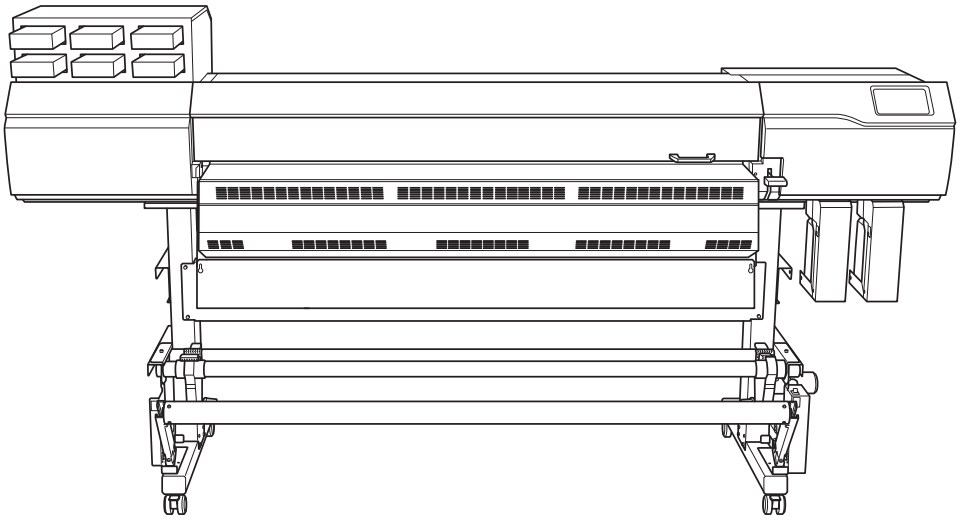
TrueVIS

AP-640

Setup Guide



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 guide completely.
- Unauthorized copying or transferal, in whole or in part, of this guide is prohibited.
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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/AP-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 for this machine is 200 to 240 V. Three power cords are used: one for the printer and two for the dryer. Connect each power cord to a different circuit breaker when using this machine.

Max. Current Consumption

Product total: 23 A

- Printer: 3 A
- Dryer 1: 10 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.
The total weight of the machine may reach 311 kg (685.6 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.

⚠ WARNING

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

IMPORTANT

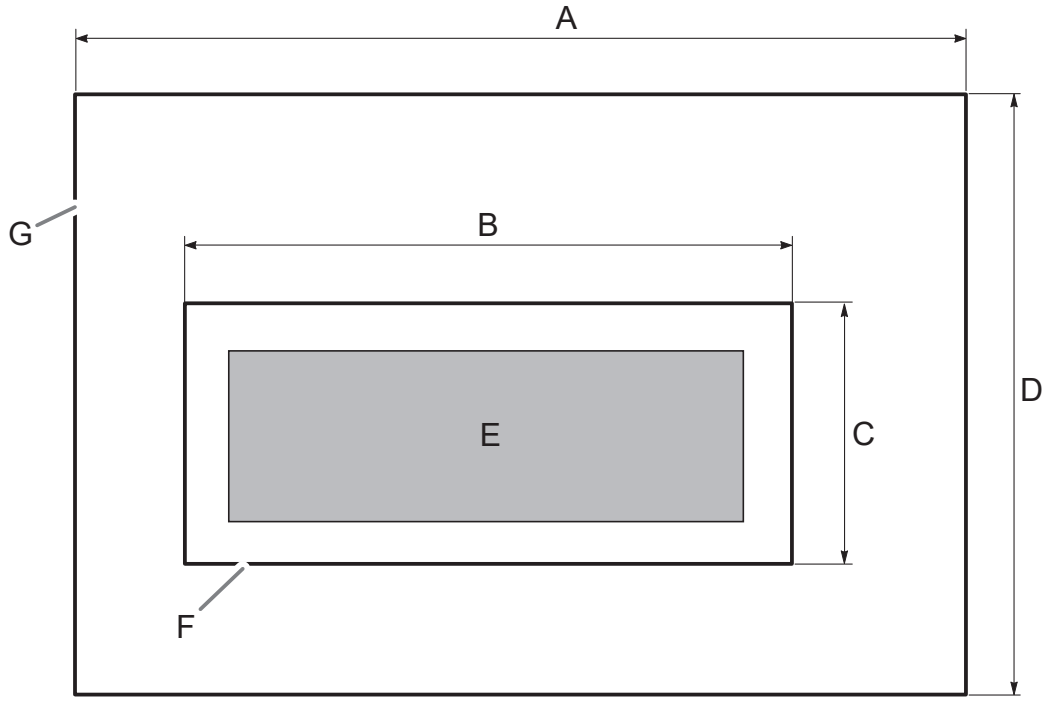
Recommended environment

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

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

Installation Space

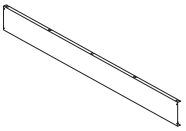
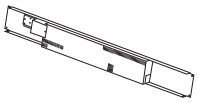
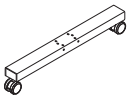
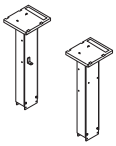
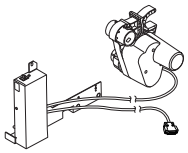
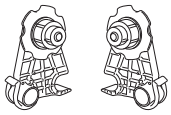
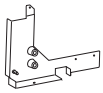
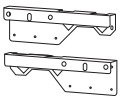
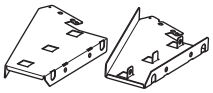
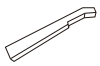
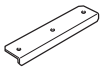
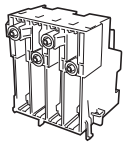
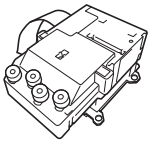
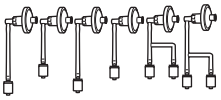
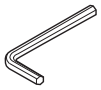
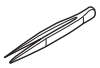
The space shown in the figure is required in order to use this machine.

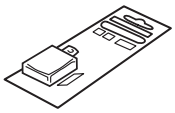
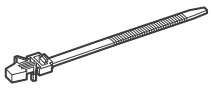
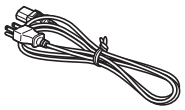
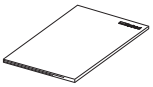


A	4,500 mm (177.2 in.)
B	3,500 mm (137.8 in.)
C	1,000 mm (39.4 in.)
D	2,000 mm (78.7 in.)
E	Unit
F	Unit space
G	Work space

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)	 Extension apron (1)	 Stand stay (with dryer controller) (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 material (for extension apron) (1)	 Insulating material (for arm B) (2)
 Drain bottle stand (2)	 Drain bottles (2)	 Shaft clamps (4)	 Media stays (2)
 Damper units (2)	 Print head units (2)	 Tubes (6)	 Print head screws (8)
 Drain tube (2)	 Bolts (82)	 Hexagonal wrench (1)	 Pipe (1)
 Pouch trays (6)	 Tweezers (1)	 Cleaning liquid bottles (2)	 Cleaning sticks

 Replacement blade for separating knife (1)	 Cable clamps (10)	 Cable ties (6)	 Power cords (3)
 Paper tube (1)	 Manuals		

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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.

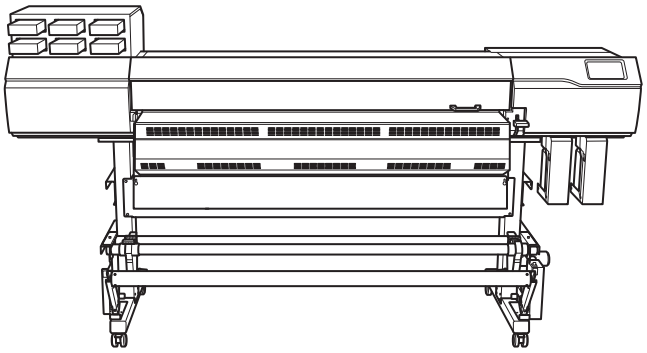
⚠ CAUTION

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

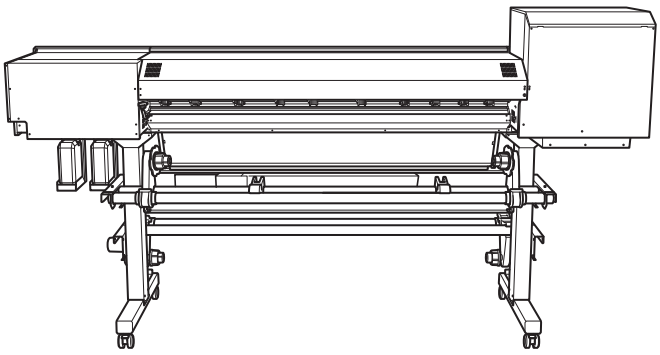
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Completed Drawing

Front



Rear



Necessary Tools (Included Items)

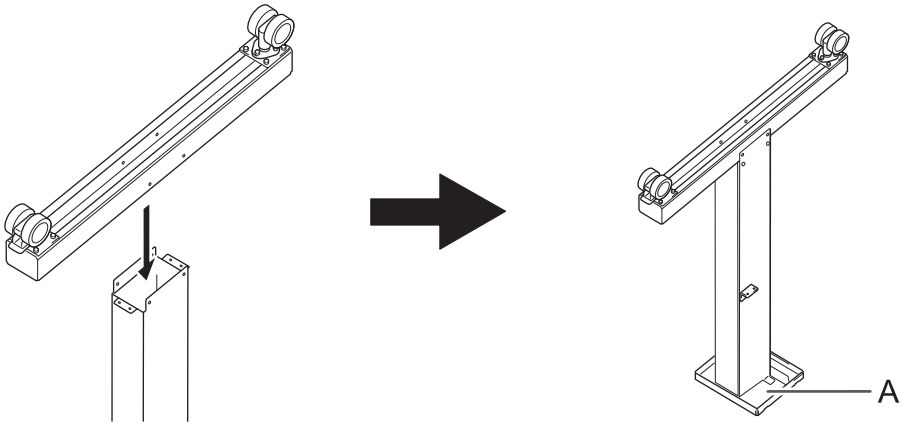
- Hexagonal wrench (1)
- Pipe (Use this when the hexagonal wrench is too short to easily tighten bolts) (1)

Step 1: Assembling the Stand

Procedure

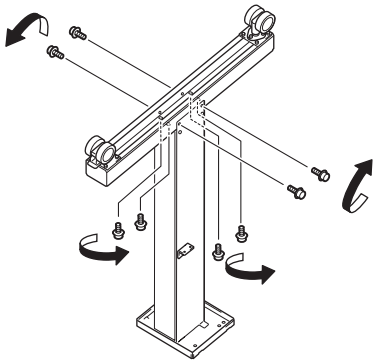
1. **Place the caster on the stand leg.**

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.

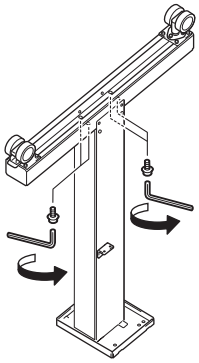


2. **Use eight bolts to secure the caster.**

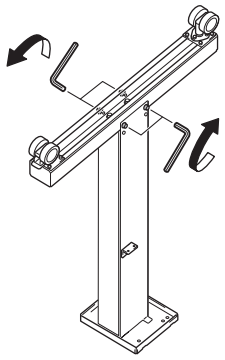
(1) **Temporarily tighten the bolts in the four lower locations and then in the four locations on the sides.**



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



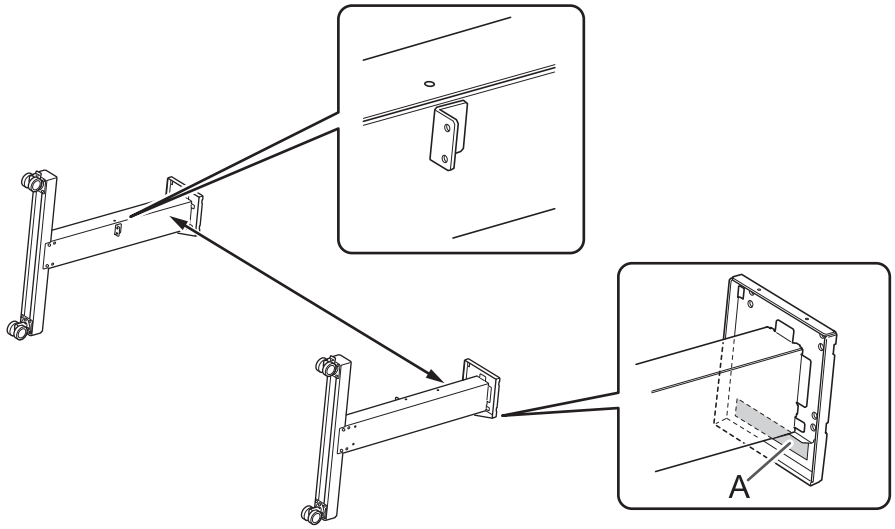
(3) **Fully tighten the bolts in the four locations on the sides.**



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

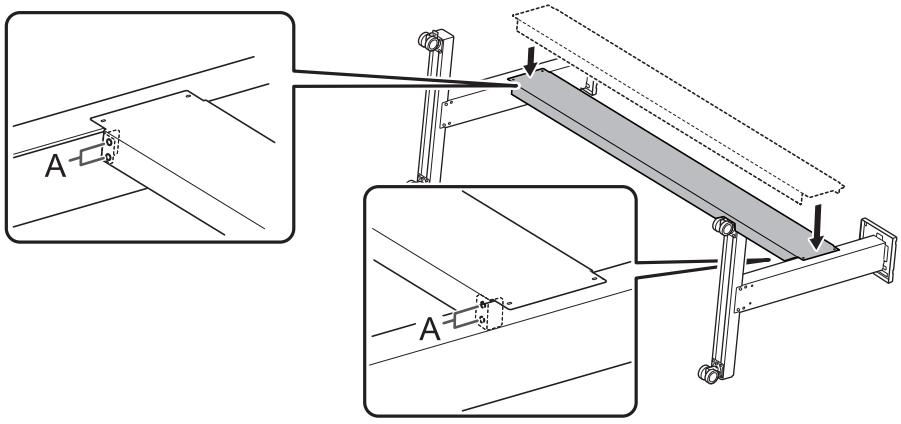
4. **Position the left and right stand legs parallel to each other and separated by approximately 1,800 mm (70.87 in.).**

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.



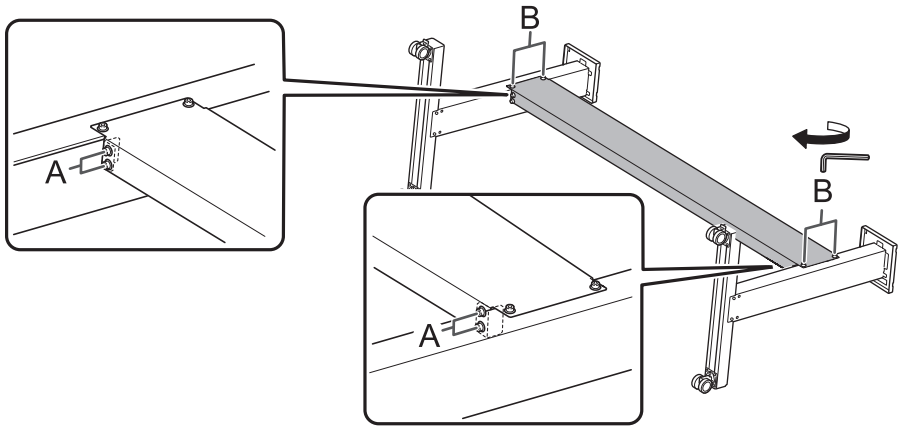
6. **Use eight bolts to secure the stand stay.**

(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

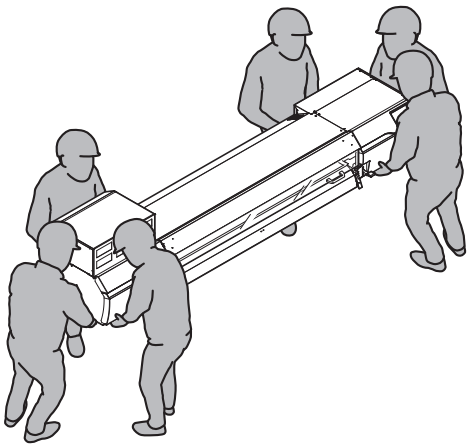
Be sure to perform this operation with two workers, each one holding one stand leg. If only one worker performs this operation, the stand stay may bend.

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.

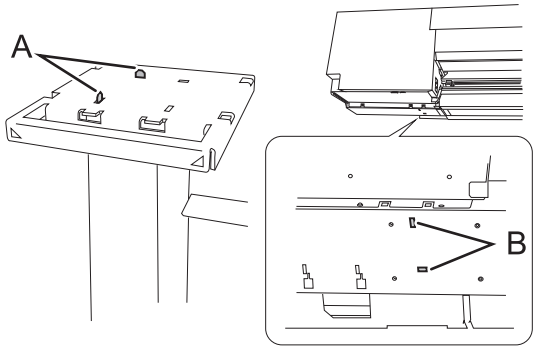


2. **Move the stand under the printer unit.**

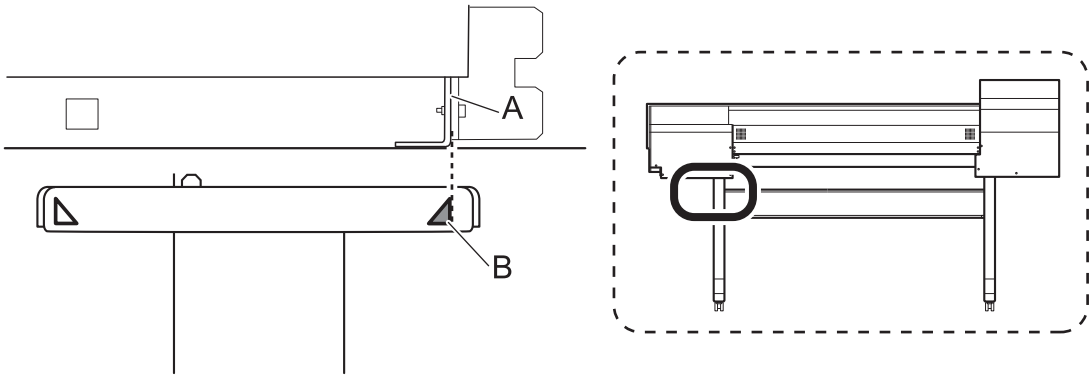
The stand must be moved by a worker other than those indicated in step 1.

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

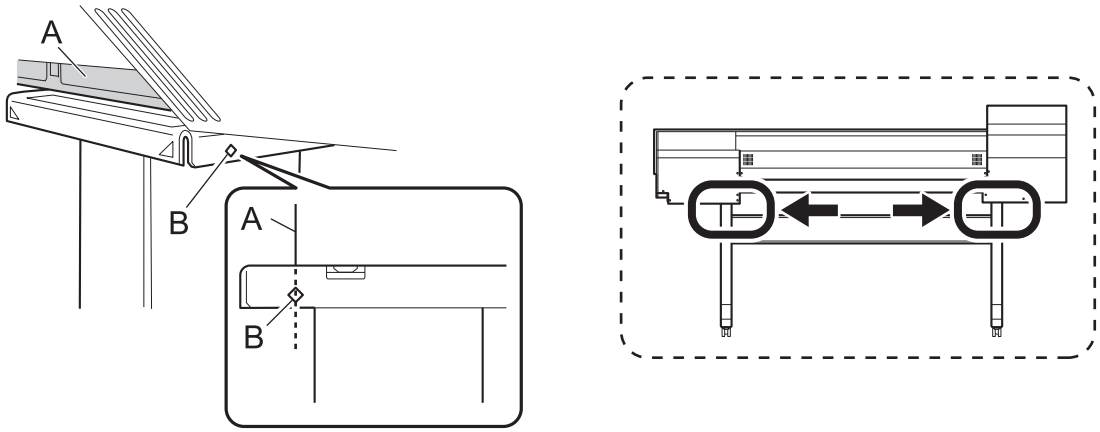
> IMPORTANT
>
> There are protrusions (A) on the tabletop plate. Inserting these protrusions into the slits (B) on the printer unit allows for alignment to the front, back, left, and right. After aligning these items, place the printer unit on the stand.



(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.**

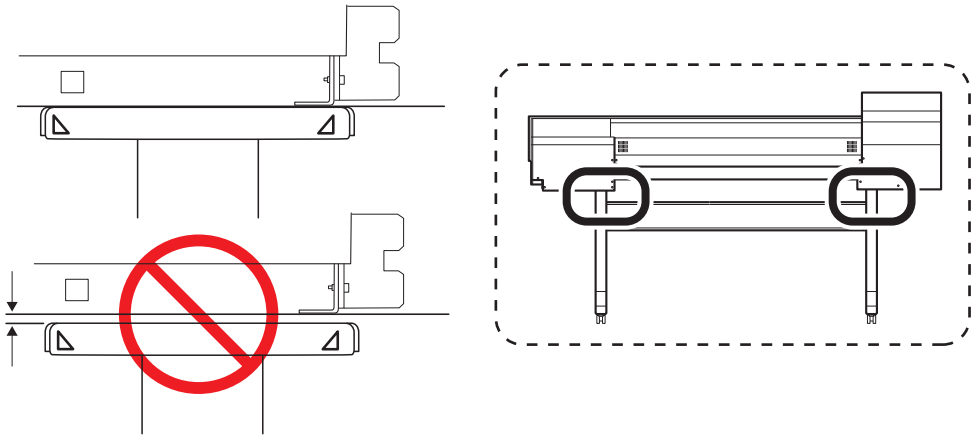
IMPORTANT

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.

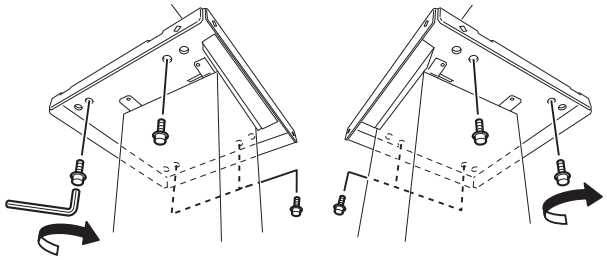


6. **Secure the printer unit on the stand.**

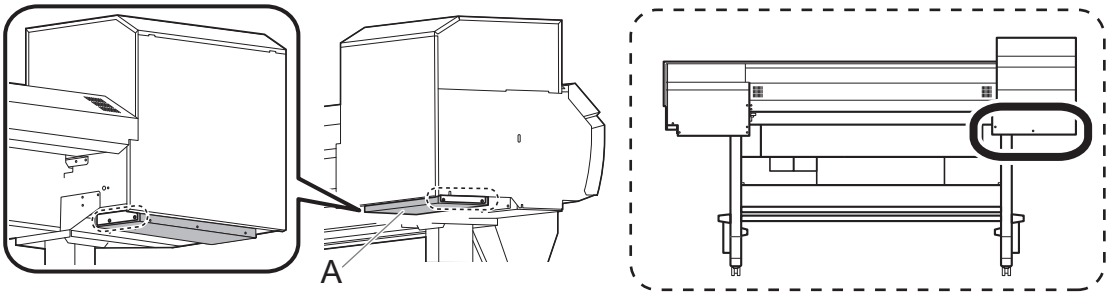
(1) **Lift the back of the printer up slightly to make it level.**

(2) **Temporarily tighten the eight bolts.**

(3) **Fully tighten the eight bolts.**



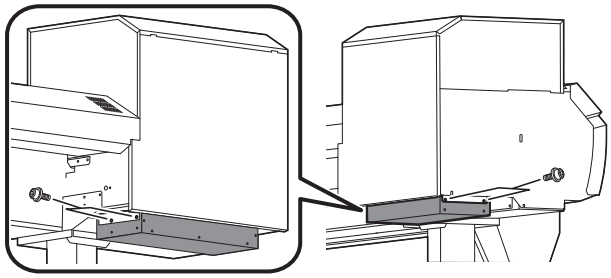
7. **Move to the rear of the machine, and remove the four bolts while gently supporting the subtank (A).**



8. **Slowly release your hand from the subtank.**

The subtank descends approximately 30 mm (1.18 in.).

9. **Using the bolts removed in step 7, temporarily tighten these four bolts.**



10. **Fully tighten the four bolts.**

The subtank is fixed in the position to which it descended.

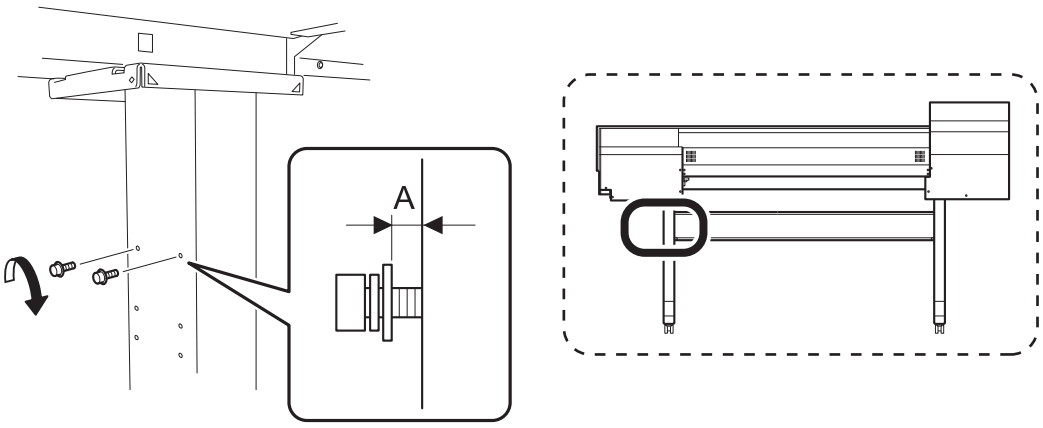
Step 3: Installing the Media Holders and Media Stays

1. Attach arm A.

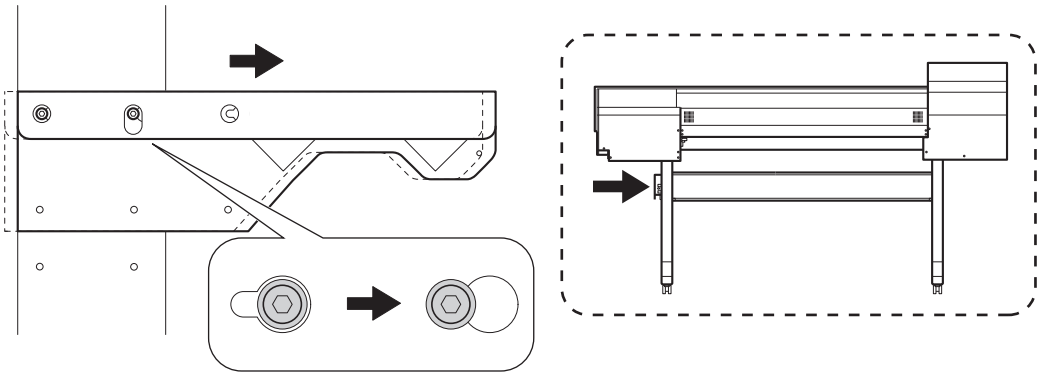
Procedure

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).

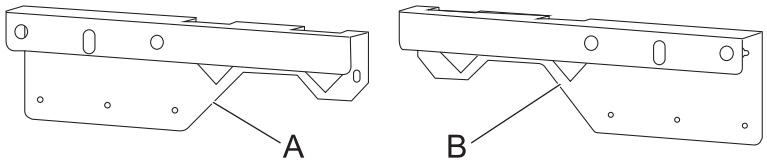


2. **Attach arm A (left) to the temporarily tightened bolts, and then slide this arm to the right.**



MEMO

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



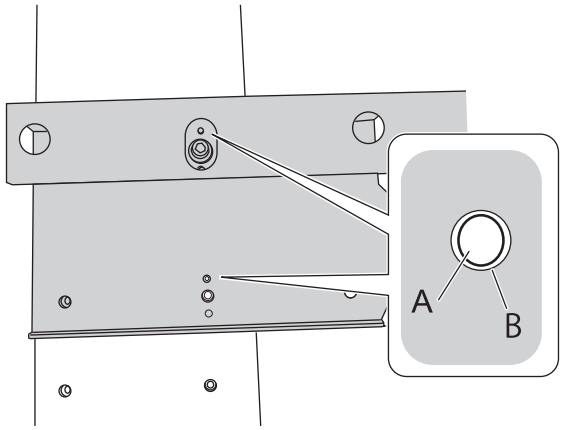
3. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

MEMO

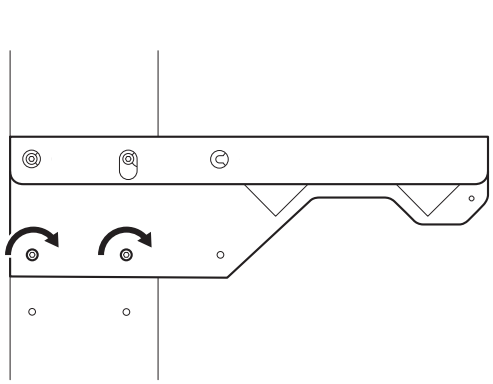
Hold the pieces together so there is no gap between arm A (left) and stand when tightening the bolts.

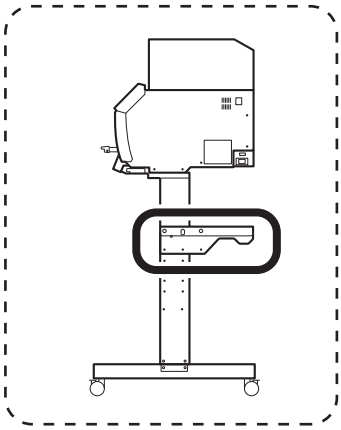
4. **Make sure the protrusion on the stand leg (A) is in the center of the hole on arm A (B).**

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

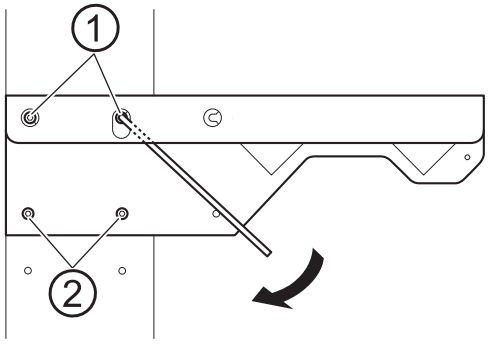


5. **Temporarily tighten the bolts at the bottom of arm A (left).**





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

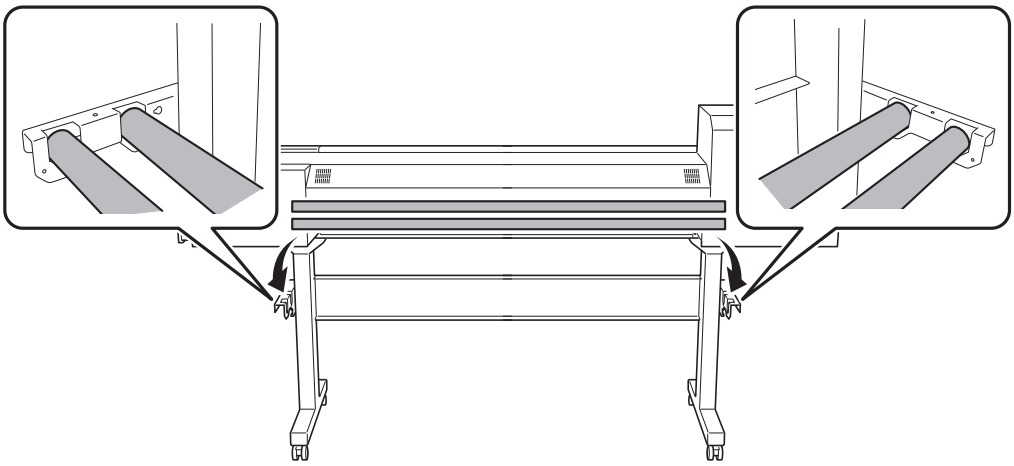


7. **In the same manner, attach arm A (right) to the right side as seen from the rear of the printer.**

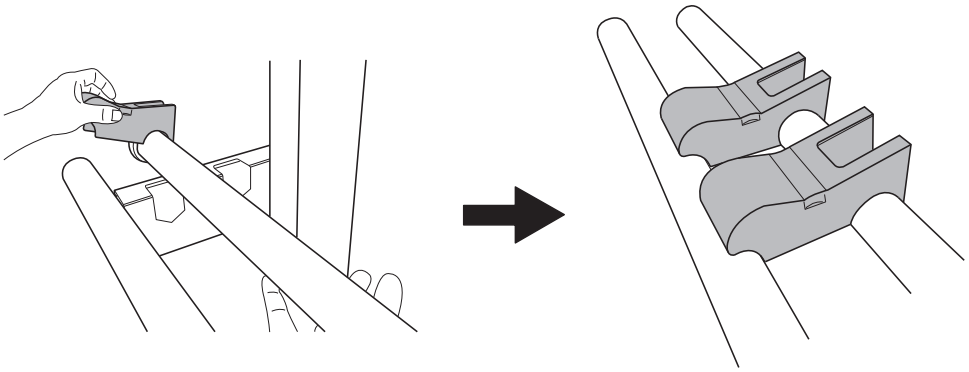
2. Attach the media holders.

Procedure

1. **Place the two shafts on the arms.**



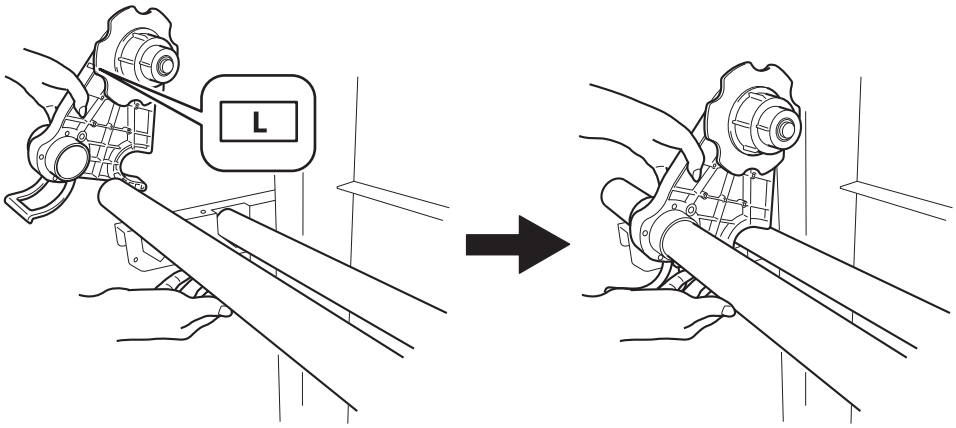
2. **Pass the rear shaft through the two media stays.**



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.**

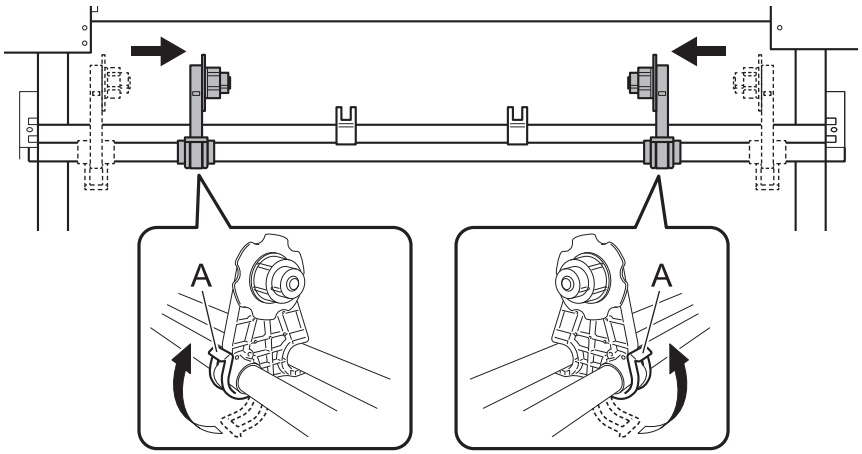


4. **Attach the right media holder in the same manner.**

Use the media holder with an R label.

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

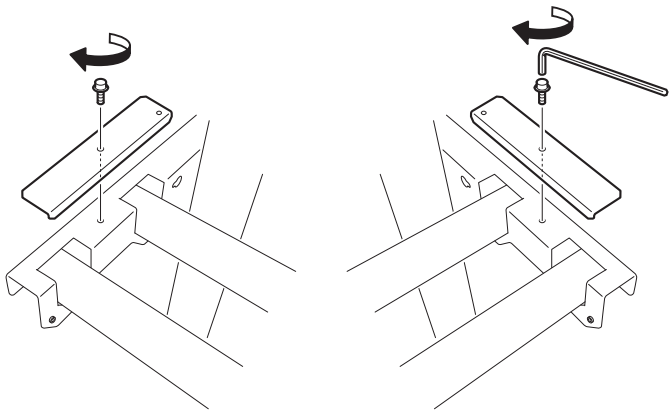
Position the media holders approximately 100 mm (3.94 in.) from the edges.



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

MEMO

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



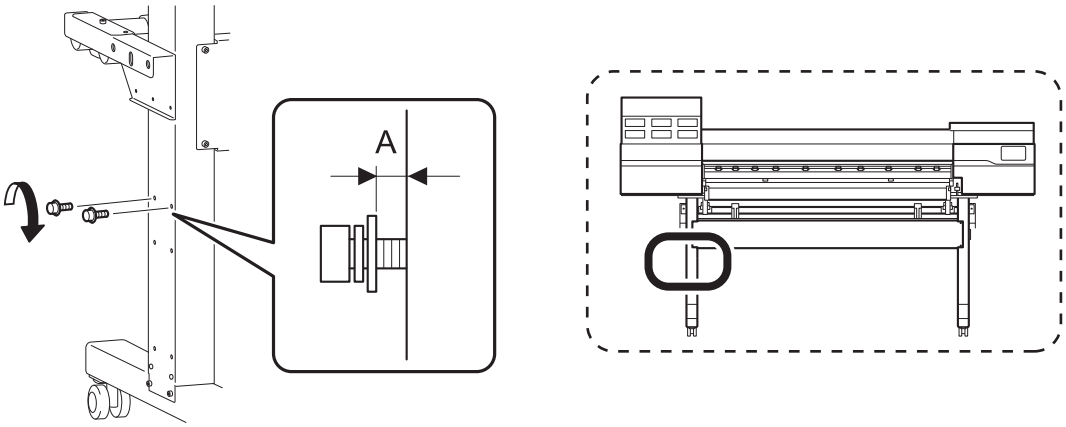
Step 4: Assembling the Media Take-up Unit

1. Attach arm A.

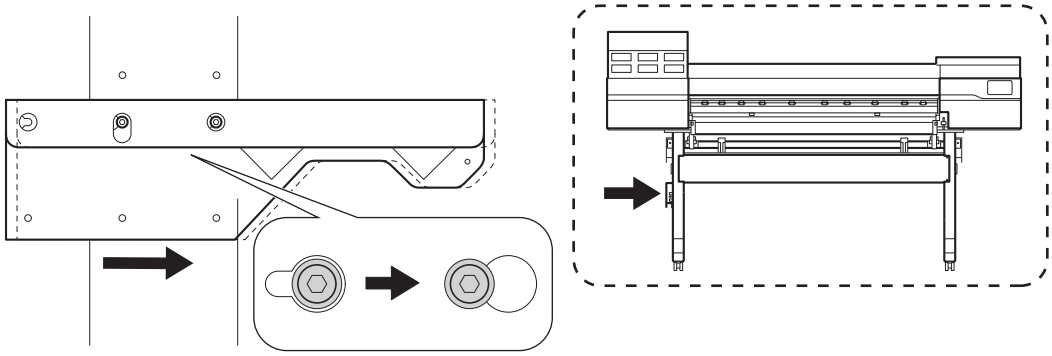
Procedure

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).

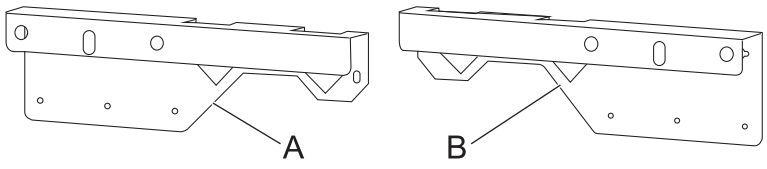


2. **Attach arm A (left) to the temporarily tightened bolts, and then slide this arm to the right.**



MEMO

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



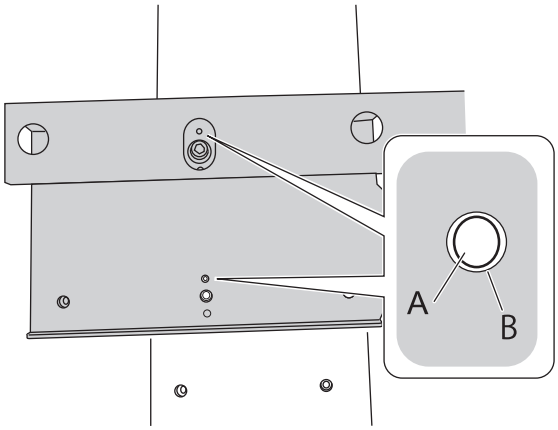
3. **By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.**

IMPORTANT

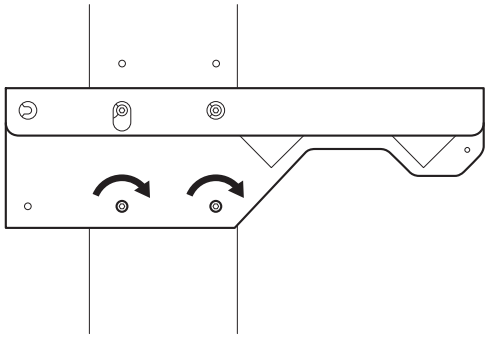
Hold the pieces together so there is no gap between arm A (left) and stand when tightening the bolts.

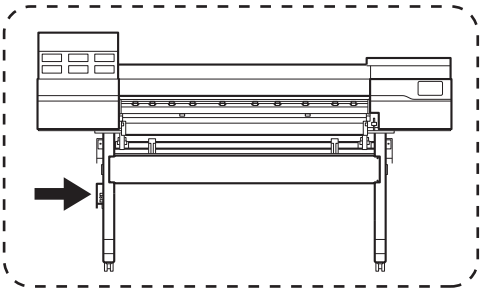
4. **Make sure the protrusion on the stand leg (A) is in the center of the hole on arm A (B).**

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

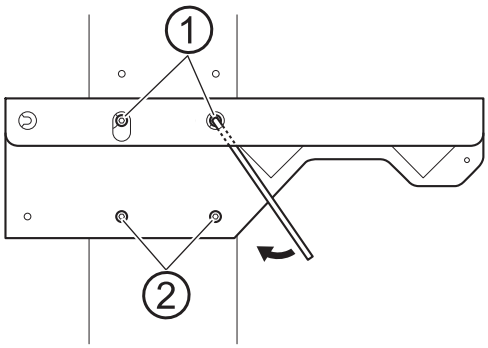


5. **Temporarily tighten the bolts at the bottom of arm A (left).**





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.

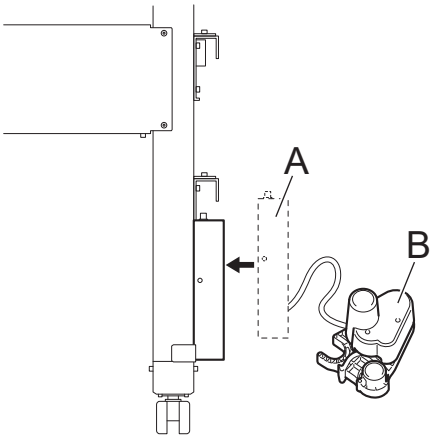
Procedure

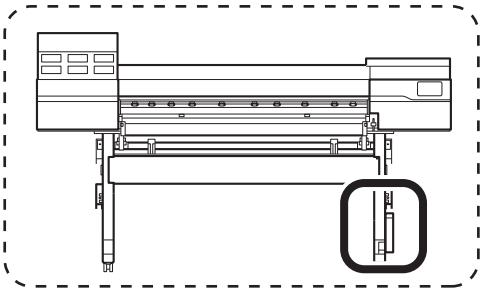
1. Place the control box (A) on the right stand leg.

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

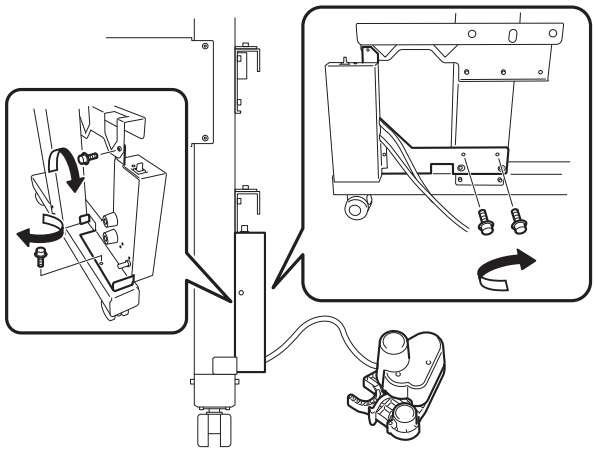
IMPORTANT

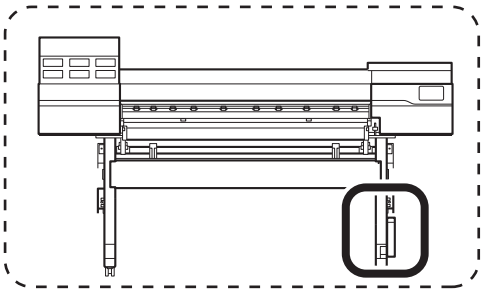
The control box (A) and the motorized media holder (B) are connected with a wire. Do not subject this wire to excessive force.





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



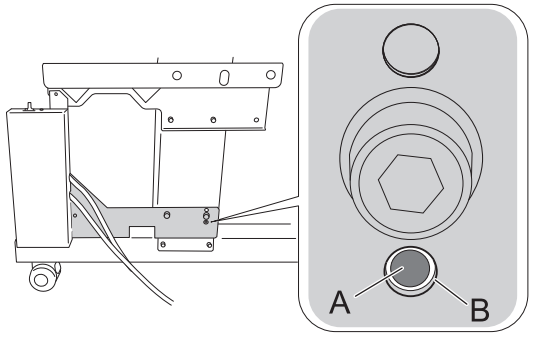


3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

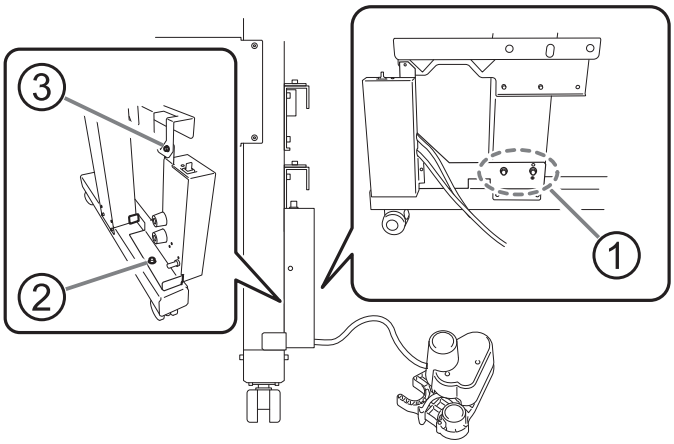
Hold the pieces together so there is no gap between the outside surface of the stand leg and the control box stay when tightening the bolts.

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.**



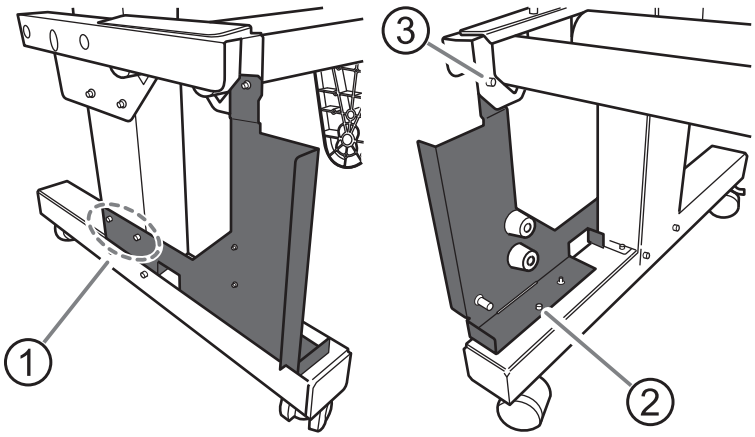
6. **Place the left stay on the left stand leg in the same manner as the control box.**

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.**

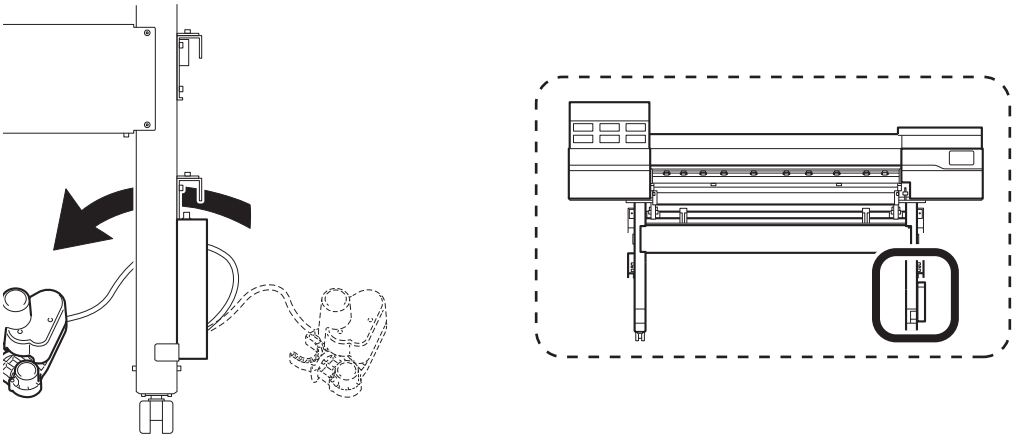


3. Attach the media holders.

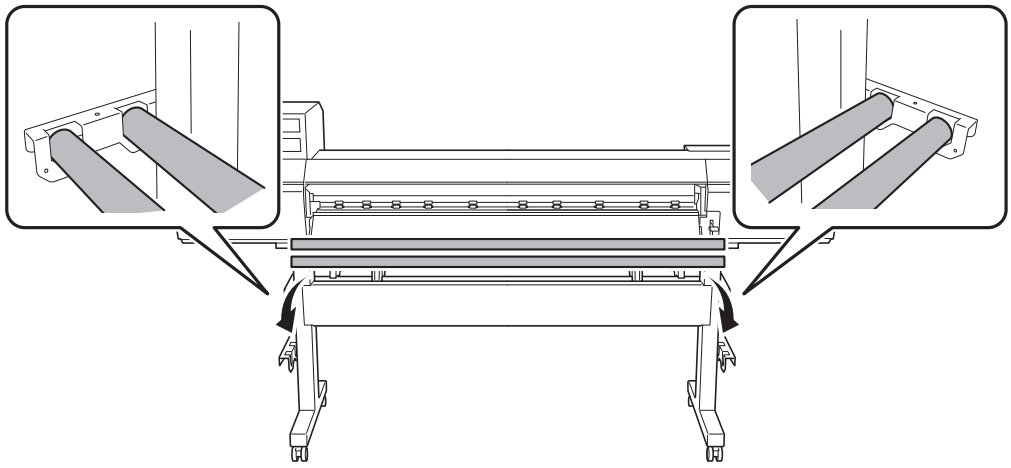
Procedure

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

Be sure to pass this holder behind the stand.



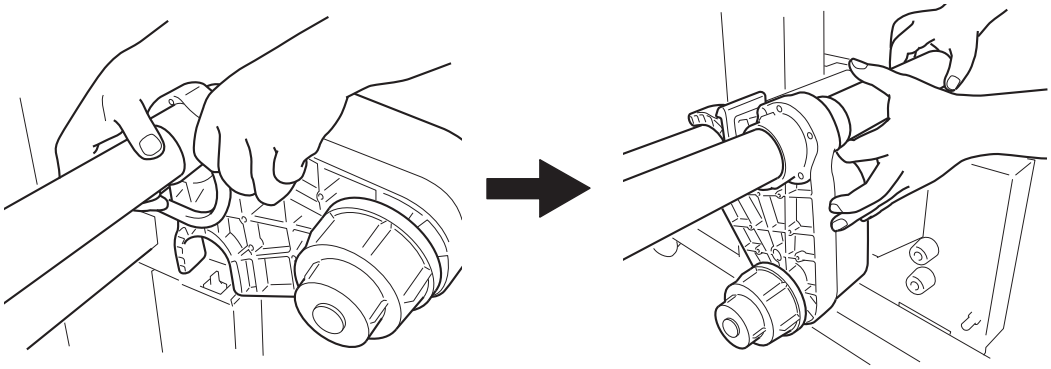
2. **Place the two shafts on arm A.**



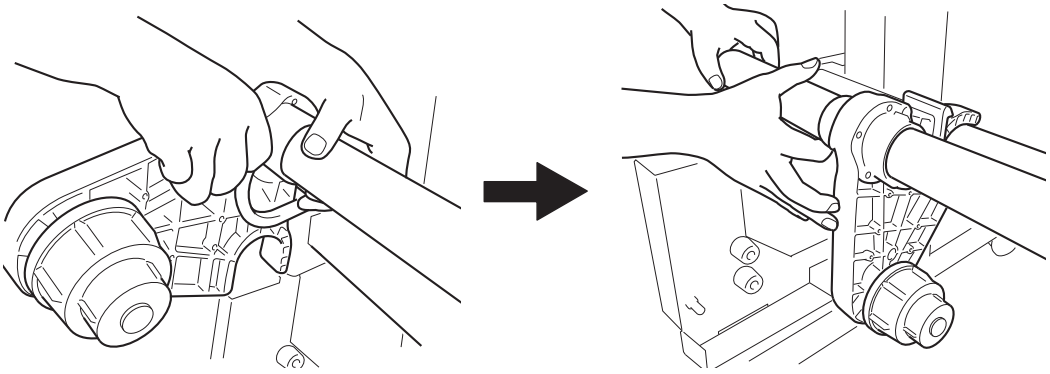
3. **Pass the shaft through the motorized media holder.**

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

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

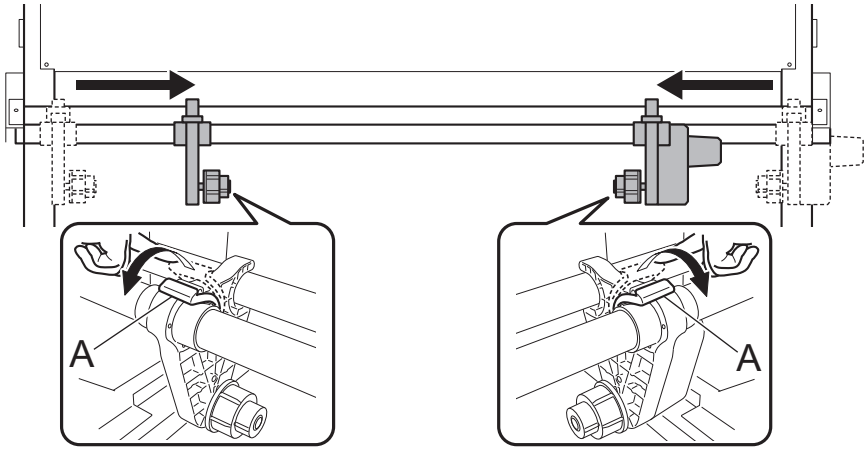


4. **In the same manner, pass the shaft through the left media holder on the left side of the printer as seen from its front.**



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

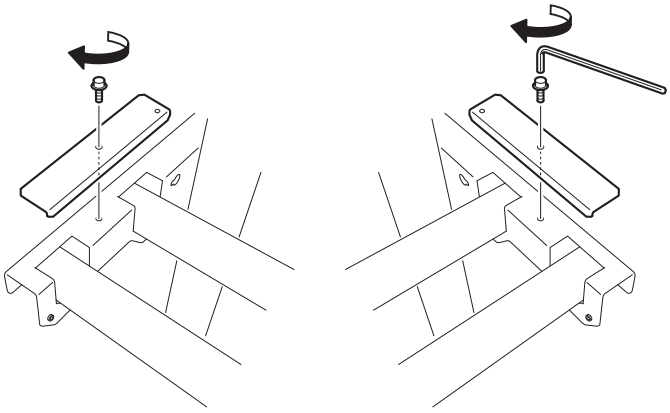
Leave approximately 100 mm (3.94 in.) of space from the edges.



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

IMPORTANT

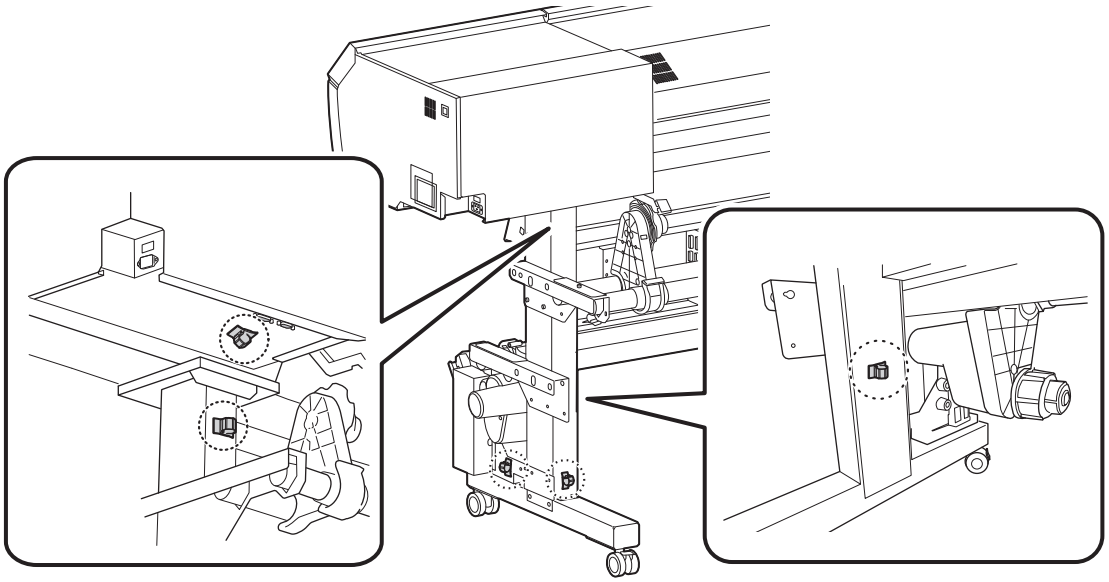
Ensure the media holders do not get caught in the shaft clamps.



4. Attach the cable clamps and the cable.

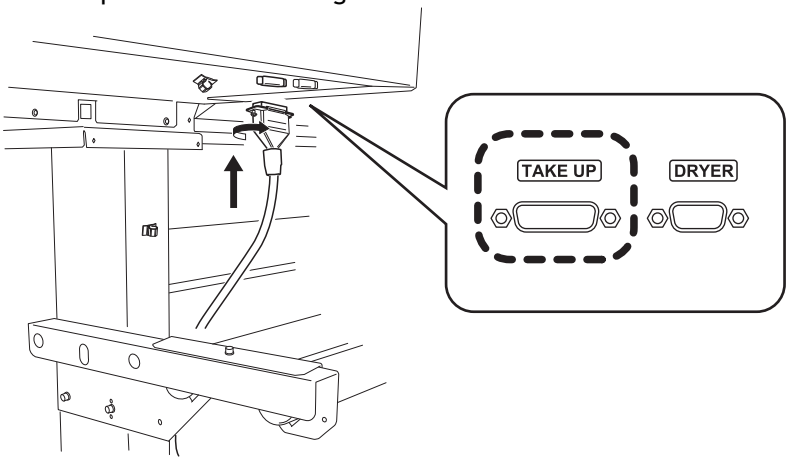
Procedure

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

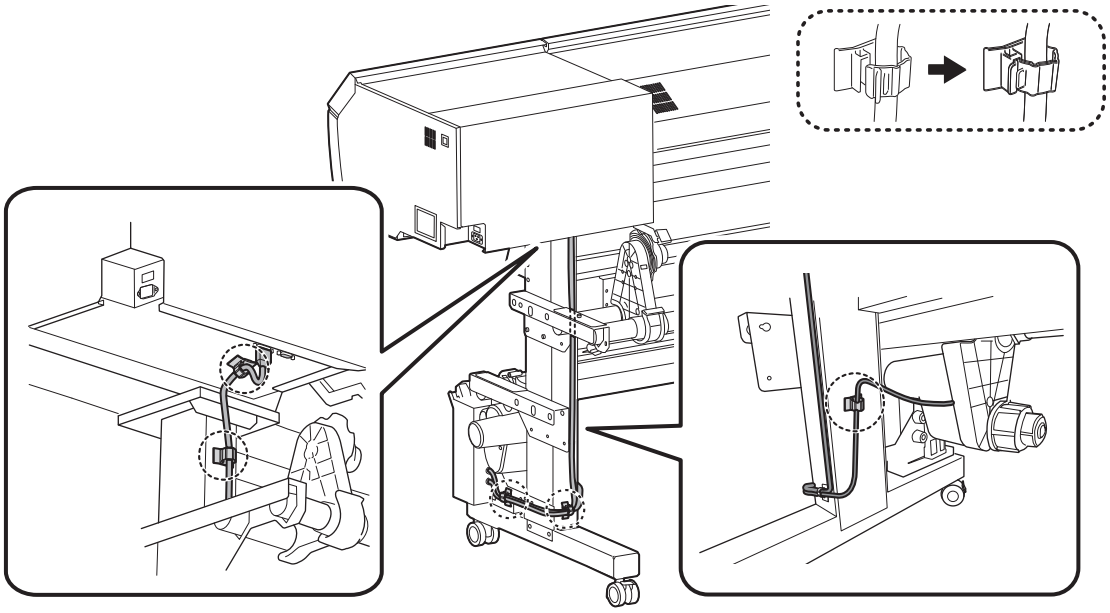


2. **Connect the control box cable to the [TAKE UP] connector on the unit.**

- 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 five cable clamps.**



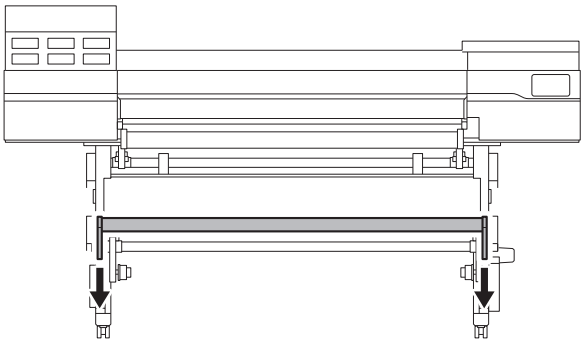
5. Install the dancer roller.

Procedure

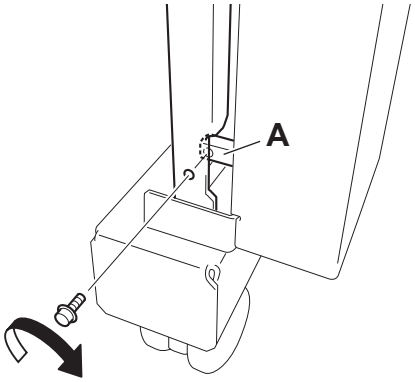
1. **Raise the dancer roller and place it on the stand legs.**

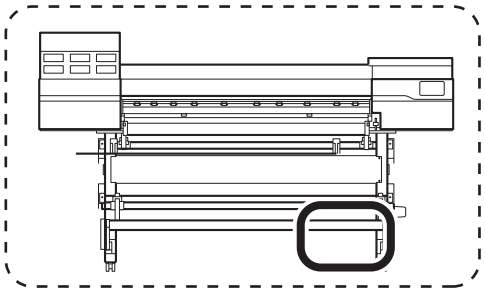
MEMO

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.**

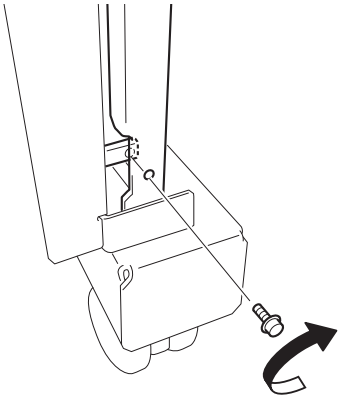


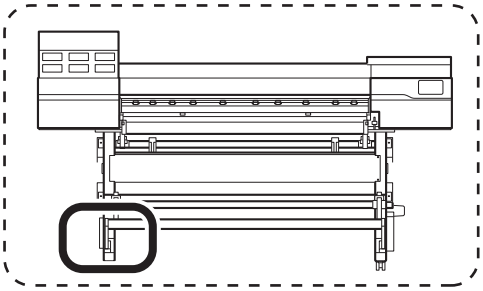


3. **On the left side of the dancer roller, temporarily tighten the bolt.**

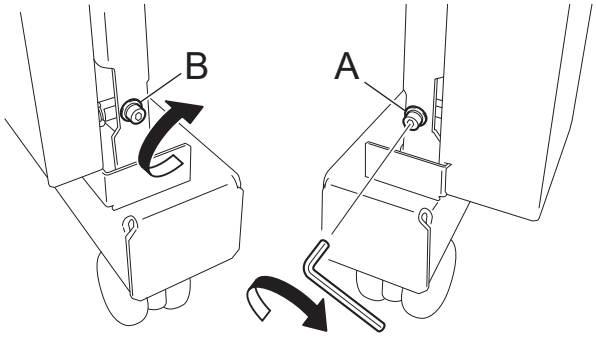
MEMO

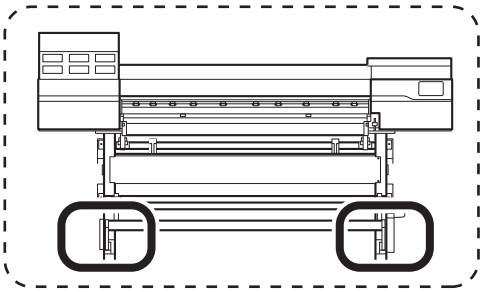
Both sides of the shaft are flat on the left side of the dancer roller.





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

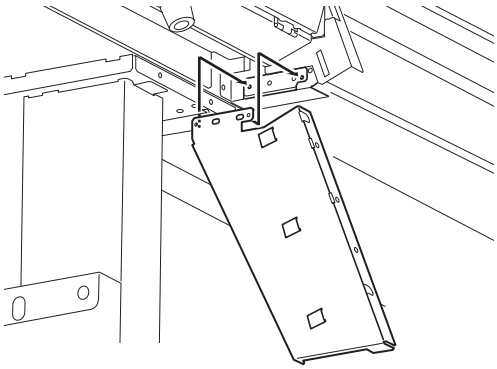
1. Attach arm B.

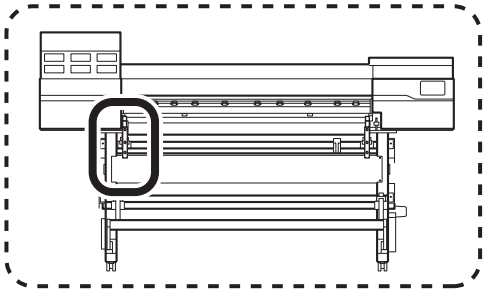
Procedure

1. **Open the front cover.**

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

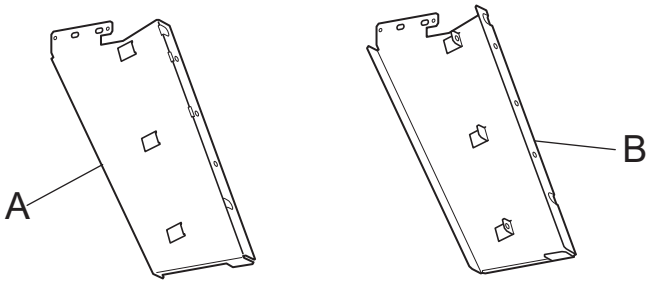
Align the protrusions on the machine side with the holes on arm B.





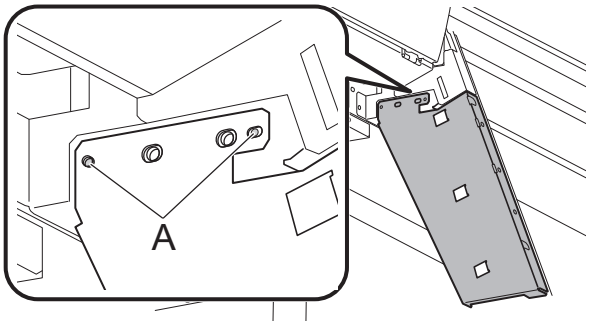
MEMO

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

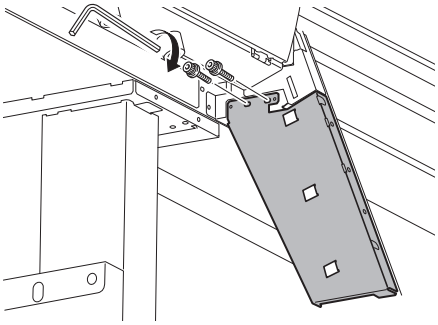


3. **With the protrusions on the machine (A) in the holes on arm B, tighten the two bolts by hand until there is no gap between the machine and the arm.**

Move arm B until these protrusions are in the holes.



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

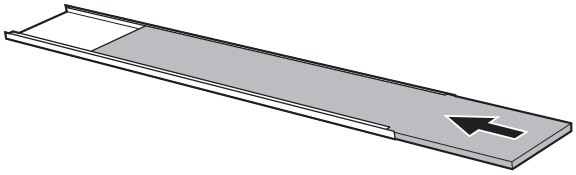


5. In the same manner, attach arm B (right) to the right side as seen from the front of the printer.

2. Attach the extension apron and extension cover.

Procedure

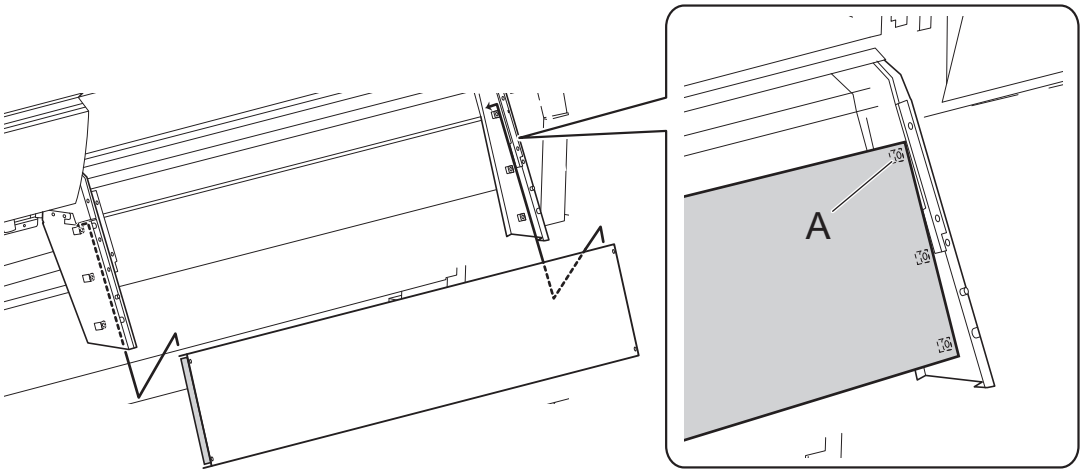
1. Insert the insulating material for the extension apron into the back side of the extension apron.



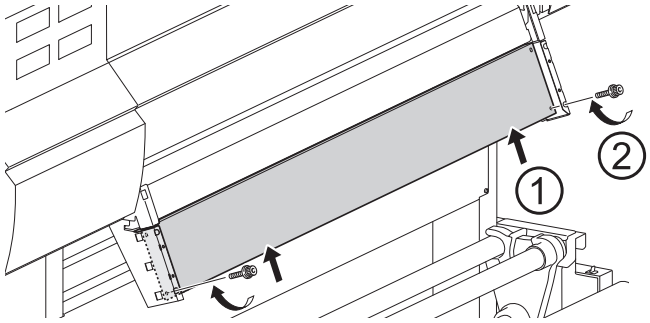
2. Place the extension apron on the inner side of the arm.

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

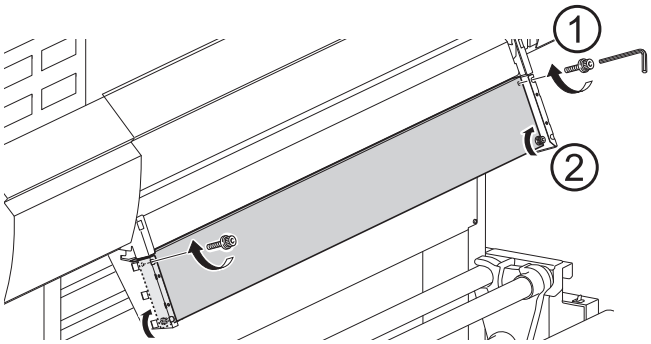
(2) Place the extension apron on top of the topmost bend in the arm (of the three bends in the arm) (A).



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

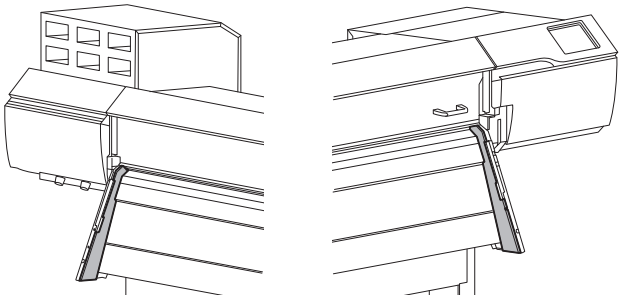


4. While pushing the extension apron upward, fully tighten the top two bolts ① and the bottom two bolts ②, in this order.



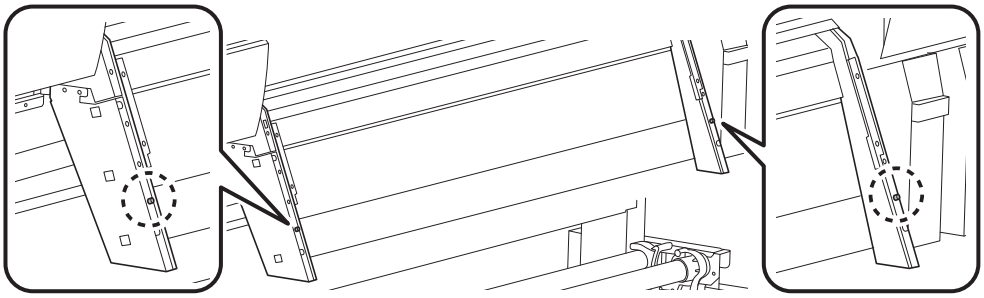
5. **Insert the insulating materials for arms (right and left) into the space between the arm and the extension apron.**

Push the insulating materials all the way to the back.



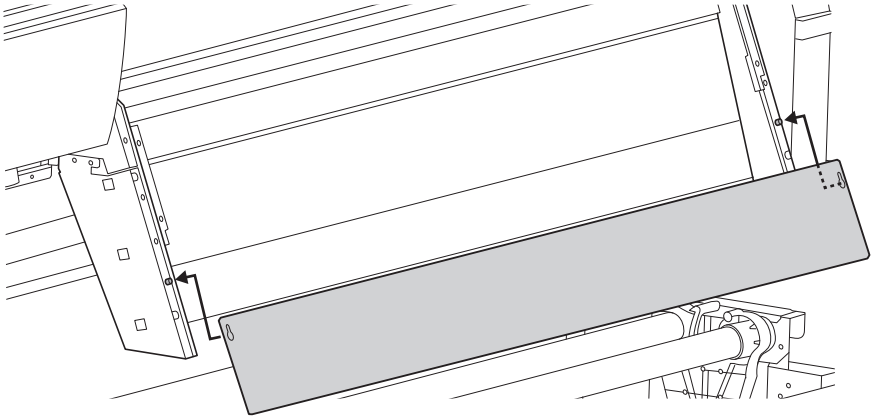
6. **Temporarily attach the extension cover.**

(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

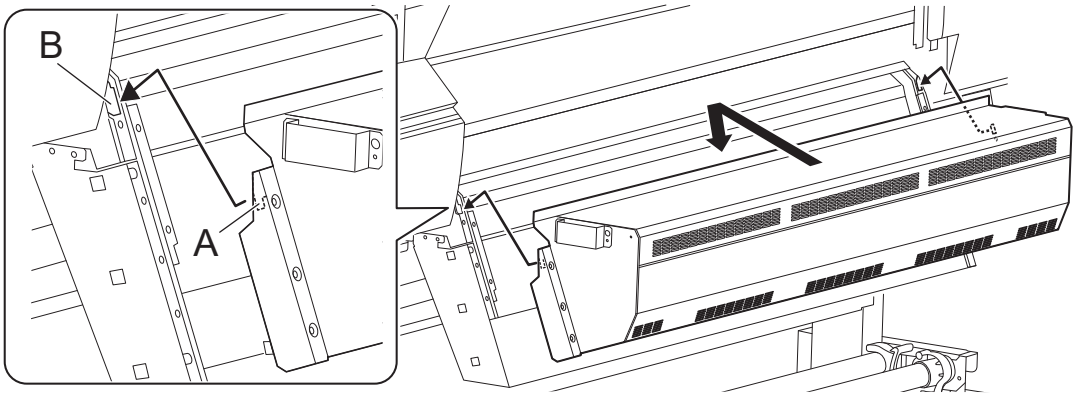
Always have two people to hold and install the dryer.

Procedure

1. **Open the front cover.**

2. **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.



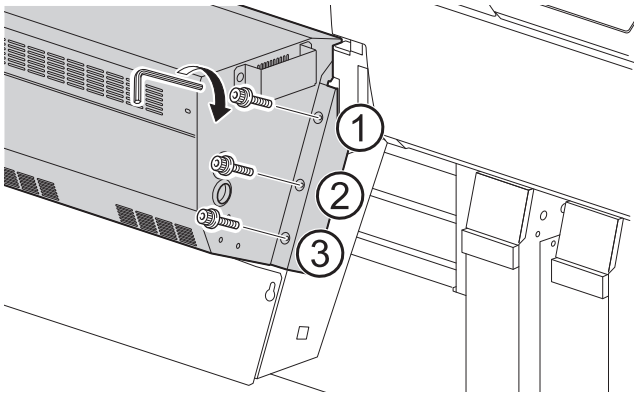
3. **Adjust the horizontal position of the dryer to align the bolt attachment holes and temporarily tighten the six bolts.**

MEMO

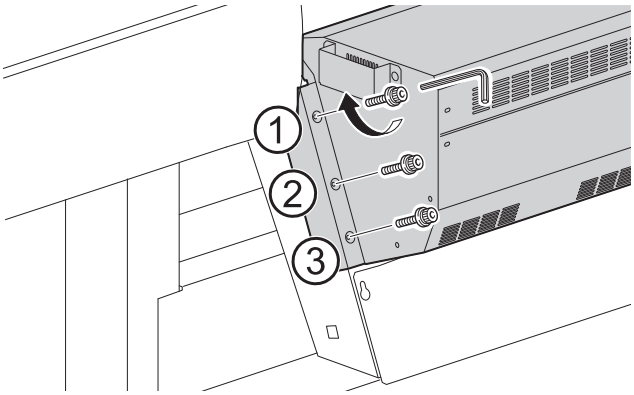
If the dryer holes and the arm B holes do not match, remove the dryer and adjust the position of arm B.

- 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.

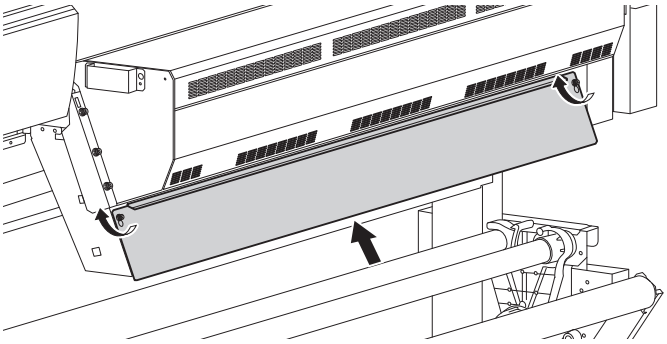
4. **Fully tighten the three bolts on the right side as seen from the front of the printer.**



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



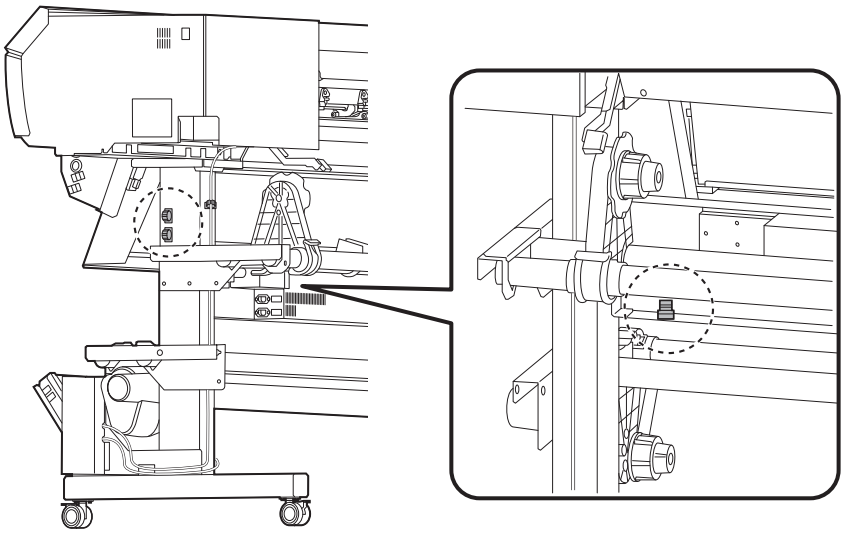
6. **Fully tighten the extension cover bolts while pushing the extension cover against the dryer.**



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.**

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

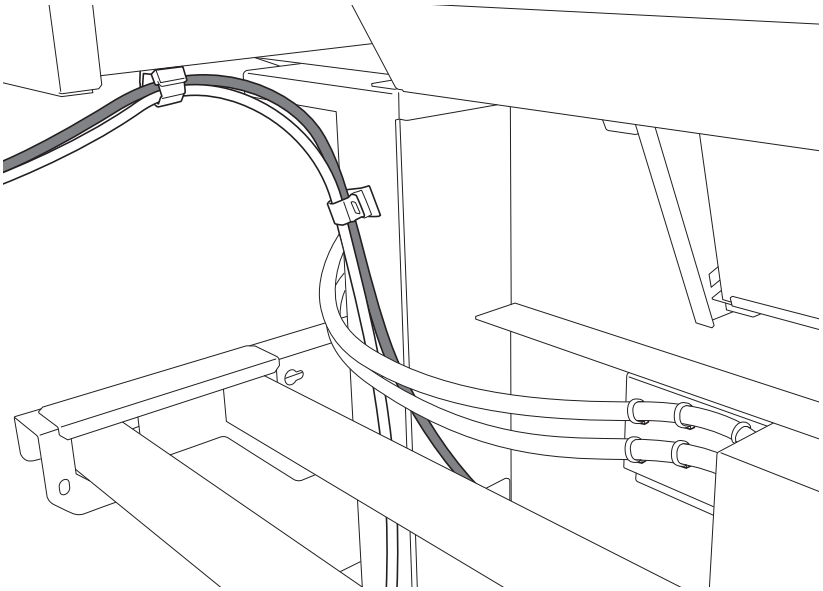
> ⚠ CAUTION
>
> **Leave this work to a suitably qualified worker.**
> This procedure includes work near sources of electrical danger and complex assembly work. Incorrect work may result in injury and mechanical malfunction.

> 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.**

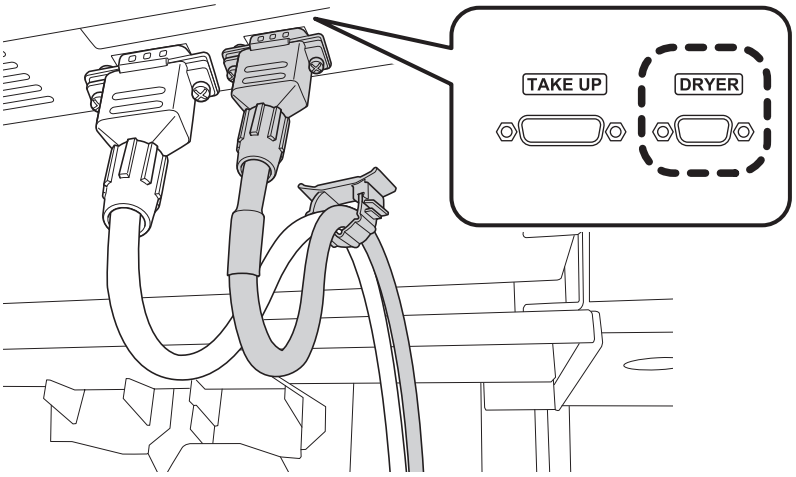
(1) **Secure the cable with two clamps as shown in the figure.**

- 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.

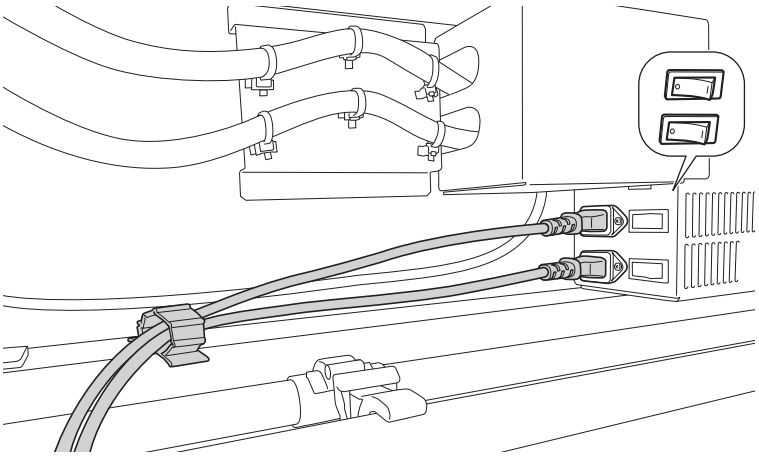


4. **Connect the two power cables for the dryer controller.**

(1) **Connect the two power cables while the switch is turned off.**

(2) **Secure the two power cables with the clamp.**

Do not connect to the electrical outlet yet.

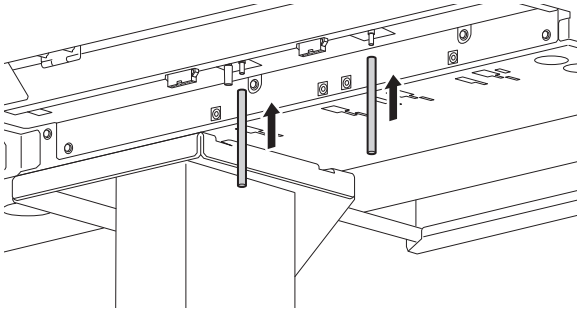


Step 6: Installing the Drain Bottle

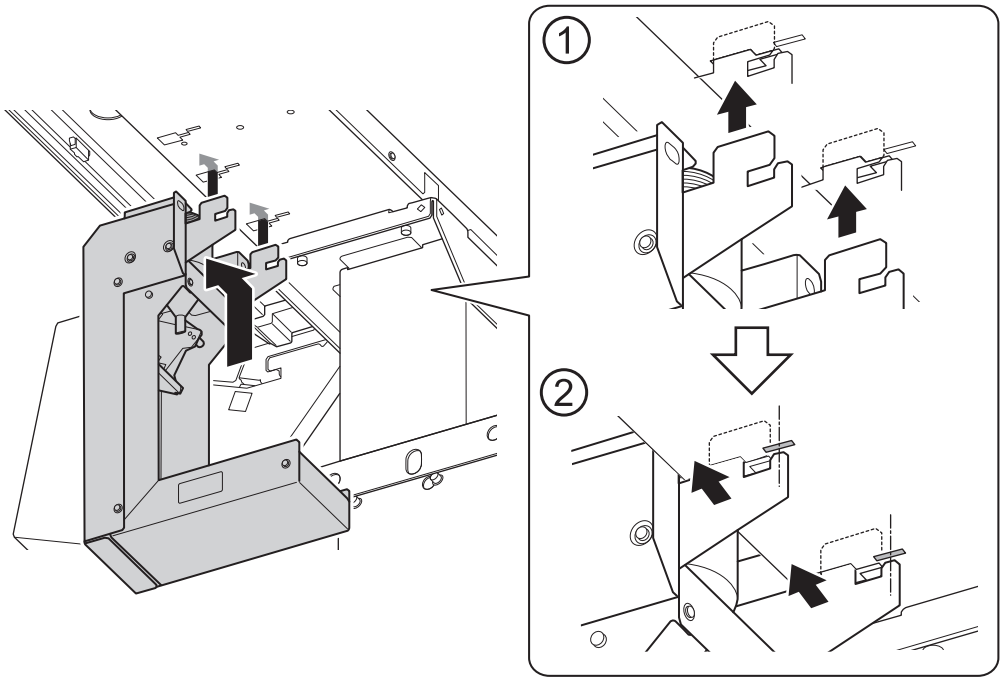
There are two types of drain bottles: one for CMYK (outside) and the other for the optimizer (inside). The installation procedure is for installing the drain bottle inside, but the same procedure can be used for installing the drain bottle outside.

Procedure

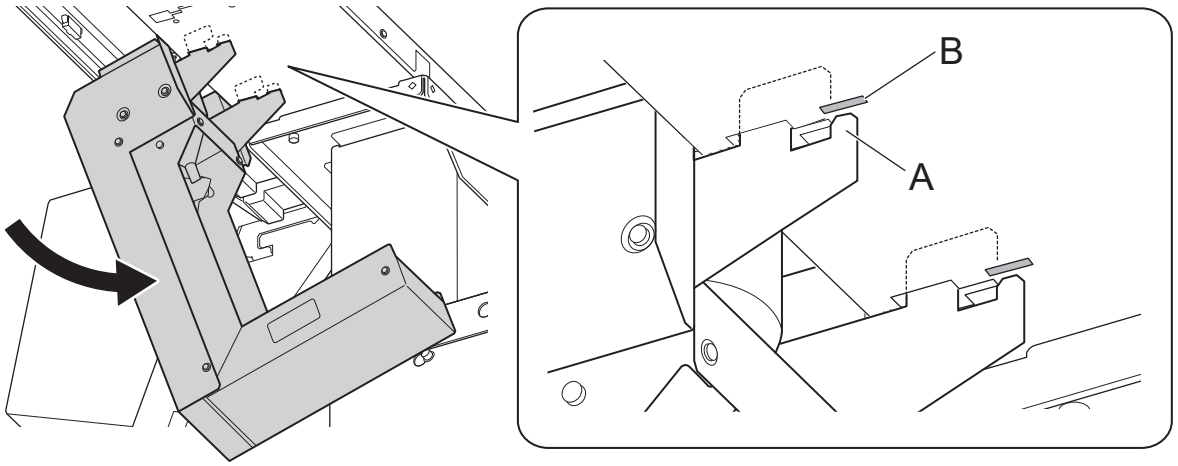
1. **Connect two tubes to the connectors of the machine.**



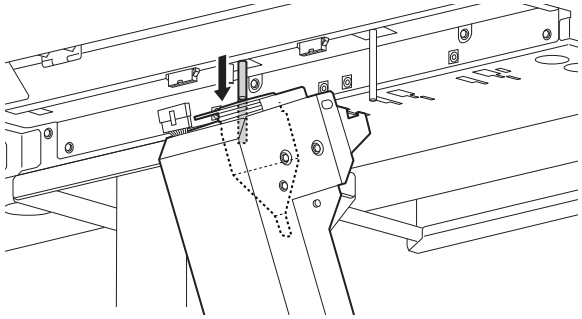
2. **Insert the drain bottle stand into the grooves ①, and then slide it to the right ②.**



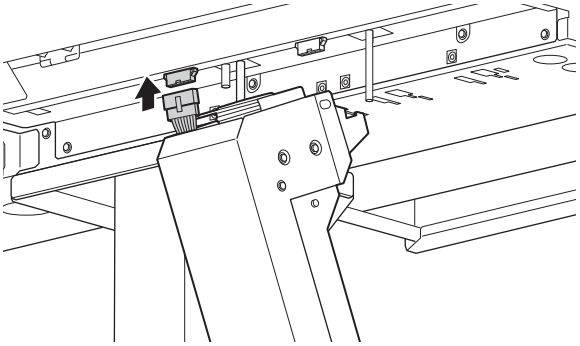
Insert the hooks (A) into the grooves (B), matching the status indicated in the figure.



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

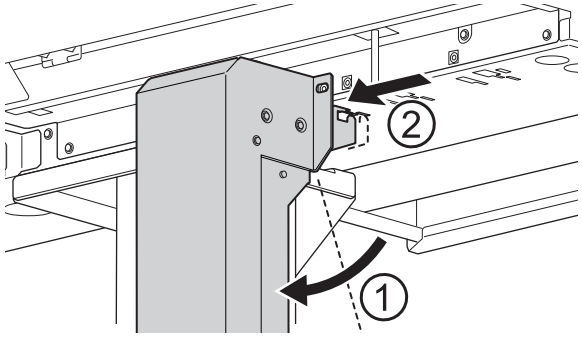


4. **Connect the drain bottle stand connector to the unit.**

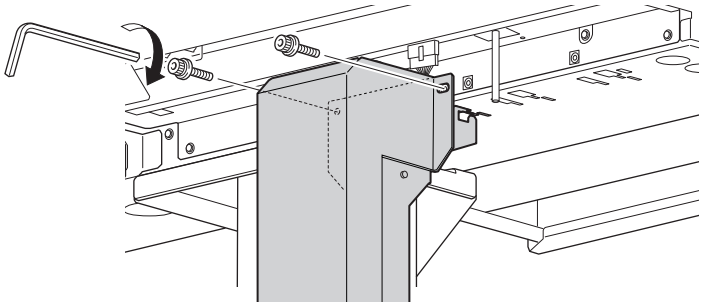


5. **Stand up the drain bottle stand so it is vertical ①, and then slide it to the left ②.**

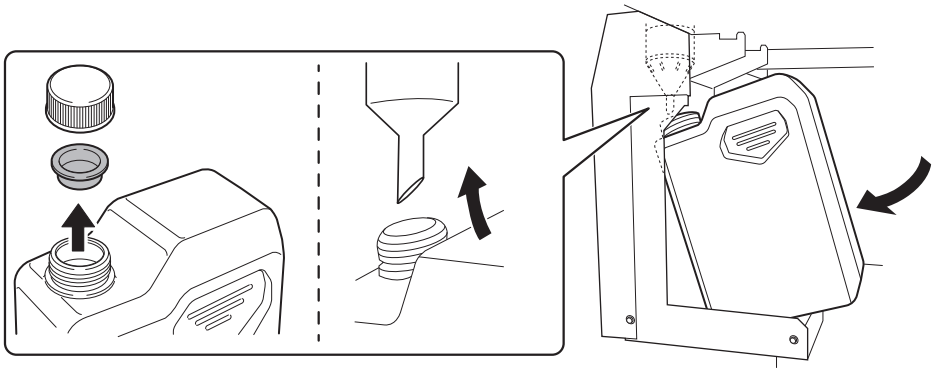
Stand up the drain bottle stand until the hooks come completely free from the grooves.



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

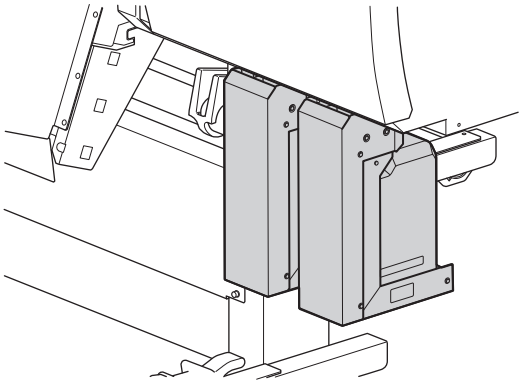


7. **Install the drain bottle in the bottle stand.**



8. **Install the other drain bottle stand, using the same procedure.**

Two drain bottles attached to the machine



Step 7: Removing the Retainers

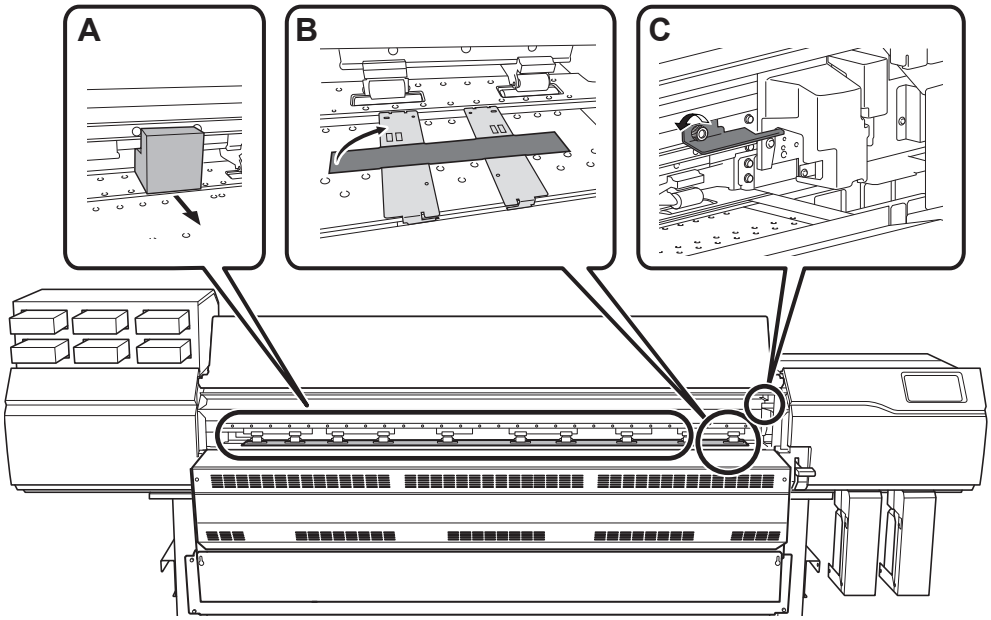
IMPORTANT

- 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

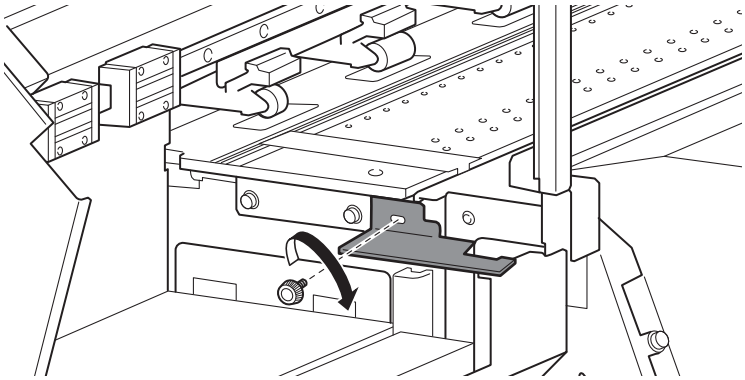
1. **Open the front cover.**

2. **Remove all the retainers.**



3. **Install the retainer indicated by C at the position indicated in the figure for storage.**

Use the bolt removed in step 2.



4. **Close the front cover.**

Step 8: Installing the Print Heads

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 9: Filling with Cleaning Liquid

Items Used in this Procedure

- Cleaning liquid bottle

IMPORTANT

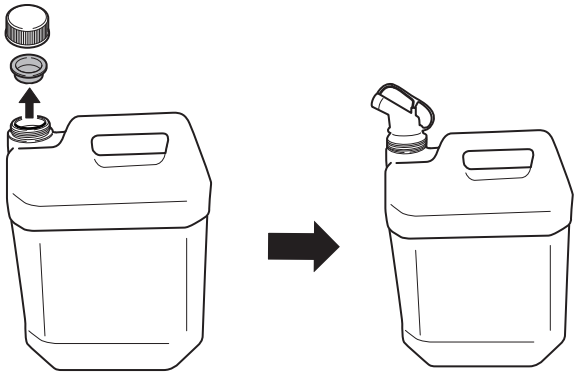
- Be sure to use cleaning liquid that has not expired.
- Never, under any circumstances, use anything other than the specified type of cleaning liquid.
- The cleaning liquid vaporizes. After filling the cleaning liquid tank with cleaning liquid, close the caps of the tank and the cleaning liquid bottle.
- The cleaning liquid must be purchased separately. Contact your authorized Roland DG Corporation dealer or visit our website (https://www.rolanddg.com/).

Procedure

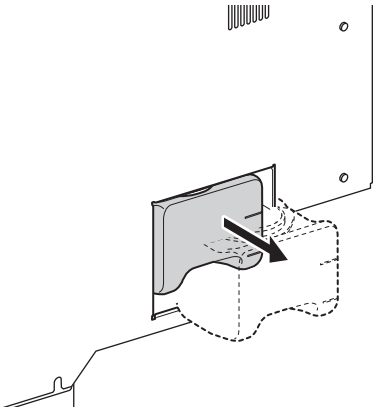
1. **Prepare the cleaning liquid bottle.**

   IMPORTANT

   Insert the nozzle firmly into the mouth of the cleaning liquid bottle.

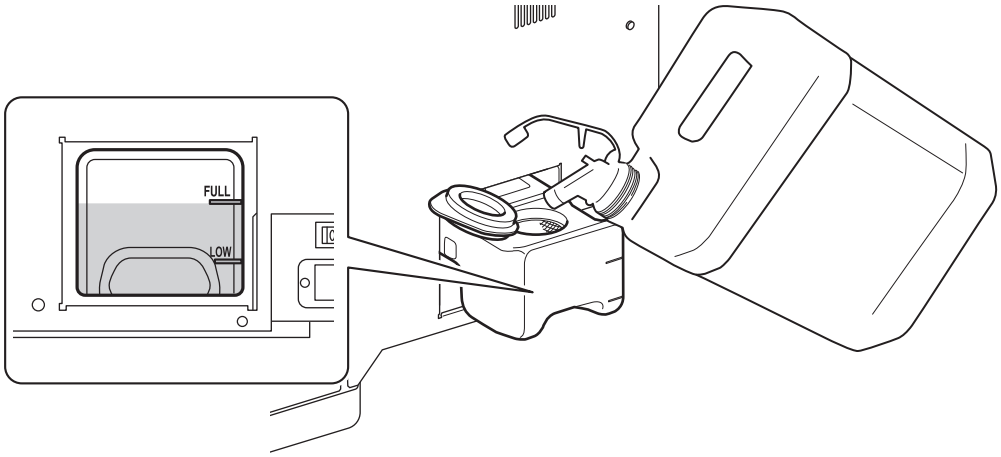
2. **Pull the cleaning liquid tank out from the side of the printer.**

3. **Open the lid of the cleaning liquid tank, and then fill it with cleaning liquid to the "Full" line.**

   IMPORTANT

   Do not fill past the "Full" line.



4. Close the lid of the cleaning liquid tank, and then slowly return this tank to its position in the printer.

5. Close the cap of the cleaning liquid bottle nozzle and the air hole.

Step 10: Preparing the Ink

Items Used in this Procedure

- Pouch trays (6)
- Ink pouches (each color)

IMPORTANT

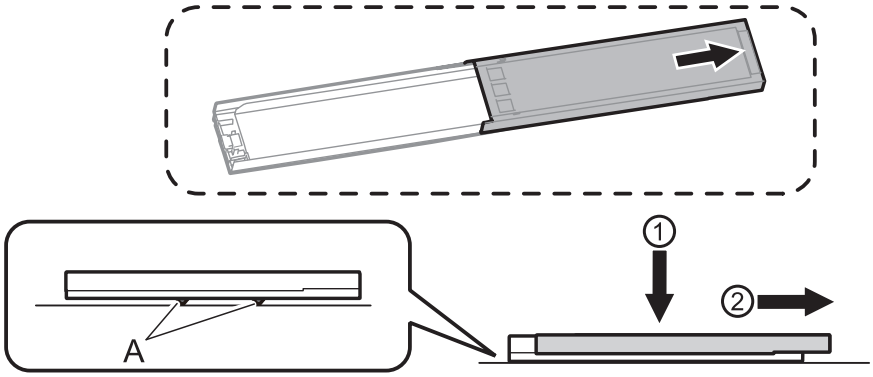
- Be sure to use new ink pouches.
- Never under any circumstances use anything other than the specified type of ink.
- The ink pouches must be purchased separately. Contact your authorized Roland DG Corporation dealer or visit our website (https://www.rolanddg.com/).

Procedure

1. **Place the pouch tray on a flat surface.**

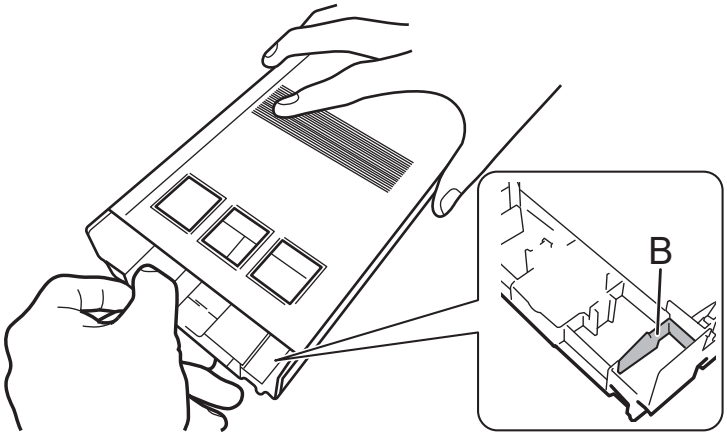


2. **Push in the hooks (A) on the bottom of the pouch tray ①, and then slide the lid ② to open it fully.**



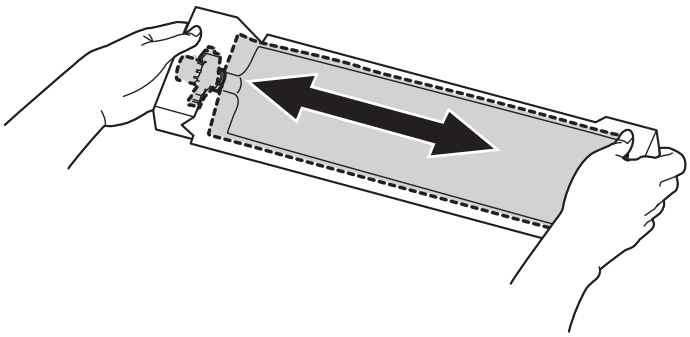
IMPORTANT

When opening the lid, hold it as shown in the figure and do not touch (B). Doing so may cause damage.



3. **Remove the inner box from the ink pouch packing box, and then gently shake the inner box.**

To protect the ink pouch, shake it while it is still inside the inner box.

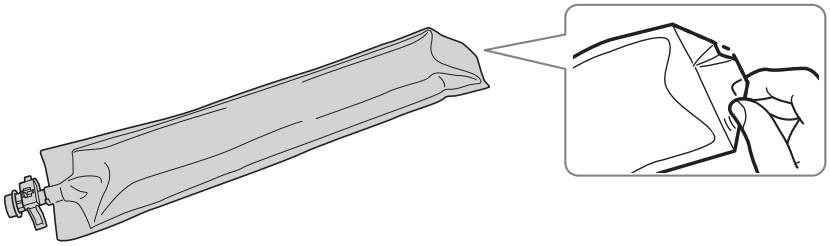


4. Remove the ink pouch from the inner box and plastic bag.

IMPORTANT

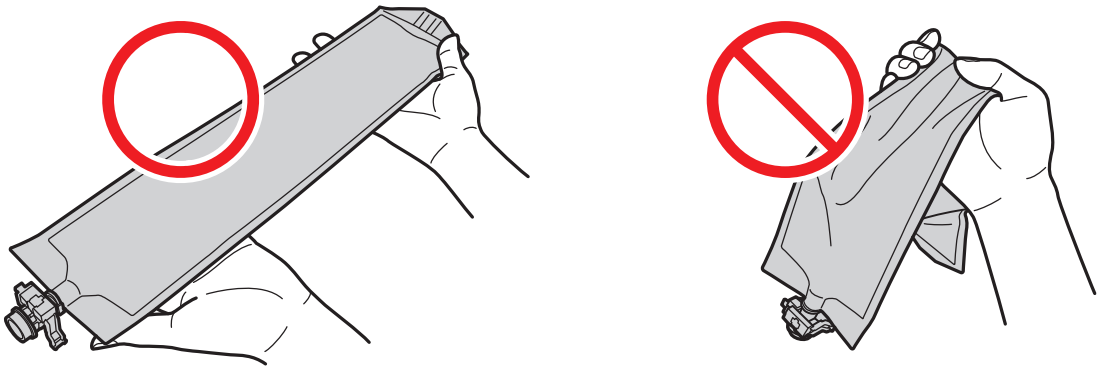
- When taking the ink pouch out of the plastic bag, do not use a utility knife or any other sharp object. Doing so may lead to accidentally cutting the ink pouch.
- The expiration date sticker should be found in the plastic bag. Keep this safe until you need it for a later task.

If the tip of the ink pouch is bent, straighten it out by hand.



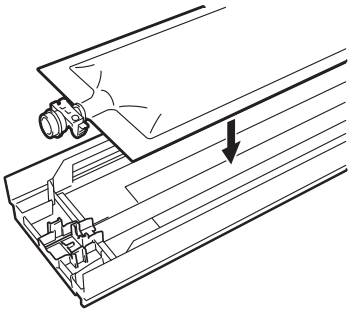
IMPORTANT

Handle ink pouches carefully. They may rupture if they are bent or dropped or if they catch on a sharp object.



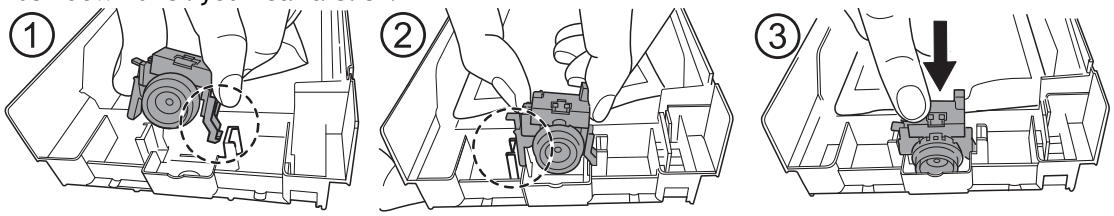
5. Set the ink pouch for each color in the pouch trays.

(1) **Set the ink pouch on top of the pouch tray.**

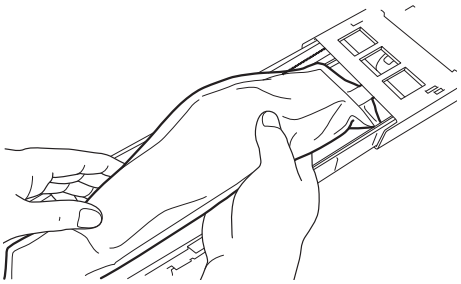


(2) **Follow the procedure below to attach the tip of the ink pouch to the pouch tray.**

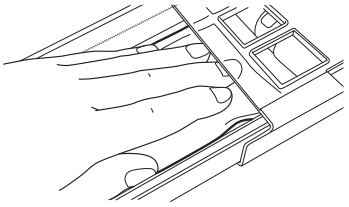
Push down until you hear a click.



(3) **Insert the ink pouch into the pouch tray.**

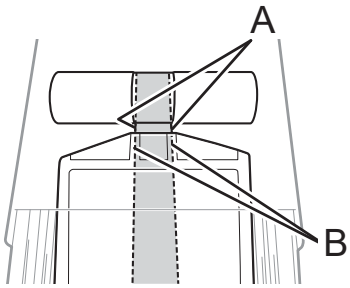


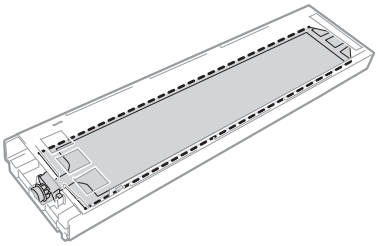
(4) **Insert the back end of the ink pouch into the underside of the pouch tray roller, ensuring that this end is straight.**



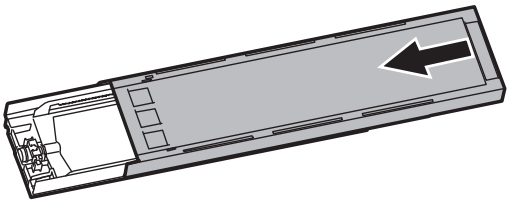
(5) **Check that the ink pouch has been set in the correct position.**

Match the pouch tray lines (A) with the ink pouch lines (B). Check that the ink pouch is lined up straight with the pouch tray.





(6) **Close the pouch tray lid until you hear a click.**



(7) **Affix the ink pouch's expiration date sticker (A), included with the ink pouch, to the right side of the pouch tray ink label.**



Step 11: Connecting the Cables

⚠ 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 both the power cord and the Ethernet cable (commercially available).**
   The recommended Ethernet and Ethernet cable are as follows.
   - Ethernet: 1000BASE-T
   - Ethernet cable: Category 5 or higher

   ⚠ WARNING

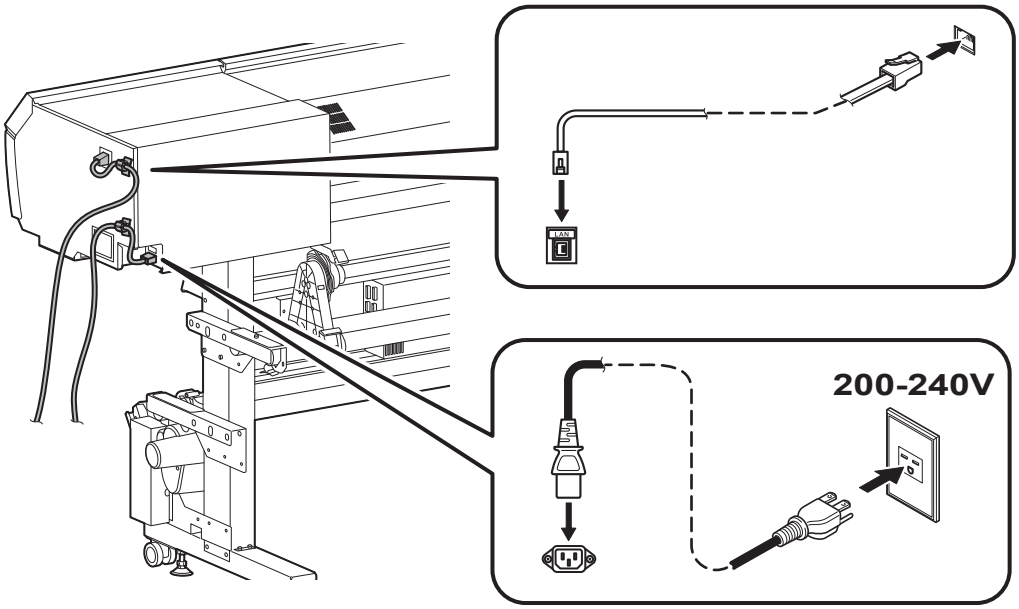
   Connect this machine to an electrical outlet. Never connect this machine directly to a power distribution panel or other such fixed wiring equipment.
   Doing so increases the risk of fire or electrical shock.

   ⚠ WARNING

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

2. **Attach the two clamps to the positions shown in the figure.**

3. **Use clamps to secure the power cord and Ethernet cable.**



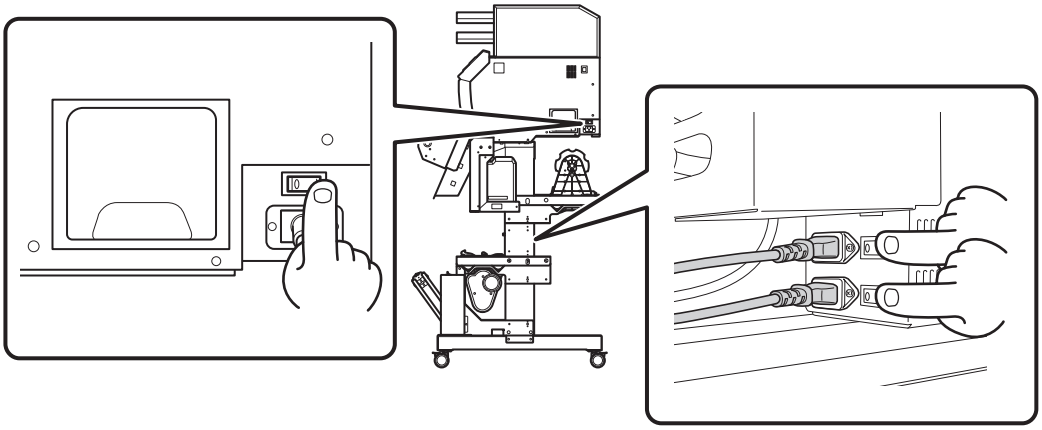
4. **Connect the power cord of the machine and the two power cords of the dryers to 200 to 240 V power supplies.**

Step 12: Initial Settings and Ink Filling

1. Make the initial settings.

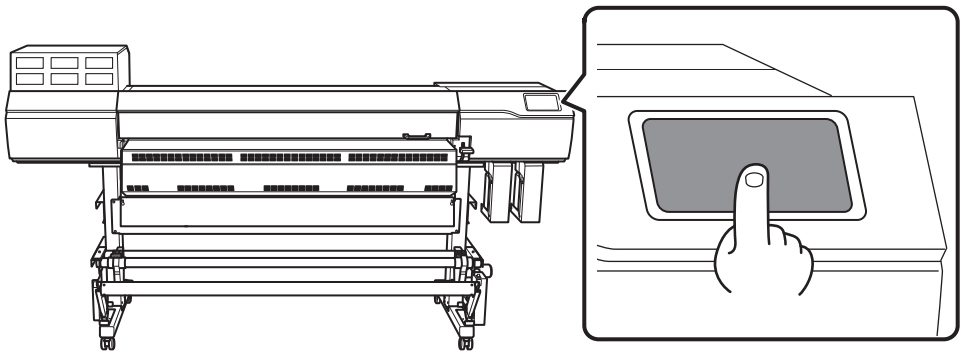
Procedure

1. **Switch on the main power switch for the two dryers and the printer.**



2. **Tap the operation panel.**

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



3. **Tap [Language English].**

The language selection screen appears.

MEMO

Default setting: **[English]**

4. **Select the language and tap [OK].**

5. **Tap [Save].**

6. **The [Units] screen appears. Set the [Length] and [Temperature].**

MEMO

Default settings

- **[Length]**: mm

- [Temperature]: °C

7. **Tap [Save].**

8. **The [Ink Type Not Set] screen will appear. Tap [Execute].**

9. **When the error message [Print Head Height Mismatch] appears, set the print head height to [Low] and tap [OK].**

   For details on how to set the print head height, refer to the User's Manual.

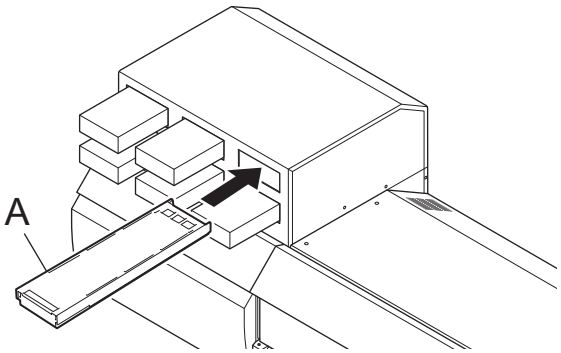
Initial setup is complete once the [**Install all the ink pouch trays.**] screen is displayed.

2. Fill the machine with ink.

Procedure

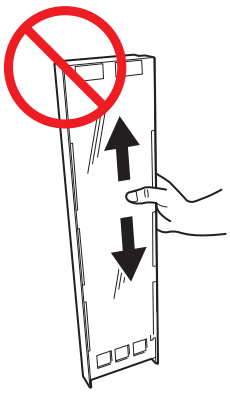
1. **Set the pouch tray (A) in the ink slot.**

Insert the pouch tray as far as it will go. If the inserted ink is not recognized and does not show up on the operation panel, remove it and insert it again.

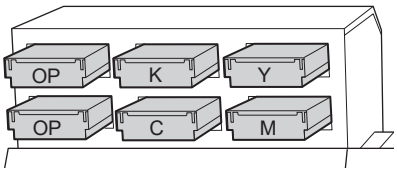


IMPORTANT

- Do not insert empty pouch trays. Doing so may force air into the ink path and cause printer malfunctions.
- After setting an ink pouch in a pouch tray, do not shake the tray with it held vertically. The ink pouch may wrinkle, making it impossible to wind and drain it correctly.



- Check the color names indicated on the ink slots and the pouch trays to set all the pouch trays in their correct positions.



[**Ink filling in progress. Please wait.**] appears, and the machine is filled with ink.

2. **When the ink filling is complete, the top menu appears.**

2. 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 configuration of special settings is required.

Check that [**Obtain an IP address automatically**] is set within the network settings for the computer being used.

MEMO

To use DHCP automatic IP assignment, the computer and the machine must be connected to the same network.

Refer to the information below to use the machine with a fixed (unchanging) IP address.

P. 60 Operating the Machine with a Fixed IP Address

For information on how to configure the settings when not connected to the same network, refer to the following.

P. 62 Operating the Computer and the Machine with Fixed IP Addresses

Viewing the Network Settings

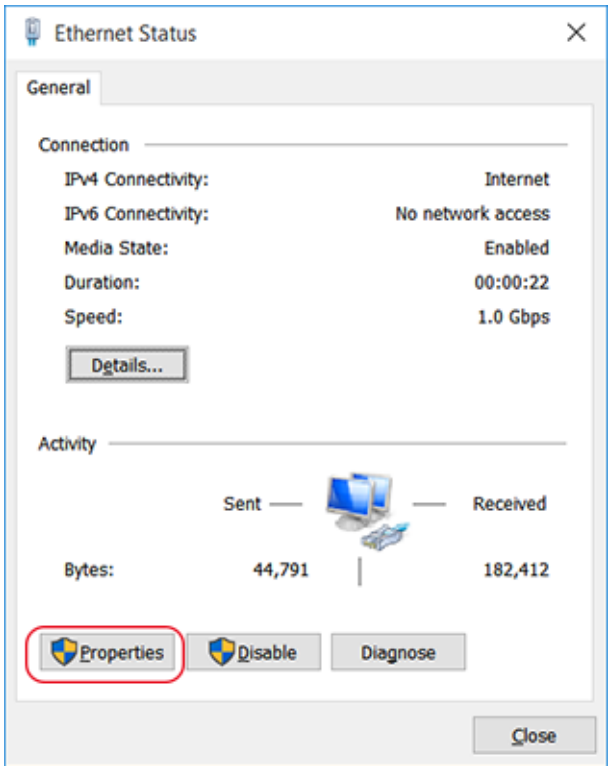
Windows

The procedure introduced here applies to the following Windows version. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: Version 24H2

Procedure

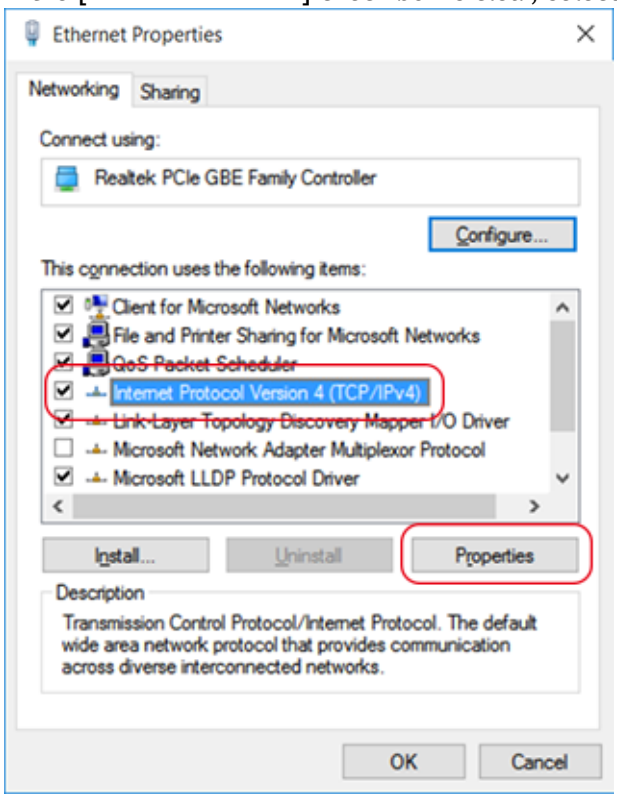
1. **Log on to Windows as the [Administrator] or a member of the [Administrators] group.**
2. **Open Control Panel.**
   Search for "Control Panel" from the taskbar.
3. **Click [Network and Sharing Center].**
4. **Click [Ethernet] or [Wi-Fi].**
5. **Click [Properties].**
   If a [**User Account Control**] 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. **Confirm that [Obtain an IP address automatically] is checked.**

If it is not checked, click the box to check it.

8. Click [OK].

9. Click [Close] in each window.

This completes the network settings check. Proceed to 4. Software Setup(P. 69).

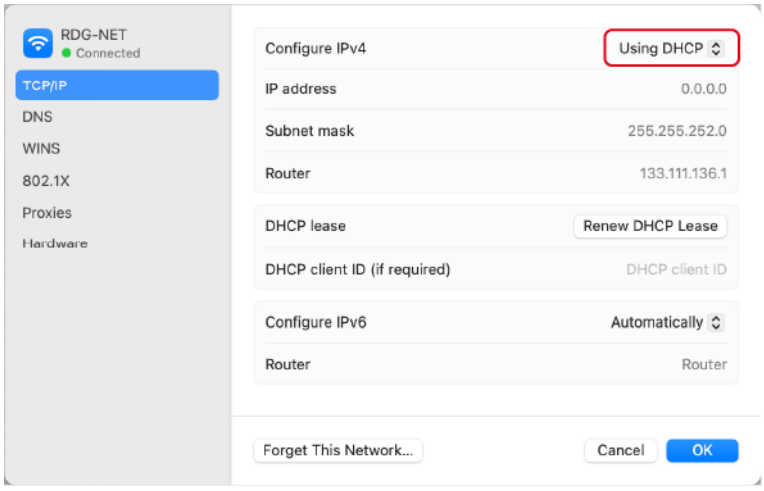
Mac

The procedure introduced here 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. **Make sure that [Using DHCP] is selected under [Configure IPv4].**
   If **[Manually]** is selected, change it to **[Using DHCP]**.



7. **Click [OK].**

This completes the network settings check. Proceed to 4. Software Setup(P. 69).

Operating the Machine with a Fixed IP Address

This section explains how to assign a fixed (unchanging) IP address to the machine. Using a fixed IP address clearly identifies the machine's role within the network and makes operation and management easier.

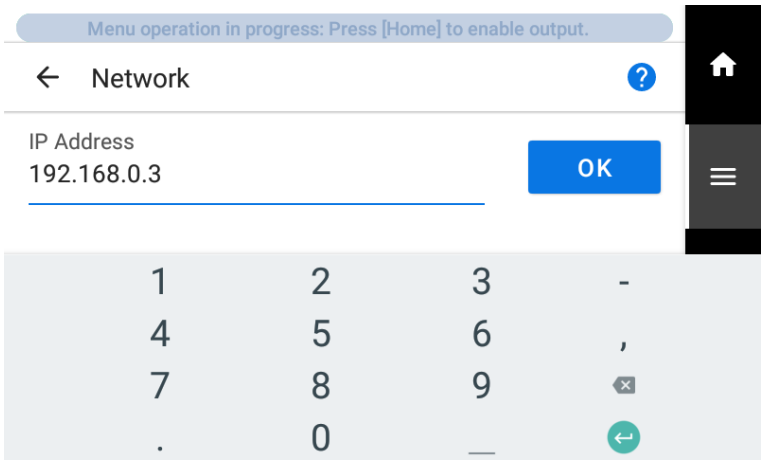
IMPORTANT

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].**

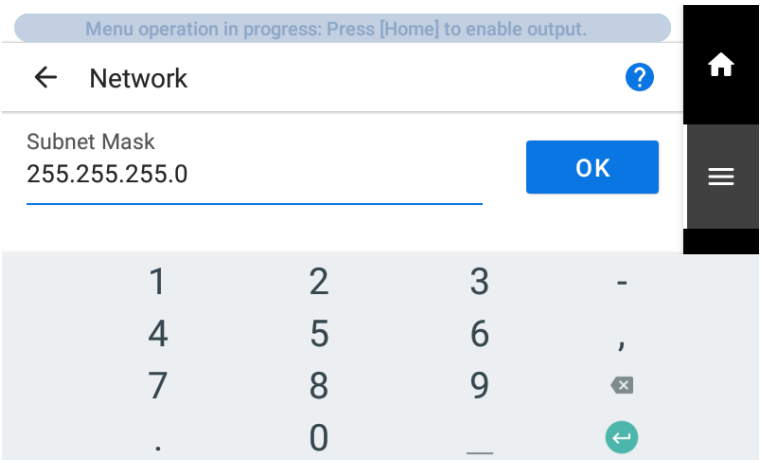
   The numeric value input screen appears.



5. **Enter the [IP Address] value.**

   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.

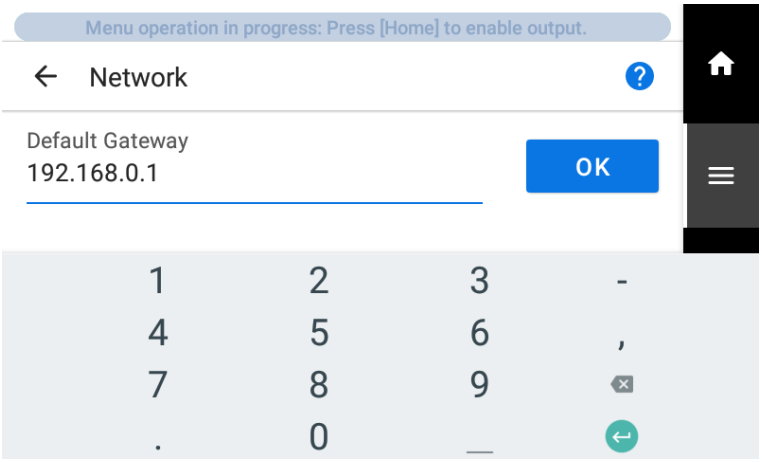


8. **Enter the [Subnet Mask] value.**

9. **Tap [OK].**

10. **Tap**  **to the right of [Default Gateway].**

    The numeric value input screen appears.



11. **Enter the [Default Gateway] value.**

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. 69).

Operating the Computer and the Machine with Fixed IP Addresses

This section explains how to configure the settings when the computer and the machine are not connected to the same network.

This allows easier management with a dedicated printing network and helps prevent printing traffic from affecting communication on the main business network.

1. Configuring the Network Settings on the Machine

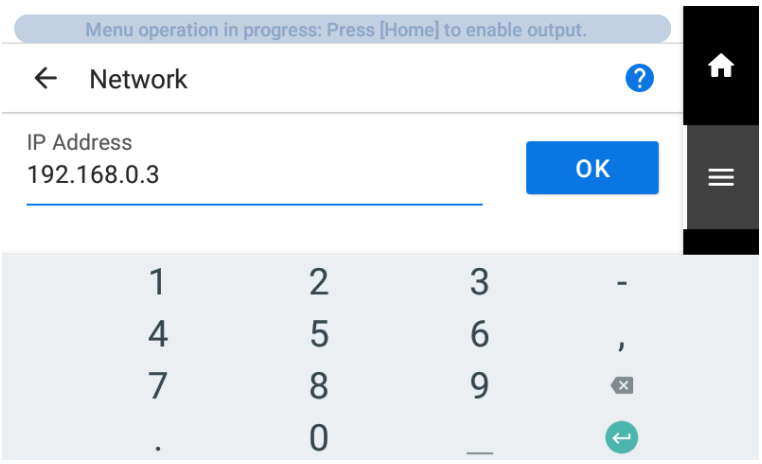
IMPORTANT

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].

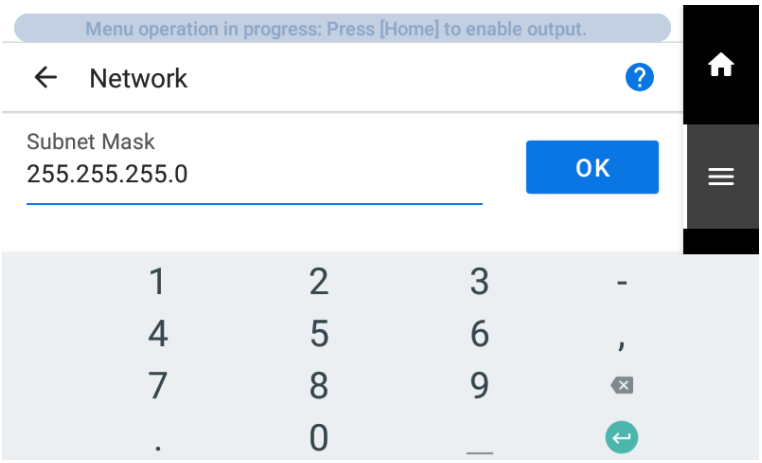
   The numeric value input screen appears.



5. Enter the [IP Address] value.

   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.

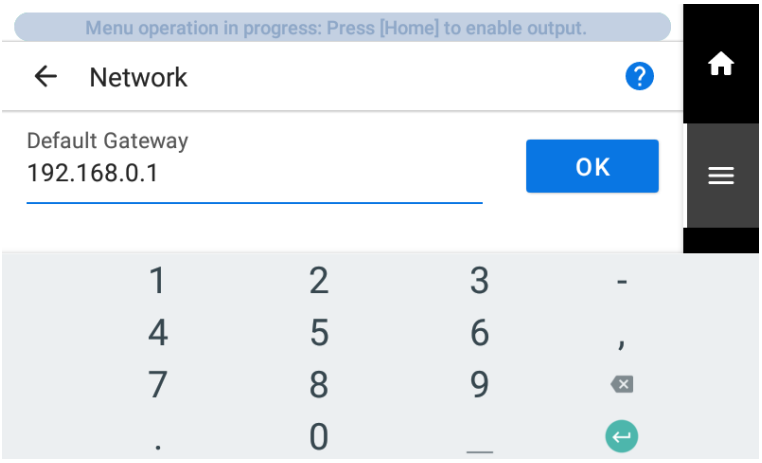


8. **Enter the [Subnet Mask] value.**

9. **Tap [OK].**

10. **Tap  to the right of [Default Gateway].**

    The numeric value input screen appears.



11. **Enter the [Default Gateway] value.**

12. **Tap [OK].**

13. **Tap [Save].**

14. **Tap .**

    The home screen appears.

This completes configuration of the network settings on the machine.

For information on configuring the computer's network settings, refer to the following.

- For Windows
  2. Setting the Computer's Network (Windows)(P. 64)
- For Mac
  2. Setting the Computer's Network (Mac)(P. 67)

2. Setting the Computer's Network (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

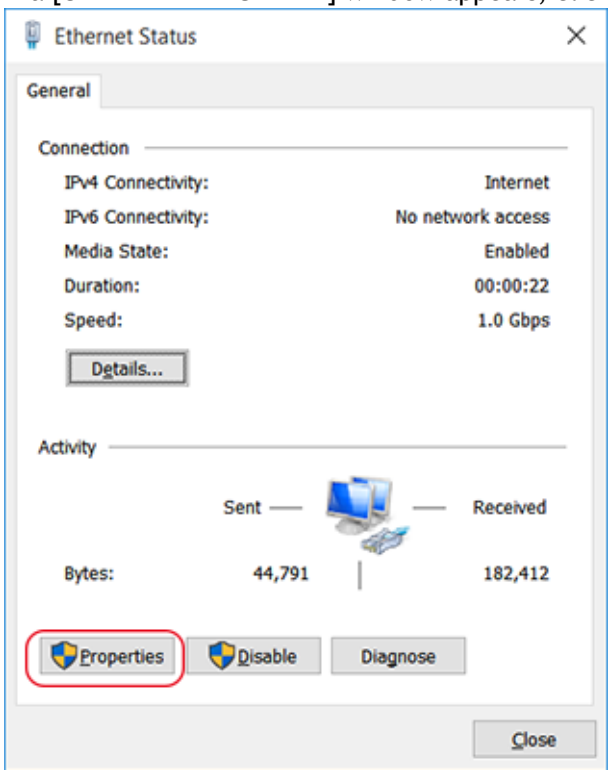
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The procedure introduced here applies to the following Windows version. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: Version 24H2

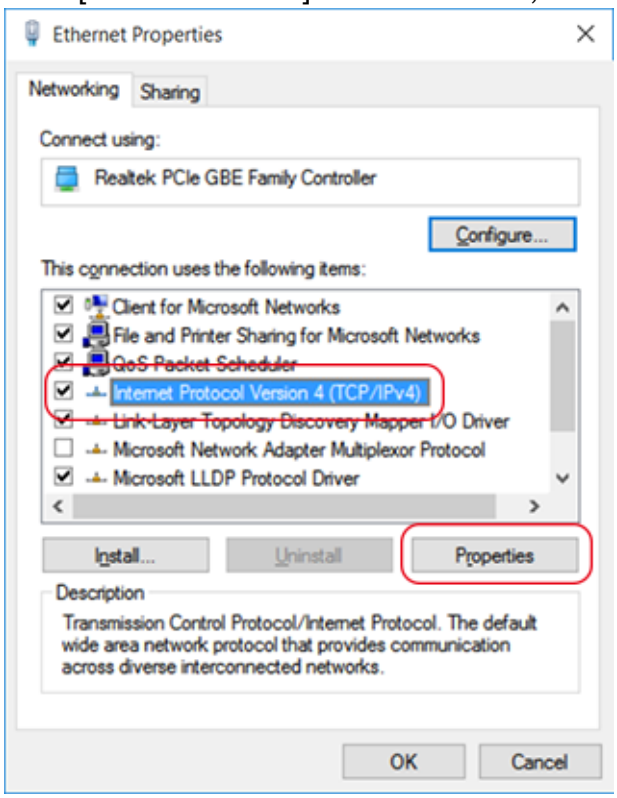
Procedure

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].**

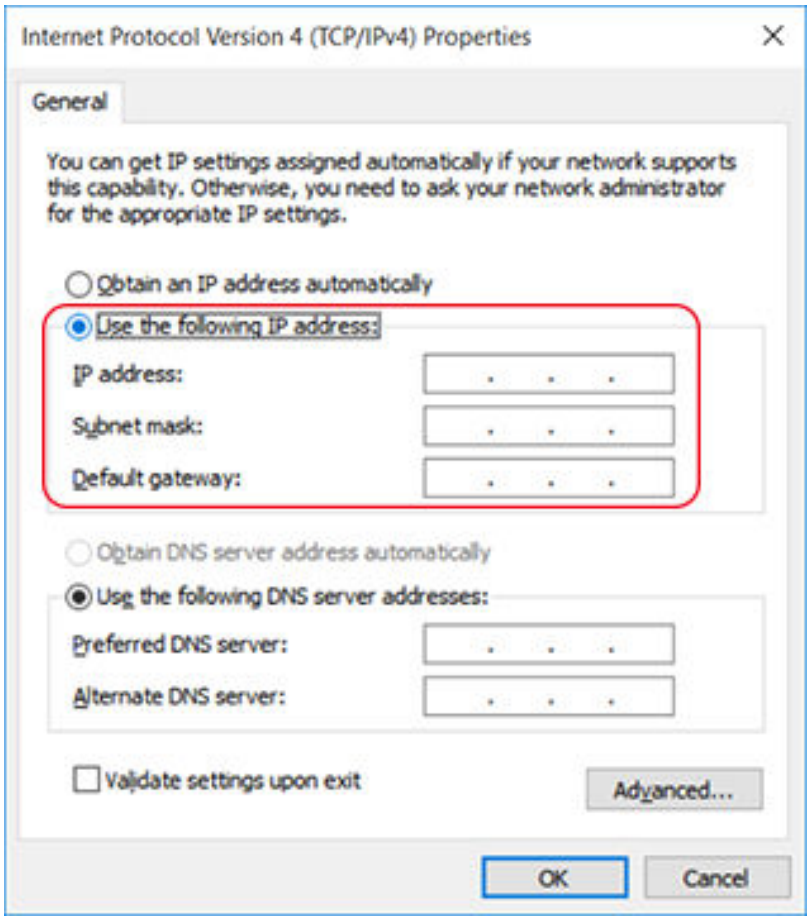
If the **[Internet Protocol]** check box is clear, select it.



7. Configure the following settings.

(1) **Click [Use the following IP address].**

(2) **Enter the [IP Address], [Subnet Mask], and [Default Gateway].**



8. Click [OK].

9. Click [Close] in each window.

This completes configuration of the network settings. Proceed to 4. Software Setup(P. 69).

2. Setting the Computer's Network (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

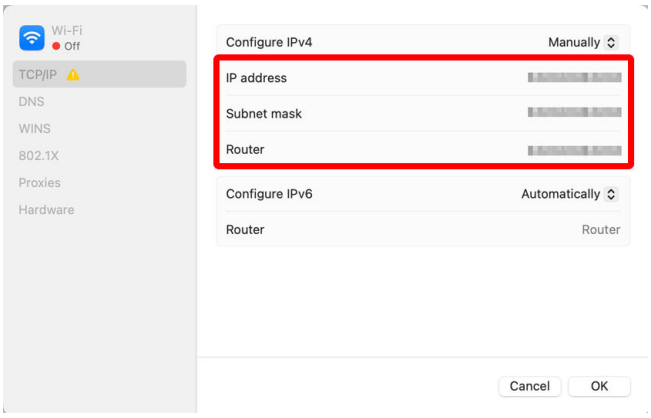
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

The procedure introduced here 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. **Configure the following settings.**
   (1) **Select [Manually] for [Configure IPv4].**
   (2) **Enter the [IP address], [Subnet mask], and [Router].**
   Enter [**Default Gateway**] in [**Router**].



7. **Click [OK].**

This completes configuration of the network settings. Proceed to 4. Software Setup(P. 69).

3. Adjustment

Adjusting

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

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 need to create an account. Proceed to
P. 70 Downloading and Installing Roland DG Connect Hub
.

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.com/hc/articles/43642210630297

   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

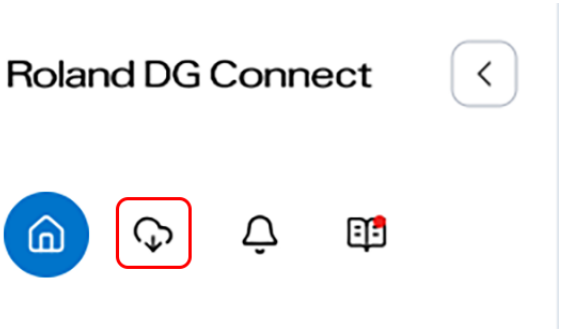
Procedure

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.**
   Roland DG Connect Hub is available for Windows and Mac. Download the version for your OS.

4. **Install Roland DG Connect Hub from the downloaded file.**
   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. 69) 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.com/hc/articles/44190367491481

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.

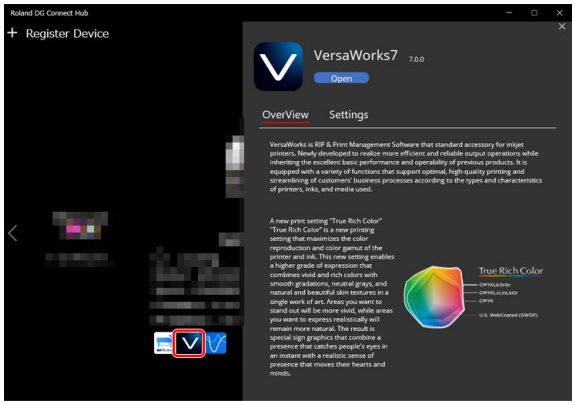
2. **In the main window, select the machine to use.**

   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

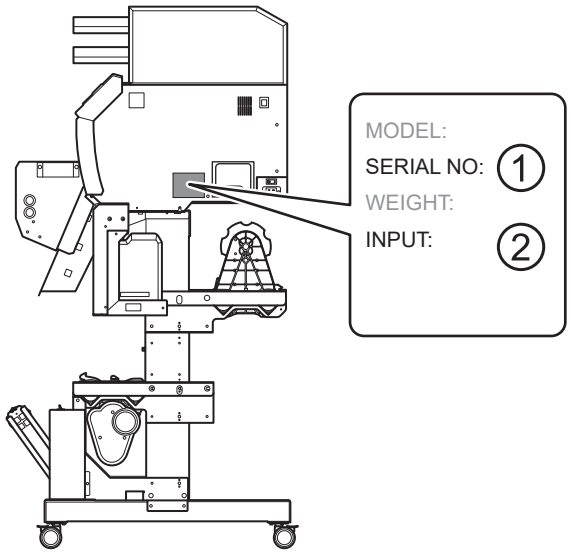
For information on how to connect the printer after installing VersaWorks, see the Installation Guide.

Appendix

Location of the Power Rating and Serial Number Label 76
Specifications 77

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.

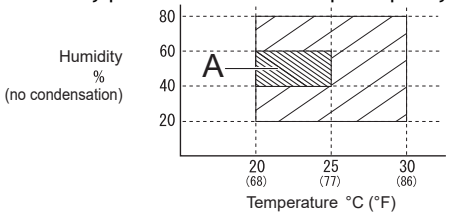
Specifications

Printing method		Piezo ink-jet method
Media	Width	259 to 1,625 mm (10.2 to 64 in.)
	Thickness	Max. 1.0 mm (39 mil) with liner
	Roll outer diameter	Max. 250 mm (9.8 in.)
	Roll weight	Max. 45 kg (99 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width*1		Max. 1,615 mm (63.5 in.)
Ink	Type	Resin ink 700 ml pouch
	Color	Four colors (cyan, magenta, yellow, and black) and optimizer
Printing resolution (dots per inch)		Max. 1,200 dpi
Ink drying system*2		Print heater set temperature: 25 to 45°C (77 to 113°F) Dryer set temperature: 70 to 110°C (158 to 230°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 Dryer 1: 200-240 Va.c. 50/60 Hz 10 A Dryer 2: 200-240 Va.c. 50/60 Hz 10 A
Power consumption	During operation	Approx. 4,000 W
	Sleep mode	Approx. 65 W
Acoustic noise level	During operation	69 dB (A) or less
	During standby	53 dB (A) or less
Dimensions (width × depth × height)		2,886 mm × 836 mm × 1,550 mm (113.7 in. × 33 in. × 61.1 in.)
Weight		266 kg (587 lb.)
Environment*3	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, separating knife, replacement blade, cleaning liquid bottle for maintenance, drain bottle, User's Manual, software (VersaWorks, Roland DG Connect), etc.

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

*2
- 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.

*3 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.




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