

# **EPSON**

**SC-F11000H Series**

**SC-F11000 Series**

**SC-F10000H Series**

**SC-F10000 Series**

## **User's Guide (Excerpt)**

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## Copyrights and Trademarks

# Note for North American and Latin American Users

IMPORTANT: Before using this product, make sure you read the safety instructions in the online *Notices*.

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## Notes on Manuals

## Notes on Manuals


### Meaning of Symbols

 <b>Warning:</b>	Warnings must be followed to avoid serious bodily injury.
---	---

 <b>Caution:</b>	Cautions must be followed to avoid bodily injury.
---	---

 <b>Important:</b>	Important must be followed to avoid damage to this product.
---	---

<b>Note:</b>	Notes contain useful or additional information on the operation of this product.
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	Indicates related reference content.
---	--------------------------------------

### Supported Models

The explanations for the SC-F11000H Series and SC-F11000 Series in this manual are also suitable for models upgraded from SC-F10000H Series or SC-F10000 Series.

### Screenshots in This Manual

- The screenshots in this manual may differ slightly from the real screens.
- The screenshots of the control panel in this manual are set to have **Black** backgrounds.

## Illustrations

- The illustrations in this manual are of the SC-F11000 Series/SC-F10000 Series, unless otherwise specified.
- The illustrations in this manual may differ slightly from the model you are using.

## Manual Organization

### North America

To view user manuals, visit:

SC-F11070H:

- [www.epson.com/support/f11070h](http://www.epson.com/support/f11070h) (U.S.)
- [www.epson.ca/support/f11070h](http://www.epson.ca/support/f11070h) (Canada)

SC-F11070:

- [www.epson.com/support/f11070](http://www.epson.com/support/f11070) (U.S.)
- [www.epson.ca/support/f11070](http://www.epson.ca/support/f11070) (Canada)

SC-F10070H:

- [www.epson.com/support/f10070h](http://www.epson.com/support/f10070h) (U.S.)
- [www.epson.ca/support/f10070h](http://www.epson.ca/support/f10070h) (Canada)

SC-F10070:

- [www.epson.com/support/f10070](http://www.epson.com/support/f10070) (U.S.)
- [www.epson.ca/support/f10070](http://www.epson.ca/support/f10070) (Canada)

### Latin America

To view user manuals, visit:

SC-F11070H:

- [www.latin.epson.com/support/f11070h](http://www.latin.epson.com/support/f11070h) (Caribbean)
- [www.epson.com.br/suporte/f11070h](http://www.epson.com.br/suporte/f11070h) (Brazil)
- [www.latin.epson.com/soporte/f11070h](http://www.latin.epson.com/soporte/f11070h) (other regions)

### Notes on Manuals

SC-F11070:

- ❑ [www.latin.epson.com/support/f11070](http://www.latin.epson.com/support/f11070) (Caribbean)
- ❑ [www.epson.com.br/suporte/f11070](http://www.epson.com.br/suporte/f11070) (Brazil)
- ❑ [www.latin.epson.com/soporte/f11070](http://www.latin.epson.com/soporte/f11070) (other regions)

SC-F10070H:

- ❑ [www.latin.epson.com/support/f10070h](http://www.latin.epson.com/support/f10070h) (Caribbean)
- ❑ [www.epson.com.br/suporte/f10070h](http://www.epson.com.br/suporte/f10070h) (Brazil)
- ❑ [www.latin.epson.com/soporte/f10070h](http://www.latin.epson.com/soporte/f10070h) (other regions)

SC-F10070:

- ❑ [www.latin.epson.com/support/f10070](http://www.latin.epson.com/support/f10070) (Caribbean)
- ❑ [www.epson.com.br/suporte/f10070](http://www.epson.com.br/suporte/f10070) (Brazil)
- ❑ [www.latin.epson.com/soporte/f10070](http://www.latin.epson.com/soporte/f10070) (other regions)

#### Other Regions

The manuals for the product are organized as shown below.

You can view the PDF manuals using Adobe Acrobat Reader or Preview (Mac).

Start-Up Guide (booklet)	This manual explains the safety precautions and the work involved with connecting the printer and the computer and installing software. Make sure you read this manual to perform operations safely.
User's Guide (Excerpt) (this manual)	This manual explains the necessary basic operations and maintenance for daily use.
Epson Support (PDF)	Provides information about Epson Support for each region.
Online Manuals	

User's Guide (PDF)	This manual explains how to use the printer.
Troubleshooting & Tips	This manual provides frequently asked questions and tips on using the printer.
Epson Video Manuals	These videos show you how to load media and perform maintenance.
Network Guide (PDF)	This manual provides information on using the printer over a network.

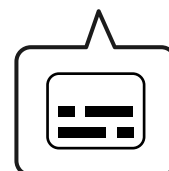
## Viewing Video Manuals

The video manuals have been uploaded to YouTube.

Click [Epson Video Manuals (video)] on the top page of the *Online Manual*, or click the following blue text to view the manuals.

#### Video Manual

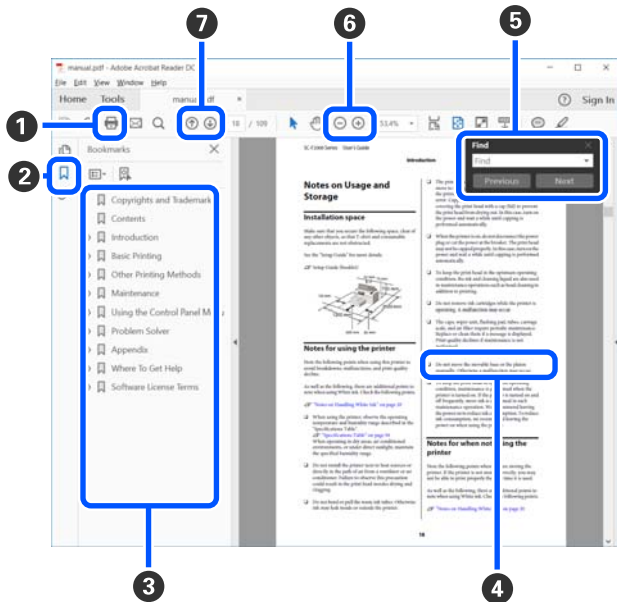
If the subtitles are not displayed when you play the video, click the subtitles icon shown in the image below.



Notes on Manuals

# Viewing PDF Manuals

This section uses the Adobe Acrobat Reader DC as an example to explain the basic operations for viewing the PDF in Adobe Acrobat Reader.



- 1 Click to print the PDF manual.
- 2 Each time it is clicked the bookmarks are hidden or shown.
- 3 Click the title to open the relevant page.  
Click [+] to open the titles lower in the hierarchy.
- 4 If the reference is in blue text, click the blue text to open the relevant page.

To return to the original page, do the following.

**For Windows**

While pressing the Alt key press the ← key.

**For Mac**

While pressing the command key press the ← key.

- 5 You can input and search for keywords, such as the names of items you want to confirm.

**For Windows**

Right click on a page in the PDF manual and select **Find** in the menu that is displayed to open the search toolbar.

**For Mac**

Select **Find** in the **Edit** menu to open the search toolbar.

- 6 To enlarge the text in the display that is too small to see well, click +. Click - to reduce the size. To specify a part of an illustration or screenshot to enlarge, do the following.

**For Windows**

Right click on the page in the PDF manual and select **Marquee Zoom** in the menu that is displayed. The pointer changes to a magnifying glass, use it to specify the range of the place you want to enlarge.

**For Mac**

Click **View** menu - **Zoom** - **Marquee Zoom** in this order to change the pointer to a magnifying glass. Use the pointer as a magnifying glass to specify the range of the place you want to enlarge.

- 7 Opens the previous page or next page.



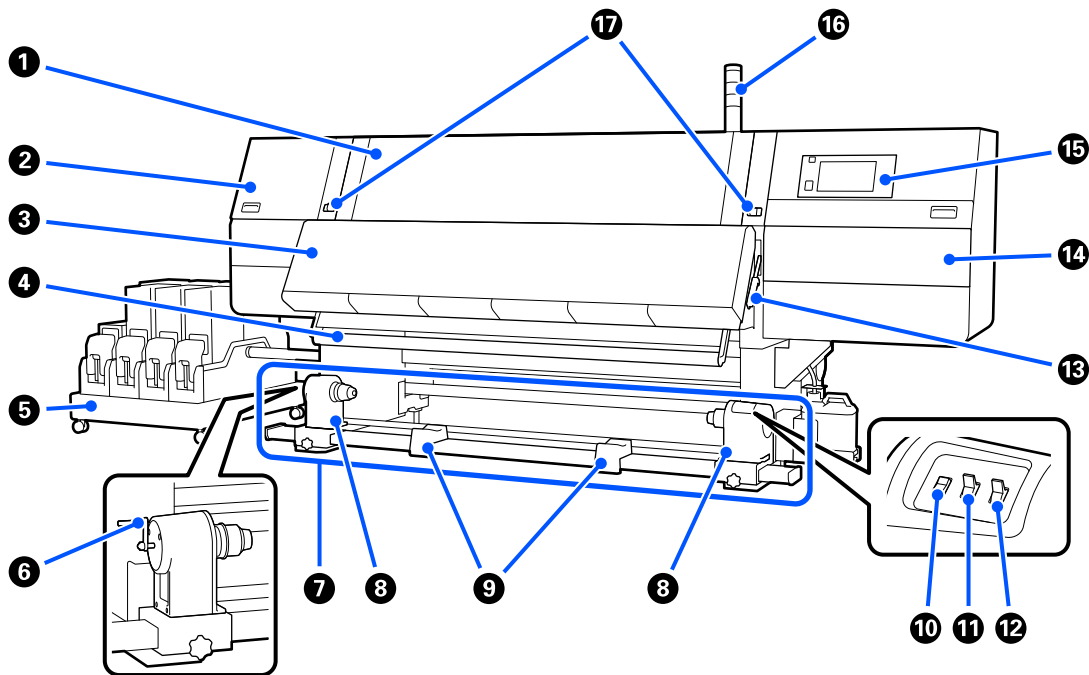
Introduction

# Introduction

## Printer Parts

Illustrations of the SC-F11000 Series/SC-F10000 Series are used for these explanations.

### Front Section



**1 Front cover**

Open when loading media, cleaning the inside of the printer, or removing jammed media. This is normally closed and locked when using the printer.

**2 Maintenance cover (left)**

Open this cover to clean the area around the caps. This is normally closed when using the printer.

See the *User's Guide* in the *Online Manual* for details.

**3 Dryer**

The built-in heater and fan quickly dry the ink after printing while circulating the air and maintaining the set temperature.

It is also possible to turn off the heater and operate only the fan. (Fan)

**4 Media guide bar**

The bar maintains tension to prevent the media sagging as it is taken up.

## Introduction

### 5 Ink supply unit

Supplies the printer with ink from the ink cartridges. Holds two ink cartridges for each color.

### 6 Handle

After placing the roll core on the left media holder, rotate the handle and press the media holder into the roll core.

### 7 Auto Take-up Reel Unit

Automatically takes up printed media.

### 8 Media holder

Place the roll core for media take-up on these holders. The same parts are on both the left and the right sides.

 [“Using the Auto Take-up Reel Unit” on page 55](#)

### 9 Roll support

Rest media temporarily on these supports when removing the take-up roll. The same parts are on both the left and the right sides.

### 10 Media feed switch

Feeds/rewinds the media. Because the media feed switch has the same function as the media feed button in the control panel, you can operate whichever is the easiest to use in your situation. See the explanation for the media feed button for details about functions.

### 11 Auto switch

Use this switch to select the auto take-up direction. Choose Off to disable auto take-up.

### 12 Manual switch

Use this switch for manual take up. The selected option takes effect when the Auto switch is in the Off position.

### 13 Media loading lever

After loading media, lower the media loading lever to keep the media in place. Raise the lever to release the media prior to removal.

Since there is also a media loading lever on the back, you can operate whichever is the easiest to use in your situation.

### 14 Maintenance cover (right)

Open this cover to clean the area around the print head and the replacement for the wiper roll. This is normally closed when using the printer.

See the *User's Guide* in the *Online Manual* for details.

### 15 Control panel

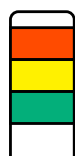
 [“Control panel” on page 22](#)

## Introduction

### 16 Signal lamps

Lamps light or flash in 3 colors to notify you of the status of the printer. Basically, the meaning of the lamps' colors are as follows.

The color of the lamps, in order from top to bottom, are red, yellow, and green.



Red : Printing is not possible due to an error.

Yellow : Printer is operating, such as when there is a notification message or the printer is paused or doing maintenance.

Green : Printing is possible and the printer is either printing or ready to print.

The printer notifies you about its status in detail with a combination of the lamps' colors and lighting/flashing.

See the *User's Guide* in the *Online Manual* for how to read the indicator.

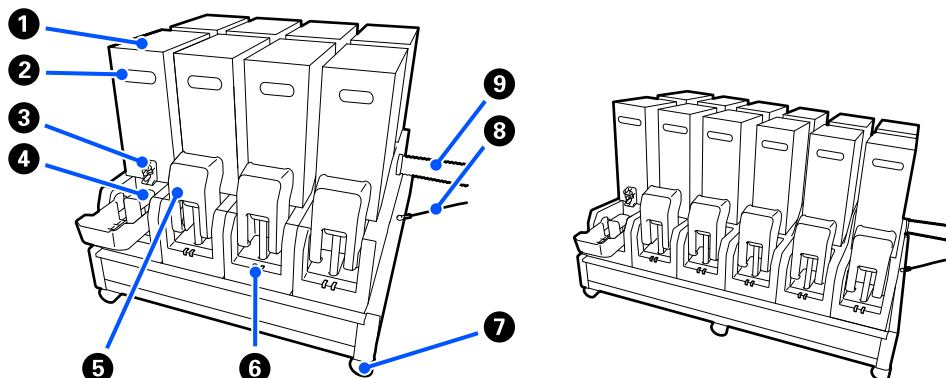
### 17 Lock levers

The same parts are on both the left and the right sides. When the front cover is open, the left and right levers move outwards to release the lock. After the front cover is closed, the levers move inward to lock the front cover.

## Introduction

### Ink supply unit

The SC-F11000H Series/SC-F10000H Series holds a total of 12 ink cartridges.



#### 1 Ink cartridges

Two ink cartridges for each color are inserted. Normally, one ink cartridge continues to be used. Once the ink cartridge is expended, the printer automatically switches to the other ink cartridge. As a result, even if ink is expended during printing, the ink cartridge can be replaced without interrupting printing. You can also manually switch ink cartridges when you want to switch and use them depending on the intended use. The switching operation is done from the Home screen.

 [“Home screen” on page 24](#)

Colors of ink are available in 2 types of ink cartridges, which hold 10 L or 3 L, so use them according to your intended use. You can also mix different volumes and install them.

 [“Ink cartridges” on page 106](#)

#### 2 Handle

Grasp this with your hand to hold the ink cartridge. With new products, the holes are shut, so open the holes by pressing them with your hand. There are 4 places on the sides of 10 L ink cartridges, and 2 places on the top of 3 L ink cartridges.

#### 3 Ink supply outlet

Ink from the ink cartridge comes out of here. Pull this out from inside the new ink cartridge, and then insert the ink cartridge.

#### 4 Connector

Attach this to the ink supply outlet, and then connect the ink supply unit and the ink cartridge.

#### 5 Cartridge cover

Prevents accidental contact with the ink cartridge's connector. Normally, this is raised when using the printer.

## Introduction

### 6 Cartridge check lamp

Lights or flashes in 2 colors to notify you of the status of the ink cartridge that is inserted. The color of the lamp on the left side is blue and the color of the lamp on the right side is orange.



Left side (blue) is lit

Ink is being supplied to the printer. Do not remove the ink cartridges.



Left side (blue) is flashing

It is time to shake the ink cartridges. Remove the ink cartridges and shake them.

 [“Periodic shaking of ink cartridges” on page 97](#)



Right side (orange) is lit

An error or warning occurred. Check the details of the error or warning on the control panel's screen.



Entire right side (orange) is flashing

An error that cannot be cleared has occurred. Check the details of the error on the control panel's screen. Turn the power for the printer off, and then turn it back on.

If the error persists even after turning the power off and on, call for service.



Off

No error. The ink cartridge can be removed, if necessary.

### 7 Casters

There are 6 (SC-F11000H Series/SC-F10000H Series) or 4 (SC-F11000 Series/SC-F10000 Series) casters on the legs. Always lock these when using the printer.

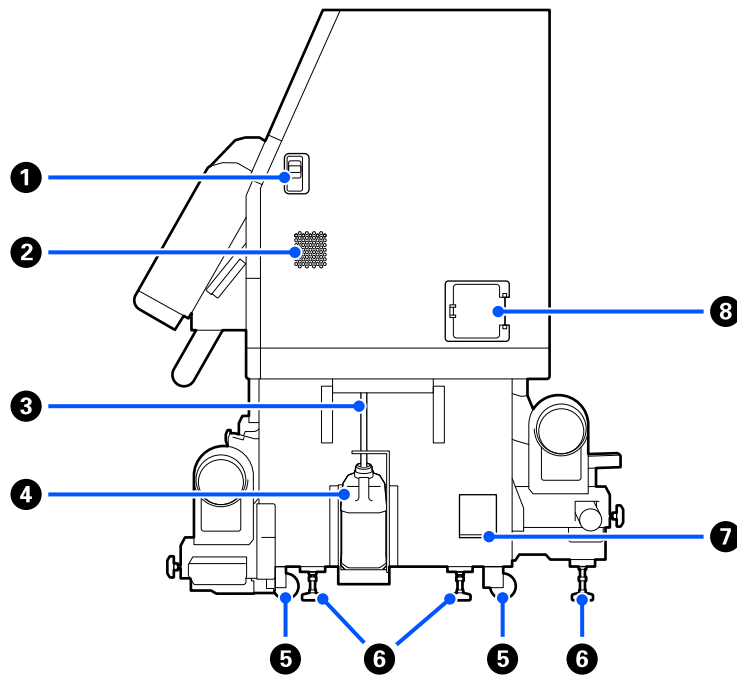
### 8 Ink supply unit wire

Use with the wire as connected. If you move the ink supply unit while connected to the printer, without connecting them with the wire, the ink supply tube may be damaged.

### 9 Ink supply tube

Supplies the printer with ink from the ink cartridges.

## Introduction

**Right view****1 Lock release levers**

Releases the maintenance cover's locks. The same parts are on both the left and the right sides. When opening the maintenance cover, open it while lowering the levers. The maintenance cover will automatically lock when shut.

**2 Airflow vents**

Allows air to flow into the printer. There are multiple airflow vents. Do not obstruct any of the airflow vents.

**3 Waste ink tube**

Tubes for ejecting waste ink. Be sure the end of this tube is in the Waste Ink Bottle while the printer is in use.

**4 Waste Ink Bottle**

Waste ink collects in this bottle.

Replace it with a new Waste Ink Bottle when a message is displayed on the control panel prompting you to do so.

See the *User's Guide* in the *Online Manual* for details.

**5 Casters**

There are two casters on each leg.

## Introduction

### 6 Levelers

When installing, check the level gauge, use the levelers to adjust the printer to be level, and then fix the printer in place. Install metallic plates on the bottom to distribute the load.

Keep the printer level after moving it.

See the *User's Guide* in the *Online Manual* for details.

### 7 Level gauge

Check the horizontal level of the printer.

### 8 Circuit breaker

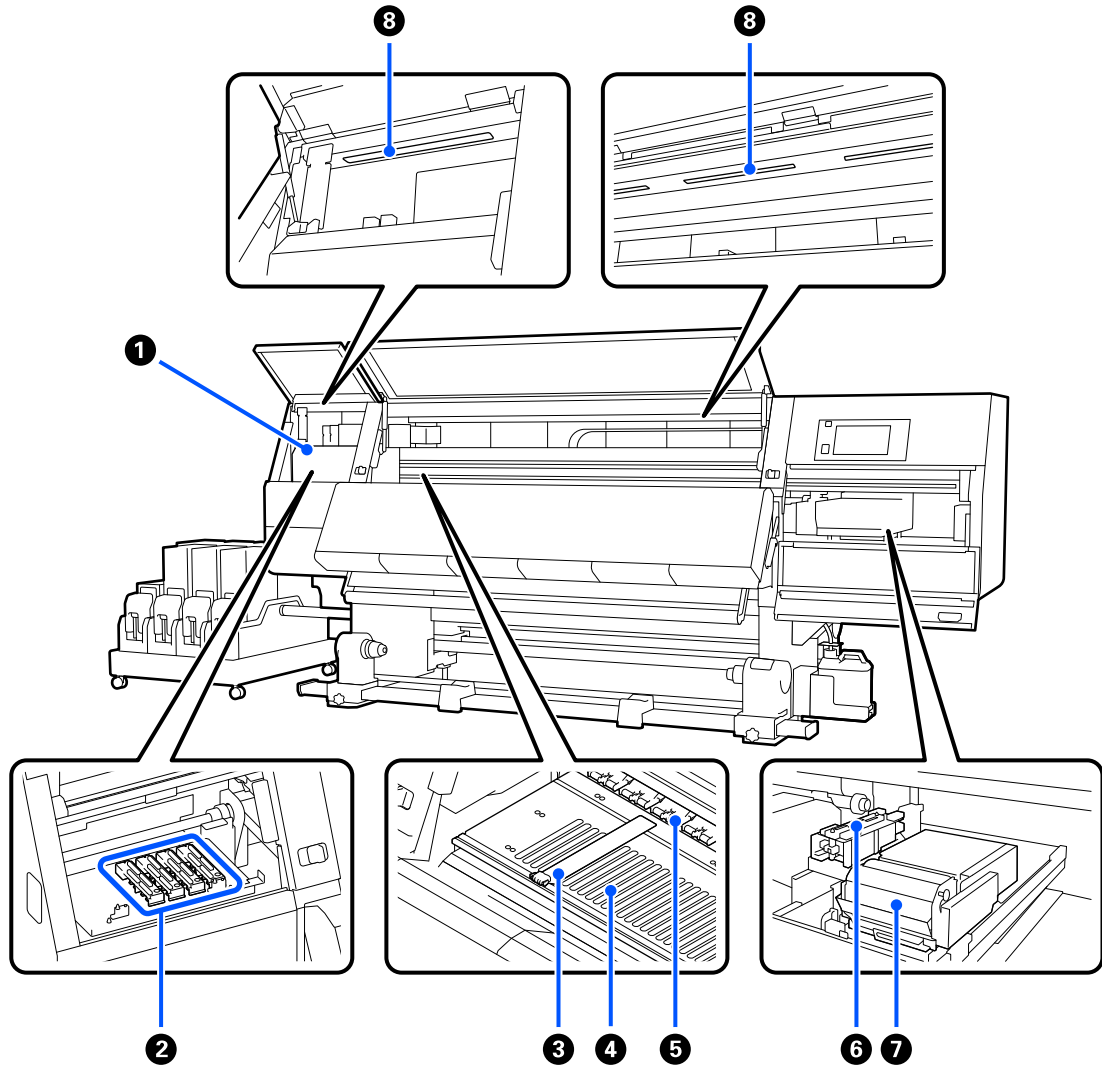
If an electric current caused by a short circuit is detected, the circuit is automatically cut off to prevent electric shock. Always keep the breaker switch ON while using the printer. Check the circuit breaker's performance about once a month.

 ["Checking the circuit breaker's performance" on page 103](#)

**Introduction**

**Inside**

When the following parts become dirty, they may cause problems with the print results. Regularly clean or exchange these parts as described in the chapters listed in the reference sections below or by following the messages on the screen.



**1 Print head**

The print head prints by moving left and right while emitting ink. When print results are dirty, check for dirt stuck to the print head and clean it, if necessary.

See the *User's Guide* in the *Online Manual* for details.



## Introduction

### 2 Anti-drying caps

There is a row of 6 on the SC-F11000H Series/SC-F10000H Series and 4 on the SC-F11000 Series/SC-F10000 Series.

Except during printing, these caps cover the print head nozzles to prevent them drying out. Depending on the dirtiness, a message about cleaning appears on the control panel's screen. Clean according to the message.

See the *User's Guide* in the *Online Manual* for details.

### 3 Media edge plates

The media edge plates prevent the media riding up and keeps fibers on the cut edge of the media from touching the print head. Position the plates at either side of the media before printing.

 [“Loading media” on page 41](#)

### 4 Platen

This suction and fixes the media for smooth printing and media feeding.

 [“Daily Cleaning” on page 88](#)

### 5 Pressure rollers

These rollers press down on the media during printing.

### 6 Suction cap

Ink is drawn out from the print head's nozzle with this cap.

Clean the suction caps before doing Print Head Refresh.

See the *User's Guide* in the *Online Manual* for details.

### 7 Wiper unit

The wiper removes ink from the surface of the print head nozzles. The wiper roll that is loaded on the wiper unit is a consumable item. Replace when a message is displayed on the control panel prompting you to do so.

See the *User's Guide* in the *Online Manual* for details.

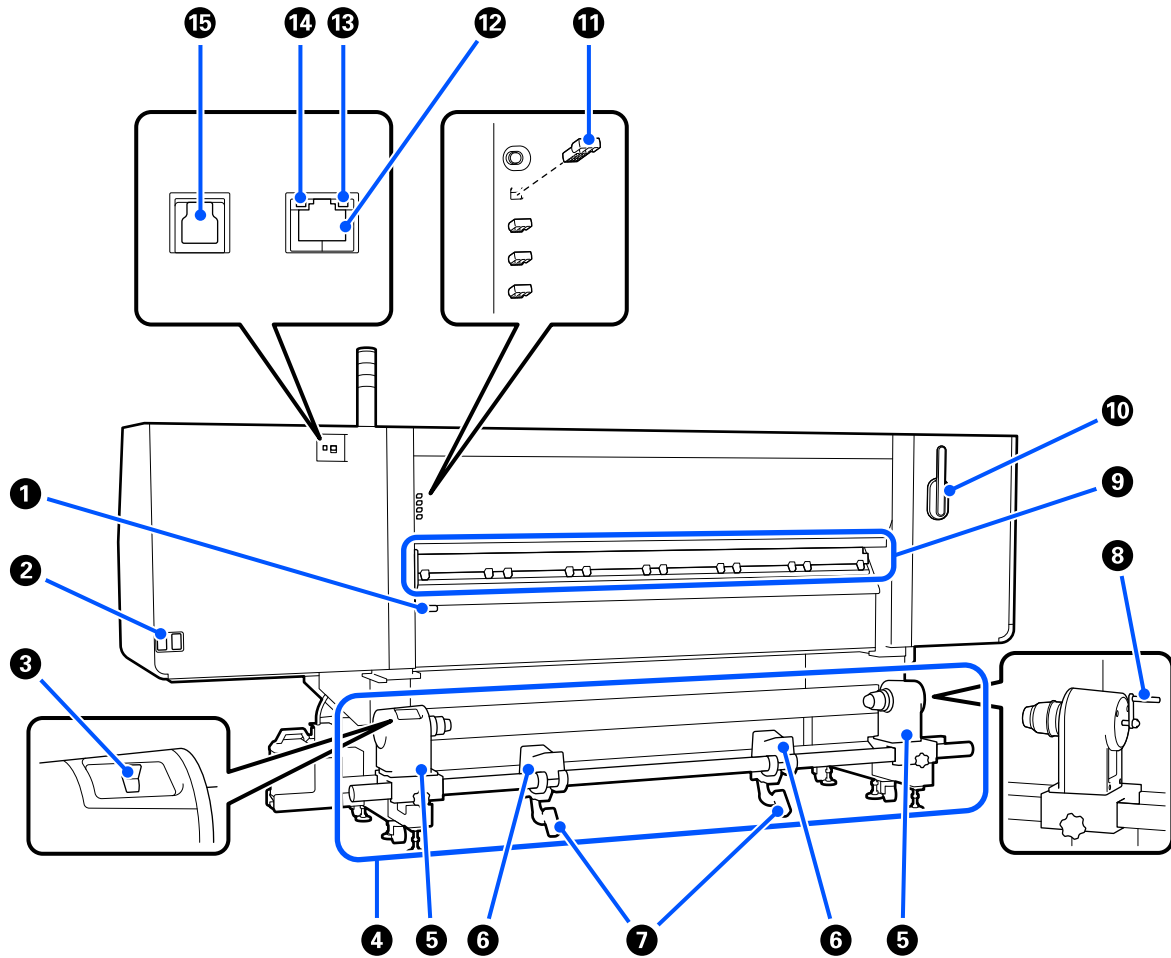
### 8 Internal lamp

Illuminates the inside of the printer to make it easy to check print results and areas for maintenance. If the surface becomes dirty due to ink mist, clean it.

See the *User's Guide* in the *Online Manual* for details.

Introduction

Back



**1 Media loading lever**

After loading media, lower the media loading lever to keep the media in place. Raise the lever to release the media prior to removal.

Because this media loading lever has the same function as the media loading lever on the front of the printer, you can operate whichever is the easiest to use in your situation.

**2 AC inlet #1/AC inlet #2**

Connects the power cable. Be sure to connect both cables.

**3 Drive switch**

The drive switch can be used to slacken media while loading it and to take up cut media while replacing it.

**4 Media Feeding Unit**

Loads media to be used for printing.

See the following for supported media.

 [“Supported Media” on page 112](#)

## Introduction

### 5 Media holder

Place media on these holders. The same parts are on both the left and the right sides.

### 6 Roll support

Rest media on these supports before placing it on the media holders. The same parts are on both the left and the right sides.

### 7 Lift lever

If the media to be mounted on the media holders seems heavy, use these levers to raise the media easily to the level of the media holders. The same parts are on both the left and the right sides.

### 8 Handle

After placing media on the right media holder, rotate the handle and press the media holder into the roll core.

### 9 Media cleaner

Wipes off any lint or dust on the media when the media is being fed. If a message appears on the control panel's screen, use the supplied media cleaner brush for cleaning.

See the *User's Guide* in the *Online Manual* for details.

### 10 Media cleaner brush

Dusts off the dirt on the surface of the media cleaner.

Since the brush's surface has a direction in which to wipe, move it in the direction that wipes off the dirt. You can switch the direction in which to wipe. If you are not using the media cleaner brush, store it by hanging it on the hooks on the back of the printer.

### 11 Presser roller spacer

This part fixes the pressure rollers in the open position. Pressure rollers that have spacers inserted do not apply pressure to the media, even when the media loading lever is lowered. If you use the presser roller spacer when wrinkles occur on the media end, the wrinkles may be improved.

If you are not using the presser roller spacer, store it by inserting it into its original place.

See the *User's Guide* in the *Online Manual* for details.

### 12 LAN port

Connects the LAN cable. Use a shielded twisted pair cable (category 5e or higher).

### 13 Data lamp

The data lamp lights or flashes to indicate the network connection status and whether the printer is receiving data.

On : Connected.

Flashing : Connected. Receiving data.

## Introduction

### 14 Status lamp

The color indicates the network's communication speed.

Green : 1000Base-T

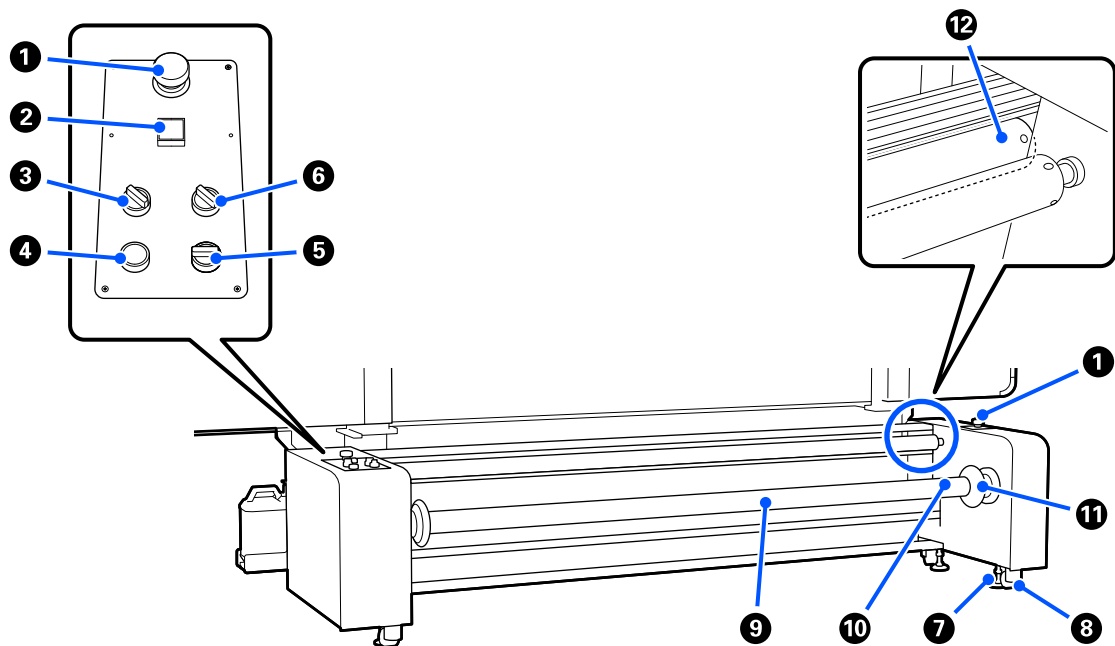
### 15 USB port

Connects the USB cable.

---

## Media Feeding Unit (Large Capacity Type)

The large capacity type of Media Feeding Unit is only compatible with SC-F11000H Series and SC-F11000 Series.



### 1 Emergency stop button

There are 2, on the left and right. Press them in an emergency to quickly stop operations and cut off the power supply.

For how to recover from an emergency stop, see the *User's Guide* in the *Online Manual* for details.

### 2 button (power button)

Turns the power to the Media Feeding Unit on and off. If you are using a large capacity type media feeding unit, before you turn on the power to the printer, first turn on the power to the media feeding unit, and then turn on the power to the printer.

### 3 Load switch

Adjust the tension applied when media is feeding by switching the force of the tension bar pressing on the media.

## Introduction

### 4 Release Button

Lift the tension bar and release the tension of the media. Raise the tension bar while loading media.

### 5 Manual switch

The drive switch can be used to slacken media while loading it and to take up cut media while replacing it.

Functions regardless of the Auto switch setting, so there is no need to turn the Auto switch Off to operate the Manual switch.

### 6 Auto switch

This switch sets the specifications (whether the printed surface is rolled facing out or in) for taking up the media that is loaded. When set to Off, it does not operate.

### 7 Levelers

Extend to the ground to brace the Media Feeding Unit.

After moving the printer, do the needed adjustments and then brace it.

See the *User's Guide* in the *Online Manual* for details.

### 8 Casters

There are 4, on the legs.

### 9 Spindle

To load media or roll cores on the printer, insert the spindle into the media then load it.

The spindle can be used facing either left or right, but the valve is only on one side, so put the valve where it is easy to use.

### 10 Valve

Supply air from a commercially available air compressor here to secure media or roll cores to the spindle.

### 11 Handle

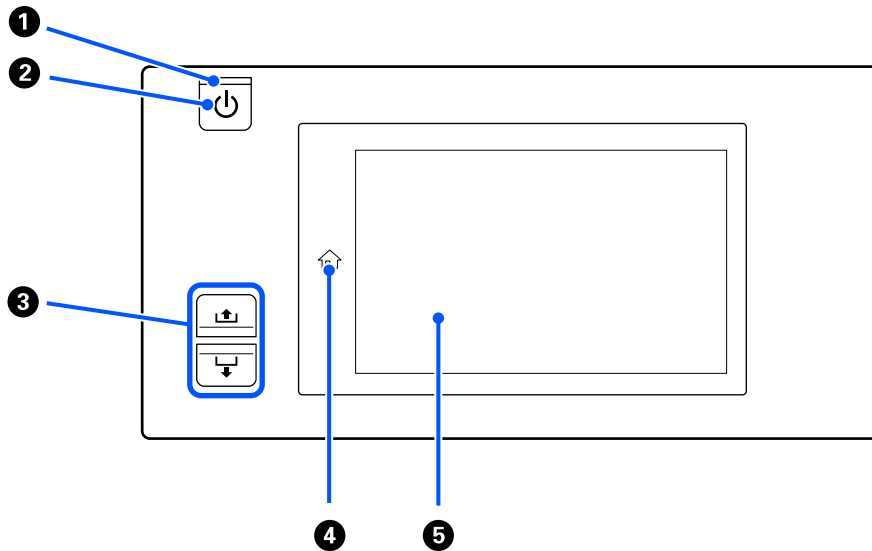
Move to lock and release the spindle that is loaded. Also, hold the handle to rotate the spindle manually.

### 12 Tension bar

Move this bar up or down to press on the media and apply tension.

## Introduction

---


**Control panel**

**1**  **light (power light)**

The printer's operational status is indicated by a lit or flashing light.

On : The power is on.

Flashing : The printer is receiving data or performing head cleaning or other operations during shut-down.

Off : The power is off.

**2**  **button (power button)**


Turns the power on and off.

**3** **Media feed button**


The operations when the button is pressed differ depending on the media loading lever's status.

- Lever is lowered

The following operations are done, regardless of the loaded media's winding specifications.

 button: Rewinds the media.

 button: Feeds the media.


When the  button is used to rewind, the media will stop when its edge reaches the print start position.


Rewind can be resumed by releasing the button and then pressing it again.

- Lever is raised

The loaded media is rotated in the following directions.

## Introduction

 button: For printable side out, the rewind direction; for printable side in, the feed direction

 button: For printable side out, the feed direction; for printable side in, rewind direction

If you take up media with the lever raised, it may rotate in the feed direction.

 [“Loading media” on page 41](#)

You can also do the same operation with the Auto Take-up Reel Unit's media feed switch. Operate whichever is the easiest to use in your situation.

### 4 **button (Home button)**

Press this while it is lit when the settings menu, or other such screens, is displayed to return to the Home screen.

If the Home button cannot be used during operation, the lamp turns off.

### 5 **Display**

This is a touch panel that displays the printer's status, menus, and error messages. You can use your fingers to lightly press and select menu items and options shown on the screen, or to move your finger while still touching the screen to scroll the screen.

 [“Understanding and Operating the Display” on page 24](#)

Introduction

# Understanding and Operating the Display

Screenshots for the SC-F11000 Series/SC-F10000 Series are used for these explanations.

This chapter describes how to understand and operate the screen layout, using the Home screen, Menu screen, and the display for operating procedures screen as an example.

See the *User's Guide* in the *Online Manual* for details about the settings menus in this explanation.

**Note:**

*If the screens for the SC-F11000H Series/SC-F11000 Series and the SC-F10000H Series/SC-F10000 Series are different, then updating the firmware for SC-F10000H Series/SC-F10000 Series will update the screens for SC-F11000H Series/SC-F11000 Series.*

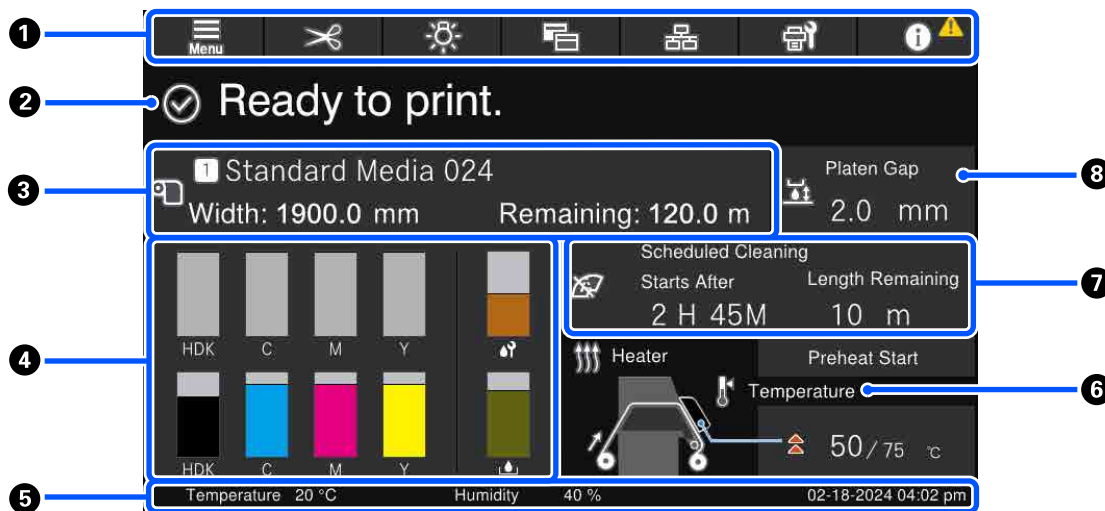
## Home screen

On the Home screen, you can switch between the Status Display screen and the Media Settings screen by pressing the display switching button.

## Status Indicator screen

The printer's status can be listed.

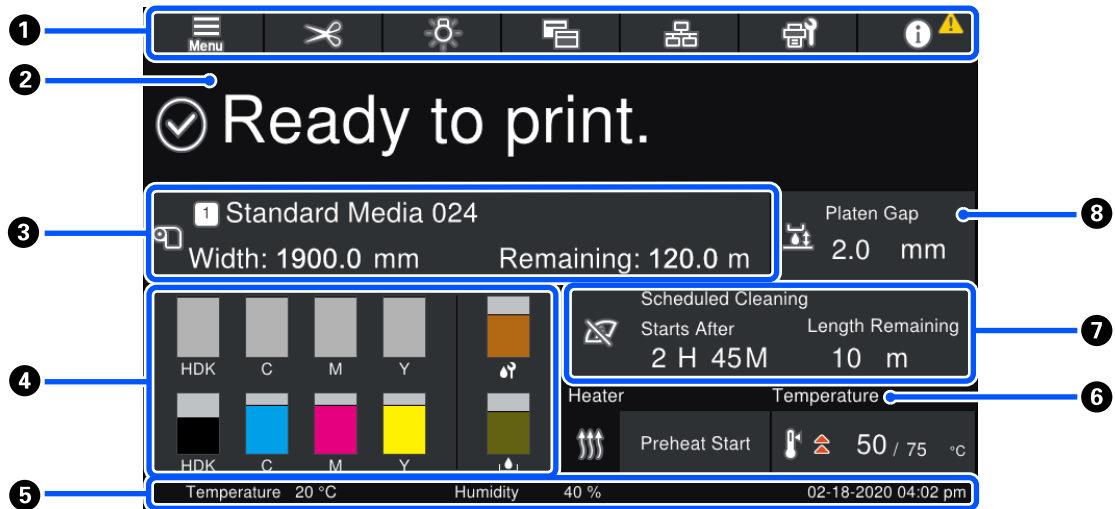
### SC-F11000 Series





## Introduction

### SC-F10000 Series



#### 1 Header

Displays the buttons for frequently-used functions. The functions of the buttons are shown below. The header also appears similarly on other screens.



#### Menu

Displays the Settings menu.



#### Cutting Media

Feeds the media to the cut position when printing is complete and when media has been replaced.

[“Cutting Media” on page 67](#)



#### Internal lamp

Switches the internal lamp on or off. The display changes as follows, depending on the status.



On



Off

Setting **Auto** for **Inside Light** in the Printer Settings, turns the light on automatically when operations that need light are done, such as while printing, and turns it off when the operation is complete.

However, it may not come on, depending on the condition of the printer. In these cases, the button changes to gray.



#### Switch View

Switches the Status Indicator screen and Media Settings screen.

## Introduction



### Switch Connection Status

Changes the Online/Offline state of the computer connected to the printer. Change this when necessary, such as changing it to Offline so print jobs are not received while doing printer maintenance.



### Maintenance

The Maintenance menu appears on this screen and you can do such maintenance as print head maintenance and replacement of consumables.



### Information

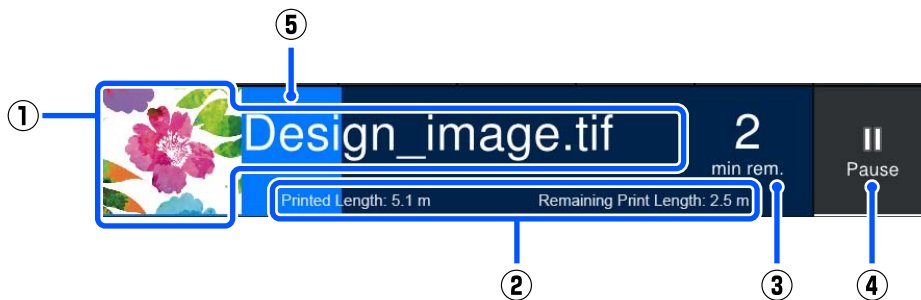
Displays the Printer Status. If there are any notifications, such as about running low on consumables, the icon appears at the top right of the screen. The display that appears when you press the button displays a **Message List** for matters not yet handled. Instructions appear if you press the items, so follow the directions to resolve any issues. Once everything is resolved, the icon disappears.

## 2 Messages

Displays the printer's status and messages that give instructions.

See the *User's Guide* in the *Online Manual* for details about messages.

During printing, the display switches, as seen in the illustration, and shows the following information and buttons.



- (1) File name and thumbnail of image being printed

A thumbnail image may not be shown, depending on the type of RIP being used.

- (2) The media's Printed Length, the media's Remaining Print Length, Time until media replacement, and Pass Mode

Pressing the display area while printing displays the screen to set the display details for (2). Select up to 2 items that you want to display.

The Time until media replacement shows an estimated time.

- (3) Estimate of remaining printing time

- (4) Pause (Suspend) button

## Introduction

Appears as the Start button while warming up, until the heater reaches the set temperature. Pressing this button starts printing, even if the heater temperature is low.

(5) Progress bar


### Pausing printing and canceling print jobs

Pressing the Pause button while printing displays a screen for selecting the timing to suspend, press one to select it.

- Immediate pause:** Stops printing immediately. When printing is stopped during a print job, printing may be disturbed when printing is resumed.
- Pause between pages:** Stops at the end of the page currently printing.

Pressing **Resume** in the screen during a pause cancels the pause status. Pressing **Cancel** cancels the print job in progress and stops printing.

### 3 Media info

Displays information about the media that is loaded. The number indicates the media setting number. When the remaining amount of media goes below the value set in the **Remaining Alert** in the Media Settings menu,  appears. Press the display area to show the Media Settings menu.

### 4 Information on consumables

Information regarding consumables, such as ink cartridges, are displayed using the following icons and bar lengths.



#### Ink cartridge status

Displays the approximate level of remaining ink and the current status. If the amount of ink runs low, the bar becomes shorter.

The code at the bottom of the bar display indicates the ink color. The bar at the bottom indicates the front ink cartridge, while the bar at the top indicates the back ink cartridge.

SC-F11000H Series/SC-F10000H Series

FP : Fluorescent Pink

FY : Fluorescent Yellow

LC : Light Cyan

LM : Light Magenta

OR : Orange

V : Violet

HDK : High Density Black

## Introduction

C : Cyan

M : Magenta

Y : Yellow

OR and V are compatible with SC-F11000H Series only.

SC-F11000 Series/SC-F10000 Series

HDK : High Density Black

C : Cyan

M : Magenta

Y : Yellow

The display changes, as shown below, if a warning or error occurs.



The amount of ink is estimated to be low. Once the ink cartridge is expended, the printer automatically switches to the other ink cartridge. Confirm that a new ink cartridge is installed on the other side.



- Ink is expended. Replace the old ink cartridge with a new one.
- More than 30 minutes has elapsed since the ink cartridge connector was disconnected. Immediately connect the connector, if it is left the way it is, the ink will dry out and the printer may not function normally.



It is time to shake the ink cartridges. Remove the ink cartridges and shake them.



An ink cartridge's connector is disconnected. Insert the ink cartridge and connect the connector correctly.



Confirm that all of the cartridge covers are upright, and then follow the on-screen instructions.



### Waste Ink Bottle status

Displays the approximate amount of space available in the Waste Ink Bottle. If the amount of space decreases, the bar becomes shorter.

The display changes, as shown below, if a warning occurs.



The Waste Ink Bottle is almost full. Ready a new Waste Ink Bottle.

## Introduction



### Wiper Roll status

Displays the guideline for replacement of the wiper roll. As the time for replacement gets closer, the bar becomes shorter.

The display changes, as shown below, if a warning occurs.




The wiper roll will need to be replaced soon. A new wiper roll needs to be prepared.

Pressing the display area shows the Supply Status screen and you can check the part numbers for consumables. You can also switch the ink cartridges to be used. (Changing the active slot)

To change the ink cartridge, press the bar display of the one you are not using, confirm the on-screen message, and then press **Start**.

### 5 Footer

Displays the current date and time and the temperature and humidity around the printer. If the temperature and humidity are out of range for the printer's operating environment,  appears. For high-quality printing, use the printer within the range of the printer's operating environment. The footer also appears similarly on other screens.

### 6 Dryer information

Displays the dryer's Preheat Start button and temperature. Press the Preheat Start button when you want to start preheating before receiving a print job after the printer returns from sleep mode. Pressing the display area for temperature displays the Settings screen.

The value on the right indicates Set, and the value on the left indicates Current. If the current temperature does not reach the set value, the following icons are displayed depending on the situation.



Heating



Cooling

The illustrations that show screens of the SC-F11000H Series/SC-F11000 Series vary according to the model of the media feeding unit you are using.

### 7 Notice on when to do maintenance or periodic cleaning

## Introduction

Displays a notice, in the following situations, about when to do Maintenance Cleaning\* on the left and when to do Periodic Cleaning on the right. For Periodic Cleaning, either Print Duration, Print Page, or Print Length appears, according to the settings.

- ❑ Maintenance Cleaning: 24 hours in advance
- ❑ Periodic Cleaning (Print Duration): 1 hour in advance
- ❑ Periodic Cleaning (Print Length): 20 m in advance
- ❑ Periodic Cleaning (Print Page): 20 pages in advance

The times these are done change greatly depending on the ambient temperature of the print heads. In addition, Maintenance Cleaning may be done regardless of the notice display when the power is turned back on.

Pressing the display area shows the screen for cleaning in advance. If you want to print when it is almost time to implement cleaning, implementing cleaning in advance is effective at preventing printing from being interrupted midway.

\* Maintenance Cleaning is head cleaning that the printer automatically does, after a set period of time has passed, to keep the print heads in good condition. Set Maintenance Cleaning from the Maintenance Setting menu.

### 8 Platen Gap

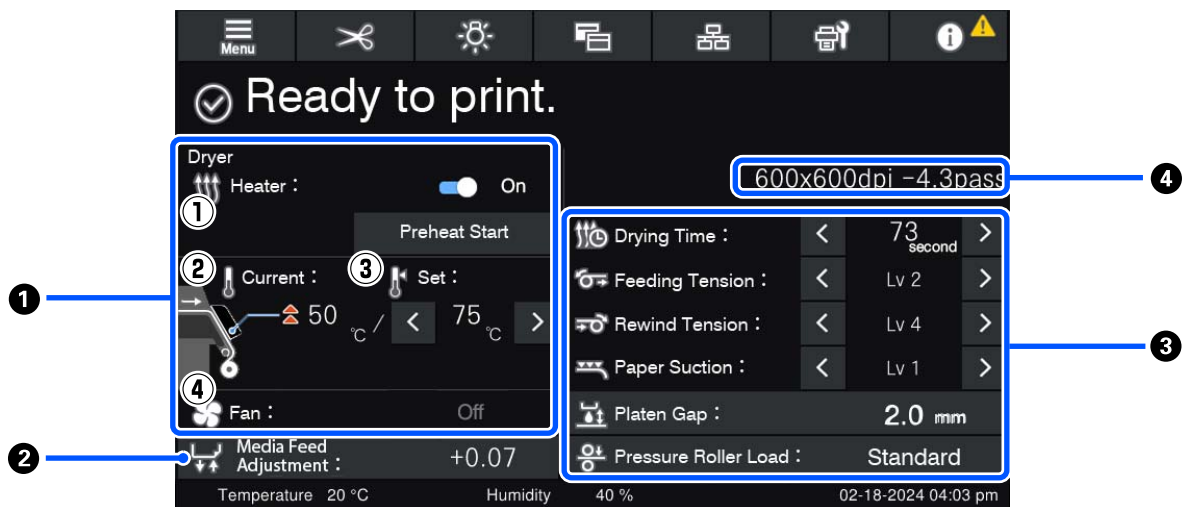
Displays the setting value for the platen gap. Pressing the display area shows the Settings screen.

## Media Settings screen

List of main media settings that you can operate.

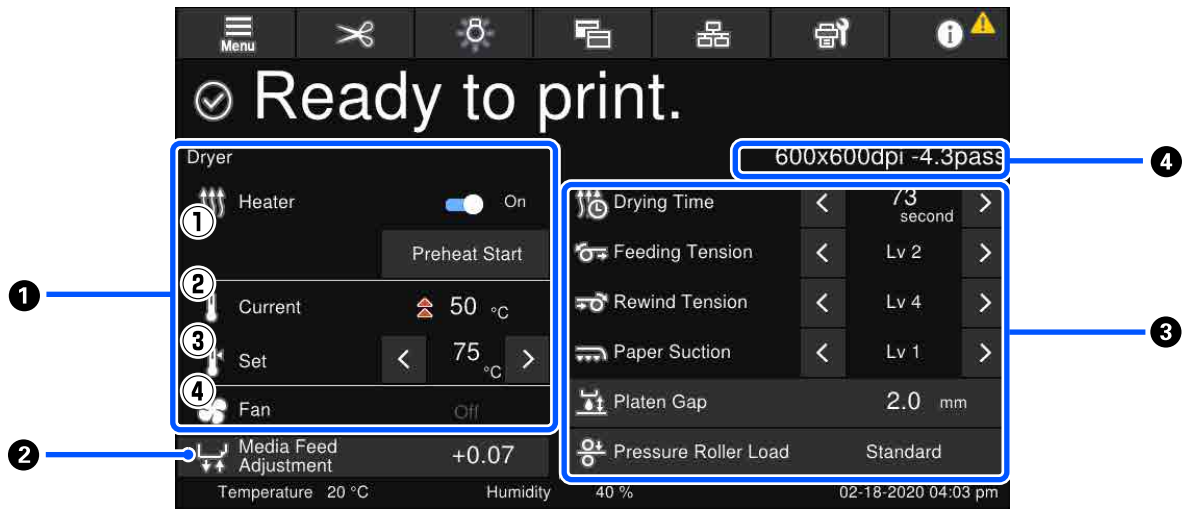
The Media Settings can also be changed from the Settings menu. Change to whichever is the easiest to use in your situation.

### SC-F11000 Series



## Introduction

### SC-F10000 Series



#### 1 Dryer information

You can check the following operations and statuses regarding the dryer.

##### (1) Heater operations

You can change it On/Off and start preheating.

##### (2) Current

Displays icons and the Status Indicator screen at the same time, depending on the situation.

##### (3) Set

Pressing **</>** allows you to change the values.

##### (4) Strength of the Fan mode

The Fan mode is enabled when the heater is Off. Pressing **</>** allows you to change the fan's strength.

#### 2 Media Feed Adjustment information during printing

If you do Media Feed Adjustment while printing, the adjusted values appear. Pressing the display area while printing displays the Settings screen.

#### 3 Media Settings information

The setting items vary according to the Media Feeding Unit you are using.

Displays the currently set values for each setting item. You can change the values for items other than Platen Gap and Pressure Roller Load by pressing **</>**. Doing so changes the setting values for each item of the settings for the currently selected media settings. Pressing the buttons for the Platen Gap and Pressure Roller Load displays the Settings screen.

## Introduction

### 4 Pass Mode

Displays the current Pass Mode.

See the *User's Guide* in the *Online Manual* for details about the Pass Mode.




## Changing settings while printing

During printing, you can change the settings in the Media Settings displayed in the Home screen. If a problem, such as banding or wrinkles, occurs, change the Media Settings to fix it. During printing, you can easily solve problems because you can check the results you see as you make changes. In addition, you can make quick fixes, without stopping printing, when problems occur shortly after printing starts.



Changing the settings in the Home screen changes the content of the current Media Settings.


For methods to fix problems in print results, see the "Problem Solver" in the *User's Guide* and "Troubleshooting & Tips" in the *Online Manual*.

This section explains an example of how to do Media Feed Adjustment to compensate for banding.

- 1 Press  to access the Media Settings screen.
- 2 Press the Media Feed Adjustment information area.  
The settings screen is displayed.
- 3 Press  /  to change the values.  
If the feed amount is too small, black bands (dark stripes) will appear; adjust the feed amount upwards.  
If, in contrast, the feed amount is too large, white bands (pale stripes) will appear; adjust the feed amount downwards.

**Note:**

When the settings screen for Media Feed Adjustment is displayed, you can change the values by pressing the  /  buttons on the left side of the screen.

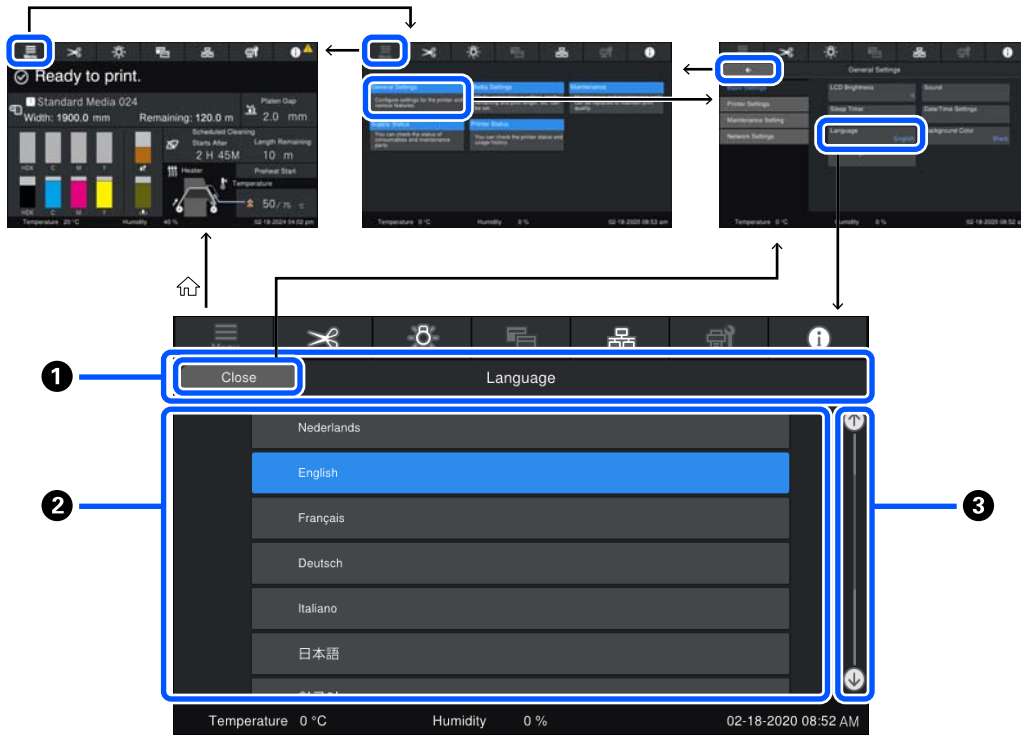
- 4 Change the values as you check the printing results until the problem is completely fixed.  
This updates the setting value of Media Feed Adjustment in the currently selected media settings.
- 5 When adjustments are complete, press  to return to the Home screen.



## Introduction

### Menu screen

Pressing  on the Home screen displays the Menu screen.



#### 1 Screen name display area



Displays the screen's name. Pressing **Close** or  returns you to the previous screen.

#### 2 Operation area

Displays buttons and other items. The displayed contents vary according to the screen.

#### 3 Scroll bar

Appears when all of the buttons, etc., do not fit in the operation area. If the scroll bar is shown, check the buttons, etc., by scrolling up and down.

You can scroll by pressing and holding the item you want to scroll and moving it up and down (slide), or by pressing / to scroll, as shown in the illustrations below.



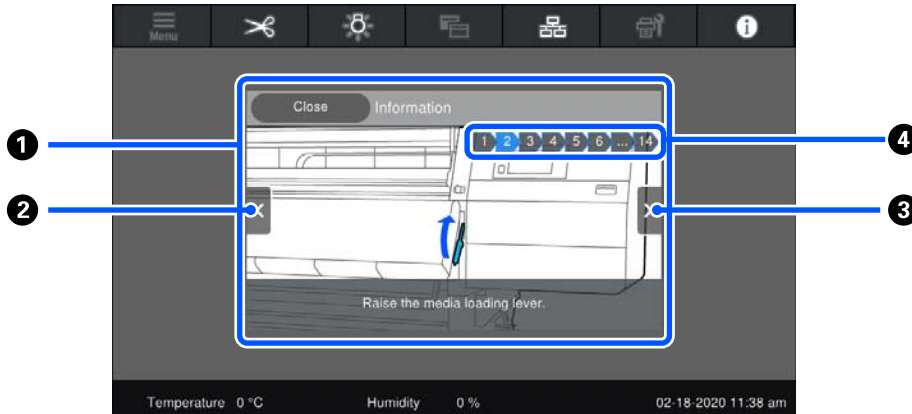
## Introduction

### Instructions screen

The following buttons may appear on screens on which a series of operations starts.



The instructions are explained using illustrations for each step to make them easy to understand. Even if you do not remember the instructions, you can work while looking at the screen.



#### 1 Instructions display area

Displays the instructions. Depending on the step, the Instructions screen may display and cycle through multiple illustrations.

#### 2 Previous step button

Displays the previous step.

#### 3 Next step button

Displays the next step.

#### 4 Step number

Displays the total number of steps. The color of the step that is currently shown changes to blue.

### Types of Buttons

Depending on the screen, the following types of buttons appear. Even if they are the same buttons, how they look may change, depending on the situation.

#### Standard buttons

These buttons appear the most.

Example:



## Introduction

In a list of buttons of selectable items, when a button's text and background colors turn blue, it indicates that it is selected.

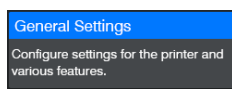
Example:



### Buttons that show descriptions

These are buttons that display an item name on top and an explanation of the item on bottom.

Example:



### Buttons that show setting values

These are buttons for setting items. The current setting value appears at the bottom-right in blue text.

Example:



### Select/change combination button

Pressing the button anywhere except the right end selects an item as normal, but pressing the right end changes the screen to that item's settings.

Example:



### Buttons that can be switched on/off

These are buttons for switching settings on and off. Pressing the button switches the setting.

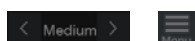
Example:



### Buttons that turn gray (gray-out)

This indicates that the button cannot be used. These buttons turn gray only when they cannot be operated for reasons, such as items not being selectable because of unmet conditions. The conditions for being operable change depending on the button.

Example:



## Basic Operations

# Basic Operations

## Workflow for Optimal Printing

The following conditions must be fulfilled to print optimally on the printer.

- ❑ The media settings values appropriate for the media you are using are registered to the printer, and the print information is registered to the RIP.
- ❑ The media is loaded appropriately on the printer.
- ❑ The print adjustments (print head alignment and media feed adjustment) are executed using the media to be used.
- ❑ The printer is kept in a proper condition.

Follow the steps below to fulfill the conditions.

### When using the EMX file with the new media

#### 1. Register media settings.

If you are using an Epson Edge Print or Epson Edge Dashboard, download the EMX file and register the media settings to the printer.

 ["Registering Media Settings to the printer" on page 37](#)



#### 2. Load the media.

Loads media to be used on the printer.

When loading media, from the screen of the control panel, select a number of a media, whose media settings were registered in advance.

 ["Loading media" on page 41](#)



#### 3. Attach media to the Auto Take-up Reel Unit.

Attach the Auto Take-up Reel Unit to the edge of the media, and make sure that automatic take-up can be performed.

 ["Using the Auto Take-up Reel Unit" on page 55](#)



#### 4. Execute the Print Adjustments.

Execute the Print Adjustments to optimize the media settings values to the condition of the machine.

Usually, this is adjusted automatically by executing Automatic Adjustment.

 ["Print Adjustments" on page 74](#)



#### 5. Check the condition of the printer.


Upon starting printing work, inspect the remaining ink level and the condition of the print head nozzle.

 ["Before Printing" on page 74](#)



#### 6. Print.

Start printing from the Epson Edge Print.

 ["User's Guide" \(Online Manual\)](#)

### When using a new media by using general media settings/by using a media type that has already been registered

#### 1. Load the media.

Loads media to be used on the printer.

When using a new media, on the screen of the control panel, by selecting a Media Type that is close to the media you are using, you can register the suitable media settings.

 ["Loading media" on page 41](#)



## Basic Operations

### 2. Attach media to the Auto Take-up Reel Unit.

Attach the Auto Take-up Reel Unit to the edge of the media, and make sure that automatic take-up can be performed.

 ["Using the Auto Take-up Reel Unit" on page 55](#)



### 3. Execute the Print Adjustments. (when using new media)

Execute the Print Adjustments to optimize the media settings values to the condition of the machine.

Usually, this is adjusted automatically by executing Automatic Adjustment.

 ["Print Adjustments" on page 74](#)



### 4. Check the condition of the printer.


Upon starting printing work, inspect the remaining ink level and the condition of the print head nozzle.

 ["Before Printing" on page 74](#)



### 5. Print.

Start printing from the Epson Edge Print.

 ["User's Guide" \(Online Manual\)](#)

## Registering Media Settings to the printer

Media settings are registered to the printer in one of the following ways.

### Using general media settings that are already registered to the printer

The printer already has 4 types of Media Type that correspond to the paper weight of the media. Select a media type to print with the general media settings that correspond to various paper weights.

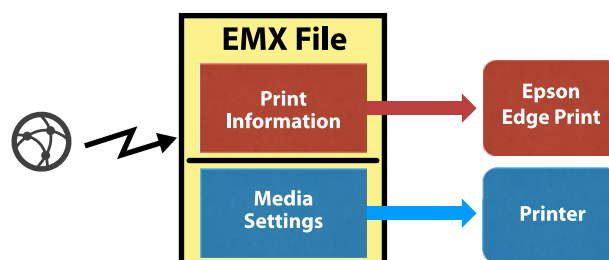
When loading media, view the **Media** items shown in the operation panel screen to select a Media Type that corresponds to the paper weight of the media you are loading.

 ["Loading media" on page 41](#)


### Downloading an EMX file to register settings

An EMX file supplied by Epson is a single print settings file containing the following information necessary to print properly on commercially available media (the provided files differ according to the country and region in which you live).


- Print Information:** Settings for ICC profiles that are used in RIP, the number of passes, the resolution, and so on
- Media Settings:** Registered setting values, such as a platen gap and feeding tension suitable for the media being used, that are registered to the printer for media management



To use Epson Edge Print, the software RIP provided with the printer, download an EMX file from Epson Edge Print.

 ["User's Guide" \(Online Manual\)](#)

To use commercially available software RIP, download an EMX file by using Epson Edge Dashboard.

 ["User's Guide" \(Online Manual\)](#)

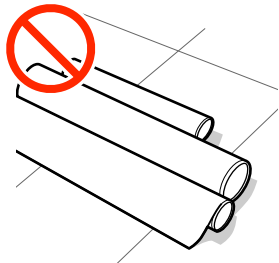
## Precautions When Handling Media

If the following points are not observed when handling media, small amounts of dust and lint may stick to the media surface and cause ink drops in the print results or cause the nozzles to clog.

## Basic Operations

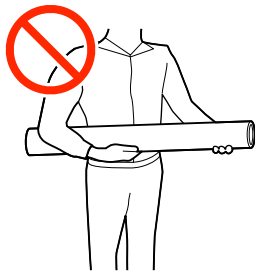
### Do not place exposed media directly on the floor.

Media should be rewound and inserted in its original packaging for storage.



### Do not carry media with the media surface pressed against clothing.

Handle media in its individual packaging until just before loading the media in the printer.



## Notes on Loading Media

### **Caution:**

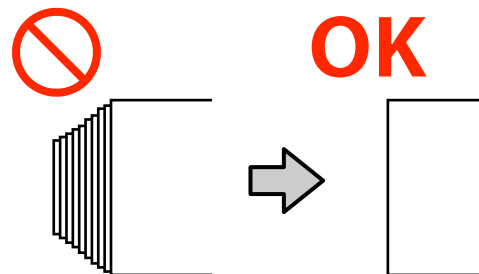
- The dryer may be hot; observe all necessary precautions. Failure to observe the necessary precautions could result in burns.
- Do not put your hand inside the dryer. Failure to observe the necessary precautions could result in burns.
- Because the media is heavy, it should not be carried by one person. We recommend using a lifter for media that weighs over 40 kg (88 lb.).
- Be careful not to trap your hands or fingers when opening or closing the front cover or the maintenance cover. Failure to observe these precautions could result in injury.
- Do not rub your hands along the edges of the media. The edges of the media are sharp and can cause injury.

### Load the media just before printing.

The pressure rollers may crease media left in the printer. The media may also become wavy or curled, causing jams or resulting in the media coming into contact with the print head.

### Do not load media if the right and left edges are uneven.

If media is loaded and the right and left edges of the roll are uneven, media feeding problems may cause the media to move around during printing. Either rewind to align the edges or use a roll without any issues.



### Load in an order appropriate for the media to be used.

There are two ways to load media: The normal feeding procedure and the take-up feeding procedure.

When media is being loaded, the printer does operations such as feeding and rewinding the media to detect its width. When using the normal feeding procedure at this time, some problems, such as the media wrinkling on the platen, may occur depending on the type of media. These problems are caused when the media gets stuck to the platen.

If these problems occur, follow the take-up feeding procedure to load the media. In the take-up feeding procedure, the media is loaded to the Auto Take-up Reel Unit before feeding, to avoid it getting stuck to the platen and causing problems.

The take-up feeding procedure is often suitable for large capacity media, so we recommend following the take-up feeding procedure.

### Media that cannot be used

Do not use media that is folded, wrinkled, scuffed, torn, or dirty. The media could rise up and contact the printheads and damage them.

## Basic Operations

Example of media with folds or wrinkles at its edge



## Precautions When Handling Spindles

### **Caution:**

*Because spindles are heavy, they should be handled by two or more people. Dropping them, etc., could result in injury.*

**Use an air compressor suitable for the printer to secure the media.**

- Supply air from a commercially available air compressor from the valve to secure media to the spindle. Use an air compressor with a nozzle shape that matches the valve.
- Set the air pressure of the air compressor within a range of 0.45 to 1 MPa. There is a risk of problems, such as the media not being secured, if the setting is outside the range.

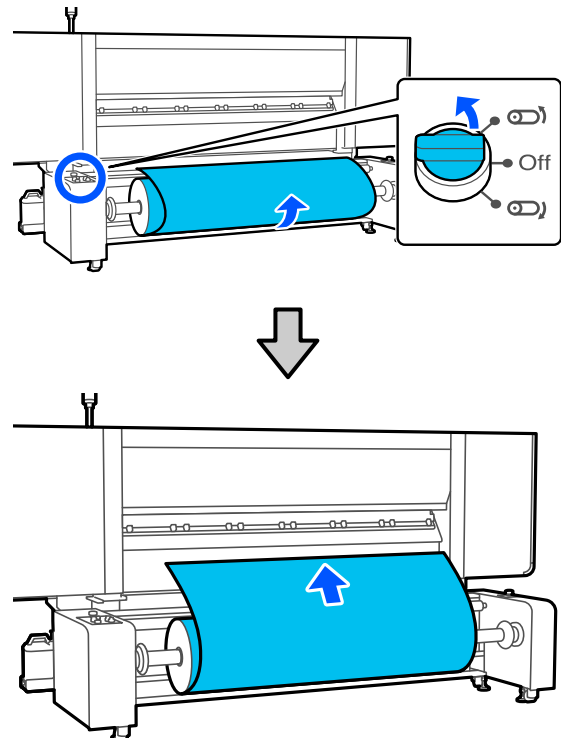
## How to pull out media manually when using the large capacity type of Media Feeding Unit

Let the media slacken before gripping and pulling on its leading edge to pull it from the roll, such as when loading media. The media may get torn if it is forcibly pulled out without slackening. To slacken the media, follow the steps in the following section to operate the buttons and switches.

### When working from the back side

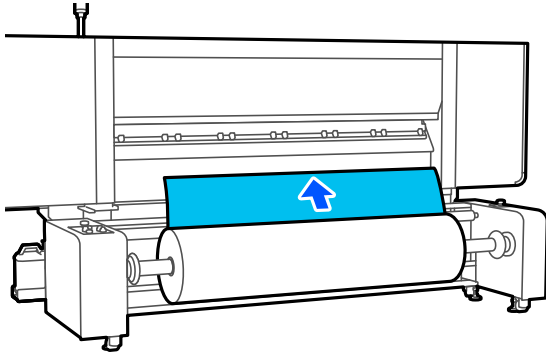
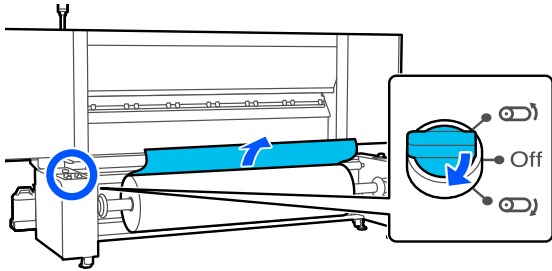
Use the Manual switch, on the Media Feeding Unit, to slacken the media before pulling it by hand.

**When the roll is printable side out**



## Basic Operations

### When the roll is printable side in



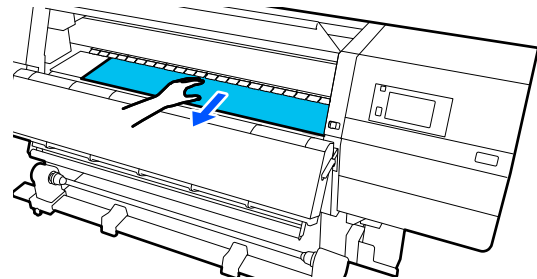
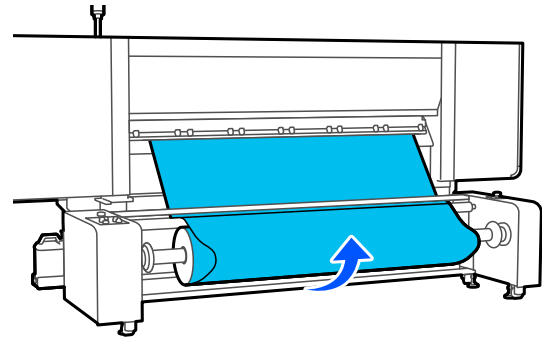
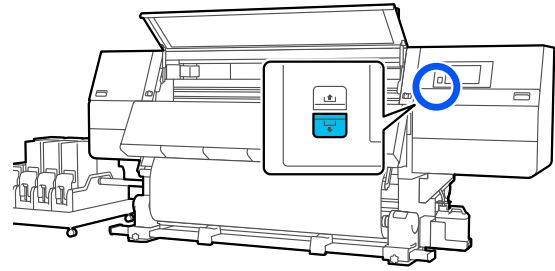
---

### When working from the front side

Do the following operations while the media loading lever is raised.

Use the media feed button or the media feed switch to slacken the media before pulling it by hand.

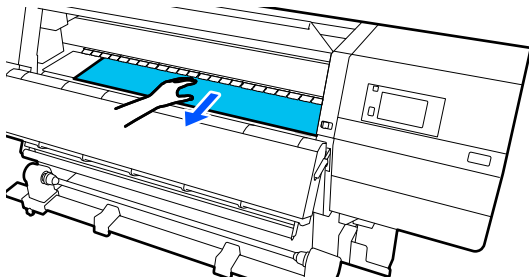
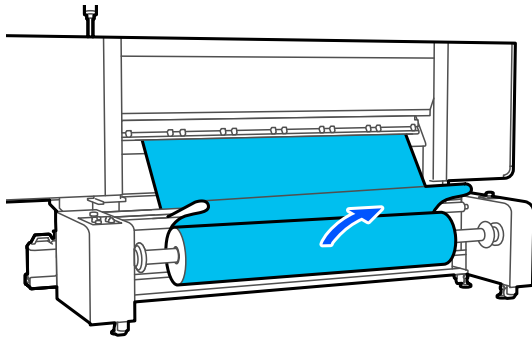
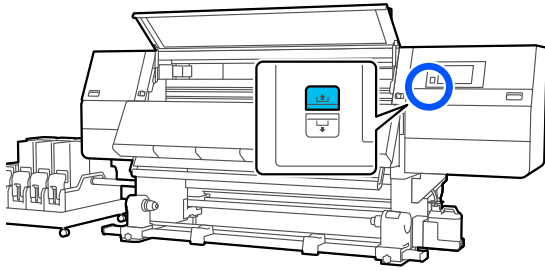
### When the roll is printable side out





## Basic Operations

When the roll is printable side in




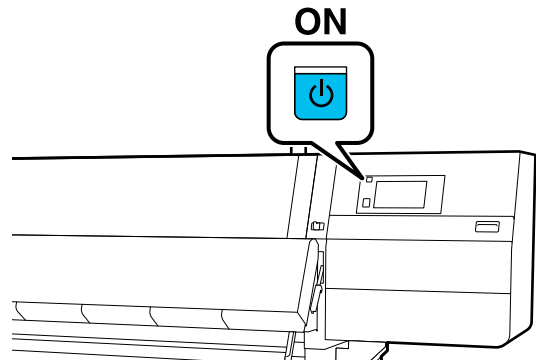
## Loading media

You can check the procedure in a video on YouTube.

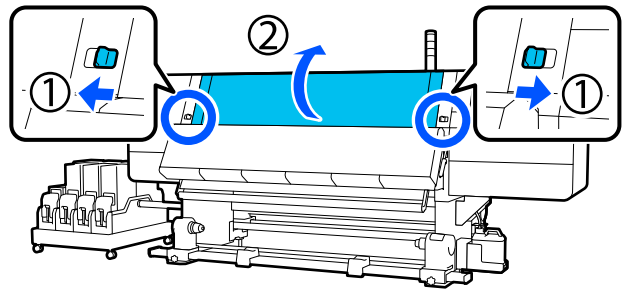
[Video Manual](#)

## Loading the standard type Media Feeding Unit

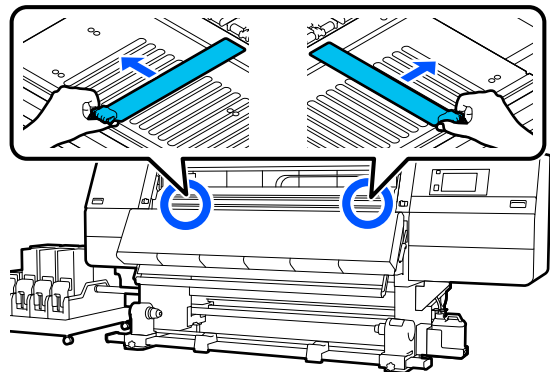
- 1 Press the  button and wait until the Home screen is displayed.



- 2 Move the lock lever on the left and right side outwards to open the front cover.

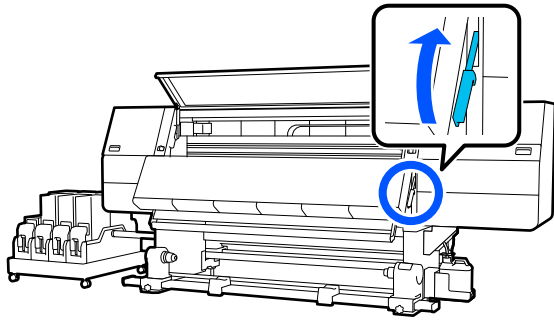


- 3 While holding the tabs of the media edge plate on both sides, move the plate out of the way toward both edges of the platen.

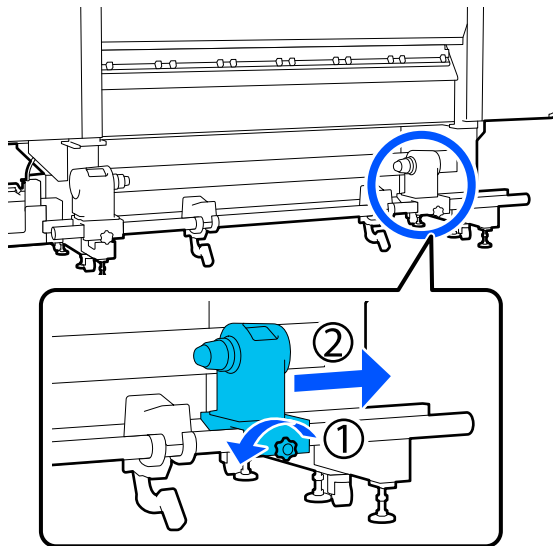


### Basic Operations

- 4** Raise the media loading lever.

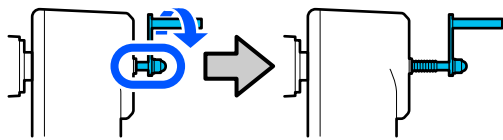


- 5** Move to the back side, and loosen the right media holder fixing screw to move the holder outwards.

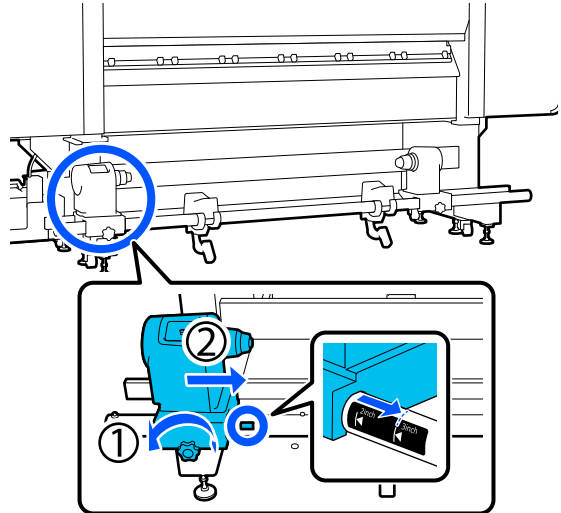


**!** **Important:**

*If the right holder handle shaft is not visible, rotate the handle forward until it stops. The media can not be properly loaded if the handle shaft is not visible.*

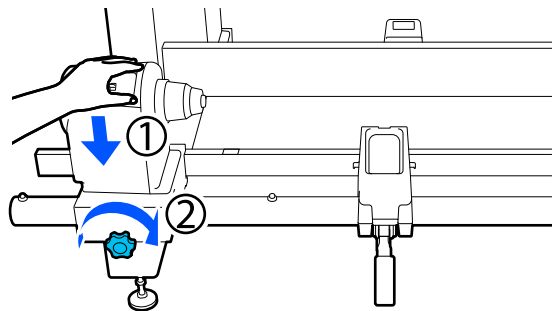


- 6** Loosen the left media holder fixing screw and move the media holder to the set position according to the inner diameter of the roll core of the media that will be loaded.

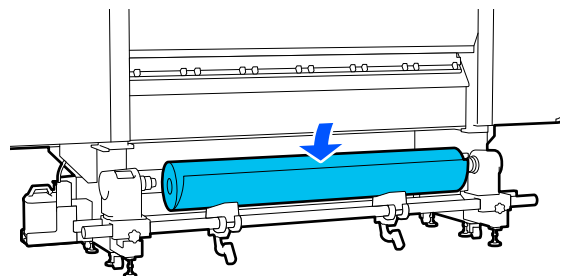


- 7** While pressing from the top of the media holder, tighten the fixing screw until it no longer turns.

Tighten it so the media holder does not move.



- 8** Place the media on the roll support. Have the roll support moved inward for about 20 cm (7.87 in.) from the roll end.

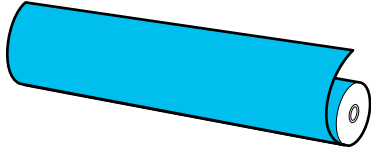


## Basic Operations

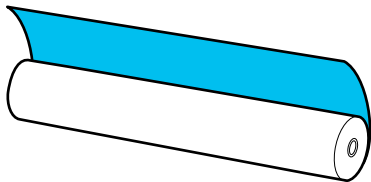
**Note:**

The method of placing varies as follows depending on how media is rolled.

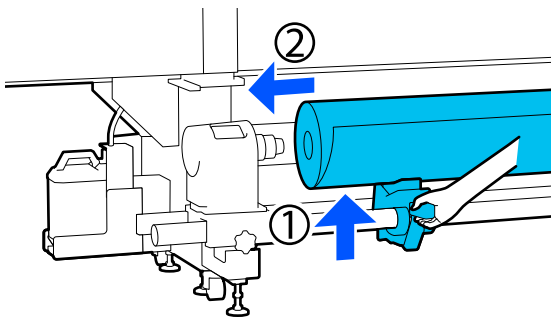
**Printable Side Out**



**Printable Side In**



- 9** While lifting the lift lever, move the roll support to the left, and firmly insert the roll core of the media onto the media holder.

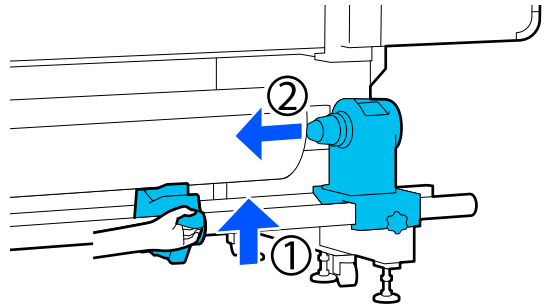


**Note:**

If the roll of media has an outer diameter that is less than 140 mm (5.51 in.), the roll core will not reach the media holder when raised using the lift lever.

Raise it with your hands, and insert the roll core into the media holder.

- 10** While lifting the right lift lever, firmly insert the media holder onto the roll core of the media.

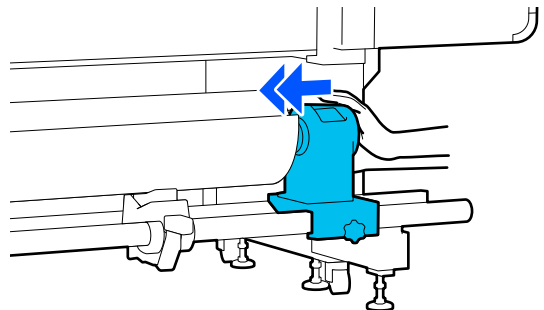


**Note:**

If the roll of media has an outer diameter that is less than 140 mm (5.51 in.), the roll core will not reach the media holder when raised using the lift lever.

Raise it with your hands, and insert the roll core into the media holder.

- 11** To ensure that the media holder is sufficiently inserted into the roll core, push the top of the media holder towards the end of the roll two times.



**! Important:**

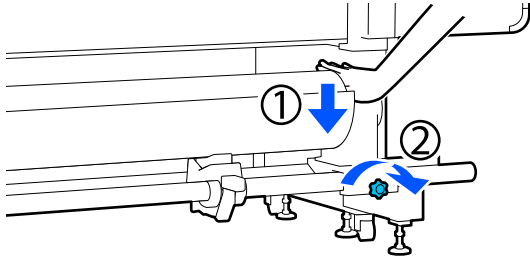
If the media holder is inserted into the roll core insufficiently, media is not fed correctly during printing because of slippage between the media holder and roll core.

This may cause banding in the print results.

**Basic Operations**

- 12** While pressing from the top of the media holder, tighten the fixing screw until it no longer turns.

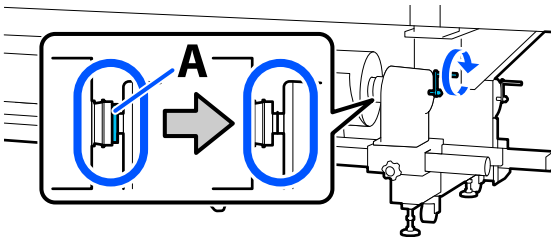
Tighten it so the media holder does not move.



**! Important:**

*If the media holder screw is loose, the media holder may move during printing. This could cause stripes and unevenness in the print results.*

- 13** Rotate the handle until part A in the illustration below is fully inserted.



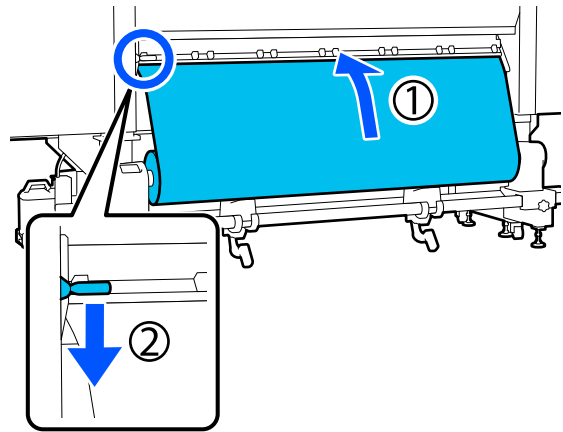
**! Important:**

*Once part A is hidden, do not turn the handle any further. Failure to observe this precaution could damage the media holder.*

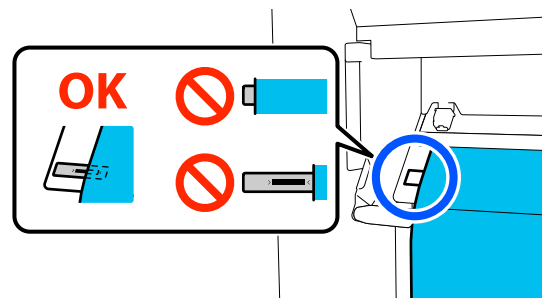
*If part A is still visible even after the handle has been turned fully, rewind the handle. Loosen the media holder screw on the right side, and then restart from Step 5.*

- 14** Insert the media approximately 20 cm (7.87 in.) into the opening, then lower the media loading lever.

The media that you inserted is clamped and does not fall out.



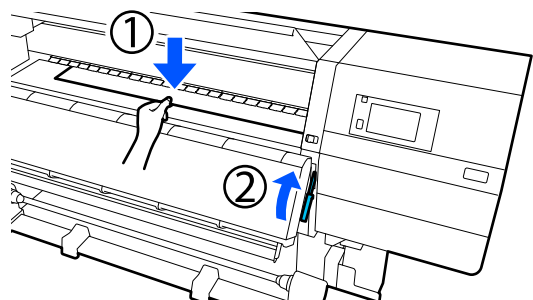
- 15** Confirm that the left edge of the media is within the range of the label's rectangle in the illustration below.



**! Important:**

*If the left edge of the media is not within the black square of the label, do Steps 6 to 15 in reverse to adjust the position of the media holder. Do not attempt to reposition the media holders while they are inserted in the media.*

- 16** Move to the front side, and while holding the media to keep it from falling down to the back side, lift the media loading lever.



## Basic Operations

**Note:**

You can change the media suction on the platen through the screen operation. Increasing the media suction lowers the possibility of media falling down.

If it is difficult to pull out the media in the following procedure, decrease the media suction. Change as required.

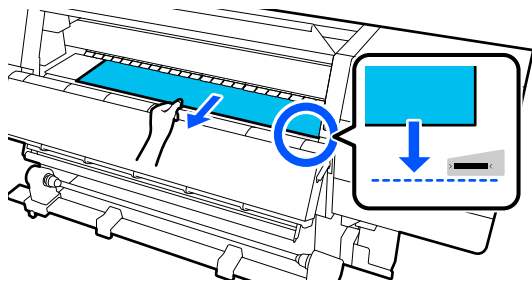
17

Pull out the media to the following position according to the feeding method suitable for the media.

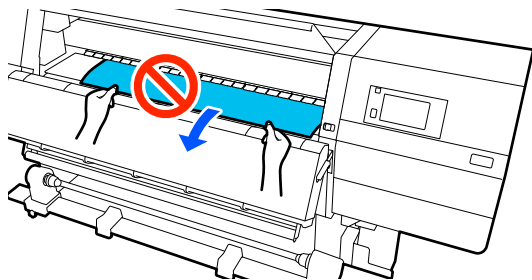
### Normal feeding procedure

Pull out the media to the near edge of the label on the platen.

Hold the center of the media in one hand, and pull it straight out.



Do not pull the media with both hands. This could cause the media to skew or move around.





### Take-up feeding procedure

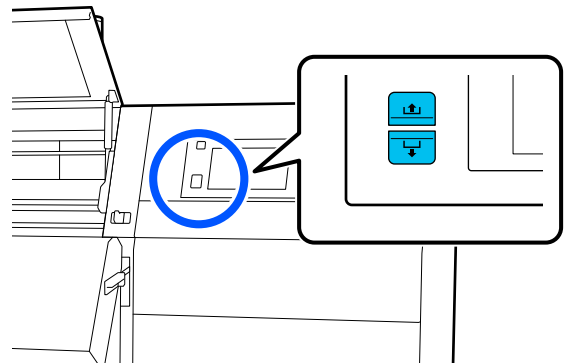
Pull out the media until it reaches the media holder.

Follow the steps below to pull out the media.

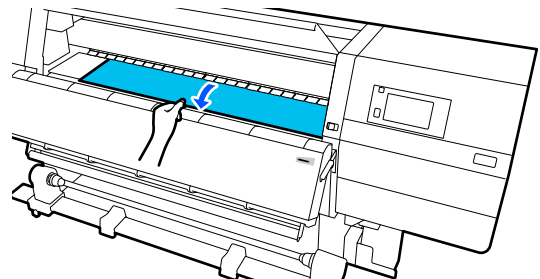
For each step given below, be sure to slacken the media before pulling it out. The media may get torn if it is forcibly pulled out without slackening.

To slacken the media, press the media feed button. When loading media, press  for printable side out, and press  for printable side in.

By doing so, the media that is loaded on the back side will rotate in the feeding direction and slacken.

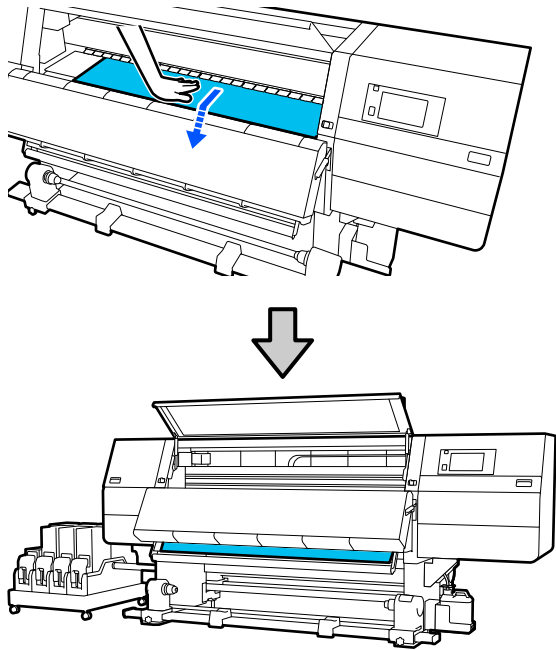


a. Hold the center of the media in one hand, pull it straight out, and insert its edge into the dryer.

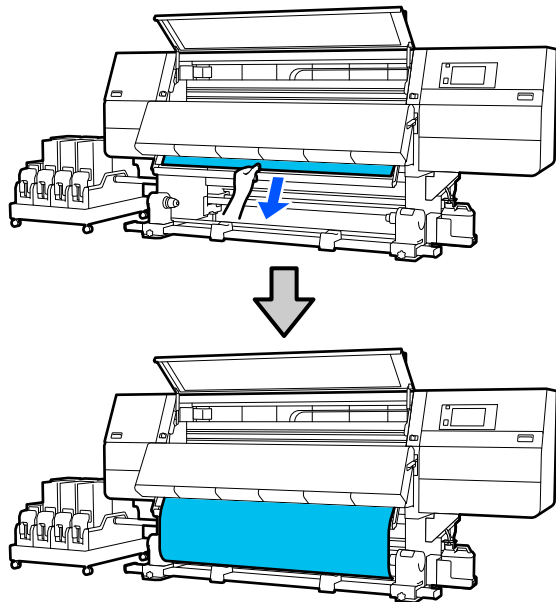


**Basic Operations**

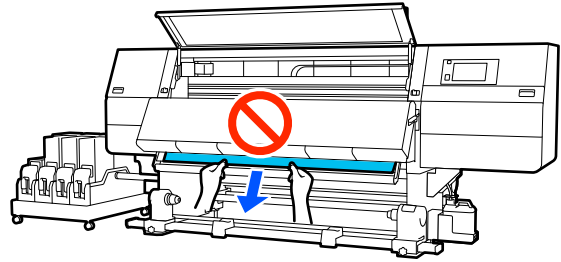
b. While holding the center of the media on the platen, pull it out by moving it toward yourself, until its edge comes out from the bottom of the dryer.



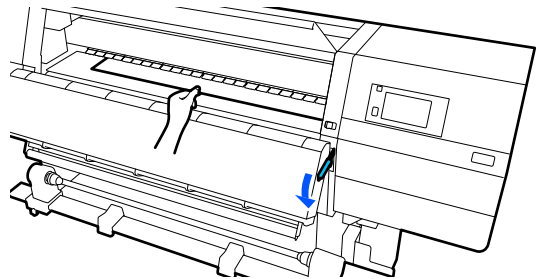
c. Hold the center of the media in one hand, and pull out the media until its edge reaches the media holder.



Do not pull the media with both hands. This could cause the media to skew or move around.



**18** Lower the media loading lever.



**Normal feeding procedure**

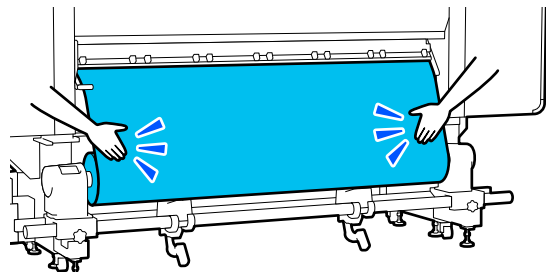
After lowering the media loading lever, move on to the next step.

**Take-up feeding procedure**

Lower the media loading lever, and then continue to attach the media to the Auto Take-up Reel Unit. While the front cover is open, see the following to attach media to the Auto Take-up Reel Unit.

 [“Using the Auto Take-up Reel Unit” on page 55](#)

**19** Move to the back side, tap lightly on both edges of the media, and check if there is a difference in tension between the left and right sides.



If there is a difference in tension, the media becomes loose.

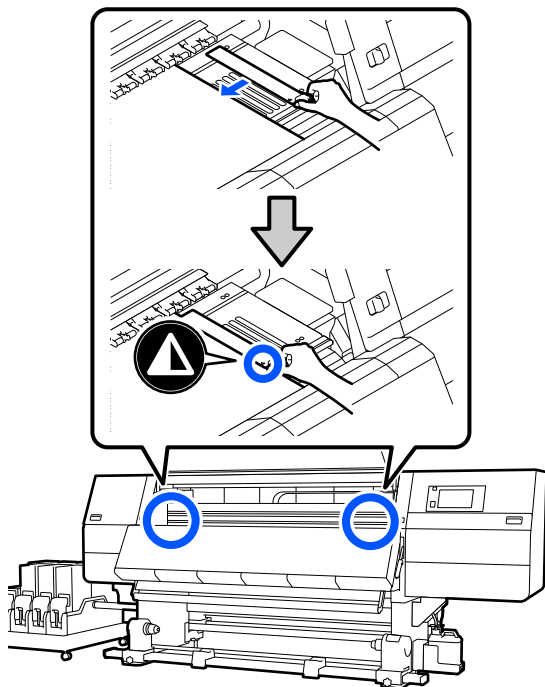
From the front of the printer, raise the media loading lever, and correct the looseness in the media.

**Basic Operations**

Once the looseness is corrected, lower the media loading lever.

**20** Move to the front side, and while holding the tabs of the media edge plate on both sides, move the plate to the top edge of the media. Adjust so that the edges of the media are aligned with the center of the triangular holes in the media edge plates.

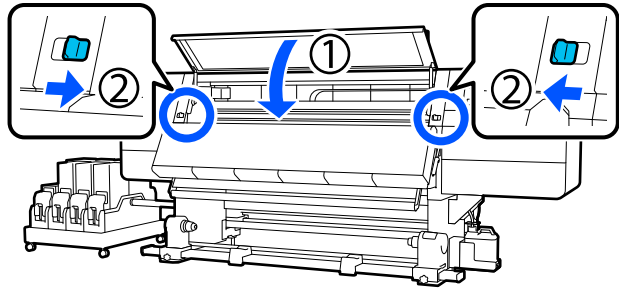
The media edge plates prevent the media from riding up and keep fibers on the cut edge of the media from touching the print head. Load correctly.



**! Important:**

- Do not use the media edge plates with media that is 0.4 mm (0.01 in.) or more thick. The media edge plates could touch and damage the print head.
- Always position the plates so that the edges of the media are at the centers of the triangular holes. Incorrect positioning causes banding (horizontal banding, tint unevenness, or stripes) during printing.
- Move the media edge plates to the left and right edges of the platen when they are not in use.
- Do not use the media edge plates if the sides of the printed media are smudged.

**21** Close the front cover, and then move the left and right lock levers inward.



**22** Set the media information on the screen, and press **OK**.

Do the following settings here.

- Media: Set the media to use for printing
- Roll Winding Direction: How to wind the loaded media
- Media Length: Length of the loaded media
- Media Detection: How to detect the width of the media

Media is set in the following way.

**When there are no registered media settings for the loaded media**

First, select an unregistered number.

There is no Media Type set for an unregistered number, so the screen to select Media Type appears. Select the Media Type using the paper weight of the loaded media as a guideline as shown below. The paper weights of each Media Type shown in the screen are typical values.

Media Type	Paperweight (g/m <sup>2</sup> )
Ultra-Thin	39 or under
Thin	40 to 56
Med-Thick	57 to 89
Thick	90 or over

**When there are registered media settings/EMX file is downloaded and registered for the loaded media**

Choose a registered media number.

In **Media Detection**, set **Width Detection**. Normally, leave this **On**.

### Basic Operations


See the *User's Guide* in the *Online Manual* for details about Media Detection.

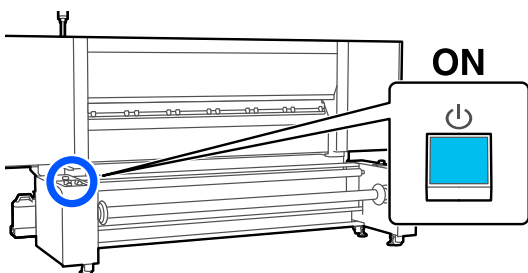
Press **OK**, to start operations, such as detecting the loaded media.


- 23** Follow the on-screen instructions to forward the edge of the media to the given position as necessary.

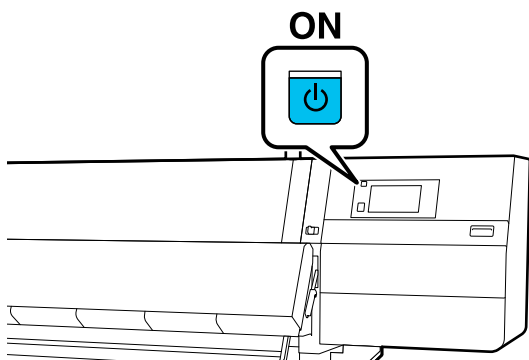
## Loading the large capacity type Media Feeding Unit

We recommend having 2 people work together to load media. The work is easier to do if they stand so one is on the left and the other on the right as they pass the media through the rollers.

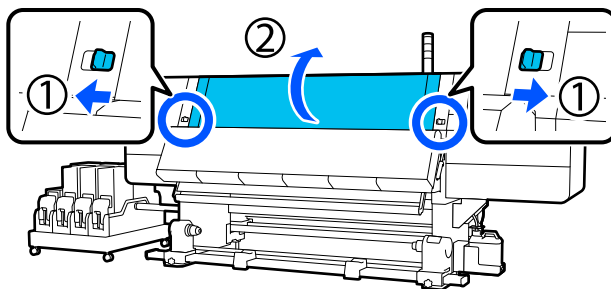
- 1** Press the  button on the media feeding unit to turn on the power.



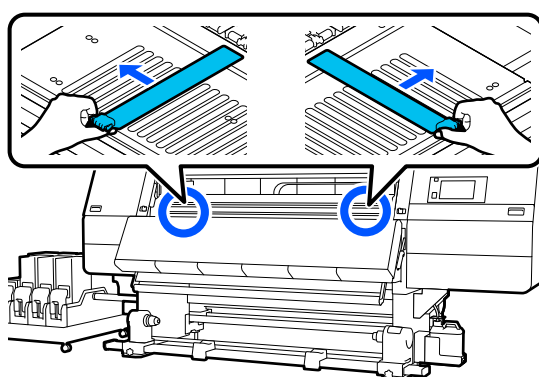
- 2** Press the  button and wait until the Home screen is displayed.



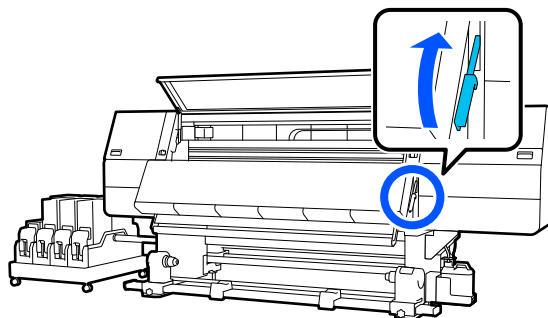
- 3** Move the lock levers on the left and right sides outwards to open the front cover.



- 4** While holding the tabs of the media edge plate on both sides, move the plate out of the way toward both edges of the platen.



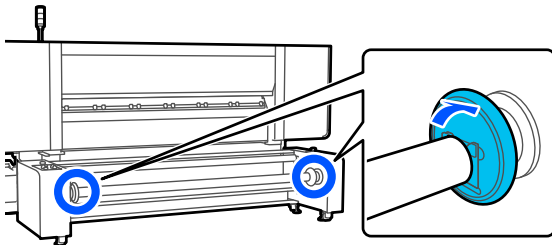
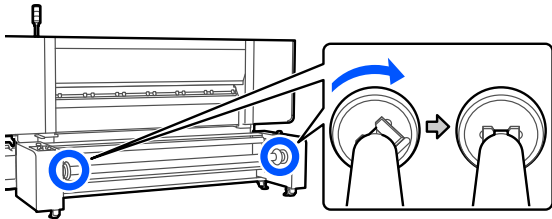
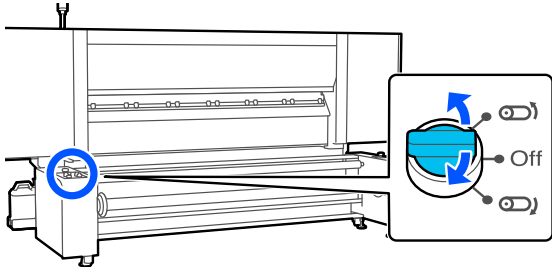
- 5** Raise the media loading lever.



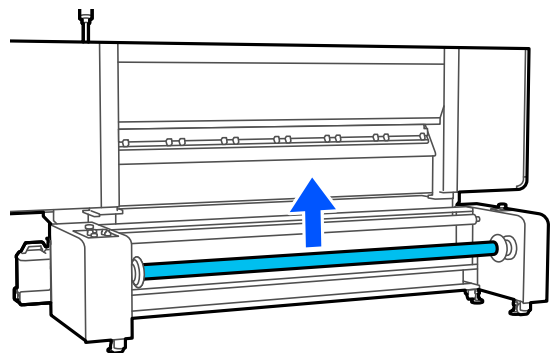


**Basic Operations**

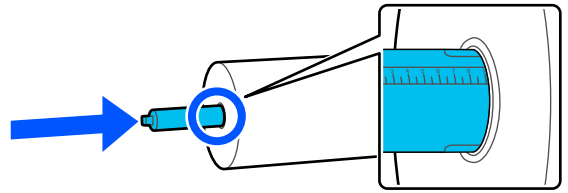
- 6** Move to the back side, use the Manual switch to rotate the spindle to face as shown in the illustration, then lower the handles on both sides outward.



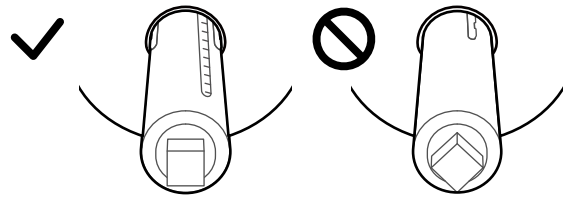
- 7** Remove the spindle.



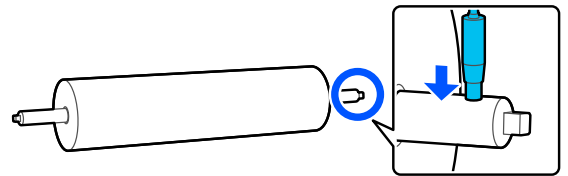
- 8** Insert the spindle into the paper core up to about 9 cm on the scale of the spindle (on the side with the printer's control panel).



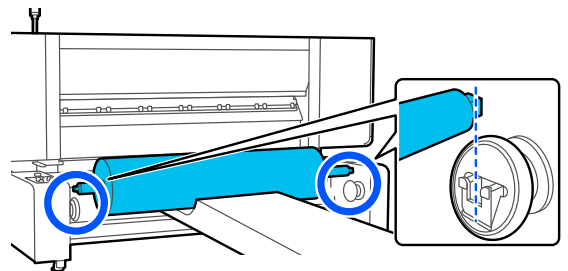
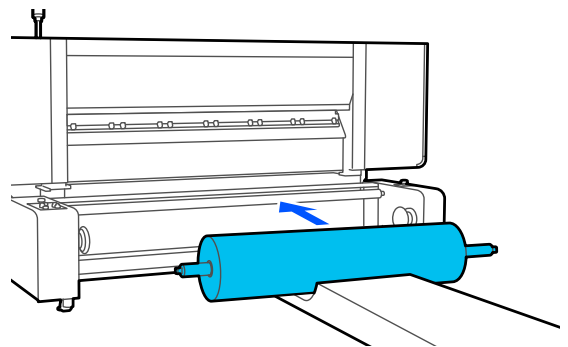
Face the spindle as shown in the illustration.



- 9** Put air into the spindle from the valve until the air stops going in.



- 10** Move the media to the position shown in the illustration.

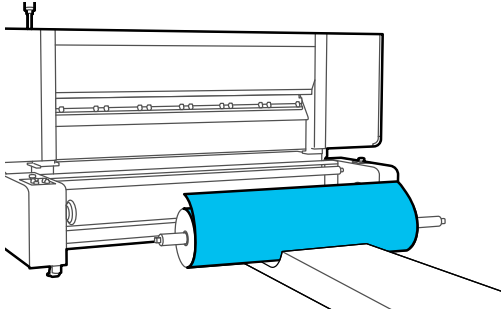


**Basic Operations**

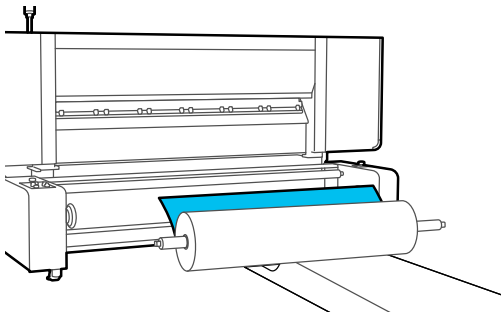
**Note:**

The method of placing varies as follows depending on how media is rolled.

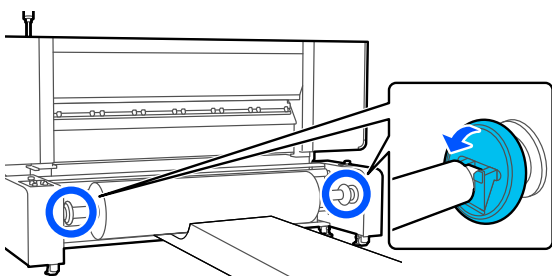
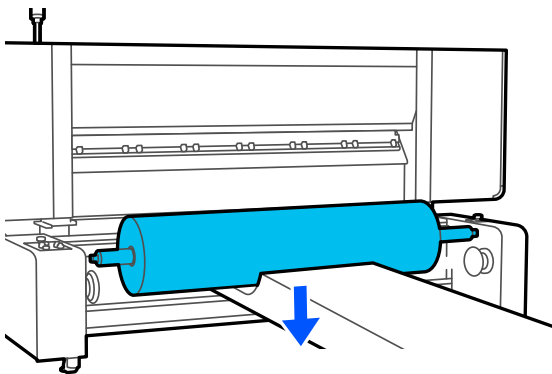
**Printable Side Out**



**Printable Side In**

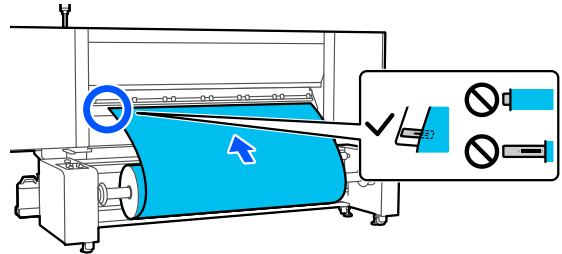


- 11** Lower the media and put the spindle in the socket, then raise the handles on both sides.



- 12** Pull out a little of the media to confirm that the left edge of the media is within the range of the label's rectangle in the illustration below.

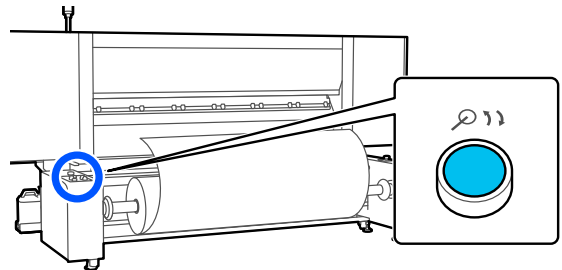
☞ “How to pull out media manually when using the large capacity type of Media Feeding Unit” on page 39



**! Important:**

If it is outside the range, do the procedure again from installation of the spindle.

- 13** Press the Release Button and raise the tension bar.

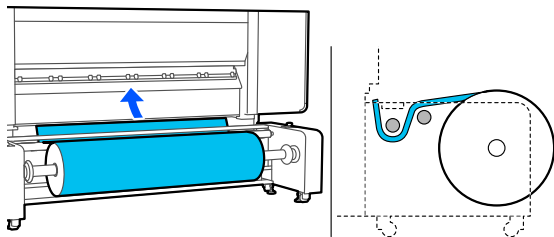
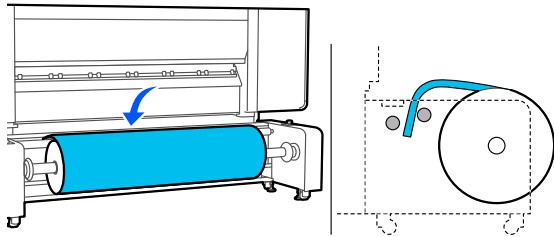


- 14** As you pull out the media, pass it through the rollers as shown in the illustration.

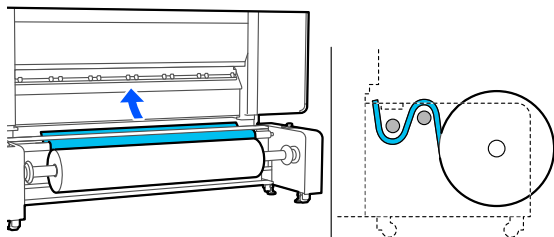
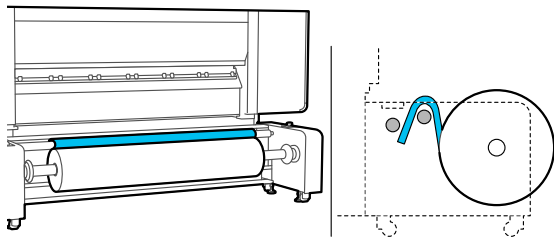
☞ “How to pull out media manually when using the large capacity type of Media Feeding Unit” on page 39

**Basic Operations**

**Printable Side Out**

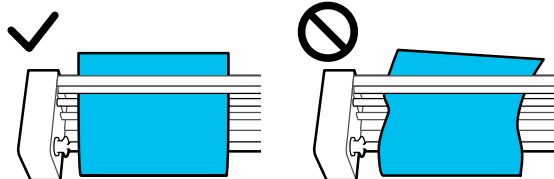


**Printable Side In**

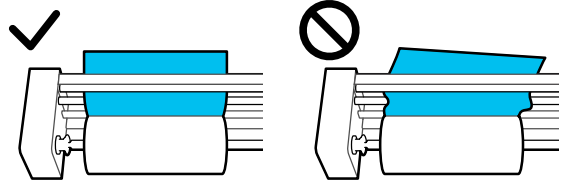


Pass the media straight through so it does not skew.

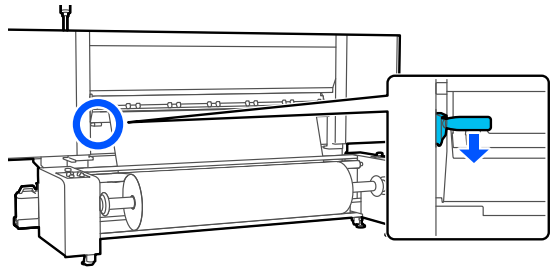
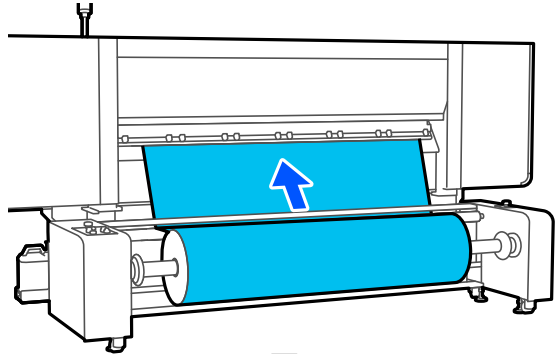
**Printable Side Out**



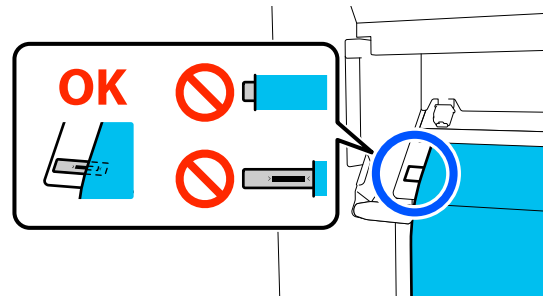
**Printable Side In**



**15** Insert the leading edge of the media approximately 20 cm into the opening, then lower the media loading lever.



**16** Confirm that the left edge of the media is within the range of the label's rectangle.

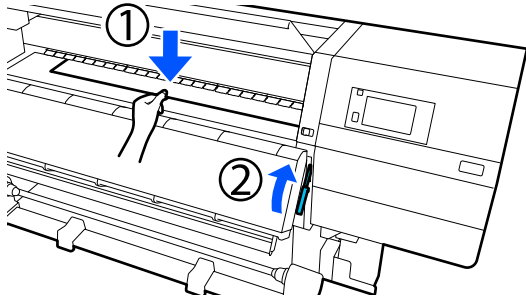


**Important:**

*If it is outside the range, do the procedure again from passing the media through the rollers.*

## Basic Operations

- 17** Move to the front side, and while holding the media to keep it from falling down to the back side, lift the media loading lever.



**Note:**

You can change the media suction on the platen through the screen operation. Increasing the media suction lowers the possibility of media falling down.

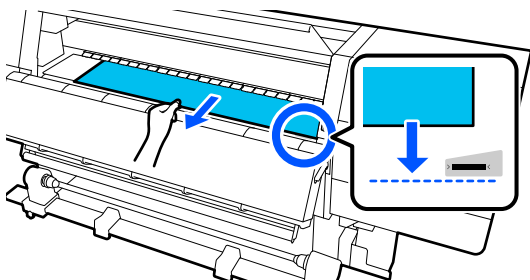
If it is difficult to pull out the media in the following procedure, decrease the media suction. Change as required.

- 18** Pull out the media to the following position according to the feeding method suitable for the media.

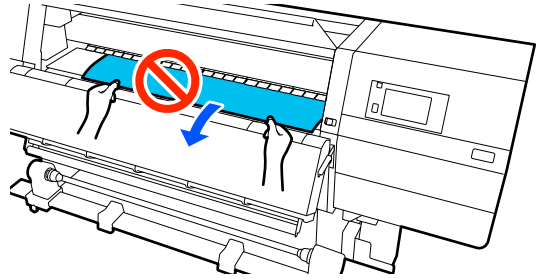
“How to pull out media manually when using the large capacity type of Media Feeding Unit” on page 39

**Normal feeding procedure**

Pull out the media to the near edge of the label on the platen.  
Hold the center of the media in one hand, and pull it straight out.



Do not pull the media with both hands. This could cause the media to skew or move around.



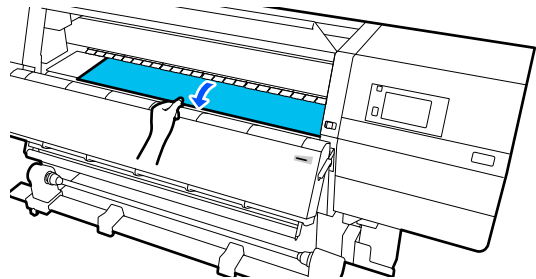
After pulling out the media, move on to the next step.

**Take-up feeding procedure**

Pull out the media until it reaches the media holder.

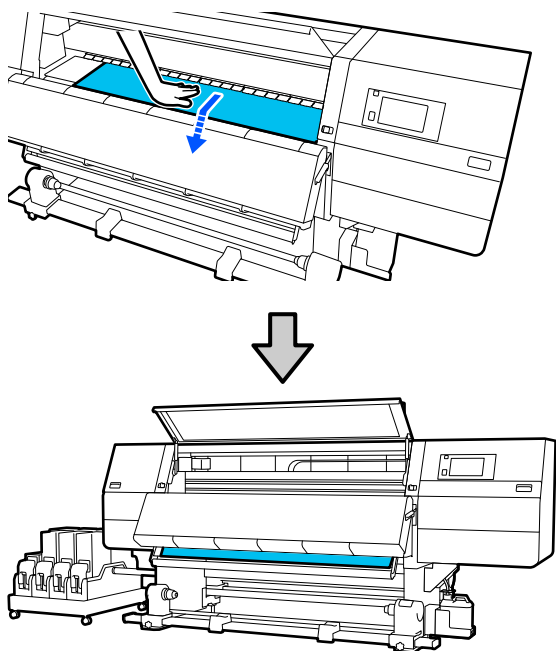
While slackening the media, follow the steps below to pull out the media.

- a. Hold the center of the media in one hand, pull it straight out, and insert its edge into the dryer.



### Basic Operations

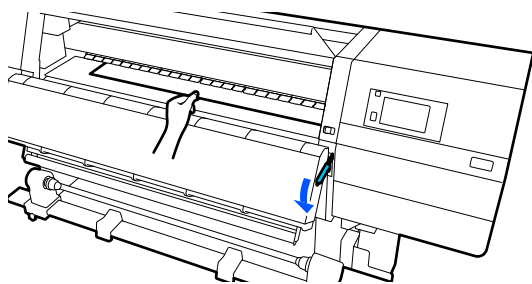
b. While holding the center of the media on the platen, pull it out by moving it toward yourself, until its edge comes out from the bottom of the dryer.



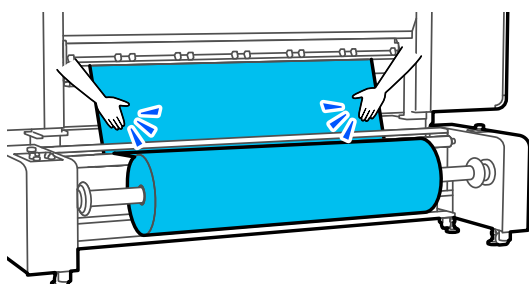
Then, attach the media to the Auto Take-up Reel Unit. While the front cover is open, see the following to attach media to the Auto Take-up Reel Unit.

[“Using the Auto Take-up Reel Unit” on page 55](#)

**19** Lower the media loading lever.



**20** Move to the back side, tap lightly on both edges of the media, and check if there is a difference in tension between the left and right sides.

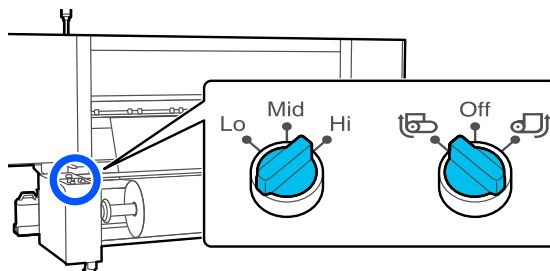


If there is a difference in tension, the media becomes loose.

From the front of the printer, raise the media loading lever, and correct the looseness in the media.

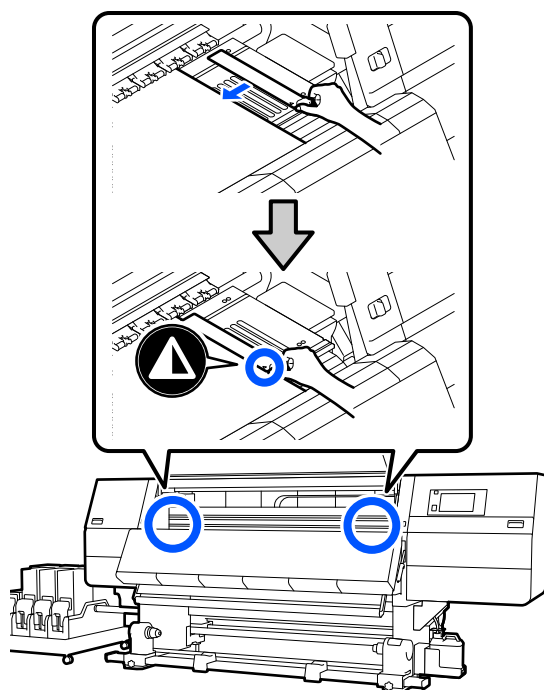
Once the looseness is corrected, lower the media loading lever.

**21** Confirm that the Auto switch and the load switch are set according to the loaded media.



**22** Move to the front side, and while holding the tabs of the media edge plate on both sides, move the plate to the top edge of the media. Adjust so that the edges of the media are aligned with the center of the triangular holes in the media edge plates.

The media edge plates prevent the media from riding up and keep fibers on the cut edge of the media from touching the print head. Load correctly.

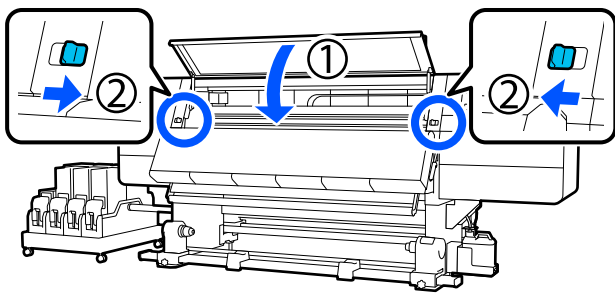


**Basic Operations**

**Important:**

- Do not use the media edge plates with media that is 0.4 mm (0.01 in.) or more thick. The media edge plates could touch and damage the print head.
- Always position the plates so that the edges of the media are at the centers of the triangular holes. Incorrect positioning causes banding (horizontal banding, tint unevenness, or stripes) during printing.
- Move the media edge plates to the left and right edges of the platen when they are not in use.
- Do not use the media edge plates if the sides of the printed media are smudged.

**23** Close the front cover, and then move the left and right lock levers inward.



**24** Set the media information on the screen, and press **OK**.

Do the following settings here.

- Media: Set the media to use for printing
- Roll Winding Direction: How to wind the loaded media
- Media Length: Length of the loaded media
- Media Detection: How to detect the width of the media

Media is set in the following way.

**When there are no registered media settings for the loaded media**

First, select an unregistered number.

There is no Media Type set for an unregistered number, so the screen to select Media Type appears. Select the Media Type using the paper weight of the loaded media as a guideline as shown below. The paper weights of each Media Type shown in the screen are typical values.

Media Type	Paperweight (g/m <sup>2</sup> )
Ultra-Thin	39 or under
Thin	40 to 56
Med-Thick	57 to 89
Thick	90 or over

**When there are registered media settings/EMX file is downloaded and registered for the loaded media**

Choose a registered media number.

In **Media Detection**, set **Width Detection**. Normally, leave this **On**.

See the *User's Guide* in the *Online Manual* for details about Media Detection.

Press **OK**, to start operations, such as detecting the loaded media.

**25** Follow the on-screen instructions to forward the edge of the media to the given position as necessary.

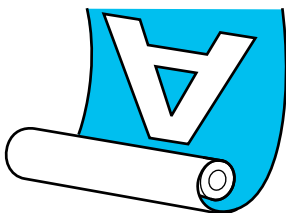
## Basic Operations

# Using the Auto Take-up Reel Unit

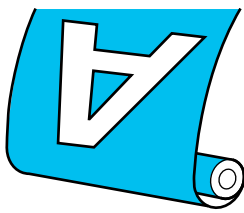
The Auto Take-up Reel Unit automatically takes up media as it is printed, improving the efficiency of unmanned operation.

The Auto Take-up Reel Unit for this printer can take up media in either of the following directions.

Printed side in



Printed side out



Taking-up with printed side in places the printed surface on the inside of the roll. "Printed side in" is recommended in most situations.

Taking-up with printed side out places the printed surface on the outside of the roll.

You can check the procedure in a video on YouTube.

### Video Manual

#### **Caution:**

- ❑ Follow the instructions in the manual when loading media or roll cores or removing media from the take-up roll. Dropping media, roll cores, or take-up rolls could result in injury.
- ❑ Be sure that your hands or hair do not get caught in the Media Feeding Unit or Auto Take-up Reel Unit while it is operating. Failure to observe these precautions could result in injury.
- ❑ Do not put your hand inside the dryer. Failure to observe the necessary precautions could result in burns.

## Important points for correct take-up

Observe the following points for correct take-up of media.

- ❑ We recommend using a take-up roll core with the same width as the media. If a take-up roll core of a different width is used, the take-up roll core may bend, and the media will be taken up incorrectly.
- ❑ We recommend "printed side in" for the take-up of media. "Printed side out" may cause the media to move around and create a large misalignment with the roll. When take-up cannot be done correctly with "printed side out", do take-up using "printed side in".
- ❑ Media smaller than 36 inches wide may move around and be taken up incorrectly.
- ❑ Do not attach take-up roll cores like the ones shown in the following figure. The take-up tension will be uneven and the core will spin loosely. As a result, the paper cannot wind correctly, which may cause banding in the print results.

Edges are worn



Deformed



**Basic Operations**

**Using the Standard Type Auto Take-up Reel Unit**

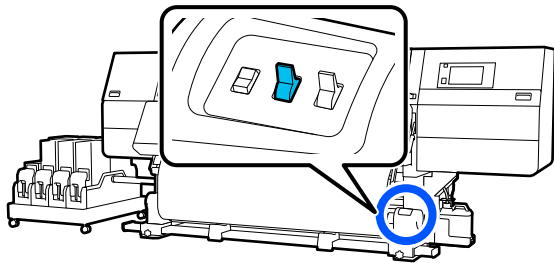
**Attaching the Roll Core**

**What You'll Need**

- ❑ Take-up roll core that is the same width as the media
- ❑ Commercially available adhesive tape

**Loading**

**1** Set the Auto switch to Off.

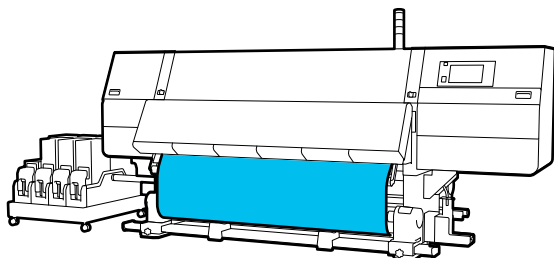
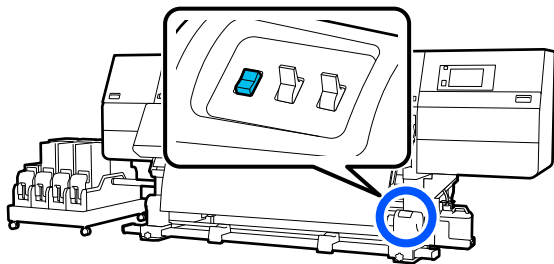


**2** Confirm that the edge of the media is touching the media holder.

If not, follow the procedure below to have the edge of the media touch the media holder.

**Normal feeding procedure**

Hold down the near side of the media feed switch until the edge of the media reaches the media holder.



**! Important:**

*Always press the media feed switch to feed the media. If the media is pulled by hand, the media may twist during take-up.*

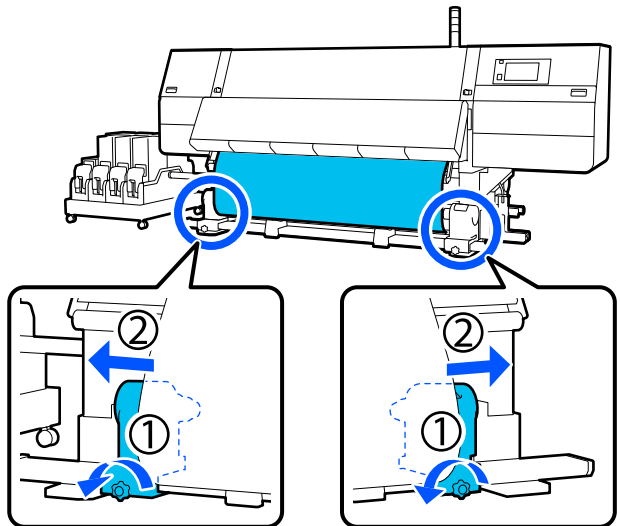
**Take-up feeding procedure**

Follow the Steps 16 to 18 of "Loading media" to pull out the media until its edge reaches the media holder.

"Loading media" on page 41

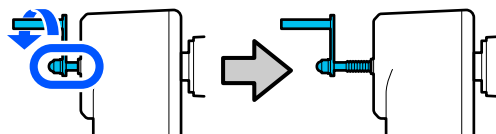
**3** Loosen the media holder fixing screws on both sides and adjust the media holders so that the distance between the two is wider than the media.

If the roll supports are not positioned evenly, move them so that they are even.



**! Important:**

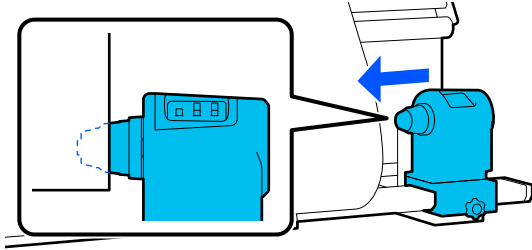
*If the left-side media holder handle's shaft is not visible, rotate the handle as shown in the illustration until it stops. The roll core cannot be properly loaded if the handle's shaft is not visible.*



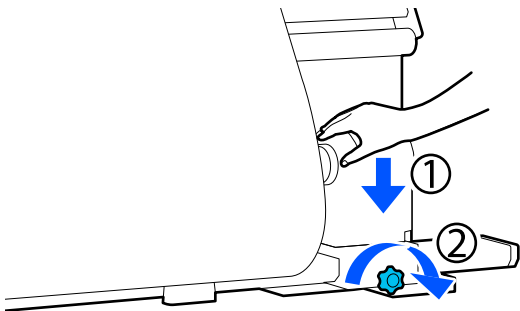


### Basic Operations

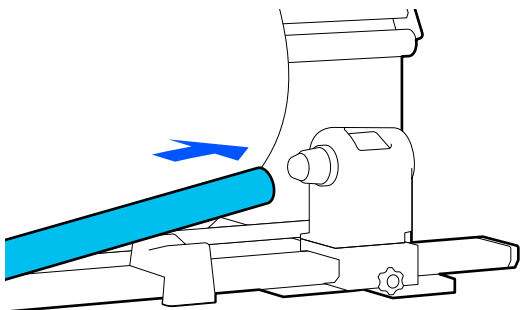
- 4** Align and move the right-side media holder to the right edge of the media.



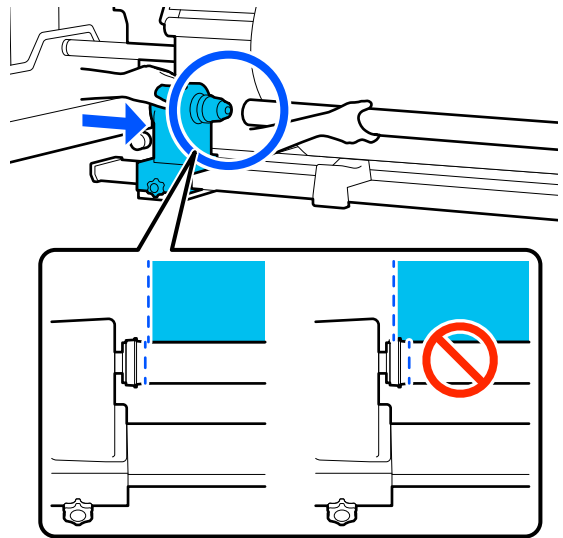
- 5** While pressing from the top of the media holder, tighten the fixing screw in place.



- 6** Insert the roll core onto the right-side media holder.



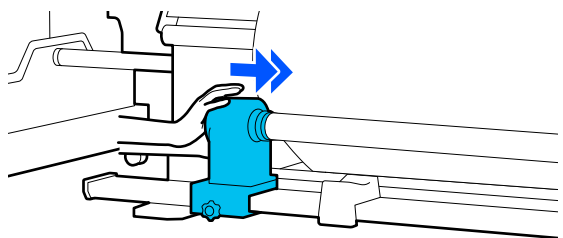
- 7** Check that the left-side media holder is fully inserted into the roll core and that the roll core and edges of the media are not misaligned.



**!** **Important:**

*If the edges of the media are misaligned, the media cannot be taken up correctly. If the edges are misaligned, loosen the fixing screw for the right-side media holder, and then restart from Step 4.*

- 8** To ensure that the media holder is sufficiently inserted into the roll core, push the top of the media holder towards the end of the roll two times.



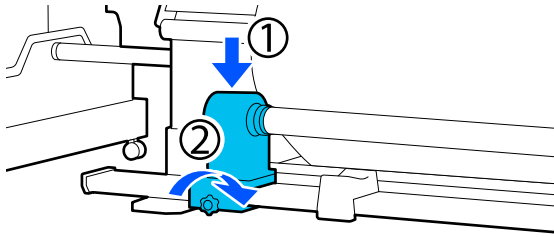
**!** **Important:**

*If the media holder is inserted into the roll core insufficiently, media is not fed correctly during printing because of slippage between the media holder and roll core.*

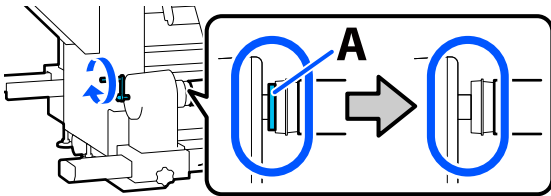
*This may cause banding in the print results.*

## Basic Operations

- 9** While pressing from the top of the media holder, tighten the fixing screw.  
Tighten it so the media holder does not move.



- 10** Rotate the handle until part A in the illustration below is fully inserted.



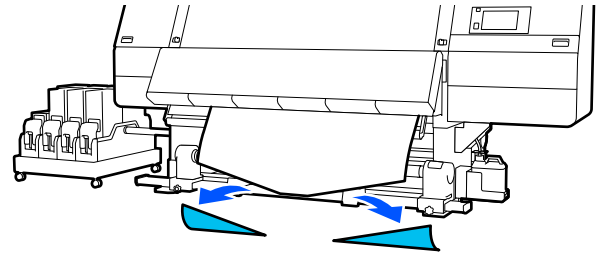
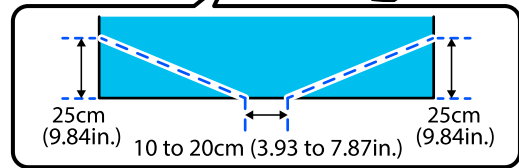
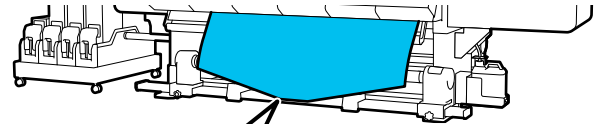
**! Important:**

Once part A is hidden, do not turn the handle any further. Failure to observe this precaution could damage the media holder.

If part A is still visible even after the handle has been turned fully, rewind the handle. Loosen the media holder screw on the right side, and then restart from Step 5.

- 11** Leave a 10 to 20 cm (3.93 to 7.87 in.) wide section in the center of the media, and cut at least 25 cm (9.84 in.) in height from the left and right corners of the media.

Cutting the media prevents feeding problems, such as the left and right corners of media being folded and caught at the start of take-up.



Next, see the following according to the procedure.

Normal feeding procedure

☞ [“Take-up with the Normal Feeding Procedure” on page 59](#)

Take-up feeding procedure

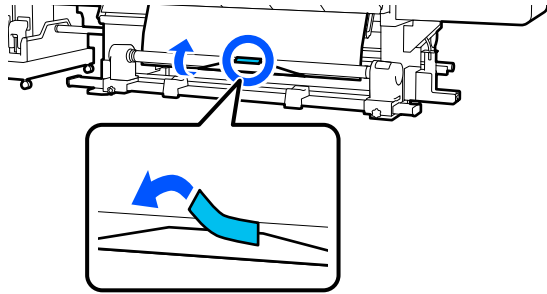
☞ [“Take-up with the Take-Up Feeding Procedure” on page 61](#)

## Basic Operations

### Take-up with the Normal Feeding Procedure

#### Printed side in

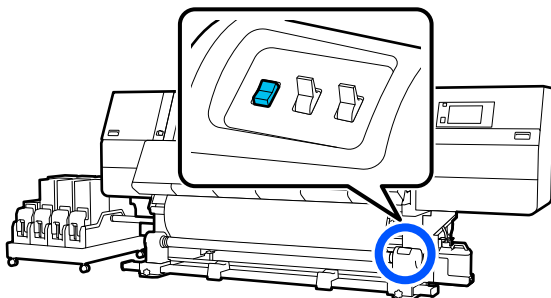
- 1 While pulling the center of the media straight down, wrap it around the roll core from back to front, and affix it using commercially available adhesive tape.



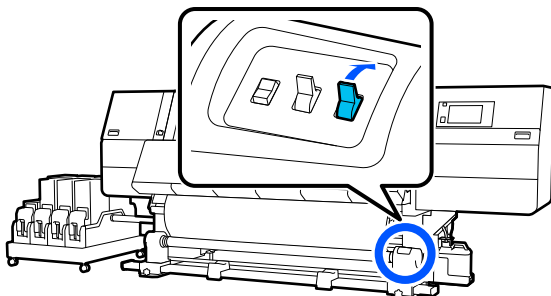
**! Important:**


Affix the media to the take-up roll core with the media pulled tightly. If media is affixed loosely, the media may move around during take-up.

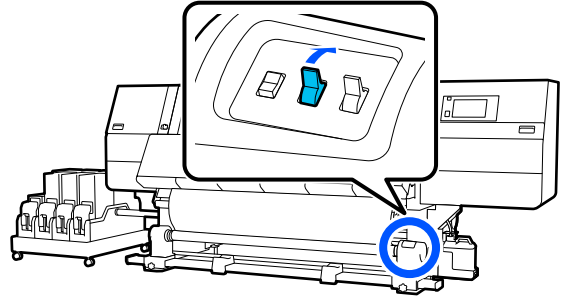
- 2 Hold down the near side of the media feed switch to feed enough media for a single wrap around the take-up roll core.



- 3 Hold down the Manual switch on the side to take-up the media for a single wrap around the core.

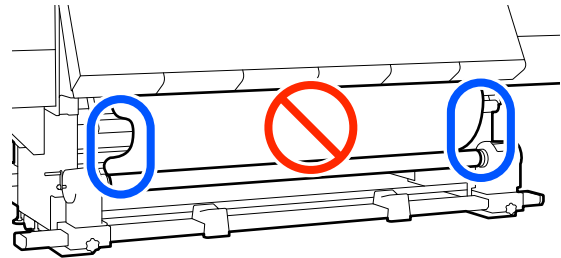


- 4 Flip the Auto switch to .



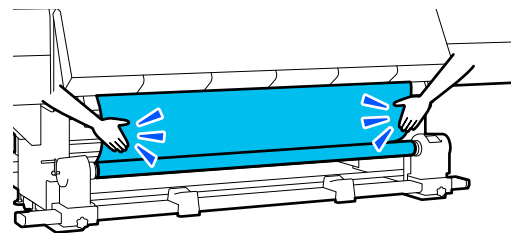
- 5 Confirm that the media is attached without looseness.

If the tension on the left and right of the media is different in the areas shown in the illustration below, the media will not be taken up correctly. When one side is loose, restart the procedure from Step 1.

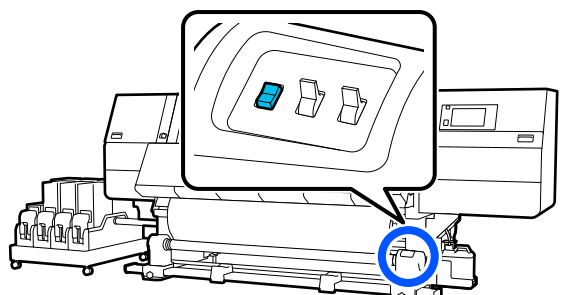


**Note:**

You can confirm differences in tension by lightly tapping both edges of the media as shown in the illustration below.



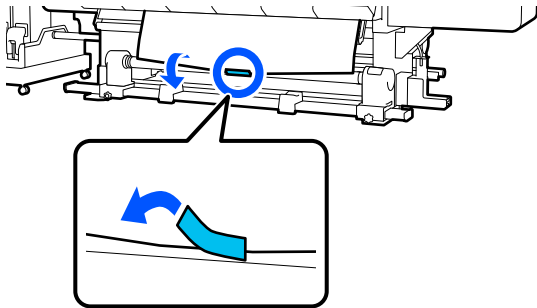
- 6 Hold down the near side of the media feed switch until both edges of the media are taken up and wrap around the core once or twice.



## Basic Operations

### Printed side out

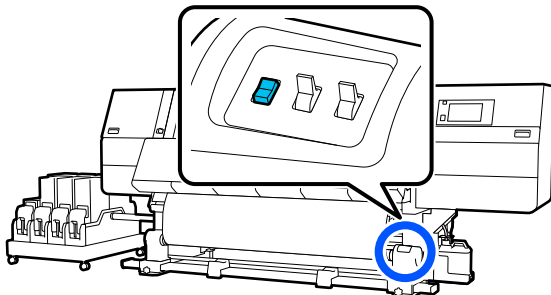
- 1** While pulling the center section of the media straight down, affix the media to the take up roll core with commercially available adhesive tape.



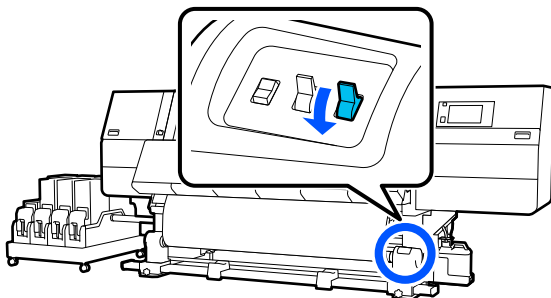
**! Important:**


*Affix the media to the take-up roll core with the media pulled tightly. If media is affixed loosely, the media may move around during take-up.*

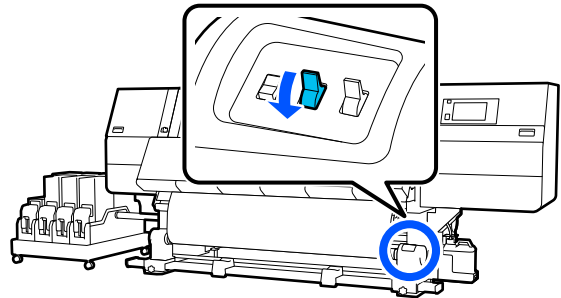
- 2** Hold down the near side of the media feed switch to feed enough media for a single wrap around the take-up roll core.



- 3** Hold down the Manual switch on the side to take-up the media for a single wrap around the core.

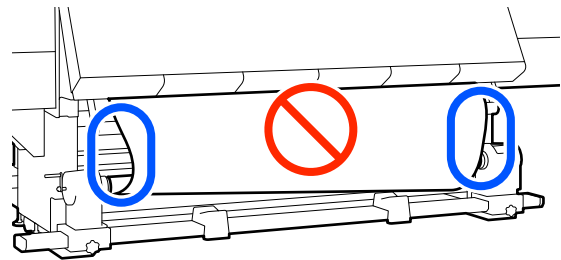


- 4** Flip the Auto switch to .



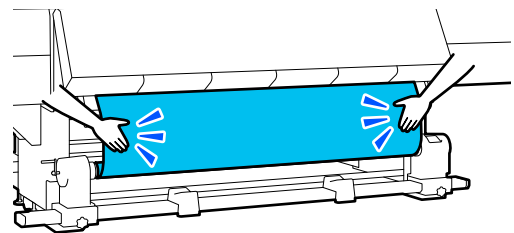
- 5** Confirm that the media is attached without looseness.

If the tension on the left and right of the media is different in the areas shown in the illustration below, the media will not be taken up correctly. When one side is loose, restart the procedure from Step 1.

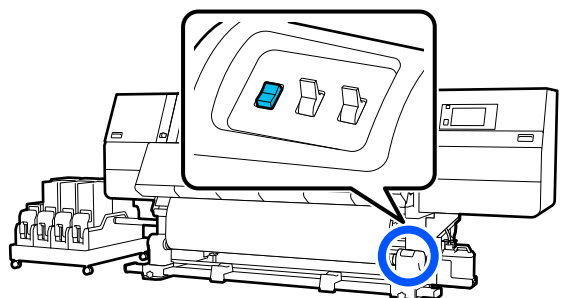


**Note:**

*You can confirm differences in tension by lightly tapping both edges of the media as shown in the illustration below.*



- 6** Hold down the near side of the media feed switch until both edges of the media are taken up and wrap around the core once or twice.

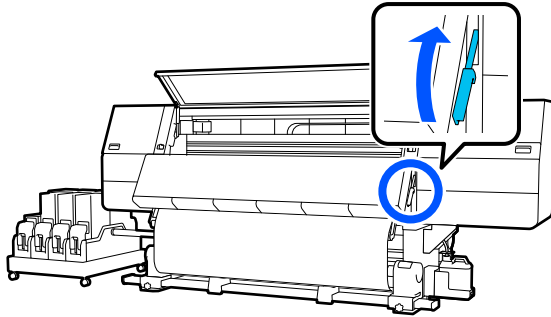


## Basic Operations

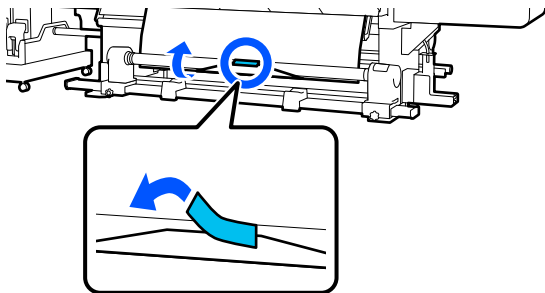
### Take-up with the Take-Up Feeding Procedure

#### Printed side in

- 1 Confirm that the front cover is open.
- 2 Raise the media loading lever.





- 3 While pulling the center of the media straight down, wrap it around the roll core from back to front, and affix it using commercially available adhesive tape.

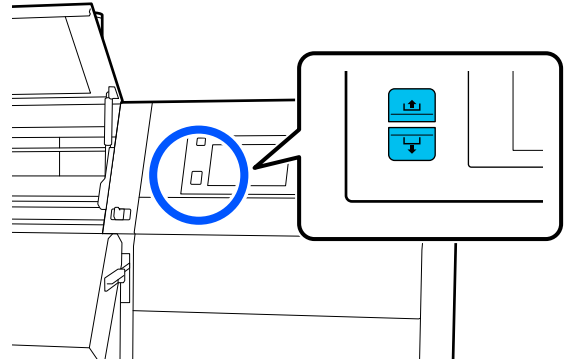


**!** **Important:**

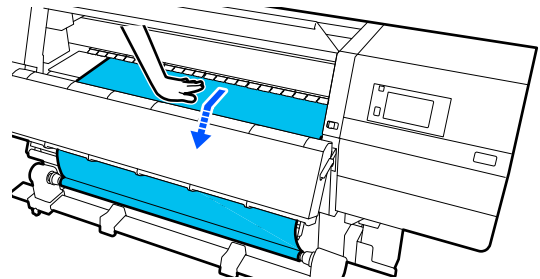
*Affix the media to the take-up roll core with the media pulled tightly. If media is affixed loosely, the media may move around during take-up.*


- 4 Repeat the following procedure and take-up the media for a double wrap around the roll core.
  - a. Hold the media feed button pressed to slightly slacken the media at the back side.

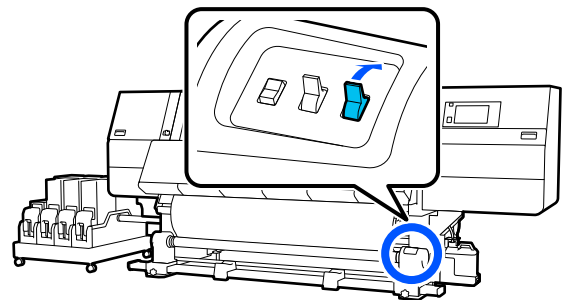
When loading media, press  for printable side out, and press  for printable side in.



- b. While holding the center of the media on the platen, pull it out by moving it toward yourself, and slacken the media at the front side.




- c. Hold down the Manual switch on the  side to take-up the slack media around the core.

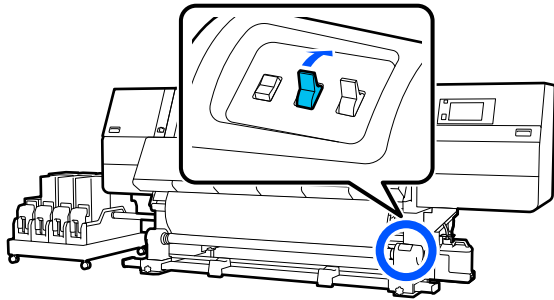


**!** **Important:**

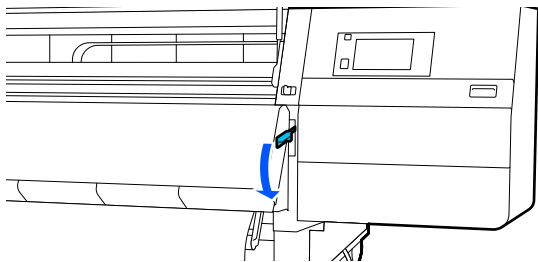
*When taking-up the media around the core, do take-up of only the slackened part. If you do take-up without slackening, it will cause problems, such as wrinkles.*

**Basic Operations**

- 5** Flip the Auto switch to .



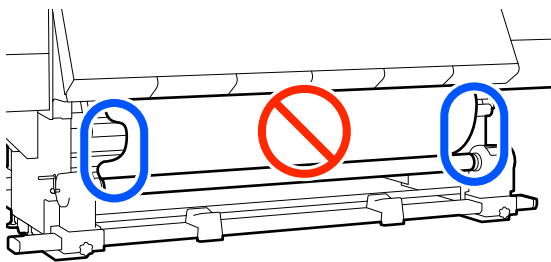
- 6** Lower the media loading lever.



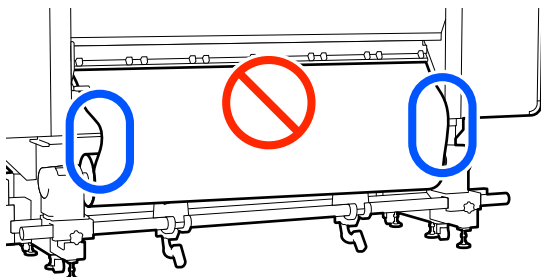
- 7** Confirm that the media is attached without looseness on the front and back sides.

If the tension on the left and right of the media is different in the areas shown in the illustration below, the media will not be taken up correctly. When one side is loose, restart the procedure from Step 2.

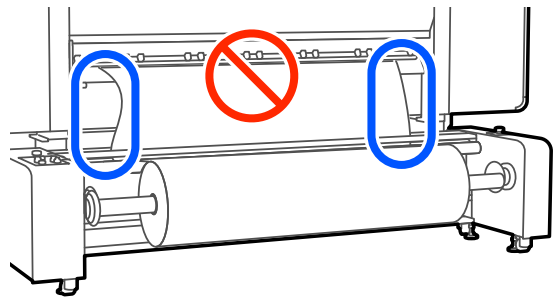
Front side



Back side (Standard type Media Feeding Unit)



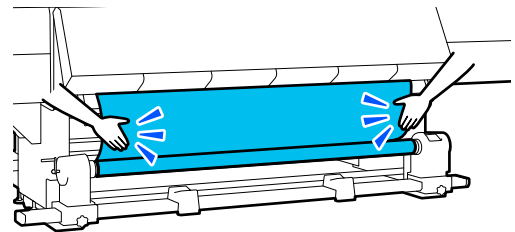
Back side (Large capacity type Media Feeding Unit)



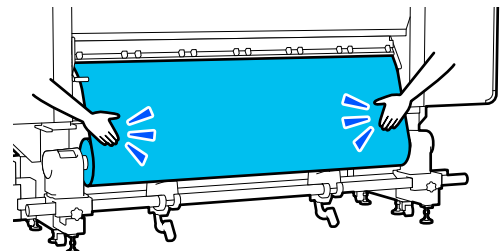
**Note:**

You can confirm differences in tension by lightly tapping both edges of the media as shown in the illustration below.

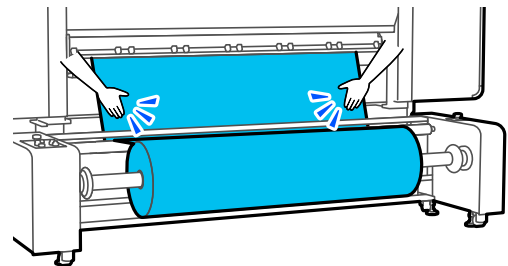
Front side



Back side (Standard type Media Feeding Unit)

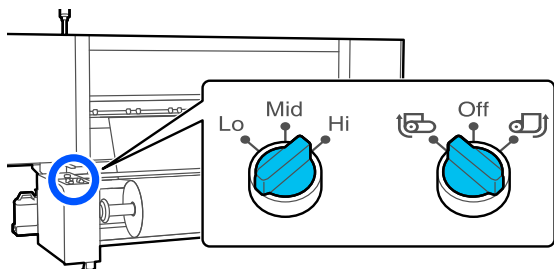


Back side (Large capacity type Media Feeding Unit)



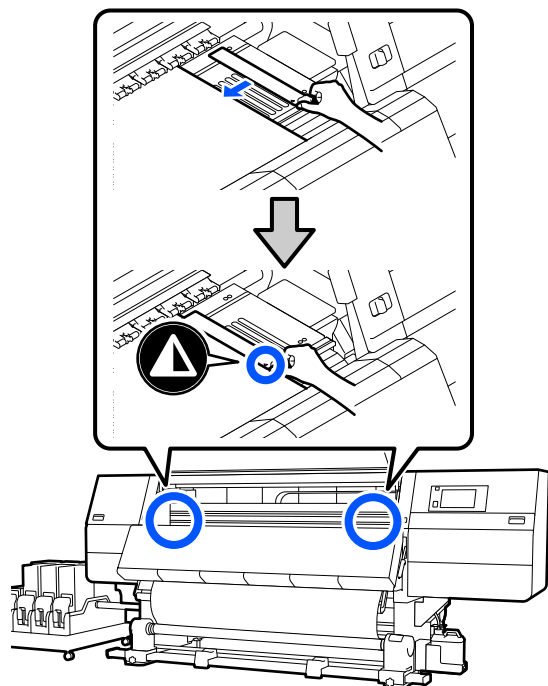
**Basic Operations**

**8** If you are using the large capacity type of media feeding unit, then confirm that the Auto switch and the load switch are set according to the loaded media.

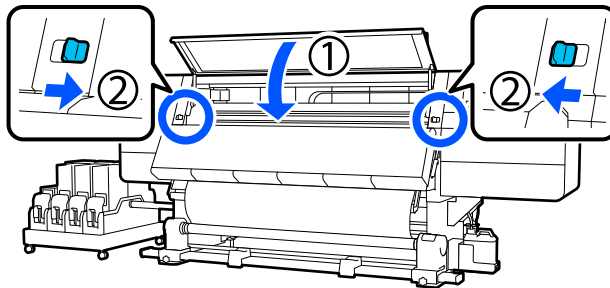


**9** Move to the front side, and while holding the tabs of the media edge plate on both sides, move the plate to the top edge of the media. Adjust so that the edges of the media are aligned with the center of the triangular holes in the media edge plates.

The media edge plates prevent the media from riding up and keep fibers on the cut edge of the media from touching the print head. Load correctly.



**10** Close the front cover, and then move the left and right lock levers inward.



**11** Set the media information on the screen, and press **OK**.

Do the following settings here.

- Media: Set the media to use for printing
- Roll Winding Direction: How to wind the loaded media
- Media Length: Length of the loaded media
- Media Detection: How to detect the width of the media

**Media** is set in the following way.

**When there are no registered media settings for the loaded media**

First, select an unregistered number.

There is no Media Type set for an unregistered number, so the screen to select Media Type appears. Select the Media Type using the paper weight of the loaded media as a guideline as shown below. The paper weights of each Media Type shown in the screen are typical values.

Media Type	Paperweight (g/m <sup>2</sup> )
Ultra-Thin	39 or under
Thin	40 to 56
Med-Thick	57 to 89
Thick	90 or over

**When there are registered media settings/EMX file is downloaded and registered for the loaded media**

Choose a registered media number.

In **Media Detection**, set **Width Detection**. Normally, leave this **On**.

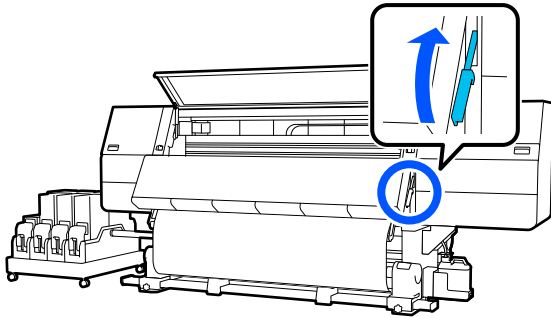
## Basic Operations

See the *User's Guide* in the *Online Manual* for details about Media Detection.

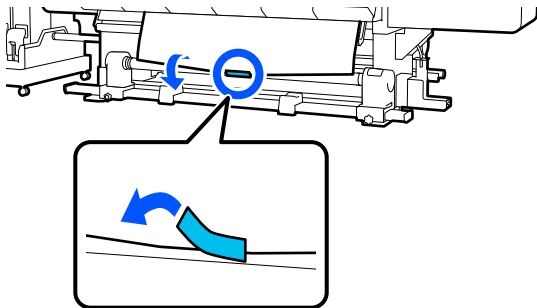
Press **OK**, to start operations, such as detecting the loaded media.

### Printed side out

- 1 Confirm that the front cover is open.
- 2 Raise the media loading lever.





- 3 While pulling the center section of the media straight down, affix the media to the take up roll core with commercially available adhesive tape.

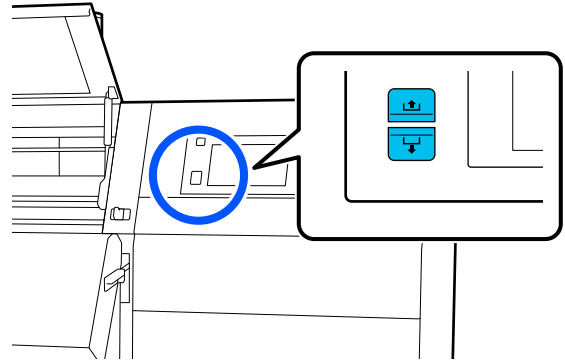


**!** **Important:**

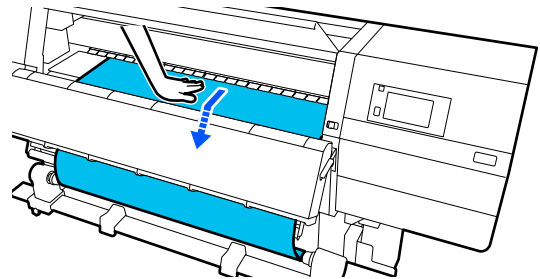
*Affix the media to the take-up roll core with the media pulled tightly. If media is affixed loosely, the media may move around during take-up.*


- 4 Repeat the following procedure and take-up the media for a double wrap around the roll core.
  - a. Hold the media feed button pressed to slightly slacken the media at the back side.

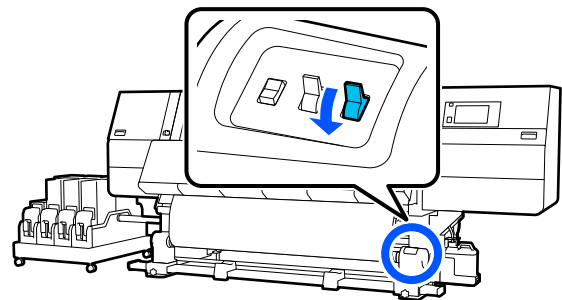
When loading media, press  for printable side out, and press  for printable side in.



- b. While holding the center of the media on the platen, pull it out by moving it toward yourself, and slacken the media at the front side.



- c. Hold down the Manual switch on the  side to take-up the slack media around the core.




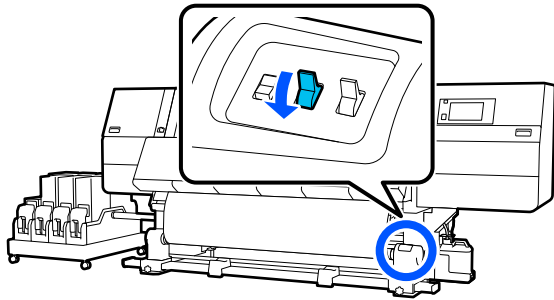
**!** **Important:**

*When taking-up the media around the core, do take-up of only the slackened part. If you do take-up without slackening, it will cause problems, such as wrinkles.*

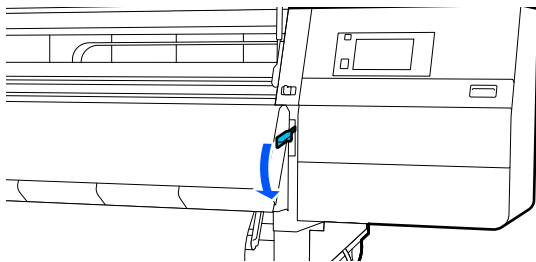


**Basic Operations**

- 5** Flip the Auto switch to .



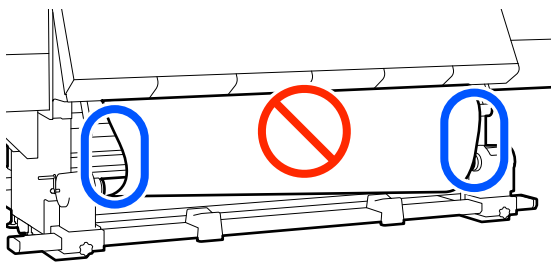
- 6** Lower the media loading lever.



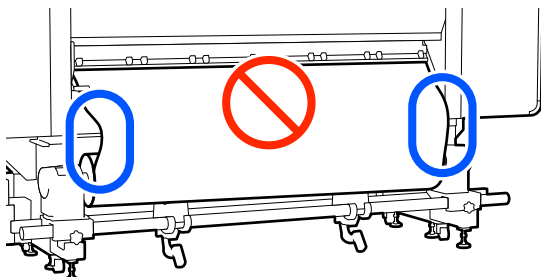
- 7** Confirm that the media is attached without looseness on the front and back sides.

If the tension on the left and right of the media is different in the areas shown in the illustration below, the media will not be taken up correctly. When one side is loose, restart the procedure from Step 2.

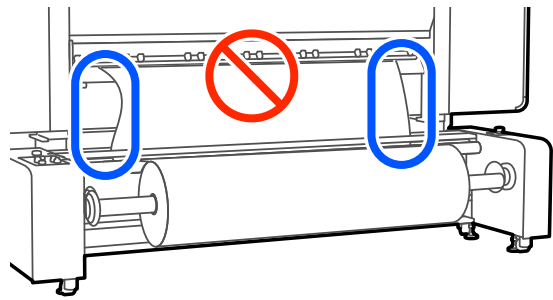
Front side



Back side (Standard type Media Feeding Unit)



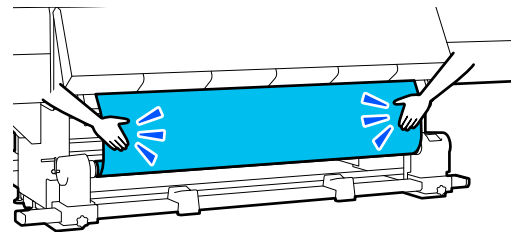
Back side (Large capacity type Media Feeding Unit)



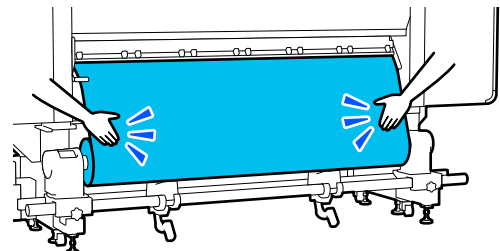
**Note:**

You can confirm differences in tension by lightly tapping both edges of the media as shown in the illustration below.

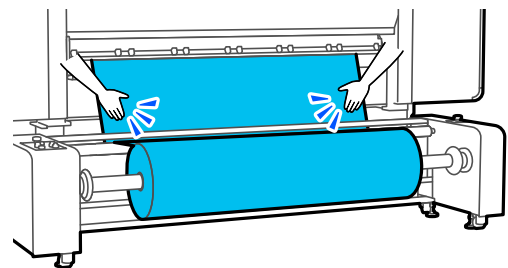
Front side



Back side (Standard type Media Feeding Unit)

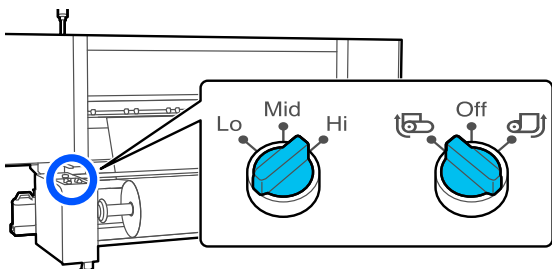


Back side (Large capacity type Media Feeding Unit)



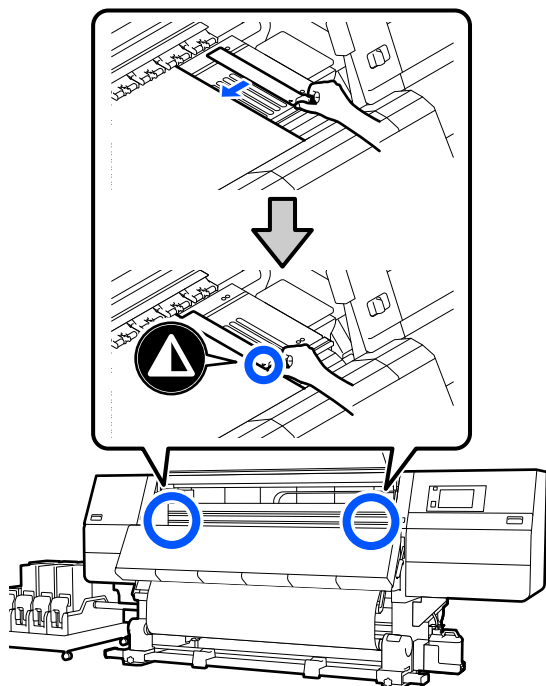
**Basic Operations**

**8** If you are using the large capacity type of media feeding unit, then confirm that the Auto switch and the load switch are set according to the loaded media.

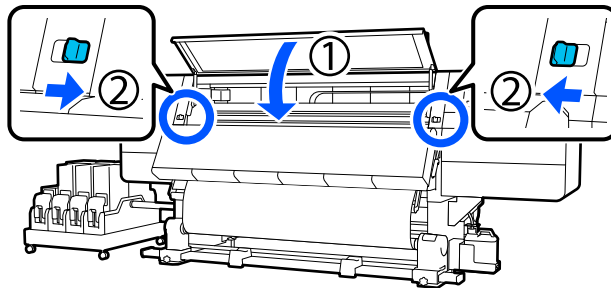


**9** Move to the front side, and while holding the tabs of the media edge plate on both sides, move the plate to the top edge of the media. Adjust so that the edges of the media are aligned with the center of the triangular holes in the media edge plates.

The media edge plates prevent the media from riding up and keep fibers on the cut edge of the media from touching the print head. Load correctly.



**10** Close the front cover, and then move the left and right lock levers inward.



**11** Set the media information on the screen, and press **OK**.

Do the following settings here.

- Media: Set the media to use for printing
- Roll Winding Direction: How to wind the loaded media
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**Media** is set in the following way.

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Media Type	Paperweight (g/m <sup>2</sup> )
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Thin	40 to 56
Med-Thick	57 to 89
Thick	90 or over

**When there are registered media settings/EMX file is downloaded and registered for the loaded media**

Choose a registered media number.

In **Media Detection**, set **Width Detection**. Normally, leave this **On**.

## Basic Operations

See the *User's Guide* in the *Online Manual* for details about Media Detection.

Press **OK**, to start operations, such as detecting the loaded media.

## Removing the Take-up Roll

Follow the steps below when replacing the media.

**1. Set Information Printing at Media Cut.**



**2. Cut the media.**



**3. Remove the media.**

## Setting Information Printing at Media Cut

Setting **Information Printing at Media Cut** in advance is useful because information that is helpful when managing media is printed whenever media is cut.

For example, when **Paper Remaining Information** is turned **On**, the length of media that is remaining is printed. By printing the remaining amount on the media being removed, you can check this value the next time the media is loaded and enter the media length. This is useful for accurate management of the amount of media remaining.

See the *User's Guide* in the *Online Manual* for details about Information Printing at Media Cut.


## Cutting Media



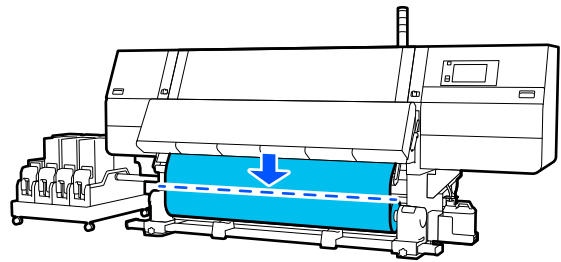
### Caution:

- ❑ The dryer may be hot; observe all necessary precautions. Failure to observe the necessary precautions could result in burns.
- ❑ Do not put your hand inside the dryer. Failure to observe the necessary precautions could result in burns.
- ❑ When cutting media, be careful not to cut your fingers or hands with the cutter or other blades.

**1**

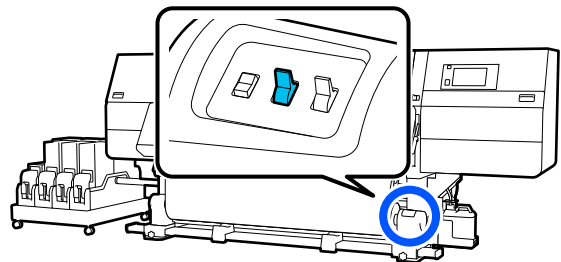
On the control panel screen, press the  and then **Forward**.

If you want to adjust the cut position, change the value of the position.



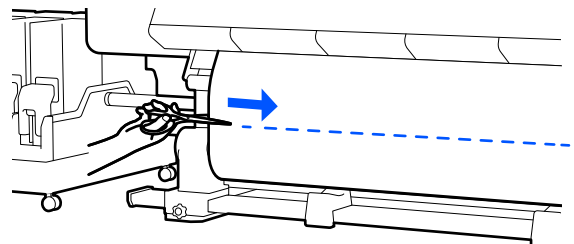
**2**

Turn Off the Auto switch of the Auto Take-up Reel Unit.



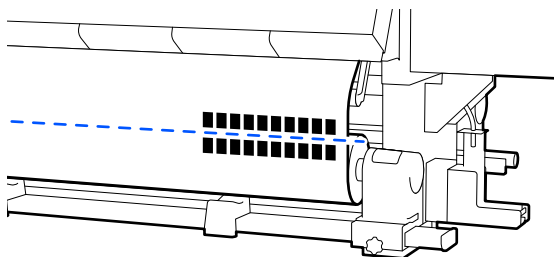
**3**

Cut the media at the bottom of the media guide bar using scissors.



## Basic Operations

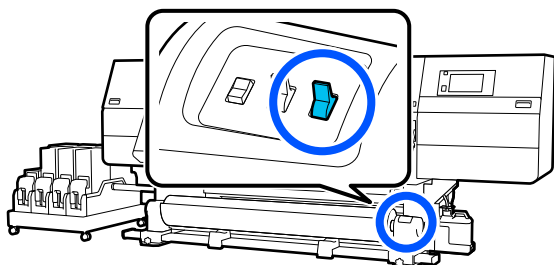
When information, such as the remaining amount of media, is printed, a line is printed at the cut position. Print Information is printed on the printed side of the cut position, and Paper Remaining Information is printed on the unused side, so cut along that line.



**! Important:**

When you cut the media, check that it does not rise up inside the front cover or has not come free from the media edge plate before printing.

- 4** Take up the cut media completely by operating the Manual switch according to how the media is rolled.

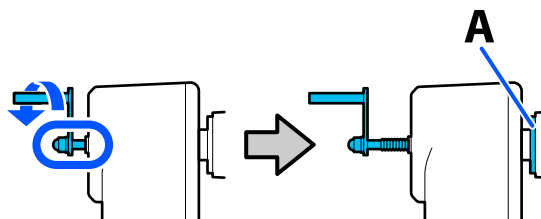


## Removing Media (Standard Type Auto Take-up Reel Unit)

**! Caution:**

- ❑ If the media weighs over 20 kg (44.09 lb.), it should not be carried by one person. When loading or removing the media, use at least two people.
- ❑ Follow the instructions in the manual when loading media or roll cores or removing the take-up roll. Dropping media, roll cores, or take-up rolls could result in injury.

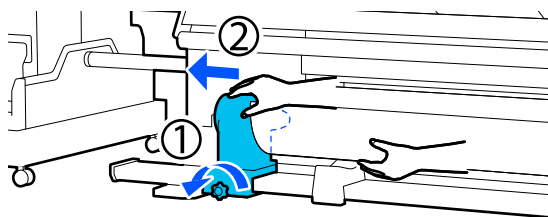
- 1** Rotate the left media holder handle to the far side until it stops.



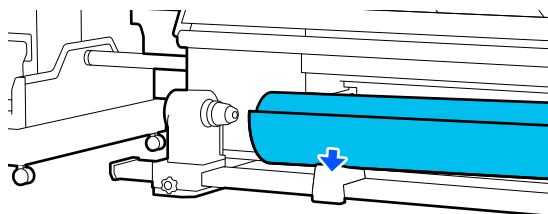
The part A on the illustration and the shaft of the handle will be visible.

- 2** To prevent the media from sliding off the roll, support the roll at its left end.

- 3** Loosen the left media holder fixing screw and remove the media holder.



- 4** Lower the roll onto the roll support.

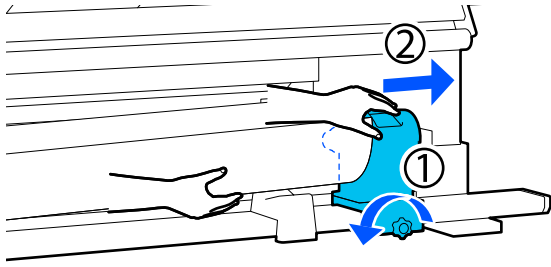


Be careful not to trap your hands between the roll and the roll support.

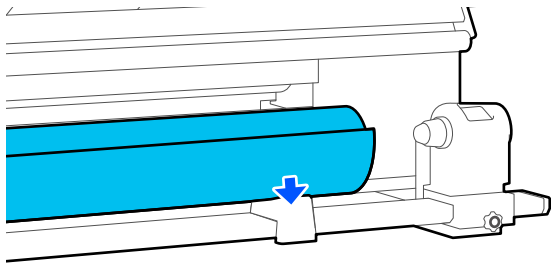
- 5** To prevent the media from sliding off the roll, support the roll at its right end.

## Basic Operations

- 6** Loosen the right media holder fixing screw and remove the media holder.



- 7** Lower the roll onto the roll support.



Be careful not to trap your hands between the roll and the roll support.

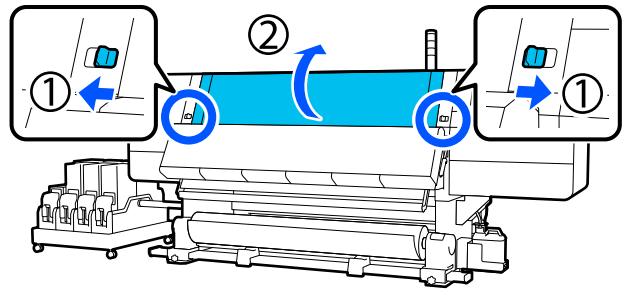
## Removing the Loaded Media

Follow the steps below when removing the media that is loaded on the back side during replacement and so on.

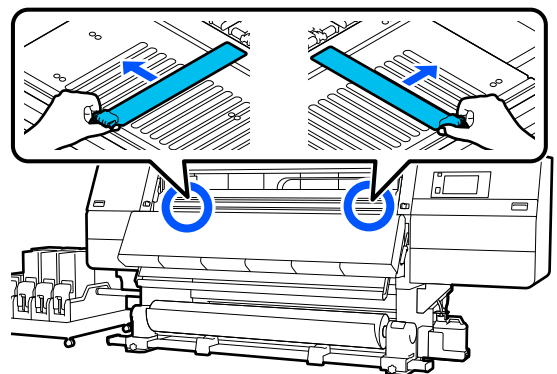
### Removing from the standard type Media Feeding Unit

- 1** Cut the media.  
 ↗ “Cutting Media” on page 67

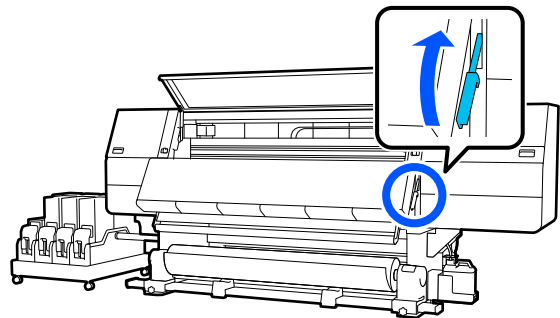
- 2** Move the lock lever on the left and right side outwards to open the front cover.



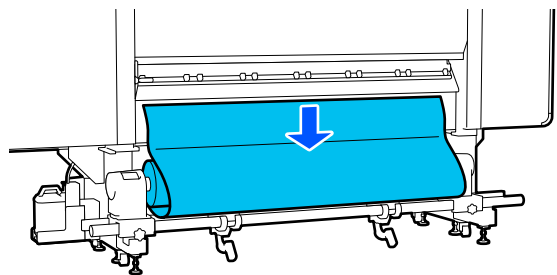
- 3** While holding the tabs of the media edge plate on both sides, move the plate out of the way toward both edges of the platen.



- 4** Raise the media loading lever.

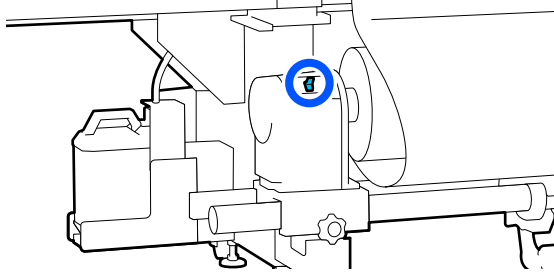


- 5** Move to the back side, and remove the media toward the rear.

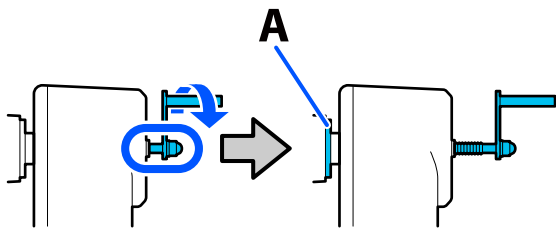


**Basic Operations**

- 6** Take up the media by operating the drive switch according to how the media is rolled.

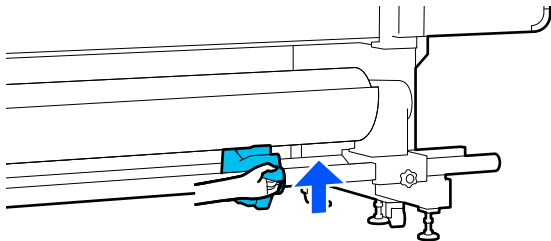


- 7** Rotate the right media holder handle to the near side until it stops.

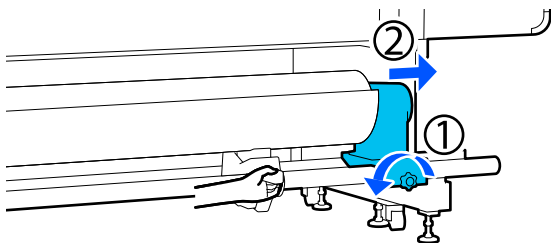


The part A on the illustration and the shaft of the handle will be visible.

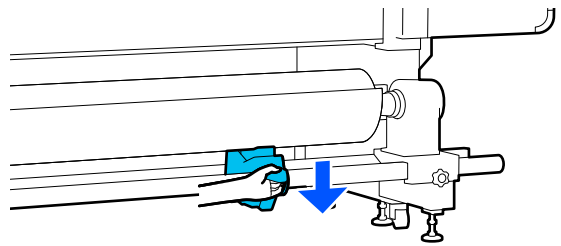
- 8** To prevent the media from dropping, lift up the right lift lever to support media.



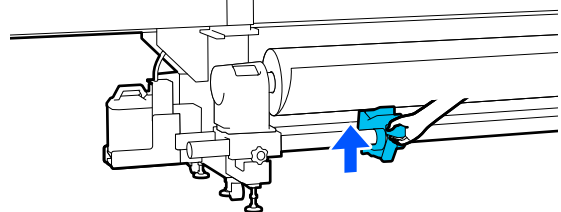
- 9** Loosen the right media holder fixing screw and remove the media holder.



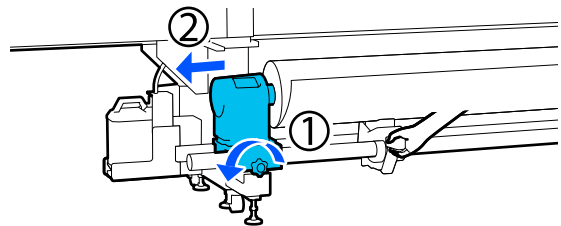
- 10** Lower the lift lever and lower the media onto the roll support.



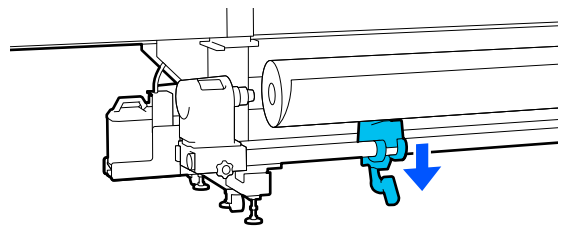
- 11** To prevent the media from dropping, lift up the left lift lever to support media.



- 12** Loosen the left media holder fixing screw and remove the media holder.

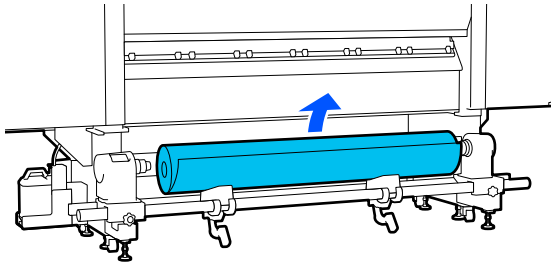


- 13** Lower the lift lever and lower the media onto the roll support.



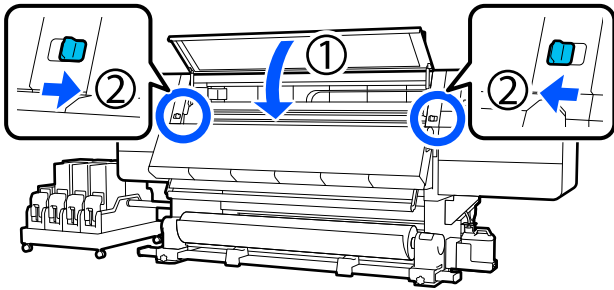
**Basic Operations**

**14** Remove the media.

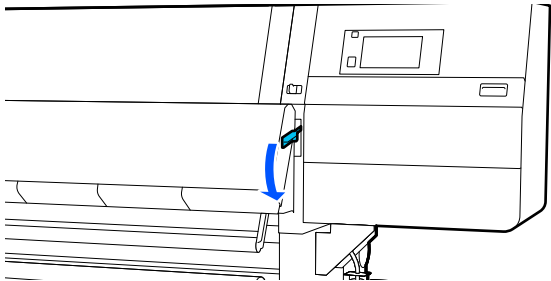


If the weight of the media is 40 kg (88.18 lb.) or more, then remove it using the lifter.

**15** Close the front cover, and then move the left and right lock levers inward.



**16** Lower the media loading lever.

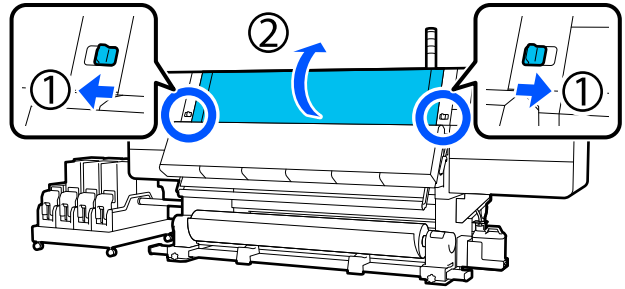


**Removing from the large capacity type Media Feeding Unit**

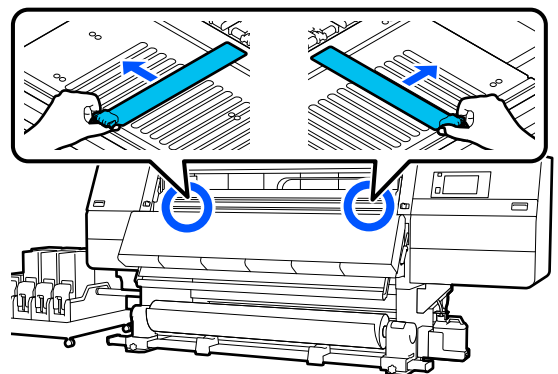
**1** Cut the media.

[“Cutting Media” on page 67](#)

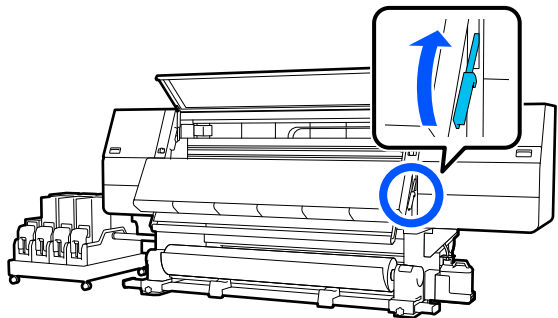
**2** Move the lock levers on the left and right sides outwards to open the front cover.



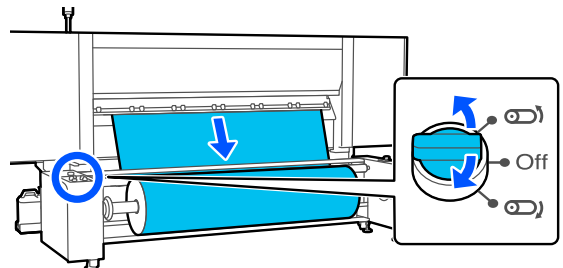
**3** While holding the tabs of the media edge plate on both sides, move the plate out of the way toward both edges of the platen.



**4** Raise the media loading lever.

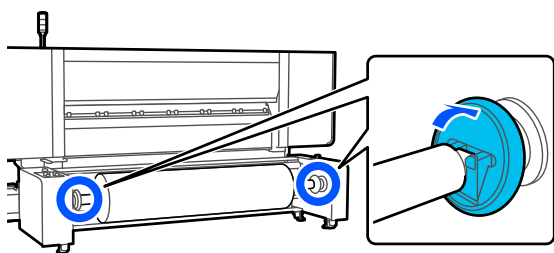
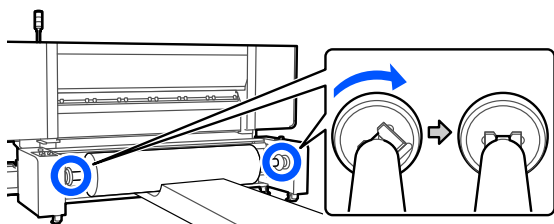
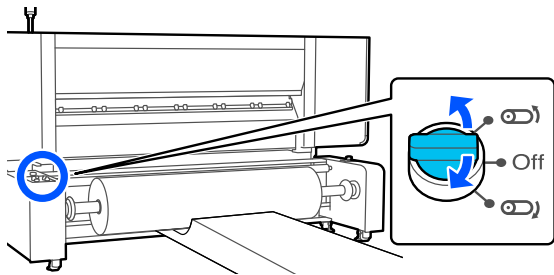


**5** Move to the back side, and take up the media by operating the Manual switch.

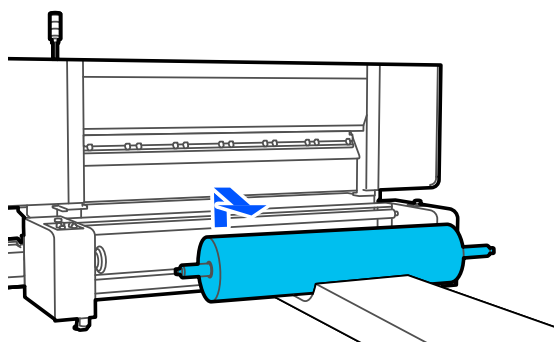


### Basic Operations

- 6** Use the Manual switch to rotate the spindle to face as shown in the illustration, then lower the handles on both sides outward.

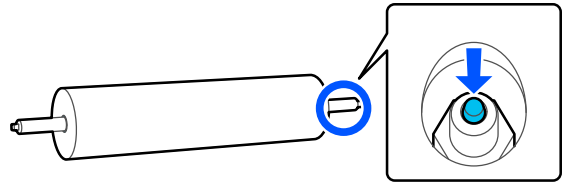


- 7** Remove the media.

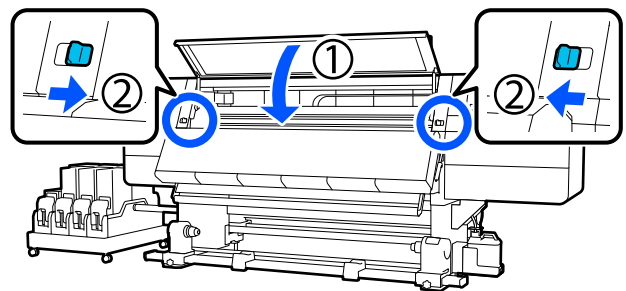


- 8** Press on the center of the valve to release the air in the spindle, then remove the spindle.

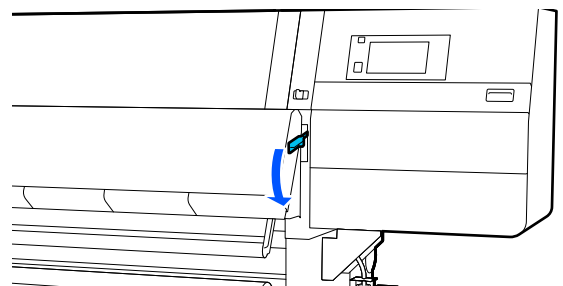
Use the tip of something hard to press on the center of the valve.



- 9** Close the front cover, and then move the left and right lock levers inward.



- 10** Lower the media loading lever.



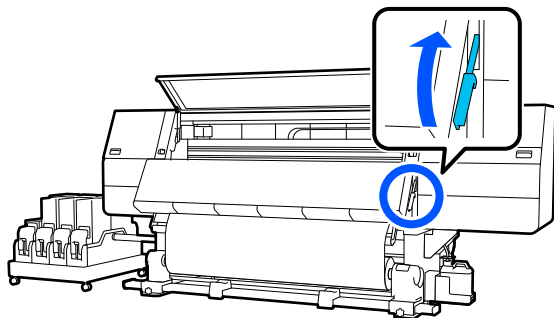
## When the Remaining Media Runs Out

When the remaining media runs out during printing, a message is displayed on the display screen of the control panel. Follow the on-screen instructions and continue printing by replacing the media using the following procedure.



## Basic Operations

- 1** Raise the media loading lever.

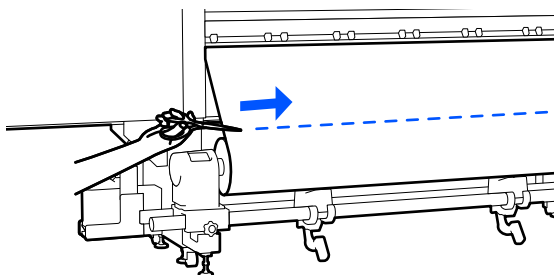


- 2** Move to the back side and check the condition of the media.

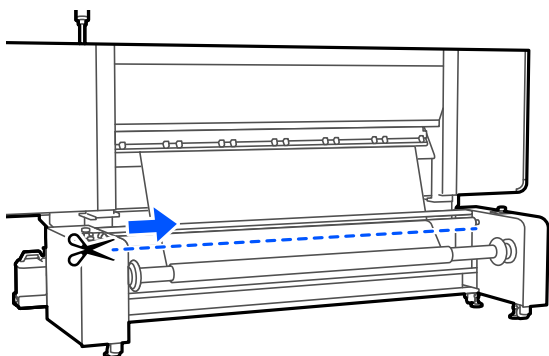
If the media is affixed to the roll core, then cut it apart using scissors as seen in the illustration, and move on to the next procedure.

If it is not affixed, then move on to the next procedure straight away.

### For the standard type Media Feeding Unit



### For the large capacity type Media Feeding Unit



- 3** Follow the procedure below to remove the roll core.

### For the standard type Media Feeding Unit

Steps 6 to 14 in "Removing from the standard type Media Feeding Unit"

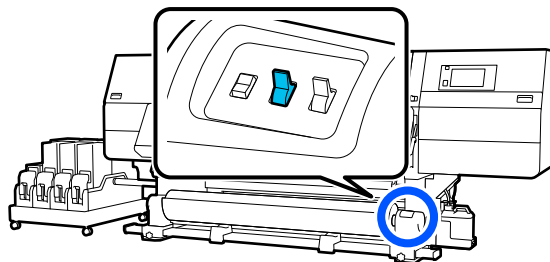
☞ "Removing from the standard type Media Feeding Unit" on page 69

### For the large capacity type Media Feeding Unit

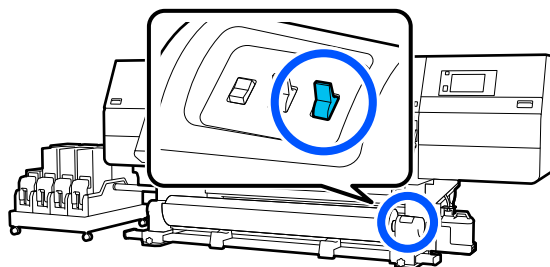
Steps 6 to 8 in "Removing from the large capacity type Media Feeding Unit"

☞ "Removing from the large capacity type Media Feeding Unit" on page 71

- 4** Move to the front side, and turn Off the Auto switch of the Auto Take-up Reel Unit.



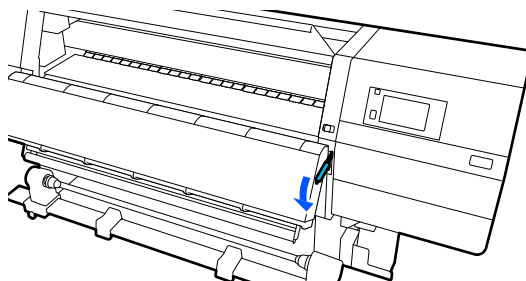
- 5** Take up the media completely by operating the Manual switch as necessary.



- 6** Follow the procedure on "Removing Media" to remove the roll.

☞ "Removing Media (Standard Type Auto Take-up Reel Unit)" on page 68

- 7** Lower the media loading lever.



Follow the on-screen instructions to load a new media, and attach it to the Auto Take-up Reel Unit to resume printing.

☞ "Loading media" on page 41

☞ "Using the Auto Take-up Reel Unit" on page 55

## Basic Operations

# Before Printing

To maintain print quality, perform the following inspection before starting work each day.

### Check the amount of ink remaining:

Check the amount of ink remaining, and replace the old ink cartridge if ink is expended. If ink is expended during printing, the printer automatically switches to the other ink cartridge and continues printing.

You can replace the expended ink cartridge while printing continues.

You can check the ink level on the Home screen.

 [“Understanding and Operating the Display” on page 24](#)

Replacing Ink Cartridges

 [“Replacement procedure” on page 92](#)

### Print head nozzle check:

Perform a print head nozzle check to check for clogged nozzles.

Perform print head cleaning if parts of the printed pattern are faint or missing.

Print head nozzle check

 [“Printing nozzle check patterns” on page 101](#)

Head Cleaning

 [“Print Head Cleaning” on page 102](#)

# Print Adjustments

Use this menu in the following cases.

### Using new media not registered to the printer

Perform **Automatic Adjustment** after loading media to the printer.

### When banding or graininess is found in the print results even after Automatic Adjustment is performed

Perform **Print Head Alignment** and **Media Feed Adjustment** manually.

### When changing Advanced Settings after saving media settings

## Automatic Adjustment

Print head position and media feed are adjusted while printing the pattern.

The approximate maximum length of the media required to print the test pattern is given below.


Approx. 600 mm (23.62 in.)

- 1 Check that the printer is ready, and load the media according to the actual usage conditions.

When using the Auto Take-up Reel Unit, attach the media to the roll core.

 [“Loading media” on page 41](#)

 [“Using the Auto Take-up Reel Unit” on page 55](#)

- 2 Press , and then press in the order of **Media Settings - Print Adjustments - Automatic Adjustment**.

- 3 Press **Start**.

Auto adjust starts, and an adjustment pattern is printed. Wait until adjustment is complete.

## Print Head Alignment

### Auto

The same adjustment as Print Head Alignment of Automatic Adjustment is performed.

The approximate maximum length of the media required to print the test pattern is given below.

Approx. 300 mm (11.81 in.)


- 1 Check that the printer is ready, and load the media according to the actual usage conditions.

When using the Auto Take-up Reel Unit, attach the media to the roll core.

 [“Loading media” on page 41](#)

 [“Using the Auto Take-up Reel Unit” on page 55](#)

## Basic Operations

- 2 Press , and then press in the order of **Media Settings - Print Adjustments - Print Head Alignment - Auto**.
- 3 Press **Start**.  
Auto adjust starts, and an adjustment pattern is printed. Wait until adjustment is complete.

### Manual

You can select **Manual(Simple)** or **Manual(Standard)** to make adjustments.

#### Manual(Simple)

Select this when Auto adjustment has failed or when you want to perform quick and simple adjustment by visually inspecting the pattern.

#### Manual(Standard)


Select this when you want to perform adjustment equivalent to Auto adjustment by visually inspecting the pattern.

The approximate maximum length of the media required to print the test pattern is given below.

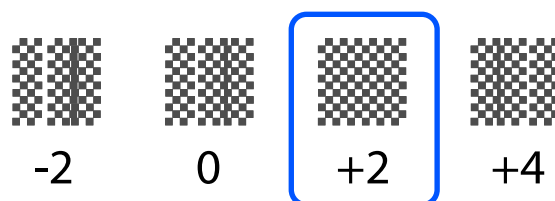
Manual(Simple): Approx. 50 mm (1.96 in.)

Manual(Standard): Approx. 150 mm (5.9 in.)

#### Adjustment Procedure

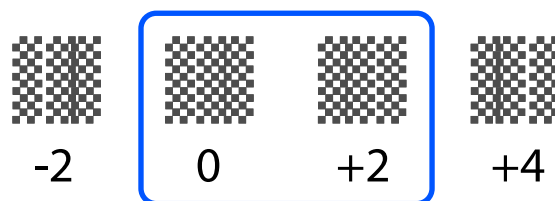
- 1 Check that the printer is ready, and load the media according to the actual usage conditions.  
When using the Auto Take-up Reel Unit, attach the media to the roll core.  
[🔗 “Loading media” on page 41](#)  
[🔗 “Using the Auto Take-up Reel Unit” on page 55](#)
- 2 Press , and then press in the order of **Media Settings - Print Adjustments - Print Head Alignment**.
- 3 Select **Manual(Simple)** or **Manual(Standard)**, and then press **Start**.  
An adjustment pattern is printed. Wait until printing is complete.



- 4 Check the printed adjustment pattern.  
Adjustment pattern blocks are printed as shown below according to the type of manual adjustments.  
Manual(Simple): 4 blocks, A to D  
Manual(Standard): 31 blocks, A to Z and a to e  
Select the pattern with the least tint unevenness for each block.  
Select “+2” in the cases shown below.



If there are patterns where unevenness is the same, set an intermediate value in Step 5.

Set “+1” in the cases shown below.



- 5 The screen for entering confirmation results for the adjustment pattern is displayed.  
On the entry screen of each block, set the number confirmed in Step 4 by pressing  / , and then press **OK**.  
The Media Settings menu is displayed when you finish the adjustments.

## Media Feed Adjustment

This menu is used when banding (horizontal banding, tint unevenness, or stripes) is detected in printing results.

You can select Auto or Manual to make adjustments.

### Auto

You can select **Auto(Standard)** or **Auto(Details)** to make adjustments.

## Basic Operations

### Auto(Standard)

Select this when you want to perform quick and simple adjustment, such as for readjustment before the roll is used up.

The same adjustment as Media Feed Adjustment of Automatic Adjustment is performed.

### Auto(Details)

Select this when you want to make highly precise adjustments, such as for improving the print quality of characters or ruled lines.

The approximate maximum length of the media required to print the test pattern is given below.

Auto(Standard): Approx. 300 mm (11.81 in.)

Auto(Details):

300x600dpi -1.1 pass	: Approx. 450 mm (17.71 in.)
300x600dpi -1.5 pass	: Approx. 450 mm (17.71 in.)
300x600dpi -2.1 pass	: Approx. 300 mm (11.81 in.)
300x600dpi -3.1 pass	: Approx. 200 mm (7.87 in.)
600x600dpi -2.1 pass	: Approx. 300 mm (11.81 in.)
600x600dpi -2.5 pass	: Approx. 250 mm (9.84 in.)
600x600dpi -3.1 pass	: Approx. 200 mm (7.87 in.)
600x600dpi -4.3 pass	: Approx. 200 mm (7.87 in.)
600x1200dpi -5.0 pass	: Approx. 200 mm (7.87 in.)
600x1200dpi -5.0 pass HD	: Approx. 200 mm (7.87 in.)
1200x1200dpi -9.0 pass HD	: Approx. 150 mm (5.90 in.)

1


Check that the printer is ready, and load the media according to the actual usage conditions.

When using the Auto Take-up Reel Unit, attach the media to the roll core.

 [“Loading media” on page 41](#)

 [“Using the Auto Take-up Reel Unit” on page 55](#)

2

Press , and then press in the order of **Media Settings - Print Adjustments - Media Feed Adjustment**.

3

Select **Auto(Standard)** or **Auto(Details)**, and then press **Start**.

Auto adjust starts, and an adjustment pattern is printed. Wait until adjustment is complete.

Selecting **Auto(Details)** displays the pass mode selection screen. Check that a pass mode to be used for printing is selected, and then press **OK**.

## Manual

You can select **Manual(Standard)** or **Manual(Measurement)** to make adjustments.

### Manual(Standard)

Make a selection in the following cases.

- When Auto adjustment has failed
- When you want to perform quick and simple adjustment by visually inspecting the pattern

### Manual(Measurement)

Make a selection in the following cases.

- When Auto and Manual(Standard) adjustments have failed
- When banding can be seen in the print results even after doing the adjustments for Manual(Standard)
- When it is difficult to check the patterns for Manual(Standard) due to bleeding ink, etc.
- When you want to print with accurate length

The approximate maximum length of the media required to print the test pattern is given below.

## Basic Operations

Manual(Standard): Approx. 100 mm (3.93 in.)

Manual(Measurement): Approx. 600 mm (23.62 in.)

### Adjustment Procedure

- 1 Check that the printer is ready, and load the media according to the actual usage conditions.

When using the Auto Take-up Reel Unit, attach the media to the roll core.

[“Loading media” on page 41](#)

[“Using the Auto Take-up Reel Unit” on page 55](#)

- 2 Press , and then press in the order of **Media Settings - Print Adjustments - Media Feed Adjustment - Manual(Standard)**.

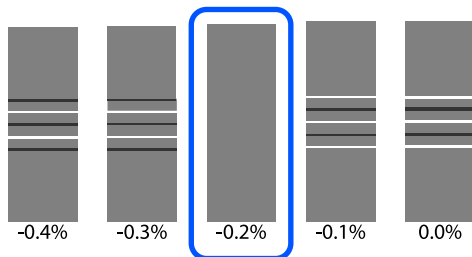
- 3 Press **Start**.

An adjustment pattern is printed. Wait until printing is complete.

- 4 Check the printed adjustment pattern.

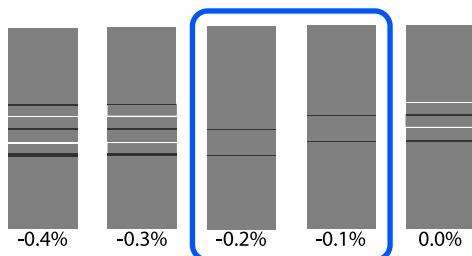
#### When Manual(Standard) is selected

Two groups of adjustment patterns, A and B, are printed. Select the pattern with the least amount of overlapping or gaps for each group. Select “-0.2%” in the cases shown below.



If there are patterns where the overlapping or gaps are the same, enter the middle value in Step 5.

Enter “-0.15%” in the cases shown below.



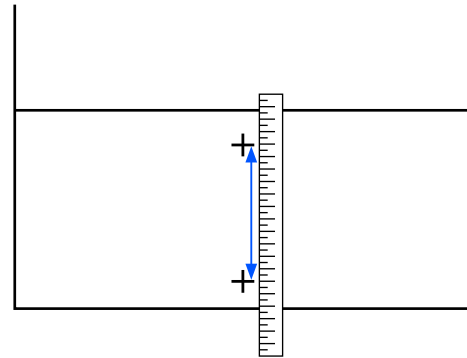
If all of the adjustment patterns contain overlaps or gaps, and you cannot narrow it down to 1, select the pattern with the least overlaps and gaps. Do Steps 2 to 5 again, and repeat them until a pattern with no overlaps or gaps is printed.

If the pattern is difficult to check, such as if the ink bleeds, input “0.0%” one time.

In this situation, the media feed is not adjusted. Do the following steps to complete Manual(Standard), and then perform Manual(Measurement) again.

#### When Manual(Measurement) is selected

Measure the space between patterns using a scale of up to 0.5 mm (0.02 in.).



- 5 The screen for entering confirmation results for the adjustment pattern is displayed.

#### When Manual(Standard) is selected

Set the values printed under the patterns selected in A and B, and then press **OK**.

#### When Manual(Measurement) is selected

Set the value measured in Step 4, and then press **OK**.

When adjustments are complete, the Home screen is displayed.

**Basic Operations**

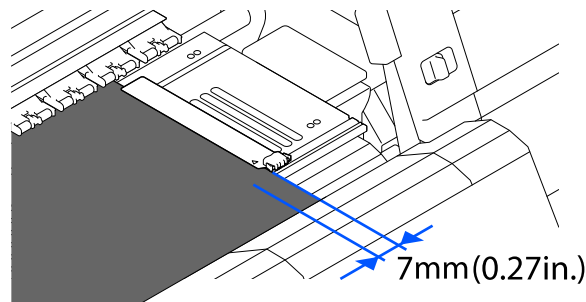
# Printable area

## Left and Right Edge Positions of Media

The left and right edges of media recognized by the printer vary, as shown below, according to the Width Detection settings.

**Width Detection On** : The printer automatically detects the left and right edges of the loaded media.

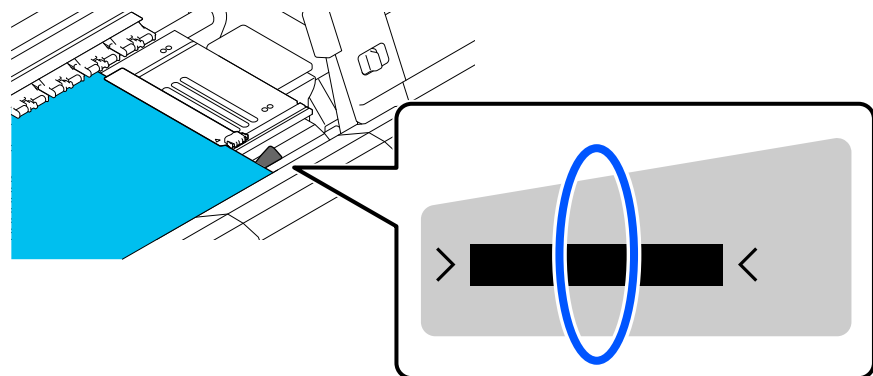
When media edge plates are attached, the edge of the media is recognized as within 7 mm (0.27 in.) of the left and right edges of the media.



The edges of the media are not detected correctly if the media edge plates are not attached correctly.

 [“Loading media” on page 41](#)

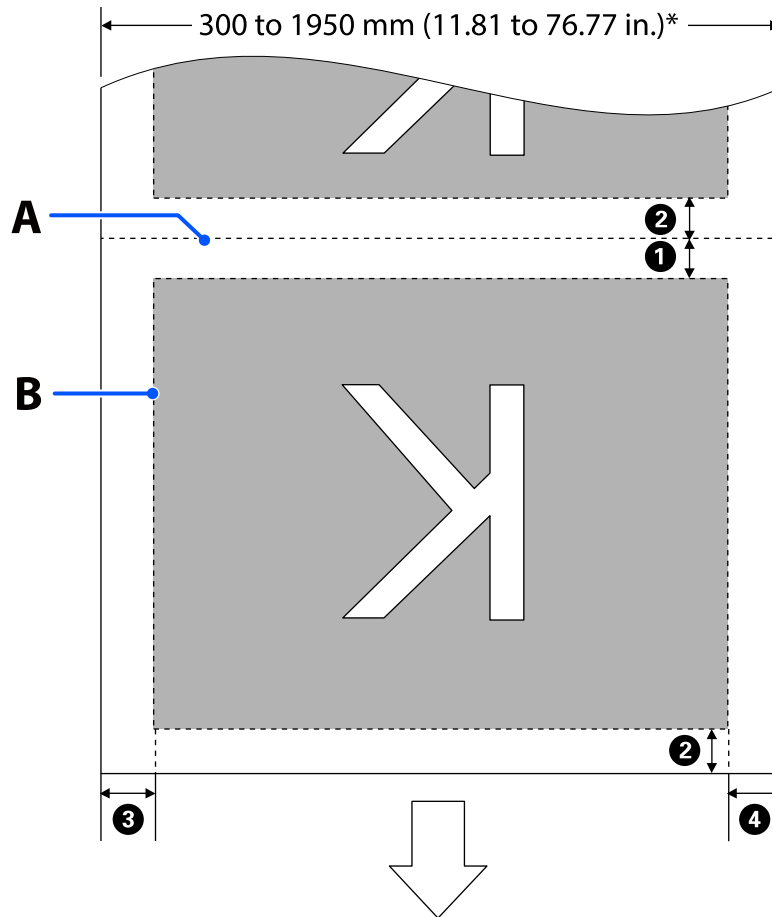
**Width Detection Off** : The center of the black rectangle label in front of the platen (shown in the illustration below) is recognized as the standard position for the right edge of the media. From the standard position for the right edge of the media, a position set by a value (300 to 1950) with Width Detection being set to **Off** is recognized as the left edge of the media.



## Basic Operations

### Printable Area and Image Print Area

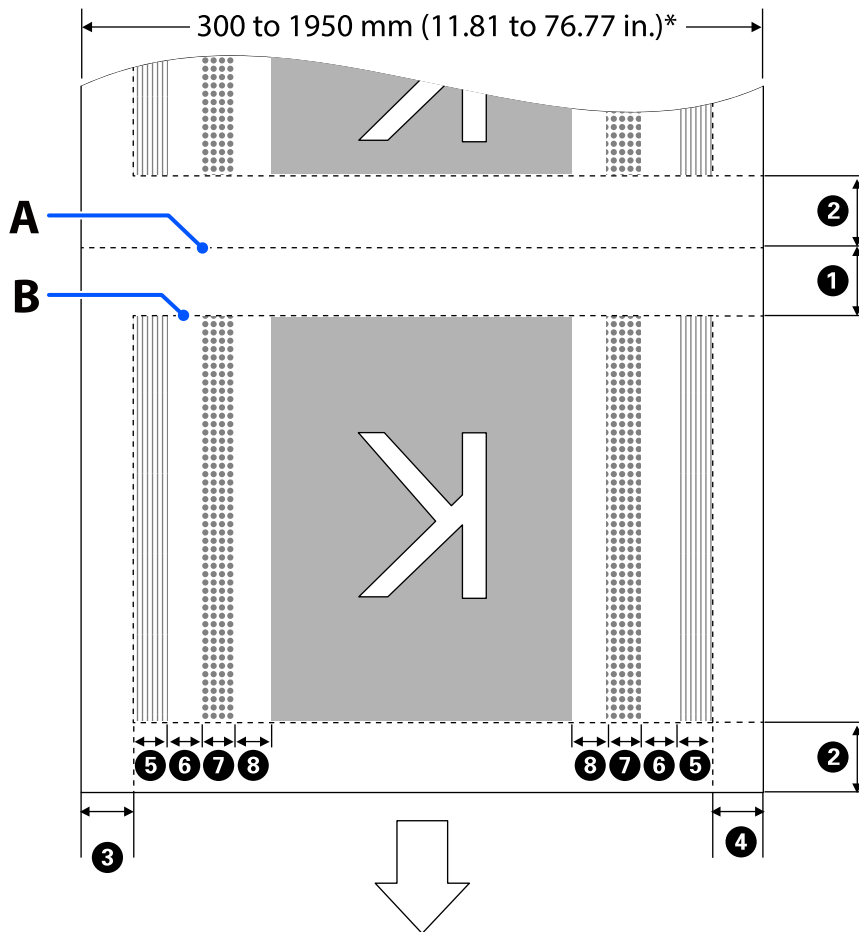
- When not using the Information Printing function  
As shown in the illustration, the printable area can be used as an image print area for all jobs.



### Basic Operations

- When using the Information Printing function  
As shown in the illustration, the size of the left and right sides of the image print area is reduced by the amount of information to print.  
Areas to be used to print information vary according to the settings. Here, an example of the smallest image print area for the following settings is shown.

- Print position for the Event Marking of the Information Printing function: Left and right
- Print position for the nozzle check patterns of the Information Printing function: Left and right



A Media cut position

B Printable area

■ Image print area

||||| Print area of nozzle check patterns

●●●● Event Marking area



## Basic Operations

- \* When **Width Detection** is set to **Off**, the set value (300 to 1950 mm [11.81 to 76.77 in.]) is applied.

The arrow indicates the feed direction.

The details of ① to ⑧ are shown below.

Position	Explanation	Available Setting Range
① Trailing edge *1, *3	Half the value selected for <b>Margin Between Pages</b> in the printer's setup menu. To maintain media feeding accuracy, if the settings are less than 10 mm (0.39 in.), the settings are switched to 5 mm (0.19 in.).	5 to 499.5 mm (0.19 to 19.66 in.)
② Leading edge *1, *2, *3	Half the value selected for <b>Margin Between Pages</b> . If the settings are less than 10 mm (0.39 in.), the settings are switched to "the setting -5". When <b>Skip Wrinkled Media</b> is set to On, the settings are switched to 300 mm (11.81 in.) if the settings are less than 600 mm (23.62 in.).	5 mm (0.19 in.) or more
③ Right edge *3, *4	The total of the values selected for <b>Print Start Position</b> and <b>Side(Right)</b> . The default setting for Print Start Position is 0 mm and Side(Right) is 7 mm (0.27 in.). When media edge plates are used, a value to which 7 mm (0.27 in.) is added is applied as the actual margin since within 7 mm (0.27 in.) of the edge is recognized as the media edge.	3 to 1025 mm (0.11 to 40.35 in.)
④ Left edge *3, *4	The value selected for <b>Side(Left)</b> . The default setting is 7 mm (0.27 in.). When media edge plates are used, a value to which 7 mm (0.27 in.) is added is applied as the actual margin since within 7 mm (0.27 in.) of the edge is recognized as the media edge.	3 to 25 mm (0.11 to 0.98 in.)
⑤ Nozzle check pattern printing width	16 mm (0.62 in.) when <b>Normal</b> is selected in <b>Pattern Selection</b> . 4 mm (0.15 in.) when <b>Paper Width Saving</b> is selected.	-
⑥ Space between nozzle check patterns and Event Marking	Fixed to 3 mm (0.11 in.).	-
⑦ Event Marking width	Fixed to 20 mm (0.78 in.).	-
⑧ Space between nozzle check patterns / Event Marking and image	When <b>Print Position</b> is set to <b>Next to the Image</b> , the margin on the right side of the image represents the value selected for <b>Margin Between Images</b> . When it is set to <b>Media End</b> , the value varies according to images and other settings.	0 to 999 mm (0 to 39.33 in.)

- \*1 The set margin and the actual print results may differ depending on the RIP being used. Contact the RIP manufacturer for more information.
- \*2 With **Width Adjustment** in the settings menu for the printer, you can adjust the margins in a range between -10 mm and +10 mm (-0.39 in. and 0.39 in.).
- \*3 This may be available in the RIP depending on the RIP software being used. Contact the RIP manufacturer for more information.

## Basic Operations

\*4 Note the following points when setting margins.

- Leave margins of 10 mm (0.39 in.) or more when using media edge plates. Narrower margins could result in printer printing over the plates.
- If the total of the print data width and set left and right margins exceeds the printable area, a portion of the data will not be printed.

**Note:**

*If the following points are not observed when Width Detection is **Off**, printing may occur outside the left and right edges of the media. Ink used outside the edges of the media will stain the inside of the printer.*

- Ensure that the print data width does not exceed the loaded media width.*
- When media is loaded to the left of the right side reference position, align the **Print Start Position** setting with the position where the media set.*  
*See the User's Guide from the Online Manual for details on settings.*

Maintenance

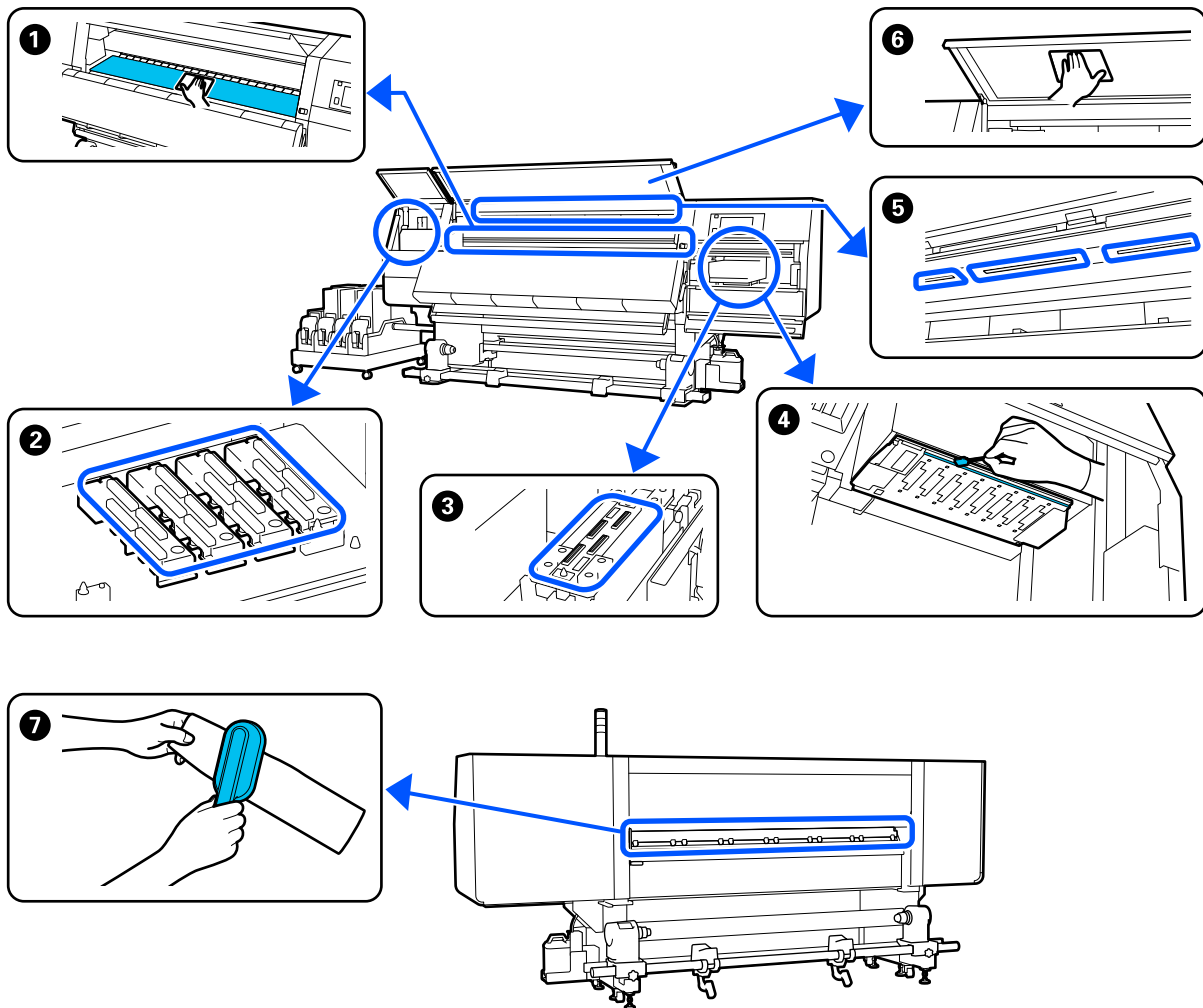
# Maintenance

## When to Perform Various Maintenance Operations

Cleaning and replacement of consumables must be performed to ensure the print quality of the printer.

Failure to perform appropriate maintenance could result in reduced print quality. Read the following to perform appropriate maintenance.

### Cleaning



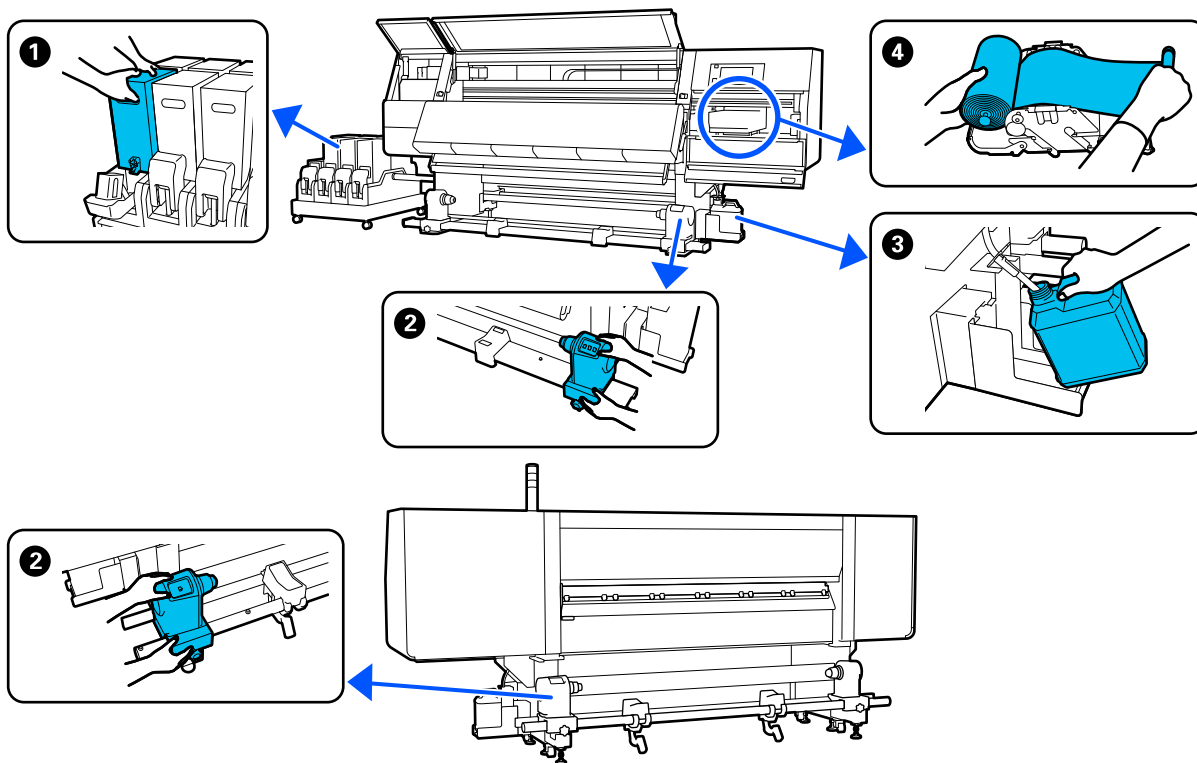
When to perform	Component to be cleaned
When starting work every day	① Platen, media edge plates, around dryer 📖 "Daily Cleaning" on page 88

### Maintenance

When to perform	Component to be cleaned
<p>When a cleaning message is displayed on the control panel</p>	<p>② Anti-drying caps  <a href="#">🔗 "User's Guide" (Online Manual)</a></p> <p>You can check the procedure in a video on YouTube.  <a href="#">Video Manual</a></p> <p>⑦ Media cleaner  <a href="#">🔗 "User's Guide" (Online Manual)</a></p>
<p>When dirt is found on the print head in the following cases</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Media jams</li> <li><input type="checkbox"/> Print head striking occurs</li> <li><input type="checkbox"/> Print results are dirty</li> </ul>	<p>④ Around the Print Head  <a href="#">🔗 "User's Guide" (Online Manual)</a></p> <p>You can check the procedure in a video on YouTube.  <a href="#">Video Manual</a></p>
<p>When it is hard to see inside the printer</p>	<p>⑥ Front cover  <a href="#">🔗 "User's Guide" (Online Manual)</a></p>
<p>When internal lamp seems to be dark</p>	<p>⑤ Internal lamp  <a href="#">🔗 "User's Guide" (Online Manual)</a></p>
<p>When executing Print Head Refresh</p>	<p>③ Suction cap  <a href="#">🔗 "User's Guide" (Online Manual)</a></p> <p>You can check the procedure in a video on YouTube.  <a href="#">Video Manual</a></p>

Maintenance

Replacing Consumables






When to perform	Component to be replaced
When ink low warning is displayed on the control panel display	<p>① Ink cartridge</p> <p>👉 "Replacement procedure" on page 92</p>
When a prepare and replacement message is displayed on the control panel screen	<p>③ Waste Ink Bottle</p> <p>👉 "User's Guide" (Online Manual)</p> <p>④ Wiper Roll</p> <p>👉 "User's Guide" (Online Manual)</p>
When a replacement message is displayed on the control panel screen (only for the standard type Media Feeding Unit and Auto Take-up Reel Unit models)	<p>② Media holder</p> <p>👉 "User's Guide" (Online Manual)</p>

Other maintenance

When to perform	Operation
When a shake message is displayed on the control panel screen	<p>Shaking ink cartridges</p> <p>👉 "Periodic shaking of ink cartridges" on page 97</p>

### Maintenance

When to perform	Operation
<ul style="list-style-type: none"> <li><input type="checkbox"/> When checking if nozzles are clogged</li> <li><input type="checkbox"/> When checking which colors are clogged</li> <li><input type="checkbox"/> Horizontal stripes or tint unevenness (banding) have appeared</li> </ul>	<p>Checking for clogged nozzles</p> <p> <a href="#">"Checking for clogged nozzles" on page 101</a></p>
<p>When a clog is found after checking for clogged nozzles</p>	<p>Cleaning the print head</p> <p> <a href="#">"Print Head Cleaning" on page 102</a></p>
<p>Once a month</p>	<p>Checking the circuit breaker's performance</p> <p> <a href="#">"Checking the circuit breaker's performance" on page 103</a></p>

## Maintenance

### What You'll Need

Ready the following items before beginning cleaning and replacement.

When the supplied parts have been completely used, purchase new consumables.

Prepare genuine parts when replacing ink cartridges or performing maintenance.

 [“Options and Consumable Products” on page 106](#)

If your gloves have worn out, prepare commercially available nitrile gloves.

#### Protective eyeglasses (available in the market)

Protects your eyes from ink and cleaning fluid.

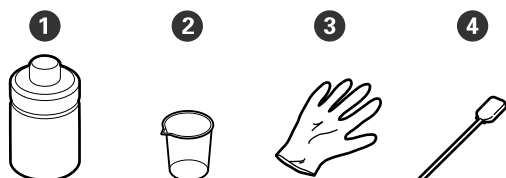
#### Mask (available in the market)

Protects your nose and mouth from ink and cleaning fluid.

#### Cleaning kit (supplied with the printer)

Use these when wiping up ink stains.

The following accessories are in the kit.



① Cleaning fluid (x1)

② Cup (x1)

③ Gloves (x16)

④ Cleaning stick (x50)

For more details, see the *User's Guide* from the *Online Manual*.

#### Metal or plastic (PP or PE) tray (available in the market)

Use when putting cleaning utensils, removed consumables, or cleaning fluid moved to the container supplied with the printer.

#### Media Cleaner Brush (supplied with the printer)

Use when cleaning with media cleaner.



#### Soft cloth (available in the market)

Use when cleaning inside the front cover and the bottom of the dryer. Use material that is not likely to generate lint or static electricity.

### Precautions regarding maintenance

Note the following points when cleaning and replacing parts.

## Maintenance



### Caution:

- ❑ Store ink cartridge, cleaning fluid, and waste ink in a location out of the reach of children.
- ❑ During maintenance, wear protective clothing, including protective eyewear, gloves, and a mask.  
If ink, waste ink, cleaning fluid, or grease contacts your skin or enters your eyes or mouth, take the following actions:
  - ❑ If fluid adheres to your skin, immediately wash it off using large volumes of soapy water. Consult a physician if the skin appears irritated or is discolored.
  - ❑ If fluid enters your eyes, rinse immediately with water. Failure to observe this precaution could result in bloodshot eyes or mild inflammation. If problems persist, consult with a physician.
  - ❑ If fluid enters your mouth, consult a physician immediately.
  - ❑ If fluid is swallowed, do not force the person to vomit, and consult with a physician immediately. If the person is forced to vomit, fluid may get caught in the trachea which can be dangerous.
  - ❑ Do not drink the ink.
- ❑ Remove the media from the printer before proceeding with cleaning or replacing the media holder.
- ❑ Never touch the belts, circuit boards, or any parts that do not require cleaning. Failure to observe this precaution could result in malfunction or reduced print quality.
- ❑ Use only the supplied cleaning sticks or sticks contained in a maintenance kit. Other types of sticks that produce lint will damage the print head.
- ❑ Always use fresh cleaning sticks. Re-using sticks can make stains even harder to remove.
- ❑ Do not touch the tips of the cleaning sticks. Oil from your hands could damage the print head.

- ❑ Do not use anything other than the specified cleaning fluid when cleaning around the print head, caps, etc. Using anything else could result in malfunction or reduced print quality.
- ❑ Touch a metallic object before starting work to discharge any static electricity.

## Cleaning

### Daily Cleaning

When lint, dust, or ink adheres to the platen or the media edge plates, it could cause clogged nozzles or ink drops to occur.

Dirt on the media path around the dryer could make the printouts dirty.

To maintain optimum printing quality, we recommend cleaning before starting work every day.



### Caution:

- ❑ The dryer may be hot; observe all necessary precautions. Failure to observe the necessary precautions could result in burns.
- ❑ Do not put your hand inside the dryer. Failure to observe the necessary precautions could result in burns.
- ❑ Be careful not to trap your hands or fingers when opening or closing the front cover or the maintenance cover. Failure to observe these precautions could result in injury.

1

Make sure the printer is turned off and the screen has turned off, and then unplug the power cable from the outlet.

Disconnect both of the power cables.

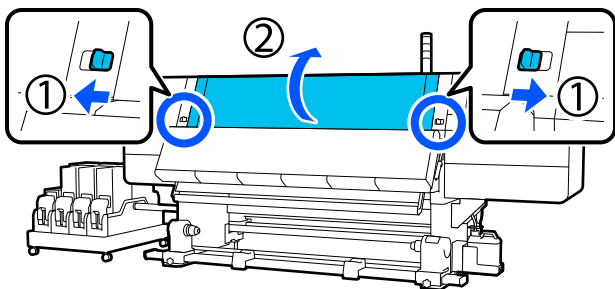
2

Wait for one minute after unplugging the power plug.



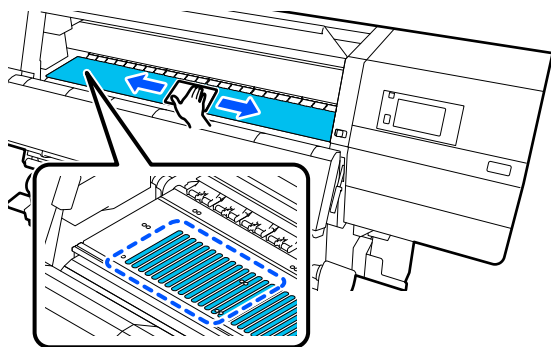
## Maintenance

- 3** Move the lock lever on the left and right side outwards to open the front cover.

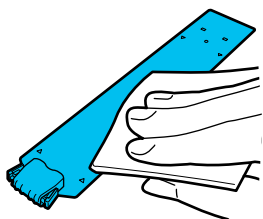


- 4** Soak a soft cloth in water, wring it out thoroughly, and then wipe off any ink, lint, or dust that has adhered to the platen.

Carefully remove lint and dust stuck in the groove of the platen.



- 5** Soak a soft cloth in water, wring it out thoroughly, and then wipe off any lint, or dust that has adhered to the media edge plates.

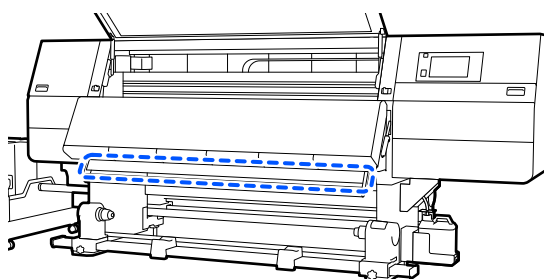
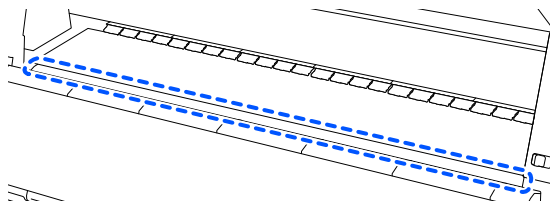


**!** **Important:**

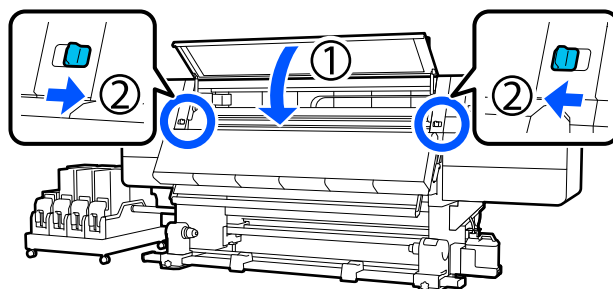
When media with glue has been used or when ink has adhered to the media edge plates, follow the procedure in the “Cleaning the media edge plates when media with glue has been used or when ink has adhered” in the next section to clean the front and back of the plates. If you continue printing while glue is stuck to the rear, it may rub against the print head.

- 6** Soak a soft cloth in water, wring it out thoroughly, and then wipe off any ink, lint, or dust that has adhered to the upper and lower parts of the dryer.

Wipe the area shown in the illustration below.



- 7** After wiping off stains, close the front cover and move the left and right lock levers inwards.



- 8** Plug in both of the two power cables and turn the printer on.

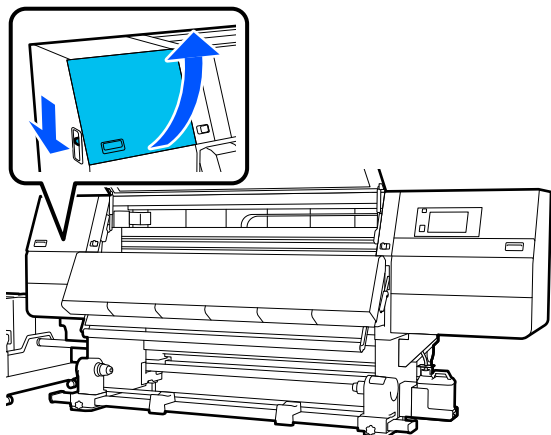
### Cleaning the media edge plates when media with glue has been used or when ink has adhered

Remove the media edge plates from the printer, and clean the front and back of the plates using a diluted neutral detergent.

When stains are removed, attach the plates to their original positions.

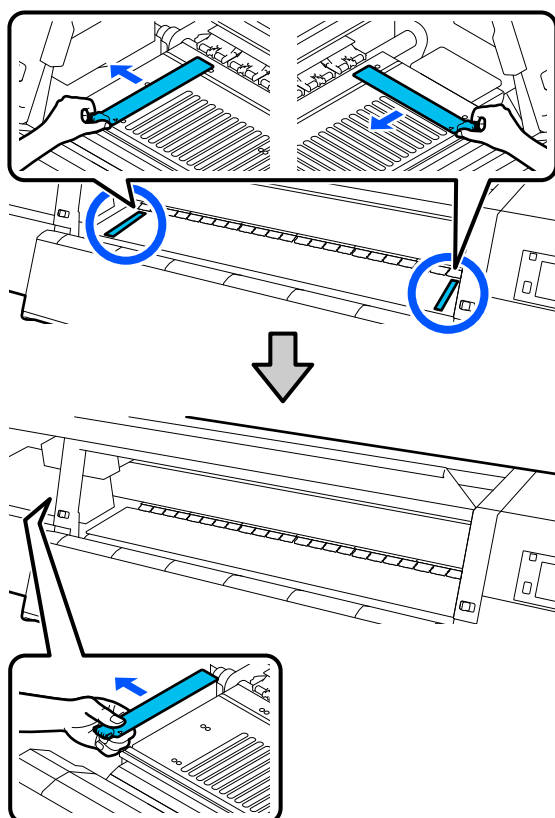
### Maintenance

- 1 Open the left-side maintenance cover while lowering the lock release levers.

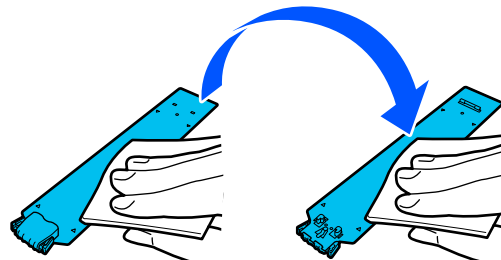


- 2 While holding the tabs of the media edge plate on both sides, move the plate to the left edge of the platen to remove it.

Remove the right media edge plate also from the left side.



- 3 Soak a soft cloth in diluted neutral detergent, wring it out thoroughly, and then wipe off any glue or ink that has adhered to the front and back of the media edge plates.

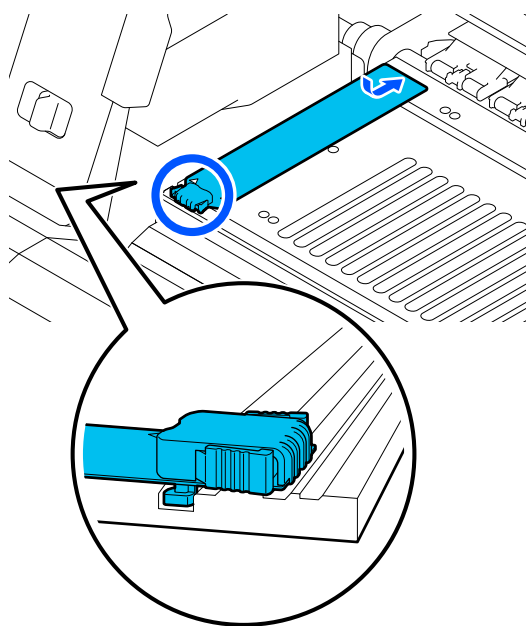
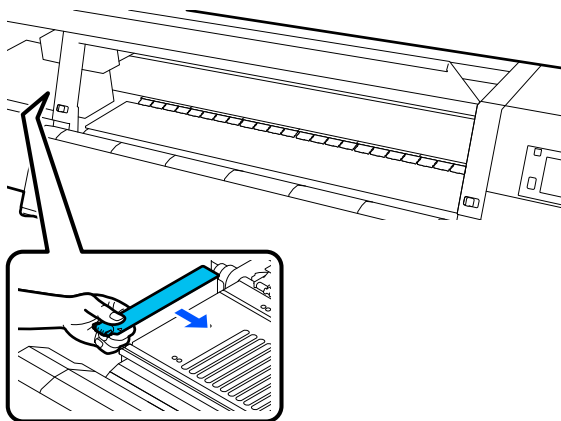


## Maintenance

- 4** After wiping off stains, insert the media edge plate from the left side of the platen.

Insert the right media edge plate also from the left side.

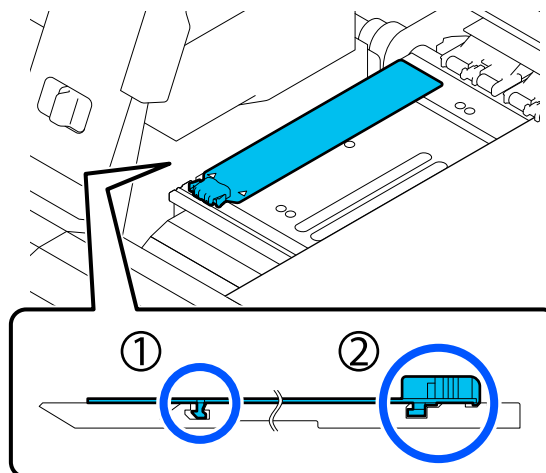
When inserting the plate, attach the hooked sections to the front corner of the platen while pressing the tip of the metallic plate against the platen.



- 5** Check that two hooked sections at the rear of the media edge plate are securely applied as shown below and that they are attached with no gap between the platen and media edge plate.

(1) Hook into the tip: Corners of the platen

(2) Hook into the rear of tab: Front corner of the platen

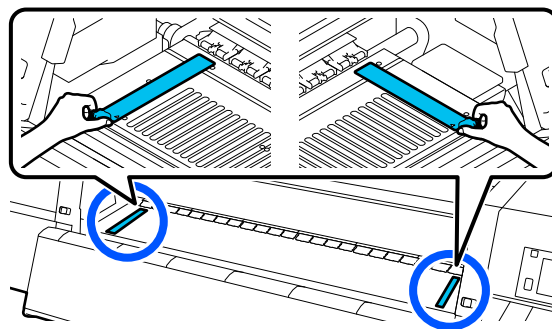


**!** **Important:**

*If hooked sections are not positioned correctly, return to Step 4 to attach them again. Otherwise, the head may be damaged.*

- 6** While holding the tabs of each media edge plate on both sides, move both the plates to the left and right edges of the platen respectively.

Releasing the tab fixes the media edge plate.



- 7** Close the left-side maintenance cover.

## Replacing Consumables

### Replacing Ink Cartridges

If ink is expended, replace the ink cartridge immediately with a new one. You can check the ink level on the Home screen.

"Home screen" on page 24

## Maintenance

Two ink cartridges for each color are loaded into the ink supply unit, so the cartridge not in use can be replaced during printing.

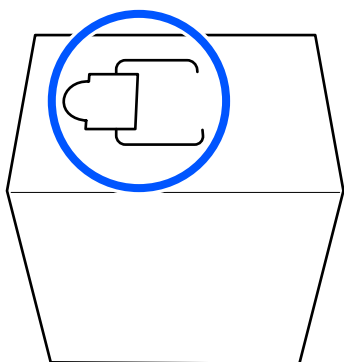
### Replacement procedure

#### **Important:**

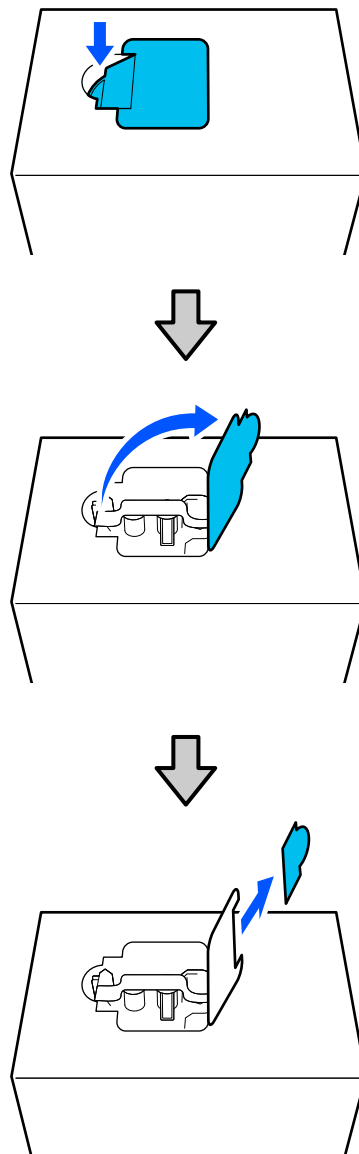
- ❑ *Epson recommends the use of genuine Epson ink cartridges. Epson cannot guarantee the quality or reliability of non-genuine ink. The use of non-genuine ink may cause damage that is not covered by Epson's warranties, and under certain circumstances, may cause erratic printer behavior. Information about non-genuine ink levels may not be displayed, and use of non-genuine ink is recorded for possible use in service support.*
- ❑ *Due to ink characteristics, the ink cartridges of this printer are prone to sedimentation (components settling to the bottom of the liquid). If ink settles, tint unevenness and nozzle clogs occur. Shake a new ink cartridge before installing it. After installing it in the printer, remove and shake it periodically.*

#### Opening and shaking

- 1** Place a new ink cartridge on a flat surface with the ink supply outlet slot facing up.



- 2** Use your hands to cut along the dashed lines of the slot to remove the portion shown in the illustration.

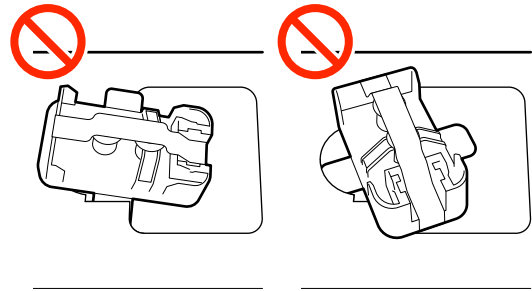
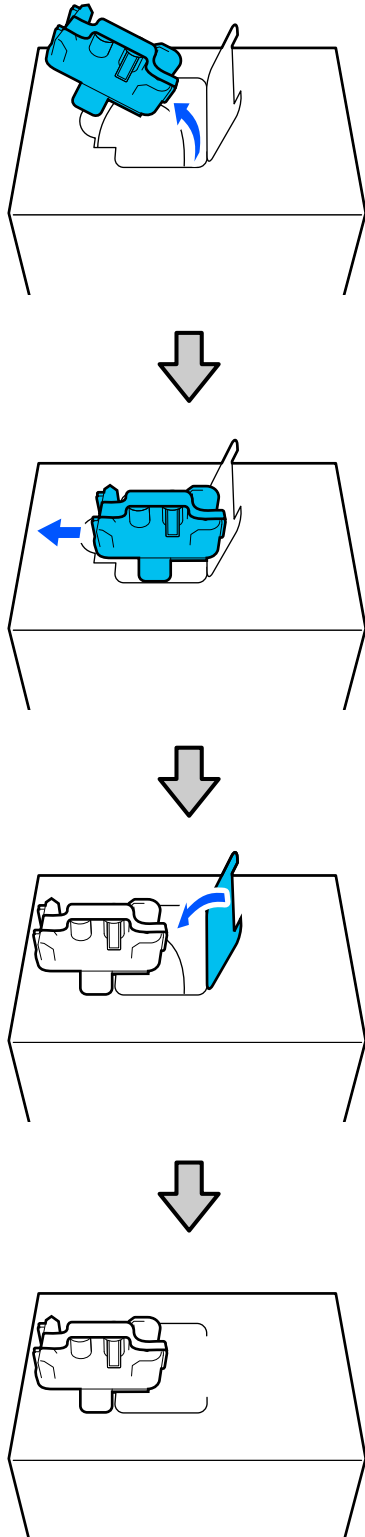


#### **Important:**

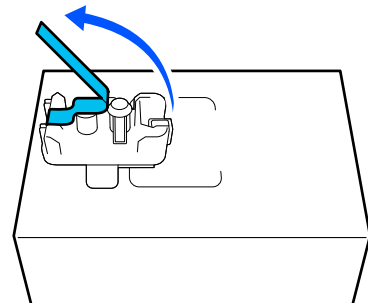
*Do not use a cutter to cut along the dashed lines. Failure to observe this precaution could damage the internal parts and cause ink to leak.*

**Maintenance**

- 3** Take out the ink supply outlet from inside and fix it as shown in the illustration.

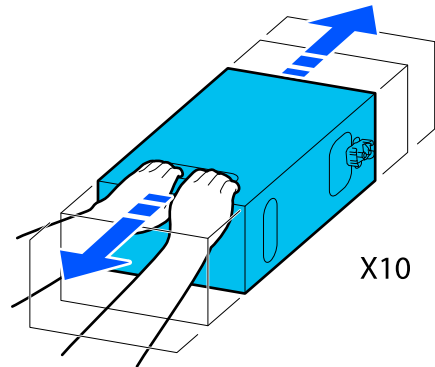


- 4** Remove tape from the surface of ink supply outlet.

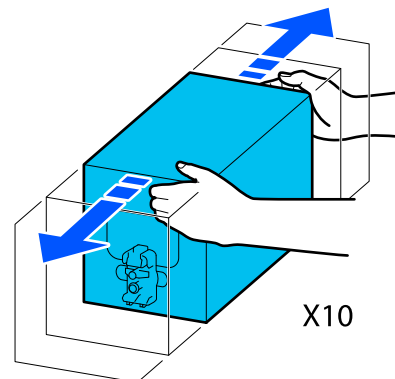


- 5** Place the ink cartridge with the ink supply outlet facing the side, and slide the ink cartridge back and forth longitudinally within the range of approximately 10 cm (3.93 in.) for ten times. Move the ink cartridge at a rate of one back-and-forth cycle per second.

- When using 10 L ink cartridge



- When using 3 L ink cartridge

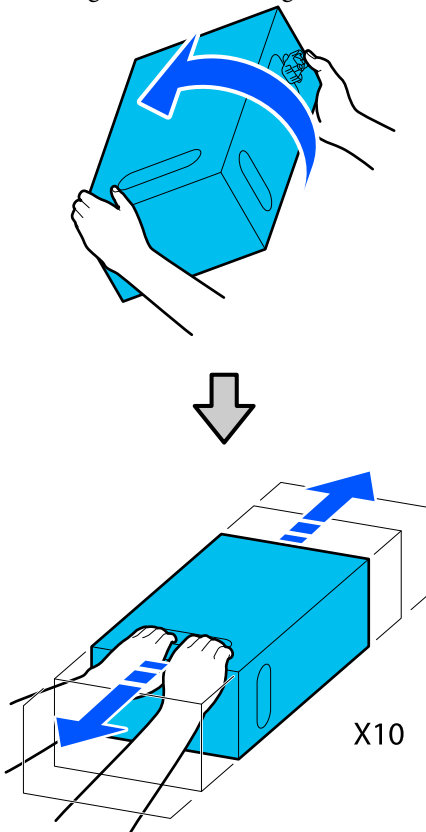


**Maintenance**

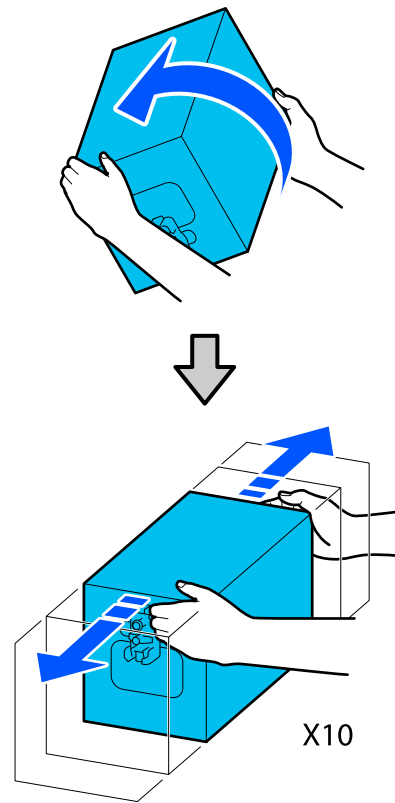
**6** Turn over the ink cartridge and repeat the same cycle for ten times.

Move the ink cartridge at a rate of one back-and-forth cycle per second.

- When using 10 L ink cartridge



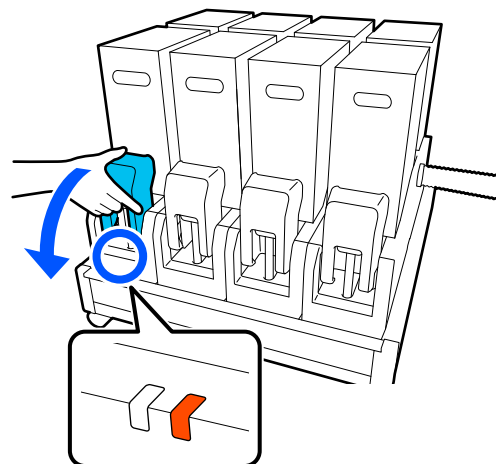
- When using 3 L ink cartridge



**Replacement**

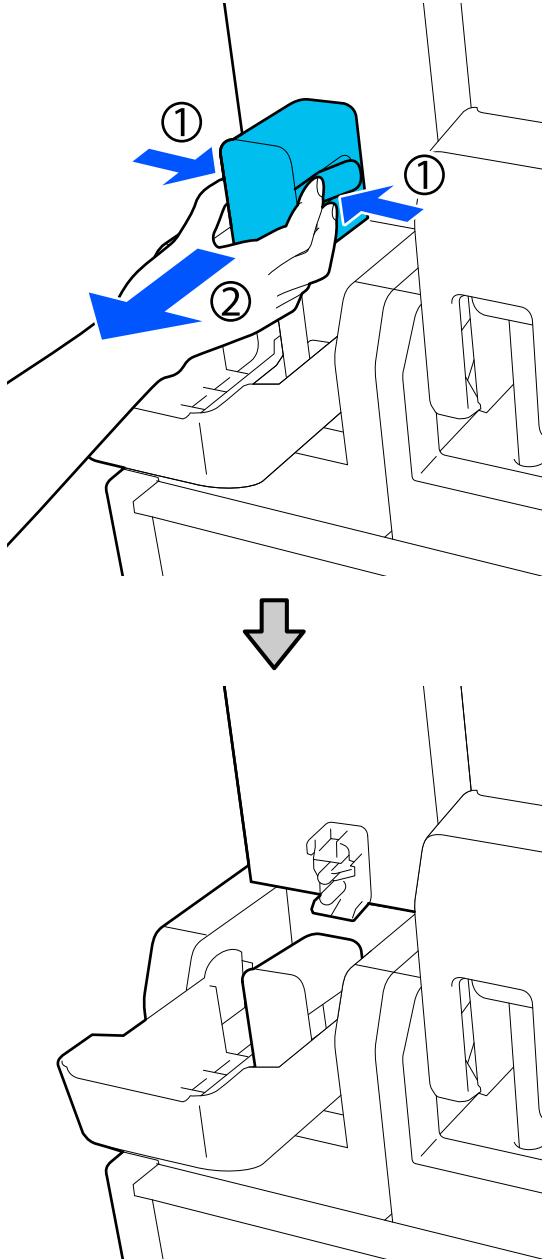
**1** Make sure the printer is on, and then lower the ink cartridge cover of the used ink cartridge toward you.

The ink cartridge with a lit right (orange) lamp is the one that needs to be replaced.



**Maintenance**

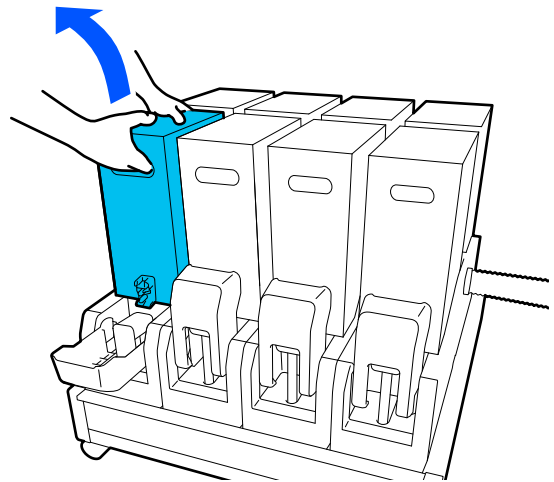
- 2** While pressing the levers on both sides of the connector, pull the connector toward you to remove it, and place the connector on the rear surface of the ink cartridge cover.



**! Important:**

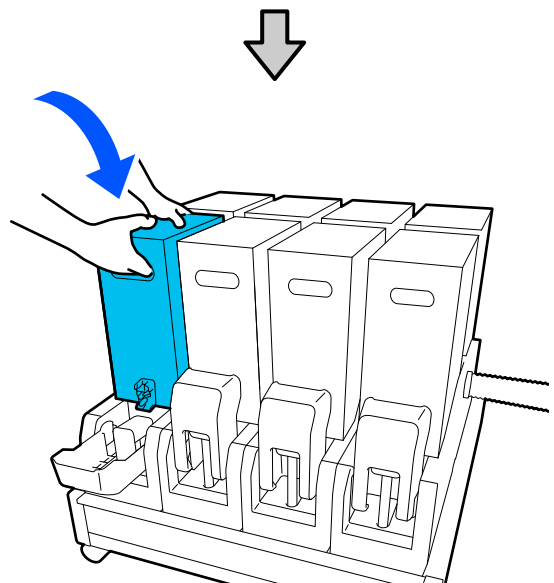
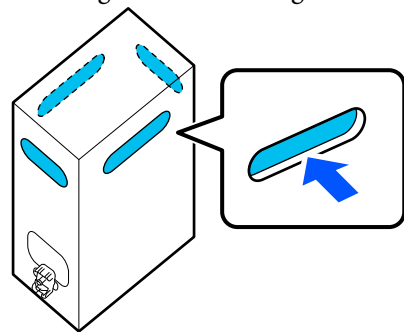
*Do not leave the connector removed from the ink cartridge for more than 30 minutes. Otherwise, the ink will dry out and the printer may not function as expected.*

- 3** Remove the used ink cartridge from the ink supply unit.



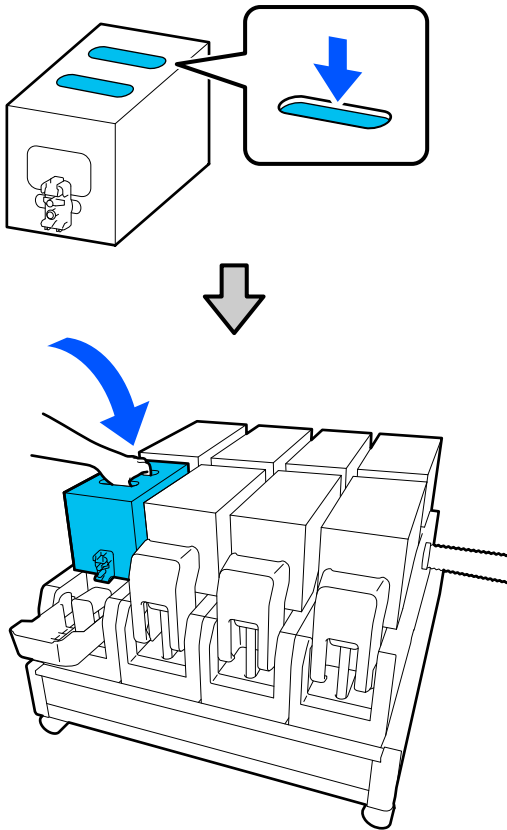
- 4** Open and hold the handle holes of shaken ink cartridge and place the ink cartridge such that the ink supply hole faces the connector.

- When using 10 L ink cartridge



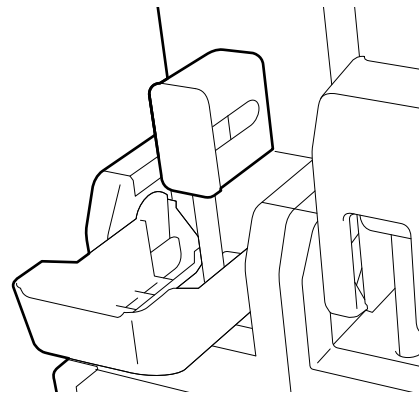
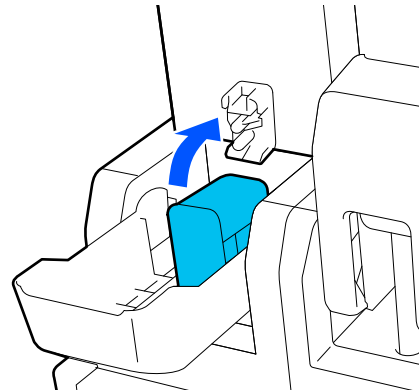
### Maintenance

- When using 3 L ink cartridge

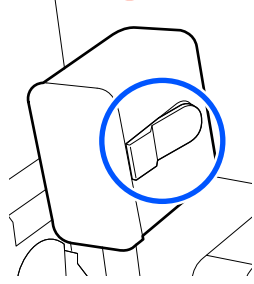
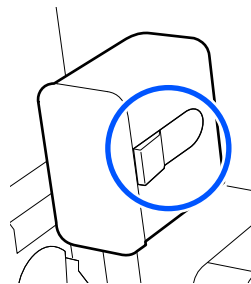


5

- Install the connector to the ink supply outlet.  
Insert the connector until you hear a click.



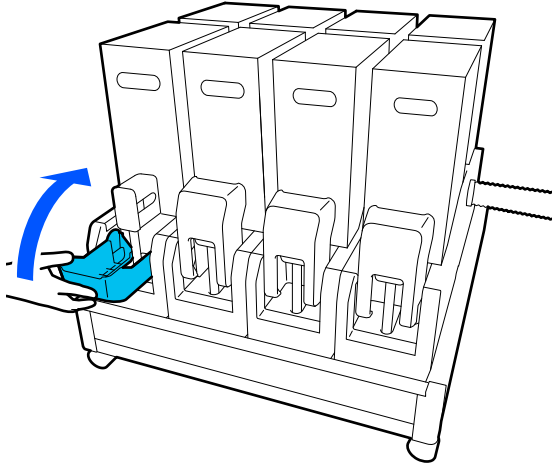
**OK**





## Maintenance

- 6** Raise the ink cartridge cover.



Repeat the opening, shaking and replacement procedures to replace other ink cartridges.

## Other maintenance

### Periodic shaking of ink cartridges

After installing an ink cartridge in the printer, a shake message is displayed on the control panel screen at the following intervals.

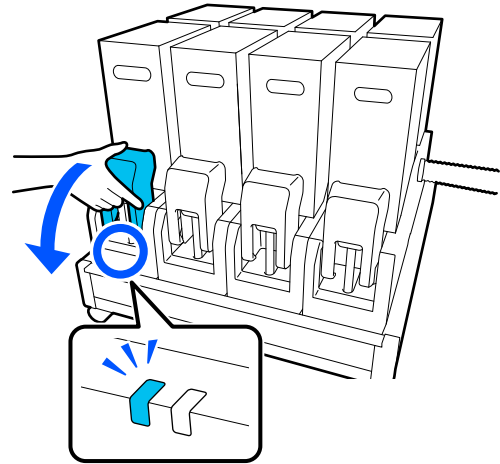
- High Density Black Ink: Once every week
- Other inks: Once every three weeks

If the message appears, remove the ink cartridge immediately and shake it.

The shaking method to be followed after the installation differs from that followed when opening the ink cartridge. Follow the steps below for shaking.

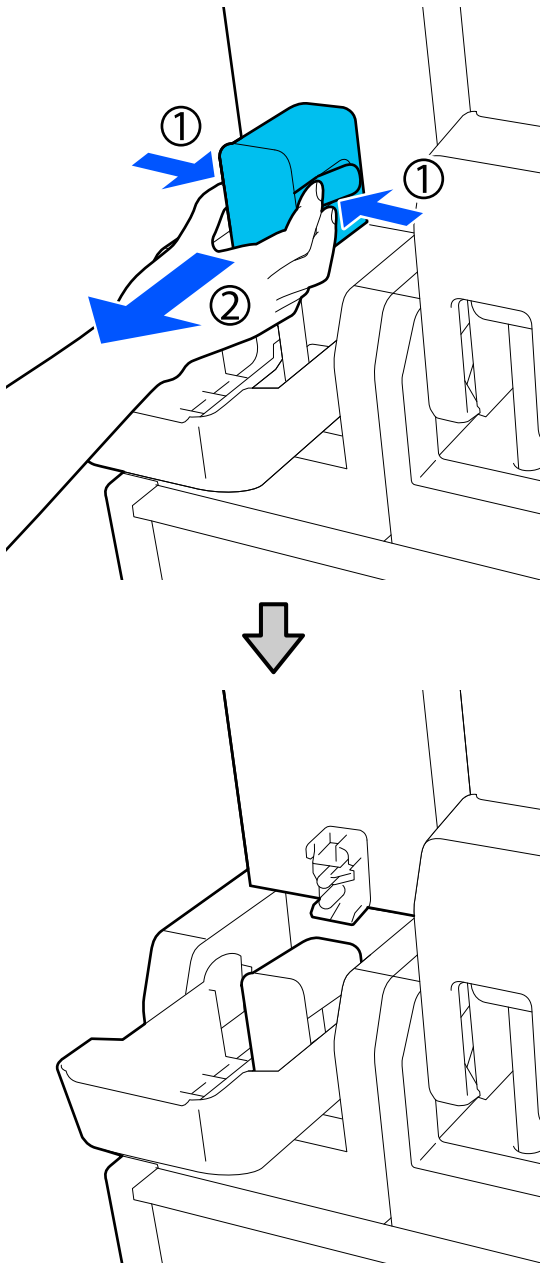
- 1** Make sure the printer is on, and then lower the ink cartridge cover of the ink cartridge to be shaken, toward you.

The ink cartridge with a flashing left (blue) lamp is the one that needs to be shaken.



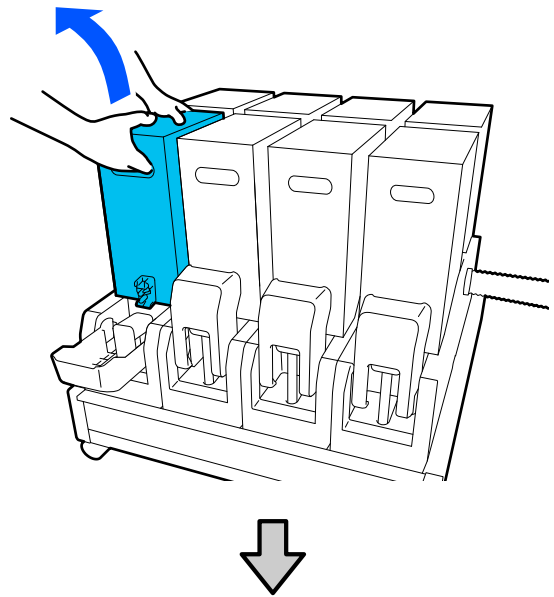
**Maintenance**

- 2** While pressing the levers on both sides of the connector, pull the connector toward you to remove it, and place the connector on the rear surface of the ink cartridge cover.

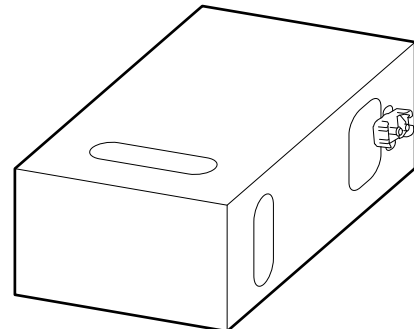


**! Important:**  
 Do not leave the connector removed from the ink cartridge for more than 30 minutes. Otherwise, the ink will dry out and the printer may not function as expected.

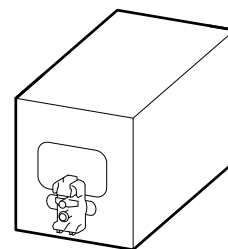
- 3** Remove the ink cartridge from the ink supply unit, and place it on a flat surface with the ink supply outlet facing the side.



- When using 10 L ink cartridge



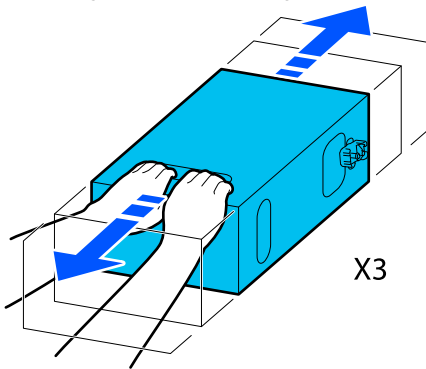
- When using 3 L ink cartridge



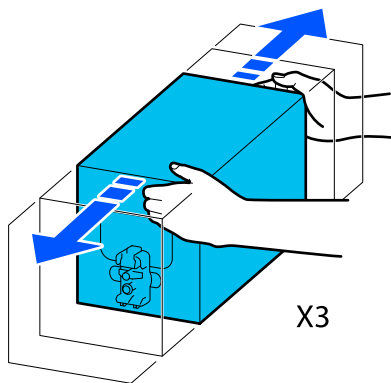
- 4** Slide the ink cartridge back and forth longitudinally within the range of approximately 10 cm (3.93 in.) for three times. Move the ink cartridge at a rate of one back-and-forth cycle per second.

### Maintenance

- When using 10 L ink cartridge



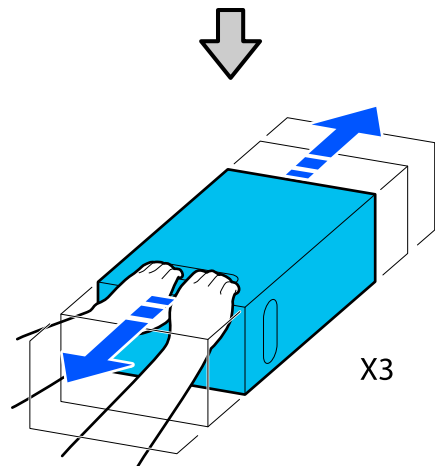
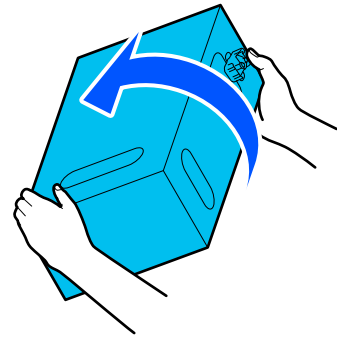
- When using 3 L ink cartridge



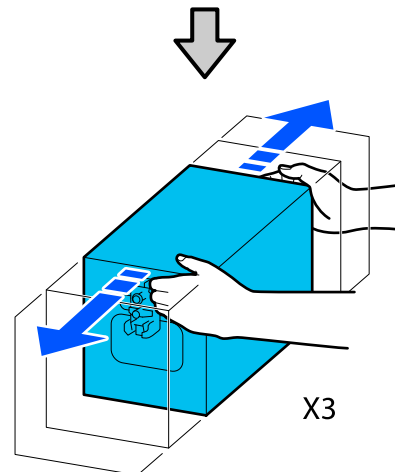
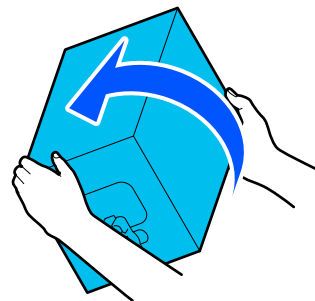
**5** Turn over the ink cartridge and repeat the same cycle for three times.

Move the ink cartridge at a rate of one back-and-forth cycle per second.

- When using 10 L ink cartridge



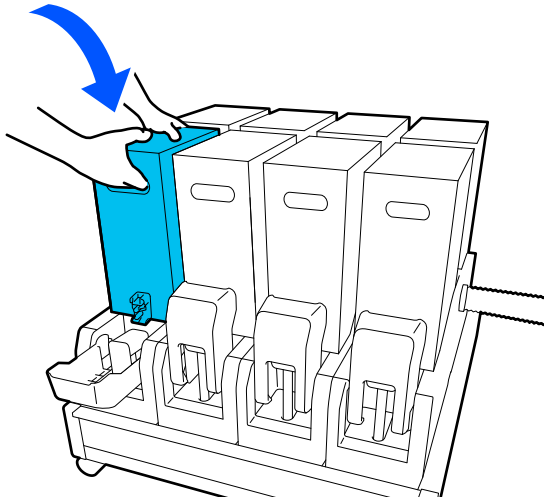
- When using 3 L ink cartridge



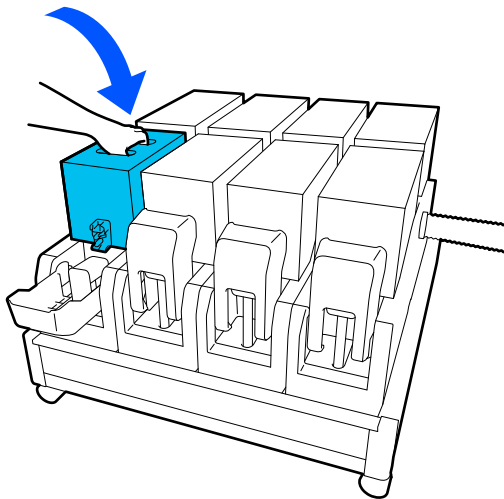
### Maintenance

**6** Place the shaken ink cartridge such that the ink supply hole faces the connector.

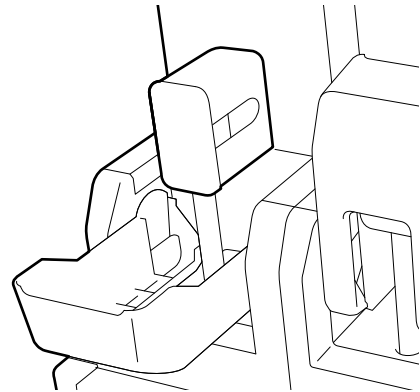
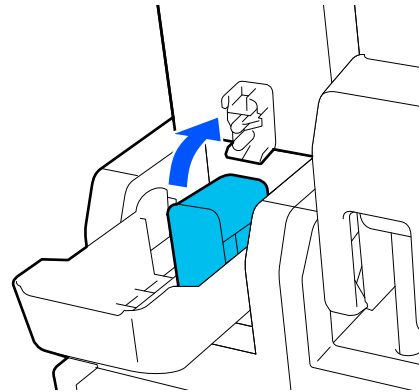
- When using 10 L ink cartridge



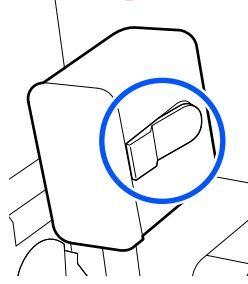
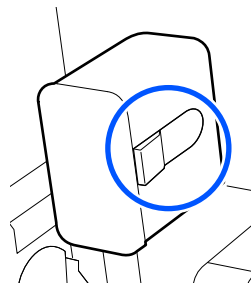
- When using 3 L ink cartridge



**7** Install the connector to the ink supply outlet. Insert the connector until you hear a click.

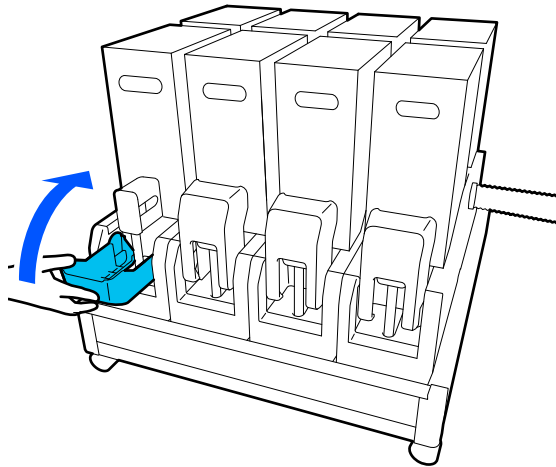


**OK**



## Maintenance

- 8** Raise the ink cartridge cover.



Repeat the same procedure to replace other ink cartridges.

## Checking for clogged nozzles

We recommend that you check the nozzles for clogs each time you print to ensure quality results.

### Ways to Check for Clogs

There are three ways to check for clogs.

#### On-Demand Nozzle Pattern.

When you want to check that there is no clogging or stripes and unevenness in print results before printing, print a nozzle check pattern. Inspect the printed check pattern visually to determine whether the nozzles are clogged.

See the following for details.

 [“Printing nozzle check patterns” on page 101](#)

Depending on the width of the loaded media, you can save media by printing additional test patterns in the space beside an existing pattern:

#### Set Nozzle Check Pattern for Information Printing.


This prints a check pattern on the left and right edges of the media during printing. Inspect the check pattern visually to determine whether nozzles were clogged during printing.

#### Set Nozzle Check between Pages.

A check pattern is printed according to the Execution Timing that is set. You can visually inspect the check pattern to determine whether there may be faint or missing colors in the preceding or following printout.

You can set one of Print Length, Print Page, or Print Duration for Execution Timing.

## Printing nozzle check patterns

- 1** Check that the printer is ready, and then press  in the Home screen.

The Maintenance menu is displayed.

- 2** Press **Print Head Nozzle Check**, set Saving Mode and Print Position, and then press **Start**.

Setting Saving Mode to On shortens the printed length of the check pattern, which reduces the amount of media that is used.

Depending on the width of the media that is loaded, the Print Position can be set. By setting Print Position, you can reduce the amount of media that is used because you can print the patterns in line in the margin in which the first pattern is printed. To print them in line, press the media feed button to rewind the media to the position to print the pattern.

The number of patterns that can be printed in a line varies depending on whether Saving Mode is set, the width of the media that is loaded, and the Margins that are set. The following counts are guidelines.

#### When Saving Mode is Off

SC-F11000H Series/SC-F10000H Series:

- If the width is equal to or greater than 64 inches but less than 76 inches, up to 3 patterns can be printed in line (one on the Right, one in the Center Right, and one on the Center Left).
- If the width is equal to or greater than 43 inches but less than 64 inches, up to 2 patterns can be printed in line (one on the Right and one in the Center Right).
- If the width is less than 43 inches or Width Detection is set to Off, printing in line cannot be done.

SC-F11000 Series/SC-F10000 Series:

## Maintenance

- ❑ If the width is equal to or greater than 62 inches but less than 76 inches, up to 4 patterns can be printed in line (one on the Right, one in the Center Right, one in the Center Left, and one on the Left).
- ❑ If the width is equal to or greater than 47 inches but less than 62 inches, up to 3 patterns can be printed in line (one on the Right, one in the Center Right, and one on the Center Left).
- ❑ If the width is equal to or greater than 32 inches but less than 47 inches, up to 2 patterns can be printed in line (one on the Right and one in the Center Right).
- ❑ If the width is less than 32 inches or Width Detection is set to Off, printing in line cannot be done.

### When Saving Mode is On

SC-F11000H Series/SC-F10000H Series:

- ❑ If the width is equal to or greater than 75 inches but less than 76 inches, up to 2 patterns can be printed in line (one on the Right and one in the Center Right).
- ❑ If the width is less than 75 inches or Width Detection is set to Off, printing in line cannot be done.

SC-F11000 Series/SC-F10000 Series:

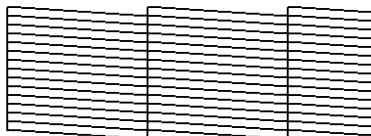
- ❑ If the width is equal to or greater than 53 inches but less than 76 inches, up to 2 patterns can be printed in line (one on the Right and one in the Center Right).
- ❑ If the width is less than 53 inches or Width Detection is set to Off, printing in line cannot be done.

Press **Start** to print a nozzle pattern.

**3**

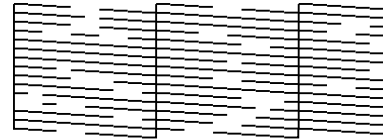
Cut the media as necessary, and then check the printed patterns.

### Example of clean nozzles



If no parts of the check pattern are missing, press **OK**. The Maintenance screen returns.

### Example of clogged nozzles



If parts of the check pattern are missing, press **NG**, and then do Print Head Cleaning.

[“Print Head Cleaning” on page 102](#)

#### **Important:**

*Always remove clogs from the nozzles of all colors before resuming use. If clogged nozzles (including clogged nozzles for colors that are not used) remain when printing after resuming use, the clogs can no longer be removed.*

## Print Head Cleaning

### Types of Cleaning

Print Head Cleaning is split between the following 3 types.

#### **Perform head cleaning as necessary.**

Perform head cleaning if there are faint or missing parts of the check pattern that was printed.

You can perform head cleaning while printing by pausing the job. However, printing may be disturbed when printing is resumed.

See the following for details.

[“Cleaning procedure” on page 103](#)

#### **Set Periodic Cleaning.**

In Maintenance Setting, set Periodic Cleaning to On to do periodic head cleaning as a preventative measure before clogs actually occur in the nozzles. Set one of Print Duration, Print Page, or Print Length for the interval.

## Maintenance

### Set Maintenance Cleaning.

In Maintenance Setting, setting Maintenance Cleaning to On cleans the print heads automatically, after a set period of time has passed, to keep the print heads in good condition.



### Cleaning procedure

Print Head Cleaning has the following three types.

- Auto Cleaning  
The level is automatically changed, according to the condition of the clog detected in a nozzle, and then cleaning is done.
- Cleaning(Light), Cleaning(Medium), Cleaning(Heavy)  
Cleaning is done at one of three selected levels.
- Print Head Refresh  
Powerful cleaning is done with the ink suction function of the suction caps.

Perform Auto Cleaning first. If the clogs are not cleared by doing it, then do in the order of Cleaning(Light), Cleaning(Medium), and Cleaning(Heavy) until the clogs are cleared.

Execute Print Head Refresh if there are multiple large clogs, even though you executed Cleaning(Heavy). When you execute Print Head Refresh, the suction caps need to be cleaned, because of this, the cleaning operation takes a long time, so execute it if you have the problem described above.

- 1**  Check that the printer is ready, and then press .  
The Maintenance menu is displayed.
- 2** Press **Print Head Cleaning**.
- 3** Select a cleaning method.  
Select **Auto Cleaning** first.  
For the second and subsequent cleanings, select in the order of **Cleaning(Light)**, **Cleaning(Medium)** and **Cleaning(Heavy)**.

- 4** Head cleaning starts.  
A cleaning result message is displayed when head cleaning is complete.

- 5** Check the message and click **OK**.  
**If clogging is cleared**

Continue with normal operations.

#### **If clogging is not cleared**

Go back to Step 1 and do Cleaning(Light). After executing Cleaning(Light), execute cleaning at the next higher cleaning level.

#### **If nozzles are still clogged even after performing Cleaning(Heavy)**

The print head or the areas around the anti-drying caps may be soiled. Clean around the print head and anti-drying caps. If there are multiple large clogs, then do Print Head Refresh at the same time.

---

## Checking the circuit breaker's performance

The circuit breaker automatically cuts off the electric circuit when electric leakage has occurred in the printer. Follow the procedure below to check the performance of both circuit breakers about once a month.

The breaker may be changed or removed without notice. The procedure for operation is the same, even when slight changes are made to the Trip button or Test button position or to the description of the breaker.

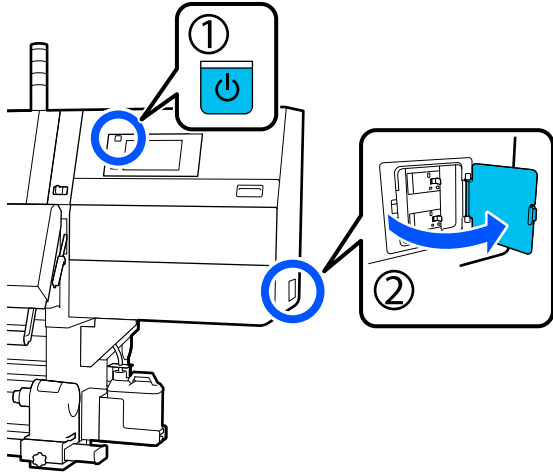
### **Important:**

*Do not turn off the power by using the circuit breaker. Otherwise, the printer may not function as expected.*

## Maintenance

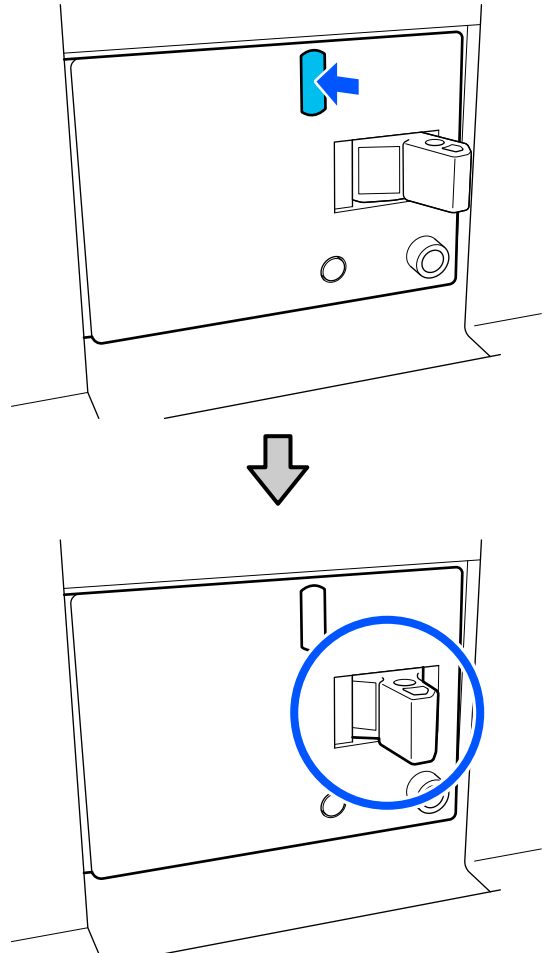
- 1 Turn off the printer and open the circuit breaker cover.

Leave the power plug plugged in. Also, the ground wire must be connected when checking the circuit breaker's performance. Check "Safety Precautions" for details on the ground wire.

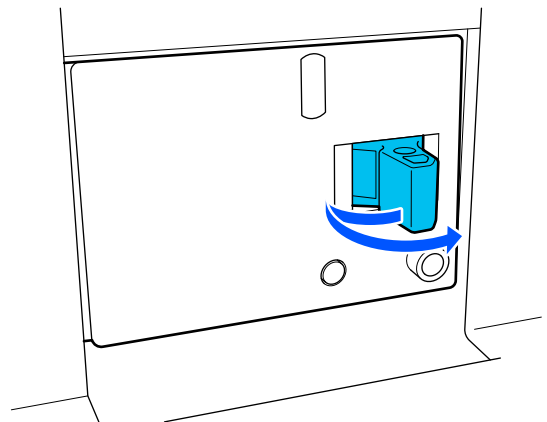


- 2 Press the Trip button of a circuit breaker with a fine-tipped tool such as a ball-point pen.

The breaker is working properly if the breaker switch moves to an intermediate position between ON and OFF.



- 3 If the breaker has worked properly, turn OFF the breaker switch once and turn it back ON.

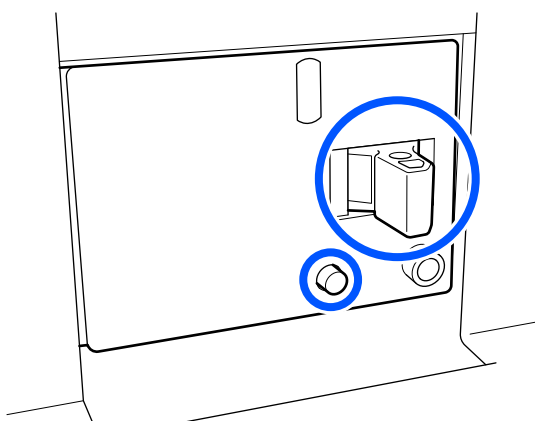
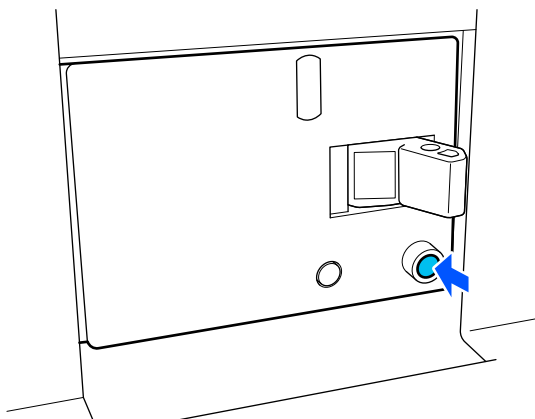




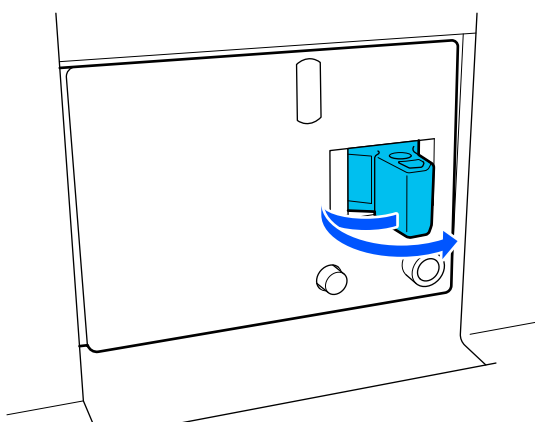
## Maintenance

**4** Press the Test button.

The breaker is working properly if an electric leakage check button protrudes and the breaker switch moves to an intermediate position between ON and OFF.



**5** If the breaker has worked properly, turn OFF the breaker switch once and turn it back ON.



**6** Repeat Steps 2 to 5 to check the performance of the other circuit breaker.

If any abnormality is found, contact your local dealer or Epson service call center.

## Disposal of used consumables

### Disposal

The following used parts with adhered ink are classified as industrial waste.

- Ink cartridges
- Cleaning stick
- Cleaning fluid
- Waste ink
- Waste Ink Bottle
- Wiper Roll
- Media after printing

Dispose of items according to local laws and regulations. For example, contract a industrial waste disposal company for disposal. In such cases, submit the "Safety data sheet" to the industrial waste disposal company.

You can download it at your local Epson Web site.

## Appendix

# Appendix

For the latest information, see the Epson Web site. (as of December, 2023)

## Options and Consumable Products

### Ink cartridges

Printer model	Product		Part number
SC-F11000H SC-F10000H SC-F11060H SC-F10060H	Ink cartridges (10000 ml)	High Density Black	T43H1
		Cyan	T43H2
		Magenta	T43H3
		Yellow	T43H4
		Light Cyan	T43H5
		Light Magenta	T43H6
		Fluorescent Yellow	T43H7
		Fluorescent Pink	T43H8
		Orange (Only for SC-F11000H/SC-F11060H)	T43HA
		Violet (Only for SC-F11000H/SC-F11060H)	T43HD
	Ink cartridges (3000 ml)	High Density Black	T43B1
		Cyan	T43B2
		Magenta	T43B3
		Yellow	T43B4
		Light Cyan	T43B5
		Light Magenta	T43B6
Fluorescent Yellow		T43B7	
Fluorescent Pink		T43B8	

**Appendix**

Printer model	Product	Part number	
SC-F11030H SC-F10030H	Ink cartridges (10000 ml)	High Density Black	T43G1
		Cyan	T43G2
		Magenta	T43G3
		Yellow	T43G4
		Light Cyan	T43G5
		Light Magenta	T43G6
		Fluorescent Yellow	T43G7
		Fluorescent Pink	T43G8
		Orange (Only for SC-F11030H)	T43GA
		Violet (Only for SC-F11030H)	T43GD
	Ink cartridges (3000 ml)	High Density Black	T43A1
		Cyan	T43A2
		Magenta	T43A3
		Yellow	T43A4
		Light Cyan	T43A5
Light Magenta		T43A6	
Fluorescent Yellow		T43A7	
Fluorescent Pink		T43A8	

**Appendix**

Printer model	Product	Part number
SC-F11070H SC-F10070H	Ink cartridges (10000 ml)*	High Density Black
		Cyan
		Magenta
		Yellow
		Light Cyan
		Light Magenta
		Fluorescent Yellow
		Fluorescent Pink
		Orange (Only for SC-F11070H)
		Violet (Only for SC-F11070H)
	Ink cartridges (3000 ml)	High Density Black
		Cyan
		Magenta
		Yellow
		Light Cyan
		Light Magenta
		Fluorescent Yellow
		Fluorescent Pink

**Appendix**

Printer model	Product		Part number
SC-F11080H SC-F10080H	Ink cartridges (10000 ml)	High Density Black	T43K1 / T56K1*
		Cyan	T43K2 / T56K2*
		Magenta	T43K3 / T56K3*
		Yellow	T43K4 / T56K4*
		Light Cyan	T43K5 / T56K5*
		Light Magenta	T43K6 / T56K6*
		Fluorescent Yellow	T43K7
		Fluorescent Pink	T43K8
		Orange (Only for SC-F11080H)	T43KA
		Violet (Only for SC-F11080H)	T43KD
	Ink cartridges (3000 ml)	High Density Black	T43D1
		Cyan	T43D2
		Magenta	T43D3
		Yellow	T43D4
		Light Cyan	T43D5
		Light Magenta	T43D6
		Fluorescent Yellow	T43D7
		Fluorescent Pink	T43D8
SC-F11000 SC-F10000 SC-F11060 SC-F10060	Ink cartridges (10000 ml)	High Density Black	T43H1
		Cyan	T43H2
		Magenta	T43H3
		Yellow	T43H4
	Ink cartridges (3000 ml)	High Density Black	T43B1
		Cyan	T43B2
		Magenta	T43B3
		Yellow	T43B4

## Appendix

Printer model	Product		Part number
SC-F11030 SC-F10030	Ink cartridges (10000 ml)	High Density Black	T43G1
		Cyan	T43G2
		Magenta	T43G3
		Yellow	T43G4
	Ink cartridges (3000 ml)	High Density Black	T43A1
		Cyan	T43A2
		Magenta	T43A3
		Yellow	T43A4
SC-F11070 SC-F10070	Ink cartridges (10000 ml)*	High Density Black	T43M1
		Cyan	T43M2
		Magenta	T43M3
		Yellow	T43M4
	Ink cartridges (3000 ml)	High Density Black	T43F1
		Cyan	T43F2
		Magenta	T43F3
		Yellow	T43F4
SC-F11080 SC-F10080	Ink cartridges (10000 ml)	High Density Black	T43K1
		Cyan	T43K2
		Magenta	T43K3
		Yellow	T43K4
	Ink cartridges (3000 ml)	High Density Black	T43D1
		Cyan	T43D2
		Magenta	T43D3
		Yellow	T43D4

\* Not available in all regions.

Epson recommends the use of genuine Epson ink cartridges. Epson cannot guarantee the quality or reliability of nongenuine ink. The use of non-genuine ink may cause damage that is not covered by Epson's warranties, and under certain circumstances, may cause erratic printer behavior.

Information about non-genuine ink levels may not be displayed, and use of non-genuine ink is recorded for possible use in service support.

## Appendix

## Others

Product	Part number	Explanation
Cleaning Kit (except for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210103	The following consumable items are included in one maintenance set. <input type="checkbox"/> Cleaning fluid (x1) <input type="checkbox"/> Cup (x1) <input type="checkbox"/> Gloves (x16) <input type="checkbox"/> Cleaning stick (x50)
Cleaning Kit (for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210104	
Wiper Roll (except for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210065	Identical to the Wiper Roll supplied with the printer.
Wiper Roll (for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210066	
Waste Ink Bottle (except for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210071	Identical to the Waste Ink Bottle supplied with the printer.
Waste Ink Bottle (for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C13S210072	
Take Up Media Holder* (except for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C12C933881	Identical to the media holder of Auto Take-up Reel Unit for this printer.
Take Up Media Holder (for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C12C933891	
Take In Media Holder* (except for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C12C933901	Identical to the media holder of Media Feeding Unit for this printer.
Take In Media Holder (for SC-F11080H/SC-F11080/ SC-F10080H/SC-F10080)	C12C933911	
Media Cleaner Brush*	C12C936031	Identical to the Media Cleaner Brush supplied with the printer.
Presser Roller Spacer*	C12C936041	Identical to the Presser Roller Spacer supplied with the printer.

\* Contact your Epson sales representative for availability.

## Appendix

# Supported Media

The following media can be used with the printer.

Print quality is greatly affected by the type and quality of media used. Choose a media suited to the task at hand. For information on use, refer to the documentation supplied with the media or contact the manufacturer. Before buying media in large quantities, try printing on a smaller sample and check the results.



**Caution:**

*Because the media is heavy, it should not be carried by one person.*

*We recommend using a lifter for media that weighs over 40 kg (88.18 lb.).*



**Important:**

*Do not use media that is wrinkled, scuffed, torn, or dirty.*

### Roll media

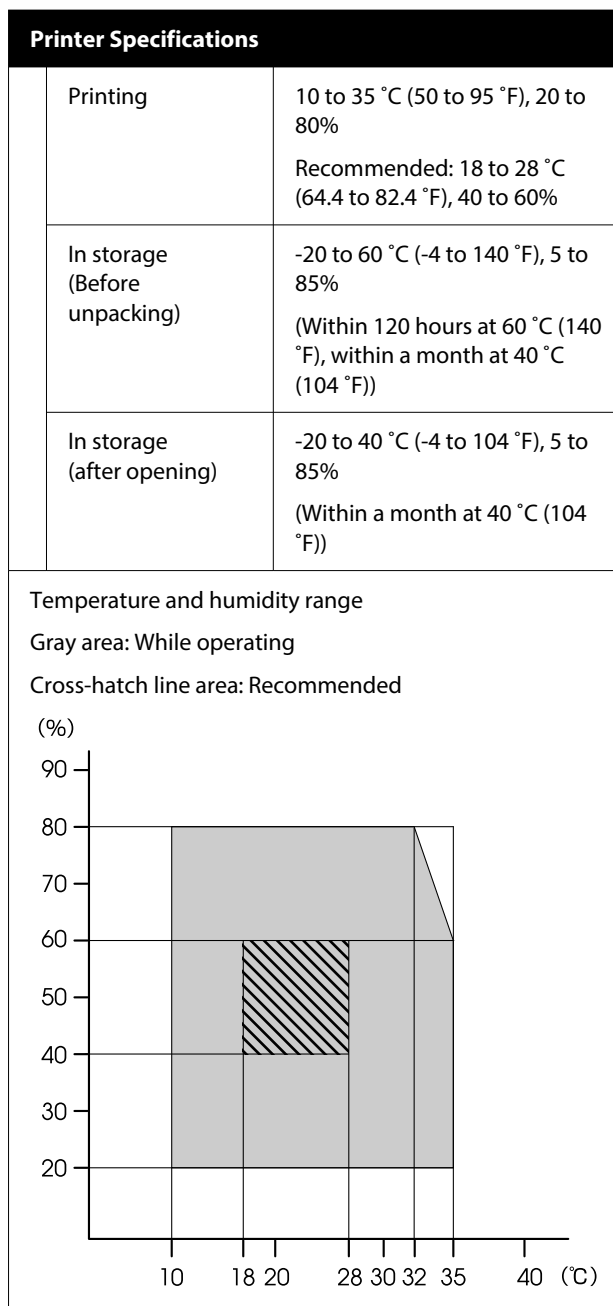
Roll core size	2 or 3 inch
Roll outer diameter	Maximum 250 mm (9.84 in.) (standard type Media Feeding Unit/Auto Take-up Reel Unit)  Maximum 500 mm (19.68 in.) (large capacity type Media Feeding Unit)
Media width	300 to 1950 mm (11.81 to 76.77 in.)(76 inches)
Media thickness	Up to 1 mm (0.03 in.)
Roll weight	Maximum 60 kg (132 lb.) (standard type Media Feeding Unit/Auto Take-up Reel Unit)  Maximum 300 kg (661.38 lb.) (large capacity type Media Feeding Unit)



Appendix

# Specifications Table

Printer Specifications	
Printing method	On-demand ink jet
Nozzle configuration	SC-F11000H Series: 400 nozzles × 2 rows × 4 chips × 6 colors (High Density Black, Cyan, Magenta, Yellow, Light Cyan/ Fluorescent Yellow/Orange, Light Magenta/Fluorescent Pink/Violet)
	SC-F10000H Series: 400 nozzles x 2 rows x 4 chips x 6 colors (High Density Black, Cyan, Magenta, Yellow, Light Cyan/Fluorescent Yellow, Light Magenta/Fluorescent Pink)
	SC-F11000 Series /SC-F10000 Series: 400 nozzles x 2 rows x 4 chips x 4 colors (High Density Black, Cyan, Magenta, Yellow)
Resolution (maximum)	1200 × 1200 dpi (With 300 × 300 dpi 16 Half Tone layers.)
Control code	ESC/P raster (undisclosed command)
Media Feed Method	Friction feed
Rated voltage (#1, #2)	AC 200 to 240 V
Rated frequency (#1, #2)	50/60 Hz
Rated current (#1, #2)	16 A
Power consumption (total for numbers #1 and #2)	SC-F11000H Series / SC-F10000H Series: Printing: Approx. 4.4 kW Sleep mode: Approx. 230 W Power off: Approx. 9.6 W
	SC-F11000 Series / SC-F10000 Series: Printing: Approx. 3.9 kW Sleep mode: Approx. 221 W Power off: Approx. 9.6 W
Temperature and humidity (without condensation)	



**Appendix**

<b>Printer Specifications (standard type Media Feeding Unit/Auto Take-up Reel Unit)</b>	
Dimension	<p><b>Printer</b></p> <p>When stored: 3710 (W) x 1303 (D) x 1886 (H) mm (146 [W] x 51.29 [D] x 74.25 [H] in.)</p> <p>When at maximum size: 3710 (W) x 1350 (D) x 1931 (H) mm (146 [W] x 53.14 [D] x 76.02 [H] in.)</p> <p>Take Up Media Holder: 280 (W) x 236 (D) x 352 (H) mm (11.02 [W] x 9.29 [D] x 13.85 [H] in.)</p> <p>Take In Media Holder: 280 (W) x 285 (D) x 352 (H) mm (11.02 [W] x 11.22 [D] x 13.85 [H] in.)</p>
	<p><b>Ink supply unit</b></p> <p>SC-F11000H Series/ SC-F10000H Series:</p> <p>1278 (W) x 556 (D) x 541 (H) mm (50.31 [W] x 21.88 [D] x 21.29 [H] in.) (ink supply unit only)</p> <p>1278 (W) x 556 (D) x 580 (H) mm (50.31 [W] x 21.88 [D] x 22.83 [H] in.) (when 3 L ink cartridge is installed)</p> <p>1278 (W) x 556 (D) x 790 (H) mm (50.31 [W] x 21.88 [D] x 31.10 [H] in.) (when 10 L ink cartridge is installed)</p> <p>SC-F11000 Series/SC-F10000 Series:</p> <p>877 (W) x 556 (D) x 541 (H) mm (34.52 [W] x 21.88 [D] x 21.29 [H] in.) (ink supply unit only)</p> <p>877 (W) x 556 (D) x 580 (H) mm (34.52 [W] x 21.88 [D] x 22.83 [H] in.) (when 3 L ink cartridge is installed)</p> <p>877 (W) x 556 (D) x 790 (H) mm (34.52 [W] x 21.88 [D] x 31.10 [H] in.) (when 10 L ink cartridge is installed)</p>

<b>Printer Specifications (standard type Media Feeding Unit/Auto Take-up Reel Unit)</b>	
Weight*	<p><b>Printer</b></p> <p>Total weight (SC-F11000H Series/SC-F10000H Series): Approx. 687 kg (1515 lb.)</p> <p>Total weight (SC-F11000 Series/SC-F10000 Series): Approx. 683 kg (1506 lb.)</p> <p>Take Up Media Holder: Approx. 7 kg (15.43 lb.)</p> <p>Take In Media Holder: Approx. 7 kg (15.43 lb.)</p>
	<p><b>Ink supply unit</b></p> <p>SC-F11000H Series/ SC-F10000H Series: Approx. 80 kg (176.37 lb.)</p> <p>SC-F11000 Series/SC-F10000 Series: Approx. 53 kg (116.84 lb.)</p>

\* Ink not included.

Appendix

Printer Specifications (large capacity type Media Feeding Unit and standard type Auto Take-up Reel Unit)	
Dimension	<p>Printer</p> <p>When stored: 3710 (W) x 1740 (D) x 1886 (H) mm (146 [W] x 68.50 [D] x 74.25 [H] in.)</p> <p>When at maximum size: 3710 (W) x 1839 (D) x 1931 (H) mm (146 [W] x 72.40 [D] x 76.02 [H] in.)</p> <p>Take Up Media Holder: 280 (W) x 236 (D) x 352 (H) mm (11.02 [W] x 9.29 [D] x 13.85 [H] in.)</p> <p>Ink supply unit</p> <p>SC-F11000H Series:</p> <p>1278 (W) x 556 (D) x 541 (H) mm (50.31 [W] x 21.88 [D] x 21.29 [H] in.) (ink supply unit only)</p> <p>1278 (W) x 556 (D) x 580 (H) mm (50.31 [W] x 21.88 [D] x 22.83 [H] in.) (when 3 L ink cartridge is installed)</p> <p>1278 (W) x 556 (D) x 790 (H) mm (50.31 [W] x 21.88 [D] x 31.10 [H] in.) (when 10 L ink cartridge is installed)</p> <p>SC-F11000 Series:</p> <p>877 (W) x 556 (D) x 541 (H) mm (34.52 [W] x 21.88 [D] x 21.29 [H] in.) (ink supply unit only)</p> <p>877 (W) x 556 (D) x 580 (H) mm (34.52 [W] x 21.88 [D] x 22.83 [H] in.) (when 3 L ink cartridge is installed)</p> <p>877 (W) x 556 (D) x 790 (H) mm (34.52 [W] x 21.88 [D] x 31.10 [H] in.) (when 10 L ink cartridge is installed)</p>
Weight*	<p>Printer</p> <p>Total weight (SC-F11000H Series): Approx. 895 kg (1973 lb.)</p> <p>Total weight (SC-F11000 Series): Approx. 864 kg (1905 lb.)</p> <p>Take Up Media Holder: Approx. 7 kg (15.43 lb.)</p>

\* Ink not included.



**Important:**

Use this printer at altitudes below 2000 m (6561 ft.).



**Warning:**

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

**For California customers only**

The lithium batteries in this product contain Perchlorate Material - special handling may apply.

See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

**Appendix**

Interface Specifications	
USB port for a computer	USB 3.0 (SuperSpeed USB)
Wired LAN compliance standard	1000Base-T*1
Network printing protocols/functions	EpsonNet Print (Windows)*2 Standard TCP/IP (Windows)*3 WSD (Windows)*3 Bonjour (Mac)*3 IPP (Windows)*3 IPP (Mac)*3 FTP*3

Interface Specifications	
Security standards/protocols	IEEE802.1X (Ethernet)
	IPsec (v4/v6), IP filtering
	SSL/TLS:
	HTTPS Server (Web Config)
	IPPS Server
	SMTSP Client (Email send)
	STARTTLS (SMTSP)
	Root certificate (client)
	Root certificate version 2.01
	Root certificate update (client)
CA-signed certificate (server)	
CA certificate	
CSR generation (server)	
Self-signed certificate (server)	
EC key CSR/self-signed certificate generation (server)	
Certificate, secret key import	
OpenSSL version: 1.0.2j	
Supported TLS versions: 1.0/1.1/1.2	
Authentication for email sending:	
POP before SMTP	
APOP	
SMTP authentication (Kerberos/NTLMv1/CRAM-MD5/PLAIN/LOGIN)	
Authentication for IPP printing: HTTP Basic authentication	
MIB access authentication, encryption: SNMPv3	

\*1 Use a shielded twisted pair cable (category 5e or better).

\*2 IPv4 compliant.

\*3 IPv4 and IPv6 compliant.

## Appendix

Ink Specifications	
Type	Special ink cartridges
Sublimation dye ink	SC-F11000H Series: High Density Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta, Fluorescent Yellow, Fluorescent Pink, Orange, Violet  SC-F10000H Series: High Density Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta, Fluorescent Yellow, Fluorescent Pink
	SC-F11000 Series/SC-F10000 Series: High Density Black, Cyan, Magenta, Yellow
Use by date	See the date printed on the ink cartridge (stored at normal temperature)
Print quality guarantee expiry	Six months (from date ink cartridge is opened)
Storage temperature	5 to 35 °C (41 to 95 °F)
Ink cartridge capacity	10000 ml, 3000 ml
Ink cartridge dimensions	10000 ml: 150 (W) × 235 (D) × 412 (H) mm (5.90 [W] × 9.25 [D] × 16.22 [H] in.)  3000 ml: 158 (W) × 260 (D) × 168 (H) mm (6.22 [W] × 10.23 [D] × 6.61 [H] in.)

**Note:**

To ensure the colors you want to print, maintain a constant room temperature of 18 to 28 °C (64.4 to 82.4 °F).

### Information of EU declaration of conformity

The full text of the EU declaration of conformity of this equipment is available at the following internet address.

<http://www.epson.eu/conformity>