation manual on the installation of the machine.

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

Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard due to ink fumes.

Unsuitable installation sites

- 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

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.

- **During operation: Temperature: 20°C to 30°C (68°F to 86°F), humidity: 20%RH to 80%RH (no condensation)**
- **During non-operation: Temperature: 5°C to 40°C (41°F to 104°F), humidity: 10%RH to 80%RH (no condensation)**

IMPORTANT

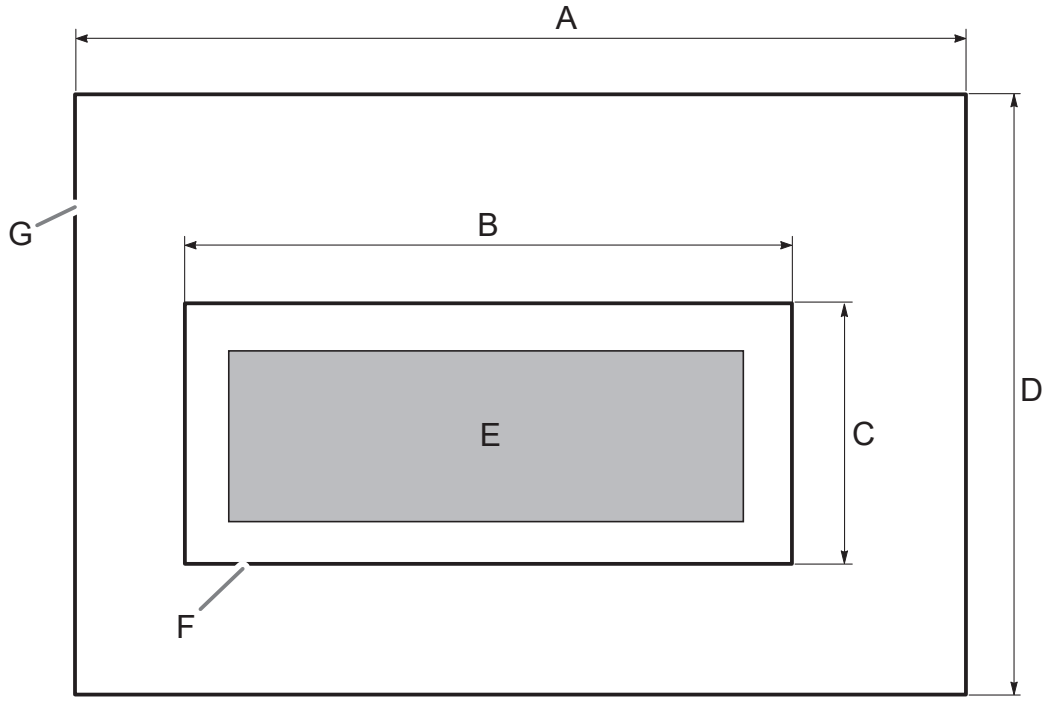
Recommended environment

There may be differences in print quality depending on the type of media. Printing in the following environment is recommended.

- **Temperature: 20°C to 25°C (68°F to 77°F), humidity: 40%RH to 60%RH (no condensation)**

Installation Space

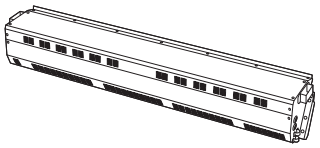
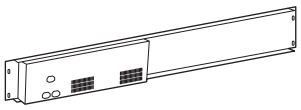
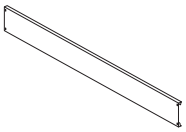
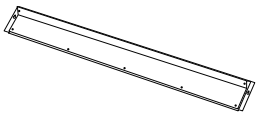
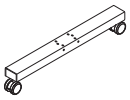
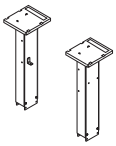
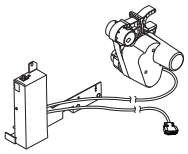
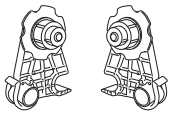
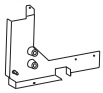
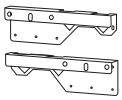
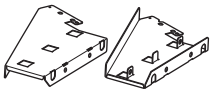
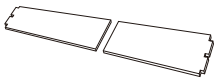
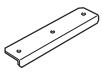
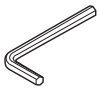
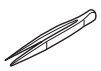
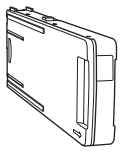
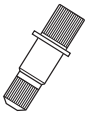
The space shown in the figure is required in order to use this machine.

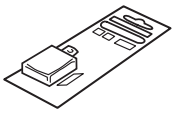
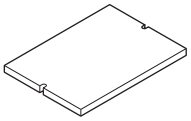
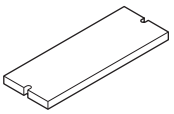
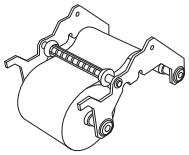
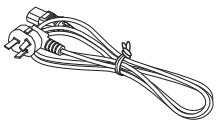
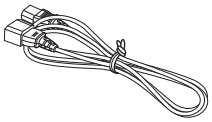
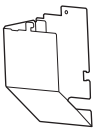
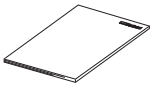


A	4,500 mm (177.17 in.)
B	3,500 mm (137.8 in.)
C	1,000 mm (39.37 in.)
D	2,000 mm (78.74 in.)
E	Unit
F	Unit space
G	Work space

2. Checking the Included Items

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

 Dryer unit (1)		 Stand stay (with dryer controller and power supply unit; 1)	
 Extension apron (1)		 Extension cover (1)	
 Dancer roller (1)	 Casters (2)	 Stand legs (1 each for right and left)	 Shafts (4)
 Control box and motorized media holder (1)	 Media holders (1 each for right and left)	 Left media holder (1)	 Left stay (1)
 Arm A (2 each for right and left)	 Arm B (2)	 Insulating materials for extension apron (1 each for right and left)	 Insulating materials for arm B (2)
 Drain bottle stand (2)	 Drain bottles (2)	 Shaft clamps (4)	 Media stays (2)
 Drain tubes (4)	 Hexagonal wrench (1)	Pipe (1)	 Cleaning sticks
 Tweezers (1)	 Ink cartridge labels (1)*1	 Ink/cleaning cartridges (11)*2	 Blade holder (1)

 Blade (1)	 Pin (1)	 Replacement blade for separating knife (1)	 Cleaning liquid (1)
 Flushing sponge: for color (1)	 Flushing sponge: for optimizer (1)	 Wiper (1)	 Cable clamps (14)
 Cable ties (6)	 Power cords (2)	 Relay power cord (1)	 Connector cover (1)
 Bolts (85)	 Tubes (4)	 Tube joints (8)	 Paper tube (1)
 Manuals			

*1 An optimizer label is already affixed to each optimizer cartridge.

*2 There are two cartridges dedicated to optimizer. Ink labels are already affixed to these cartridges.

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1. Assembly and Ink Filling

Checks before Operations

⚠ WARNING

Entrust operations such as transportation, unloading, and emplacement to trained professionals.

Suitable equipment and technical skills are required in handling the machine. Tasks that require undue effort may result in a major accident.

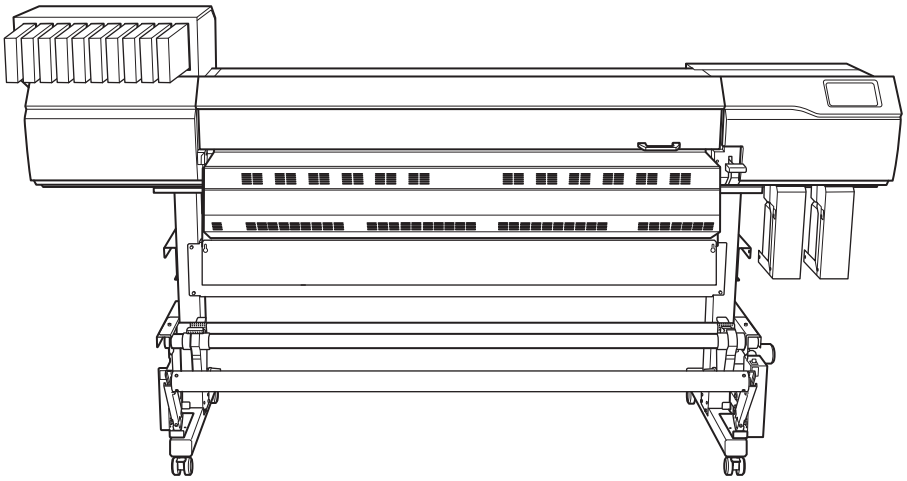
⚠ CAUTION

Unloading and emplacement are operations that must be performed by 6 persons or more.

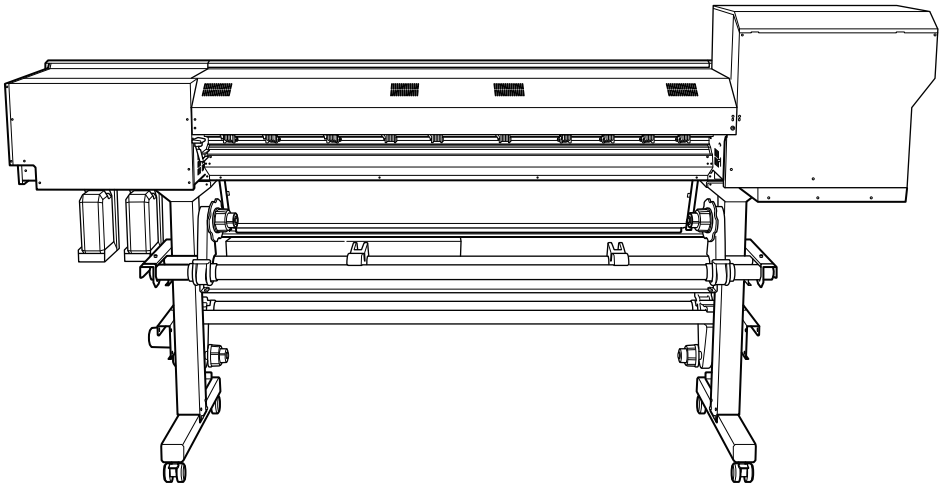
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Completed Drawing

Front



Rear



Necessary Tools (Included Items)

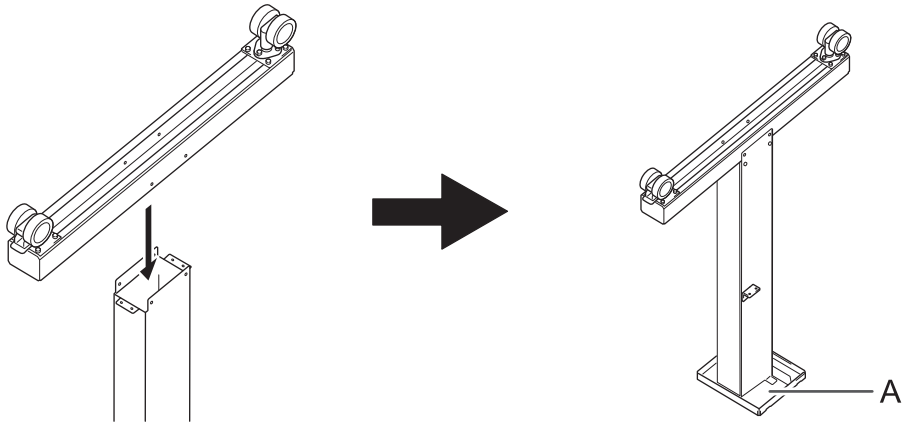
- Hexagonal wrench (1)
- Pipe (Use this when the hexagonal wrench is too short to easily tighten bolts) (1)

Step 1: Assembling the Stand

Procedure

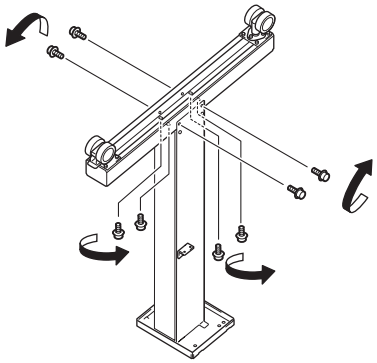
1. **Place the caster on the stand leg.**

Place the stand leg with the tabletop plate (A) facing down, and then place the caster on top of the stand leg. The casters have no particular front and rear orientation.

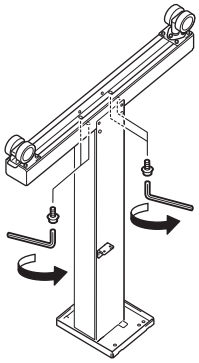


2. **Use eight bolts to secure the caster.**

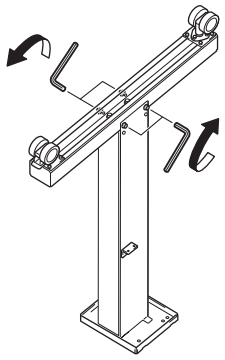
(1) **Temporarily tighten the bolts in the four lower locations and then in the four locations on the sides.**



(2) **Fully tighten the bolts in the four lower locations.**



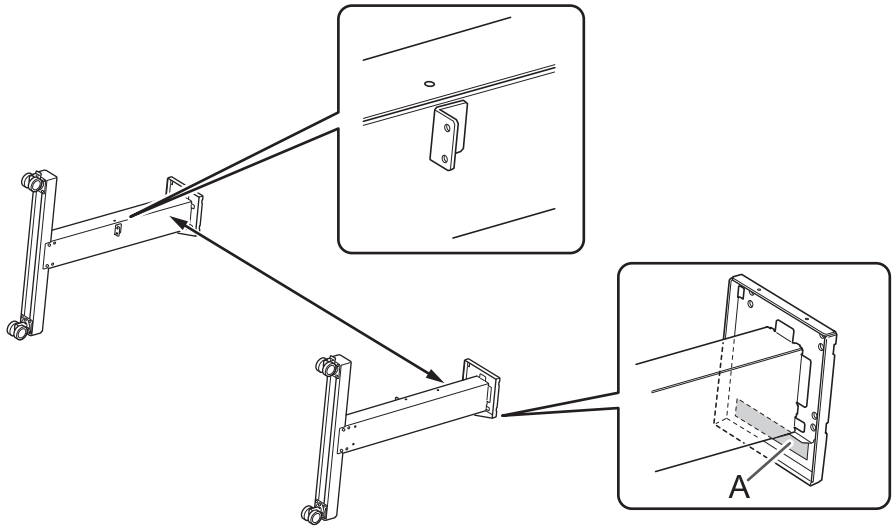
(3) **Fully tighten the bolts in the four locations on the sides.**



3. **Assemble the opposing stand leg by following the same procedure from step 1 to step 2.**

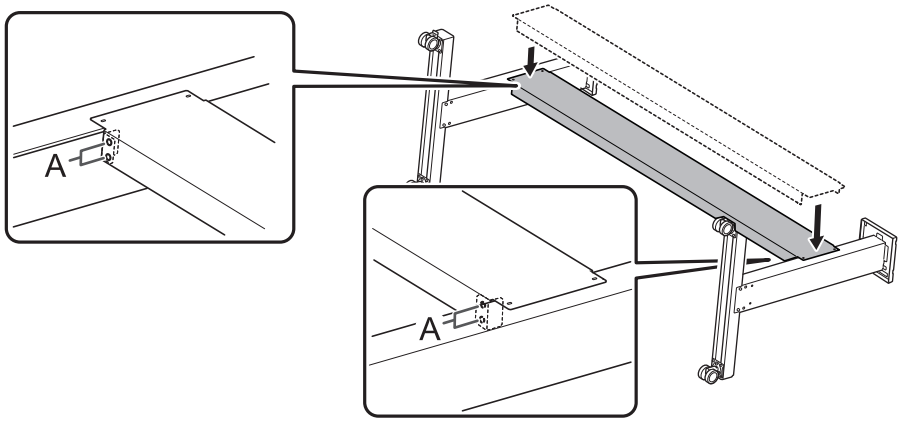
4. **Position the left and right stand legs parallel to each other and separated by approximately 1,800 mm (70.87 in.).**

Position the legs so that the L-shaped brackets face the inside and the side of the tabletop plate with the hole (A) faces down for each leg.



5. **Place the stand stay (with dryer controller) on the stand legs.**

Position the stand stay with attachment holes (A) toward the casters.



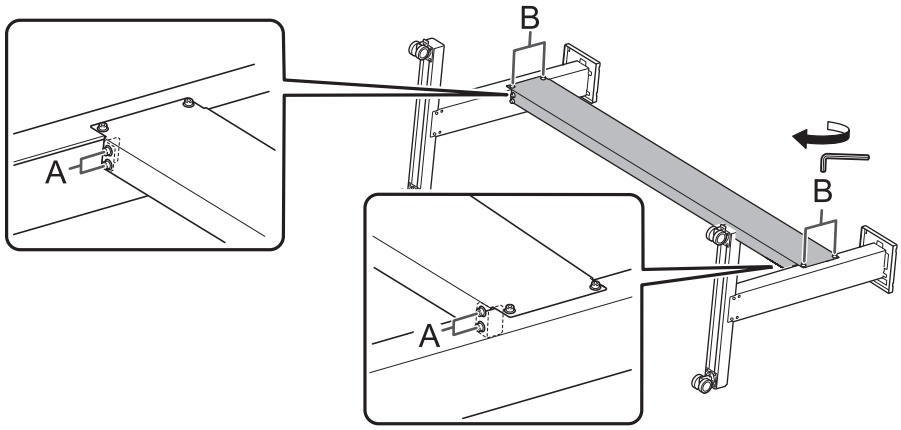
6. **Use eight bolts to secure the stand stay.**

(1) **Temporarily tighten the bolts in the four locations indicated with A followed by the four locations indicated with B.**

(2) **Fully tighten the bolts in the four locations indicated with A.**

(3) **Fully tighten the bolts in the four locations indicated with B.**

Tighten the bolts securely. Loose bolts may cause the stand to wobble.



7. **Set the stand upright.**

IMPORTANT

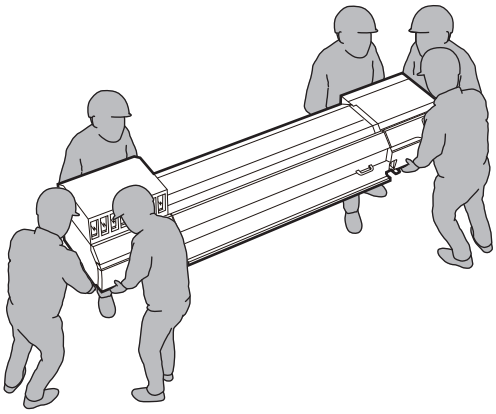
Be sure to perform this operation with two workers, each one holding one stand leg. If only one worker performs this operation, the stand stay may bend.

Step 2: Attaching the Printer Unit and the Stand

Procedure

1. **With six or more workers, lift up the printer unit.**

> ⚠ CAUTION
>
> **Unpacking and installation must be carried out by 6 persons or more.**
> Failure to observe this instruction may cause the machine to fall over, resulting in injury.

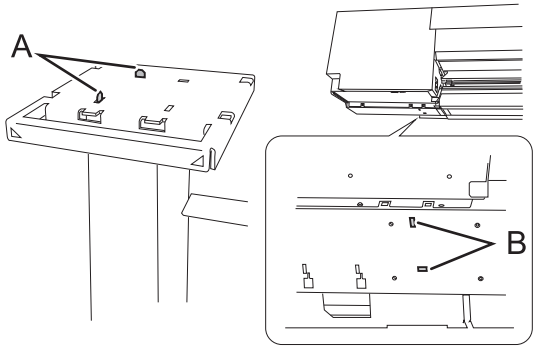


2. **Move the stand under the printer unit.**

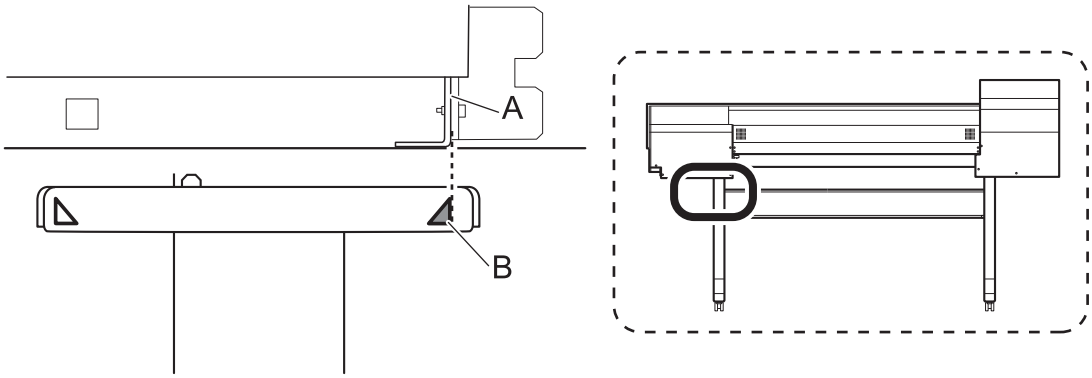
The stand must be moved by a worker other than those indicated in step 1.

3. **Align the printer unit and the stand.**

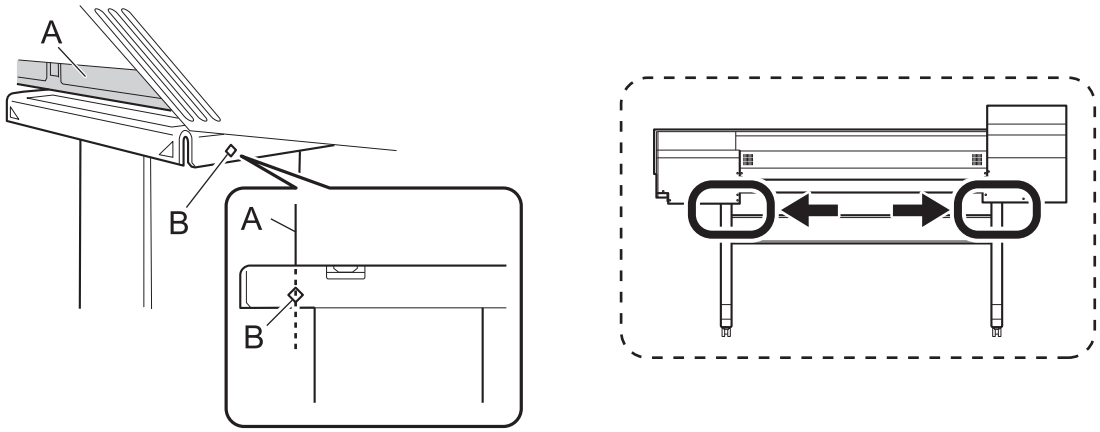
> IMPORTANT
>
> There are protrusions (A) on the tabletop plate. Inserting these protrusions into the slits (B) on the printer unit allows for alignment to the front, back, left, and right. After aligning these items, place the printer unit on the stand.



(1) **Align the surface of the printer unit (A) and the vertical line of the triangle mark (B) on the stand as seen from the rear of the printer. (Align the left and right sides.)**



(2) **Align the surface of the printer unit (A) and the center position of the rhombus mark (B) on the stand as seen from the inside to the outside. (Align the front and rear sides.)**



4. **Place the printer unit on the stand.**

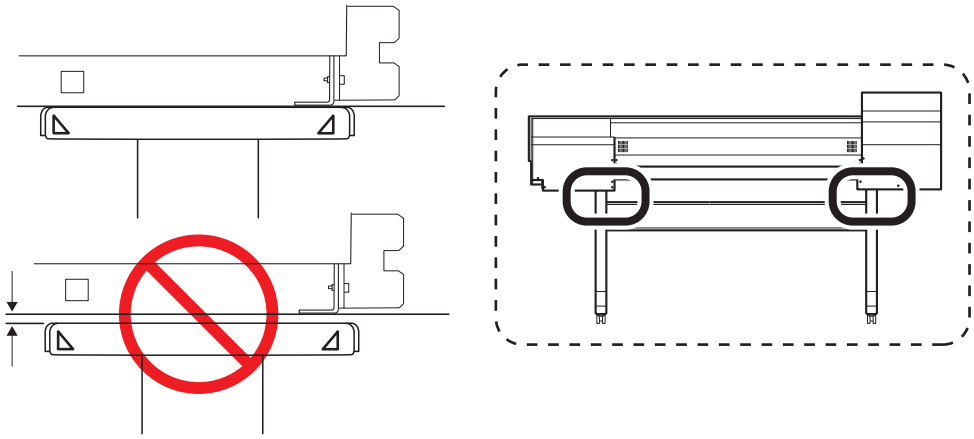
IMPORTANT

Be sure to have workers support the printer unit until the temporary tightening of bolts in step 6. This unit may fall over if it is released before being fixed in place with bolts in step 6.

5. **Make sure there are no gaps between the tabletop plates of the left and right stands and the printer unit.**

MEMO

The printer's center of gravity is at its back, so there may be a gap at the front of the printer.

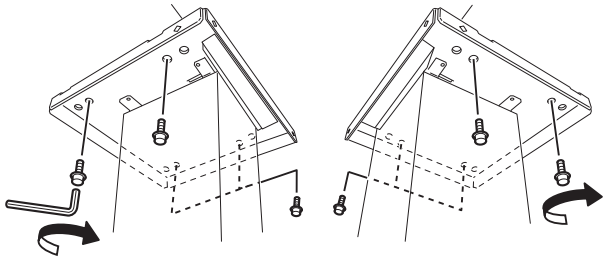


6. Secure the printer unit on the stand.

(1) Lift the back of the printer up slightly to make it level.

(2) Temporarily tighten the eight bolts.

(3) Fully tighten the eight bolts.



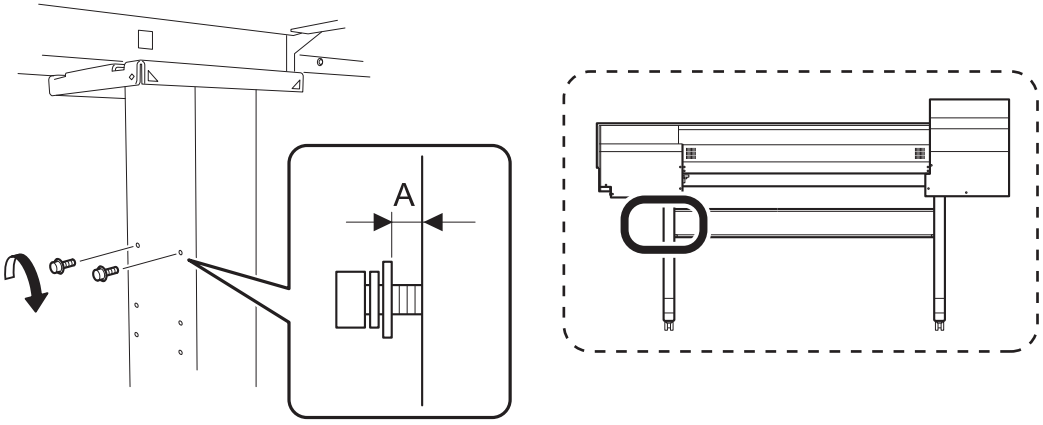
Step 3: Installing the Media Holders and Media Stays

1. Attach arm A.

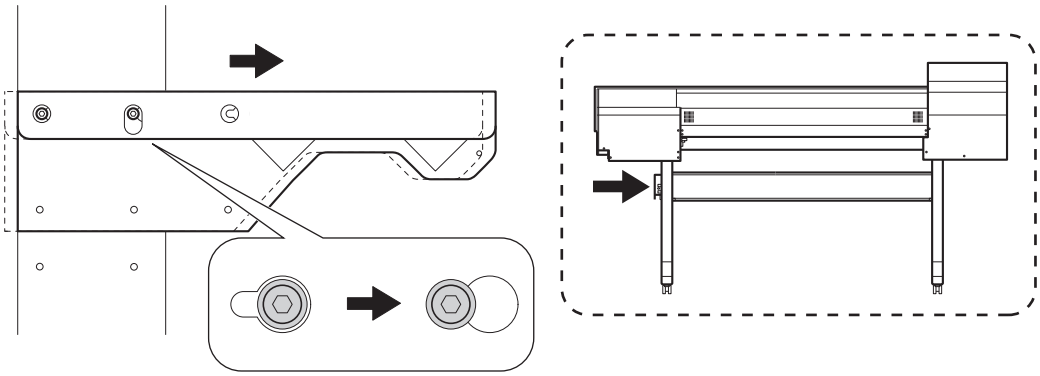
Procedure

1. **Temporarily tighten the bolts on the left stand as seen from the rear of the printer.**

Tighten the bolts in the holes on the side of the stand until you can see approximately 5 mm (0.2 in.) of their threads (A).

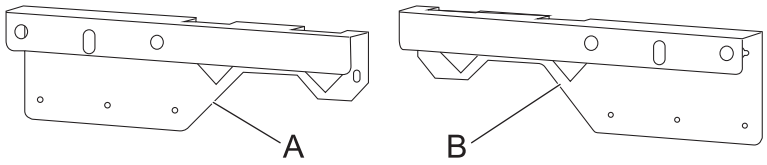


2. **Attach arm A (left) to the temporarily tightened bolts, and then slide this arm to the right.**



MEMO

There are two different arm A parts: left (A) and right (B). Attach them on the correct sides.



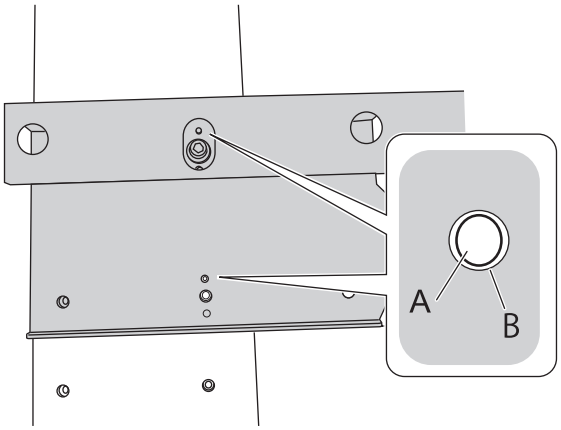
3. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

MEMO

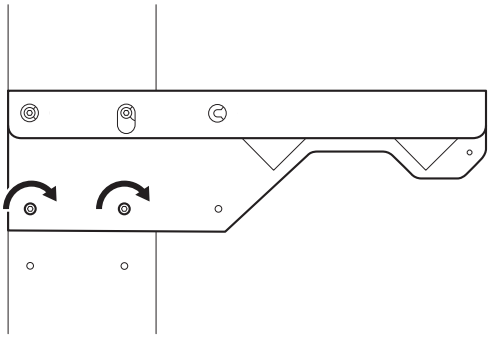
Hold the pieces together so there is no gap between arm A (left) and stand when tightening the bolts.

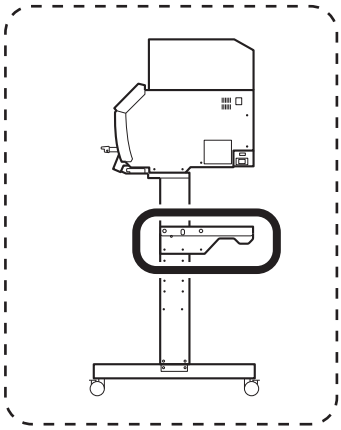
4. **Make sure the protrusion on the stand leg (A) is in the center of the hole on arm A (B).**

Move arm A to the left and right until this protrusion is centered.

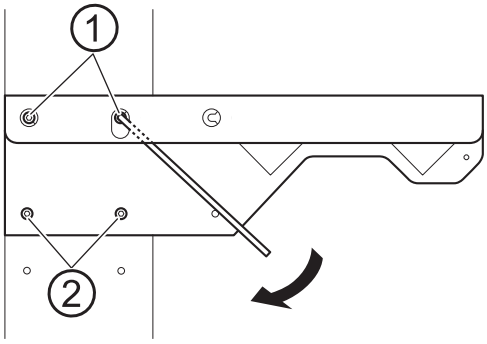


5. **Temporarily tighten the bolts at the bottom of arm A (left).**





6. **Use a hexagonal wrench to fully tighten the upper bolts ① followed by the lower bolts ②.**

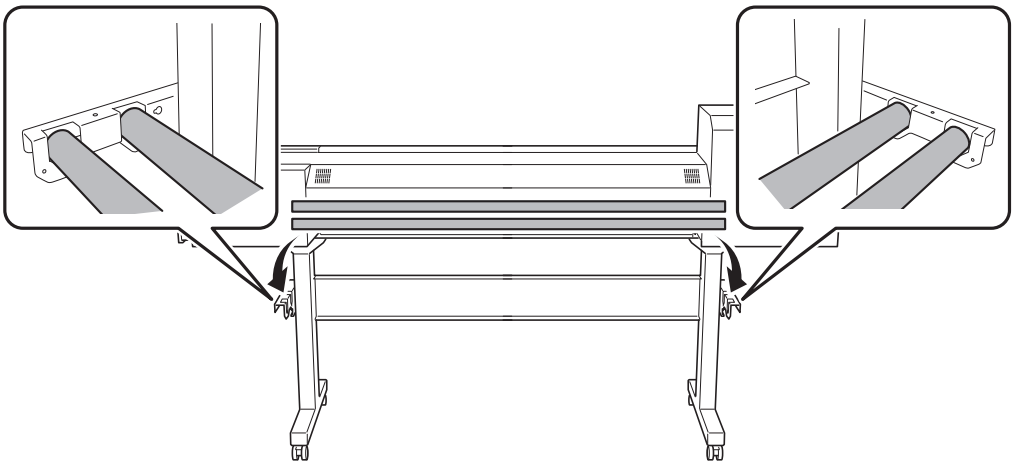


7. **In the same manner, attach arm A (right) to the right side as seen from the rear of the printer.**

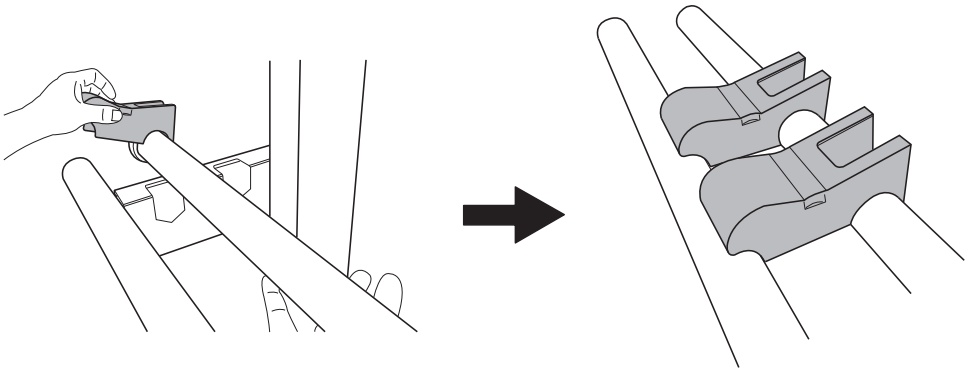
2. Attach the media holders.

Procedure

1. Place the two shafts on the arms.



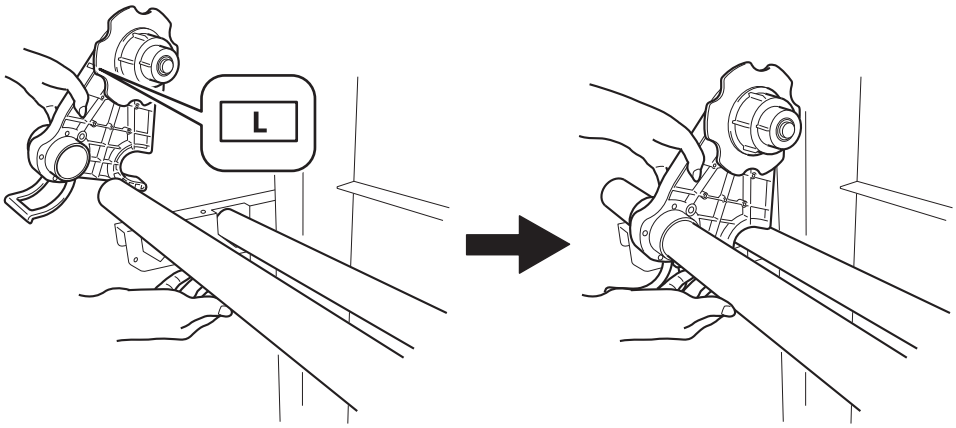
2. Pass the rear shaft through the two media stays.



3. Attach the left media holder.

(1) Pass the front shaft through the left media holder.

(2) Catch the left media holder on the rear shaft.

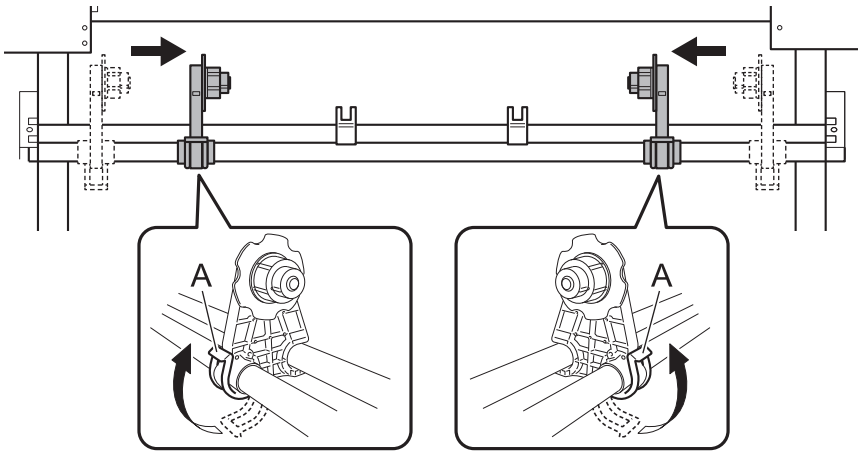


4. Attach the right media holder in the same manner.

Use the media holder with an R label.

5. **Raise the levers (A) to secure the left and right media holders.**

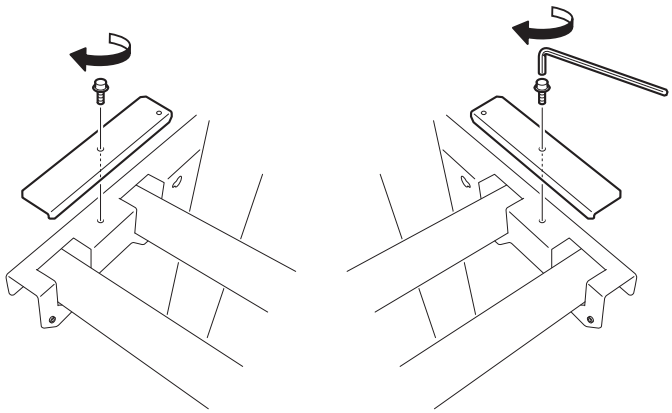
Position the media holders approximately 100 mm (3.94 in.) from the edges.



6. **Attach the shaft clamps, securing the shafts with two bolts.**

MEMO

Ensure the media holders do not get caught in the shaft clamps.



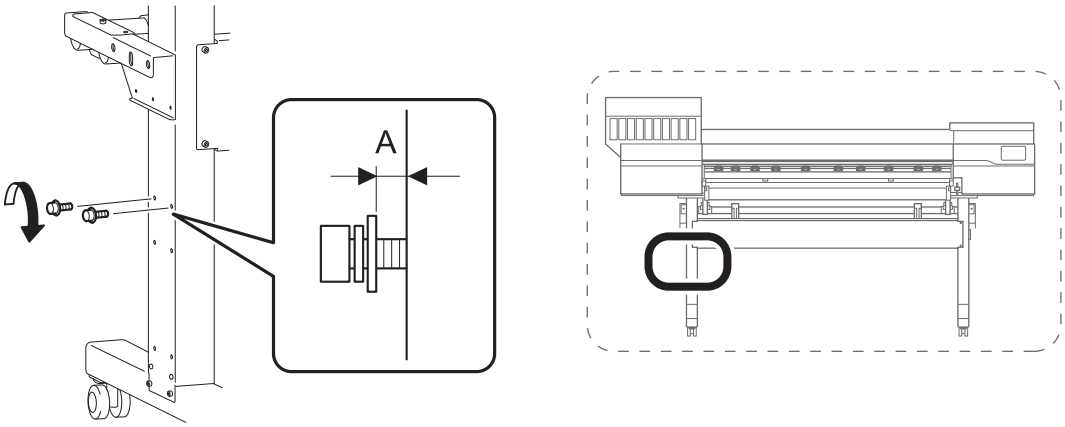
Step 4: Assembling the Media Take-up Unit

1. Attach arm A.

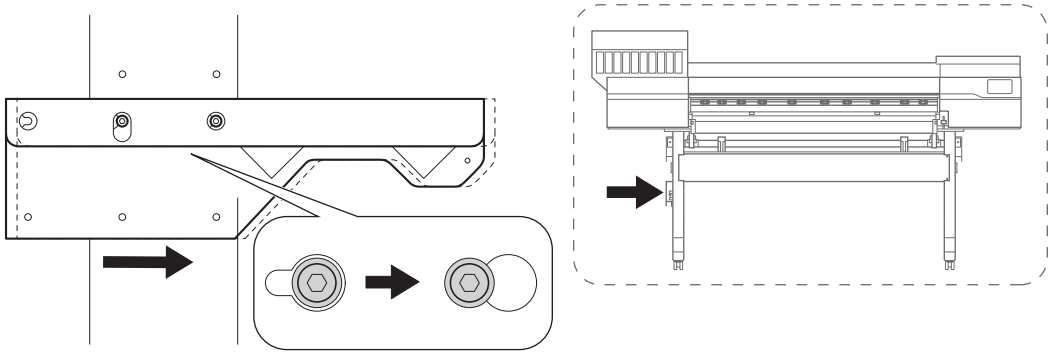
Procedure

1. **Temporarily tighten the bolts on the left stand as seen from the front of the printer.**

Tighten the bolts in the holes on the side of the stand until you can see approximately 5 mm (0.2 in.) of their threads (A).

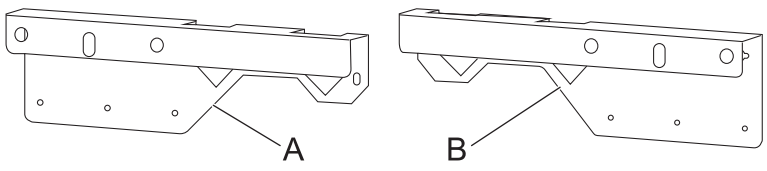


2. **Attach arm A (left) to the temporarily tightened bolts, and then slide this arm to the right.**



MEMO

There are two different arm A parts: left (A) and right (B). Attach them on the correct sides.



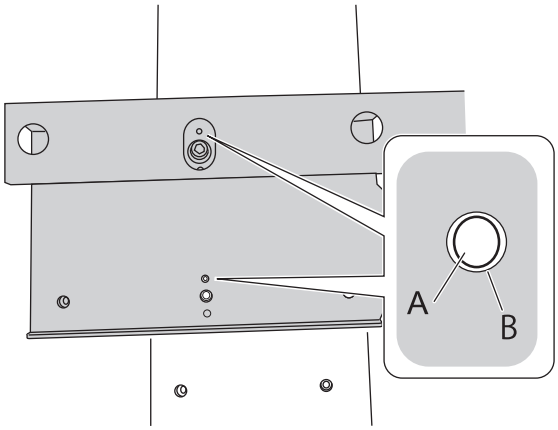
3. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

IMPORTANT

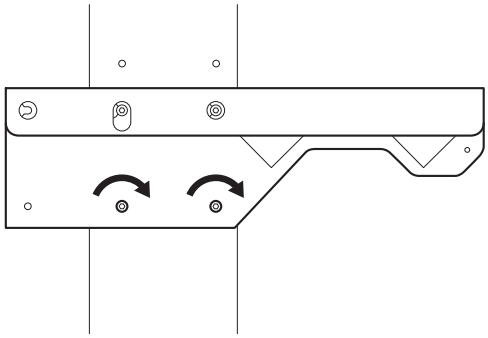
Hold the pieces together so there is no gap between arm A (left) and stand when tightening the bolts.

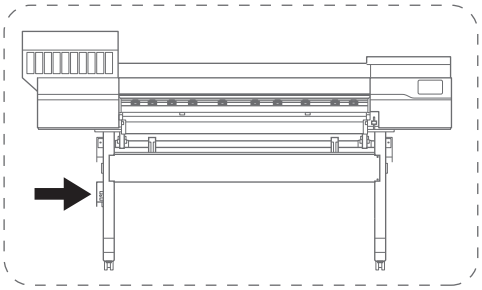
4. **Make sure the protrusion on the stand leg (A) is in the center of the hole on arm A (B).**

Move arm A to the left and right until this protrusion is centered.

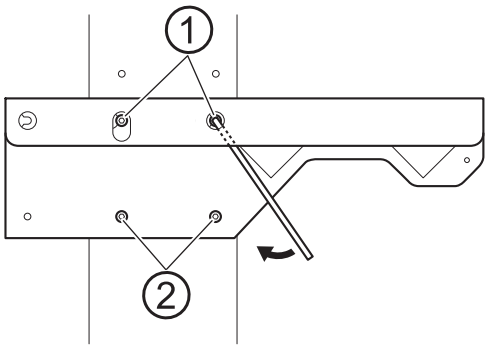


5. **Temporarily tighten the bolts at the bottom of arm A (left).**





6. **Use a hexagonal wrench to fully tighten the upper bolts ① followed by the lower bolts ②.**



7. **In the same manner, attach arm A (right) to the right side as seen from the front of the printer.**

2. Attach the control box and the left stay.

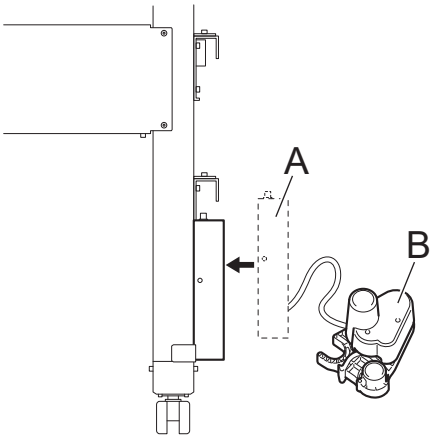
Procedure

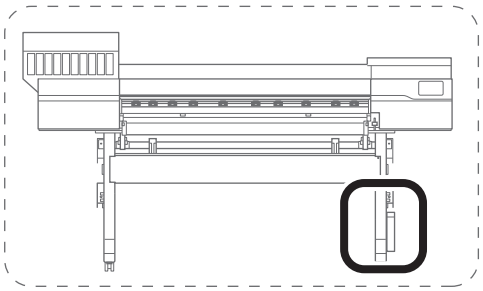
1. **Place the control box (A) on the right stand leg.**

Assemble the motorized media holder (B) by passing it through the rear of the right stand leg. Place the holder outside the machine.

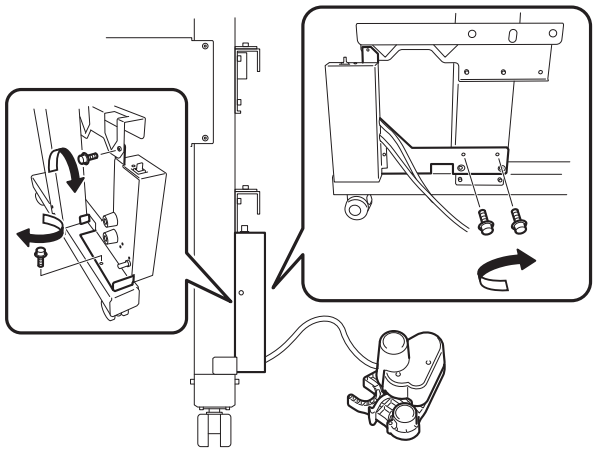
IMPORTANT

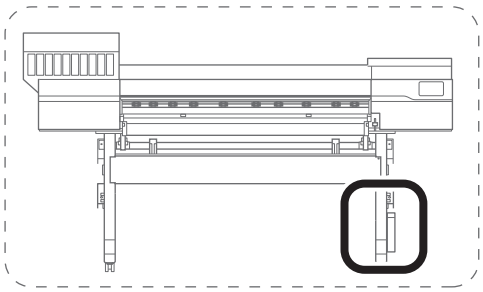
The control box (A) and the motorized media holder (B) are connected with a wire. Do not subject this wire to excessive force.





2. **Temporarily tighten the four bolts shown in the figure.**



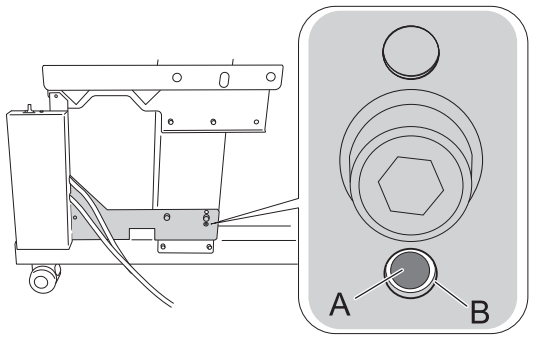


3. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

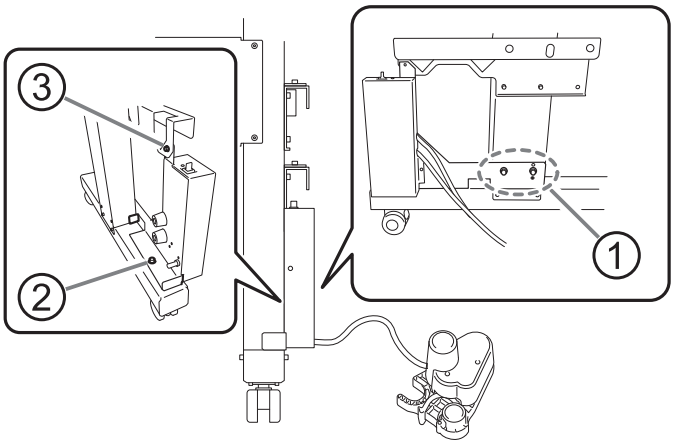
Hold the pieces together so there is no gap between the outside surface of the stand leg and the control box stay when tightening the bolts.

4. **Make sure the protrusion on the stand leg (A) is in the center of the hole on the control box stay (B).**

Move the control box until this protrusion is centered.



5. **Fully tighten the bolts in the order of ①, ②, ③.**

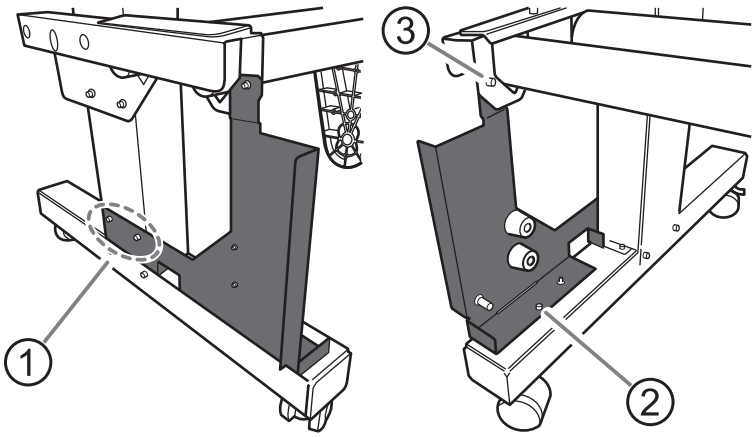


6. **Place the left stay on the left stand leg in the same manner as the control box.**

7. **Temporarily tighten the four bolts on the left stay.**

> **IMPORTANT**
>
> After temporarily tightening the bolts, position the stay in the same manner as the control box.

8. **Fully tighten the four bolts in the same order as the control box.**

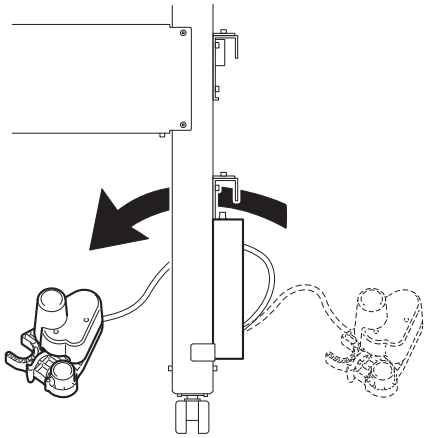


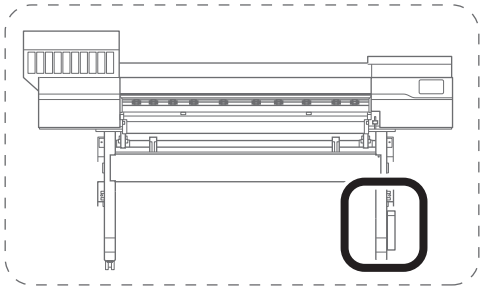
3. Attach the media holders.

Procedure

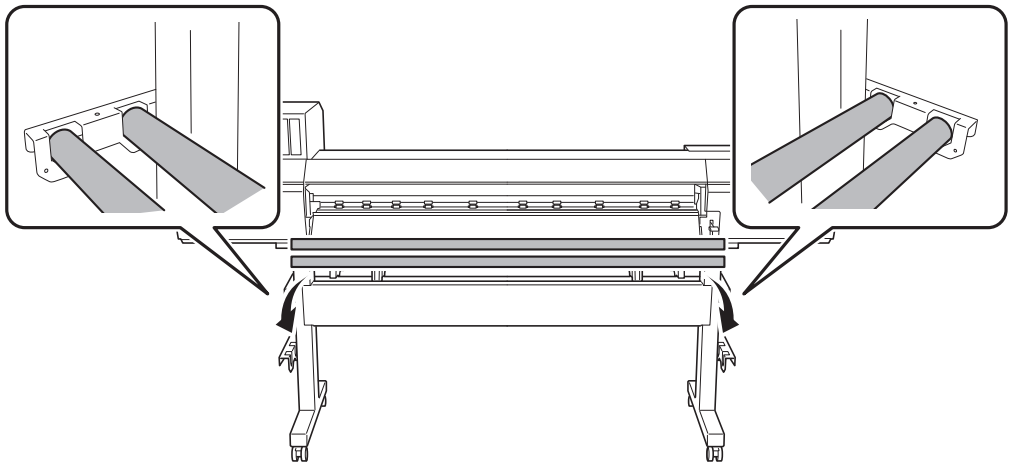
1. **Position the motorized media holder as shown in the figure.**

Be sure to pass this holder behind the stand.





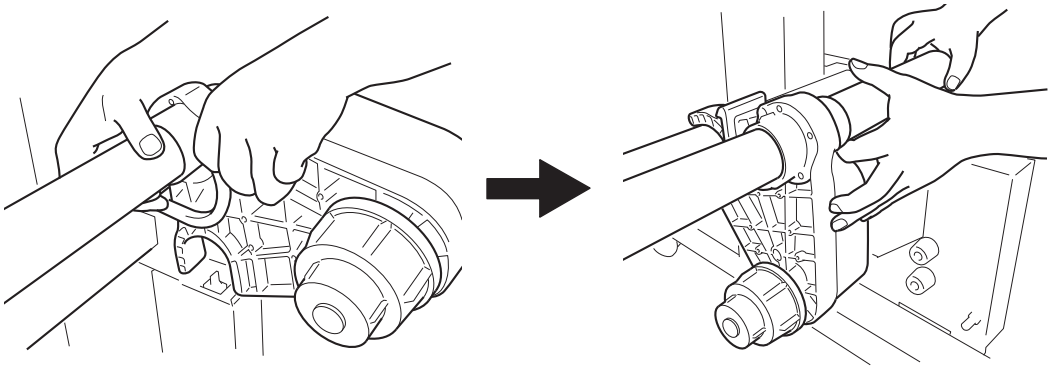
2. **Place the two shafts on arm A.**



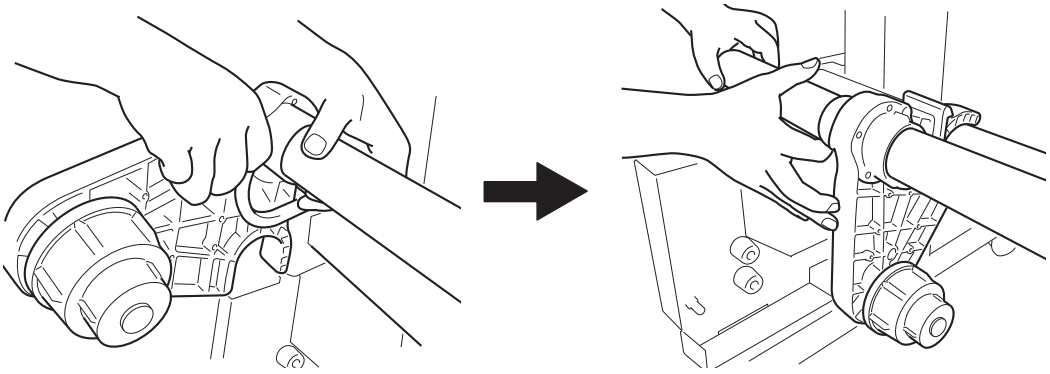
3. **Pass the shaft through the motorized media holder.**

(1) **Pass the front shaft through the motorized media holder.**

(2) **Catch the motorized media holder on the rear shaft.**

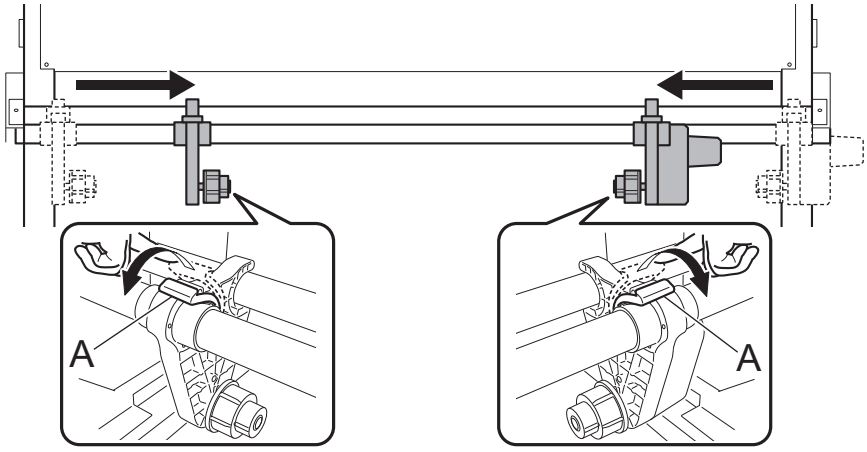


4. **In the same manner, pass the shaft through the left media holder on the left side of the printer as seen from its front.**



5. **Lower the levers (A) to secure the left and right media holders.**

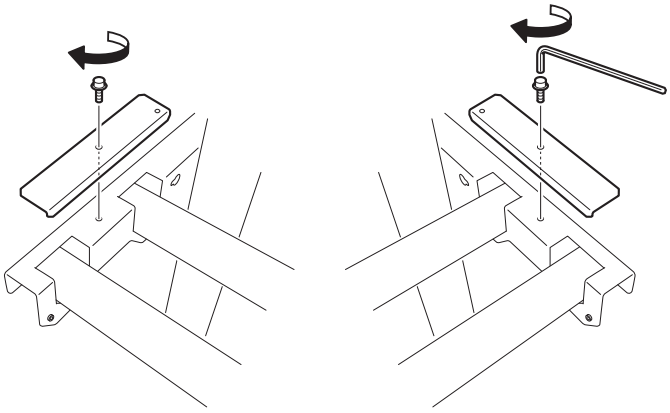
Leave approximately 100 mm (3.94 in.) of space from the edges.



6. **Attach the shaft clamps, securing the shafts with two bolts.**

IMPORTANT

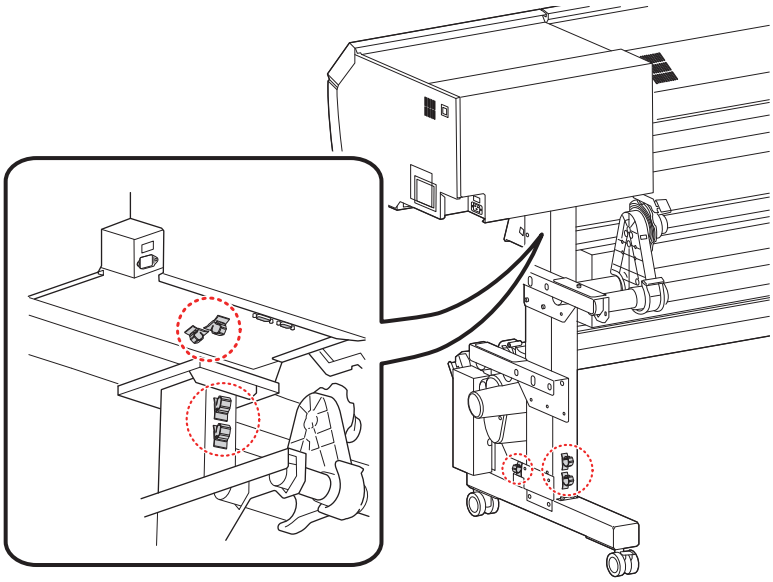
Ensure the media holders do not get caught in the shaft clamps.



4. Attaching the Cable Clamps and the Cable

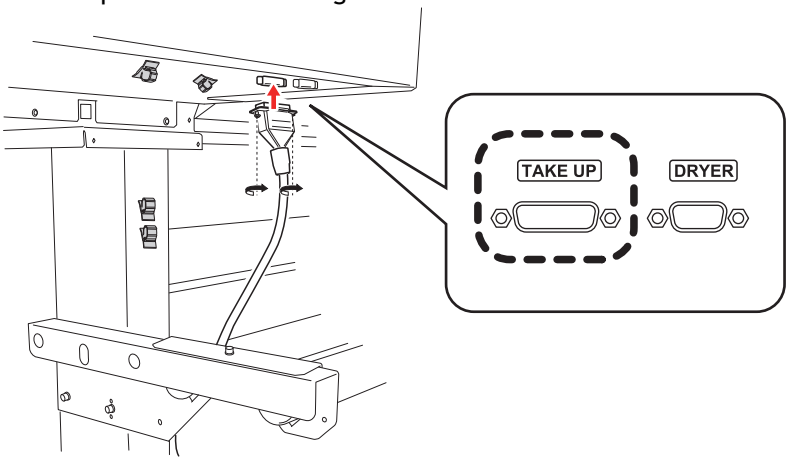
Procedure

1. **Attach seven cable clamps to the positions shown in the figure.**

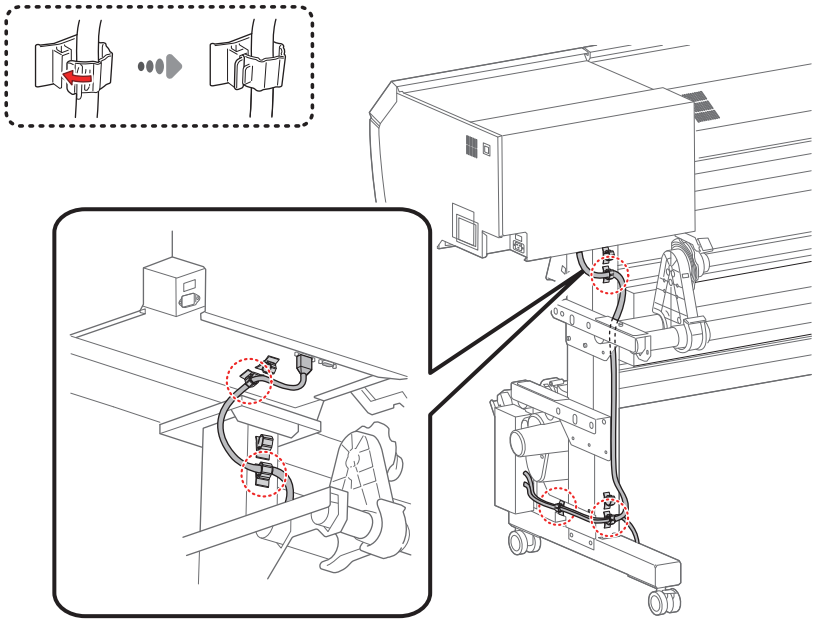


2. **Connect the control box cable to the [TAKE UP] connector on the unit.**

- Pass the cable along the inside of the arm.
- Use a number 1 Phillips screwdriver to tighten the connector screws.



3. **Secure the cable with four cable clamps.**



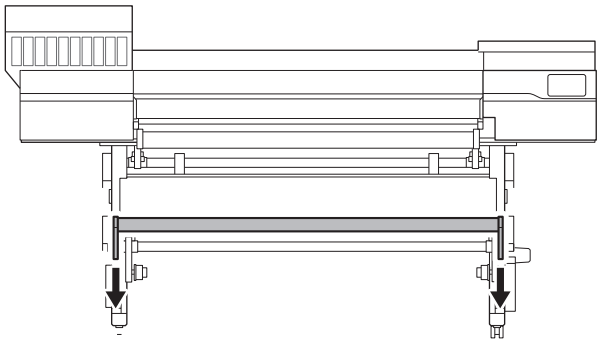
5. Install the dancer roller.

Procedure

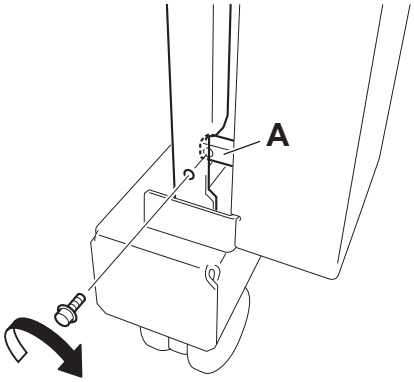
1. **Raise the dancer roller and place it on the stand legs.**

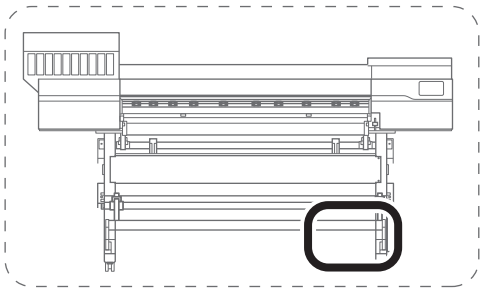
MEMO

The dancer roller has no particular front and rear orientation.



2. **On the right side of the dancer roller, bring the flat surface of the shaft (A) toward you, and then temporarily tighten the bolt.**

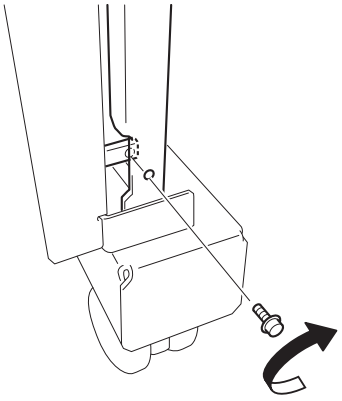


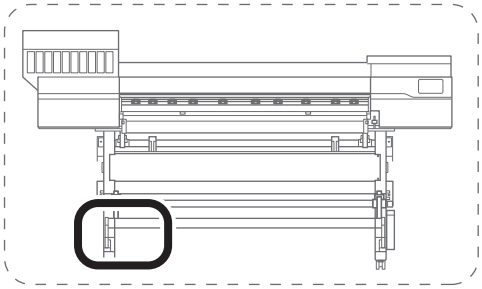


3. **On the left side of the dancer roller, temporarily tighten the bolt.**

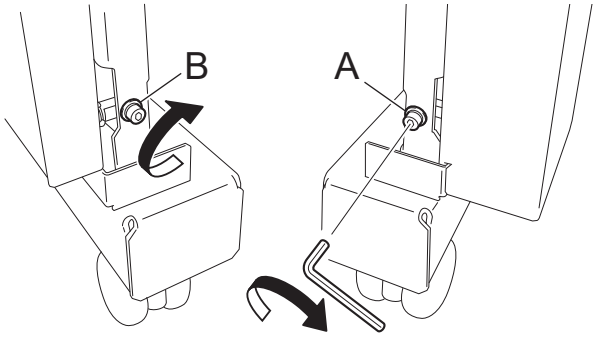
MEMO

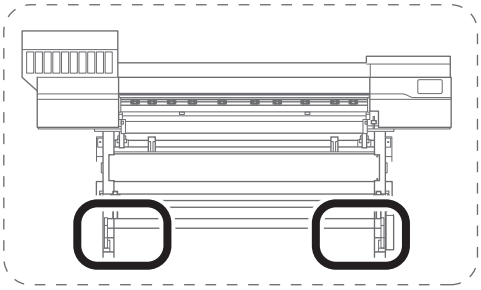
Both sides of the shaft are flat on the left side of the dancer roller.





4. **Fully tighten the bolt on the right side (A), followed by the left side (B) of the dancer roller.**





Step 5: Installing the Dryer

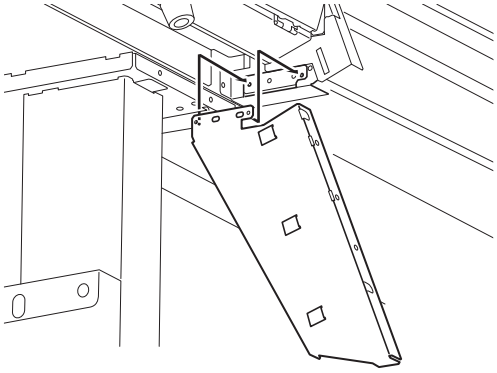
1. Attach arm B.

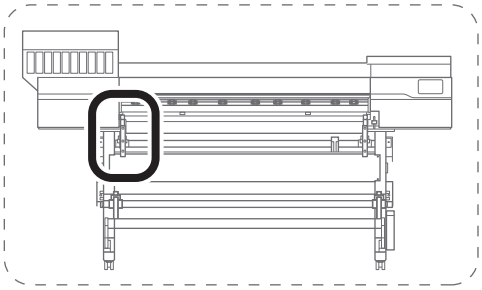
Procedure

1. **Open the front cover.**

2. **Position arm B (left) on the left side as seen from the front of the printer.**

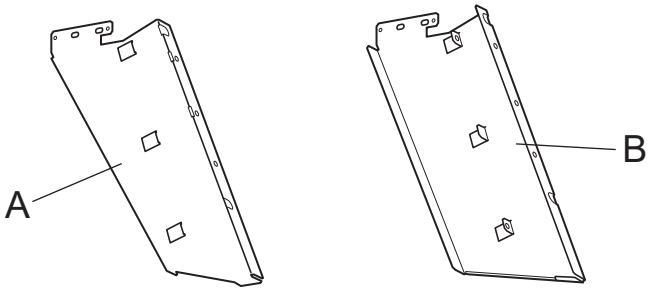
Align the protrusions on the machine side with the holes on arm B.





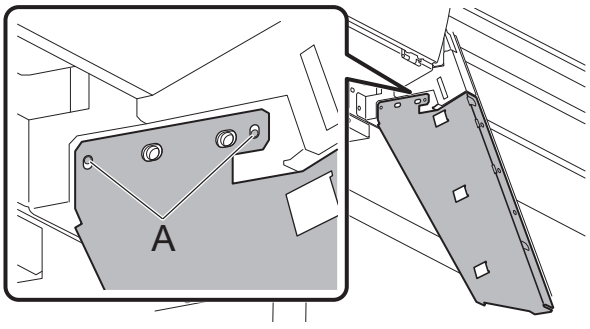
MEMO

There are two different arm B parts: left (A) and right (B). Attach them on the correct sides.

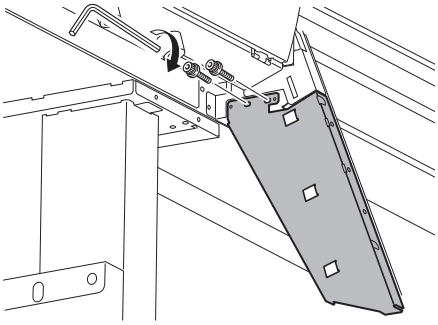


3. **With the protrusions on the machine (A) in the holes on arm B, tighten the two bolts by hand until there is no gap between the machine and the arm.**

Move arm B until these protrusions are in the holes.



4. **Fully tighten the two bolts.**

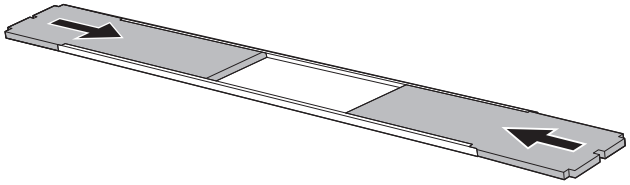


5. In the same manner, attach arm B (right) to the right side as seen from the front of the printer.

2. Attach the extension apron and extension cover.

Procedure

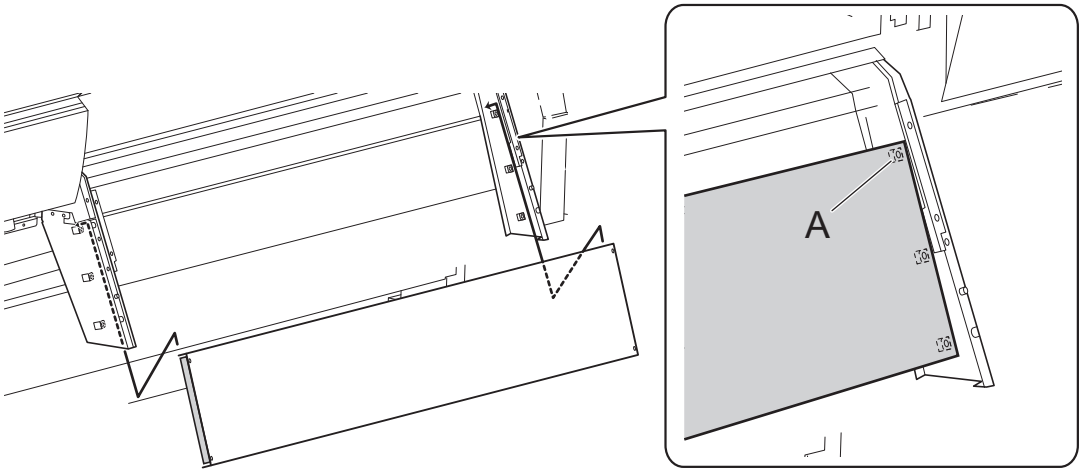
1. Insert the insulating material for the extension apron into the back side of the extension apron.



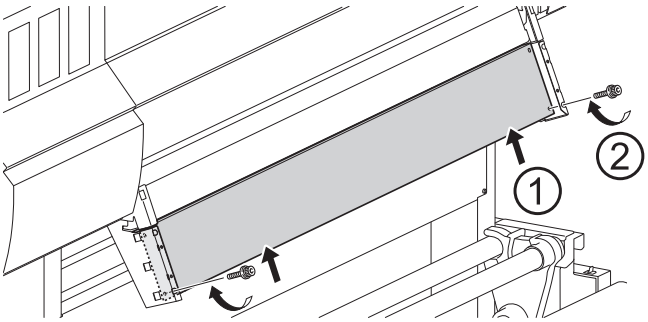
2. Place the extension apron on the inner side of the arm.

(1) With the insulating material facing the machine side, insert the extension apron into the inner side of arm B from the bottom.

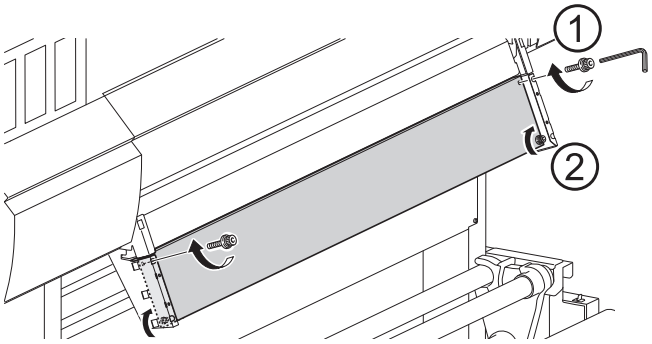
(2) Place the extension apron on top of the topmost bend in the arm (of the three bends in the arm) (A).



3. While pushing the extension apron upward ①, temporarily tighten the two bolts on the bottom ②.

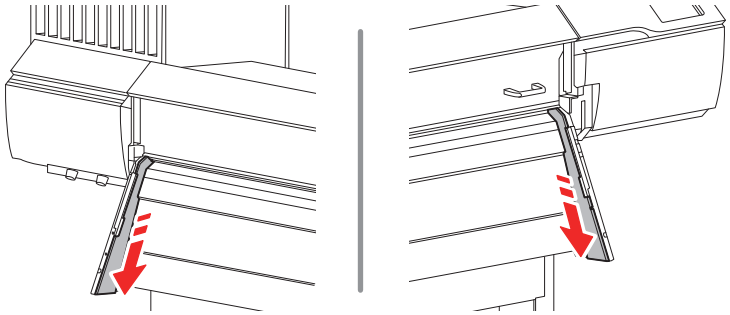


4. While pushing the extension apron upward, fully tighten the top two bolts ① and the bottom two bolts ②, in this order.



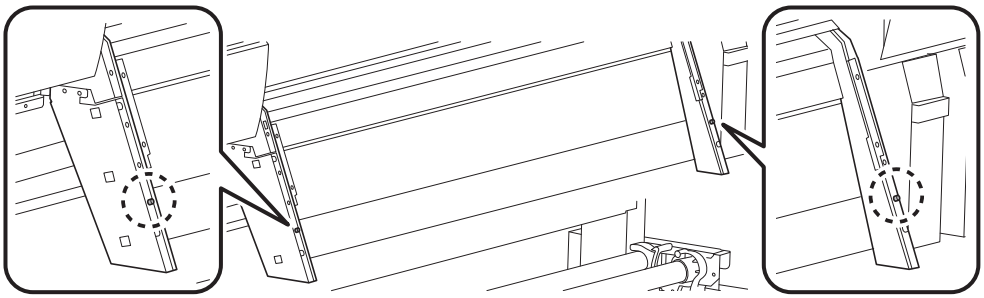
5. **Insert the insulating materials for arms (right and left) into the space between the arm and the extension apron.**

Push the insulating materials all the way to the back.



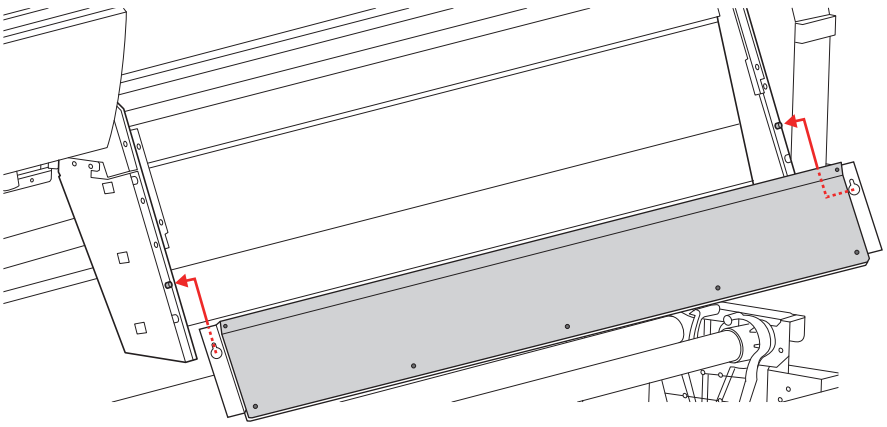
6. **Temporarily attach the extension cover.**

(1) **Temporarily tighten two bolts to the lowermost screw holes in arm B.**



(2) **Hang the extension cover on the bolts to temporarily hold it in place.**

Do not fully tighten the bolts at this time.



3. Install the dryer.

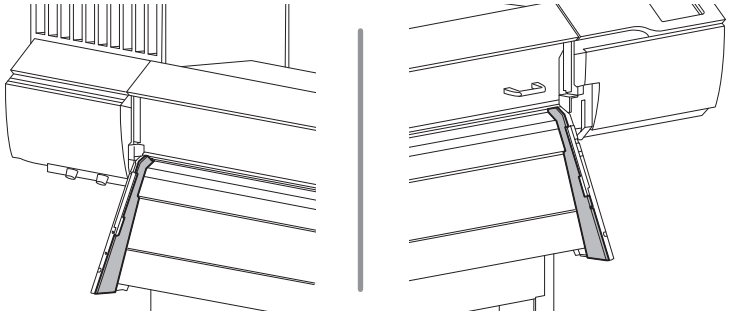
IMPORTANT

Always have two people to hold and install the dryer.

Procedure

1. **Open the front cover.**

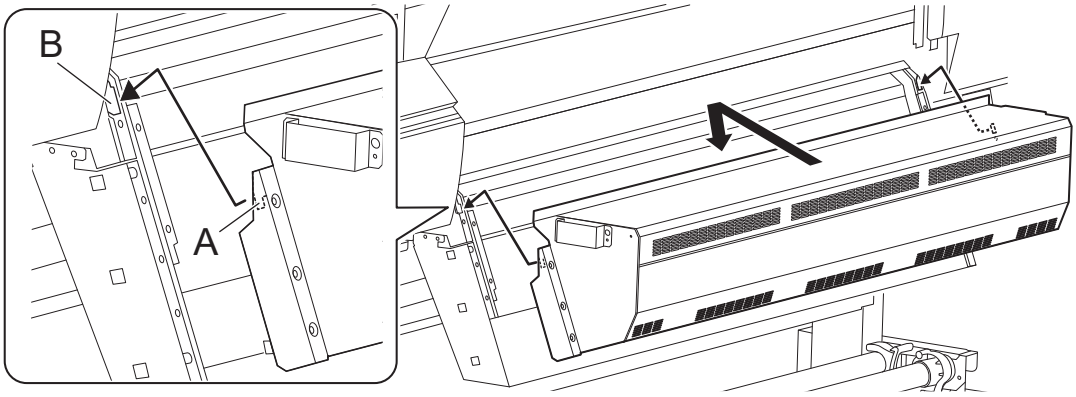
2. **If the insulating material for the arm has fallen to the inside, make it face the outside.**



If the insulating material is folded and keeps falling to the inside, affix it to the arm with commercially available double-sided tape or switch the left and right insulating material.

3. **With two people, hold the right and left handles of the dryer and install the dryer into the machine.**

Catch the hooks (A) of the dryer on the locations on the machine indicated with (B) in the figure.



When you install the dryer, exercise caution to avoid folding the insulating material of the arm into the inside.

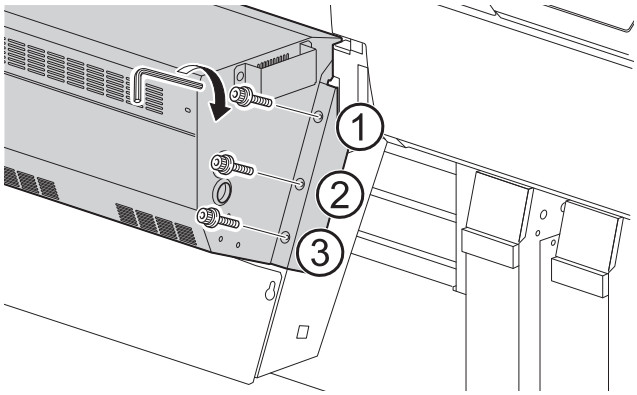
4. **Adjust the horizontal position of the dryer to align the bolt attachment holes and temporarily tighten the six bolts.**

MEMO

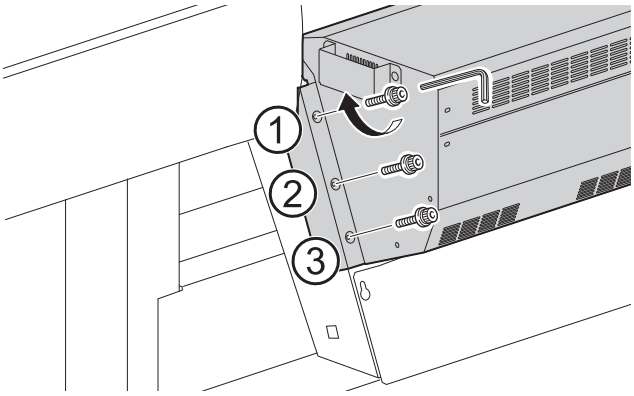
If the dryer holes and the arm B holes do not match, adjust the position of arm B.

- If the arm B screw holes are inside the dryer: Loosen the extension apron fixing bolts, and tighten the bolts again while pulling arm B toward the outside.
- If the arm B screw holes are outside the dryer: Loosen the extension apron fixing bolts, and tighten the bolts again while pushing arm B toward the inside.

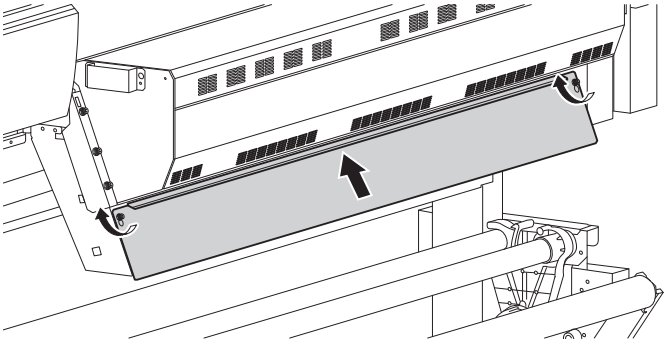
5. **Fully tighten the three bolts on the right side as seen from the front of the printer.**



6. **Fully tighten the three bolts on the left side as seen from the front of the printer.**



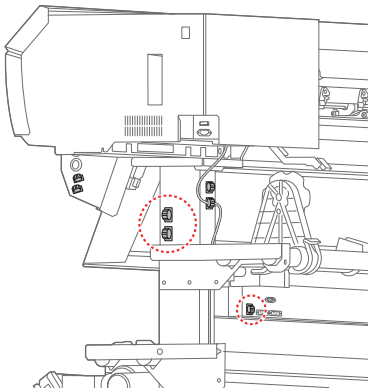
7. **Fully tighten the extension cover bolts while pushing the extension cover against the dryer.**



4. Connect the cables.

Procedure

1. **Attach the three clamps to the positions shown in the figure.**



2. **Connect the cable between the dryer and the dryer controller, and then attach the connector cover.**

This work must be performed by a suitably qualified worker. Never attempt to perform this work yourself.

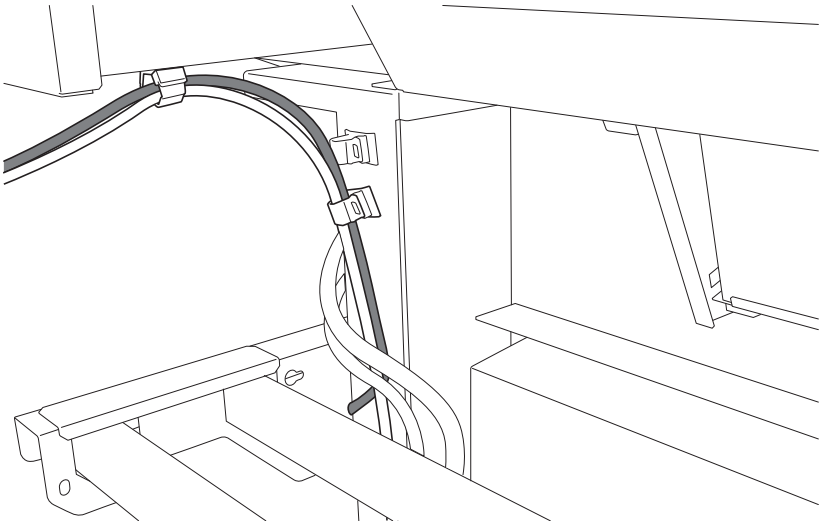
> ⚠ CAUTION
>
> **Leave this work to a suitably qualified worker.**
>
> This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

> MEMO
>
> When connecting the cable between the dryer and the dryer controller, be sure to make the cable slack on the dryer side. This will help prevent interference when the right cover is opened.

3. **Connect the cable between the dryer controller and the printer.**

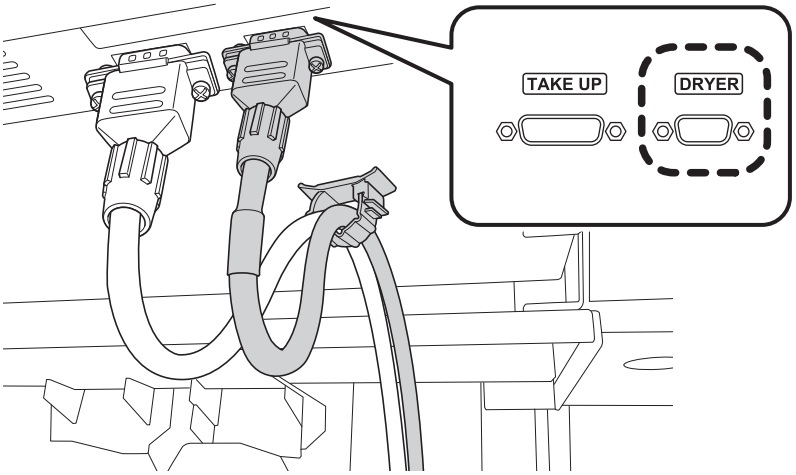
(1) **Secure the cable with two clamps as shown in the figure.**

- The clamps are shared with the cable for the take-up unit.
- Pass the cable between the stand leg and the cable connecting the dryer and the dryer controller.



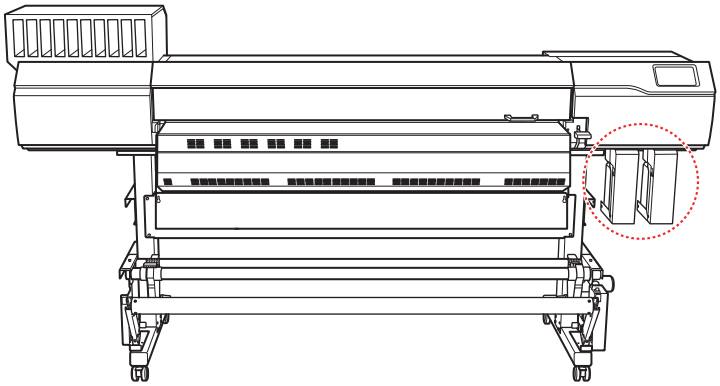
(2) **Connect the cable to the [DRYER] connector on the unit.**

Use a number 1 Phillips screwdriver to tighten the connector screws.



Step 6: Installing the Drain Bottles

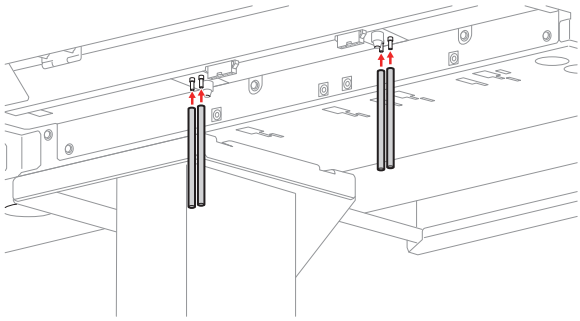
There are two drain bottles on the right side of the printer unit.



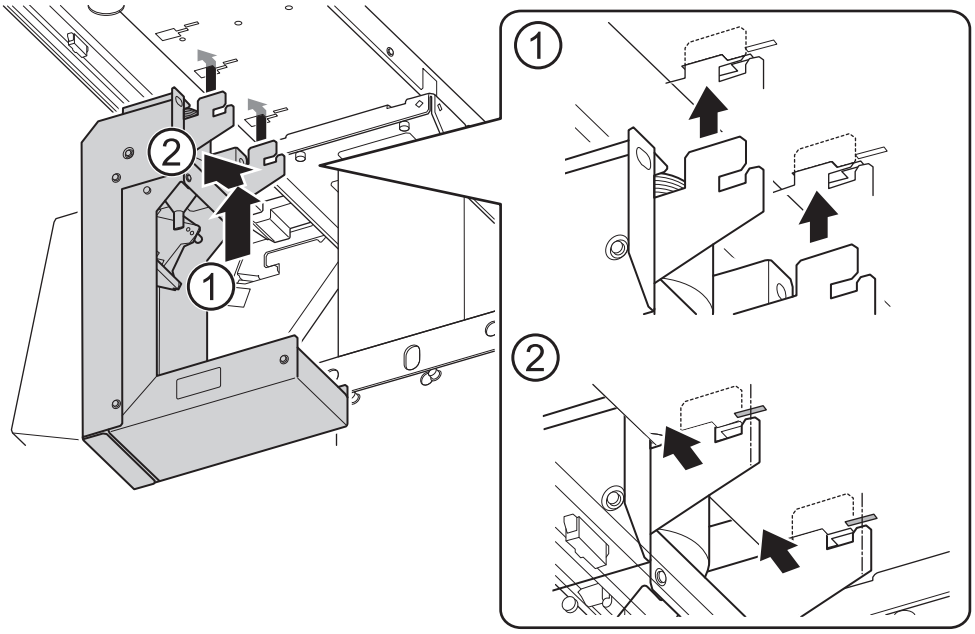
The outside drain bottle is for CMYK and the inside drain bottle is for optimizer.

Procedure

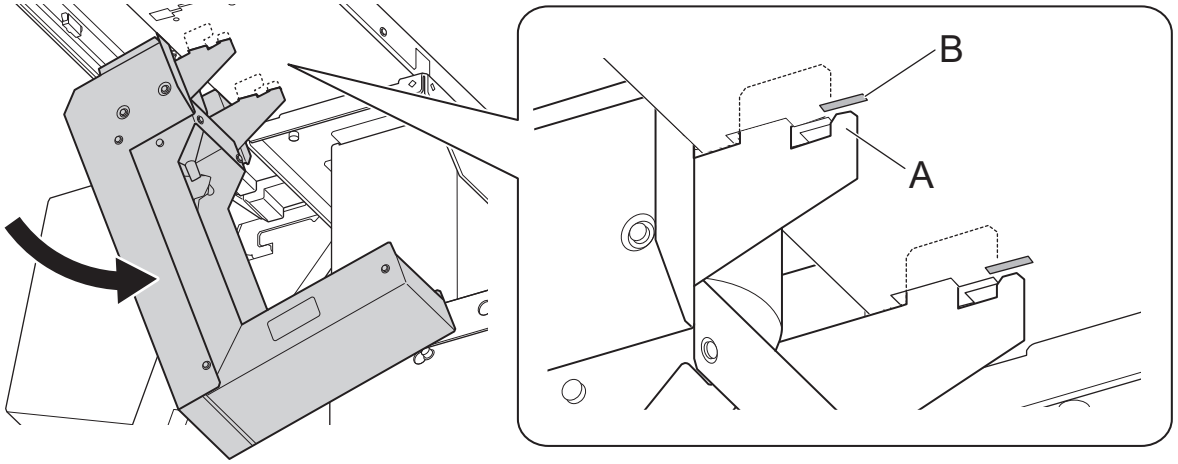
1. **In two locations on the right side of the printer unit, connect two tubes to the connectors.**



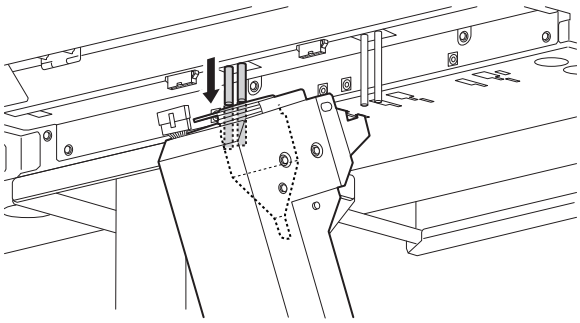
2. **Insert the drain bottle stand into the grooves (①), and then slide it to the right (②).**



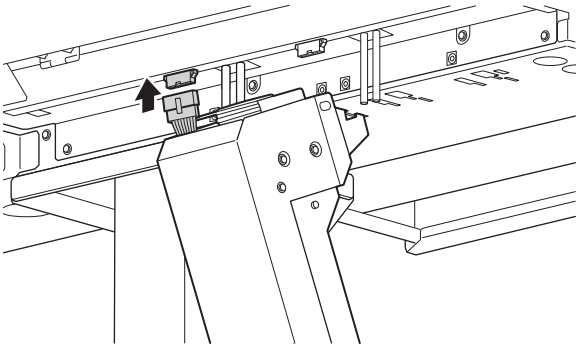
Insert the hooks (A) into the grooves (B), matching the status indicated in the figure.



3. **Insert the tip of the tube into the drain funnel.**

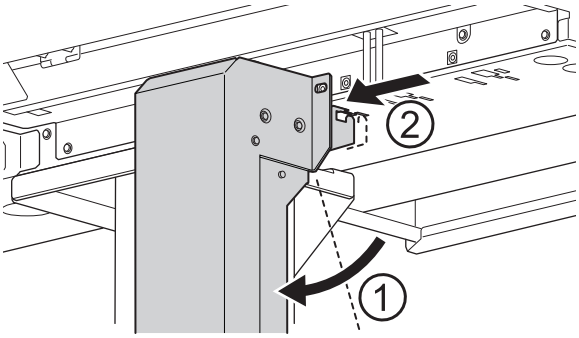


4. **Connect the drain bottle stand connector to the unit.**

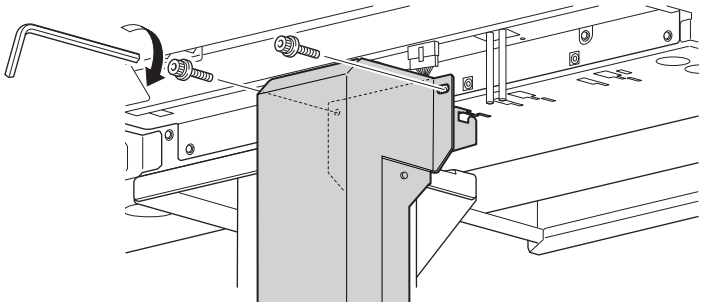


5. **Stand up the drain bottle stand so it is vertical (①), and then slide it to the left (②).**

Stand up the drain bottle stand until the hooks come completely free from the grooves.

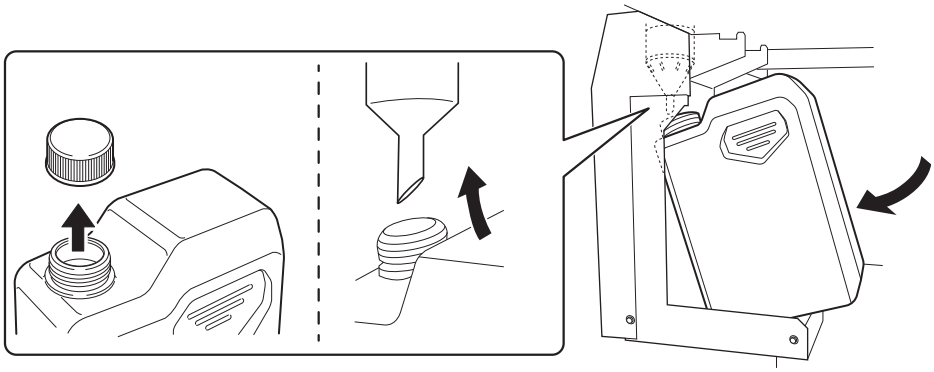


6. **Fully tighten the two bolts to secure the drain bottle stand.**



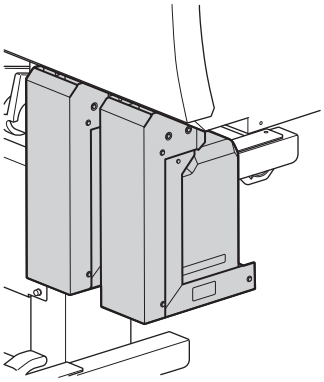
7. **Install the drain bottle in the bottle stand.**

Check that the tube is protruding from the tip of the drain funnel, and then install the drain bottle. Insert the tip of the funnel into the opening of the drain bottle as shown in the figure, and then push the drain bottle to slide it to the back.



8. **Using the same procedure, install the outside drain bottle stand.**

Two drain bottles attached to the machine



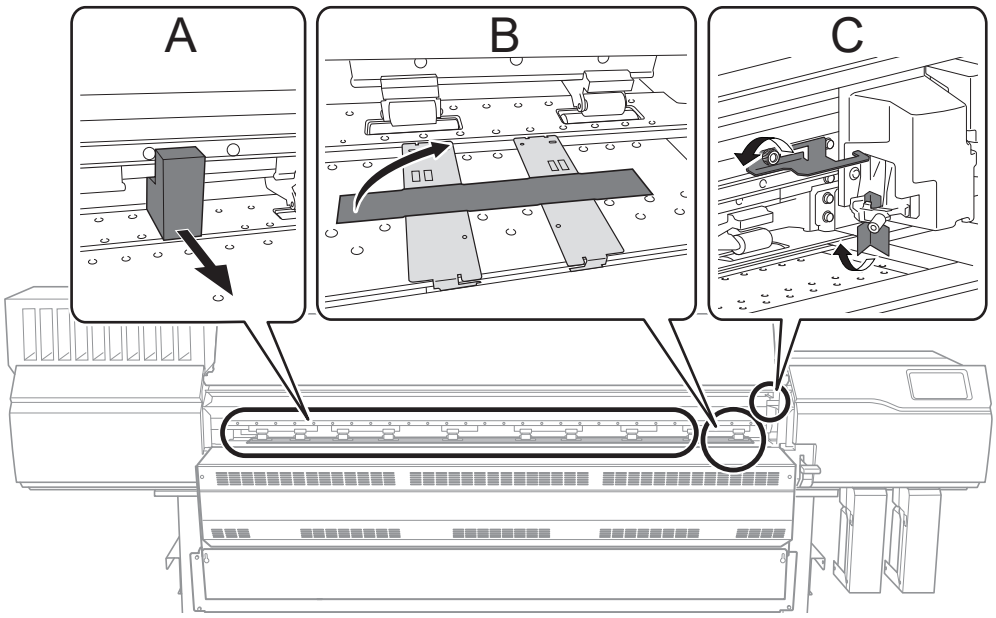
Step 7: Removing the Retainers

IMPORTANT

- Make sure to remove all the retainers. Any that remain may cause faulty operation or breakdown when the power is switched on.
- Store the retainers because they are needed again when transporting the machine.

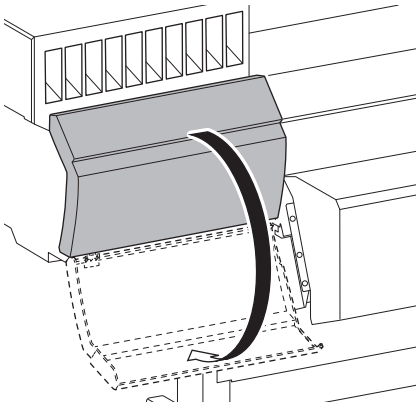
Procedure

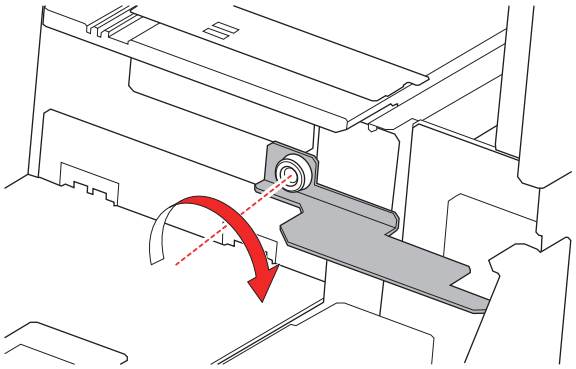
1. Open the front cover, and then remove the retainers (A, B, and C) shown in the figure.



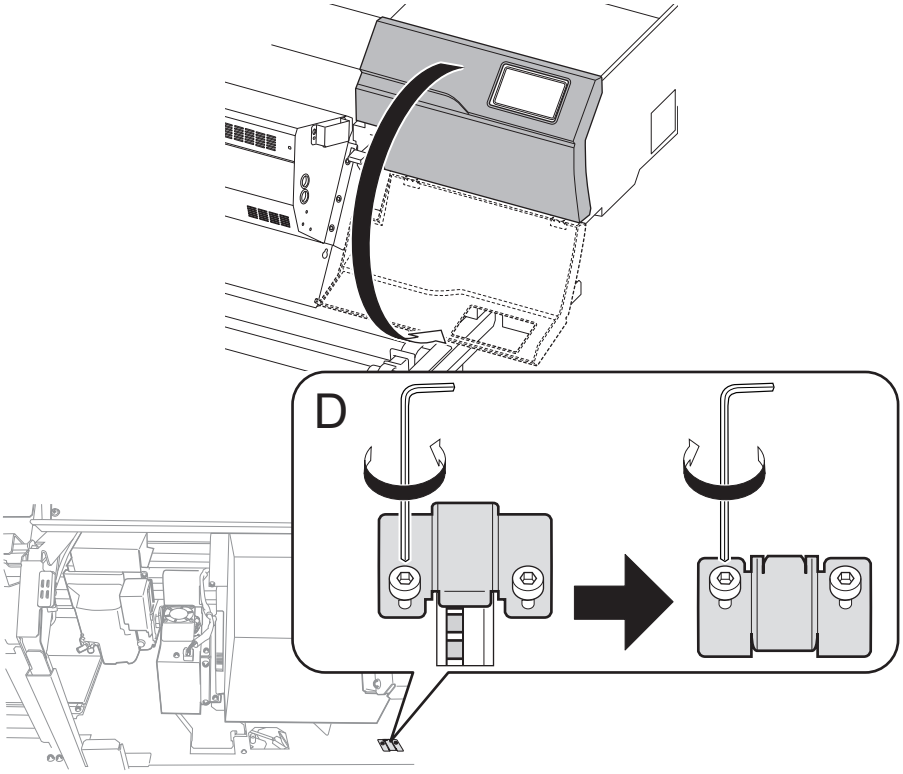
2. Open the left cover, and then attach retainer C.

Use the bolts removed in step 1.





3. **Open the right cover, remove retainer D, and then install it again with different orientation.**
   Rotate retainer D by 180° and install it at the position that hides the gear.



4. **Close the front, left, and right covers.**

Step 8: Preparing the Cleaning Liquid and the Ink

Prepare the cleaning liquid pouch and the ink pouch for each color. Then, set these pouches in ink/cleaning cartridges.

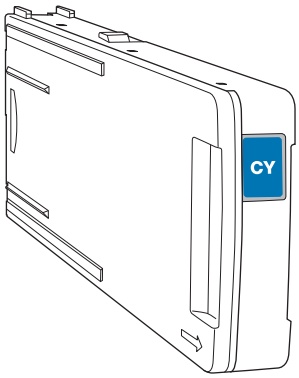
IMPORTANT

- Be sure to use a new cleaning liquid pouch and new ink pouches.
- Never, under any circumstances, use anything other than the specified type of cleaning liquid or ink.
- The cleaning liquid pouch and the ink pouches must be purchased separately. Contact your authorized dealer or visit our website (https://www.rolanddg.com/).
- Ink/cleaning cartridges are consumable items. To purchase consumable items, contact your authorized Roland DG Corporation dealer or visit our website (https://www.rolanddg.com/).

Procedure

1. **Affix an ink label to the ink/cleaning cartridge.**

   Affix the ink label to the position shown in the figure. However, an ink label is already affixed to the optimizer cartridge, so there is no need to affix one there.



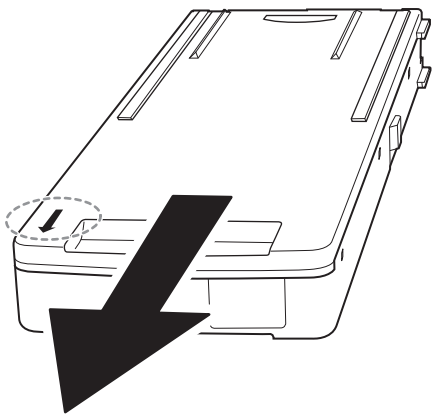
MEMO

Affix the [**CL**] label to the cleaning cartridge.

2. **Remove the ink/cleaning cartridge cover.**

   a. Keep the side with the arrow face up.

   b. Remove the cover by sliding it in the direction indicated by the arrow.



3. **Set the cleaning liquid pouch and the ink pouch for each color in the cartridge cases.**

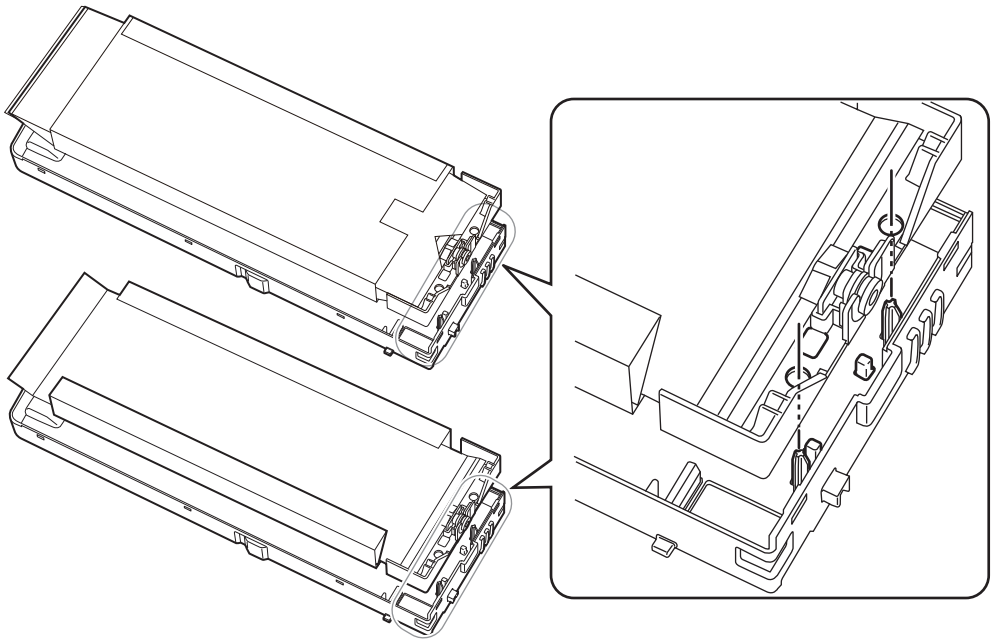
Check the ink pouch labels and insert them in the cases with the labels for the same colors, which were affixed to the cases in step 1.

IMPORTANT

Inserting ink cartridges into the machine without realizing that ink pouch colors and labels are mismatched may result in malfunction.

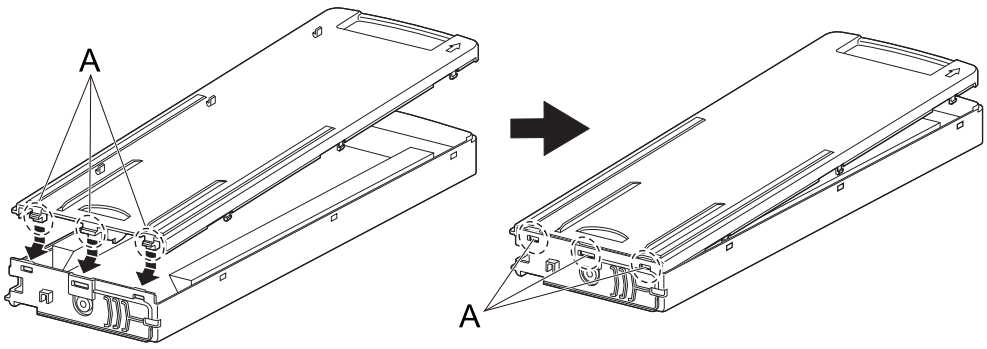
MEMO

To set the pouch in the correct position, pass the protrusions on the cartridge case through the holes in the pouch.



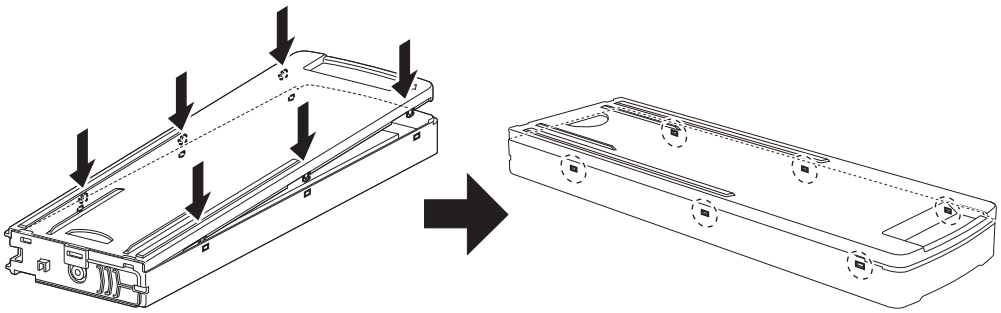
4. **Attach the cover to the cartridge case.**

a. Insert the protrusions (A) at the back of the cover into the holes in the cartridge case.



b. Push the cover to fit its hooks into the holes in the cartridge case.

There are hooks in six locations. Check that all the hooks are seated in the holes and that the cover does not come loose from the cartridge case.



Step 9: Connecting the Power Cord and the Ethernet Cable

⚠ WARNING

Perform this task with all power switches left switched off.
Otherwise sudden movement of the machine may cause injury.

⚠ WARNING

Connect to an electrical outlet that complies with this machine's ratings (for voltage, frequency, and current).
Incorrect voltage or insufficient current may cause fire or electrical shock.

⚠ WARNING

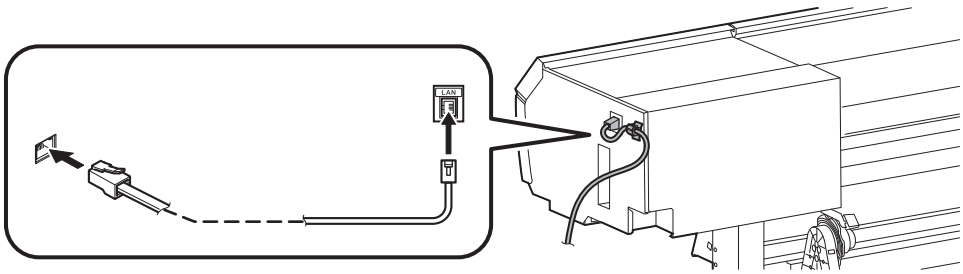
Handle the power cord, plug, and electrical outlet correctly and with care. Never use any article that is damaged.
Using a damaged article may result in fire or electrical shock.

⚠ WARNING

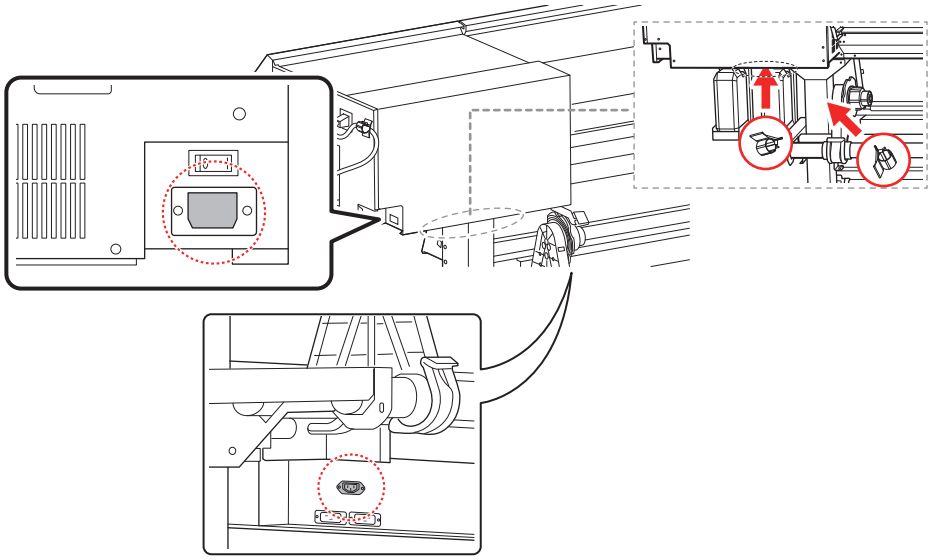
When using an extension cord or power strip, use one that adequately satisfies the machine's ratings (for voltage, frequency, and current).
Use of multiple electrical loads on a single electrical outlet or of a lengthy extension cord may cause fire.

Procedure

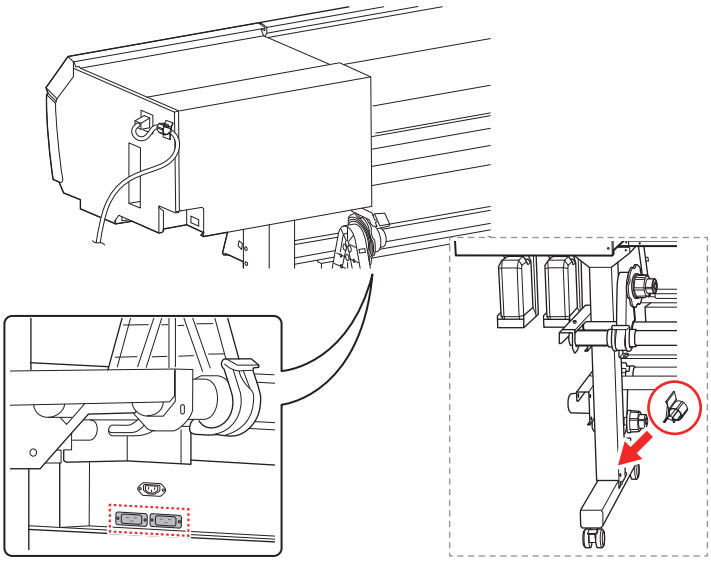
1. **Connect the (commercially available) Ethernet cable and secure it with a clamp.**
   Attach the clamp in the location shown in the figure.
   The recommended Ethernet and Ethernet cable are as follows.
   - Ethernet: 1000BASE-T
   - Ethernet cable: Category 5 or higher



2. **Connect the printer unit and the dryer controller with the relay power cord, securing this cord with the cable clamp shown in the figure.**



3. Connect the dryer controller's power cords (two cords), securing the power cords with the cable clamp shown in the figure.



4. Connect the power cords (two cords) to a 200 to 240 V power supply.

⚠ WARNING

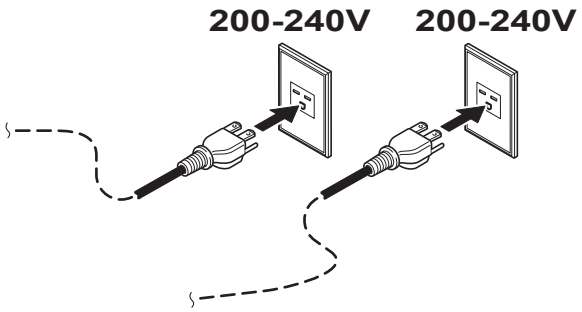
Connect this machine to an electrical outlet. Never connect this machine directly to a power distribution panel or other such fixed wiring equipment.

Doing so increases the risk of fire or electrical shock.

⚠ WARNING

Connect to ground.

This can prevent fire or electrical shock due to current leakage in the event of malfunction.


200-240V
200-240V

Step 10: Adjusting the Ink Tube

Adjusting the Ink Tube

This work must be performed by a suitably qualified worker. Never attempt to perform this work yourself.

⚠ CAUTION

Leave this work to a suitably qualified worker.

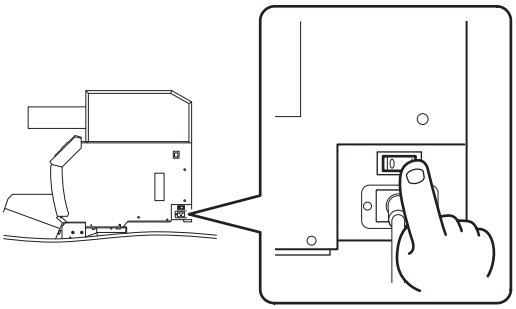
This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

Step 11: From Initial Settings to Ink Filling

Turn on the machine, perform the initial settings on the printer (selecting the language, setting the units for length and temperature, selecting the ink type, etc.), attach the wiper and other included items required for printing, and then fill the machine with ink. When you turn the machine on, the setting items and operation procedure are displayed in order on the operation panel. Follow the displayed instructions to carry out the work.

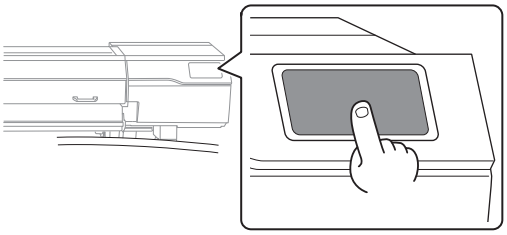
Procedure

1. **Switch on the printer's main power.**



2. **Tap the operation panel.**

   The operation panel turns on, and the [**Language**] screen appears.



3. **Follow the instructions on the operation panel to configure the settings and carry out the work.**

IMPORTANT

- Do not insert empty pouch trays. Doing so may force air into the ink path and cause printer malfunctions.
- Exercise caution to insert ink cartridges in the ink slots that match their colors.

When the ink filling is finished, the home screen of the operation panel appears. When the home screen appears, the work from initial settings to ink filling is complete.

2. Installing the Cutting Tool

This operation is unnecessary if you will not use the cutting tool. Tighten the cutting carriage screw lightly when no cutting tool is installed. Keeping the screw firmly tightened causes the cutting tool insertion hole to become gradually smaller, making installation difficult.

⚠ WARNING

Be sure to perform operations as specified by the instructions, and never touch any area not specified in the instructions.

Sudden movement of the machine may cause injury.

⚠ CAUTION

Never touch the tip of the knife.

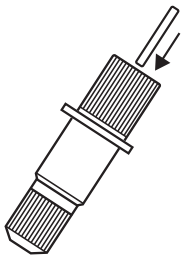
Doing so may result in injury. The cutting performance of the blade will also be impaired.

Assembling the Cutting Tool

Procedure

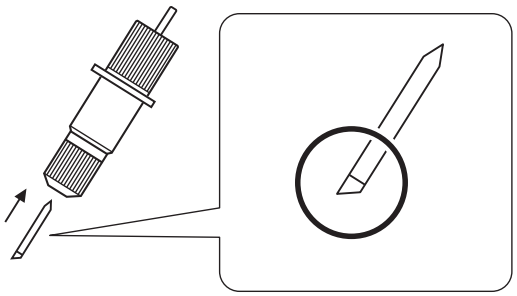
1. **Insert the pin.**

   Insert the pin to the position where its end sticks out about 3 to 5 millimeters (0.12 to 0.19 in.).



2. **Insert the blade.**

   Insert the blade into the hole so the blade tip is on the outside.



Installing the Cutting Tool

Procedure

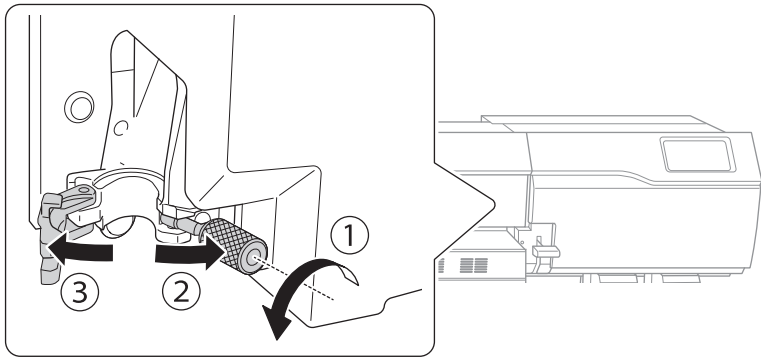
1. Tap ☰.

2. Tap [Maintenance]>[Blade Replacement].

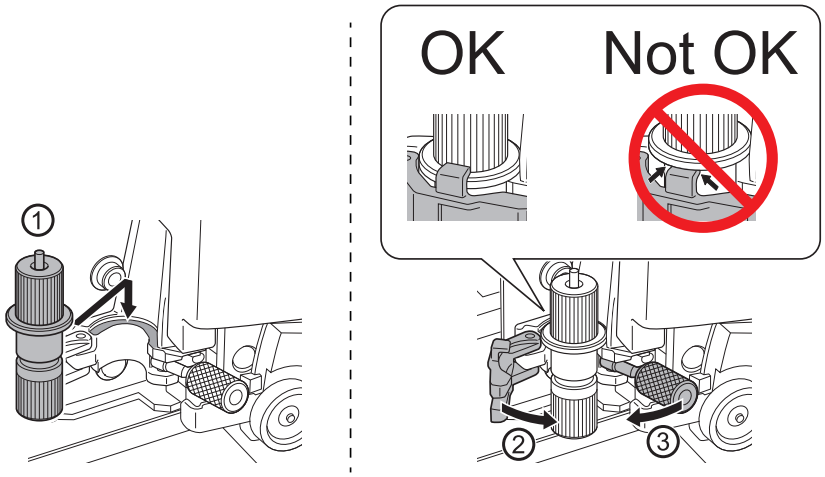
3. Tap [Execute].
The cutting carriage moves to a position where the blade can be installed.

4. When the message [Open the front cover.] appears on the screen, open the front cover.

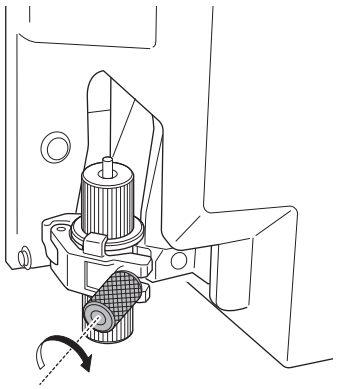
5. Loosen the cutting carriage screw, and then open the retaining section horizontally.



6. Install the cutting tool in the cutting carriage.



7. Tighten the screw.



8. Close the front cover.

9. Tap [Finish All].

This completes the installation of the cutting tool.

3. Network Settings

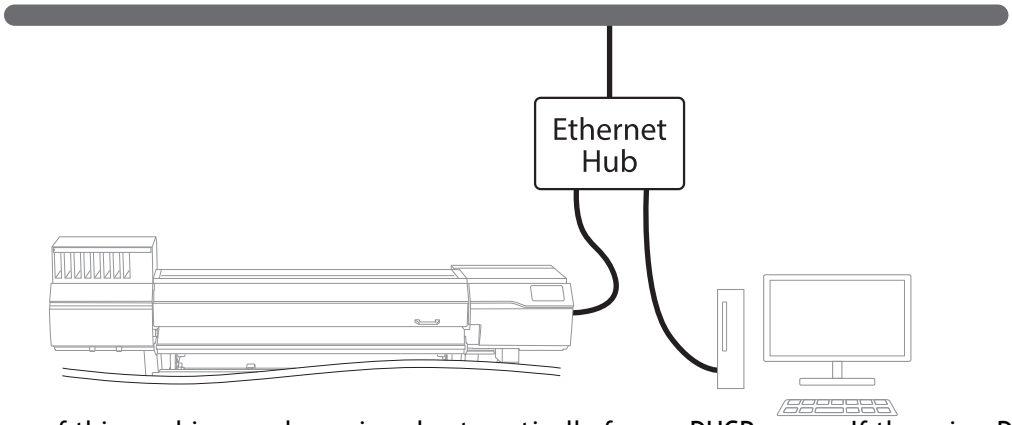
The IP address of this machine can be assigned automatically from a DHCP server. If there is a DHCP server on your local network, no network settings are required. After connecting a LAN cable, carry out Step 6: Configuring VersaWorks Settings(P. 69) on the computer you are using.

However, it takes time to assign the IP address if there is no DHCP server. If the message [**Connection is requiring too much time. Manually setting the IP address will improve the connection speed.**] appears when you tap , carry out Setting a Fixed IP Address(P. 57).

When connecting the computer and the machine directly, carry out Setting the Computer's Network(P. 60).

In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

Network Settings



The IP address of this machine can be assigned automatically from a DHCP server. If there is a DHCP server on your local network, no network settings are required. After connecting a LAN cable, carry out 4. Software Setup(P. 64) on the computer you are using.

However, if there is no DHCP server, if no DHCP server can be found, or if there is a problem on the DHCP server, the IP address will not be automatically assigned. If the message [**Connection is requiring too much time. Manually setting the IP address will improve the connection speed.**] appears when you tap , carry out the procedure in the following section to set the network. Also use the method in the following section to fix the IP address for the destination to output data to from the computer.

- Setting a Fixed IP Address(P. 57)

Setting a Fixed IP Address

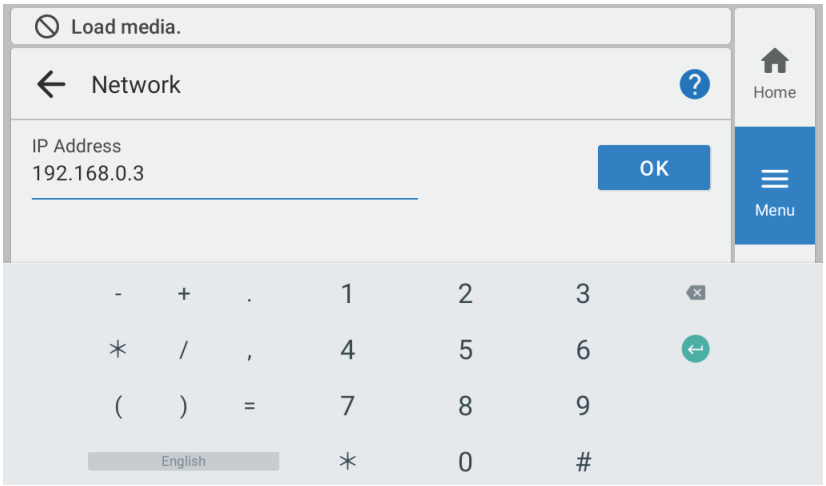
If the automatic assignment of the IP address from a DHCP server fails or if you want to set an IP address that does not change, enter a fixed IP address.

IMPORTANT

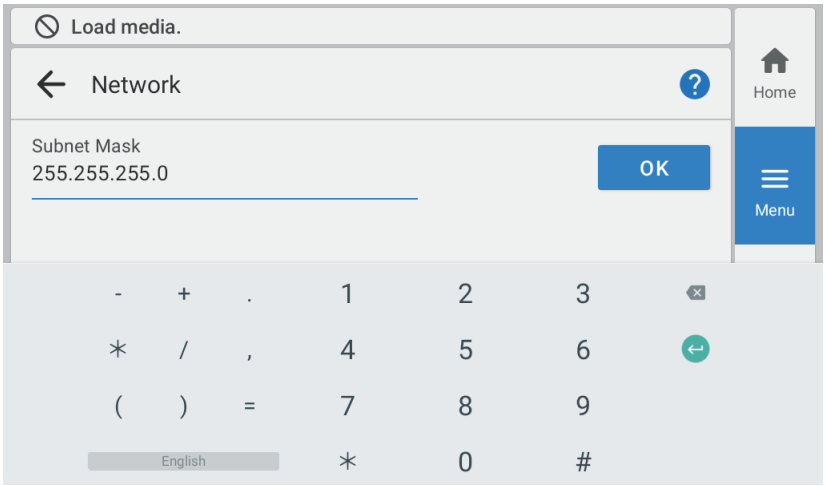
In an environment where the printer is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

Procedure

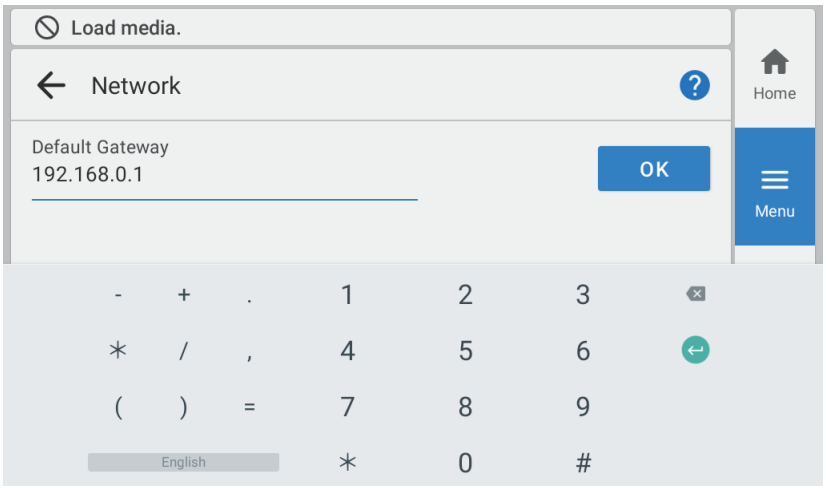
1. Tap ☰.
2. Tap [System Information]>[Network].
3. Tap [Obtain IP Address Automatically] to set it to [Disable].
4. Tap ✎ to the right of [IP Address].
   The numeric value input screen appears.



5. Enter the IP address.
   For the IP address, contact your network administrator.
6. Tap [OK].
7. Tap ✎ to the right of [Subnet Mask].
   The numeric value input screen appears.



8. Enter the subnet mask.
9. Tap [OK].
10. Tap ✎ to the right of [Default Gateway].
    The numeric value input screen appears.



11. **Enter the default gateway.**

12. **Tap [OK].**

13. **Tap [Save].**

14. **Tap** .

The home screen appears.

This completes the setting of a fixed IP address. Go back to the home screen. Then, proceed to 4. Software Setup(P. 64).

Setting the Computer's Network

When configuring this machine and the network settings of the computer at the same time, to obtain the setting details, contact the administrator of the network the computer is connected to. Before configuring the settings, you have to prepare the following information.

- Whether to use a DHCP server to set the IP addresses
- The IP addresses (IP address, subnet mask, and default gateway) to set on the computer if no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses

Setting the IP Address on the Computer (Windows)

Use the information you have prepared through discussions with the network administrator to set the computer's network. If you have already set the network, the settings here are not necessary.

IMPORTANT

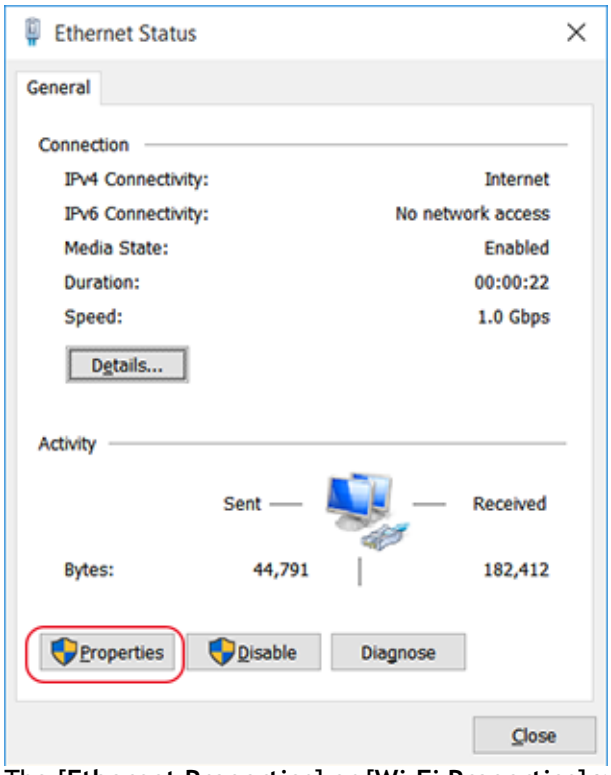
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The method introduced here for setting the network settings applies to the following Windows versions. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: version 24H2
- Windows 10: version 22H2

Procedure

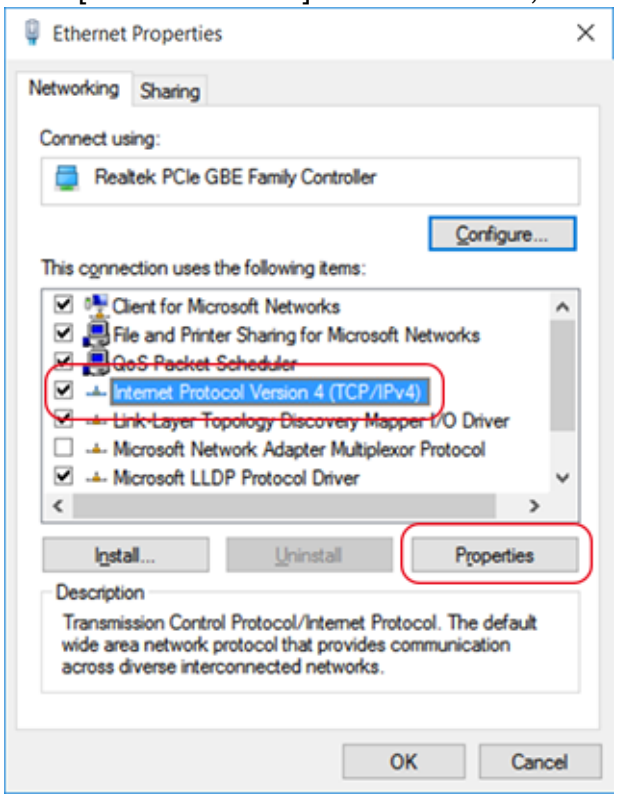
1. **Log on to Windows as the [Administrator] or a member of the [Administrators] group.**
2. **Open Control Panel.**
   Search for [Control Panel] from the taskbar.
3. **Click [Network and Sharing Center].**
4. **Click [Ethernet] or [Wi-Fi].**
5. **Click [Properties].**
   If a [**User Account Control**] window appears, click [**Continue**].



The [**Ethernet Properties**] or [**Wi-Fi Properties**] window appears.

6. **Select [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties].**

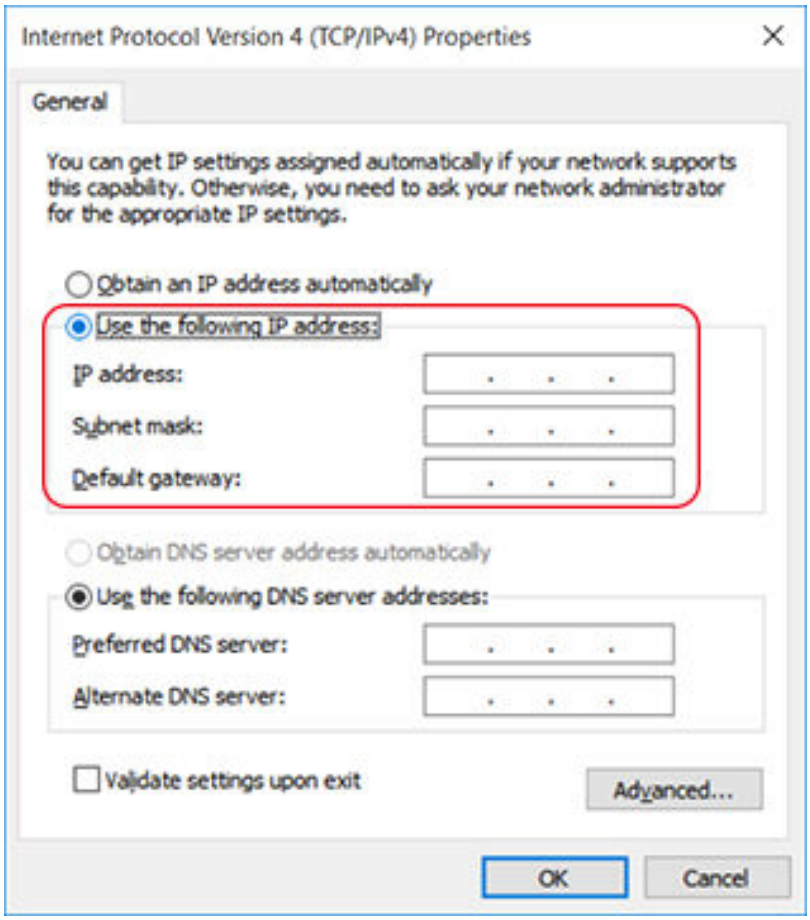
If the [**Internet Protocol**] check box is clear, select it.



7. **To obtain the IP address from the DHCP server, click [Obtain an IP address automatically].**

If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, skip this step and proceed to the next one.

8. If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, configure the following settings.
   (1) Click [Use the following IP address].
   (2) Enter the [IP Address], [Subnet Mask], and [Default Gateway].



9. Click [OK].

10. Click the following buttons to return to the original state.
    a. [**Close**] in the [**Ethernet Properties**] or [**Wi-Fi Properties**] window
    b. [**Close**] in the [**Ethernet Status**] or [**Wi-Fi Status**] window

Setting the IP Address on the Computer (Mac)

Use the information you have prepared through discussions with the network administrator to set the computer's network. If you have already set the network, the settings here are not necessary.

IMPORTANT

In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The method introduced here for configuring the network settings applies to the following Mac version. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Mac: macOS 15.2

Procedure

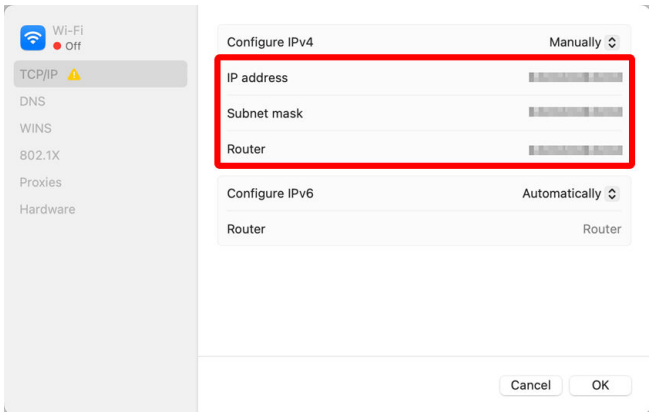
1. **Log on to the Mac as the [Administrator].**
2. **From the Apple menu, click [System Settings...].**
3. **Click [Network] > [Wi-Fi] or the name of the network (when using Ethernet).**
4. **Click [Details...].**
5. **Click [TCP/IP].**
6. **To obtain the IP address from a DHCP server, select [Using DHCP] for [Configure IPv4].**

   If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, skip this step and proceed to the next one.
7. **If no DHCP server is in operation or if you will not use a DHCP server to set the IP addresses, configure the following settings.**

   (1) **Select [Manually] for [Configure IPv4].**

   (2) **Enter the [IP address], [Subnet mask], and [Router].**

   Enter the IP address of the default gateway in [**Router**].



8. **Click [OK].**

4. Software Setup

IMPORTANT

A connection to the Internet is required to set up the software.

Step 1: Creating a Roland DG Connect Account

If you already have a Roland DG Connect ID, you do not have to create an account. Proceed to Step 2: Downloading and Installing Roland DG Connect Hub(P. 65).

Procedure

1. **Start the computer.**
2. **Access the following website.**
   https://connect.rolanddg.com/
3. **Click [Sign Up], and then create a Roland DG Connect account.**
   Create an account according to the information in the Master Initial Setting Guide.
   https://support.rolanddg.co.jp/hc/ja/articles/43642150668953

   MEMO

   You can also use the ID that you have created with [**Sign Up**] in Roland DG Connect with [**Sign In**] in Roland DG Connect Hub.

Step 2: Downloading and Installing Roland DG Connect Hub

Procedure

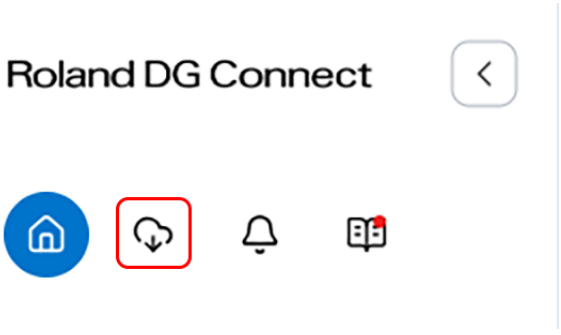
1. **Log in to Roland DG Connect.**

   https://connect.rolanddg.com/

   MEMO

   If you have not closed the page displayed after you created a Roland DG Connect account, you do not need to log in again. Proceed to Step 2.

2. **Click .**



3. **Download Roland DG Connect Hub.**

   There is a Windows version and a Mac version of Roland DG Connect Hub. Download the version that matches the OS of your computer.

4. **After downloading Roland DG Connect Hub, install it.**

   Follow the on-screen instructions to install Roland DG Connect Hub.

Step 3: Signing in to Roland DG Connect Hub

Start Roland DG Connect Hub and sign in.

If you select the [**Launch Roland DG Connect Hub**] checkbox in the Roland DG Connect Hub setup wizard, Roland DG Connect Hub will start automatically after setup finishes.

Use the ID you created in Step 1: Creating a Roland DG Connect Account(P. 64) to sign in to Roland DG Connect.

Step 4: Registering the Machine to Roland DG Connect Hub

Refer to the procedure below to register the printer to Connect Hub.
https://support.rolanddg.co.jp/hc/ja/articles/44190364320537

Step 5: Installing VersaWorks from Roland DG Connect Hub

Use Roland DG Connect Hub to install VersaWorks.

Procedure

1. **Start [Roland DG Connect Hub].**
   - Windows
     Click the [**Roland DG Connect Hub**] icon in the notification area.
   - Mac
     Click the [**Roland DG Connect Hub**] icon on the Dock.

   IMPORTANT

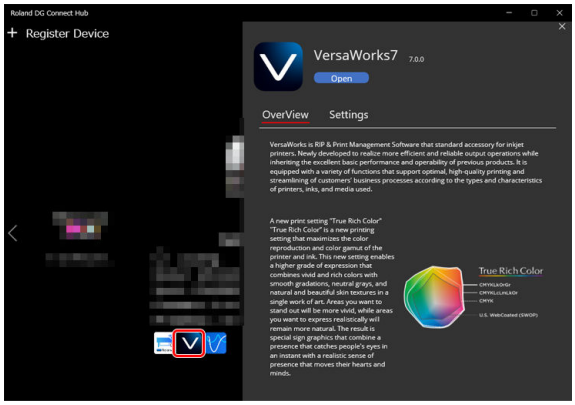
   When using Windows, if you have cleared the [**Launch Roland DG Connect Hub**] checkbox in the Roland DG Connect Hub setup wizard, start the software from the [**Start**] menu after setup finishes.

2. **In the main window, select the machine to use.**

   MEMO

   If the printer to register cannot be found, see the "Roland DG Connect Help."
   https://support.rolanddg.com/hc/en-us/categories/6469527154585-Roland-DG-Connect

3. **Click** .
   The sidebar is displayed on the right side of the window.



4. **Click [Install].**
   After installation completes, click to start VersaWorks.

Step 6: Configuring VersaWorks Settings

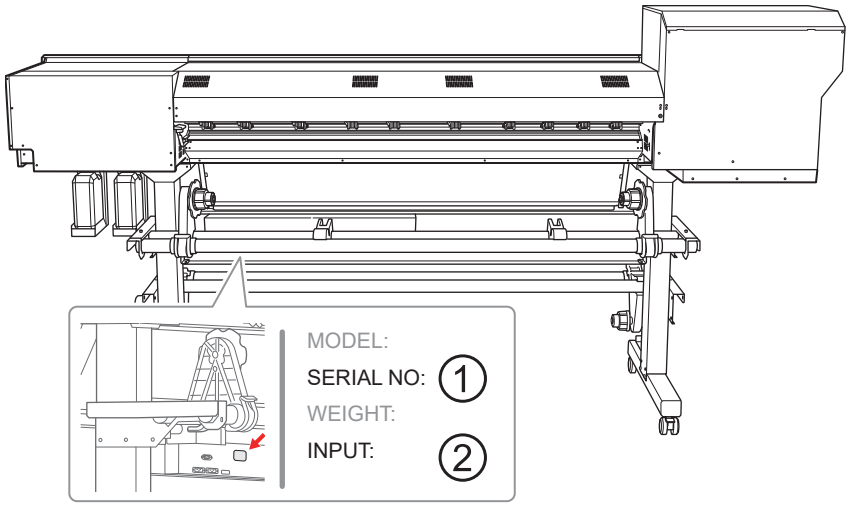
For information on how to connect the printer after installing VersaWorks, see the VersaWorks Installation Guide.

Appendix

Location of the Power Rating and Serial Number Label 71
Specifications 72

Location of the Power Rating and Serial Number Label

Right Side



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

Specifications

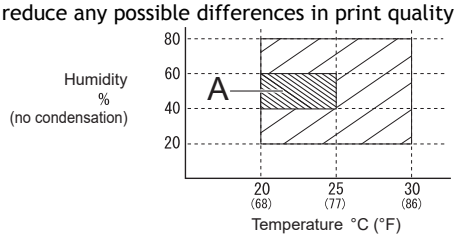
		AG-640
Printing method		Piezo ink-jet method
Media	Width	355 to 1,625 mm (13.98 to 63.97 in.)
	Thickness	Max. 1.0 mm (39.37 mil) with liner, for printing Max. 0.4 mm (15.74 mil) with liner and 0.22 mm (8.66 mil) without liner, for cutting
	Roll outer diameter	Max. 250 mm (9.8 in.)
	Roll weight	Max. 45 kg (99.20 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing/cutting width[*1]		Max. 1,600 mm (62.99 in.)
Ink	Type	Resin ink 750 ml pouch
	Color	Seven colors (cyan, magenta, yellow, black, white, orange, and red) and optimizer Four colors (cyan, magenta, yellow, and black) and optimizer
Printing resolution (dots per inch)		Max. 1,200 dpi
Cutting speed		10 to 300 mm/s (0.39 to 11.8 in./s)
Blade force[*2]		30 to 500 gf
Blade	Type	Roland CAMM-1 series blade
	Offset	0.000 to 1.500 mm (0.0 to 59 mil)
Software resolution (when cutting)		0.025 mm/step (0.98 mil/step)
Ink drying system[*3]		Print heater set temperature: 25 to 45°C (77 to 113°F) Dryer set temperature: 70 to 98°C (158 to 208°F)
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Rated input		Printer: 200-240 Va.c. 50/60 Hz 3 A Blower 1: 200-240 Va.c. 50/60 Hz 12 A Blower 2: 200-240 Va.c. 50/60 Hz 10 A Printer (output): 200-240 Va.c. 50/60 Hz 3 A
Power consumption	During operation	Approx. 4,200 W
	Sleep mode	Approx. 60 W
Acoustic noise level	During operation	70 dB (A) or less
	During standby	68 dB (A) or less
Dimensions (width × depth × height)		3,004 mm × 866 mm × 1,412 mm (118.27 in. × 34.09 in. × 55.59 in.)
Weight		268 kg (590.84 lb.)
Environment[*4]	During operation	Temperature: 20 to 30°C (68 to 86°F), humidity: 20 to 80%RH (no condensation)
	Recommended environment	Temperature: 20 to 25°C (68 to 77°F), humidity: 40 to 60%RH (no condensation)
	Not operating	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (no condensation)
Included items		Dedicated stand, power cords, dryers, media take-up unit, media holders, replacement blade for separating knife, cleaning liquid bottle for maintenance, drain bottles, User's Manual, software (VersaWorks, Roland DG Connect Hub), etc.

*1 The length of printing or cutting is subject to the limitations of the application software.

*2
- 500 gf is the maximum instantaneous blade force.
- The blade force must be adjusted according to details such as the media thickness.

*3
- Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment.
- Depending on the ambient temperature and the media width, the set temperature may not be reached.

*4 Use the machine in an operating environment within these ranges. Also, printing in the recommended environmental conditions (A) is recommended to prevent or reduce any possible differences in print quality depending on media.




Roland