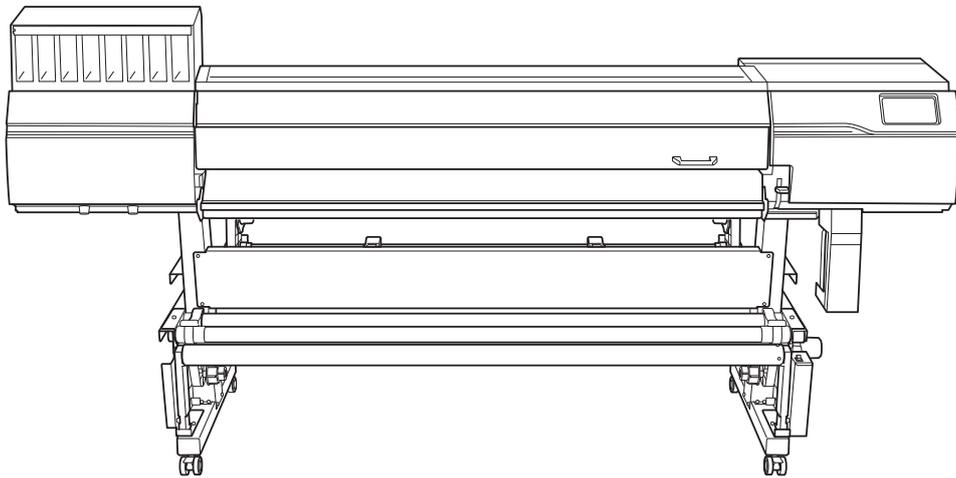


TrueVIS

LG-640/LG-540/LG-300

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 manual completely.
- Unauthorized copying or transferal, in whole or in part, of this manual is prohibited.
- The specifications of this product and the contents of this operation manual are subject to change without notice.
- The operation manual and the product have been prepared and tested as much as possible. If you find any misprints or errors, please inform us.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur through use of this product, regardless of any failure to perform on the part of this product.
- Roland DG Corporation assumes no responsibility for any direct or indirect loss or damage that may occur with respect to any article made using this product.

Contents

Introduction	2
Checks before Installation	3
About the Documentation for This Machine	3
About Placement and Installation Work	3
Deciding On an Installation Site	4
Temperature and Humidity	6
Installation Space	7
Checking the Included Items	8
Air Ventilation	10
Installation	11
1. Assembly and Ink Filling	12
Checks before Operations	12
Step 1: Assembling the Stand	13
Step 2: Attaching the Printer Unit and the Stand	16
Step 3: Installing the Media Holders and Media Stays	19
Step 4: Assembling the Media Take-up Unit	23
Step 5: Installing the Drain Bottle	33
Step 6: Removing the Retainers	35
Step 7: Affixing the Labels	37
Step 8: Connecting the Cables	38
Step 9: Preparing the Cleaning Liquid and the Ink	40
Step 10: Initial Settings and Ink Filling	43
2. Installing the Cutting Tool	47
Assembling the Cutting Tool	47
Installing the Cutting Tool	48
3. Network Settings	50
Setting a Fixed IP Address	50
Directly Connecting to the Computer	52
4. Downloading and Installing Software	57
Downloading Roland DG Connect Hub	57
Installing the Software	58
Setting the Software RIP	61
Installation of Ventilating Equipment	62
Ventilating Equipment	63
Appendix	64
Location of the Power Rating and Serial Number Label	65
Specifications	66

Introduction

Checks before Installation	3
About the Documentation for This Machine.....	3
About Placement and Installation Work	3
Deciding On an Installation Site.....	4
Temperature and Humidity	6
Installation Space	7
Checking the Included Items	8
Air Ventilation	10

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/LG-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.

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 262 kg [578 lb.] (54-inch model: 241 kg [532 lb.], 30-inch model: 206 kg [455 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

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

Conduct operations 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.

CAUTION

Ensure adequate ventilation for the work area.

Failing to perform ventilation may result in a health hazard or danger of combustion 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

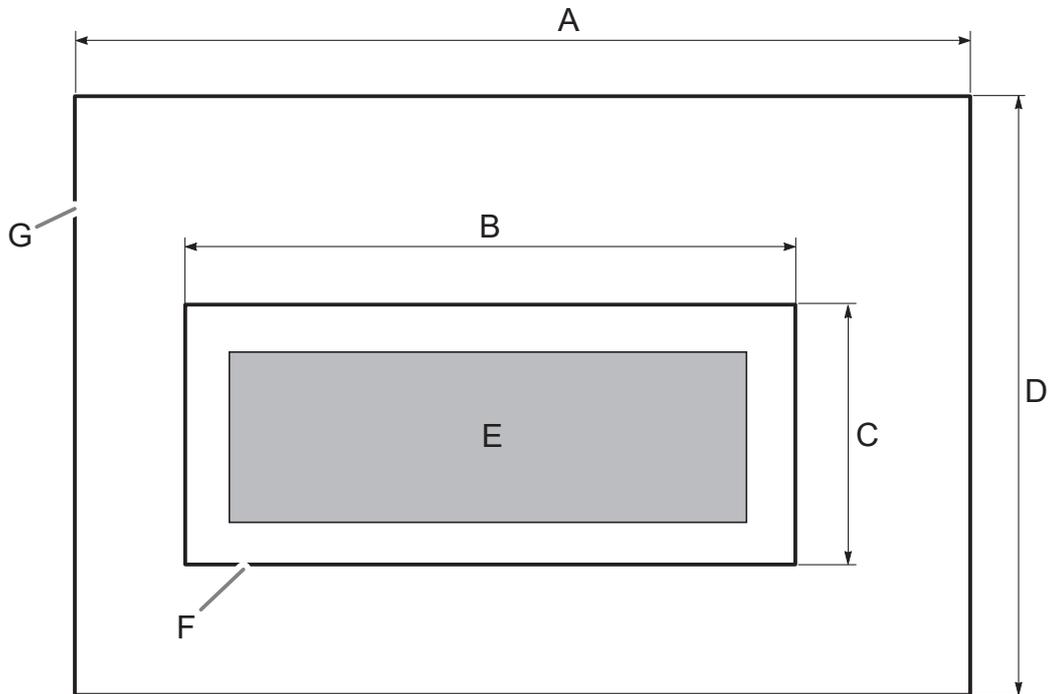
Temperature and Humidity

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 32 °C (68 to 89.6 °F), humidity: 35 to 80%RH (no condensation)
- During non-operation: Temperature: 5 to 40 °C (41 to 104 °F), humidity: 20 to 80%RH (no condensation)

Installation Space

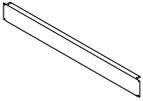
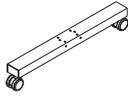
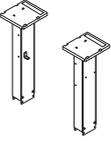
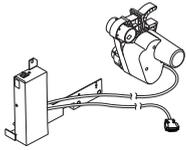
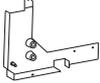
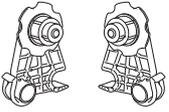
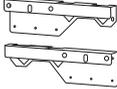
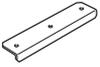
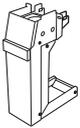
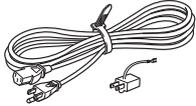
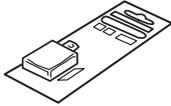
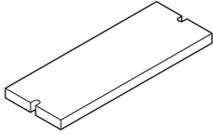
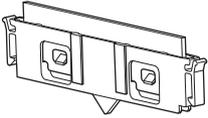
The space shown in the figure is required in order to use this machine.

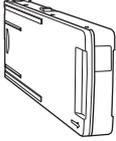


	LG-640	LG-540	LG-300
A	4,500 mm (177.2 in.)	4,000 mm (157.5 in.)	3,750 mm (147.6 in.)
B	3,500 mm (137.8 in.)	3,000 mm (118.1 in.)	2,750 mm (108.3 in.)
C	1,000 mm (39.4 in.)		
D	2,000 mm (78.7 in.)		
E	Unit		
F	Unit space		
G	Work space		

Checking the Included Items

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

 Stand stay (1)	 Shafts (4)	 Casters (2)	 Stand legs (1 each for right and left)
 Dancer roller (1)	 Paper tube (1)	 Control box and motorized media holder (1 each)	 Left stay (1)
 Media holders (1 each for right and left)	 Left media holder (1)	 Arms (2 each for right and left)	 Shaft clamps (4)
 Drain bottle stand (1)	 Drain bottle (1)	 Media stays (2)	 Power cord/power plug adapter ¹ (1 each)
 Cable clamps (7)	 Bolts (64)	 Hexagonal wrench (1)	 Pipe (1)
 Blade holder (1)	 Blade (1)	 Pin (1)	 Replacement blade for separating knife (1)
 Cleaning liquid (1)	 Replacement wiper cleaner (1)	 Replacement FL sponge (1)	 Replacement wiper (1)
 Cleaning sticks	 Tweezers (1)	 Ink cartridge labels (1)	 Cartridge-slot labels (3) ²

 <p>Ink/cleaning cartridges (9)</p>	 <p>Manuals</p>		
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*1 Included only with 100 V specifications

*2 With the factory default settings, these labels are affixed to the platen at the location where the front cover opens.

Air Ventilation

This machine emits a small amount of volatile compounds during printing and for some time after printing, which may cause irritation of your eyes, nose, and throat. When using this machine, make sure to ventilate the area. Install ventilating equipment as necessary.

Installation

1. Assembly and Ink Filling	12
Checks before Operations.....	12
Step 1: Assembling the Stand.....	13
Step 2: Attaching the Printer Unit and the Stand	16
Step 3: Installing the Media Holders and Media Stays	19
Step 4: Assembling the Media Take-up Unit	23
Step 5: Installing the Drain Bottle	33
Step 6: Removing the Retainers	35
Step 7: Affixing the Labels.....	37
Step 8: Connecting the Cables	38
Step 9: Preparing the Cleaning Liquid and the Ink	40
Step 10: Initial Settings and Ink Filling.....	43
2. Installing the Cutting Tool.....	47
Assembling the Cutting Tool	47
Installing the Cutting Tool	48
3. Network Settings.....	50
Setting a Fixed IP Address	50
Directly Connecting to the Computer	52
4. Downloading and Installing Software	57
Downloading Roland DG Connect Hub.....	57
Installing the Software	58
Setting the Software RIP	61

1. Assembly and Ink Filling

Checks before Operations

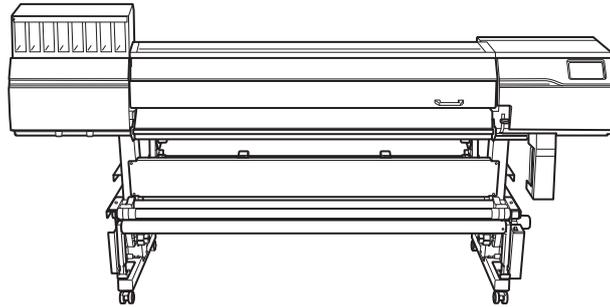
⚠ CAUTION

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

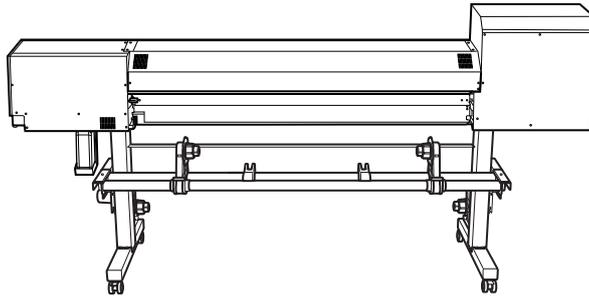
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Completed Drawing

Front



Rear



Necessary Tools (Included Items)

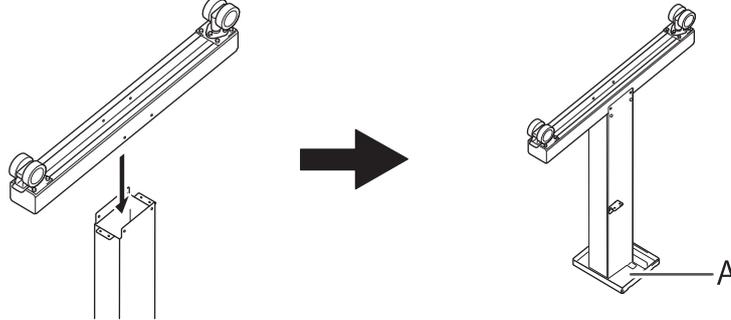
- Hexagonal wrench (1)
- Pipe (Use this when the hexagonal wrench is too short to easily tighten bolts) (1)

Step 1: Assembling the Stand

Procedure

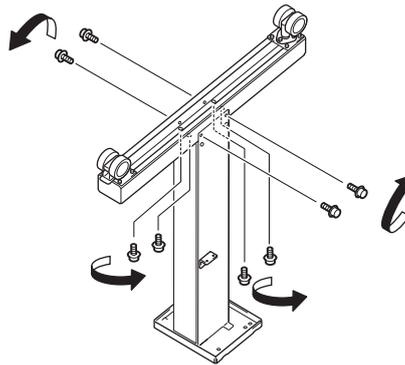
1. Place the caster on the stand leg.

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.

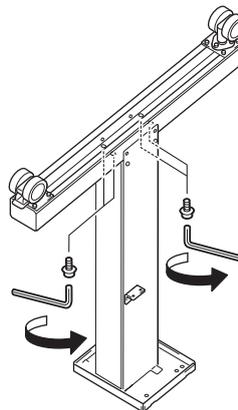


2. Use eight bolts to secure the caster.

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

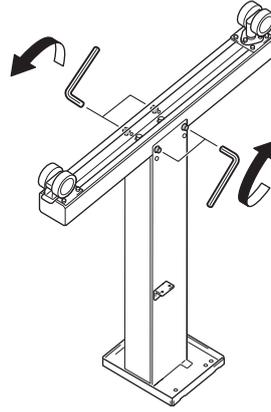


(2) Fully tighten the bolts in the four lower locations.



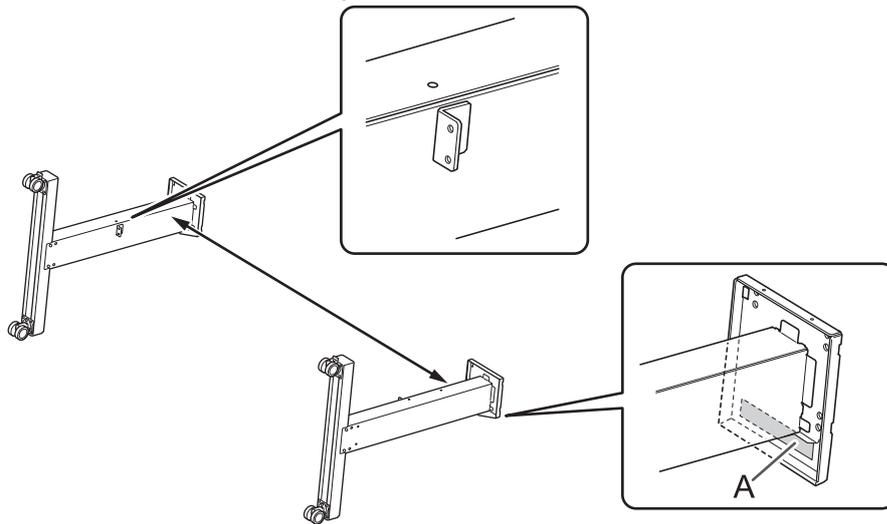
(3) Fully tighten the bolts in the four locations on the sides.

1. Assembly and Ink Filling



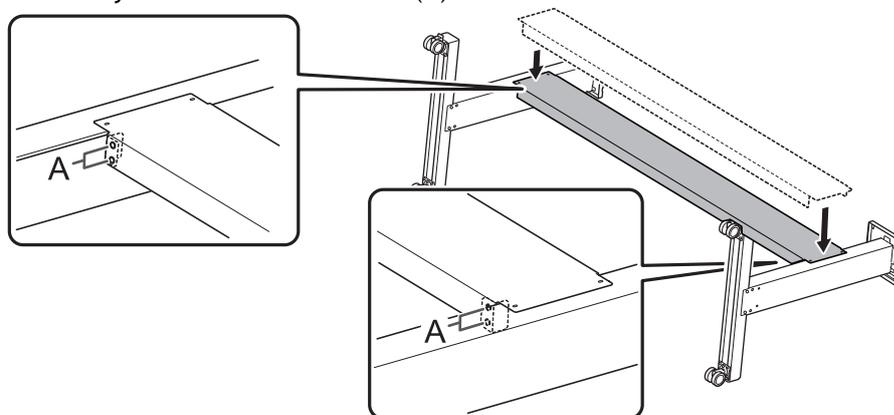
3. Assemble the opposing stand leg by following the same procedure from step 1 to step 2.
4. Position the left and right stand legs parallel to each other and separated by approximately 1,800 mm (70.87 in.) for the 64-inch model, approximately 1,550 mm (61.02 in.) for the 54-inch model, or approximately 930 mm (36.61 in.) for the 30-inch model.

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 on the stand legs.

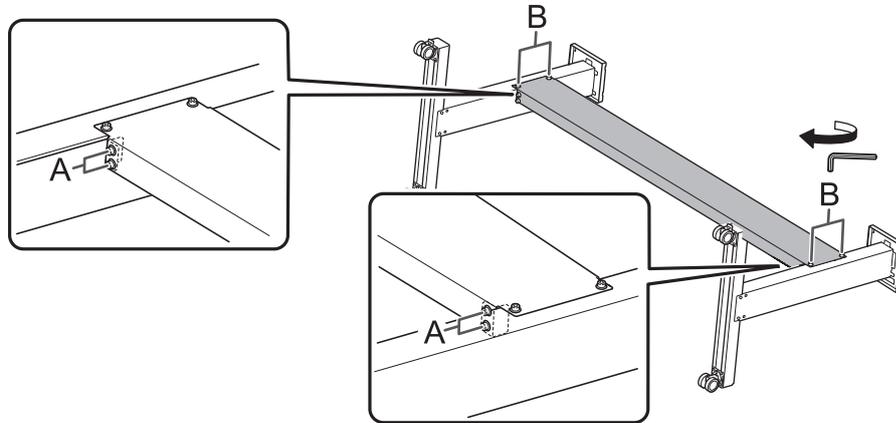
Position the stand stay with attachment holes (A) toward the casters.



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.

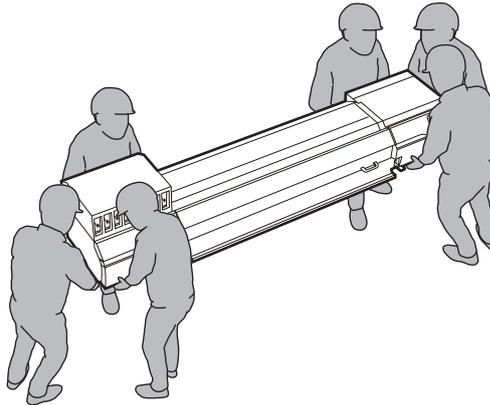
Step 2: Attaching the Printer Unit and the Stand

Procedure

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

CAUTION

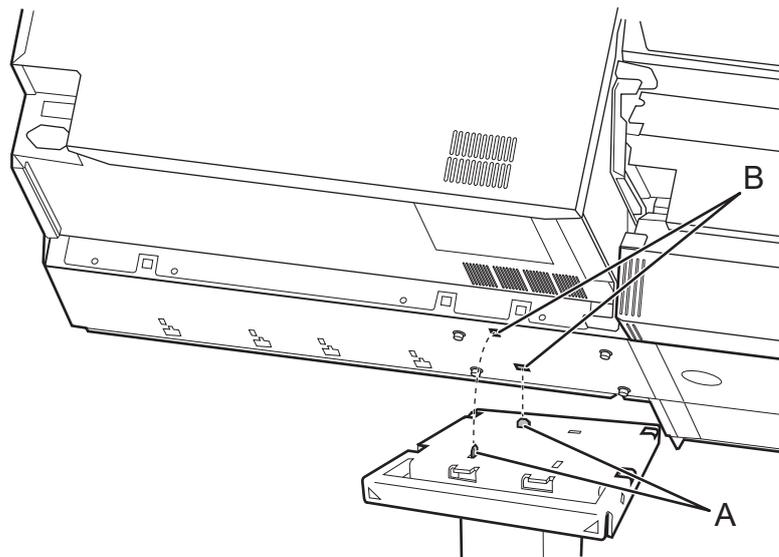
Unpacking and installation must be carried out by 6 persons or more.
Failure to observe this instruction may cause the machine to fall over, resulting in injury.



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.

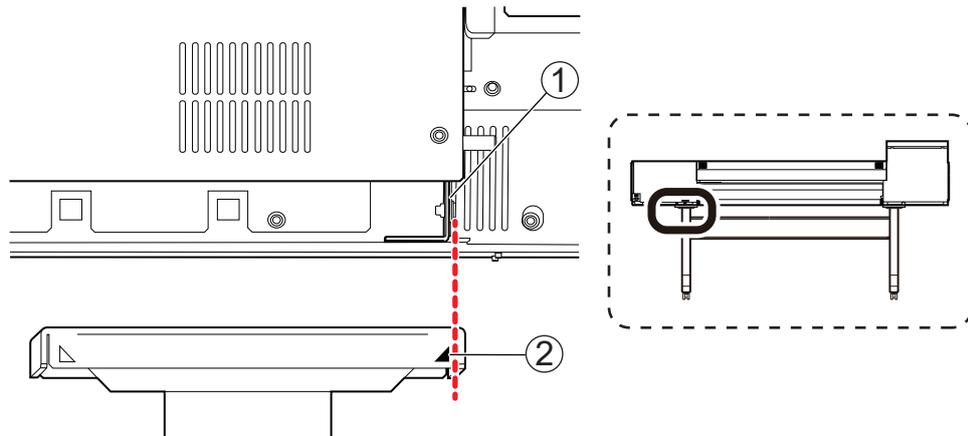
IMPORTANT

Aligning the printer to the front, back, left, and right according to the following procedure inserts the protrusions (A) on the tabletop plate of the stand into the slits (B) on the printer unit.
After aligning these items, place the printer unit on the stand.



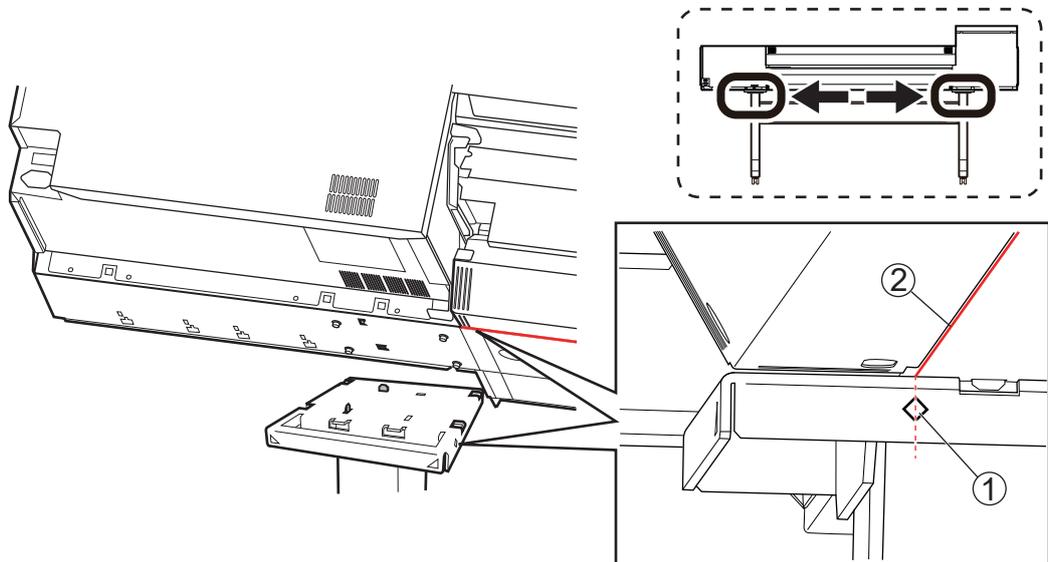
- (1) Align the left and right sides.

Align the edge of the bracket (①) on the printer unit with the edge of the triangle mark (②) on the stand as seen from the rear of the printer.



(2) Align the front and rear sides.

Align the edge of the bottom of the printer unit (②) with the center line of the rhombus mark (①) on the inside of the stand.



4. Place the printer unit on the stand.

IMPORTANT

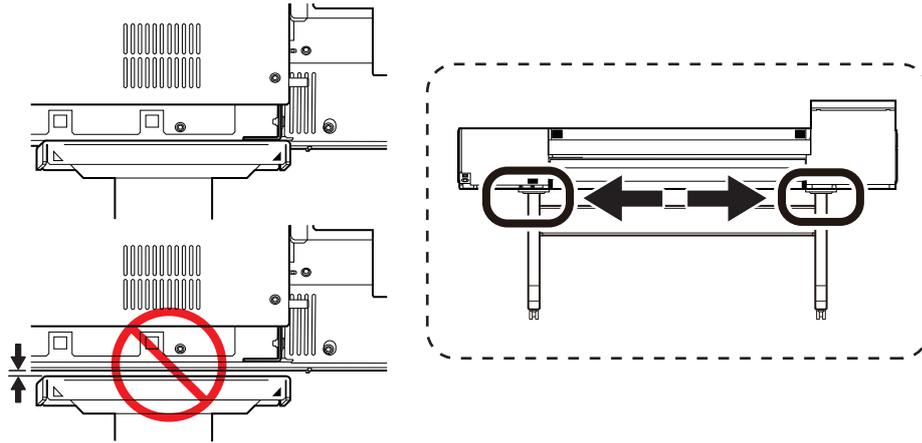
Be sure to have workers support the printer unit right up to step 6. This unit may fall over if it is released before being fixed in place with bolts in step 6.

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

MEMO

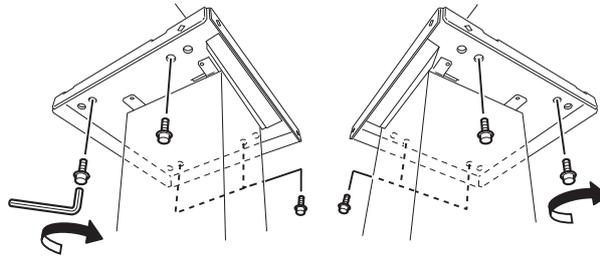
The printer's center of gravity is at its back, so there may be a gap at the front of the printer.

1. Assembly and Ink Filling



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.

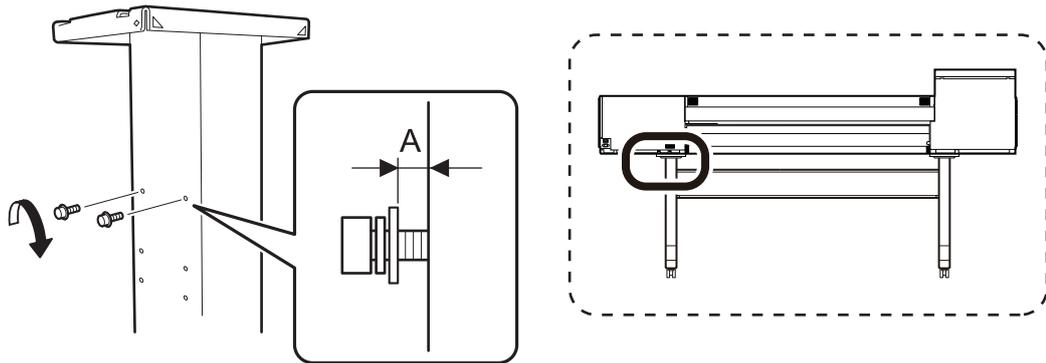


Step 3: Installing the Media Holders and Media Stays

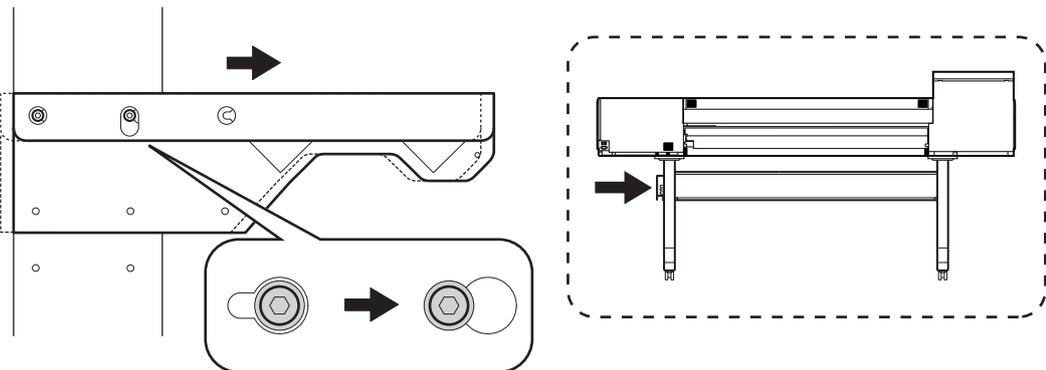
1. Attach the arms.

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).

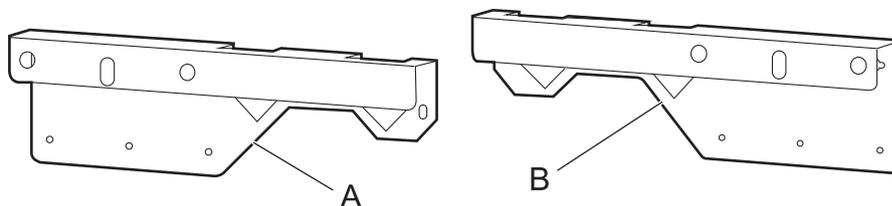


2. Attach the left arm to the temporarily tightened bolts, and then slide this arm to the right.



MEMO

Each arm can only be used on the left (A) or right (B) side. Attach them on the correct sides.

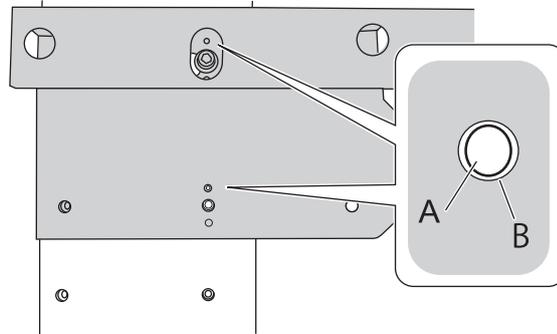


3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

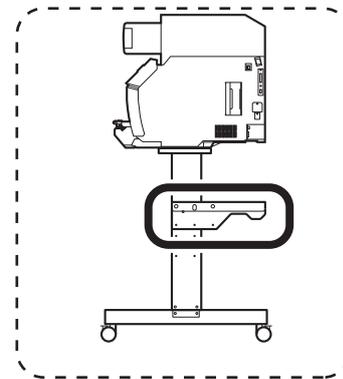
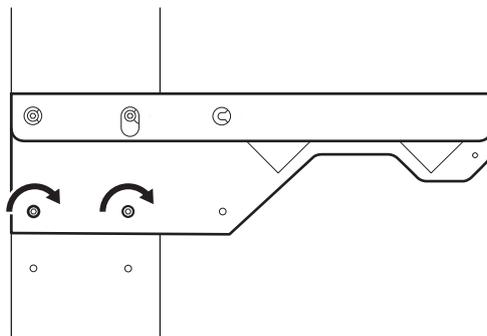
IMPORTANT

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

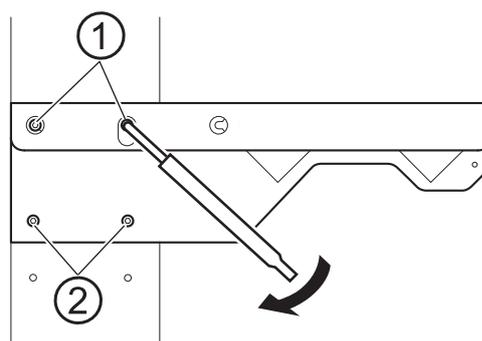
4. Make sure the protrusions on the stand leg (A) are in the center of the holes on the arm (B). Move the arm to the left and right until these protrusions are centered.



5. Temporarily tighten the bolts at the bottom of the left arm.



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

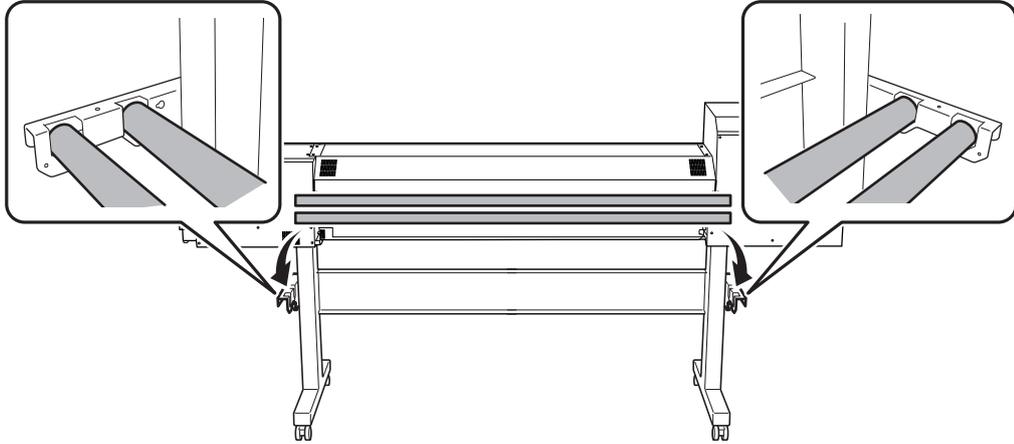


7. In the same manner, attach the right arm to the right side as seen from the rear of the printer.

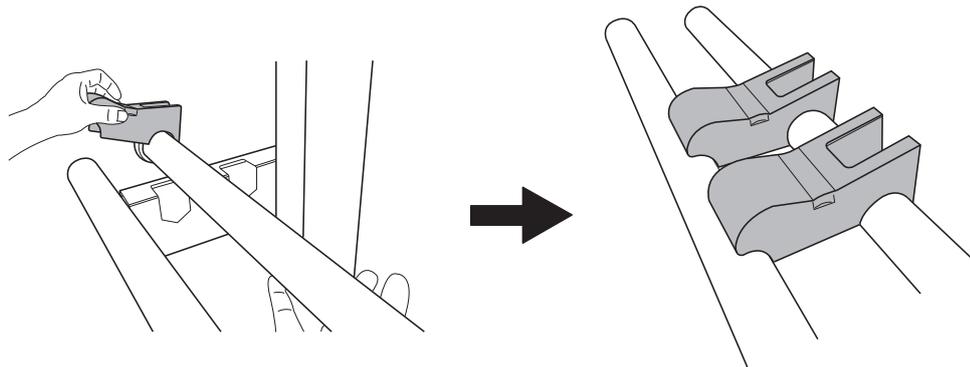
2. Attach the media holders.

Procedure

1. Place the two shafts on the arms.

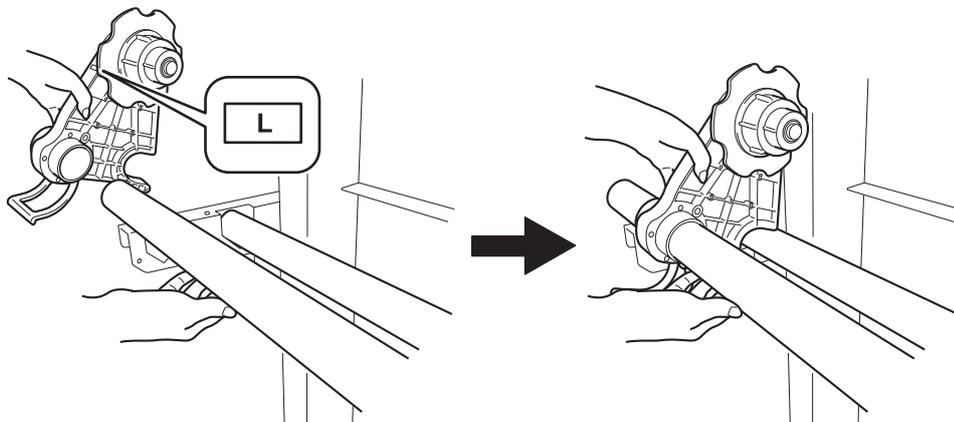


2. Pass the rear shaft through the two media stays.



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.

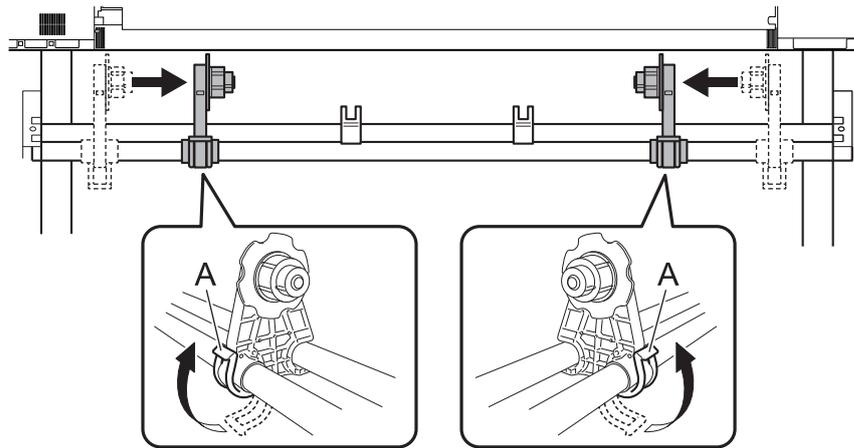


4. Attach the right media holder in the same manner.

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

1. Assembly and Ink Filling

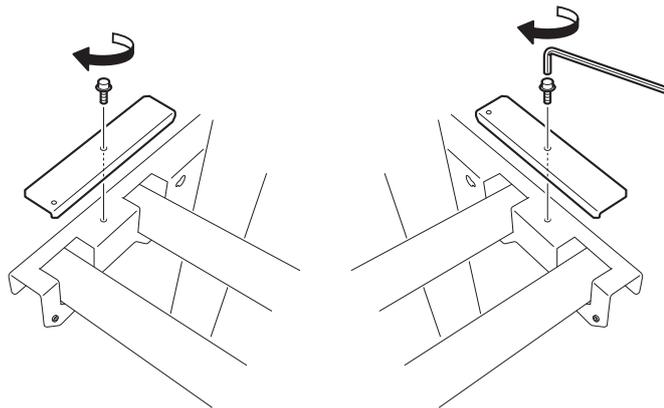
Position the media holders approximately 100 mm (3.94 in.) from the edges.



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

IMPORTANT

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



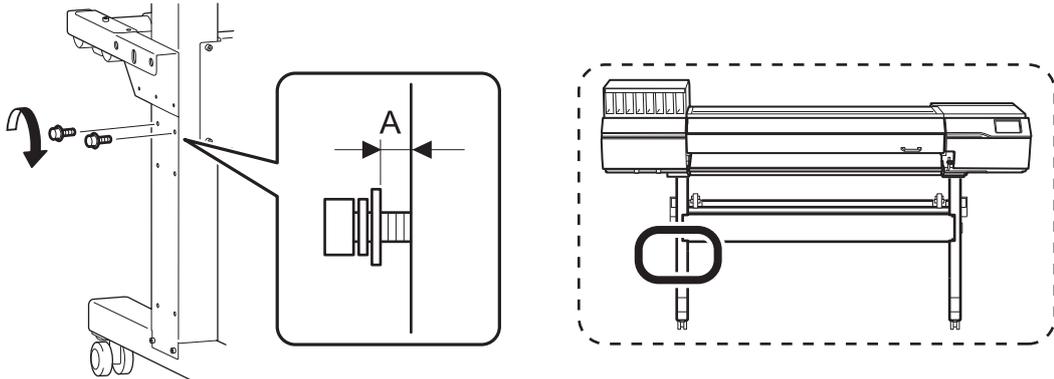
Step 4: Assembling the Media Take-up Unit

1. Attach the arms.

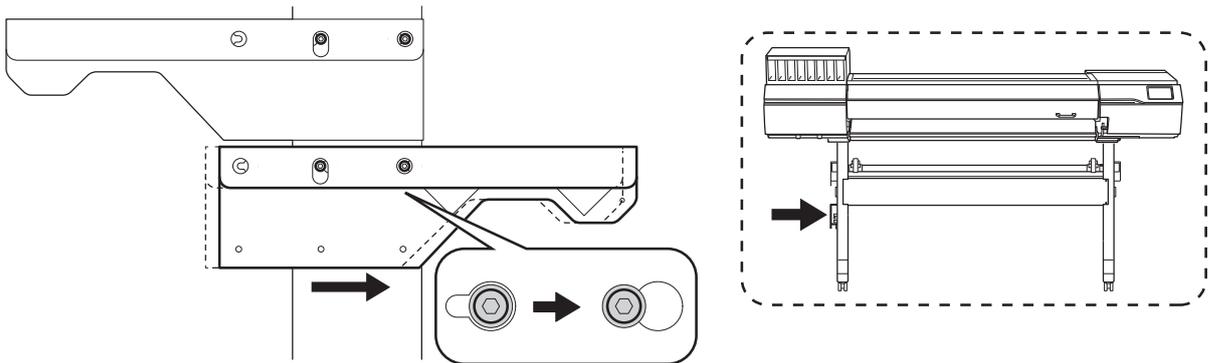
Procedure

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).

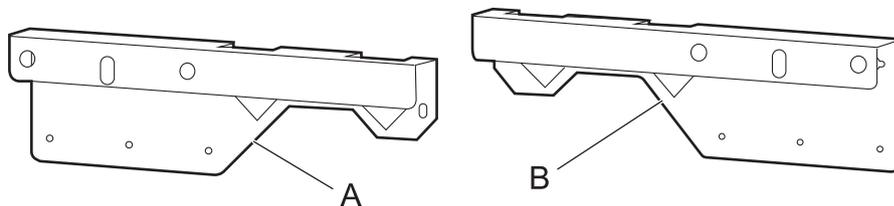


2. Attach the left arm to the temporarily tightened bolts, and then slide this arm to the right.



MEMO

Each arm can only be used on the left (A) or right (B) side. Attach them on the correct sides.



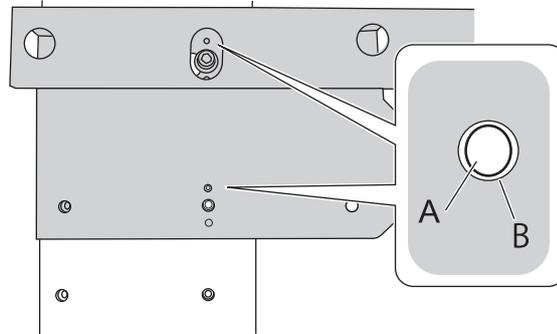
3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

1. Assembly and Ink Filling

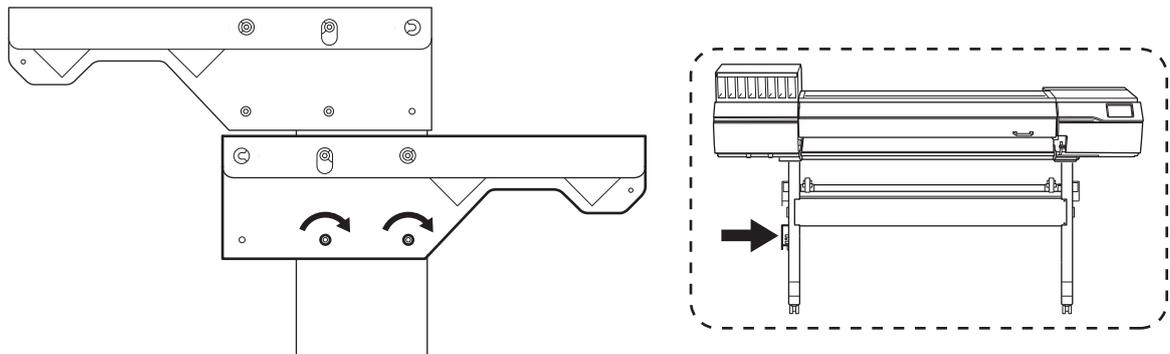
IMPORTANT

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

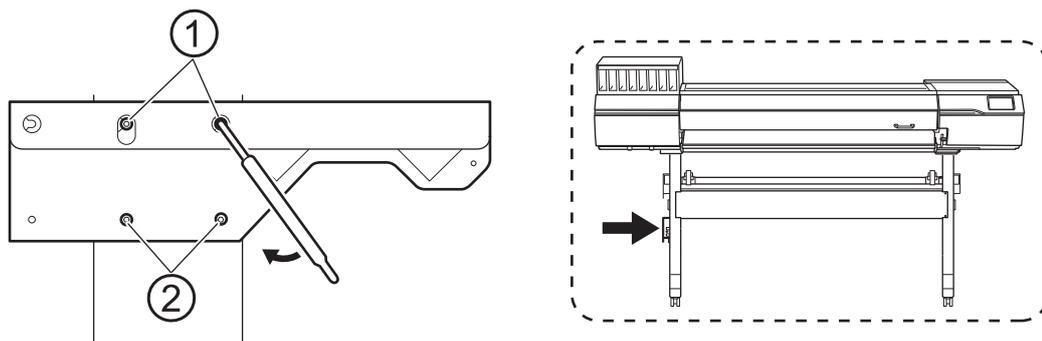
4. Make sure the protrusions on the stand leg (A) are in the center of the holes on the arm (B). Move the arm to the left and right until these protrusions are centered.



5. Temporarily tighten the bolts at the bottom of the left arm.



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



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

2. Attach the control box and the left stay.

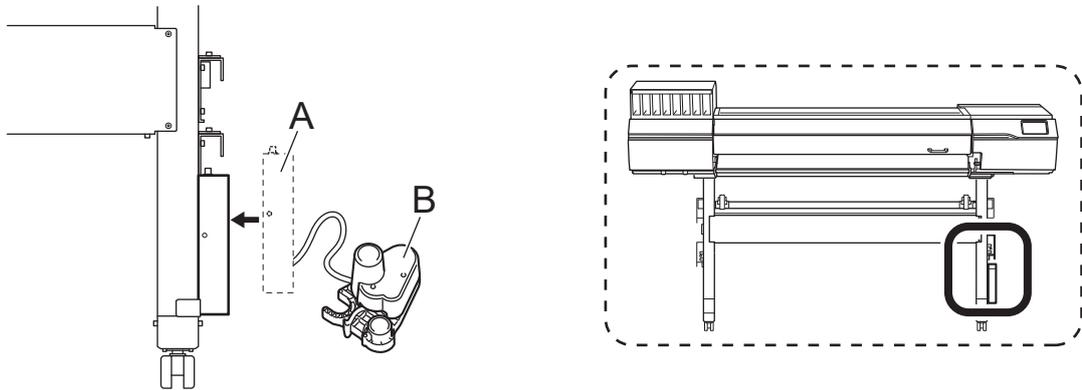
Procedure

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 printer.

IMPORTANT

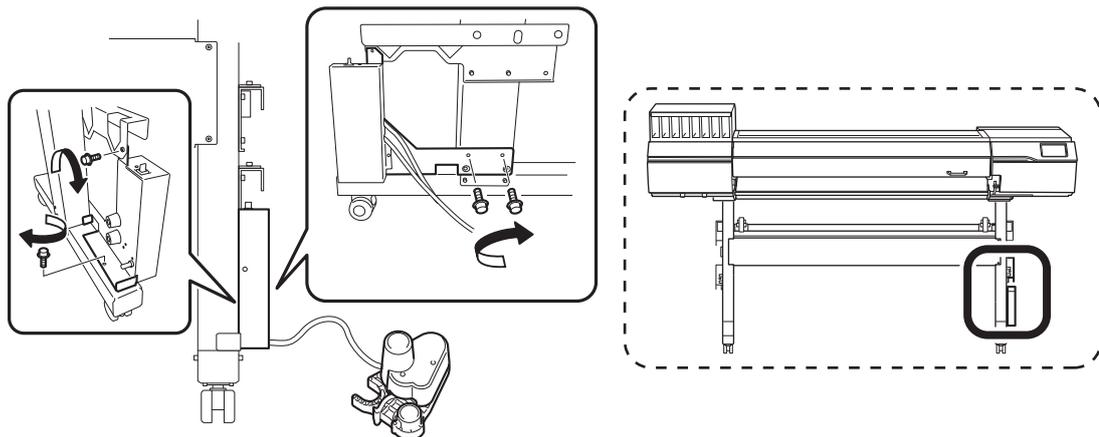
The control box (A) and the motorized media holder (B) are connected with a wire. Do not subject this wire to excessive force.



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

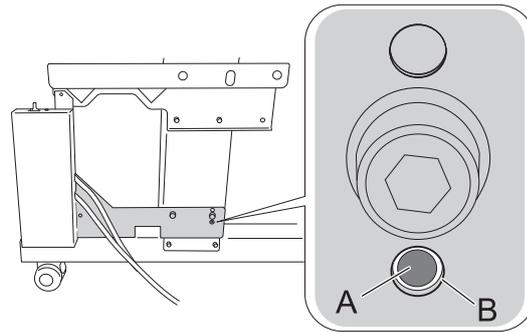
3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

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.

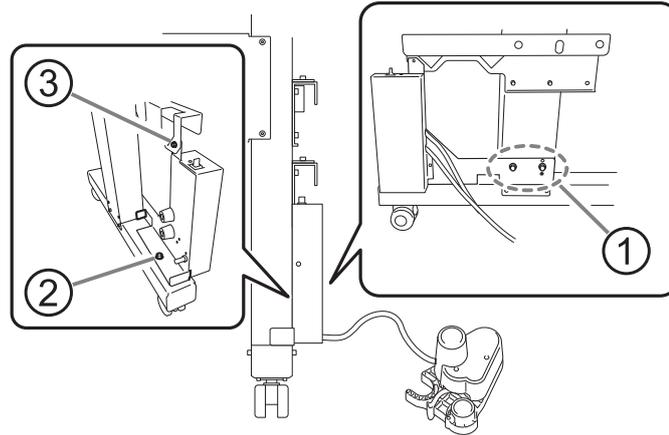


4. Make sure the protrusion on the stand leg (A) is in the center of the hole on the control box stay (B). Move the control box until this protrusion is centered.

1. Assembly and Ink Filling



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

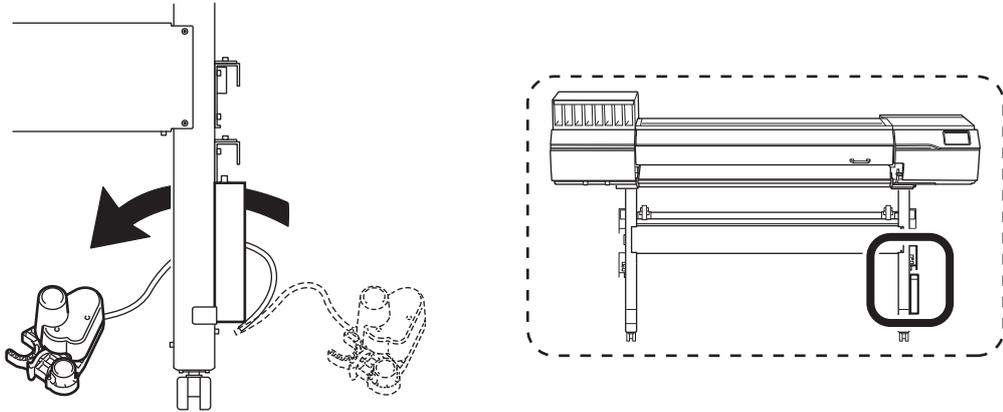
After temporarily tightening the bolts, position the stay in the same manner as the control box.

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

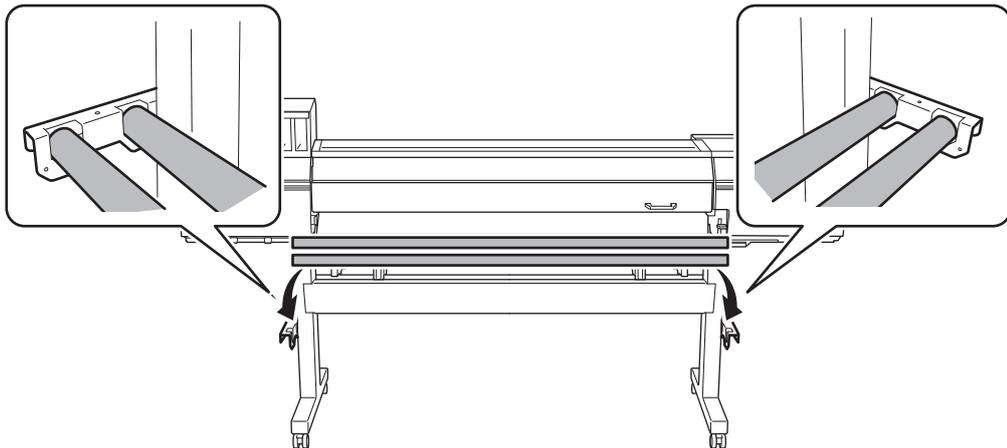
3. Attach the media holders.

Procedure

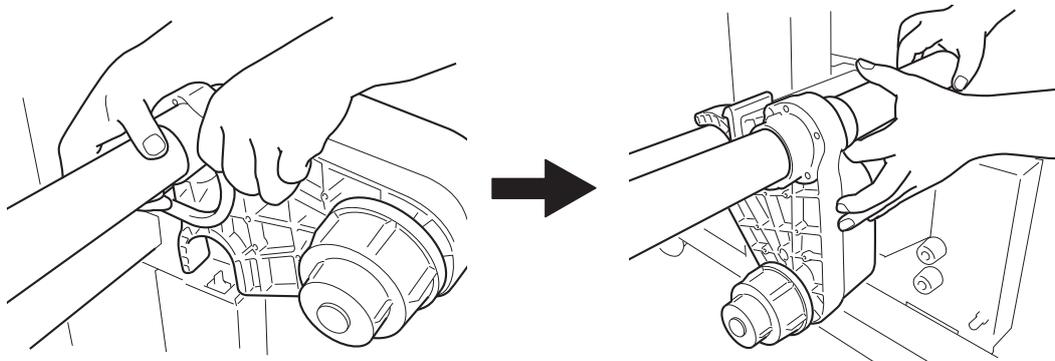
1. Position the motorized media holder as shown in the figure.
Be sure to pass this holder behind the stand.



2. Place the two shafts on the arms.

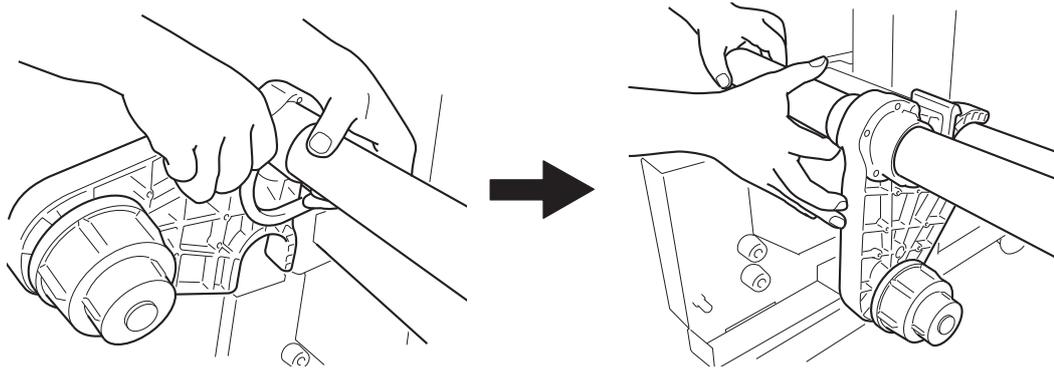


3. Pass the shaft through the motorized media holder.
 - (1) Pass the front shaft through the motorized media holder.
 - (2) Catch the motorized media holder on the rear shaft.

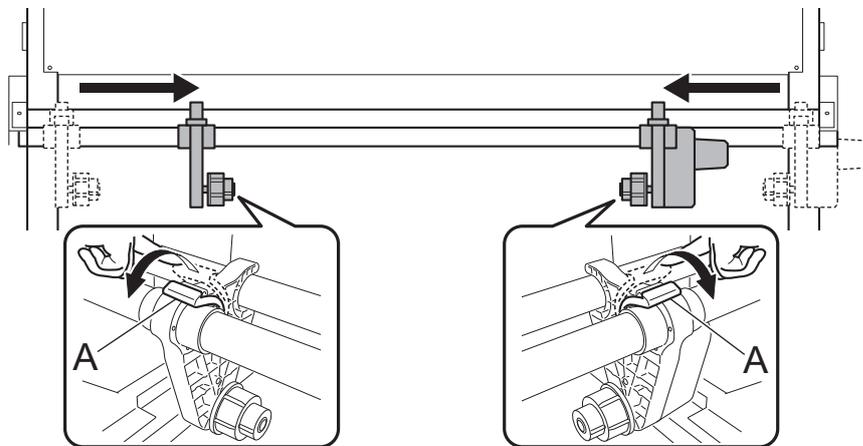


4. In the same manner, pass the shaft through the left media holder on the left side of the printer as seen from its front.

1. Assembly and Ink Filling



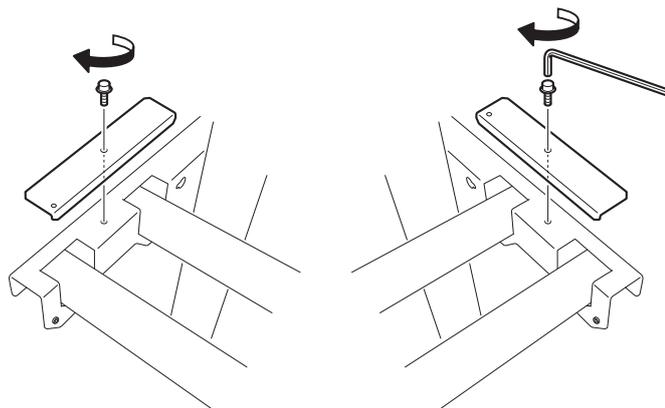
5. Lower the levers (A) to secure the left and right media holders.
Leave approximately 100 mm (3.94 in.) of space from the edges.



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

IMPORTANT

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

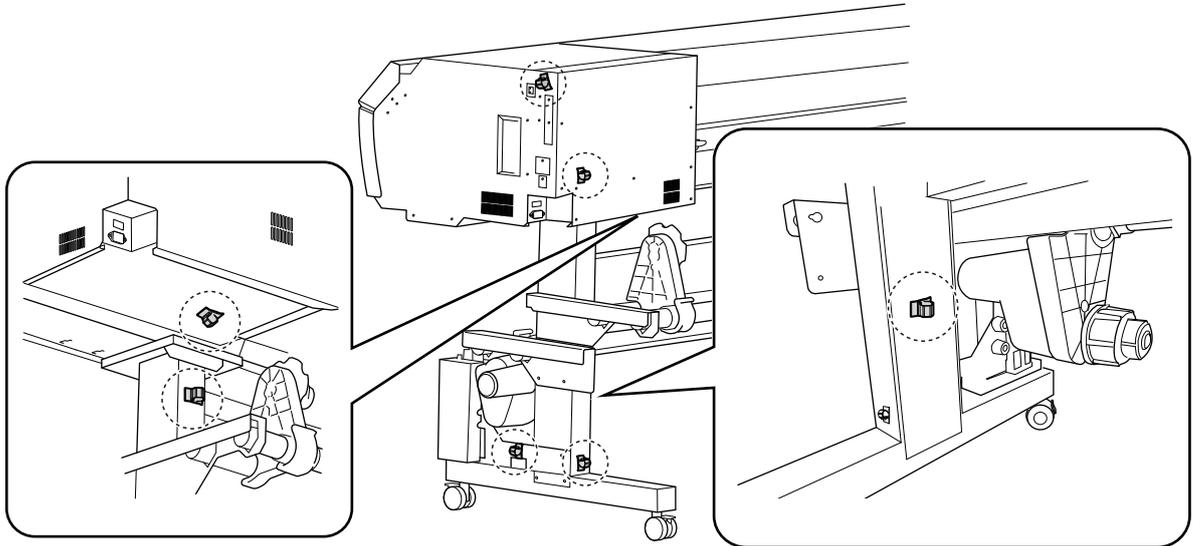


4. Attach the cable clamps and the cable.

Procedure

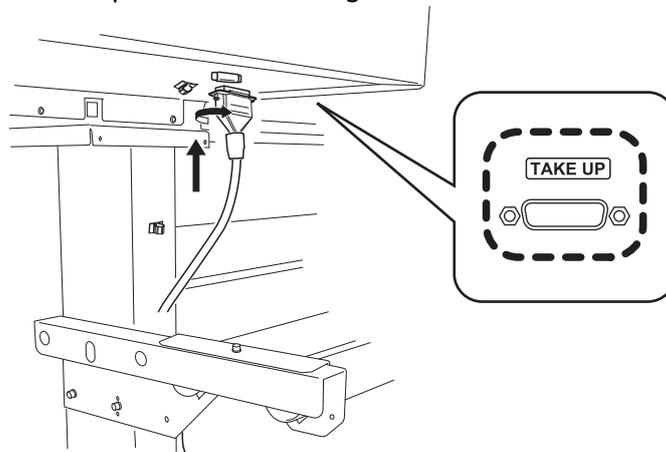
1. Attach seven cable clamps to the positions shown in the figure.

The clamps on the side and back of the machine are used for the power cord and the Ethernet cable and will be used later.



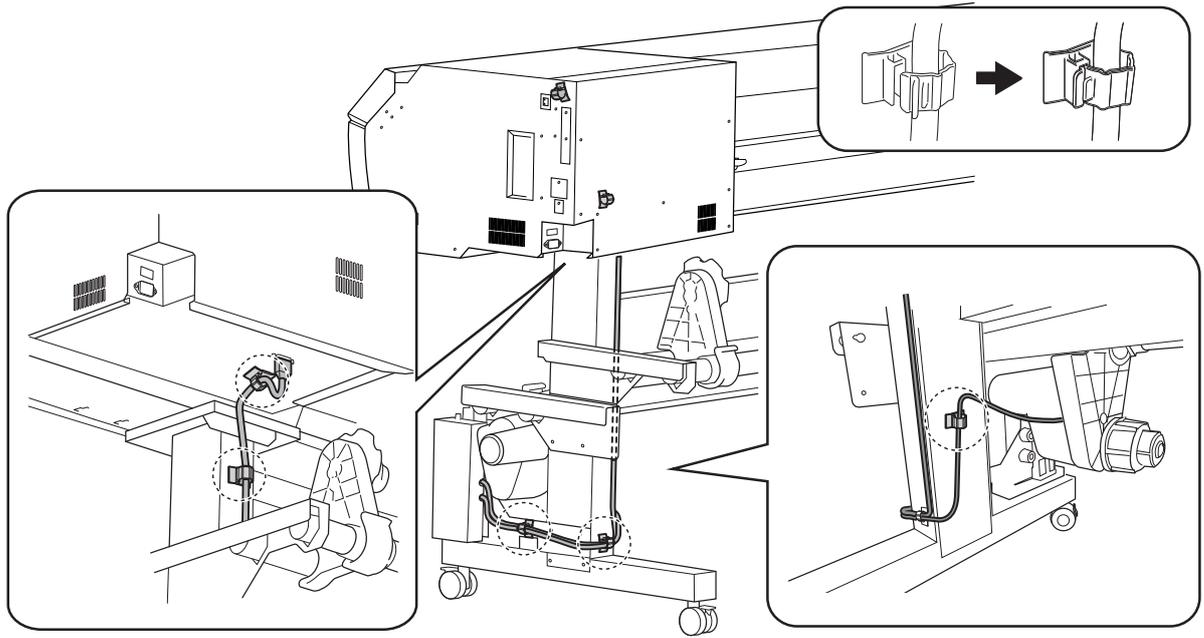
2. Connect the control box cable to the [TAKE UP] connector on the unit.

- 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.

1. Assembly and Ink Filling



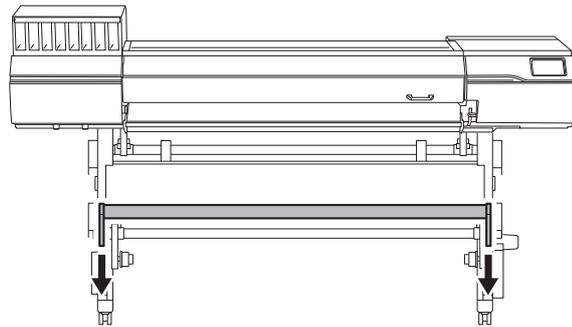
5. Install the dancer roller.

Procedure

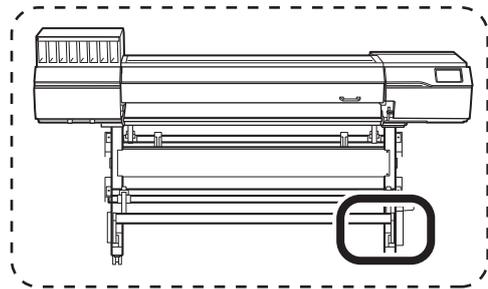
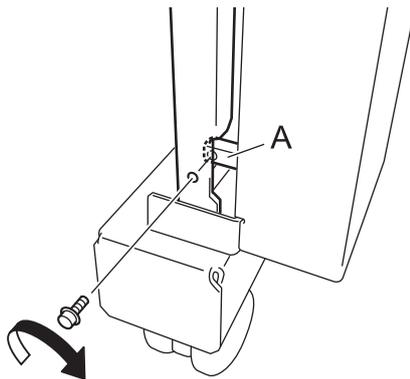
1. Raise the dancer roller and place it on the stand legs.

MEMO

The dancer roller has no particular front and rear orientation.



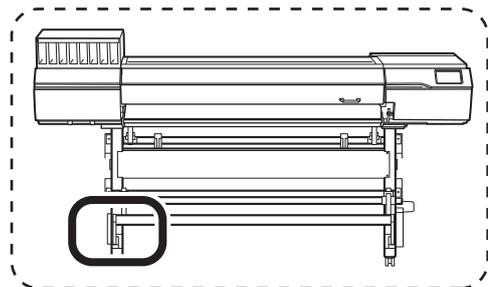
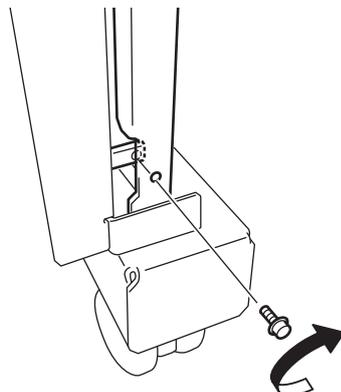
2. On the right side of the dancer roller, bring the flat surface of the shaft (A) toward you, and then temporarily tighten the bolt.



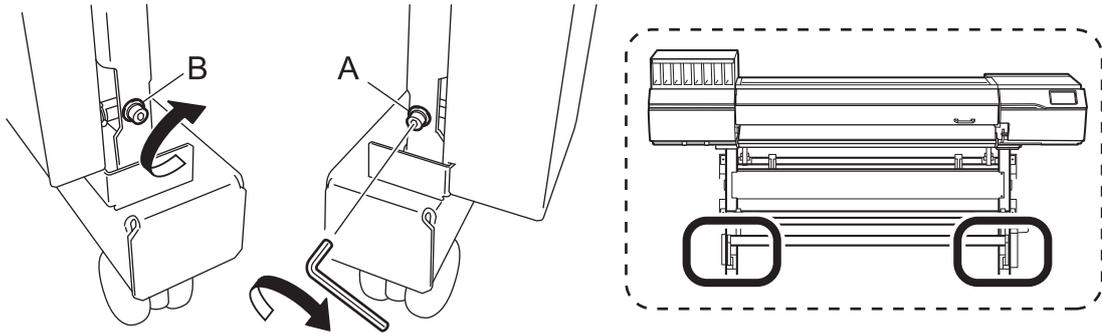
3. On the left side of the dancer roller, temporarily tighten the bolt.

MEMO

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



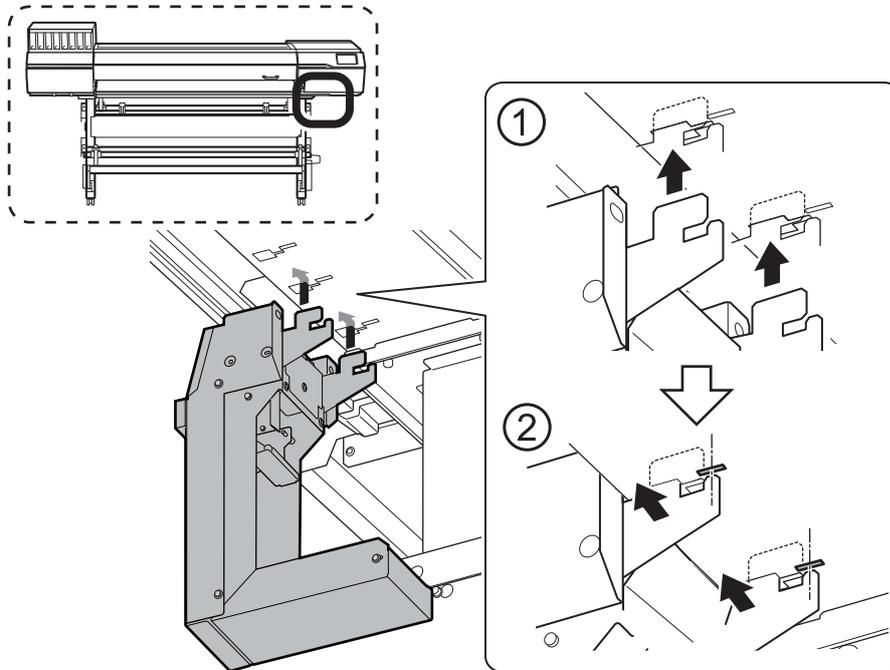
4. Fully tighten the bolt on the right side (A), followed by the left side (B) of the dancer roller.



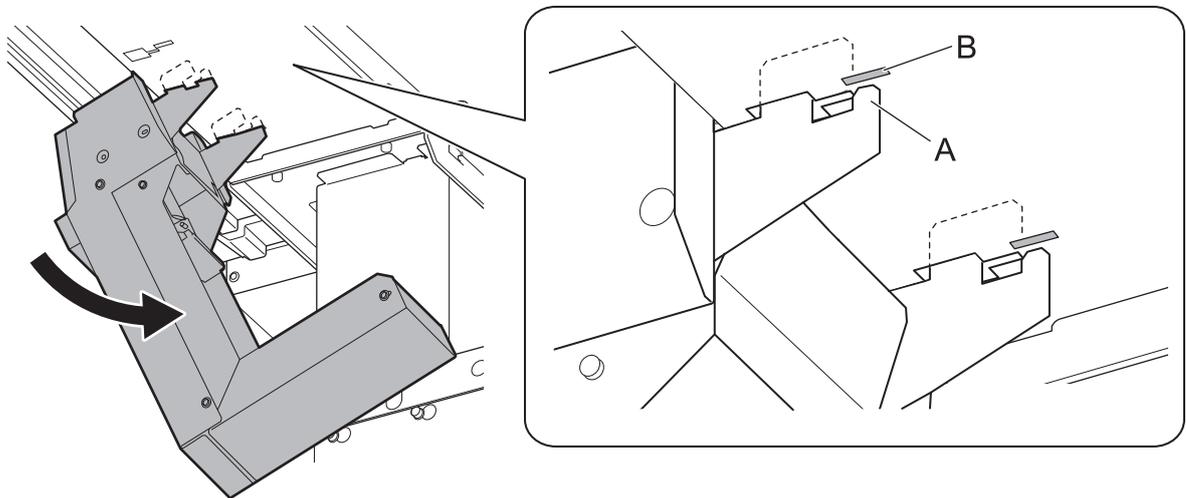
Step 5: Installing the Drain Bottle

Procedure

1. Insert the drain bottle stand into the grooves ①, and then slide it in the direction indicated in the figure ②.

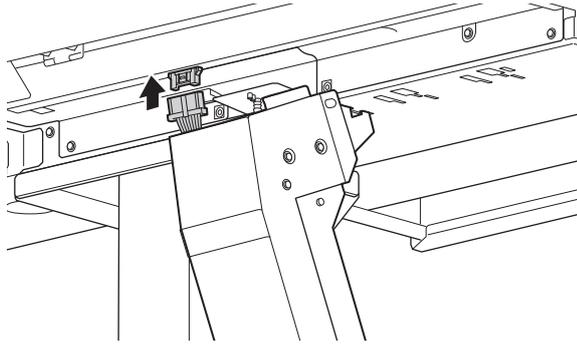


Insert the hooks (A) into the grooves (B), matching the status indicated in the figure.



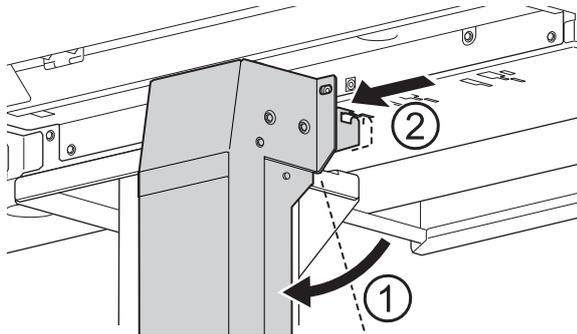
2. Connect the drain bottle stand connector to the unit.

1. Assembly and Ink Filling

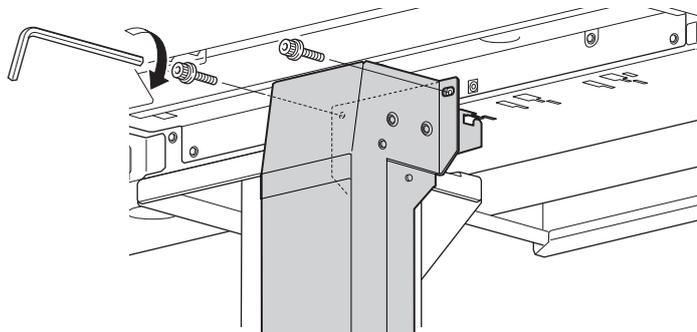


3. Stand up the drain bottle stand so it is vertical ①, and then slide it in the direction indicated in the figure ②.

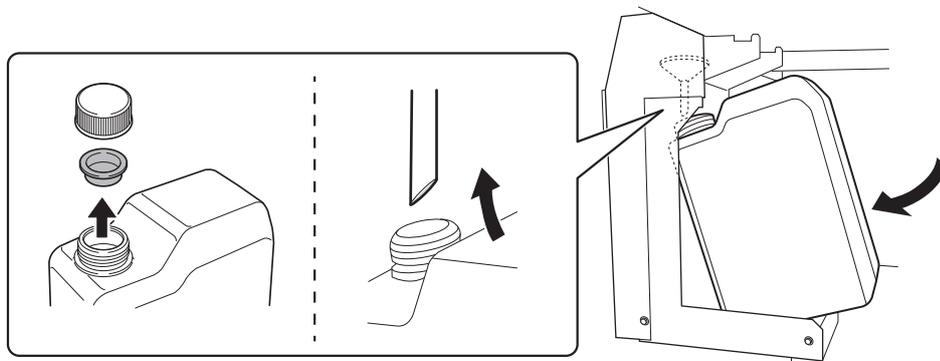
Stand up the drain bottle stand until the hooks come completely free from the grooves.



4. Fully tighten the two bolts to secure the drain bottle stand.



5. Install the drain bottle in the bottle stand.



Step 6: Removing the Retainers

IMPORTANT

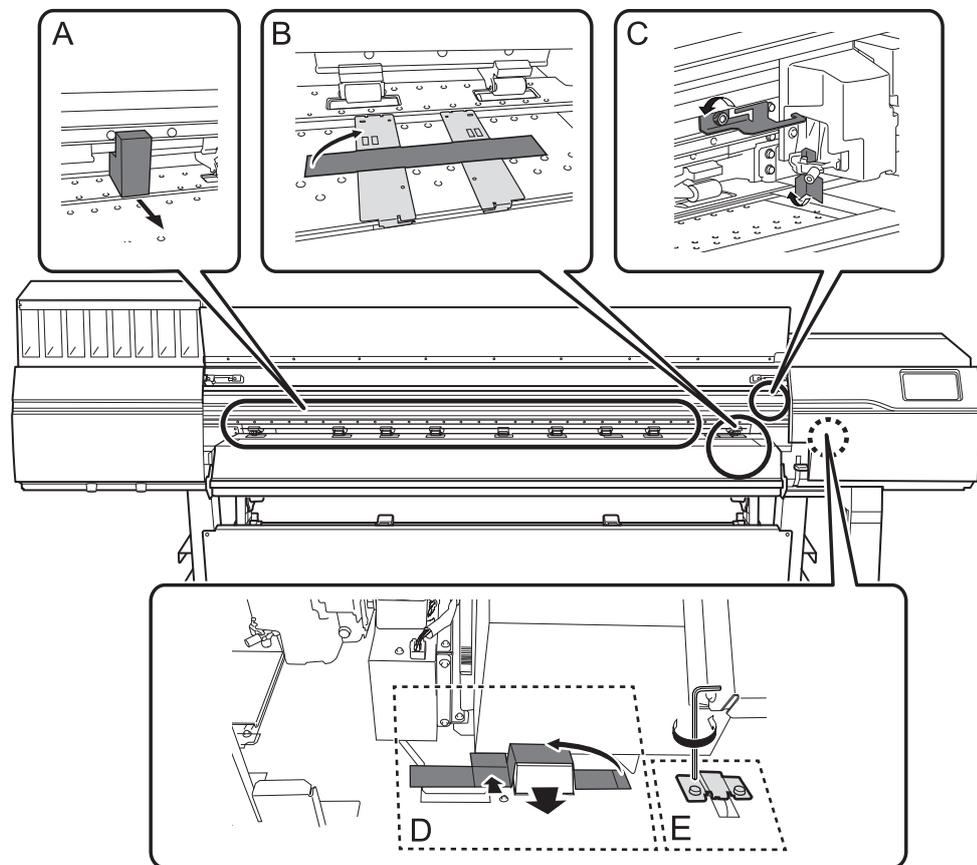
- Make sure to remove all the retainers. Any that remain may cause faulty operation or breakdown when the power is switched on.
- Store the retainers because they are needed again when transporting the machine.

Procedure

1. Open the front, left, and right covers.

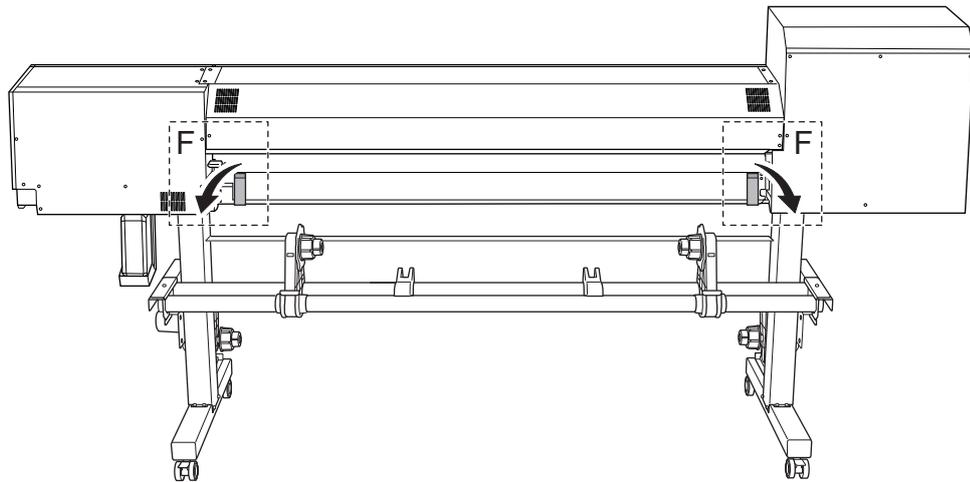
2. Remove all the retainers.

Front



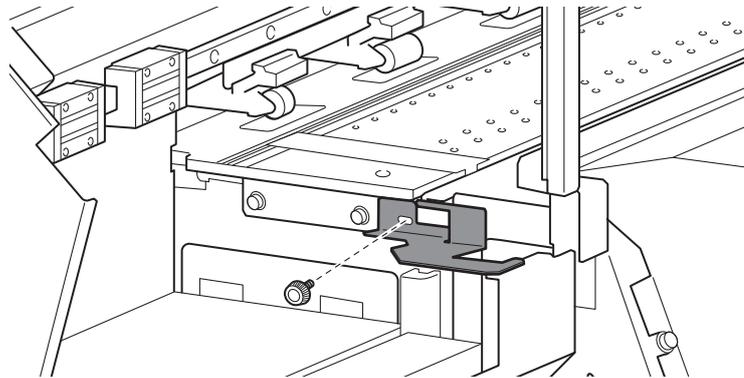
1. Assembly and Ink Filling

Rear



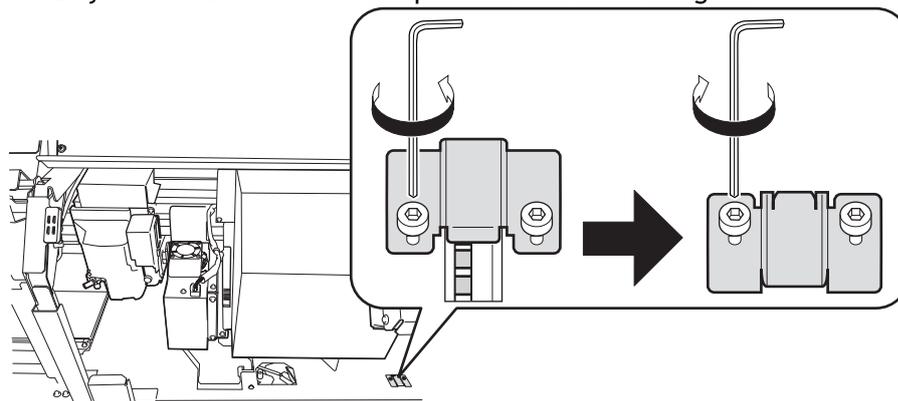
3. Install retainers C and E, which you have removed, at the positions indicated in the figure for storage. Use the bolt removed in step 2.

Retainer C



Retainer E

Rotate retainer E by 180° and install it at the position that hides the gear.



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

Step 7: Affixing the Labels

Cartridge-slot labels are affixed to the platen at the location where the front cover opens. Remove these labels from the platen, and then affix to the top of the cartridge slots the labels of the ink types to use. The following tables indicate the order of the ink cartridges.

- CMYK

Y	M	K	C	Y	M	K	C
---	---	---	---	---	---	---	---



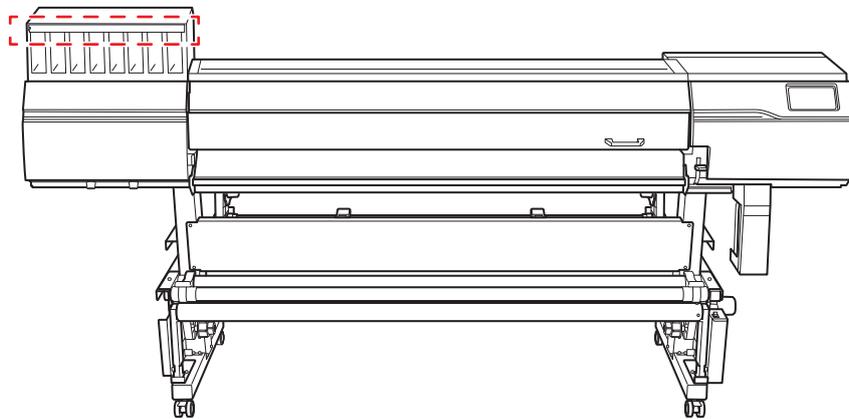
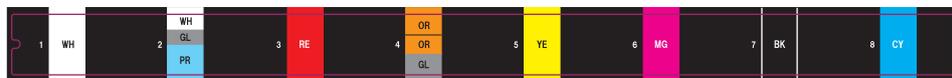
- CMYKWhWhGlPr and CMYKWhWhGlGl

CMYKWhWhGlPr	Wh	Wh	Gl	Pr	Y	M	K	C
CMYKWhWhGlGl	Wh	Wh	Gl	Gl	Y	M	K	C



- CMYKOrReWhWh, CMYKOrReWhGl, CMYKOrReWhPr, and CMYKReWhGlPr

CMYKOrReWhWh	Wh	Wh	Re	Or	Y	M	K	C
CMYKOrReWhGl	Wh	Gl	Re	Or	Y	M	K	C
CMYKOrReWhPr	Wh	Pr	Re	Or	Y	M	K	C
CMYKReWhGlPr	Wh	Pr	Re	Gl	Y	M	K	C



Step 8: 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
 - Use a power plug connector if the electrical outlet is a two-prong outlet.

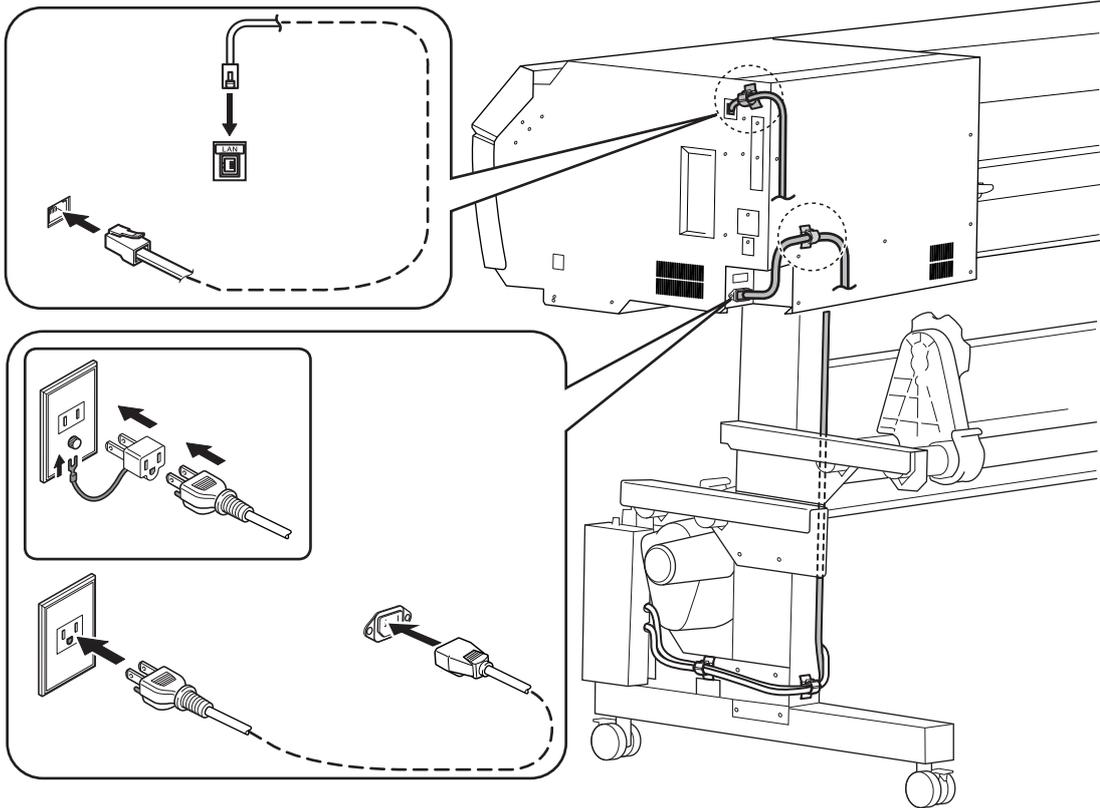
⚠ WARNING

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



Step 9: 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.

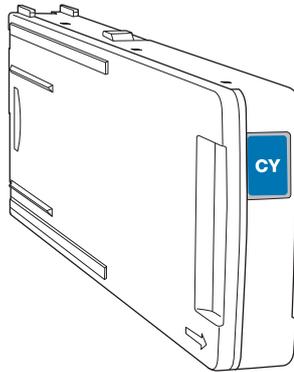
IMPORTANT

- 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.

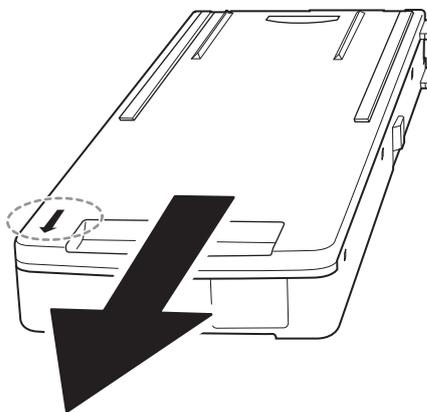


MEMO

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.

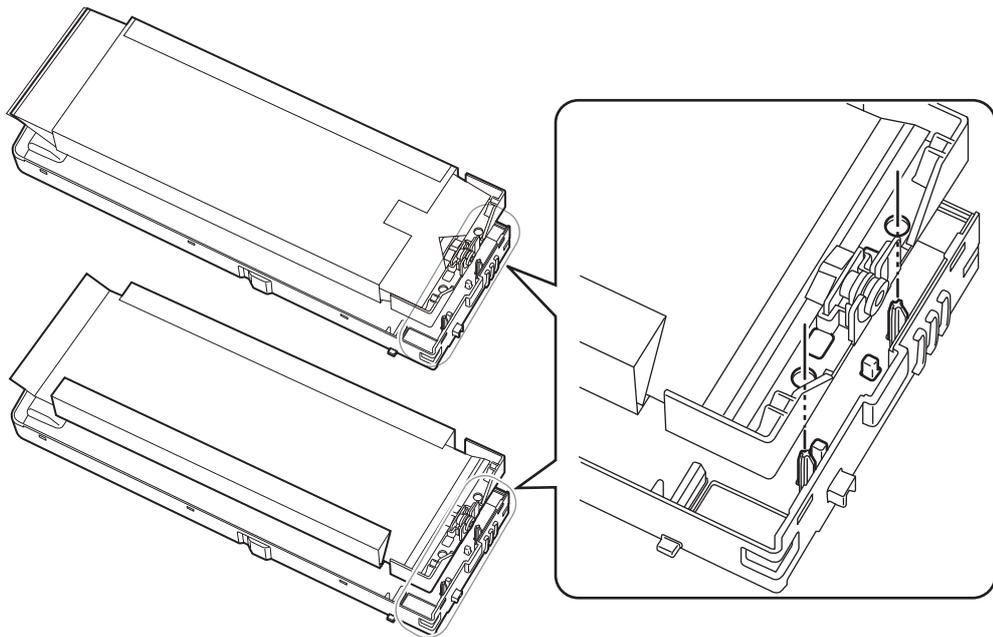
Check the ink pouch labels and insert them in the cases with the labels for the same colors, which were affixed to the cases in step 1.

IMPORTANT

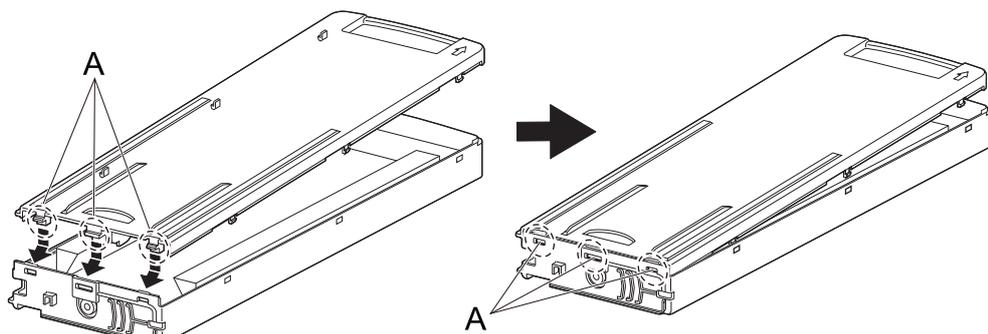
Inserting ink cartridges into the machine without realizing that ink pouch colors and labels are mismatched may result in malfunction.

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.**

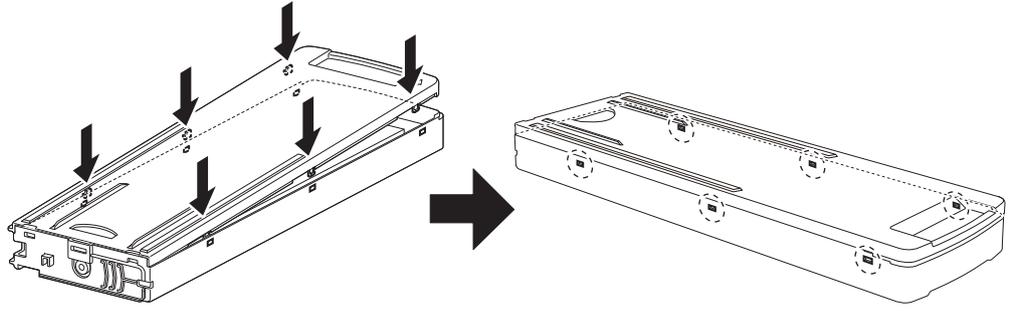
- a. Insert the protrusions (A) at the back of the cover into the holes in the cartridge case.



- 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.

1. Assembly and Ink Filling

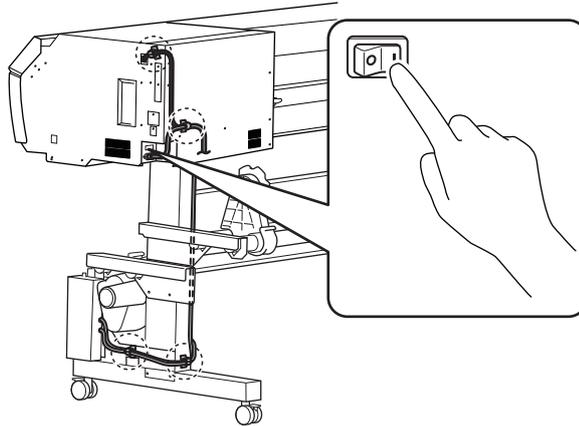


Step 10: Initial Settings and Ink Filling

1. Make the initial settings.

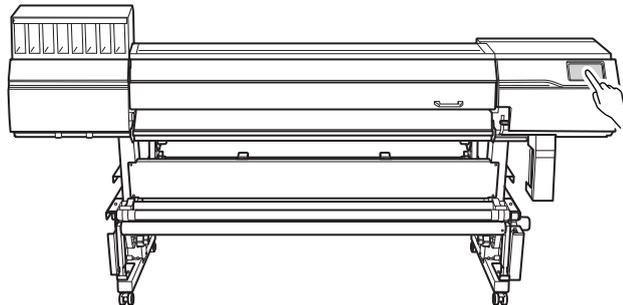
Procedure

1. Turn on the main power switch.



2. Tap the operation panel.

The operation panel turns on, and the [Tap to display the screen.] screen appears.



3. Tap the operation panel within 10 seconds of the [Tap to display the screen.] screen appearing.
The sub power turns on, and the [Language] screen appears.

4. Tap [English].

MEMO

Default setting: [English]

The language selection screen appears.

5. Select the language and tap [OK].
6. Tap [Save].
7. The [Units] screen appears. Set the [Length] and [Temperature].

1. Assembly and Ink Filling

MEMO

Default settings

- [Length]: mm
- [Temperature]: °C

8. Tap [Save].

2. Select the ink type and set the cleaning liquid in its slot.

Procedure

1. The [Ink Type Not Set] screen will appear. Tap [ECO-UV5P CMYK].
This is set to [ECO-UV5P CMYK] by default. To use this ink type, tap [OK] to proceed to the next part of the procedure.
2. Select the ink type to use, and then tap [OK].
3. Tap [Execute].
4. Perform manual cleaning before filling the machine with ink.

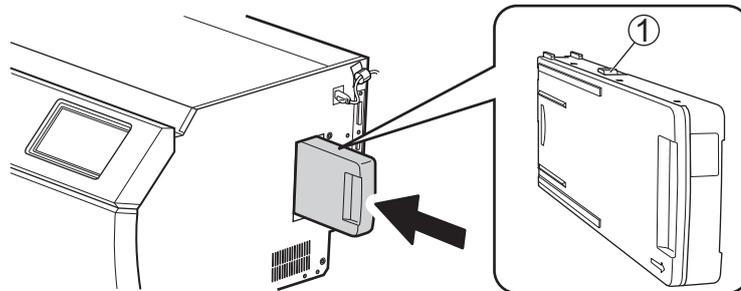
IMPORTANT

Manual cleaning before filling the machine with ink must be performed by a suitably qualified worker. Never attempt to perform this work yourself.

5. Set the cleaning cartridge in the cleaning liquid slot.
Orient the cartridge so its protrusion (①) is face up, and then insert the cartridge as far as it will go, ensuring that the cartridge remains level.

IMPORTANT

Do not insert ink cartridges into the cleaning liquid slot. Inserting an incorrect cartridge may lead to breakdowns. Be careful not to insert the wrong cartridges. If you insert an incorrect cartridge by mistake, contact your authorized dealer.



6. Tap [Finish All].

3. Fill the machine with ink.

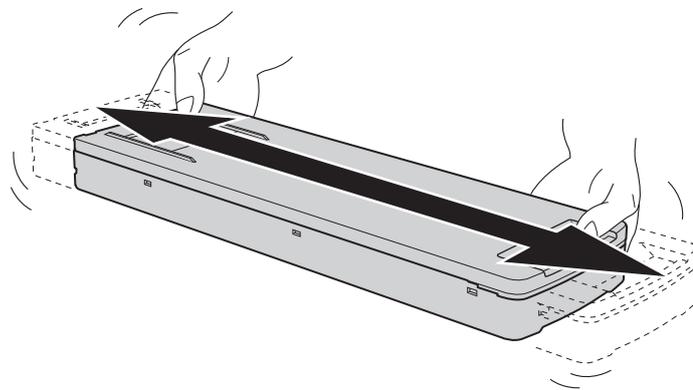
Procedure

1. Before inserting ink cartridges, shake each of them 50 times (about 20 seconds).

The precipitation of the ingredients in the ink disables printing in normal color. To allow the ingredients to be mixed well, shake each ink cartridge horizontally from side to side by 5 cm (2 inches) from each end of the ink cartridge.

IMPORTANT

When shaking the ink cartridge, firmly hold it with both hands to prevent the ink cartridge cover from coming loose. The cover and ink pouch coming loose and falling may lead to damage or printer failure.

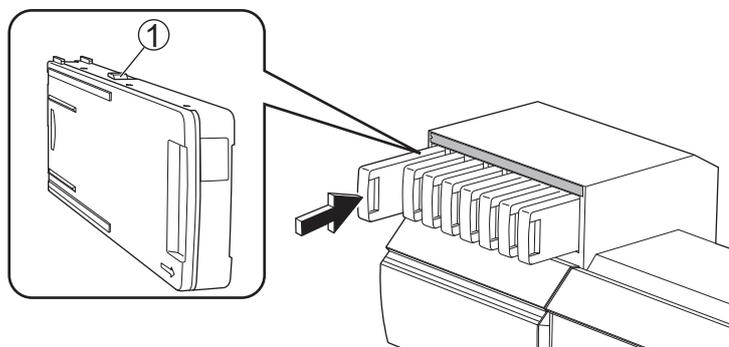


2. Set the ink cartridge in the ink slot.

Orient the cartridge so its protrusion (①) is face up, and then insert the cartridge as far as it will go, ensuring that the cartridge remains level.

IMPORTANT

Do not insert cleaning cartridges into the ink slots. Ink labels indicating colors are affixed to the machine. Insert each ink cartridge into the slot whose label matches the color of the ink in the cartridge. Inserting an incorrect cartridge may lead to breakdowns. Be careful not to insert the wrong cartridges. If you insert an incorrect cartridge by mistake, contact your authorized Roland DG Corporation dealer.



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

3. When the ink filling is complete, the top menu appears.

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.

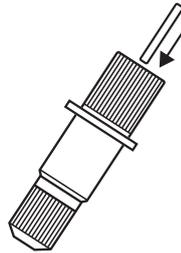
Doing so may result in injury. The cutting performance of the blade will also be impaired.

Assembling the Cutting Tool

Procedure

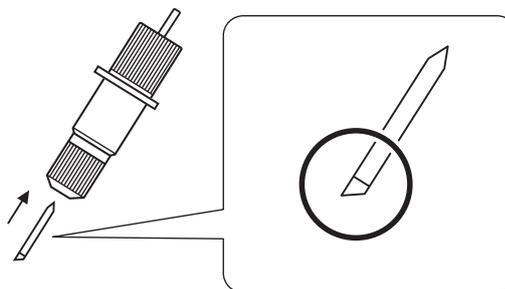
1. Insert the pin.

Insert the pin until the tip protrudes about 3 to 5 mm (0.12 to 0.20 in.).



2. Insert the blade.

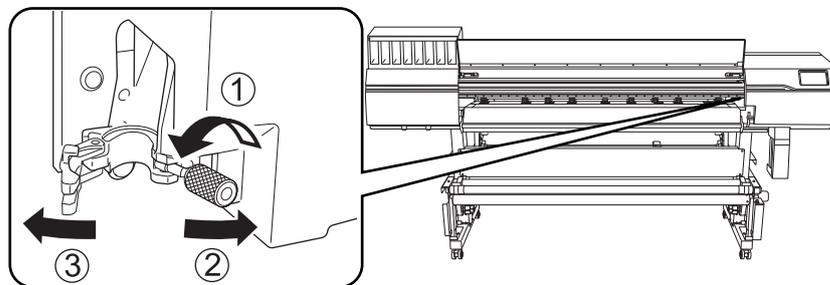
Insert the blade into the hole so the blade tip is on the outside.



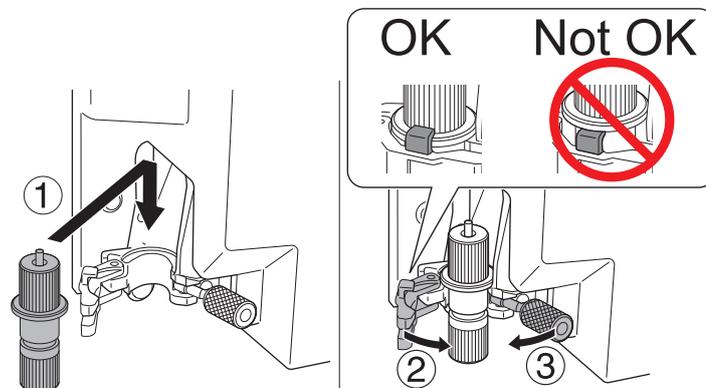
Installing the Cutting Tool

Procedure

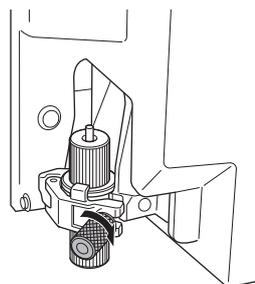
1. Tap .
2. Tap [Maintenance]>[Blade Replacement].
3. Tap [Execute].
The cutting carriage moves to a position where the blade can be installed.
4. When the message [Open the front cover.] appears on the screen, open the front cover.
5. Loosen the cutting carriage screw in the order shown in the figure.



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 [Setting the Software RIP\(P. 61\)](#) 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\(P. 50\)](#).

When connecting the computer and the machine directly, carry out [Directly Connecting to the Computer\(P. 52\)](#).

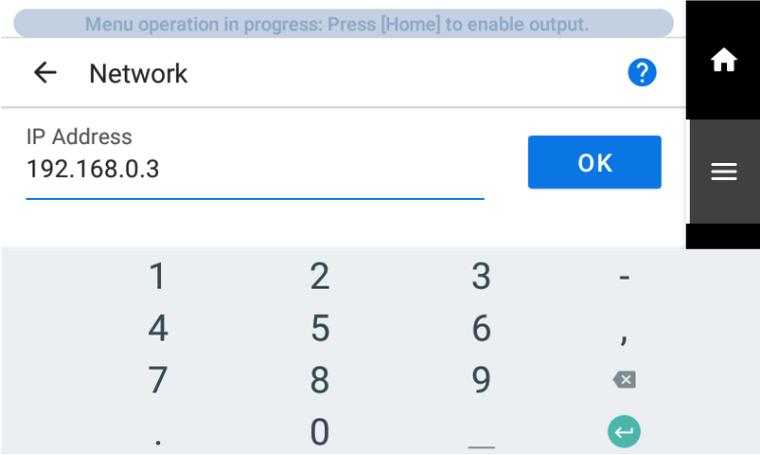
If the computer you're using is connected to a number of networked devices or to the Internet, incorrect settings may adversely affect the entire network. For detailed information about the settings, consult your network administrator.

Setting a Fixed IP Address

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.



Menu operation in progress: Press [Home] to enable output.

← Network ?

IP Address
192.168.0.3 OK

1	2	3	-
4	5	6	,
7	8	9	✕
.	0	_	↩

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.

Menu operation in progress: Press [Home] to enable output.

← Network ?

Subnet Mask
255.255.255.0

OK

1	2	3	-
4	5	6	,
7	8	9	✕
.	0	—	←

8. Enter the subnet mask.

9. Tap [OK].

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

The numeric value input screen appears.

Menu operation in progress: Press [Home] to enable output.

← Network ?

Default Gateway
192.168.0.1

OK

1	2	3	-
4	5	6	,
7	8	9	✕
.	0	—	←

11. Enter the default gateway.

12. Tap [OK].

13. Tap [Save].

14. Tap  to go back to the original screen.

This completes the setting of a fixed IP address. Go back to the home screen. Then, proceed to [Setting the Software RIP\(P. 61\)](#).

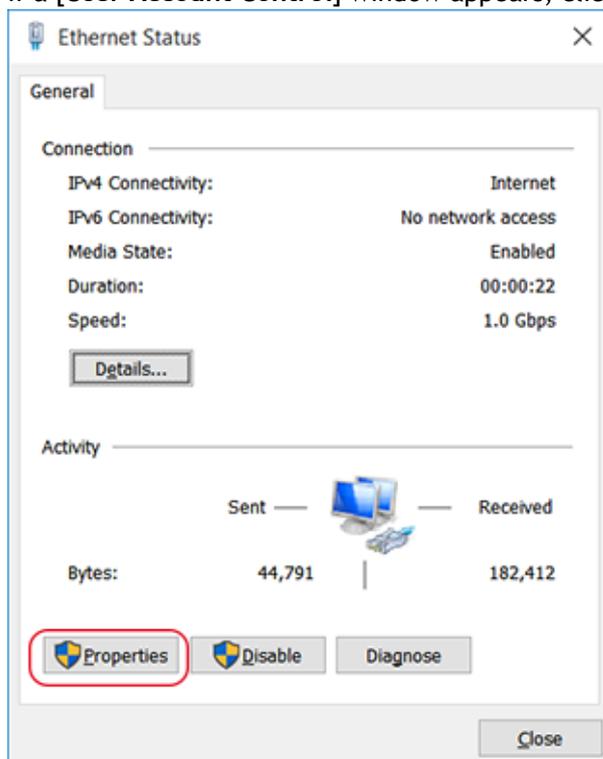
Directly Connecting to the Computer

This section explains the setting procedure for connecting one computer and one machine.

Step 1: Setting the Computer's Network

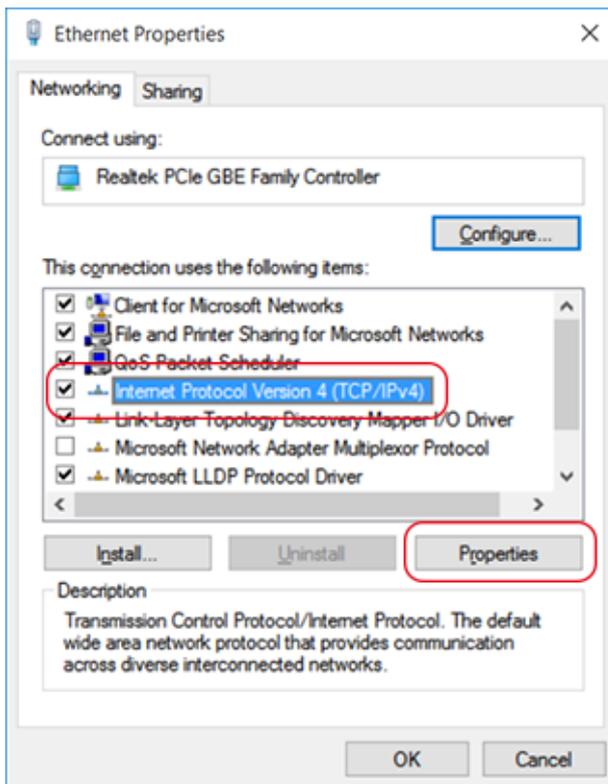
Procedure

1. Log on to Windows as the [Administrator] or a member of the [Administrators] group.
2. Display the network connections screen.
 - Windows 11
 - a. Click [Start]>[Settings] .
 - b. Click [Network & Internet]>[Dial-up] .
 - c. Click [Network and Sharing Center].
 - d. Click [Ethernet] or [Wi-Fi].
 - Windows 10
 - a. Click [Start]>[Settings]>[Network & Internet] .
 - b. Click [Network and Sharing Center].
 - c. Click [Ethernet] or [Wi-Fi].
3. Click [Properties].
If a [User Account Control] window appears, click [Continue].



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

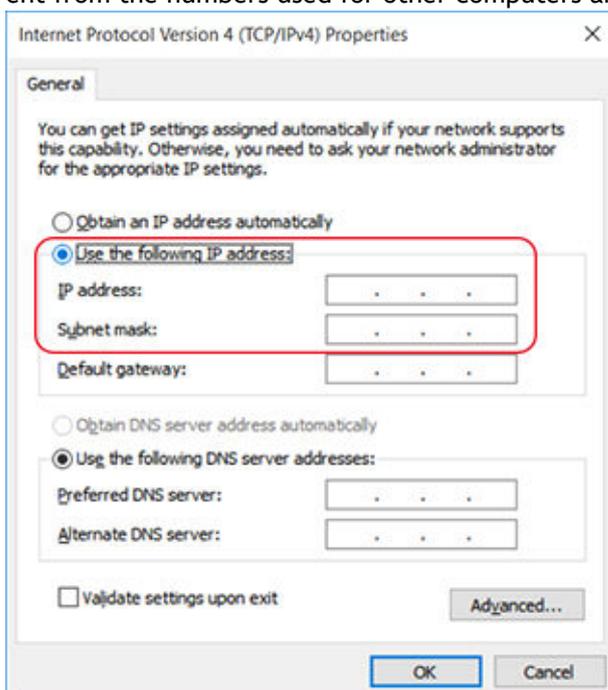
4. Select [Internet Protocol Version 4 (TCP/IPv4)], and then click [Properties].
If the [Internet Protocol] check box is clear, select it.



5. Select [Use the following IP address]. Enter the information as shown below, and then click [OK] .

Item	Address to enter
IP address	192.168.0.XXX
Subnet mask	255.255.255.0

Here, "XXX" can be any number from 1 to 254. However, be sure to specify a number that is different from the numbers used for other computers and devices.



6. Click the following buttons to return to the original state.

3. Network Settings

- a. [OK] in the [Internet Protocol Version 4 (TCP/IPv4) Properties] window
- b. [Close] in the [Ethernet Properties] or [Wi-Fi Properties] window
- c. [Close] in the [Ethernet Status] or [Wi-Fi Status] window

Step 2: Make the Network Settings on the Printer

Procedure

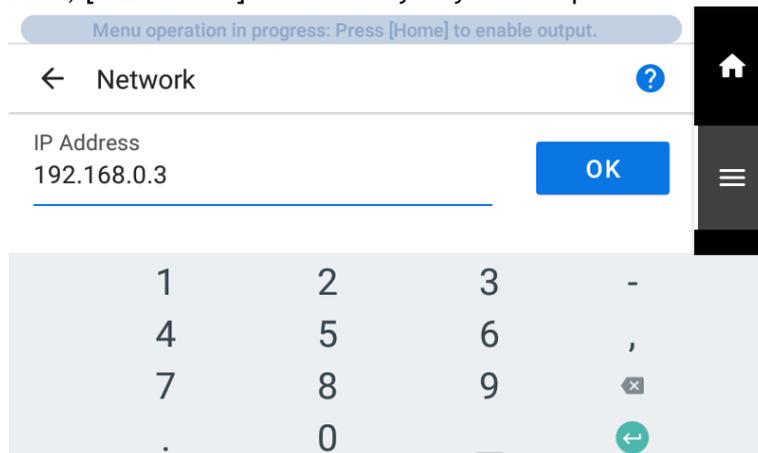
1. Set the IP address.

- (1) Tap .
- (2) Tap [System Information]>[Network].
- (3) Tap [Obtain IP Address Automatically] to turn it off.
- (4) Tap  next to [IP Address].
- (5) Set the IP address (192.168.0.XXX).

"XXX" represents a number from 1 to 254. However, be sure to specify a number that is different from the setting you made in Step 1 and from the numbers used for other computers and devices.

For the part corresponding to [192.168.0], apply the same value as the setting of your computer.

Here, [192.168.0.3] is entered by way of example.



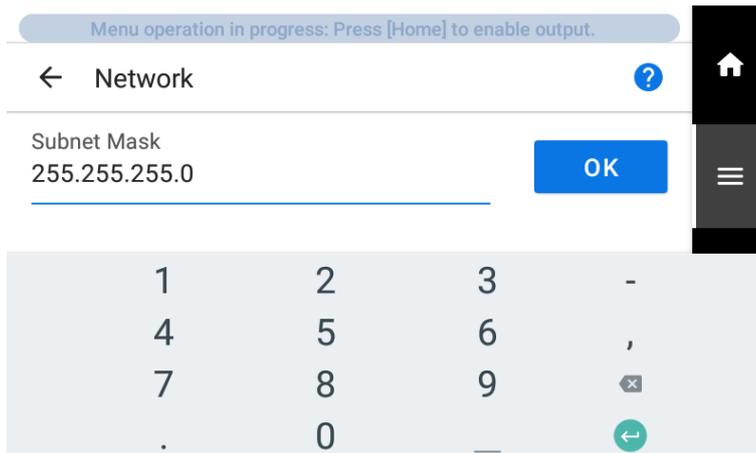
- (6) Tap [OK].

2. Set the subnet mask.

- (1) Tap  next to [Subnet Mask].
- (2) Set the subnet mask (255.255.255.0).

Note: For the subnet mask, make the setting the same value as the one used by the computer.

3. Network Settings



(3) Tap [OK].

(4) Tap [Save].

If you are using the computer and the machine on a one-to-one basis, this completes the settings to make on the printer.

Go back to the original screen. Then, proceed to 4. [Downloading and Installing Software\(P. 57\)](#).

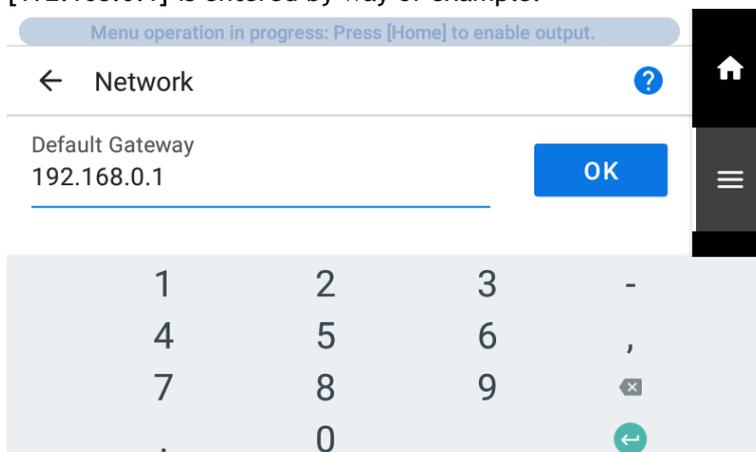
If you need to set the gateway address, proceed to the following procedure.

3. Set the gateway address.

(1) Tap  next to [Default Gateway].

(2) Set the default gateway (192.168.0.XXX).

For the value to enter for your default gateway, contact your network administrator. Here, [192.168.0.1] is entered by way of example.



(3) Tap [OK].

(4) Tap [Save].

4. Tap  to go back to the original screen.

4. Downloading and Installing Software

IMPORTANT

A connection to the Internet is required to download and install the software.

Among the various pieces of software to use with this machine, first download and install Roland DG Connect Hub on the computer to connect to the machine. Then, install the other required software.

Downloading Roland DG Connect Hub

Procedure

1. Start the computer and log on as the "Administrator" or an "Administrators" account.
Shut down all other programs.

MEMO

Only the account with "Administrators" rights that was used to install this software can use it.

2. Access the following website on the computer where the software will be downloaded.
<https://downloadcenter.rolanddg.com/LG-640#software>

MEMO

Depending on where you live, you may be asked to complete user registration before downloading the software.

3. Click [Roland DG Connect / Connect Hub].
4. Click [Installer / Updater].
The explanation window for Roland DG Connect appears.
5. Click [Next].
6. Read the license agreement for the software. If you agree with the contents, click [Agree].
7. Download [RolandDG_Connect_Setup.zip] to an arbitrary location.

Installing the Software

IMPORTANT

A Roland DG Connect Hub setup video is available. This video aids in understanding the flow and details of the settings, so view it before performing setup.

https://downloadcenter.rolanddg.com/contents/software_parts/connect_info_en.html

1. Install Roland DG Connect Hub.

Procedure

1. Right-click the downloaded file [RolandDG_Connect_Setup.zip], and then click [Extract All].
Click [Browse], specify the folder in which to extract the files, and then click [Extract].
2. Double-click [RolandDG_Connect_Setup.exe] in the extracted folder [RolandDG_Connect_Setup].
When the [User Account Control] window appears, click [Yes] (or [Allow]).
3. Select the language to use from the pull-down list, and then click [OK].
The setup menu screen appears automatically.
Follow the on-screen instructions to carry out the installation.

MEMO

For details on installation and registration, refer to the [Initial_Setting_Guide] in the extracted folder, [RolandDG_Connect_Setup].

2. Install the software from Roland DG Connect.

Use Roland DG Connect Hub to install the related software. After software is installed, you can perform operations such as starting and updating the software from Roland DG Connect Hub.

Procedure

1. Start [Roland DG Connect Hub].

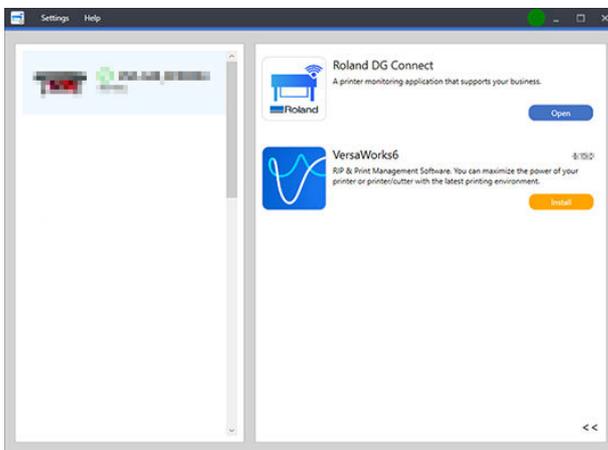
- Windows 11
 - a. Click [Start]>[All apps].
 - b. From the list of apps (programs), click [Roland DG Corporation]>[Roland DG Connect Hub].
- Windows 10
 - a. Click [Start].
 - b. From the list of apps (programs), click [Roland DG Corporation]>[Roland DG Connect Hub].

2. Refer to the Initial_Setting_Guide in the folder [RolandDG_Connect_Setup] to perform the following operations.

- a. Create a Roland DG Connect ID.
If you already have an ID, proceed to the next step.
- b. Configure the Connect Hub settings.

3. On the main screen, click the machine to use.

The software that can be used with the selected machine is displayed in the window on the right side of the screen.



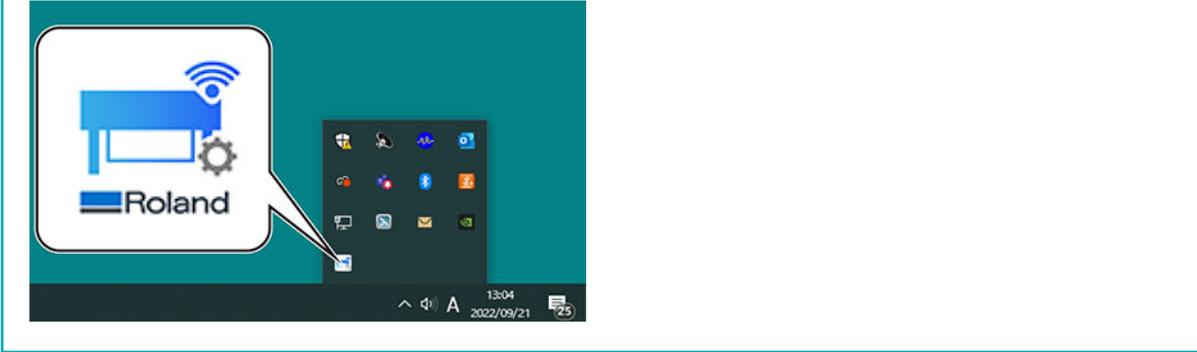
4. Install all the software displayed on the right side of the screen.

When all the software to use is installed, the procedure is complete.

IMPORTANT

When the installation is finished, click the Close button (✕) in the upper-right corner of the main screen to minimize Roland DG Connect Hub to the notification area. Although Roland DG Connect Hub is no longer displayed, it is still running. The icon of Roland DG Connect Hub is displayed at all times in the notification area while this software is running.

4. Downloading and Installing Software



Setting the Software RIP

For information on how to connect the printer after installing VersaWorks, see the [VersaWorks Installation Guide](#).

Installation of Ventilating Equipment

Ventilating Equipment63

Ventilating Equipment

In preparing ventilating devices, please note the following points.

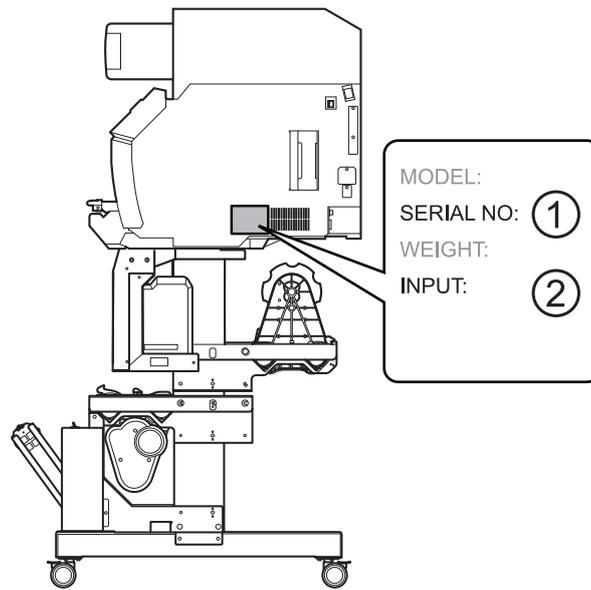
- You will be required to use the ventilating devices recommended by Roland DG Corporation. For the details of the recommended products, contact your authorized dealer.
- You will need a hose to connect the ventilating equipment and this machine.

Appendix

Location of the Power Rating and Serial Number Label65
Specifications66

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

		LG-640	LG-540	LG-300
Printing method		Piezo ink-jet method		
Media	Width	335 to 1,625 mm (13.2 to 64 in.)	295 to 1,371 mm (11.7 to 54 in.)	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39.3 mil) with liner, for printing Max. 0.4 mm (15.7 mil) with liner and 0.22 mm (8.6 mil) without liner, for cutting		
	Roll outer diameter	Max. 250 mm (9.8 in.)		
	Roll weight	Max. 45 kg (99 lb.)	Max. 35 kg (77 lb.)	Max. 30 kg (66 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)		
Printing/cutting width* ¹		Max. 1,600 mm (62.9 in.)	Max. 1,346 mm (52.9 in.)	Max. 736 mm (28.9 in.)
Ink	Type	ECO-UV (EUV5P) 750ml pouch		
	Colors	Eight colors (Cyan, Magenta, Yellow, Black, Gloss, White, Orange, and Red) Seven colors (Cyan, Magenta, Yellow, Black, Gloss, White, and Red) and Primer Seven colors (Cyan, Magenta, Yellow, Black, White, Orange, and Red) and Primer Seven colors (Cyan, Magenta, Yellow, Black, White, Orange, and Red) Six colors (Cyan, Magenta, Yellow, Black, Gloss, and White) and Primer Six colors (Cyan, Magenta, Yellow, Black, Gloss, and White) Four colors (Cyan, Magenta, Yellow, and Black)		
Ink-curing unit		Built-in UV-LED lamps		
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)		
Media heating system* ³		Front heater set temperature : 30 to 55 °C (86 to 131 °F)		
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)		
Power-saving function		Automatic sleep feature		
Power requirements		100-120/220-240 Va.c. 50/60 Hz 6.5/3.2 A		100-120/220-240 Va.c. 50/60 Hz 5.7/2.6 A
Power consumption	During operation	Approx. 800 W		Approx. 650 W
	Sleep mode	Approx. 85 W		
Acoustic noise level	During operation	63 dB(A) or less		
	During standby	58 dB(A) or less		
Dimensions (Width x Depth x Height)		2,902 mm × 748 mm × 1,412 mm (114.3 in. x 29.5 in. x 55.6 in.)	2,648 mm × 748 mm × 1,412 mm (104.3 in. x 29.5 in. x 55.6 in.)	2,038 mm × 748 mm × 1,412 mm (80.3 in. x 29.5 in. x 55.6 in.)
Weight		209 kg (461 lb.)	198 kg (437 lb.)	168 kg (371 lb.)
Environment	During operation* ⁴	Temperature : 20 to 32 °C (68 to 89.6 °F) , Humidity : 35 to 80 % 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 cord, media take-up unit, media holders, separating knife, re-placement blade, cleaning liquid, drain bottle, User's Manual, software (VersaWorks, Roland DG Connect), etc.		

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

- *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 media width, the preset temperature may fail to be reached.
- *4 **Operating environment** (Use in an operating environment within this range.)

