

COLOR LABEL PRINTER SCL-4000D Installation Procedure



How to Read This Guide

When Using the Included Parts

When the parts supplied with this product are required to be used in the installation procedure, the following symbol indicating that the parts are supplied with the product is shown in the illustration.



Packaged Item

About the Symbols Used in Illustrations

In this guide, operations performed frequently are represented by the following symbols:

Screw



Tighten



Remove

Connector



Connect



Disconnect

Harness



Secure



Free

Claw



Insert



Remove



Push



Plug in



Turn on

Checking instruction



Check



Visual Check



Sound Check

Check Before Installation

Installation requirements are listed below.

Checking the Power Supply

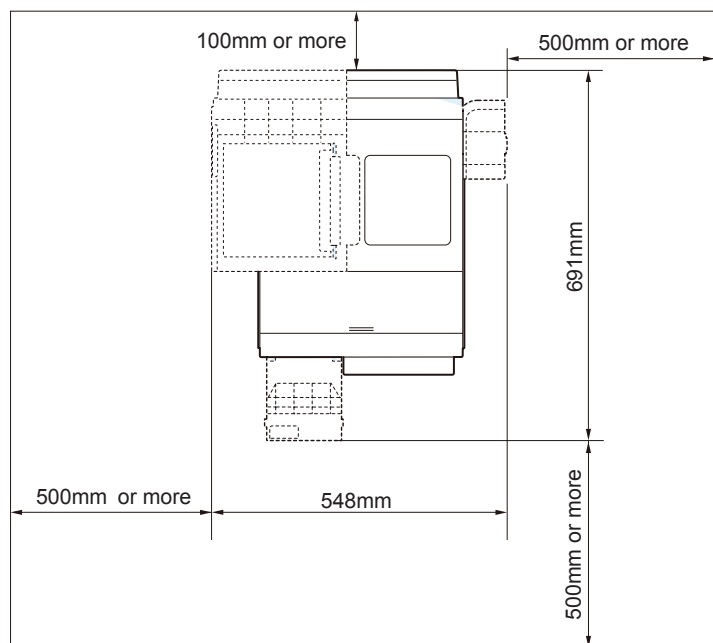
1. Power Cord of Printer must be connectable to the outlet (100V - 240V AC +10%/-15%) exclusively.
2. There must be an easily accessible outlet near Printer.

Checking the Installation Environment

1. The installation environment must be as described below. Avoid installing Printer near the faucet, water heater, humidifier, or refrigerator.
 - Operating temperature range: 5 to 35 degrees Celsius
 - Operating humidity range: 10%RH to 90%RH
2. Avoid placing Printer in place exposed to high temperature and humidity, extremely low temperature, severe temperature changes, and direct sunlight. Especially, avoid placing Printer near fire, out of doors, in distribution warehouse, or in refrigerator.
3. Avoid installing Printer in an area subject to dust
4. The room must be well-ventilated properly.
5. None of Printer feet should float. The machine must be held level constantly.
6. When placing Printer on desk, table or the like, it must be sturdy and stable enough to support weight of Printer.

Checking the Installation Space

1. The minimum space required for installation is shown below.

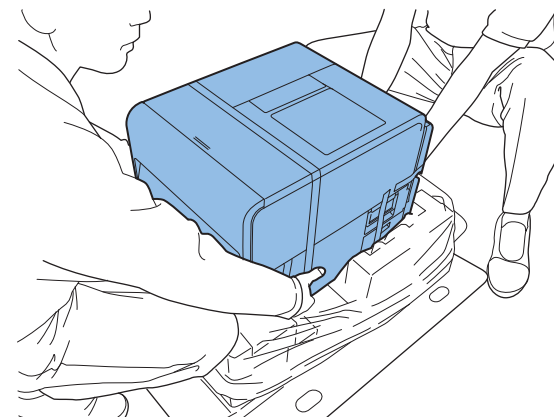


F-1-1

Installation Precautions

When installing Printer, observe the following precautions:

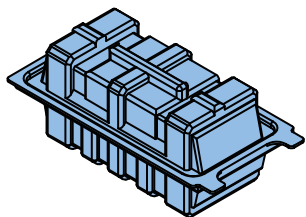
- 1) Imaging faults can result due to dew condensation that occurs when the machine is moved from a cold place to a warm place. Leave the unpacked machine as it is for at least two hours before installing it.
(Dew condensation: When a metallic object is brought from a low-temperature place to a high-temperature place, water vapor around it is cooled abruptly and consequently water drops stick to the surface of the metallic object.)
- 2) Printer weighs about 24 kg. At least two persons are required to install it. In addition, be sure to keep the machine leveled when lifting it.



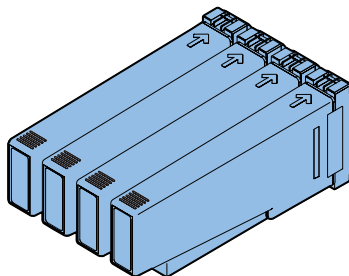
F-1-2

Checking the Included Parts

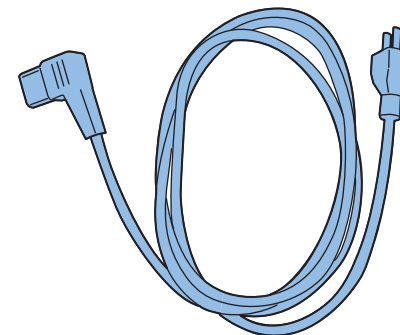
☐ [1] Printhead Unit x 1



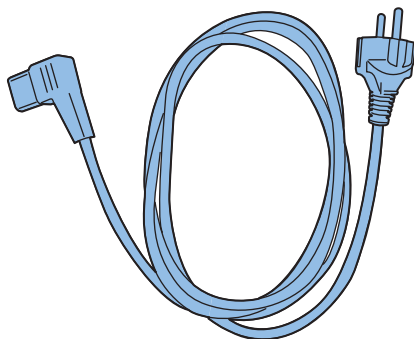
☐ [2] Ink Tank
(1 Ink Tank for each color, a total of 4 Ink Tanks/ for starter)



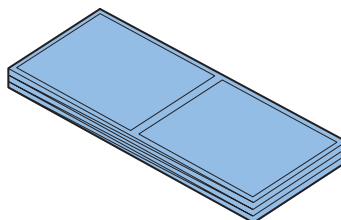
☐ [3] Power Cord x 1 (for 120V series)



☐ [4] Power Cord x 1 (for 230V series)



☐ [5] Spare papers (4×5 inch) x 20



T-1-1

CAUTION:

Several types of Power Cords come with Printer. Use appropriate Power Cord for the power supply used at the installation site.

NOTE:

When performing a print image checking as required, use the included spare paper.

Check that none of the following is missing:

- Start Guide
- Printer Software CD-ROM

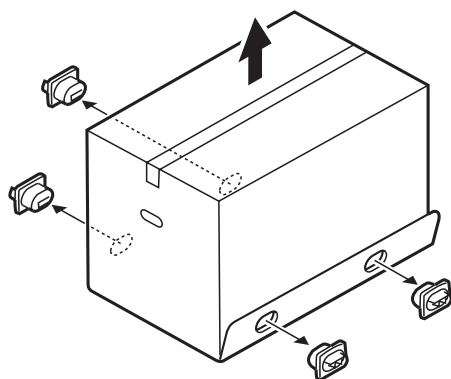
Unpacking Procedure

NOTE:

Printer is secured using fixing tape and cushioning materials to protect it against the vibrations and shocks applied during transportation. By following the procedure described below, remove all pieces of fixing tape and cushioning materials before installing Printer. Keep the removed cushioning materials for future transportation for relocation or repair of Printer.



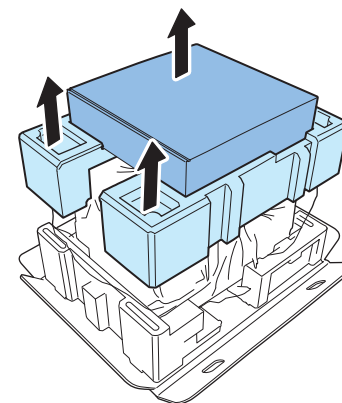
1) Remove 4 grips from the packing carton, and then remove the outer casing.



F-1-3



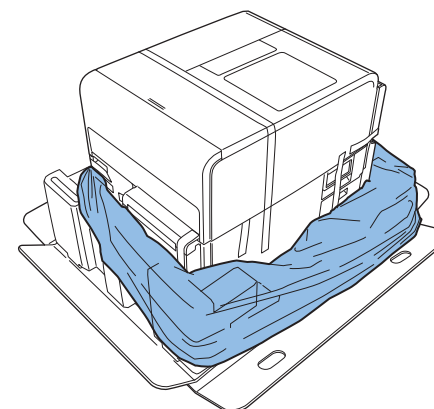
2) Remove Accessory Box , and then remove Upper Pads.



F-1-4

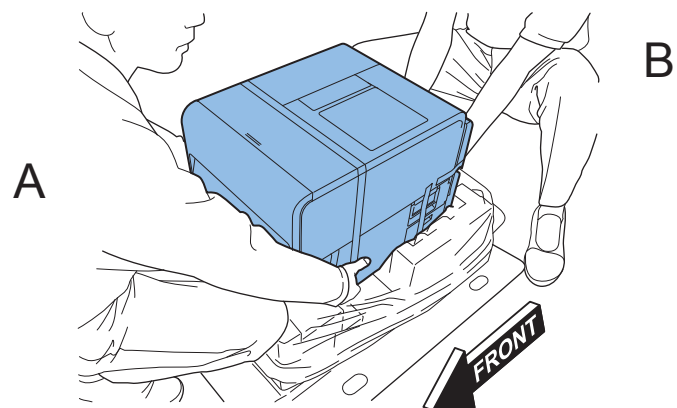


3) Strip the plastic bag from top to bottom.

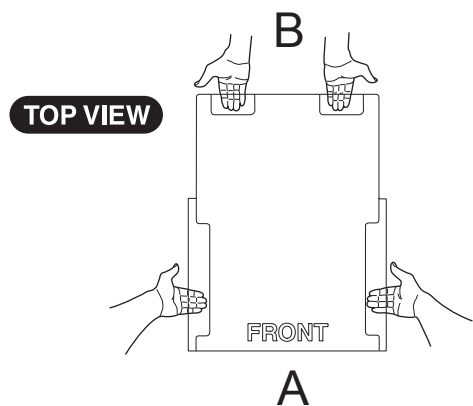


F-1-5

- 4) Holding the handles at the bottom of Printer, lift Printer to take it out from the package base.



F-1-6



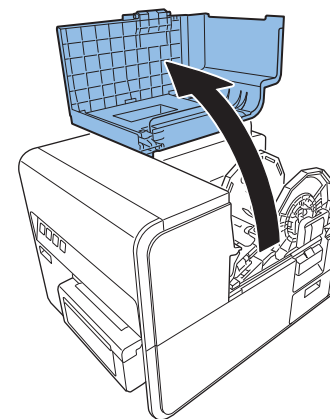
F-1-7

⚠ CAUTION:

- Printer weighs about 24 kg. At least two persons are required to lift it.
- Do not hold the front side of Printer.

- 5) Place Printer on a horizontal table, and then remove all pieces of fixing tape and cushioning materials visible on the exterior of Printer.

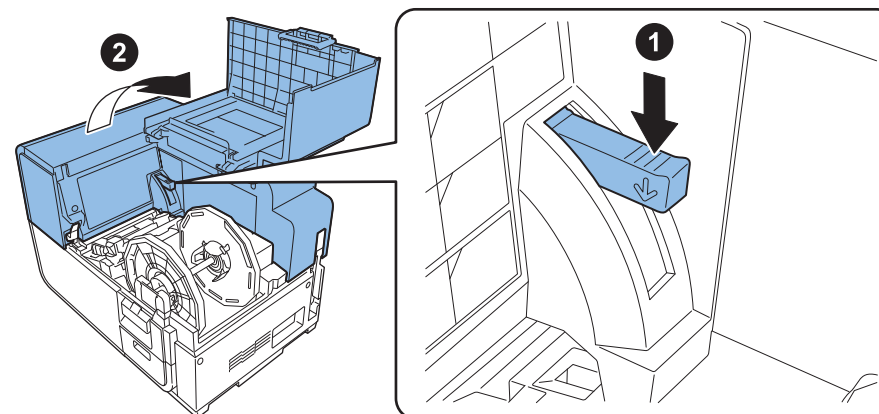
- 6) Open Roll Cover.



F-1-8

- 7) Remove all pieces of the tape securing Roll Holder.

- 8) Push down Upper Unit Open Lever, and then open Upper Unit.



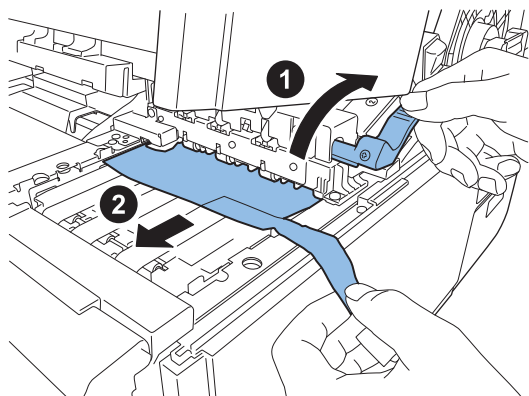
F-1-9

- ☐ 9) Remove all pieces of fixing tape inside Printer.

NOTE:

Keep the removed cushioning materials, because they may be used for future transportation for relocation or repair of Printer.

- ☐ 10) Turn Pinch Roller Release Lever, and then remove the protection sheet.



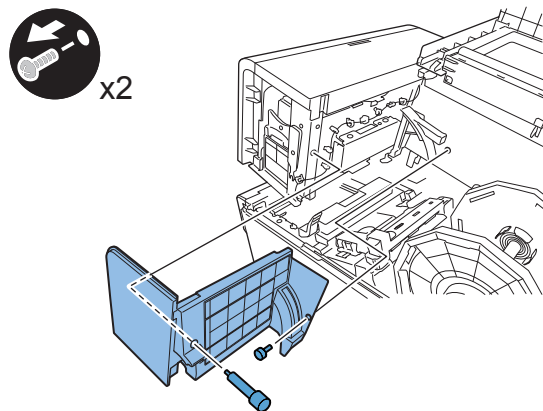
F-1-10

Installation Procedure

Mounting Printhead Unit



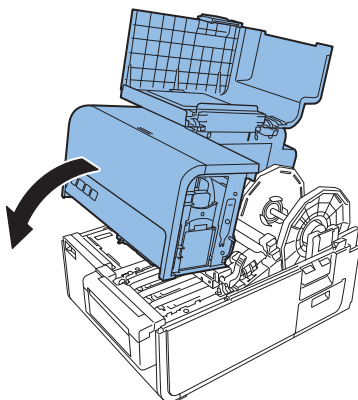
1) Remove 2 screws to remove Maintenance Cover from Upper Unit.



F-1-11



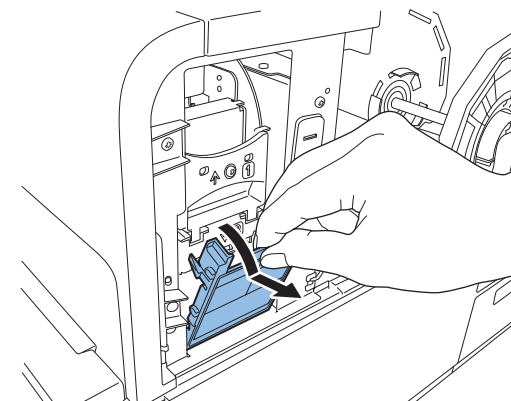
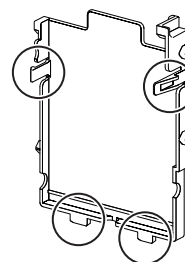
2) Close Upper Unit.



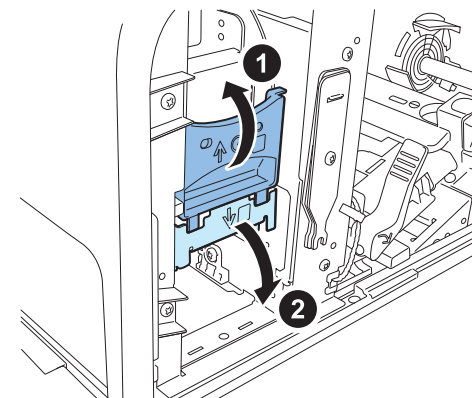
F-1-12



3) Remove Print Module Cover, and then open Upper Printhead Release Lever and Lower Printhead Release Lever.

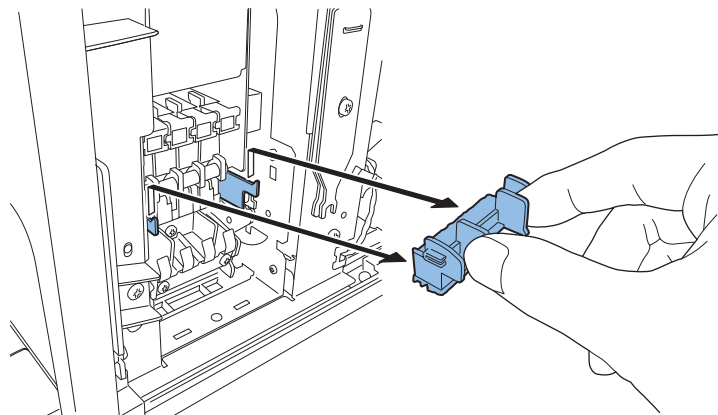


F-1-13



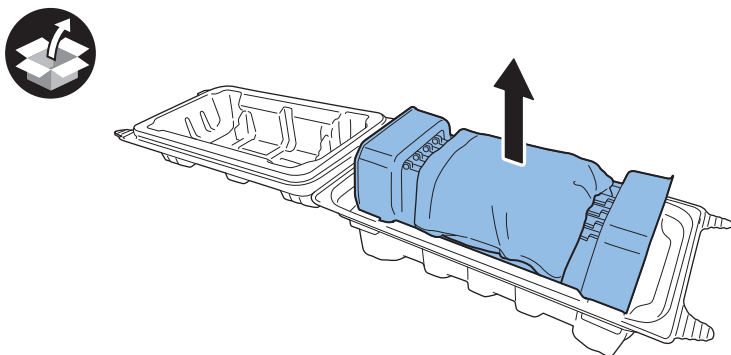
F-1-14

- ☐ 4) Remove Blade Cleaner.



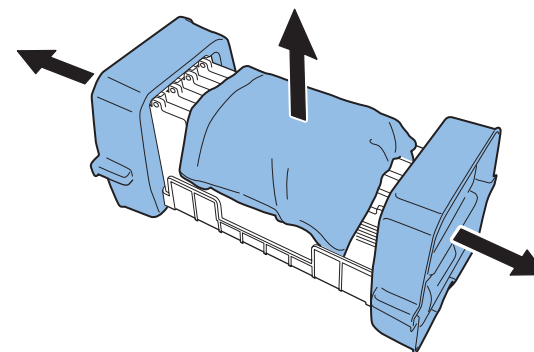
F-1-15

- ☐ 5) Take out included Printhead from the package.



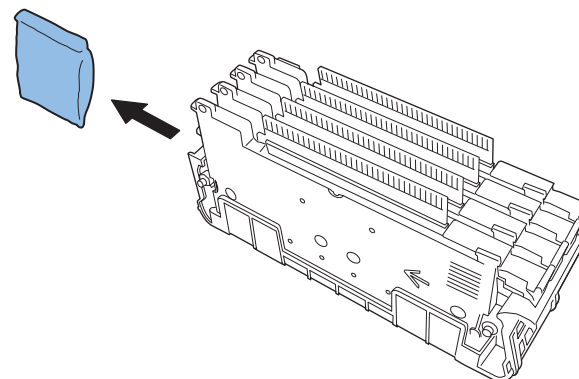
F-1-16

- ☐ 6) Remove the PCB cover and the cushioning materials.



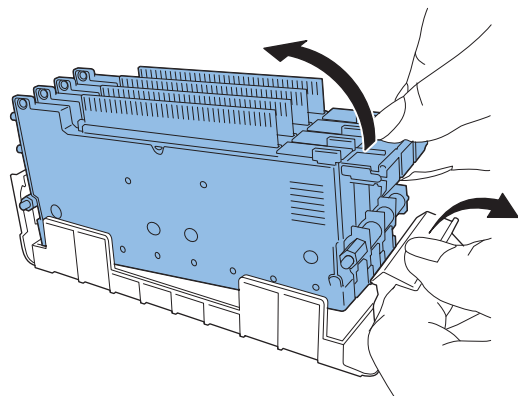
F-1-17

- ☐ 7) Remove the 4 caps.



F-1-18

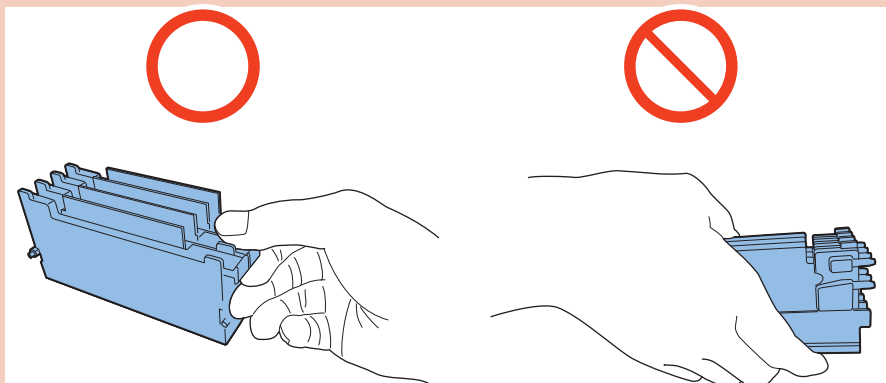
- 8) Take Printhead Unit out of the case.



F-1-19

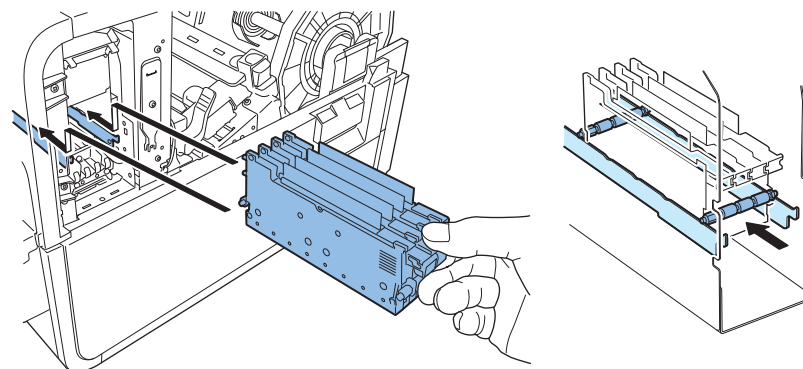
CAUTION:

Do not touch the circuit boards and Printhead face plate. An ink injection problem can occur.



F-1-20

- 9) Put Printhead Unit on the rail guide, and then insert it into Printer until it stops.



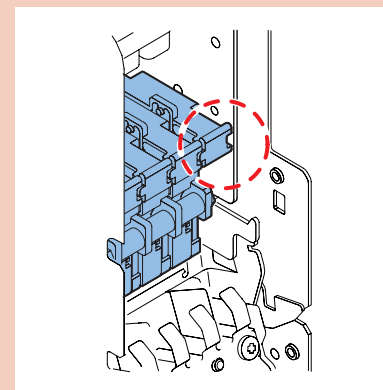
F-1-21

NOTE:

Skewering Shaft must be on Printhead Guide Rails.

CAUTION:

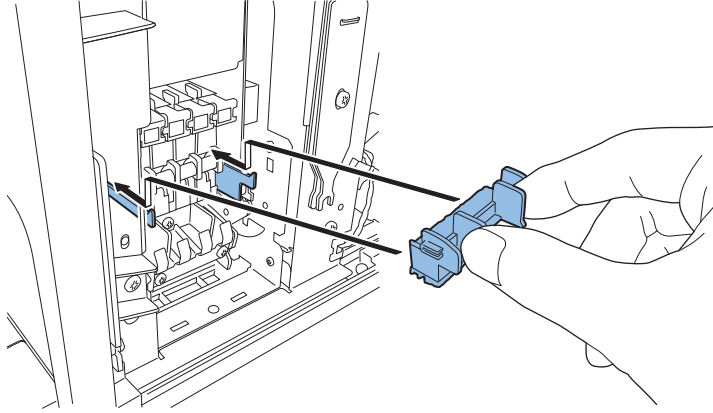
If Printhead is insufficiently inserted, Lower Printhead Release Lever cannot be closed. To confirm Printhead is in the correct position, see if the end of Printhead grip and the edge of the inner metal plate are in the same plane as shown in the figure.



F-1-22



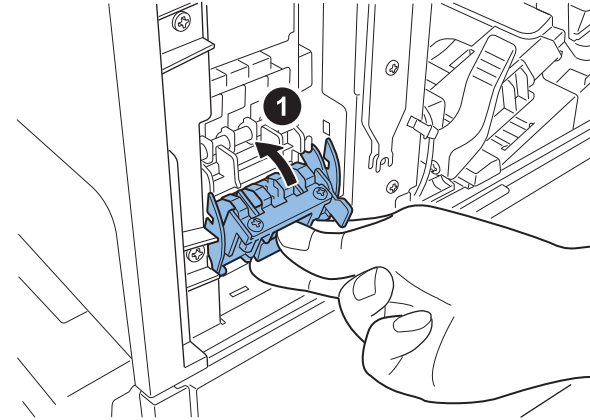
10) Mount Blade Cleaner in Printer.



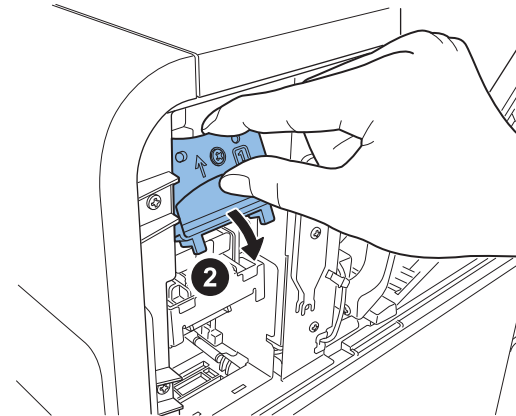
F-1-23



11) Close Lower Printhead Release Lever and Upper Printhead Release Lever.



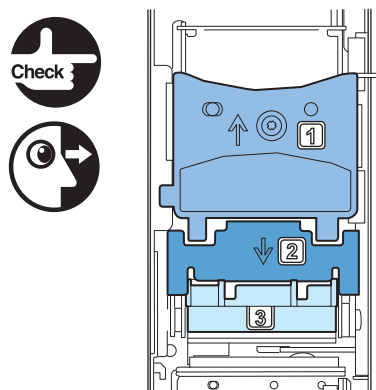
F-1-24



F-1-25



12) Check that numbers [1] , [2], and [3] indicated on Print Module are visible.



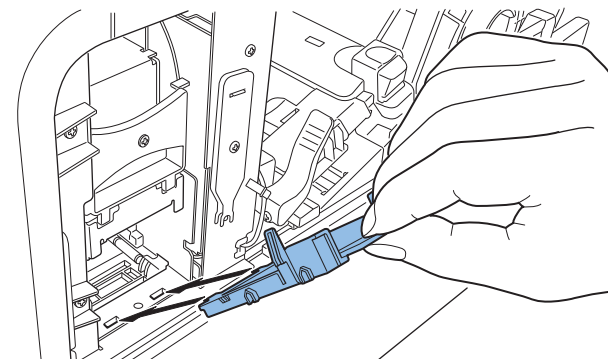
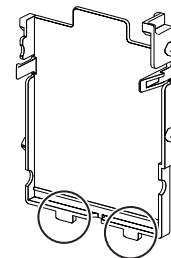
F-1-26

NOTE:

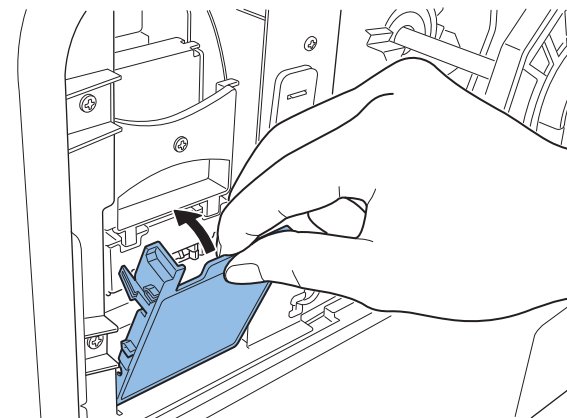
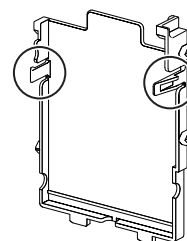
If any one of numbers [1] , [2], and [3] is invisible, Printhead Release Lever ([1] ,[2]) has not been closed or Blade Cleaner ([3]) has not been mounted. Review work procedure.



13) Attach Print Module Cover to Print Module.



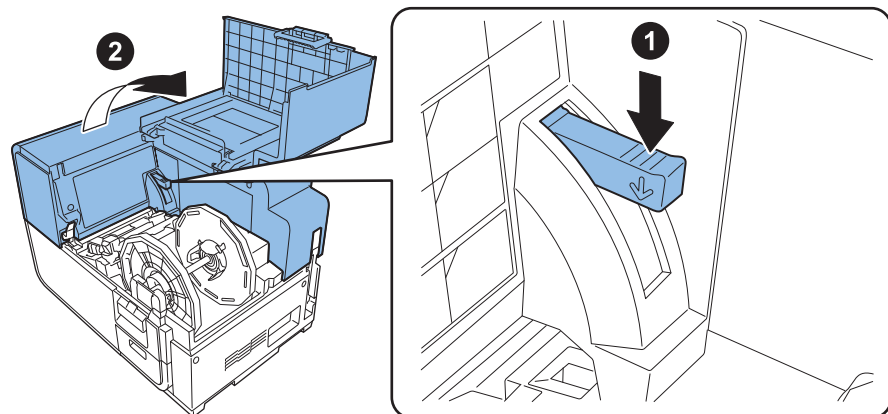
F-1-27



F-1-28



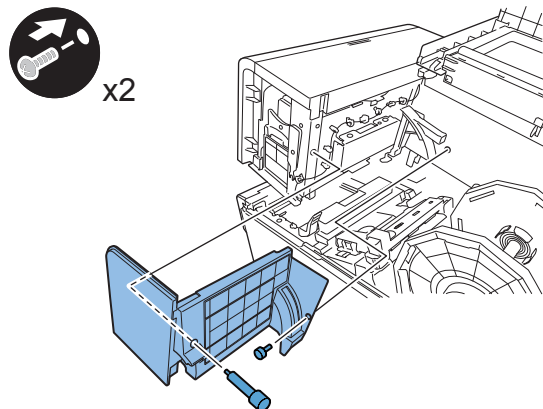
14) Push down Upper Unit Open Lever, and then open Upper Unit.



F-1-29



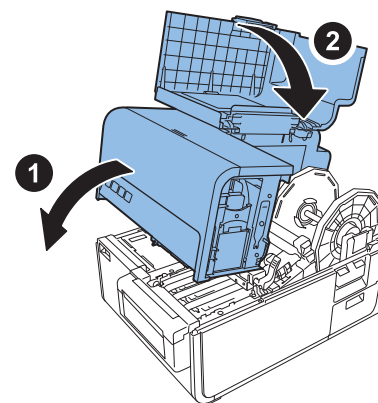
15) Mount Maintenance Cover on Upper Unit.



F-1-30



16) Close Upper Unit, and then close Roll Cover.

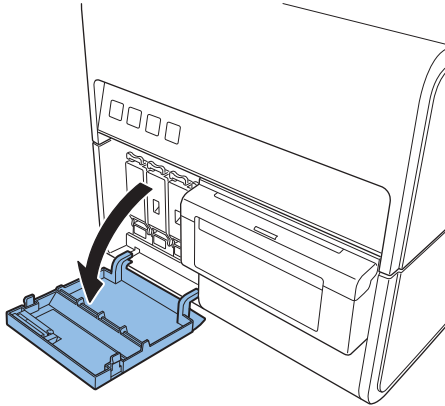


F-1-31

Loading Ink Tanks



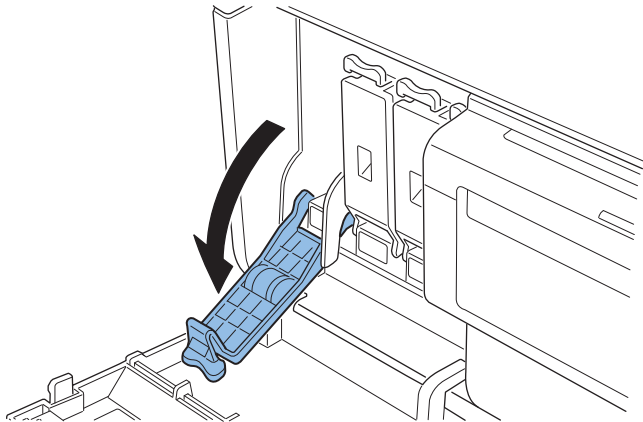
1) Open Ink Tank Door.



F-1-32



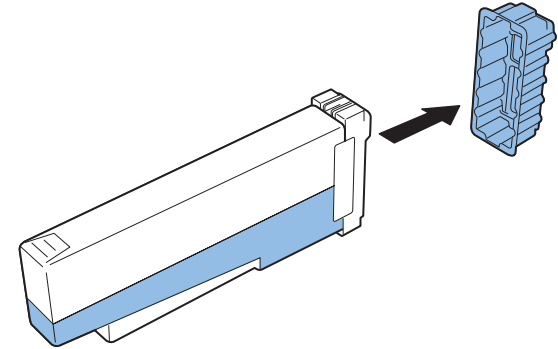
2) Open Ink Tank Lever for each color while pushing it downward.



F-1-33



3) Take out included Ink Tanks from the packages, and then remove the cushioning materials.



F-1-34

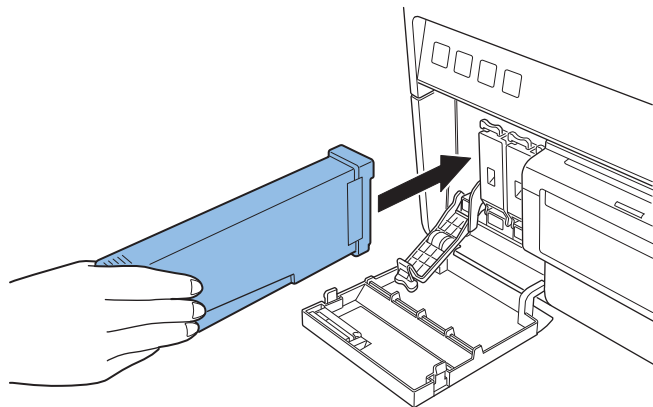
NOTE:

The amount of starter ink is approx. 100ml.

- 4) Slowly insert Ink Tank as far as it will go, and then close Ink Tank Lever.

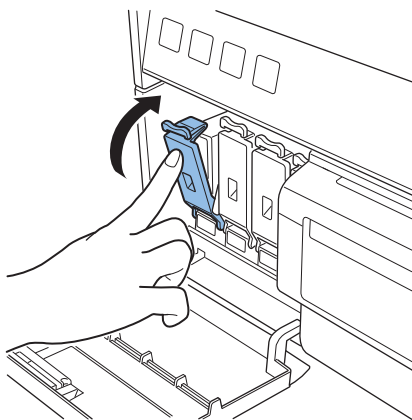
CAUTION:

Ink Tank cannot be loaded properly if it is inserted in a wrong Ink Tank Slot.



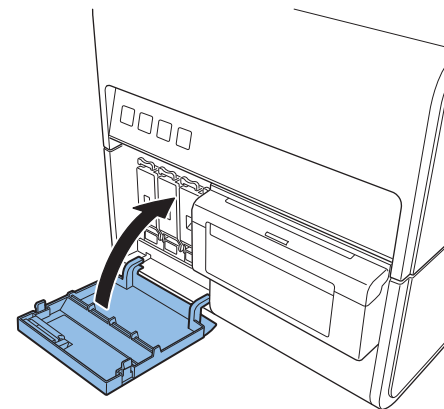
F-1-35

- 5) Close Ink Tank Lever.



F-1-36

- 6) After checking that all Ink Tanks have been loaded, close Ink Tank Door.

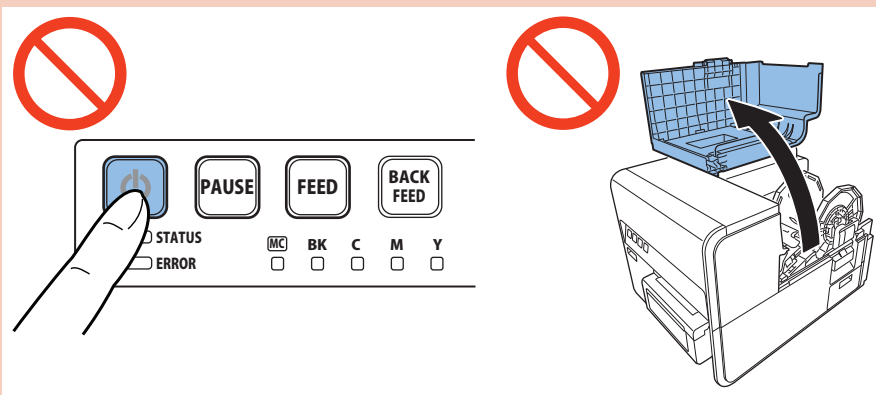


F-1-37

Initial Ink Loading

CAUTION:

- Do not turn the power off or open covers and doors such as Roll Cover during ink loading.
- If the power is turned off or covers and doors are opened during ink loading, Printer stops ink loading. In such a case, turn on the power to start ink loading again.
- Restarting the ink loading causes extra waste-ink.



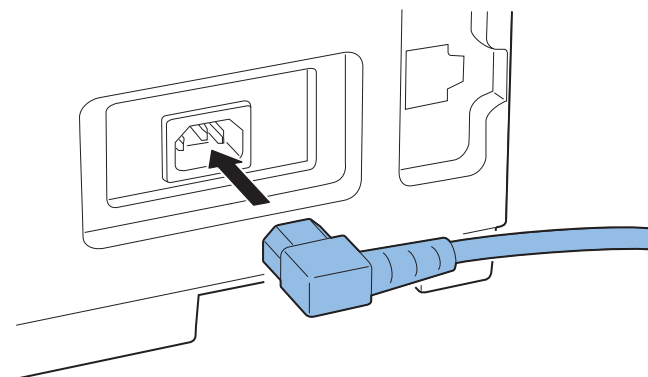
F-1-38

□

- 1) Several types of Power Cords come with Printer. Use appropriate Power Cord for the power supply used at the installation site.

CAUTION:

Never use a wrong Power Cord.



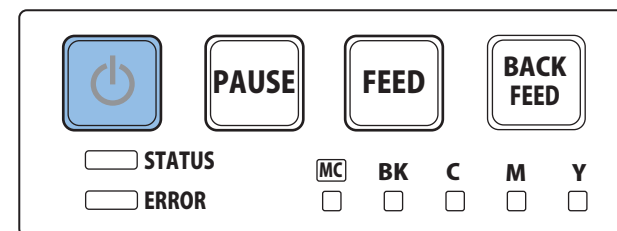
F-1-39

□

- 2) Connect Power Cord to the outlet.

□

- 3) Turn the power on. STATUS Lamp blinks and initial ink loading starts automatically . When ink loading is complete, STATUS Lamp changes from flashing to lit and a buzzer sounds. Be sure to move to the next step after STATUS Lamp is lit.



F-1-40

NOTE:

- Initial ink loading takes about 25 minutes.
- Ink loading time might be changed due to the design change.

Operation Check

After completion of installation, print any image, that is usually used, following the procedure below, and then check that the printing result is free from faint print and color deviation.

1. Install software in Computer with reference to the included Start Guide. Load printing paper that is usually used in Printer.
2. Print any image, that is usually used, with reference to User Guide included in Printer Software CD-ROM, and then check the printing result.

In case the printing result contains faint print and/or color deviation, execute the procedure described in "Cleaning Printhead" or "Adjusting Printhead Position" with reference to "Printer Maintenance" in User's Guide.