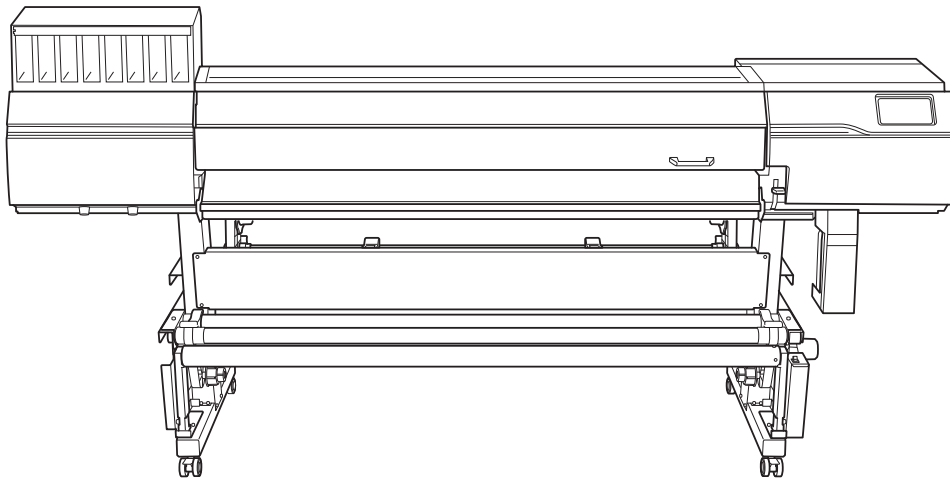


TrueVIS

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	5
Installation Space	6
Checking the Included Items	7
Air Ventilation	9
Installation	10
1. Assembly and Ink Filling	11
Checks before Operations	11
Step 1: Assembling the Stand	12
Step 2: Attaching the Printer Unit and the Stand	15
Step 3: Installing the Media Holders and Media Stays	18
Step 4: Assembling the Media Take-up Unit	22
Step 5: Installing the Drain Bottle	32
Step 6: Removing the Retainers	34
Step 7: Affixing the Labels	36
Step 8: Connecting the Cables	37
Step 9: Preparing the Cleaning Liquid and the Ink	39
Step 10: Initial Settings and Ink Filling	42
2. Installing the Cutting Tool	46
Assembling the Cutting Tool	46
Installing the Cutting Tool	47
3. Configuring the Computer's Network Settings	49
Viewing the Network Settings	49
Operating the Machine with a Fixed IP Address	53
Operating the Computer and the Machine with Fixed IP Addresses	55
4. Software Setup	60
Step 1: Creating a Roland DG Connect Account	60
Step 2: Downloading and Installing Roland DG Connect Hub	61
Step 3: Signing in to Roland DG Connect Hub	62
Step 4: Registering the Machine to Roland DG Connect Hub	63
Step 5: Installing VersaWorks from Roland DG Connect Hub	64
Step 6: Configuring VersaWorks Settings	65
Installation of Ventilating Equipment	66
Ventilating Equipment	67
Appendix	68
Location of the Power Rating and Serial Number Label	69
Specifications	70

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	5
Installation Space	6
Checking the Included Items	7
Air Ventilation	9

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 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

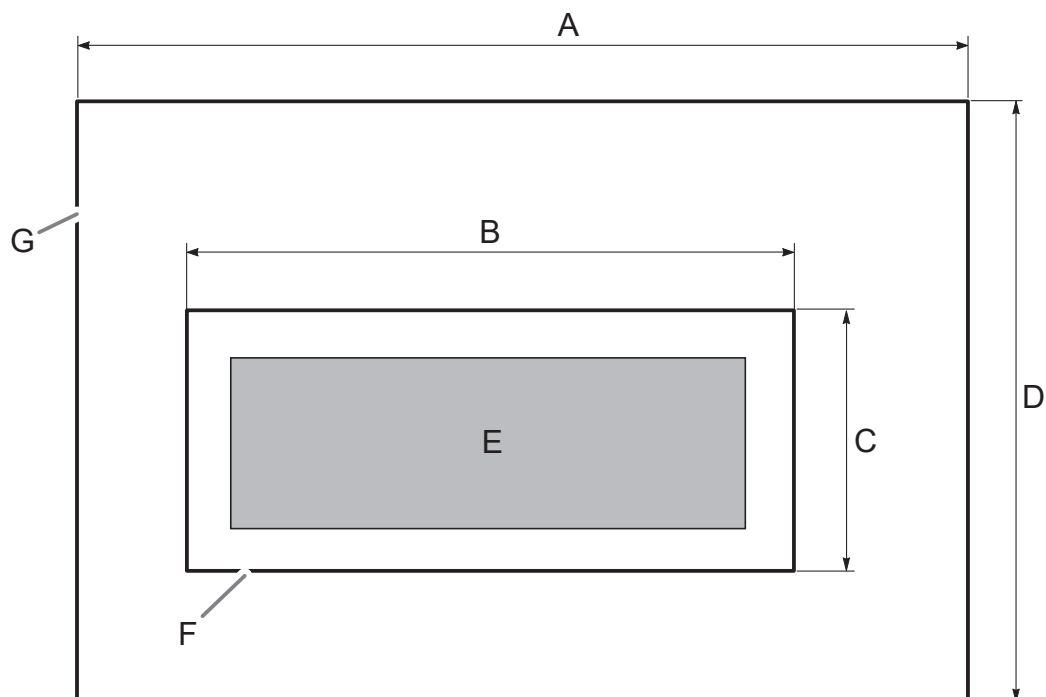
Temperature and Humidity

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

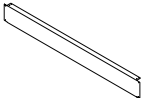
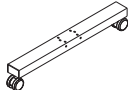
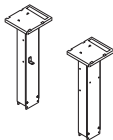
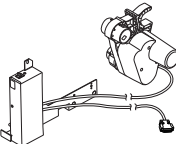
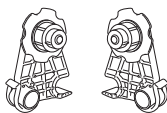
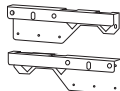
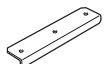
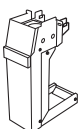
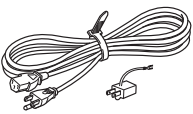
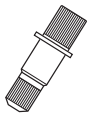
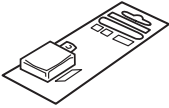
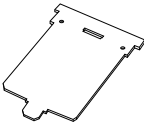
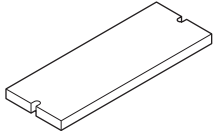
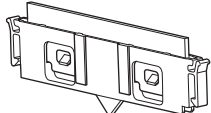
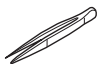
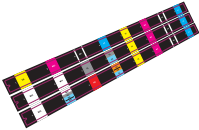
The space shown in the figure is required in order to use this machine.



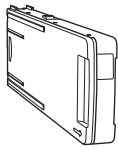
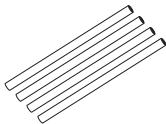
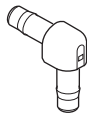
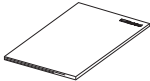
	LG-640	LG-540	LG-300
A	4,500 mm (177.2 in.)	4,000 mm (157.5 in.)	3,750 mm (147.6 in.)
B	3,500 mm (137.8 in.)	3,000 mm (118.1 in.)	2,750 mm (108.3 in.)
C	1,000 mm (39.4 in.)		
D	2,000 mm (78.7 in.)		
E	Unit		
F	Unit space		
G	Work space		

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

Checks before Installation

 Ink/cleaning cartridges (9)	 Cleaning liquid for installation (Liquid for cleaning the heads) (1) *³	 Ink tubes (4)	 Joint adapters (10)
 Stopper plugs (2)	 Manuals		

*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.

*3 This cleaning liquid is only for manual cleaning before filling the machine with ink. Never, under any circumstances, use this liquid for cleaning after the machine has been filled with ink.

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	11
Checks before Operations.....	11
Step 1: Assembling the Stand.....	12
Step 2: Attaching the Printer Unit and the Stand	15
Step 3: Installing the Media Holders and Media Stays	18
Step 4: Assembling the Media Take-up Unit	22
Step 5: Installing the Drain Bottle	32
Step 6: Removing the Retainers	34
Step 7: Affixing the Labels.....	36
Step 8: Connecting the Cables	37
Step 9: Preparing the Cleaning Liquid and the Ink	39
Step 10: Initial Settings and Ink Filling.....	42
2. Installing the Cutting Tool.....	46
Assembling the Cutting Tool	46
Installing the Cutting Tool	47
3. Configuring the Computer's Network Settings.....	49
Viewing the Network Settings	49
Operating the Machine with a Fixed IP Address	53
Operating the Computer and the Machine with Fixed IP Addresses.....	55
4. Software Setup.....	60
Step 1: Creating a Roland DG Connect Account	60
Step 2: Downloading and Installing Roland DG Connect Hub	61
Step 3: Signing in to Roland DG Connect Hub.....	62
Step 4: Registering the Machine to Roland DG Connect Hub	63
Step 5: Installing VersaWorks from Roland DG Connect Hub.....	64
Step 6: Configuring VersaWorks Settings.....	65

1. Assembly and Ink Filling

Checks before Operations

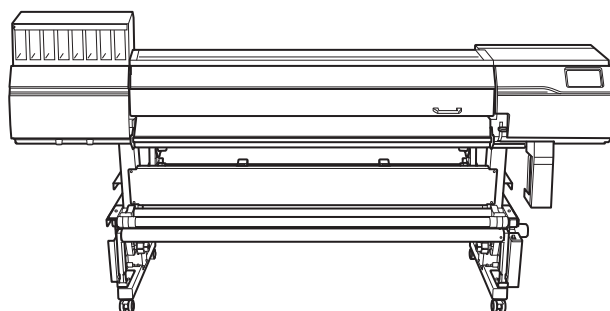
CAUTION

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

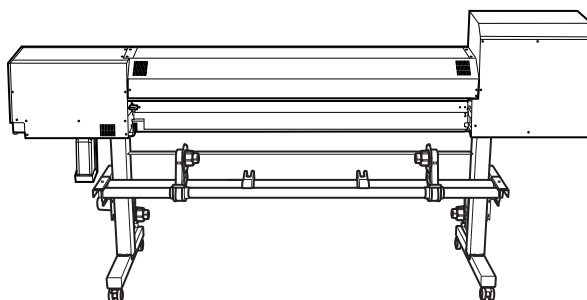
Tasks that require undue effort when performed by a small number of persons may result in physical injury. Also, if dropped, such items may cause injury.

Completed Drawing

Front



Rear



Necessary Tools (Included Items)

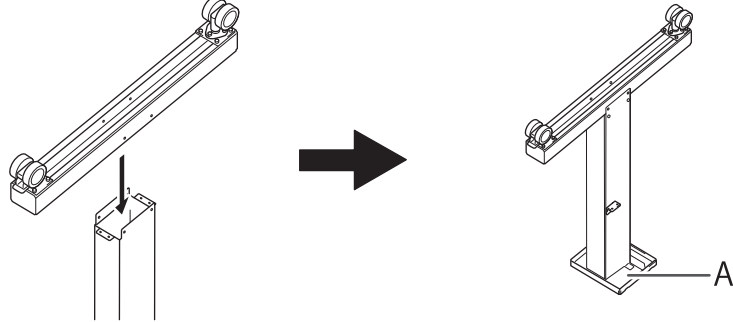
- Hexagonal wrench (1)
- Pipe (Use this when the hexagonal wrench is too short to easily tighten bolts) (1)

Step 1: Assembling the Stand

Procedure

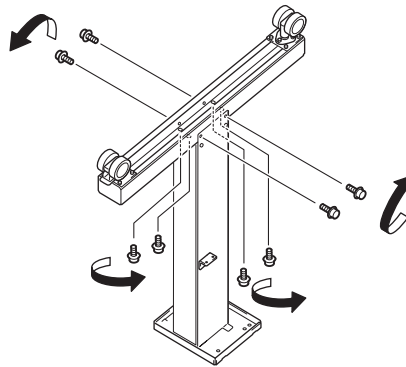
1. Place the caster on the stand leg.

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.

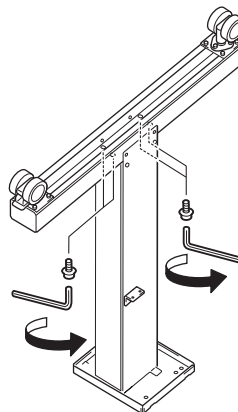


2. Use eight bolts to secure the caster.

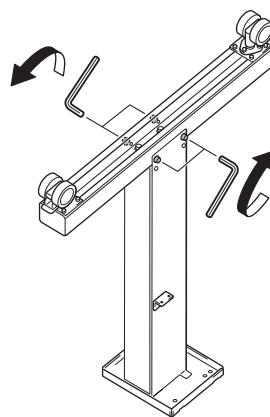
(1) Temporarily tighten the bolts in the four lower locations and then in the four locations on the sides.



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

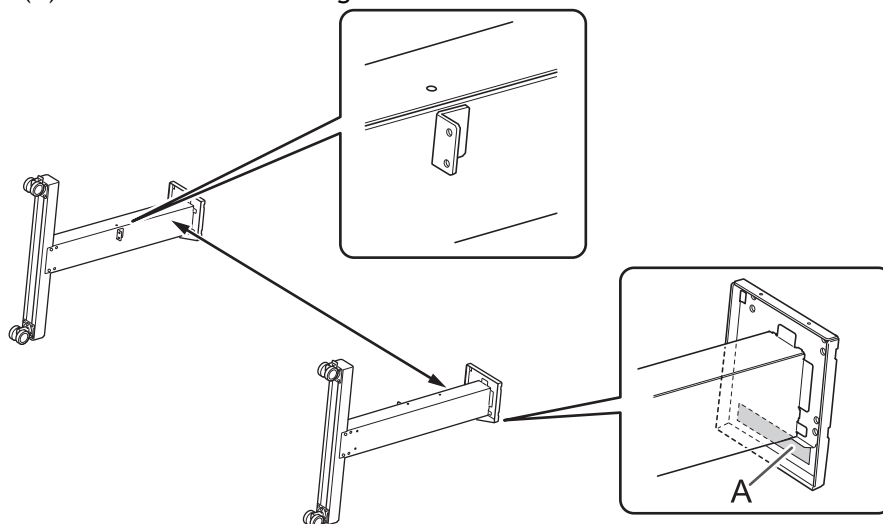


(3) Fully tighten the bolts in the four locations on the sides.



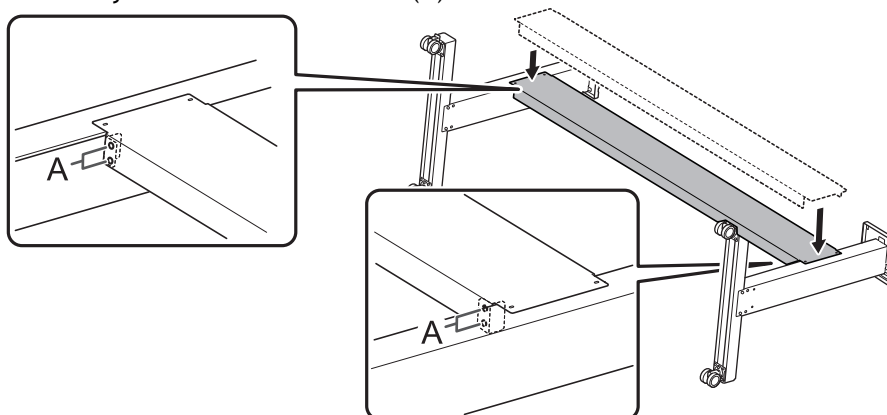
3. Assemble the opposing stand leg by following the same procedure from step 1 to step 2.
4. Position the left and right stand legs parallel to each other and separated by approximately 1,800 mm (70.87 in.) for the 64-inch model, approximately 1,550 mm (61.02 in.) for the 54-inch model, or approximately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

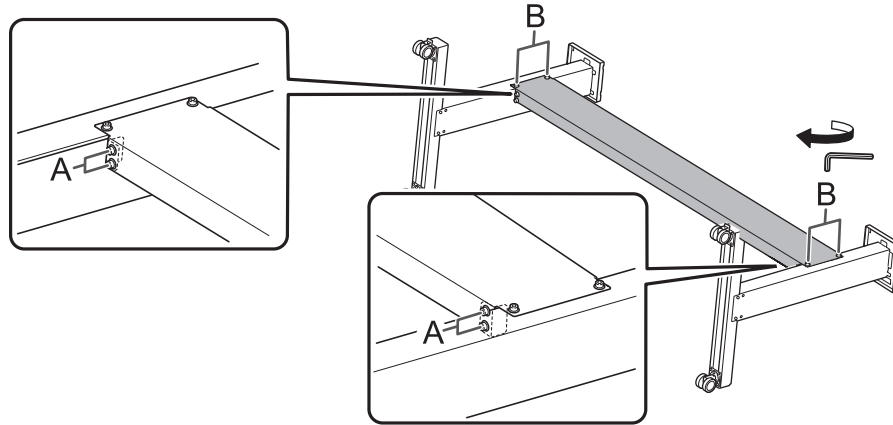
Position the stand stay with attachment holes (A) toward the casters.



6. Use eight bolts to secure the stand stay.

1. Assembly and Ink Filling

- (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

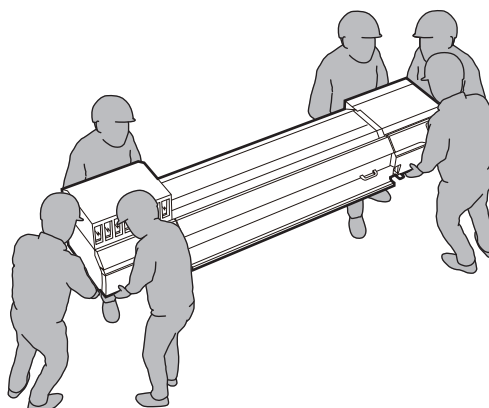
Procedure

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

⚠ CAUTION

Unpacking and installation must be carried out by 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.

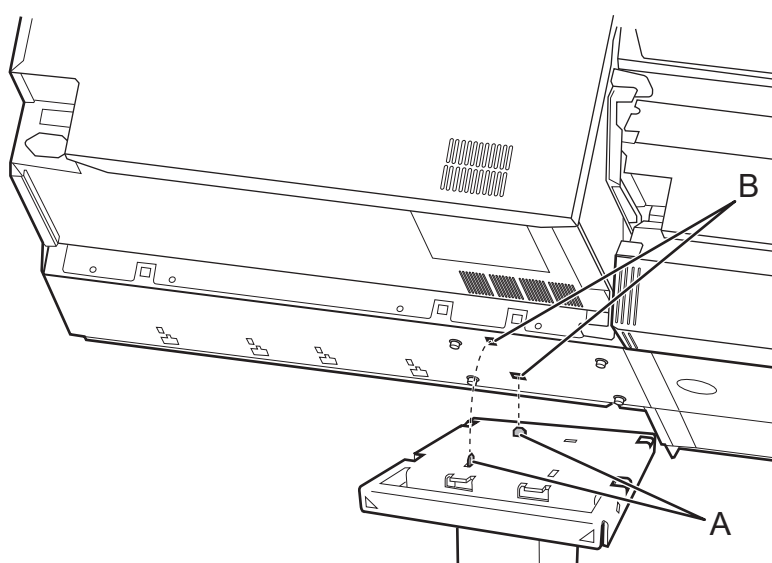
The stand must be moved by a worker other than those indicated in step 1.

3. Align the printer unit and the stand.

IMPORTANT

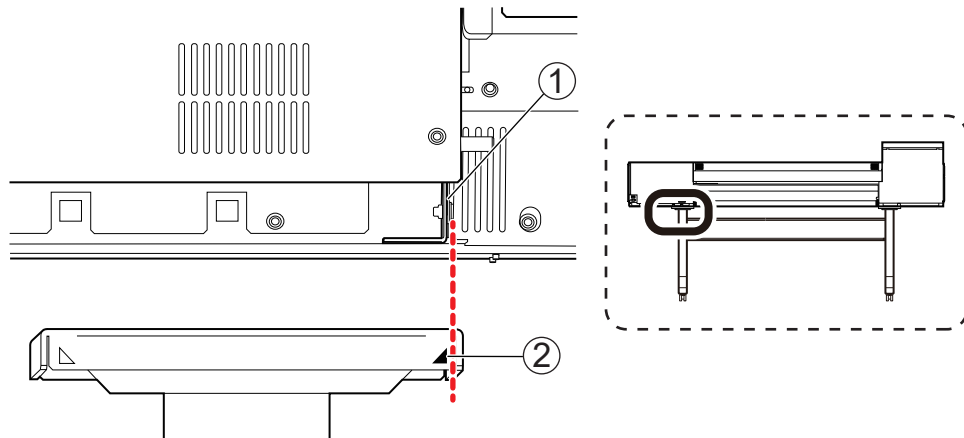
Aligning the printer to the front, back, left, and right according to the following procedure inserts the protrusions (A) on the tabletop plate of the stand into the slits (B) on the printer unit.

After aligning these items, place the printer unit on the stand.



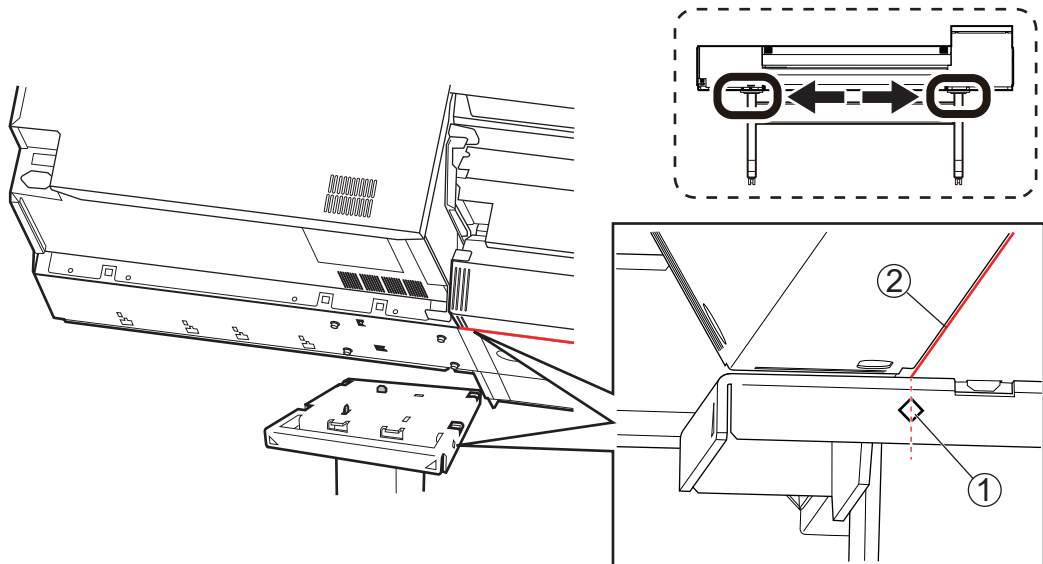
- (1) Align the left and right sides.

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.

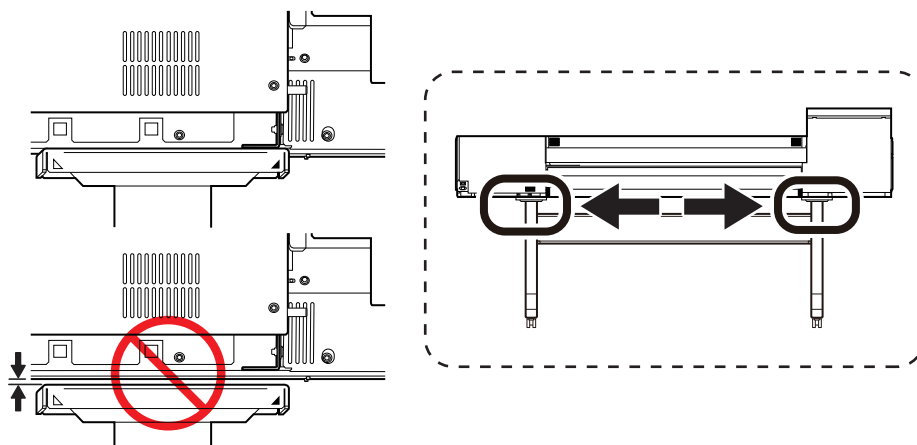
IMPORTANT

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.

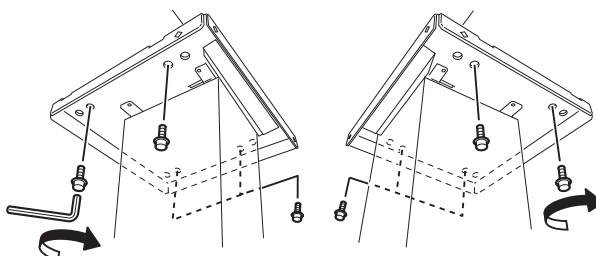
MEMO

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



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.



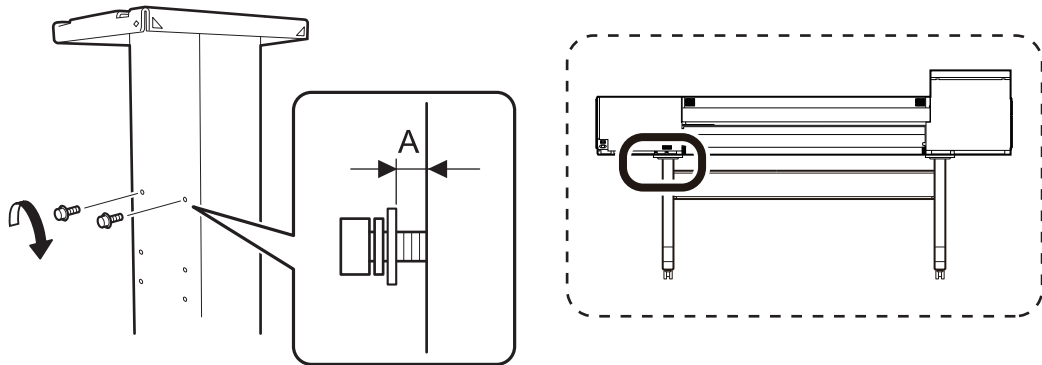
Step 3: Installing the Media Holders and Media Stays

1. Attach the arms.

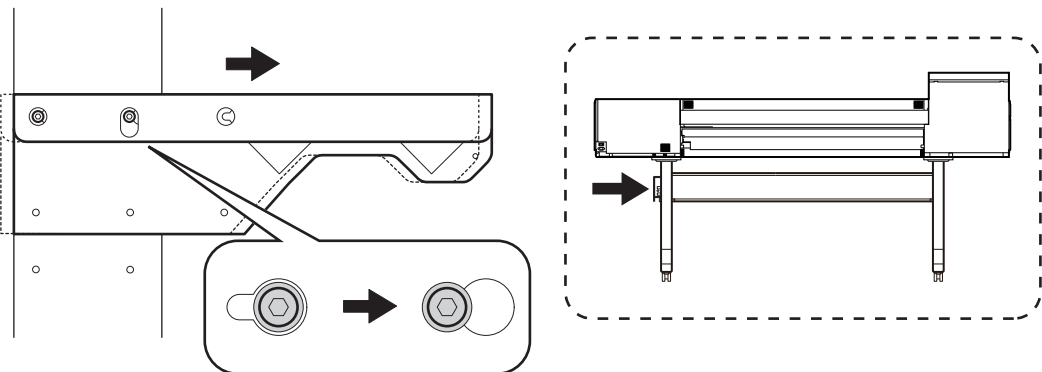
Procedure

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).

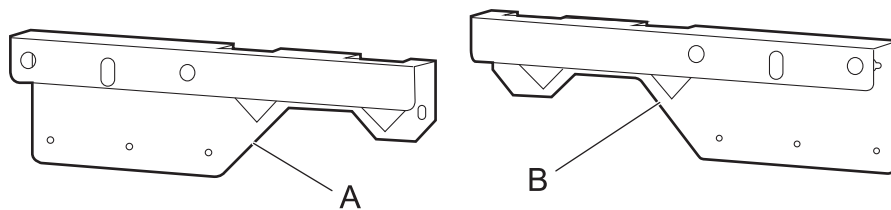


2. Attach the left arm to the temporarily tightened bolts, and then slide this arm to the right.



MEMO

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

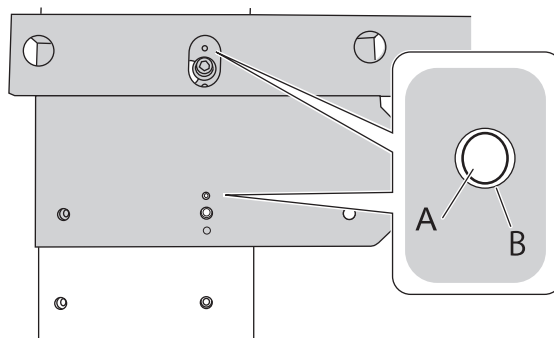


3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

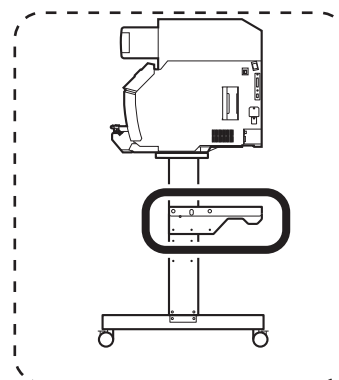
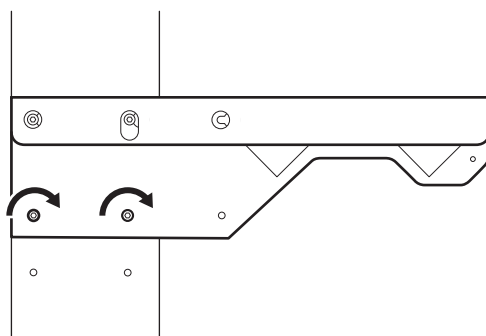
IMPORTANT

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

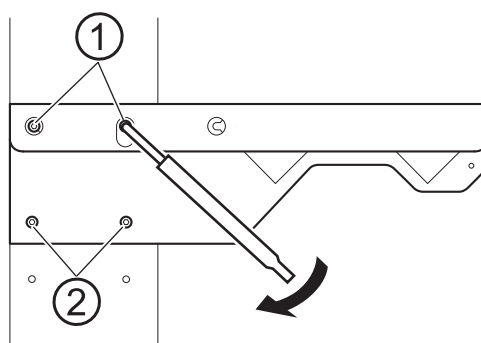
4. Make sure the protrusions on the stand leg (A) are in the center of the holes on the arm (B). Move the arm to the left and right until these protrusions are centered.



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.

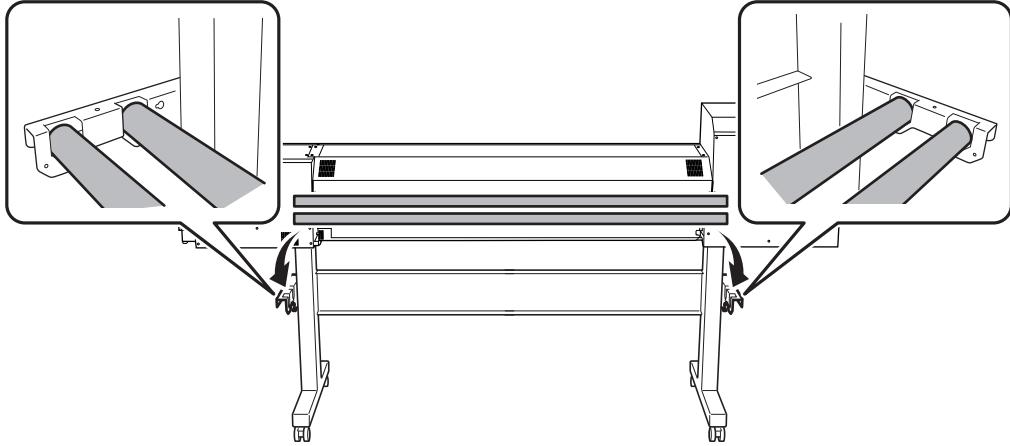


7. In the same manner, attach the right arm to the right side as seen from the rear of the printer.

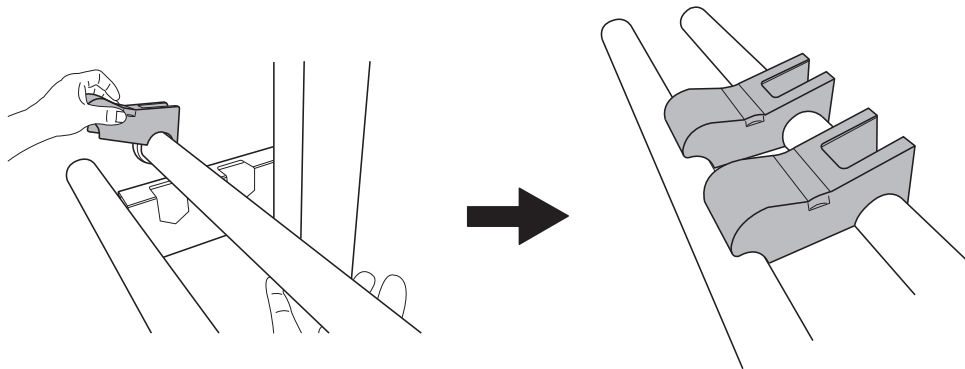
2. Attach the media holders.

Procedure

1. Place the two shafts on the arms.

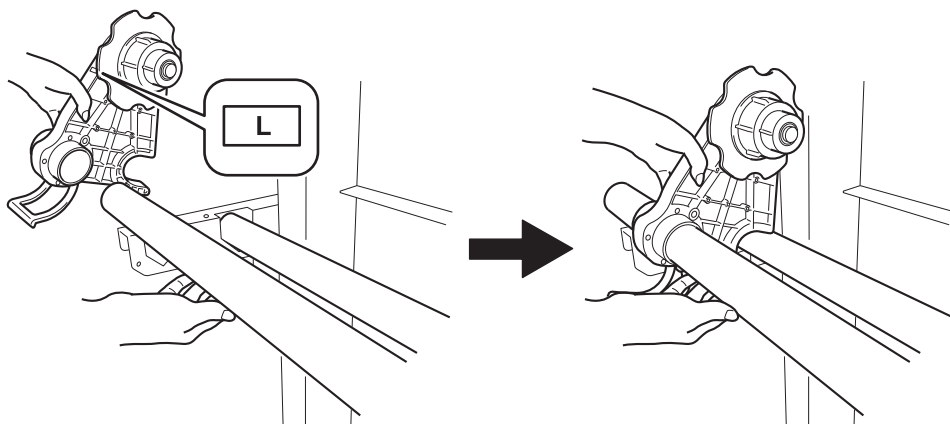


2. Pass the rear shaft through the two media stays.



3. Attach the left media holder.

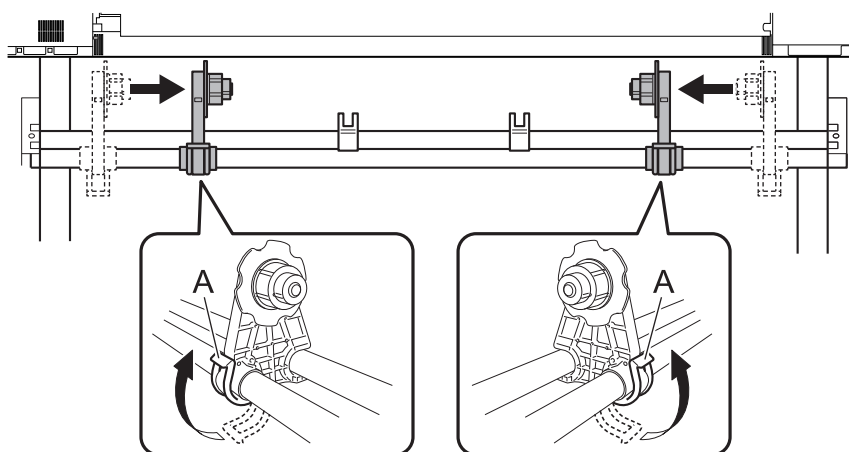
- (1) Pass the front shaft through the left media holder.
- (2) Catch the left media holder on the rear shaft.



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

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

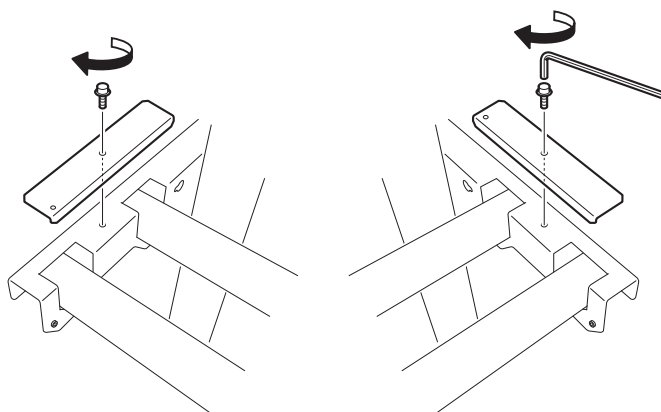
Position the media holders approximately 100 mm (3.94 in.) from the edges.



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

IMPORTANT

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



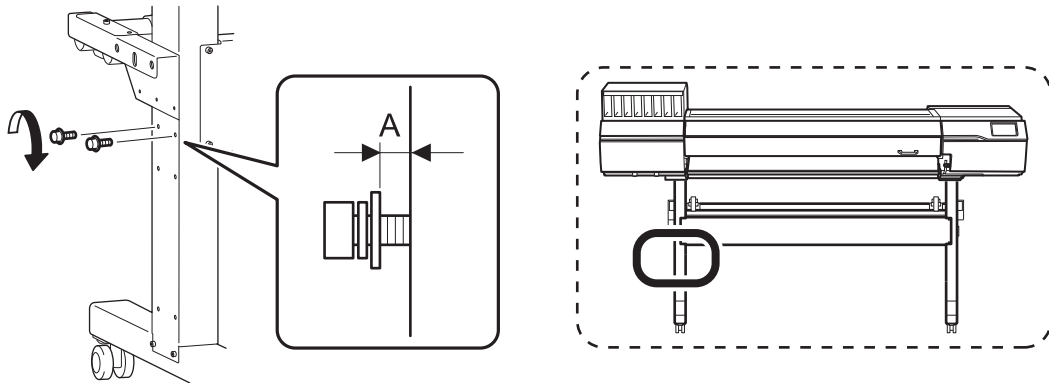
Step 4: Assembling the Media Take-up Unit

1. Attach the arms.

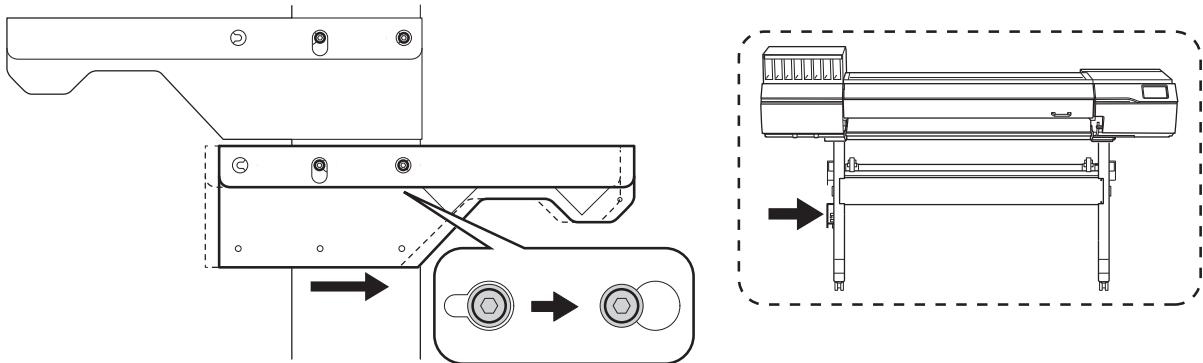
Procedure

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).

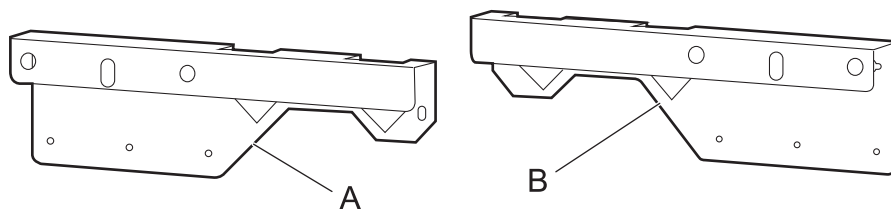


2. Attach the left arm to the temporarily tightened bolts, and then slide this arm to the right.



MEMO

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

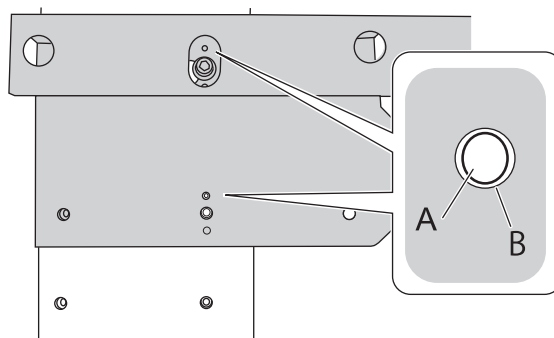


3. By hand, tighten the temporarily tightened bolts until there is no gap between the left arm and the stand.

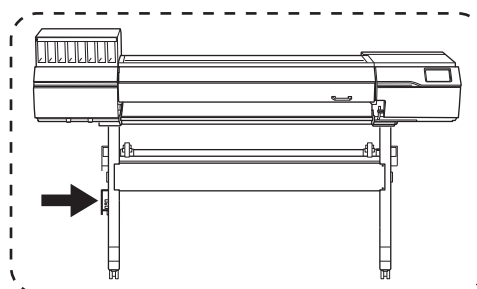
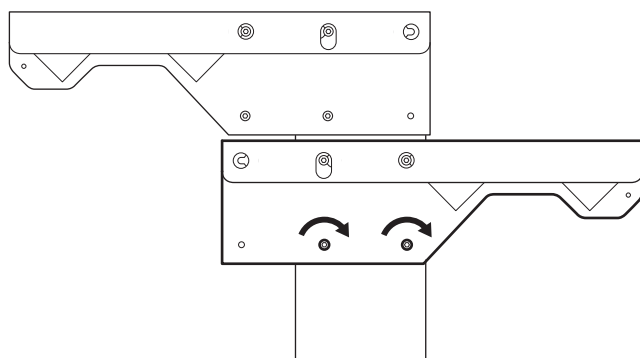
IMPORTANT

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

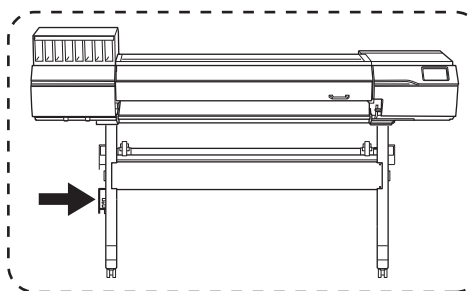
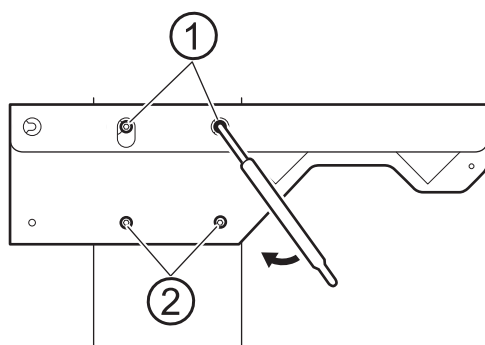
4. Make sure the protrusions on the stand leg (A) are in the center of the holes on the arm (B). Move the arm to the left and right until these protrusions are centered.



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.

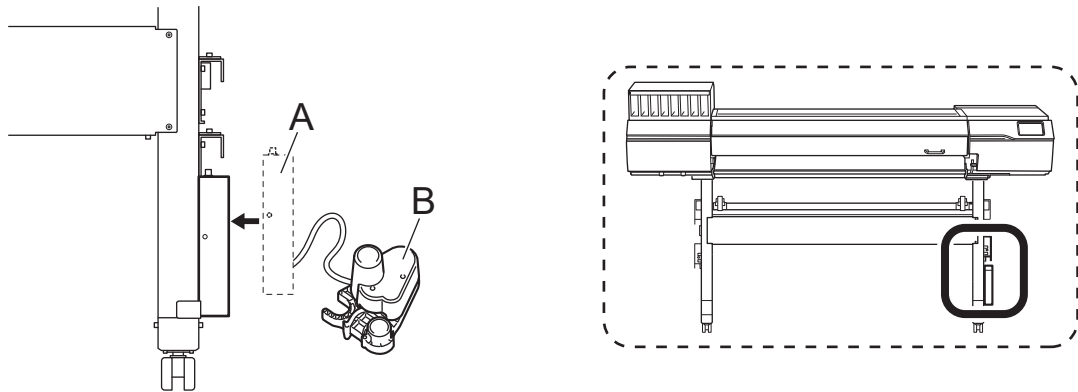
Procedure

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

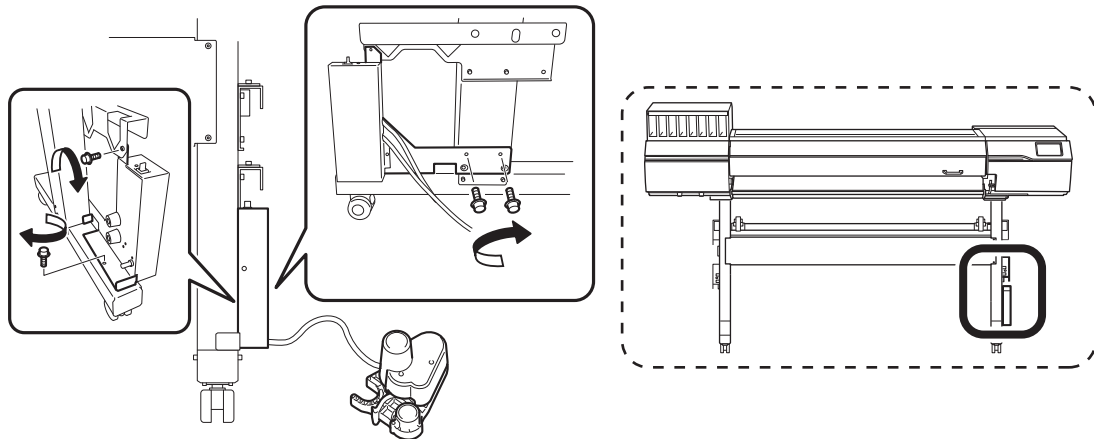
The control box (A) and the motorized media holder (B) are connected with a wire. Do not subject this wire to excessive force.



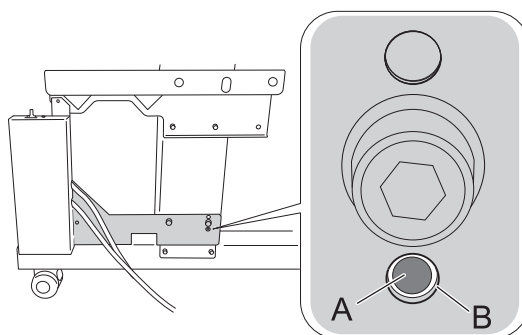
2. Temporarily tighten the four bolts shown in the figure.

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

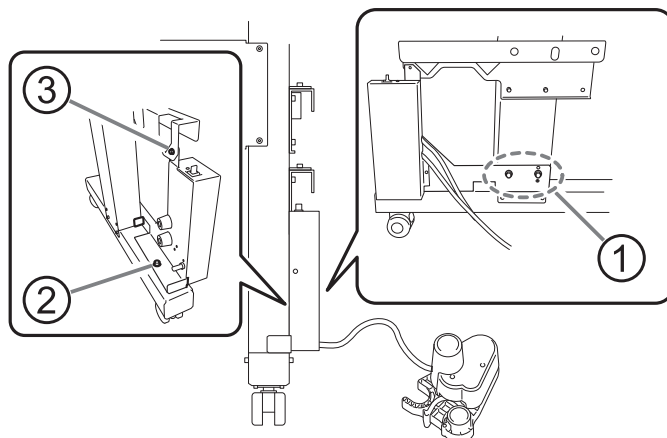
Hold the pieces together so there is no gap between the outside surface of the stand leg and the control box stay when tightening the bolts.



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.



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

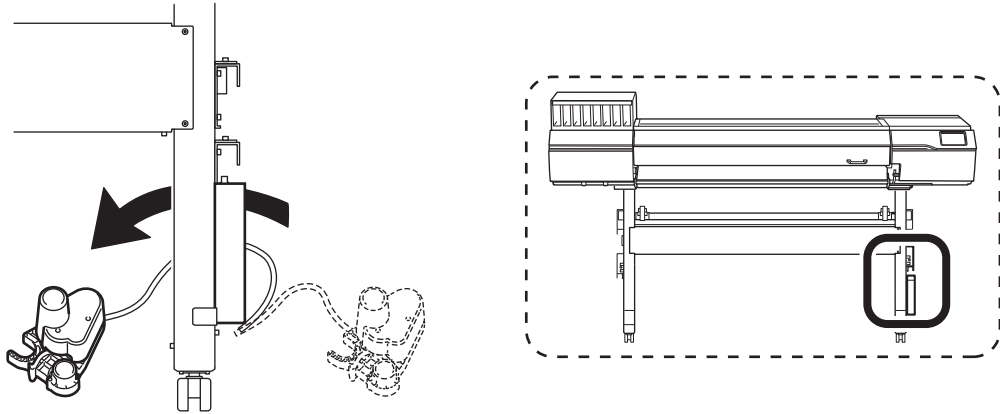
After temporarily tightening the bolts, position the stay in the same manner as the control box.

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

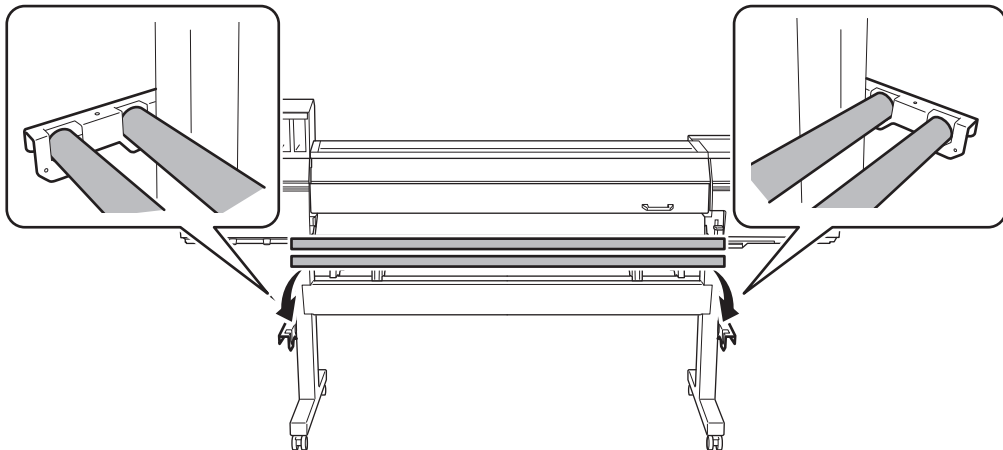
3. Attach the media holders.

Procedure

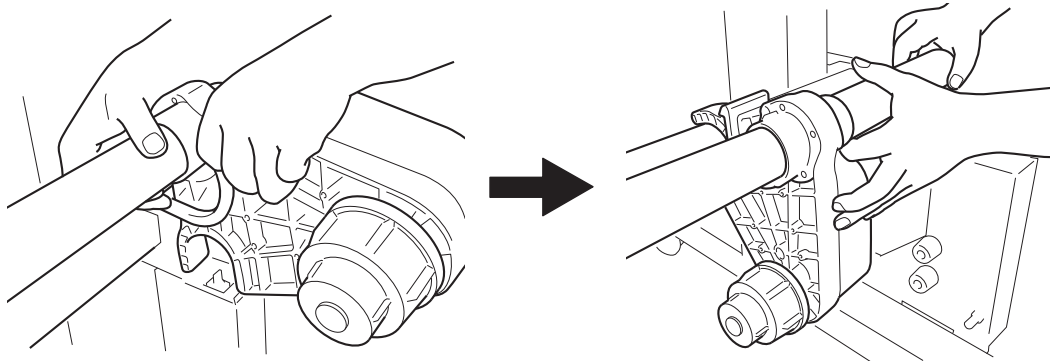
1. Position the motorized media holder as shown in the figure.
Be sure to pass this holder behind the stand.



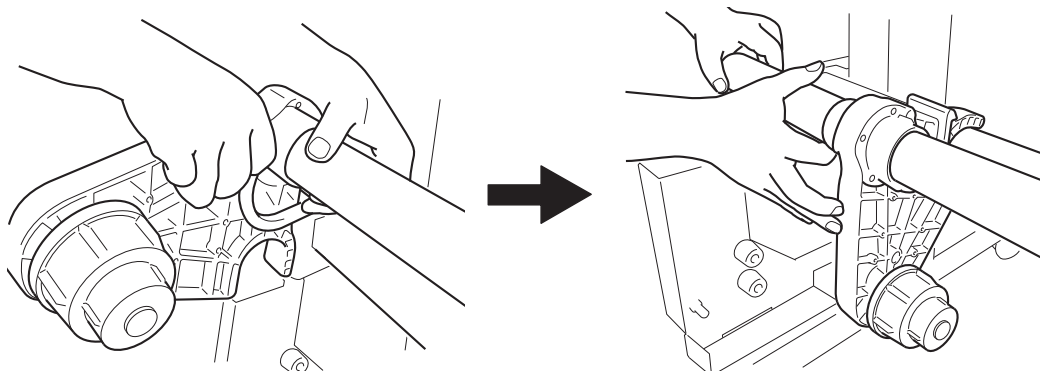
2. Place the two shafts on the arms.



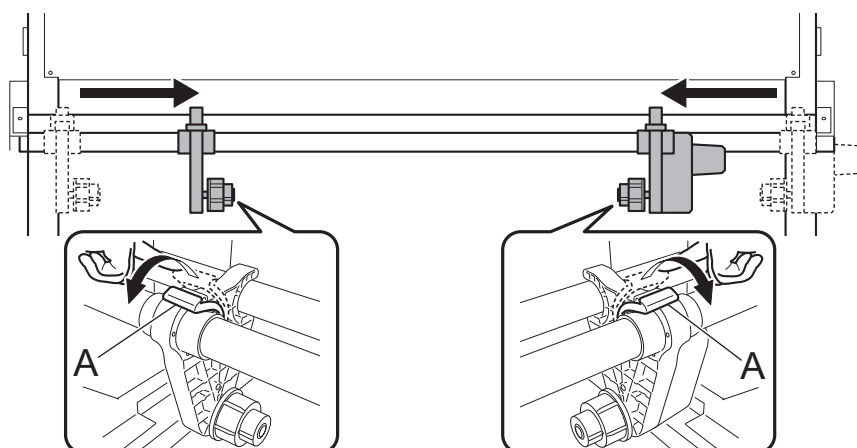
3. Pass the shaft through the motorized media holder.
 - (1) Pass the front shaft through the motorized media holder.
 - (2) Catch the motorized media holder on the rear shaft.



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.



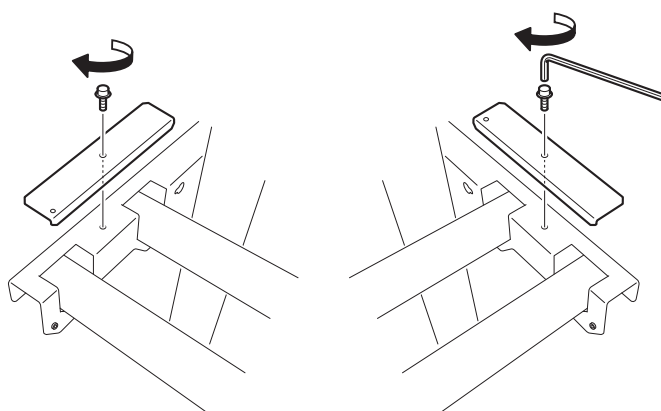
5. Lower the levers (A) to secure the left and right media holders.
Leave approximately 100 mm (3.94 in.) of space from the edges.



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

IMPORTANT

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

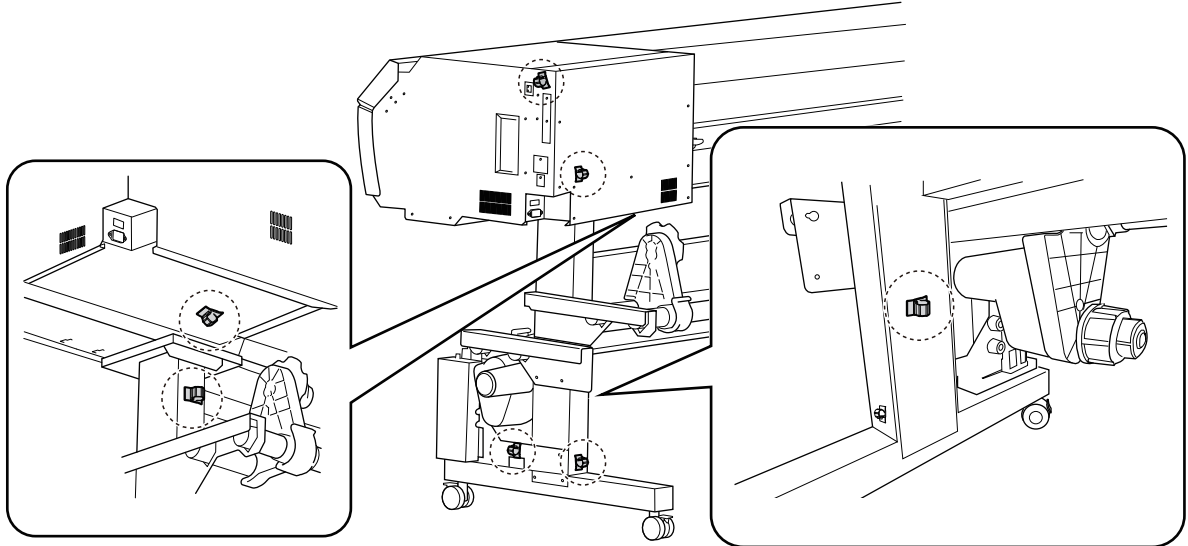


4. Attach the cable clamps and the cable.

Procedure

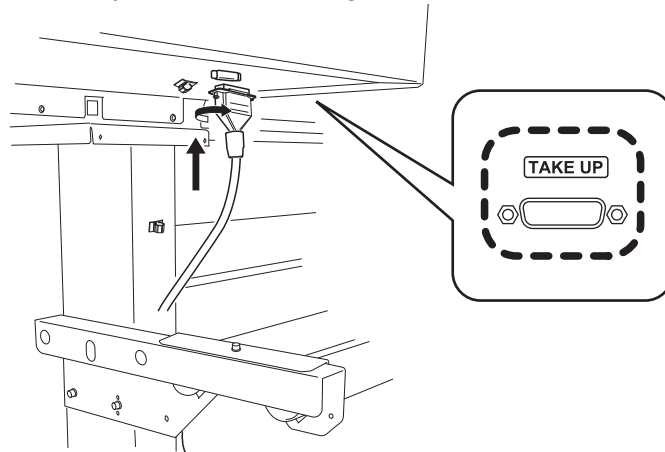
1. Attach seven cable clamps to the positions shown in the figure.

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.

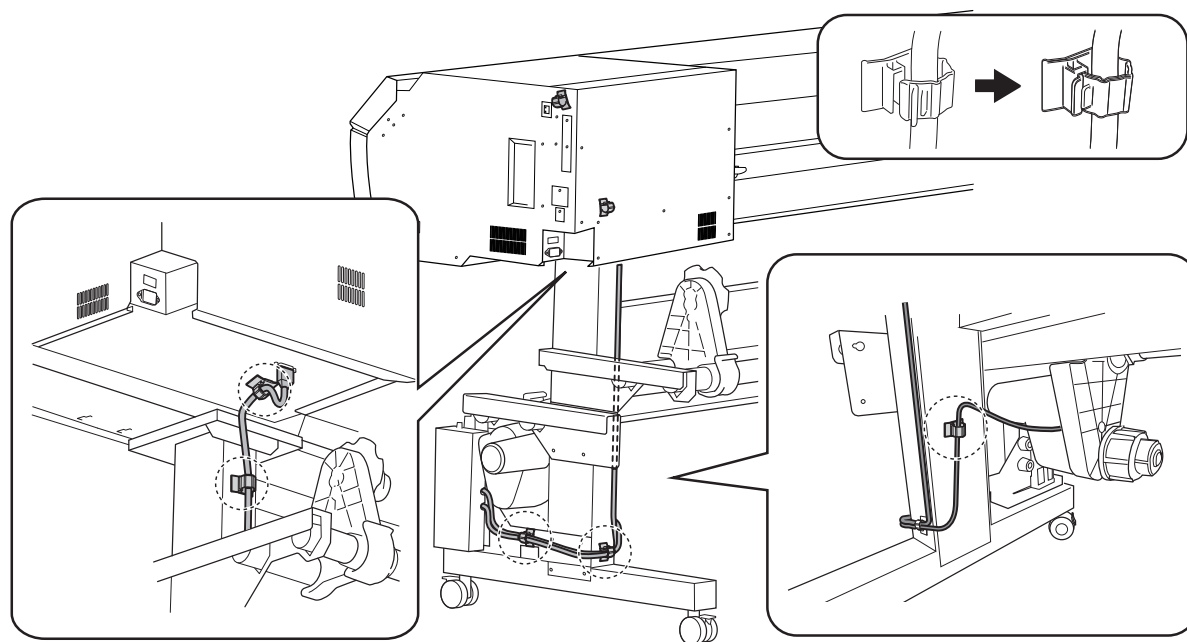


2. Connect the control box cable to the [TAKE UP] connector on the unit.

- 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.



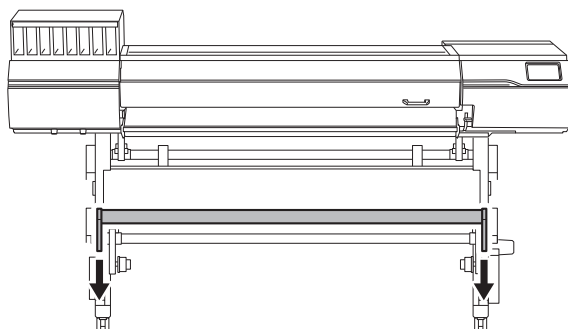
5. Install the dancer roller.

Procedure

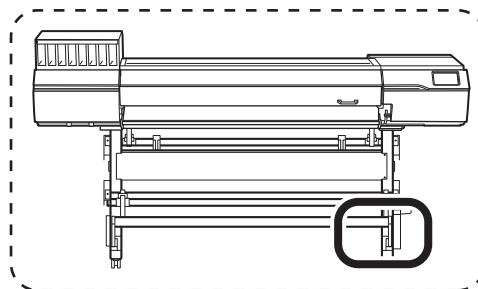
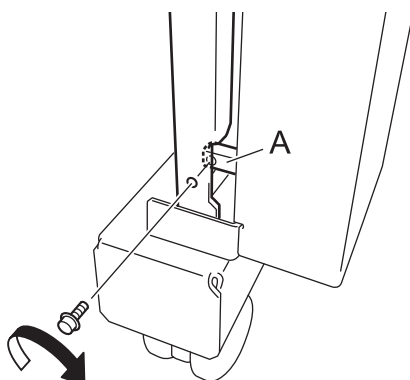
1. Raise the dancer roller and place it on the stand legs.

MEMO

The dancer roller has no particular front and rear orientation.



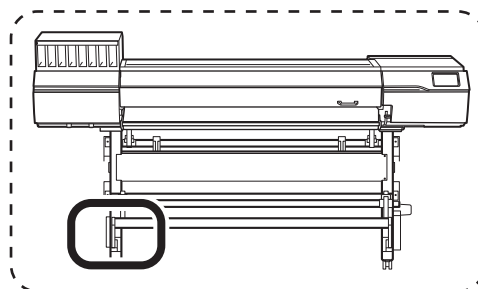
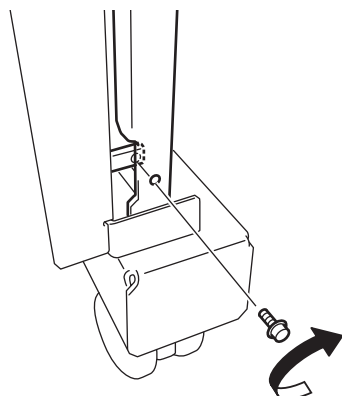
2. On the right side of the dancer roller, bring the flat surface of the shaft (A) toward you, and then temporarily tighten the bolt.



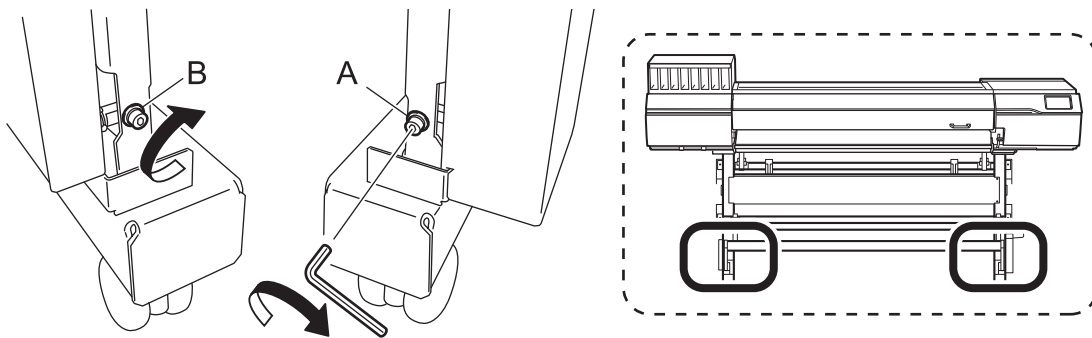
3. On the left side of the dancer roller, temporarily tighten the bolt.

MEMO

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



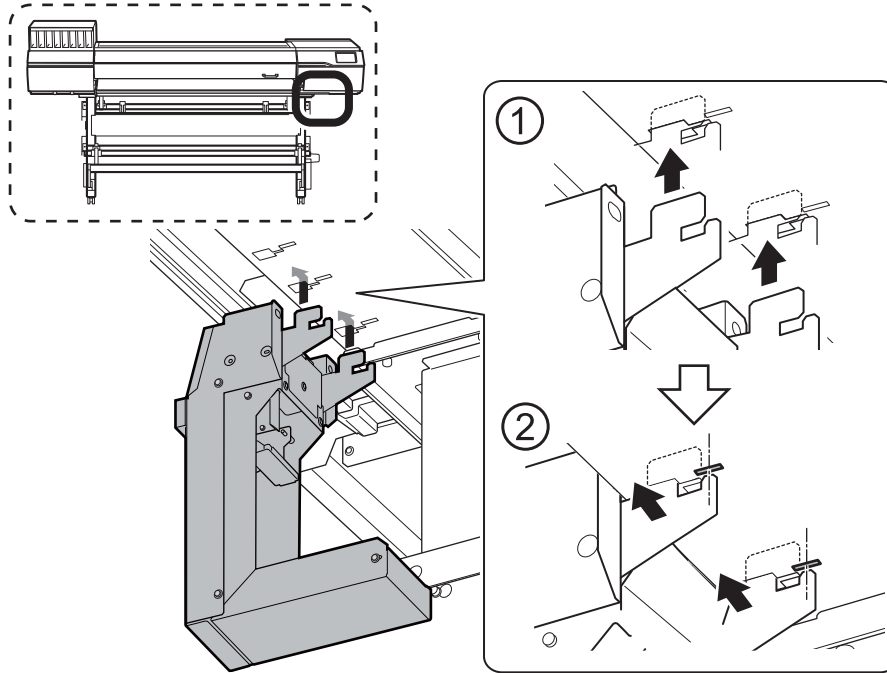
4. Fully tighten the bolt on the right side (A), followed by the left side (B) of the dancer roller.



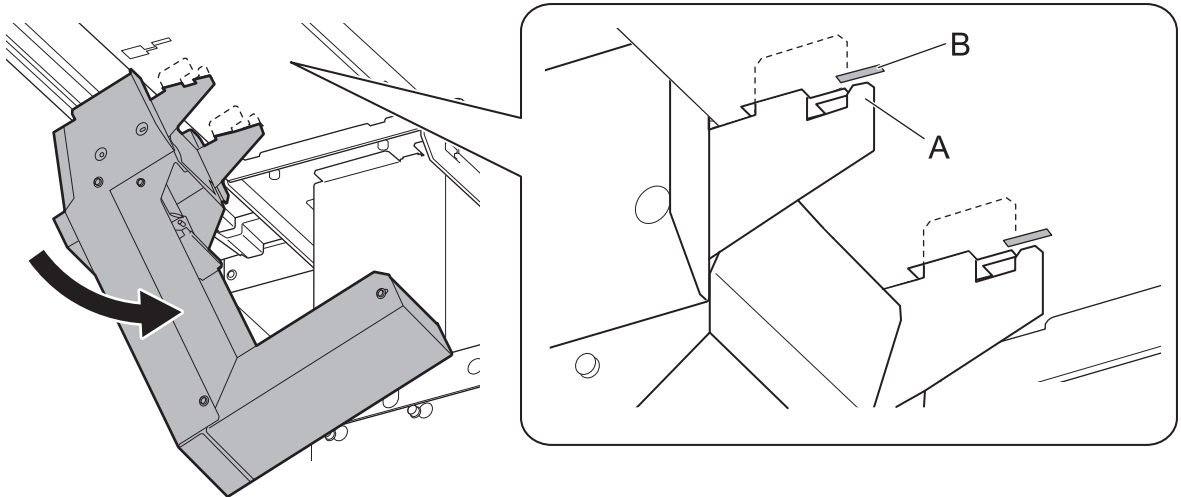
Step 5: Installing the Drain Bottle

Procedure

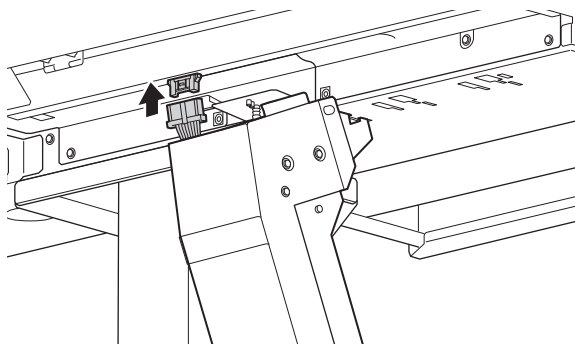
1. Insert the drain bottle stand into the grooves ①, and then slide it in the direction indicated in the figure ②.



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

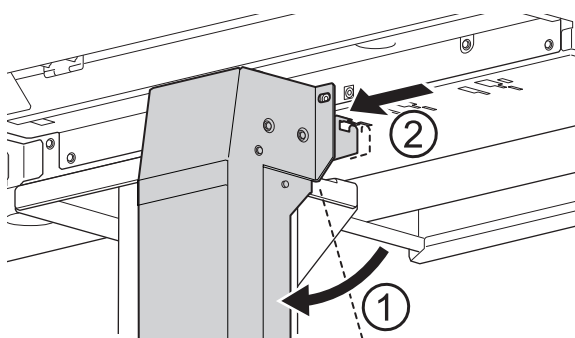


2. Connect the drain bottle stand connector to the unit.

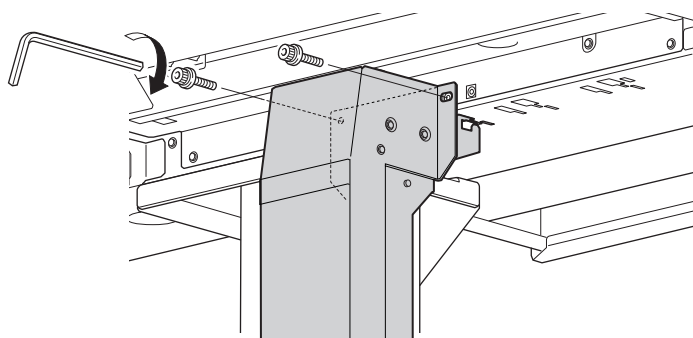


3. Stand up the drain bottle stand so it is vertical ①, and then slide it in the direction indicated in the figure ②.

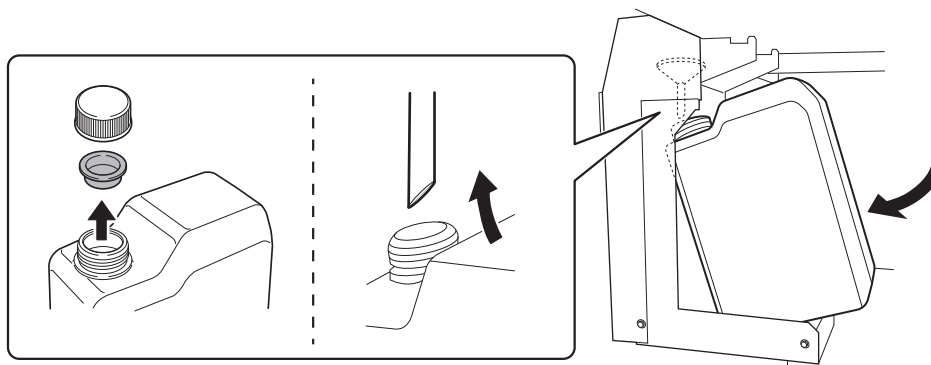
Stand up the drain bottle stand until the hooks come completely free from the grooves.



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

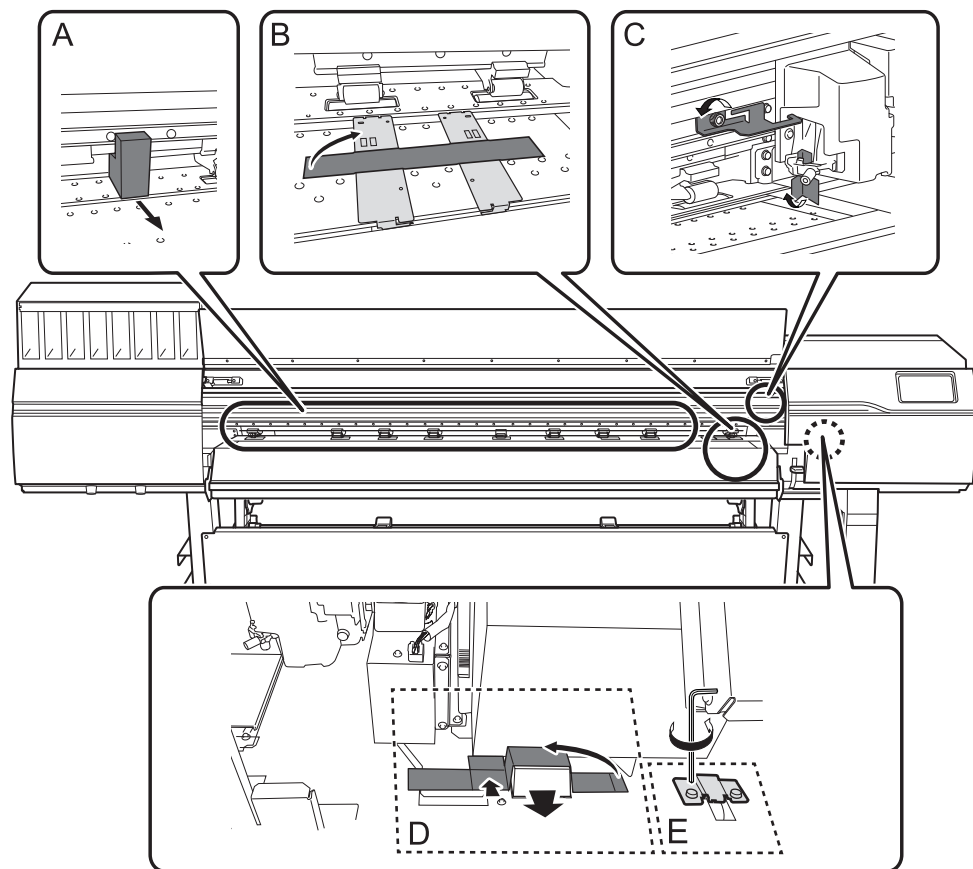
- Make sure to remove all the retainers. Any that remain may cause faulty operation or breakdown when the power is switched on.
- Store the retainers because they are needed again when transporting the machine.

Procedure

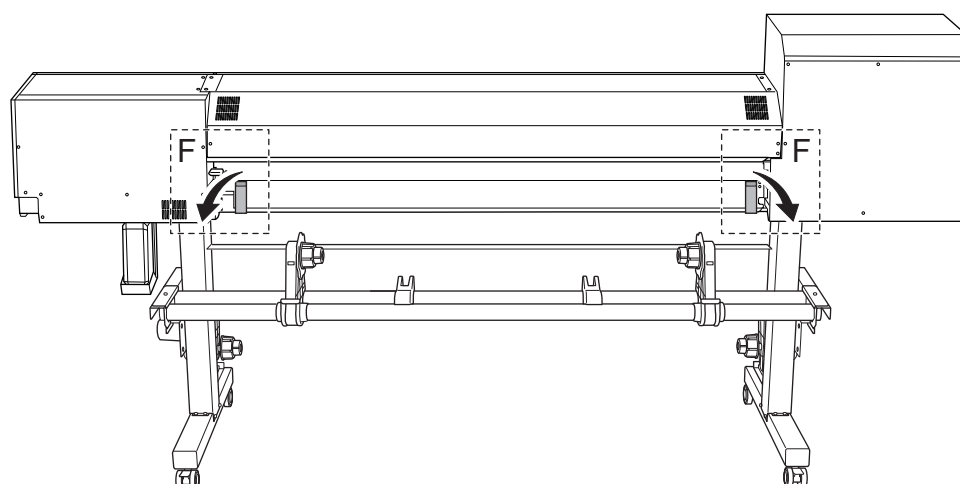
1. Open the front, left, and right covers.

2. Remove all the retainers.

Front

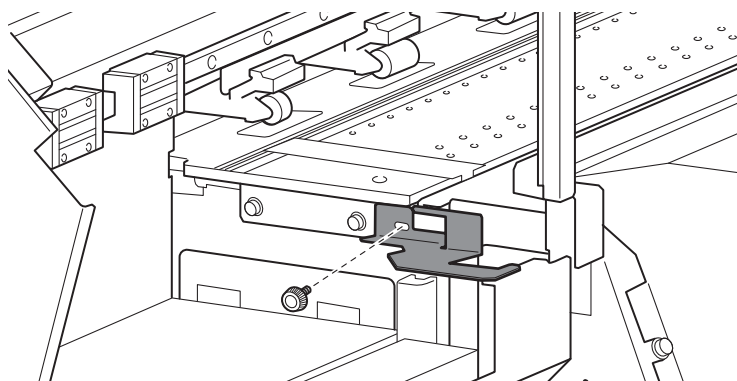


Rear



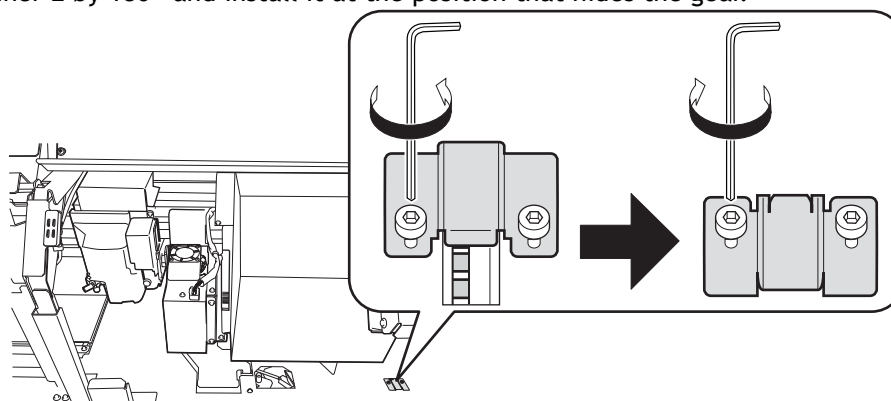
3. Install retainers C and E, which you have removed, at the positions indicated in the figure for storage. Use the bolt removed in step 2.

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
---	---	---	---	---	---	---	---



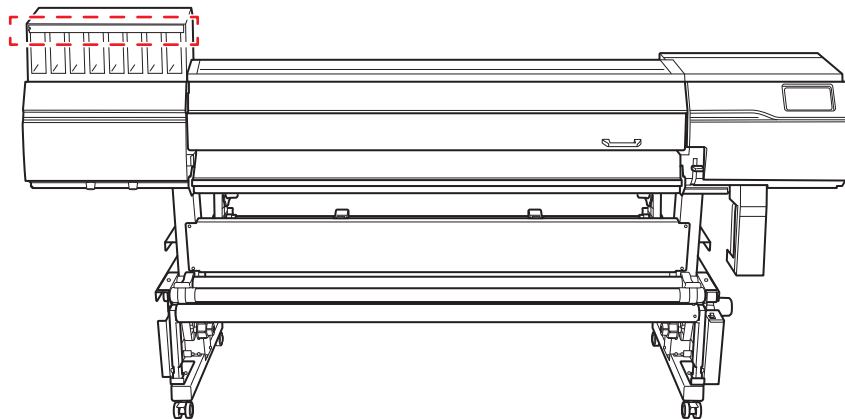
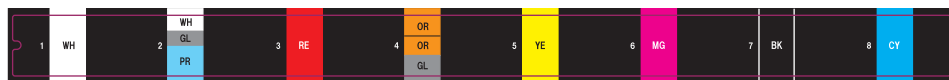
- CMYKWhWhGlPr and CMYKWhWhGlGl

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.

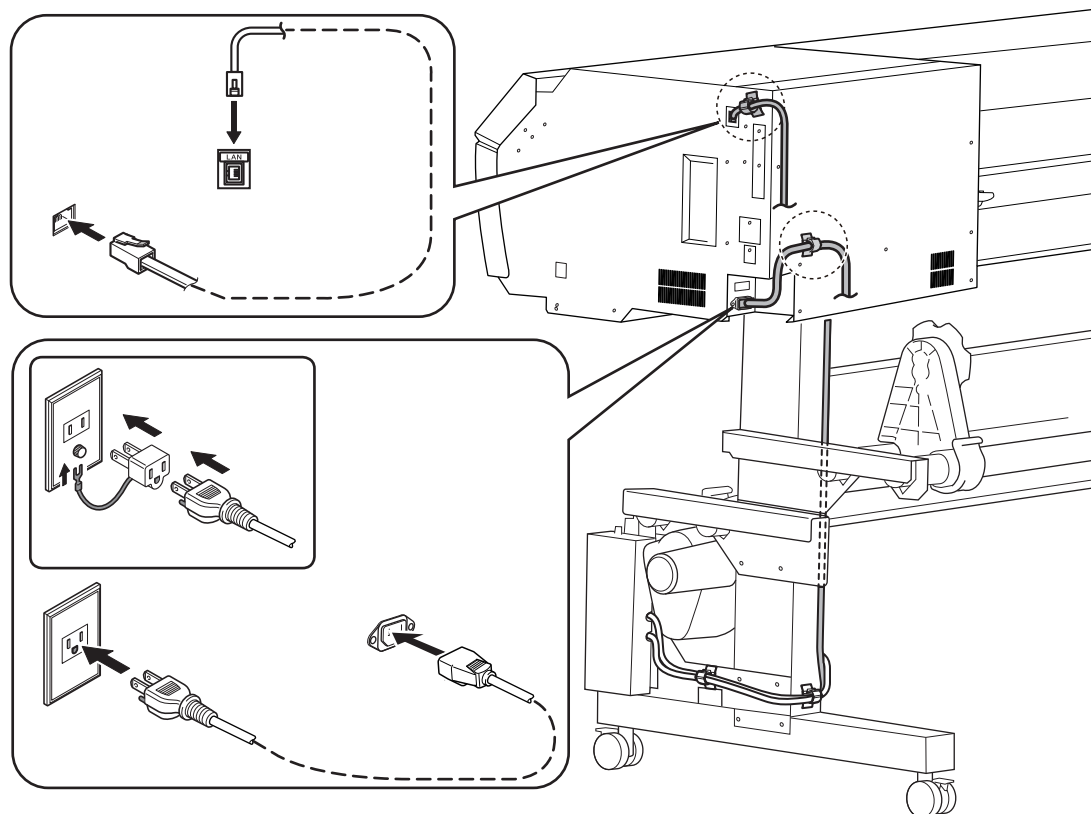
WARNING

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.

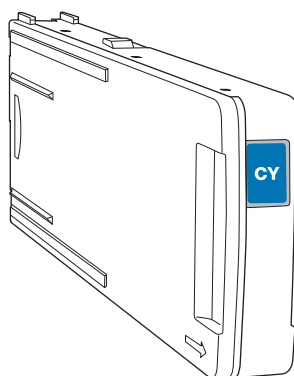
IMPORTANT

- 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.

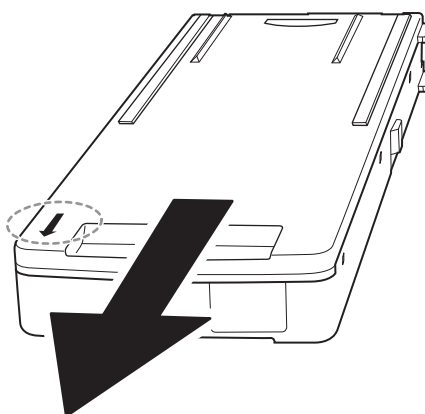


MEMO

Affix the [CL] label to the cleaning cartridge.

2. Remove the ink/cleaning cartridge cover.

- Keep the side with the arrow face up.
- 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.

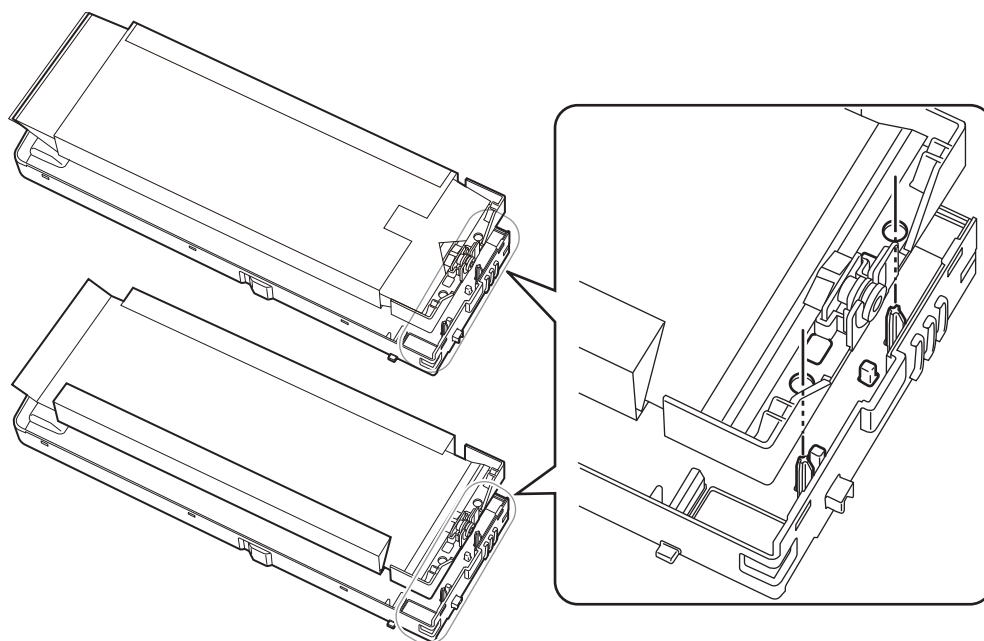
Check the ink pouch labels and insert them in the cases with the labels for the same colors, which were affixed to the cases in step 1.

IMPORTANT

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

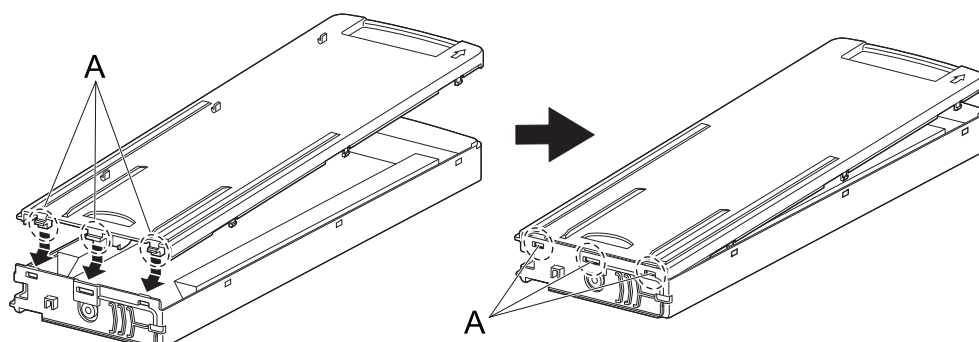
MEMO

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



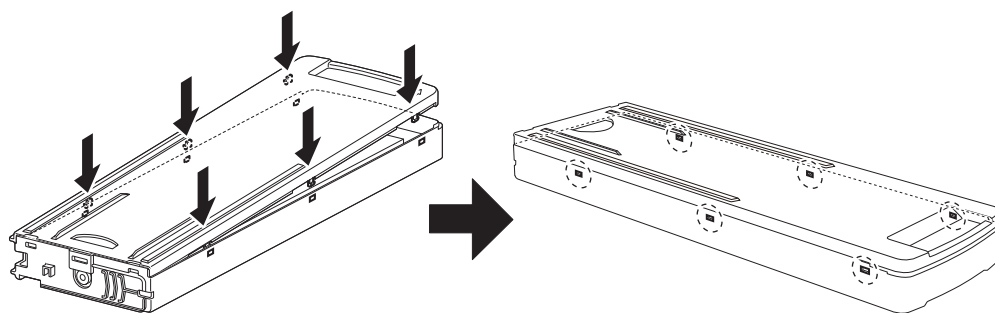
4. Attach the cover to the cartridge case.

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



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

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

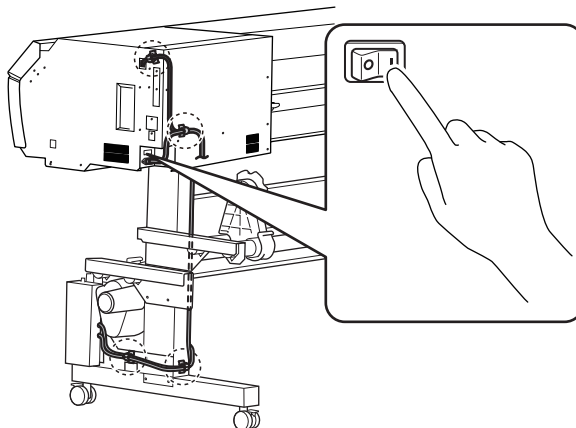


Step 10: Initial Settings and Ink Filling

1. Make the initial settings.

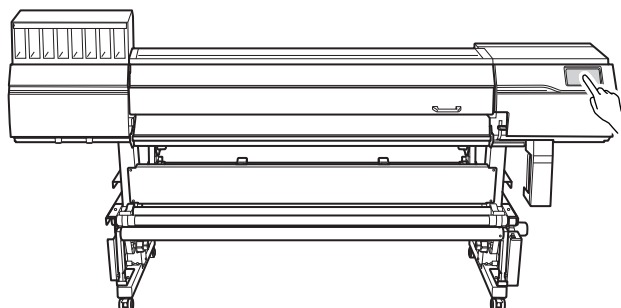
Procedure

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].

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.

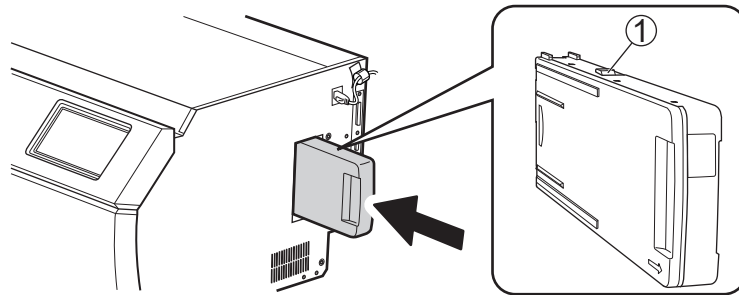
IMPORTANT

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. Filling the Machine with Ink

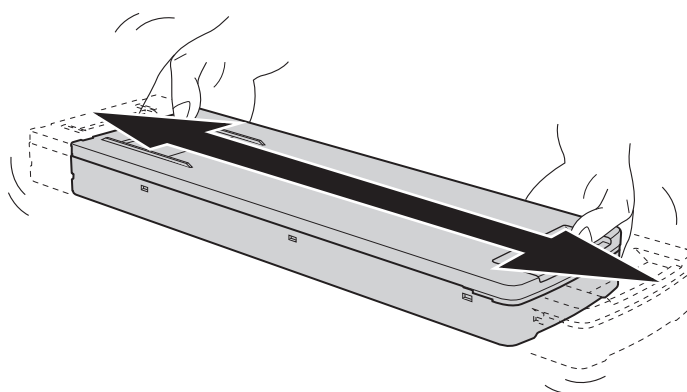
Procedure

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 or ink pouch coming loose and falling may cause damage or printer malfunctions.

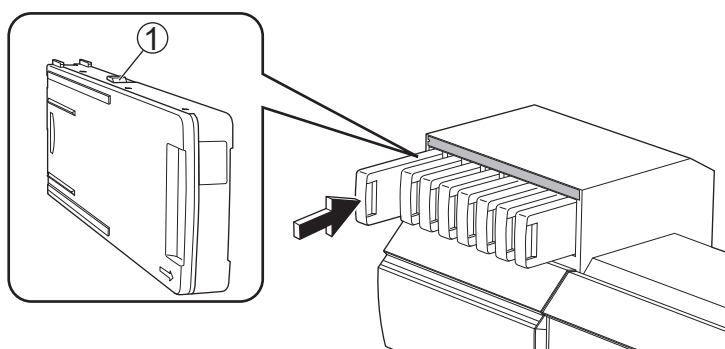


2. Set the ink cartridge in the ink slot.

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 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.

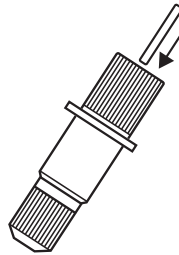
Doing so may result in injury. The cutting performance of the blade will also be impaired.

Assembling the Cutting Tool

Procedure

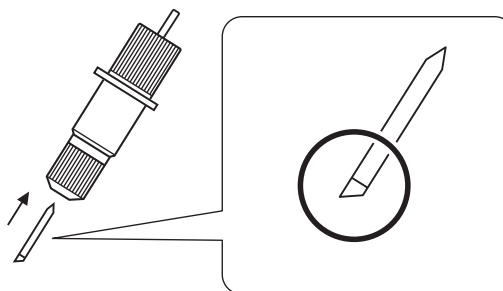
1. Insert the pin.

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



2. Insert the blade.

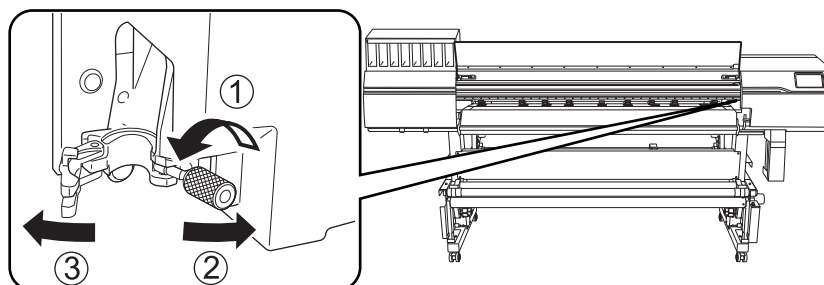
Insert the blade into the hole so the blade tip is on the outside.



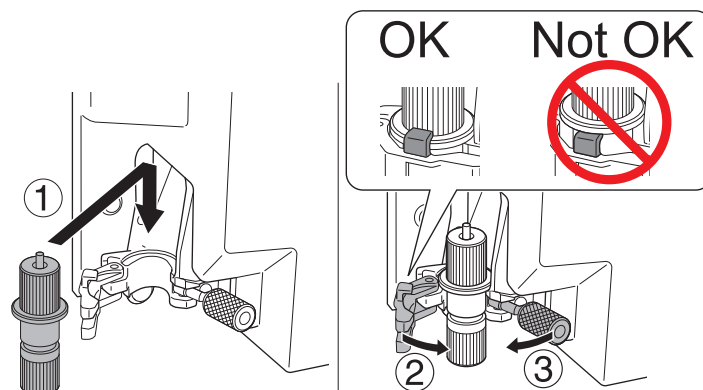
Installing the Cutting Tool

Procedure

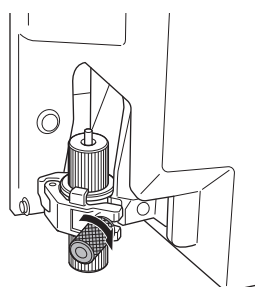
1. Tap .
2. Tap [Maintenance]>[Blade Replacement].
3. Tap [Execute].
The cutting carriage moves to a position where the blade can be installed.
4. When the message [Open the front cover.] appears on the screen, open the front cover.
5. Loosen the cutting carriage screw in the order shown in the figure.



6. Install the cutting tool in the cutting carriage.



7. Tighten the screw.



8. Close the front cover.

2. Installing the Cutting Tool

9. Tap [Finish All].

This completes the installation of the cutting tool.

3. Configuring the Computer's 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.

[Operating the Machine with a Fixed IP Address\(P. 53\)](#)

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

[Operating the Computer and the Machine with Fixed IP Addresses\(P. 55\)](#)

Viewing the Network Settings

Windows

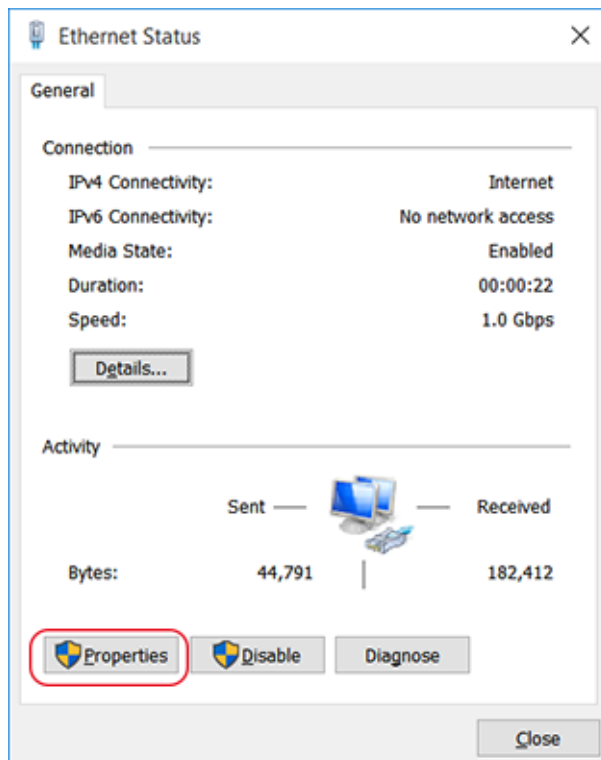
The procedure introduced here applies to the following Windows version. Even with the same version, the operation steps, button names, and window titles may differ depending on the OS build.

- Windows 11: Version 24H2

Procedure

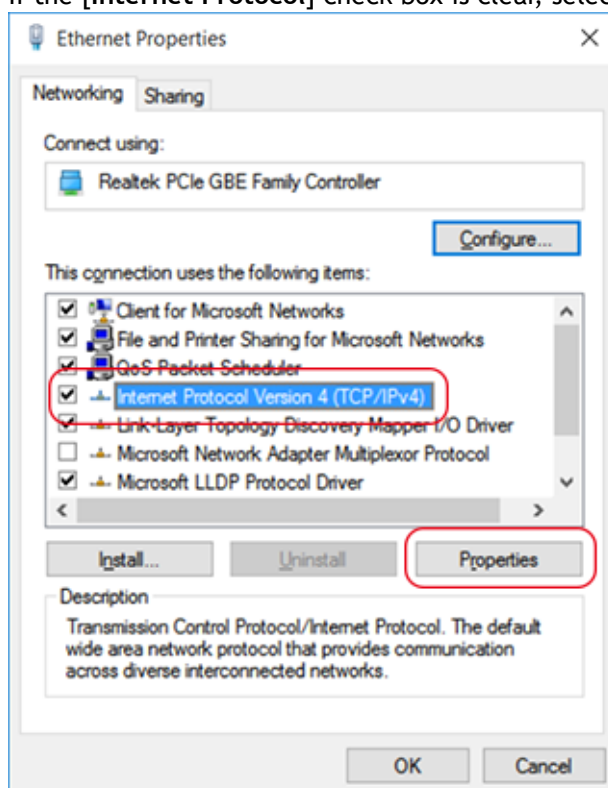
1. Log on to Windows as the **[Administrator]** or a member of the **[Administrators]** group.
2. Open Control Panel.
Search for "Control Panel" from the taskbar.
3. Click **[Network and Sharing Center]**.
4. Click **[Ethernet]** or **[Wi-Fi]**.
5. Click **[Properties]**.
If a **[User Account Control]**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

3. Configuring the Computer's Network Settings



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\(P. 60\)](#).

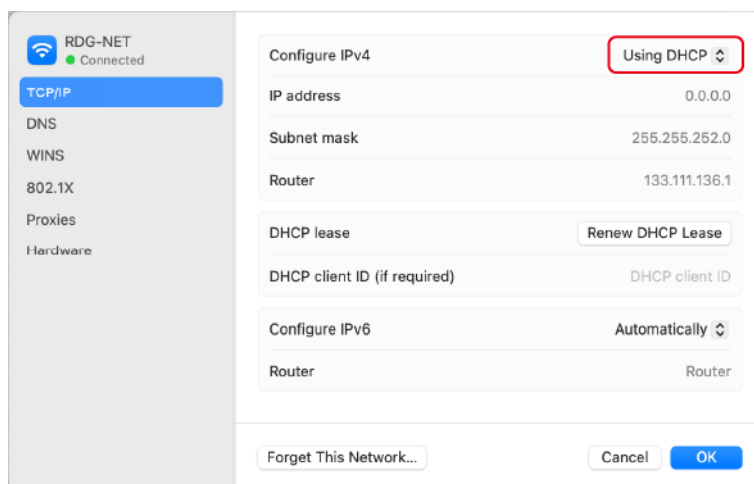
Mac

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\(P. 60\)](#).

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.

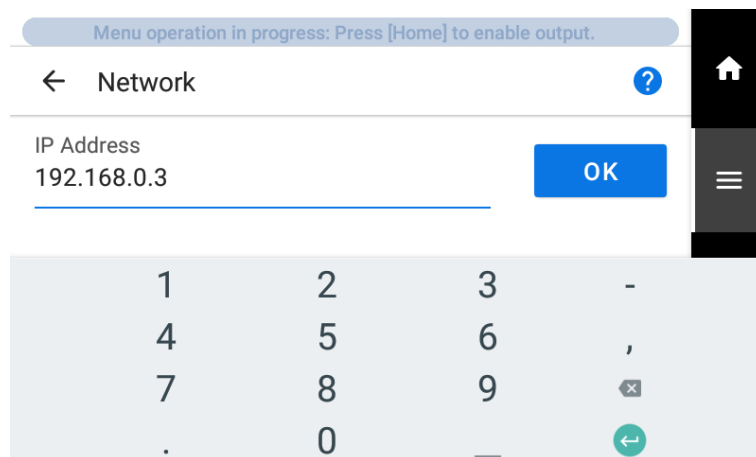
IMPORTANT

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.



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

← Network ?

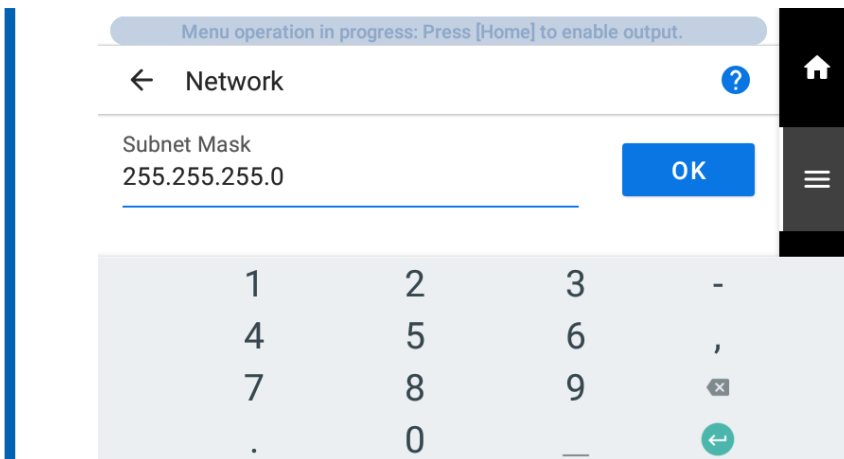
IP Address
192.168.0.3 OK

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.

3. Configuring the Computer's Network Settings

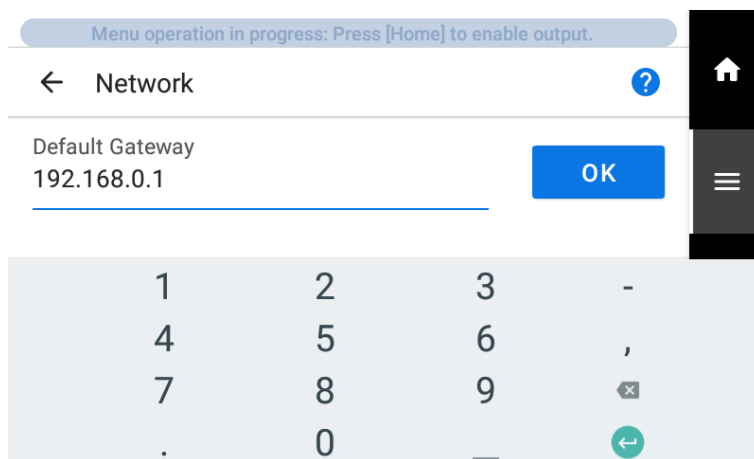


8. Enter the subnet mask.

9. Tap [OK].

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

The numeric value input screen appears.



11. Enter the default gateway.

12. Tap [OK].

13. Tap [Save].

14. Tap .

The home screen appears.

This completes the setting of a fixed IP address. Go back to the home screen. Then, proceed to [4. Software Setup\(P. 60\)](#).

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.

Configuring the Network Settings on the Machine

IMPORTANT

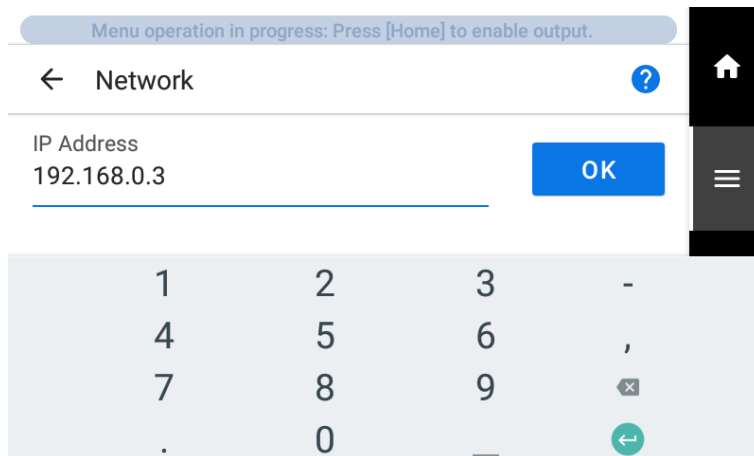
In an environment where the printer is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

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.



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.

3. Configuring the Computer's Network Settings

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 .

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
[Setting the Computer's Network \(Windows\)\(P. 57\)](#)
- For Mac
[Setting the Computer's Network \(Mac\)\(P. 59\)](#)

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

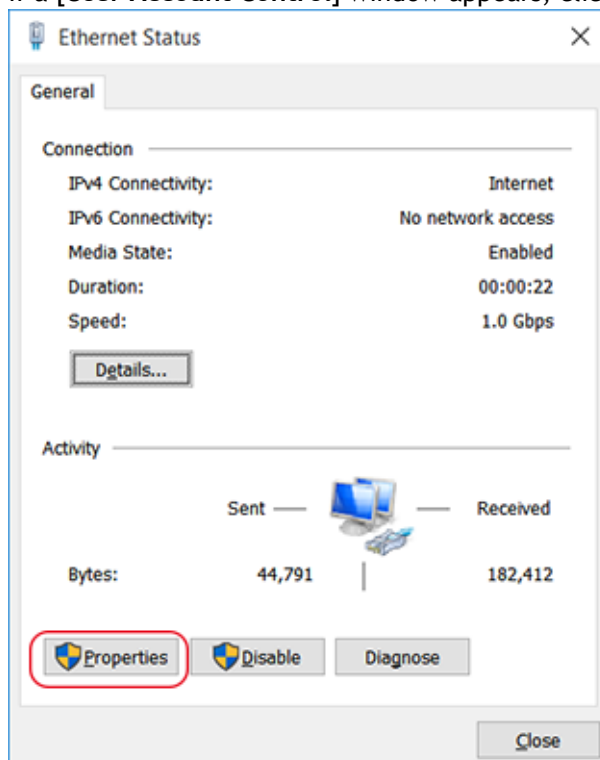
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

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].

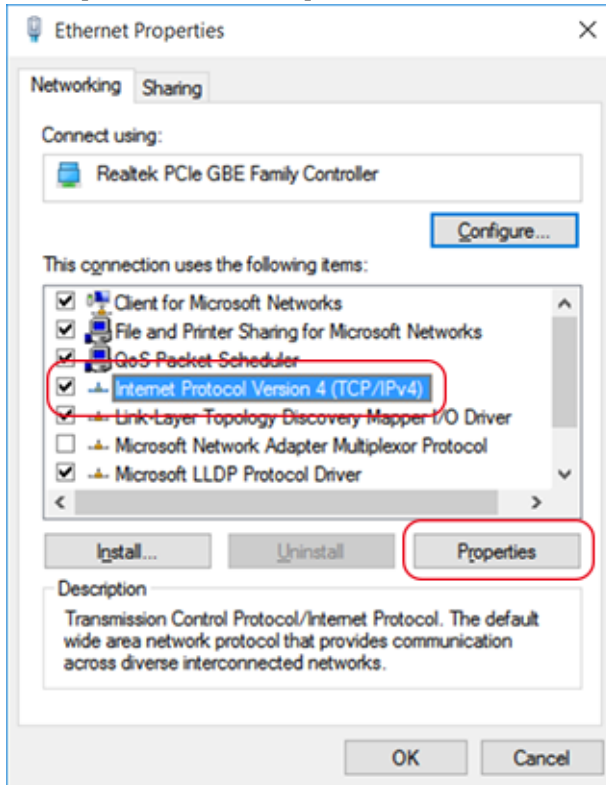


The [Ethernet Properties] or [Wi-Fi Properties] window appears.

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

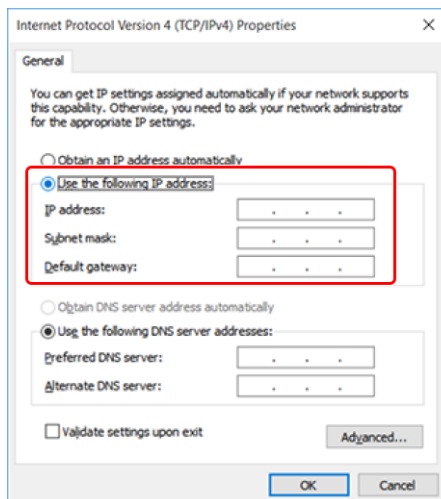
3. Configuring the Computer's Network Settings

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\(P. 60\)](#).

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

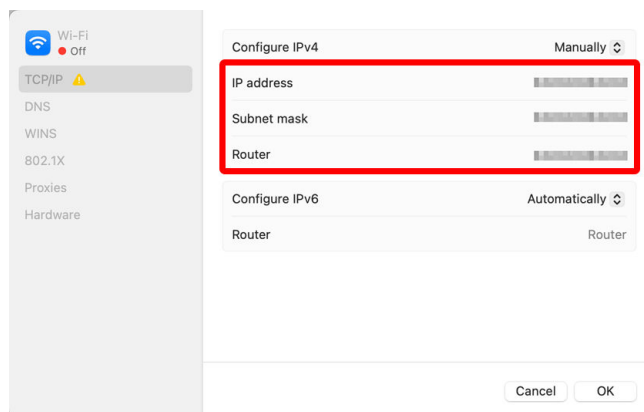
In an environment where the computer being used is connected to multiple network devices and the Internet, inappropriate settings will have a large effect on the entire network. For detailed information about the settings, consult your network administrator.

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\(P. 60\)](#).

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 [Step 2: Downloading and Installing Roland DG Connect Hub](#)(P. 61).

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 .

Roland DG Connect



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\(P. 60\)](#) 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.

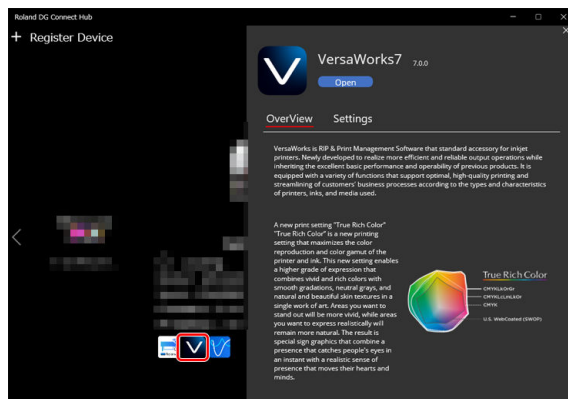
MEMO

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 [VersaWorks Installation Guide](#).

Installation of Ventilating Equipment

Ventilating Equipment	67
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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.

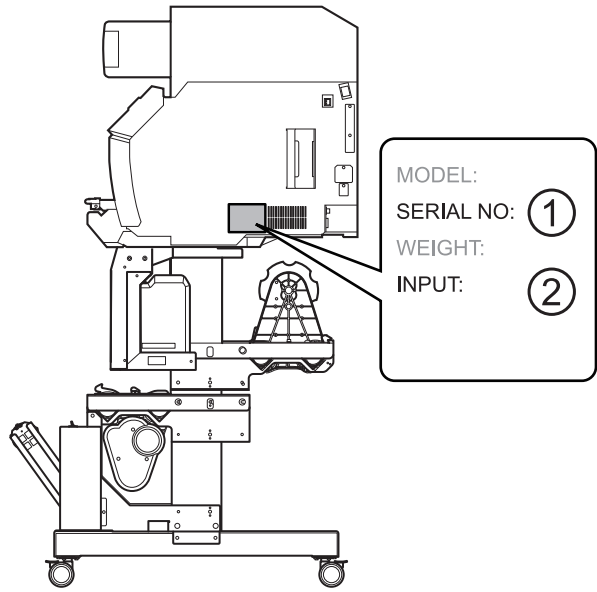
Appendix

Location of the Power Rating and Serial Number Label69

Specifications70

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 (13.19 to 63.97 in.)	295 to 1,371 mm (11.7 to 54 in.)	182 to 762 mm (7.17 to 30 in.)
	Thickness	Maximum 1.0 mm (39.3 mil) with liner, for printing Maximum 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 (9.84 in.)		
	Roll weight	Max. 45 kg (99 lb.)	Max. 35 kg (77 lb.)	Max. 30 kg (66.1 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)		
Printing/cutting width* ¹		Max. 1,600 mm (63 in.)	Max. 1,346 mm (52.9 in.)	Max. 736 mm (28.97 in.)
Ink	Type	ECO-UV (EUV5P) 750ml pouch, UV-Ink (EUV-A) 750ml pouch		
	Colors	- ECO-UV (EUV5P) : 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) - UV-Ink (EUV-A) : Six colors (cyan, magenta, yellow, black, gloss, and white)		
Ink-curing unit		Built-in UV-LED lamp		
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 × depth × height)		2,902 mm × 748 mm × 1,412 mm (114.3 in. × 29.5 in. × 55.6 in.)	2,648 mm × 748 mm × 1,412 mm (104.3 in. × 29.5 in. × 55.6 in.)	2,038 mm × 748 mm × 1,412 mm (80.3 in. × 29.5 in. × 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)		

	LG-640	LG-540	LG-300
Included items	Dedicated stand, power cord, media take-up unit, media holders, separating knife, replacement 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 the media width, the set temperature may not be reached.
- *4 Operating environment (Use the machine in an operating environment within these ranges.)

