MUTOH

ValueJet

VJ-1948WX
Startup Guide

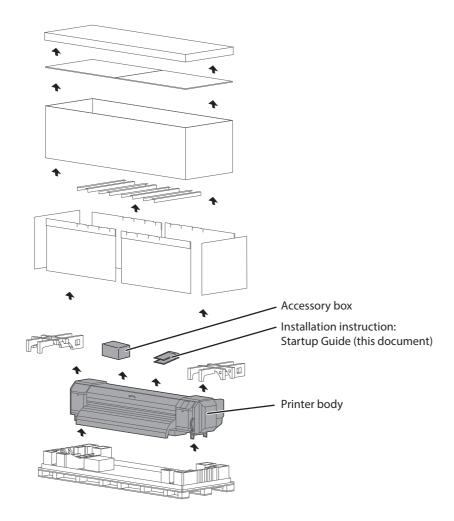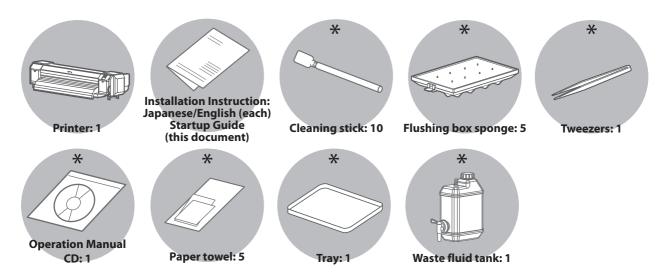## Unpacking and Initial Setup

Unpacking

⚠ CAUTION	• **The operations of unpacking and moving this product must be carried out by four or more persons working together.** • **Keep this product level when moving it.**

Unpacking the printer

[1]   Open the packing box and take out each part.

Accessory box

Installation instruction:
Startup Guide (this document)

Printer body

[2]   Check if the followings are included.

Printer: 1	**Installation Instruction: Japanese/English (each) Startup Guide (this document)**	✳ **Cleaning stick: 10**	✳ **Flushing box sponge: 5**	✳ **Tweezers: 1**
✳ **Operation Manual CD: 1**	✳ **Paper towel: 5**	✳ **Tray: 1**	✳ **Waste fluid tank: 1**	

✎ **Note**
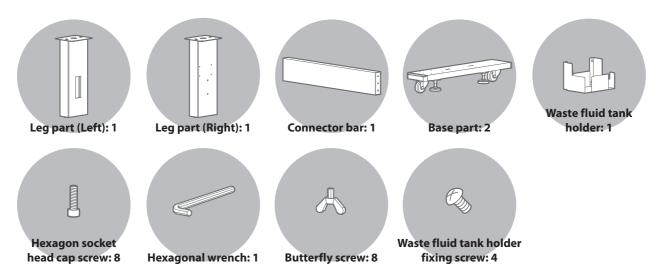
Items marked with an asterisk (✳) above are in the accessory box.
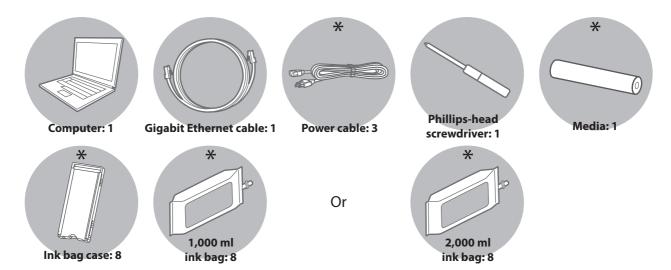
Items in the stand box

Check if the followings are included.

Leg part (Left): 1	**Leg part (Right): 1**	**Connector bar: 1**	**Base part: 2**	**Waste fluid tank holder: 1**
Hexagon socket head cap screw: 8	**Hexagonal wrench: 1**	**Butterfly screw: 8**	**Waste fluid tank holder fixing screw: 4**	

Things to prepare in order to install and use the printer

In order to install the product and make the initial settings, you will need the following things in addition to the packaged items.

Computer: 1 **Gigabit Ethernet cable: 1** **Power cable: 3** **Phillips-head screwdriver: 1** **Media: 1**

Ink bag case: 8 **1,000 ml ink bag: 8** Or **2,000 ml ink bag: 8**

> 📭 **Important!**
>
> **Make sure your computer meets the following requirements.**
>
> - **OS: Windows 10 (64bit), Windows 8/8.1 (64bit), Windows 7 (64bit)**
> - **CPU: Intel (R) Core (TM) i5 / i7**
> - **Memory: No less than 8G byte**
> - **Network: Use a network port that supports Gigabit Ethernet, and an Ethernet cable that supports Category 6 Gigabit Ethernet or later.**

> ✏️ **Note**
>
> Items marked with an asterisk (*) above are accessories or supplies.

⚠️ WARNING	**Be sure to use a power cable of the specified type.** Using any other power cable could result in electric shock or fire.

Assembling

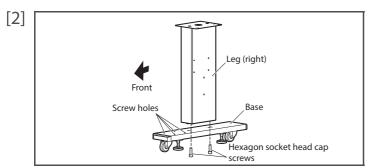## Assemble the printer

⚠ CAUTION	**Four or more people are required to assemble this printer.**

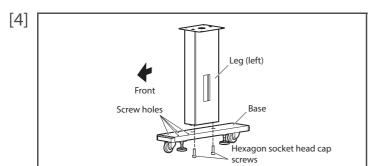### Procedure for assembling the stand

Follow the procedure below to assemble the stand.

[1]   Assemble the right stand.

[2]
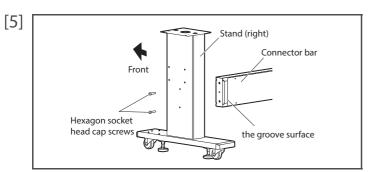
Attach the right leg part to the right base part so that four screw holes in the base part are at the front.

Leg (right)
Front
Screw holes
Base
Hexagon socket head cap screws

[3]   Tighten two hexagon socket head cap screws using a hexagonal wrench (supplied accessory).

[4]
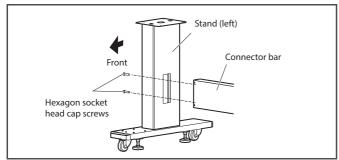
Assemble the left stand in the same way as in Step 2, 3.

Leg (left)
Front
Screw holes
Base
Hexagon socket head cap screws

[5]

Fasten the connector bar to the right stand using two hexagon socket head cap screws.
 • Attach the connector bar with the groove facing the rear as shown left.
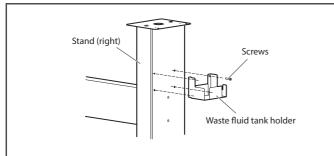
Stand (right)
Connector bar
Front
Hexagon socket head cap screws
the groove surface

[6]

Fasten the connector bar to the left stand in the same way as in Step 5.

[7]
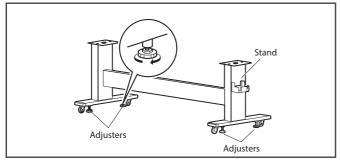
Attach the waste fluid tank holder to the right stand using four screws.

[8] Shake the stand to make sure that each part is firmly attached.

Procedure for attaching the stand
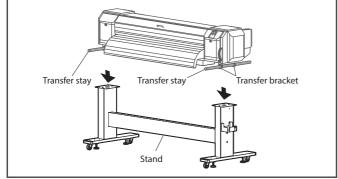
Follow the procedure below to attach the stand to the printer.

[1]

Turn the four adjusters as shown below to prevent the stand from moving.

[2]

Insert the two transfer stays into the right and left transfer brackets, lift the printer with four or more people and place it on the stand.

[3]
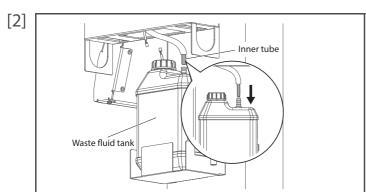
Remove the two transfer stays and fasten the printer to the stand using eight butterfly screws.

- 1: Transfer stays
- 2: Stand
- 3: Butterfly screws

Procedure for attaching the waste fluid tank

Follow the procedure below to attach the waste fluid tank.

[1]   Place the waste fluid tank in the waste fluid tank holder.

[2]

Inner tube

Waste fluid tank
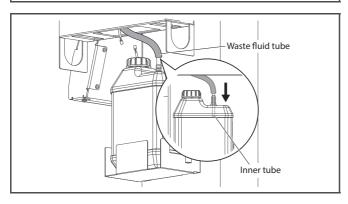
Attach the waste fluid tube to the tank.
- First, insert the inner tube into the tube connector of waste fluid tank.
- Then, cover up the connector of tank with outer cover of the tube.
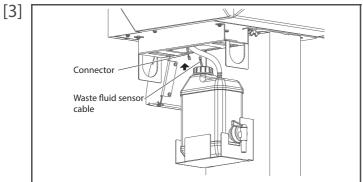
📢 **Important!**

Make sure the inner tube is fully inserted into the waste fluid tank.
If not, waste ink may be spilled from the tank.

Waste fluid tube

Inner tube

[3]

Connector

Waste fluid sensor cable
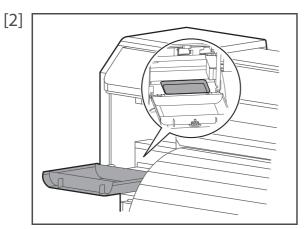
Insert the waste fluid sensor cable into the connector on the bottom of the printer.
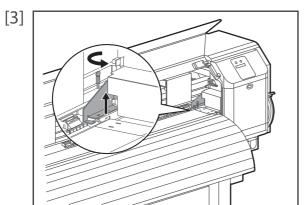
Detaching fastening materials

Follow the procedure below to detach all protective materials.

[1]   Remove all tapes from each cover.
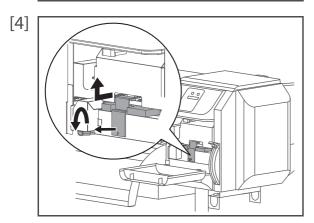
[2]   Open the left maintenance cover, then place the tray.
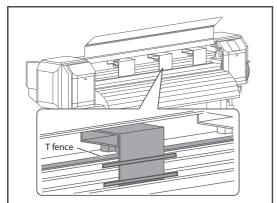
[3]   Open the front cover.
Remove a screw from the carriage bracket and then remove the bracket.

[4]   Open the right maintenance cover.
Remove the screw of the head base bracket, and then remove the bracket and the cushioning material from the printer.

[5]

T fence
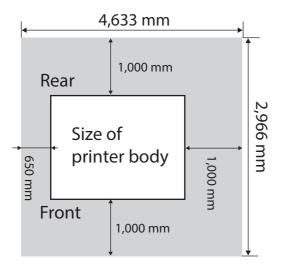
Peel off the tape, be careful not to come in contact with T fence, and remove the Bearer collapse prevention material and Bearer fix.

> ⊠ **Important!**
>
> **Make sure not to damage T fence during operation. If T fence is damaged, it will affect print results.**

Installation location

Minimum installation space

Size of printer body	
width x depth	: 2,983 mm x 966 mm
height	: 1,529 mm *1

*1   when the front cover is opened

Ensuring a suitable place for installation

Install this product in a place that:

- is level

- has no vibration

- has low humidity and little dust

- has small variation in temperature and humidity

- has no drafts (including those from heating or air conditioning equipment) blowing onto it

- has low levels of electromagnetic radiation and noise

⚠ **CAUTION**	**Keep the work area well-ventilated.** The fumes from ink could adversely impact your health. If you experience headache, fatigue or dizziness, immediately get to fresh air. If nausea persists, seek medical advice.

Installation environment conditions
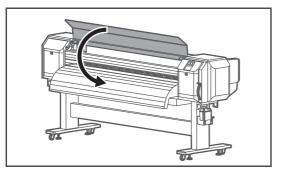
Install the product in an environment that satisfies the conditions in the table below.

Power supply specifications	Printer	Voltage: AC 100V to 120V±10% / AC 200V to 240V±10%
		Frequency: 50/60Hz±1Hz
		Capacity: AC 100V to 120V: No less than 8.0 A AC 200V to 240V: No less than 5.0 A
	Heater ×2	Voltage: AC 100V to 120V±10% / AC 200V to 240V±10%
		Frequency: 50/60Hz±1Hz
		Capacity: AC 100V to 120V: No less than 9.0 A AC 200V to 240V: No less than 5.0 A
Environmental conditions	Operating environment	Temperature: 20℃ to 32℃, humidity: 40% to 60% No condensation
	Ranges to ensure printing precision	Temperature: 22℃ to 30℃, humidity: 40% to 60% No condensation

	Printer Storage Environment	• Storage without ink charging: up to 6 months
		  Temperature: -20℃ to 60℃, humidity: 20% to 80%
		  No condensation
		• Storage with ink charging:
		  Temperature: 5℃ to 30℃, humidity: 20% to 60%
		  No condensation

	Ink Storage Environment	• Dye sublimation ink (DH11)
		  Black/Cyan/Magenta/Yellow/Light Cyan/Light Magenta/Light Black/
		  Light Light Black (1,000 ml or 2,000 ml each)
		  Temperature: -5℃ to 35℃
		  Humidity: No condensation
		
		• Dye sublimation ink (DM11)
		  Black/Cyan/Magenta/Yellow (1,000 ml or 2,000 ml each)
		  Temperature: 10℃ to 35℃
		  Humidity: 40% to 80%
		
		• Cleaning bag (600 ml)
		  Temperature: 5℃ to 35℃
		  Humidity: No condensation

Connecting the cables

Connecting power cable
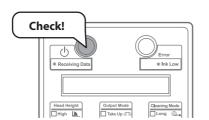
1. Before connecting the cables...

Close the front cover.

2. Connecting the power cable

[1]

Check!

⏻ ✳ Receiving Data   ○ Error ✳ Ink Low

Head Height ☐ High   Output Mode ☐ Take Up   Cleaning Mode ☐ Long
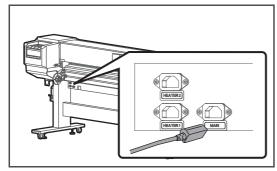
Make sure that the printer is turned off.

> 🖉 **Note**
>
> If the power switch is in a pressed-inward state, it is turned on and you must press it again to turn it off.

[2]

HEATER2

HEATER1   MAIN

Connect power cables to the printer.
- Connect three power cables altogether.
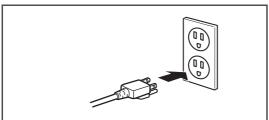
⚠️ WARNING	**Make sure to plug each power cord into an outlet with the same power supply voltage.** If not, it may cause damage to the electric circuit.

[3]

Insert the plug of the power cables correctly in the sockets.
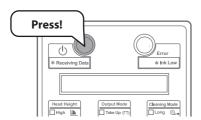
> 🖉 **Note**
>
> To use the power cables plugged in the inlets, 26 A or more (total capacity) is required. If the power source cannot supply the required capacity, plug the two or more power cables in the different power sources respectively.

Powering ON / OFF

Turning the power ON

[1]   Close the front cover.

[2]
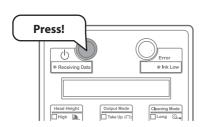
Press the power button to turn the power ON.

- The blue light becomes ON.
- This product starts its initialization operations.

Turning the power OFF

[1]   Make sure printing is done.

[2]

Press the power button turn the power OFF.

- This product starts its powering off operations.
- The blue light becomes OFF.

Setup Procedure

Perform activation

Activate this product from the operation panel.

Configuring the initial settings

Select the language and units of the operation panel display.

Initial Charging

Install ink bag cases into this product and charge the print head with ink.

Loading the media for test printing

Set the media to print the nozzle check pattern.

Nozzle check and cleaning

Print the nozzle check pattern and perform cleaning the head until the all lines are clearly printed.

Connecting to a Computer

Enter the printer IP address on the operation panel.
Install ValueJet Status Monitor (VSM) and set up the printer with VSM.

The setup is now complete!

Step 1   Perform Activation

This product requires activation when you turn the power ON for the first time.

Activation required

When the message on the left appears, carry out activation.

There are two ways of carrying out activation.

☞ "To activate via the control panel" P.15

☞ "To activate via the Internet" P.15

To activate via the control panel

[1]

Activation required

Press the [Enter] key when the message on the left appears.

Enter ↵
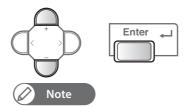
[2]

<u>0</u>0 0 0 - 0 0 0 0 - 0 0 0 0 - 0 0 0 0

Enter a 16-digit activation code.

- Use the [+] key to increase a setting value.
- Use the [-] key to decrease a setting value.
- Press the [Enter] key to confirm. The cursor will move on to the next.
- Confirm your input for each value.

Enter ↵

🖉 **Note**

Obtain the activation code from the distributor, by email or other means.

[3]

Reboot a printer

- When the message on the left appears, turn the power OFF.
- Wait a short while, then turn the power ON, to restart the printer.

⏻   ✳ Receiving Data

To activate via the Internet

Activation required

When the message on the left appears, carry out activation according to the "Printer Activation Guide".

🖉 **Note**
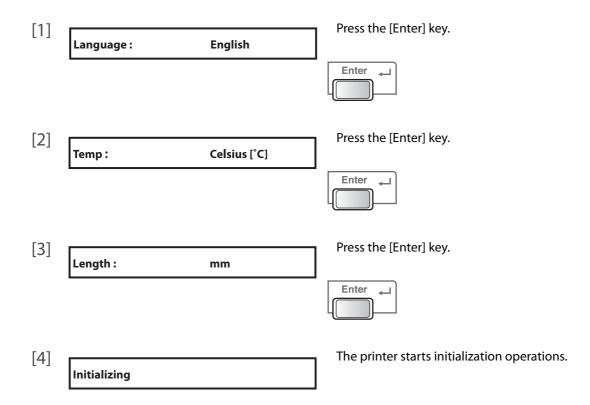
You can obtain the "Printer Activation Guide" by accessing the ValueJet Club via the Internet address below and registering as a user under "Register".
https://valuejetclub.mutoh.co.jp/mutoh/guser/

Step 2   Configuring the initial settings

Configure the initial settings according to the instructions displayed.
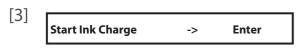
1. Configuring the operation panel language and units

[1]

Language :	English

Press the [Enter] key.

Enter ↵

[2]

Temp :	Celsius [˚C]

Press the [Enter] key.

Enter ↵

[3]

Length :	mm

Press the [Enter] key.

Enter ↵

[4]

Initializing

The printer starts initialization operations.

Step 3 Initial ink charging

Preparation

- Ink bag: 8

- Ink bag case: 8

[1]   Turn the printer ON.

[2]   The printer starts the initializing operation.

[3]
| Start Ink Charge | -> | Enter |

Press the [Enter] key when the message on the left appears.

[4]
| Wash retry? | No |

The message on the left will appear.
- Press the [Enter] key.

✎ **Note**
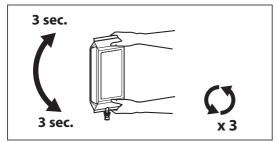
- Cleaning may be required depending on the ink type to be set.

- If you need to perform a head cleaning and "Wash retry? No" is displayed, press the [-] key to change the display to "Wash retry? Yes" and press the [Enter] key. After that, follow the instructions displayed on the operation panel.
  When cleaning is complete, "Insert InkBags" is displayed. Proceed to step 5 in this section.

| Insert InkBags |

The message on the left will appear.

[5]

Prepare a new ink bag and agitate it as described below.
- Turn the ink plug upward and wait for three seconds.
- Next, turn the ink plug downward and wait for three seconds.
- Repeat that three times.

You need the following ink bags:
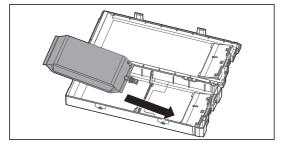
4-color setting
- Black (K): 2 bags
- Cyan (C): 2 bags
- Magenta (M): 2 bags
- Yellow (Y): 2 bags
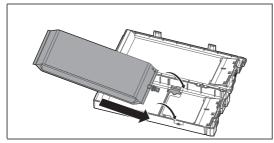
8-color setting
- Magenta (M): 1 bag
- Light Magenta (Lm): 1 bag
- Cyan (C): 1 bag
- Light Cyan (Lc): 1 bag
- Light Light Black (LLk): 1 bag
- Black (K): 1 bag
- Yellow (Y): 1 bag
- Light Black (Lk): 1 bag

[6]

Open the ink bag case and put the ink bag into the case.

If you are using 2L ink bag, release the lock of divider plate in the case, and then put the ink bag into the case.

📢 **Important!**

If you are using 1L ink bag, always lock the divider plate.
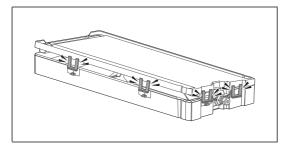
[7] Close the ink bag case.
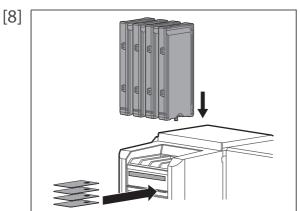
📢 **Important!**

Make sure the spout of ink bag is properly fitted into the groove in the case.
If not, the printer cannot correctly detect ink bag.

Close all the latches (x4) of the case properly.

[8] Insert the ink bag cases and S/C cards into all slots.
- Match the colors of the ink color indicating label on the printer and the label on the ink bag.
- Face the latch side toward you and insert the case into each slot.
- Firmly insert it all the way in.

Ink Refill	** %

The message on the left will appear.
- The printer starts ink charging.

⚠ **CAUTION**

🚫 **During ink charging, make sure:**
- **Not to turn OFF the printer.**
- **Not to unplug the power cable of the printer.**
- **Not to open the front cover.**
- **Not to open the maintenance cover.**
- **Not to raise the media setting lever.**

[9]

Media End

When ink charging ends, the message on the left will appear.
- That completes the ink charging.
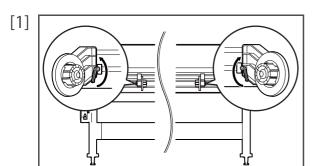
Test printing
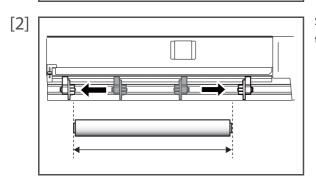
1. Loading Roll Media onto the Roll media holder

✉ **Important!**
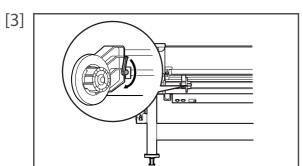
Depending on the type of the media, we recommend that two or more persons set the media.

[1]
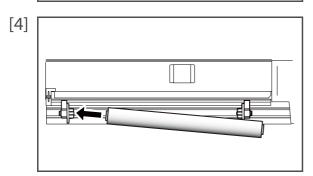
Loosen Fixing levers on the Roll media holders (both left and right) on the back of the printer.

[2]

Set the distance between Roll media holders wider than the actual width of the roll media to be set.

[3]
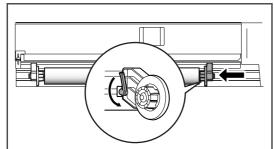
Tighten Fixing lever of Roll media holder (left) and fix the Roll media holder (left).

[4]
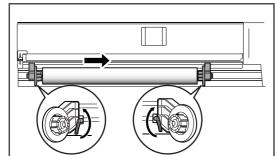
Set the roll media to Roll media holder (left).

[5]
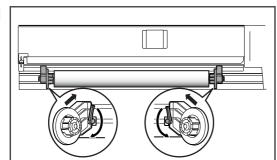
Attach Roll media holder (right) to the roll media and tighten Fixing lever.

[6]

Loosen the Fixing levers of the right and left Roll media holders, move the roll media to the center.

[7]
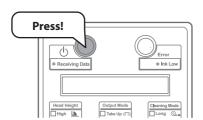
Press Roll media holder toward the printer and fix the Fixing levers.

✎ **Note**

- When tightening Fixing lever, press Roll media holder toward the printer.
- If you do not press Roll media holder, Fixing lever may not be completely locked because of the weight of the roll media.
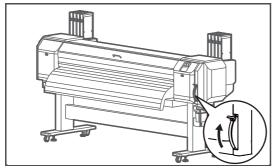
2. Loading Roll Media into the printer

[1]

Turn the printer ON.

[2]

Raise the media setting lever.

[3]

Open the front cover.

[4]
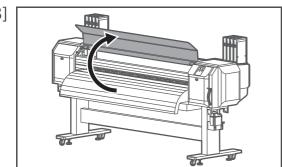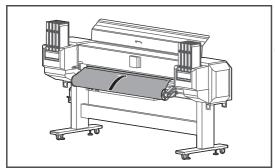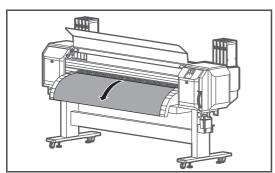
Load the roll media to Media feed slot.
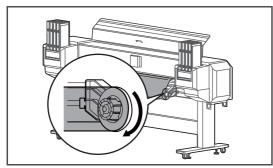
> ✎ **Note**
>
> If the end of the roll media is not wound tightly, wind it tightly again, and then load it.

[5]

Pull the roll media out about 1 m from the front Media feed slot.
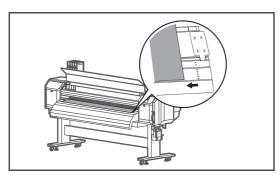
[6]

Rewind the roll media a little by rolling Flange on Roll media holder while holding the edge of the media, and eliminate any slack or slant.
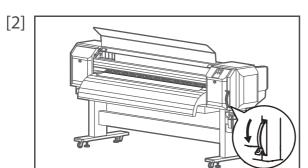
> 📝 **Note**
>
> If you set the roll media free while rewinding, the roll media may fall out from Media feed slot and fall toward the back of the printer.

Confirm that the right edge of the roll media does not go beyond the loading mark. If it does, it may affect print quality.

3. After loading the media...
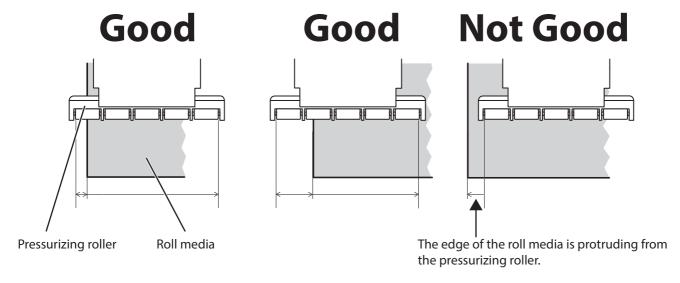
[1]

Lever Up

"Lever Up" is displayed on the Operation panel.

[2]
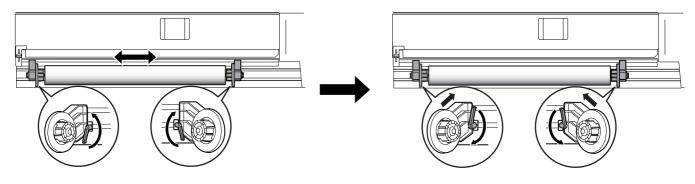
Lower the media setting lever.

[3] Make sure that the edges of the media is appropriately pressed by Pressurizing rollers.

Good # Good # Not Good

Pressurizing roller   Roll media

The edge of the roll media is protruding from the pressurizing roller.
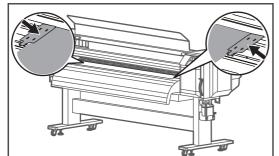
[4] When the media is not appropriately pressed by Pressurizing rollers, follow the procedure to adjust the position of the roll media.

- Raise the media setting lever.
- Loosen Fixing levers of the right and left Roll media holders, and move the roll media to left or right.
- Press Roll media holder toward the printer and fix the Fixing levers.

✎ **Note**
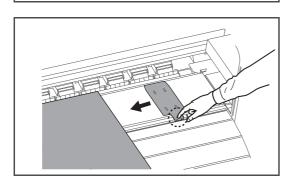
- If the media is not appropriately pressed by Pressurizing rollers, the media may be misaligned or creased during printing.

- When tightening Fixing lever, press Roll media holder toward the printer.
  If you do not press Roll media holder, Fixing lever may not be completely locked because of the weight of the roll media.

[5]

Set the media holder at both edges of the media.

Keep the part circled with a dotted line in the figure to the left pressed to set the media holder.

- If the edges of the media are loose, press them down when setting the media holder.

📨 **Important!**

With the default settings, the printing operation starts 5 mm from the edge of the media. To hold down the media, make sure that the part overlapping the media is less than 5 mm in length.
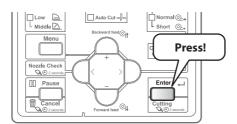
[6]

Close the front cover.

[7]

| User : | Type ** | OK? |

"User: Type **   OK?" is displayed on the Operation panel.

- Press the [+] key or [-] key on Operation panel to select the User Type Setting.

[8]

Press the [Enter] key to execute media initialization.

- That ends the media loading procedure.

Press!
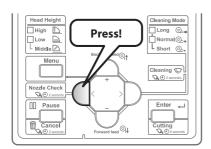
Nozzle check and cleaning

Run the nozzle check printing, and if there is nozzle missing, carry out cleaning.

1. Nozzle check steps

[1] Load the media to be used for the nozzle check.
☞ "Test Printing" P.19
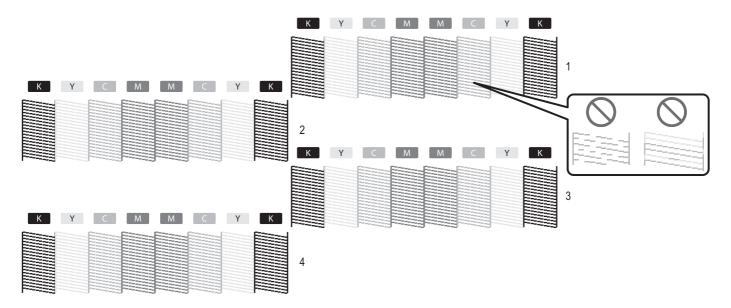
[2]

Give the [Nozzle Check] key a long press, for 2 seconds or more.
• Nozzle check patterns will be printed.

[3] Check the patterns.
• If there is nozzle missing, go to "Cleaning steps" P.26.
• If all lines are clearly printed, you can start printing.

> **Note**
>
> • The above pattern is the example when the printer is set to 4-color setting, "Set 17: Print Head" to "ALL" and "Set 18: Print Nozzle" to "ALL".
> A nozzle check pattern varies depending on the settings in the Head Select and the Print Nozzle menus.
>
>   ☞ Operation manual "Set 17: Print Head" P.74, "Set 18: Print Nozzle" P.75
>
> • The number to the right of each pattern indicates the print head used for printing that pattern.
>
> • If nozzle missing is occurred in specific print head, go to Print Head menu and select the print head that you want to perform cleaning. In this way, you can reduce ink waste.
>
>   ☞ Operation manual "Select the Print Head" P.78

Important!

If the printer perform the nozzle check printing immediately after the initial ink charge is complete, the following results may occur.

- **Printed lines become blurred.**
- **The data is partially not printed.**

In such cases, follow "Menu 2: Cleaning" on the Operation manual P. 78 and perform "Little Charge". Then, check the print result.

If there is no improvement in the print result even after performing "Little Charge", leave the printer unused for an hour or more. Then perform "Little Charge" again and check the print result.

If there is still no improvement, contact your local Mutoh dealer.

Note
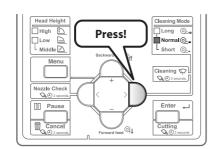
Before connecting to a computer to print, configure the IP address, subnet mask and gateway.

☞ Operation manual "Initial 5: IP Address", "Initial 6: Subnet Mask", "Initial 7: Gateway" P.83 to P.84

2. Cleaning steps

[1]
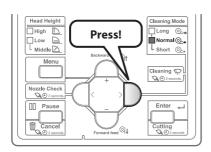
Press the [Cleaning] key, so that the "Normal" indicator (one of the "Cleaning Mode" indicators) lights steady.

- The cleaning mode will be set to "Normal".

Normal Cleaning

[2]

Give the [Cleaning] key a long press, for 2 seconds or more.

- Cleaning will start.

[3]   Conduct a nozzle check, again.

☞ "Nozzle check steps" P.25

- If there is still nozzle missing, repeat normal cleaning.
  See "Head cleaning" P.101 of the operation manual regarding "Short", "Long", "LittleCharge" and "InitialCharge" cleaning.
- If nozzle missing is occurred in specific print head, go to Print Head menu and select the print head that you want to perform cleaning. In this way, you can reduce ink waste.

  ☞ Operation manual "Select the Print Head" P.78

Installation of the ValueJet Status Monitor
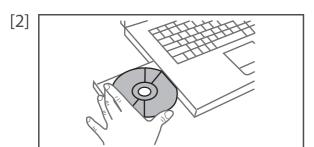
Before connecting the printer to your computer, make sure to install ValueJet Status Monitor (VSM).
After the installation, follow the instructions on the ValueJet Status Monitor Operation Manual to configure initial settings, register your printer and enable ValueJet Print Server (VPS).

☞ ValueJet Status Monitor Operation manual "Initial Setting", "ValueJet Print Server"

- The accessory CD contains the software and manuals listed below.

ValueJet Status Monitor (VSM)	Monitors the printer's status information, changes the printer settings, and performs test printing, etc.
Manuals (for printer and software)	See "Accessing the Manuals" P.28 for how to access the manuals. The following manuals are available in PDF format. • VJ-1948WX Operation manual "Operations and Maintenance Methods" • VJ-1948WX Startup Guide (This manual) • ValueJet Status Monitor Operation manual

📢 **Important!**

- **Be sure to install VSM from the accessory CD.**

- **Be sure to utilize the VPS (ValueJet Print Server) function included in VSM (ValueJet Status Monitor) when using this device. Without this function you may not be able to use the features of this device to the fullest.**

- **Specify the output port of RIP software to VPS.**

[1]   Using a Gigabit Ethernet cable, connect the printer to your computer.

[2]   Insert the accessory CD into the computer's CD-ROM drive.

[3] **Windows 10**
   - Click [Explorer] in [Start] menu.

Windows 8 / Windows 8.1
   - On the [Start] screen, click [Desktop].
   - Click [Explorer].
   - Double-click [PC] or [Computer].
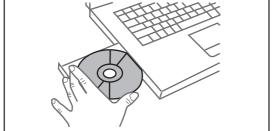
Windows 7
   - Click [Computer] or [My Computer] in [Start] menu.

[4]   Right-click the CD/DVD drive icon and select [Open].
   - Double-click [ValueJetStatusMonitor].
   - Double-click [ENG].

[5]   Double-click setup.exe to install VSM.

Accessing to Manuals

Follow the procedure below to access the manuals in the accessory CD.

[1]

Insert the accessory CD into the computer's CD-ROM drive.

[2] **Windows 10**
  • Click [Explorer] in [Start] menu.

Windows 8 / Windows 8.1
  • On the [Start] screen, click [Desktop].
  • Click [Explorer].
  • Double-click [PC] or [Computer].

Windows 7
  • Click [Computer] or [My Computer] in [Start] menu.

[3]   Right-click the CD/DVD drive icon and select [Open].
  • Double-click [Manual].

[4]   • For accessing to Printer's manual:
    Double-click [OperationManual].
    Double-click VJ1948WXE-A-**.pdf to consult it.
  • For accessing to VSM's manual:
    Double-click [ValueJetStatusMonitor].
    Double-click VSME-A-**.pdf to consult it.

> **Note**
>
> • Please keep the CD-ROM somewhere safe. You will need it when re-performing setup.
>
> • If you lose the CD-ROM, you can download the software from ValueJet Club (user registration required).
>   (ValueJet Club) https://valuejetclub.mutoh.co.jp/mutoh/guser

Safety Instructions

Important Notice

For Users in Europe

The CE marking is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives.

By affixing the CE marking, the manufacturer, his authorized representative, or the person placing the product on the market or putting it into service ensures that the item meets all the essential requirements of all applicable EU directives and that the applicable conformity assessment procedures have been applied.

For Users in the United States

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

About the safety notices

Signification of WARNING and CAUTION

⚠ WARNING	Used for dangerous situations where death or serious injury may be caused.
⚠ CAUTION	Used for dangerous situations that may cause slight or medium injury, or when all or parts of products are damaged.

Meaning of symbols

Warning symbol	Meaning
🚫	Indicates "prohibited" operations.
❗	Indicates "required" operations.

✎ **Note**

Refer to "Introduction" P.9 of operation manual for names of each component in the main body.

Concerning electric shock, short circuits and fire

⚠ WARNING

🚫 **Do not install the printer where it is humid or dusty.**
It could lead to an electric shock and fire.

🚫 **Do not use a damaged power cable.**
It could lead to an electric shock and fire.

🚫 **Do not pull out or insert the power plug with a wet hand.**
This could lead to an electric shock.

🚫 **Do not connect an earth wire to the following places.**
- **Gas pipe**
  There is a possibility of ignition and explosion.
- **Earth wire of telephone cables and lightning rods**
  Heavy current might flow whenever lightning strikes.
- **Water pipe and faucet**
  The earth might not work if a plastic pipe is connected in the middle of the metal pipe.

🚫 **Do not insert or drop metal or flammable objects into the printer through openings such as a vent.**
It could lead to an electric shock or fire.

🚫 **If foreign substances or liquids such as water entered the printer, do not use the printer as it is.**
It could lead to an electric shock or fire.
Turn the power button OFF immediately and disconnect the power plug from outlet. Then contact the customer support.

🚫 **Do not block the vent on the product with cloth or other material.**
If you cover the vent, the product interior may get hot and cause a fire.

🚫 **Pay attention to the following points when handling the power cord set.**
- **Do not tamper with the power cord set.**
- **Do not put heavy objects on the power cord set.**
- **Do not bend, twist or pull the power cord set by force.**
- **Do not route the power cord set near heating appliances.**

🚫 **Pay attention to the following points when handling the power plug.**
Any mishandling of the power cable could cause a fire.
- **Make sure that no foreign substances such as dust are stuck to the power plug.**
- **Make sure that the power plug is firmly inserted to the edge of the power socket.**

🚫 **Do not spill flammable liquid on the platen.**
It may cause a fire.

❗ **Make sure to use only the specified power supply.**
If a power supply other than the specified voltage is used, it could cause an electric shock and fire.

❗ **Take power for the printer directly from the power socket.**
Do not use multiple plugs on the same socket.
This could generate heat and might cause fire.

❗ **Be sure to use a dedicated power socket with earth wire for the power supply, and connect it to the earth wire.**
If the earth wire is not connected, an electric shock or fire may occur.

❗ **Make sure to plug each power cord into an outlet with the same power supply voltage.**
If not, it may cause damage to the electric circuit.

❗ **Make sure to connect an earth wire to the earth connection that meets the following standards.**
- **Earth terminal of power socket**
- **An earth wire with a copper plate which is buried at 650 mm or more in the ground.**

❗ **Be sure to use the specified power cord set.**
- Using a power cord set other than the specified can cause an electric shock or fire.
- Use a power cable that is equipped with a protective grounding terminal, and connect it firmly to the outlet.
- Use a power cable that conforms to the safety regulations, power supply voltage and plug shape of the country where you are using it.

❗ **Connect up the cords (cables) in the ways specified in this Guide.**
Mistakes in the cable connections could result in fire.

🚫 **Never open covers attached using screws under any circumstances.**
This may cause an electric shock or a malfunction.

❗ **When you do not use the printer for a long period, make sure to pull out the power plug from the power socket for safety.**

🚫 **Make sure that no moisture enters the printer.**
It could cause shorting of the electrical circuits.

Installing the printer

⚠ WARNING

🚫 **Do not install the printer on a surface:**
On such surfaces the printer could topple over or fall off, potentially causing injury.
- **that is shaky, or**
- **that is tilted, or**
- **that receives vibration from other machines or equipment nearby.**

⚠ CAUTION

🚫 **Do not slant the printer, turn it upside down.**
The ink inside the printer may leak.
Moreover, normal operation after shifting (to these positions) cannot be guaranteed.

❗ **The operations of unpacking and moving this product must be carried out by four or more persons working together.**

❗ **Keep this product level when moving it.**

❗ **When taking the printer out of the container box, make sure to remove the vinyl, install Reinforcement for transportation, and hold Reinforcement.**
If lifting up the printer with the vinyl on, there is a possibility the printer can slip and drop, and be damaged.

Concerning handling

⚠ WARNING

🚫 **Do not step on this printer or place heavy things on top of it.**
It may cause an injury if the printer falls down.

⚠ CAUTION

🚫 **Heed the following instructions for cleaning of the cleaning wipers and the print head circumference.**
- **Do not use the same cleaning stick more than once.**
  The dirt on a used cleaning stick could result in damage to the print head.

🚫 **Heed the following when cleaning the print head circumference.**
- **NEVER touch the surfaces of the print head's nozzles.**
  It could result in damage to the print head.
- **Do not touch the tip of a cleaning stick.**
  You could get oil or grease on it, which could result in damage to the print head.
- **Never allow any water to get onto the tip of a cleaning stick.**
  It could result in damage to the print head.

Concerning handling (continued)

🚫 **Heed the following when cleaning the cleaning wipers.**
- **Do not touch the cleaning wipers or the head cap unit.**
  You could get oil or grease on them, with the result that head cleaning cannot be implemented normally.
- **To wipe the cleaning wipers, use only the cleaning sticks, and use them in a dry state.**
  Using the cleaning sticks wetted with water or other liquid will cause clogging of the print head.

🚫 **Do not touch Media guide while printing or Heater is working.**
Media guide becomes very hot and you could burn yourself.

🚫 **During ink charging, make sure:**
- **Not to turn OFF the printer.**
- **Not to unplug the power cable of the printer.**
- **Not to open the front cover.**
- **Not to open the maintenance cover.**
- **Not to raise the media setting lever.**

❗ **Keep the work area well-ventilated.**
Not doing so may cause nausea or a fire hazzard.

🚫 **Do not use volatile solvents such as thinner, benzene, or alcohol.**
These solvents may cause damage to the paint.

❗ **Right after printing, Media guide becomes very hot.**
Allow Media guide to cool down before the next operation.

Concerning consumable items

⚠️ **WARNING**

❗ You are obligated to properly dispose of waste fluid from the printer in compliance with Wastes Disposal and Public Cleansing Act and local ordinances. Delegate disposal to an industrial waste disposal contractor.

⚠️ **CAUTION**

🚫 **Do not disassemble Ink bags.**
If disassembled, there is a possibility that ink might come into contact with your eyes or skin.

🚫 **When handling the ink bag, be careful not to let the ink get in your eyes or on your skin.**
If the ink gets in your eye or on your skin, immediately wash it off with water.
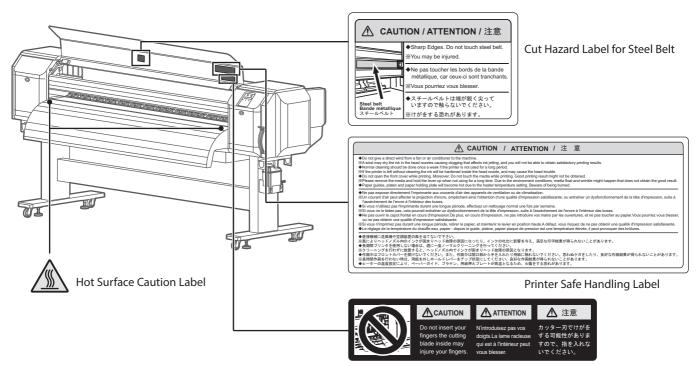If not, it could cause bloodshot eyes or light inflammation.
Should any anomalies occur, immediately seek medical attention.

❗ **Before operation, make sure to read the Material Safety Data Sheet (SDS).**
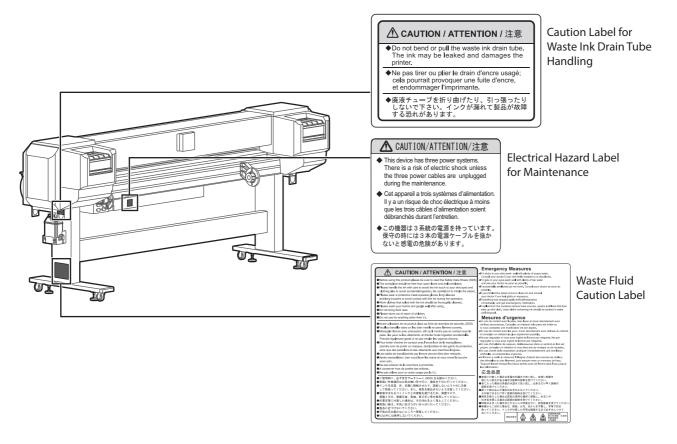
Warning labels

Warning labels are applied onto the product where special attention is required. Read the messages on the labels and always follows the instructions. If the labels are peeled off or become dirty, contact the sales store for exchange.

- Front side

CAUTION / ATTENTION / 注意

◆Sharp Edges. Do not touch steel belt.
※You may be injured.

◆Ne pas toucher les bords de la bande métallique, car ceux-ci sont tranchants.
※Vous pourriez vous blesser.

◆スチールベルトは端が鋭く尖っていますので触らないで下さい。
※けがをする恐れがあります。

Steel belt
Bande métallique
スチールベルト

Cut Hazard Label for Steel Belt

CAUTION / ATTENTION / 注意

◆Do not give a direct wind from a fan or air conditioner to the machine.
※A wind may dry the ink in the head nozzles causing clogging that affects ink jetting, and you will not be able to obtain satisfactory printing results.
◆Normal cleaning should be done once a week if the printer is not used for a long period.
※If the printer is left without cleaning, the ink will be hardened inside the head nozzle, and may cause the head trouble.
◆Do not open the front cover while printing. Moreover, Do not touch the media while printing. Good printing result might not be obtained.
※Please remove the media and hold the lever up when not using for a long time. Due to the environment conditions, media float and wrinkle might happen that does not obtain the good result.
◆Paper guides, platen and paper holding plate will become hot due to the heater temperature setting. Beware of being burned.

◆Ne pas exposer directement l'imprimante aux courants d'air des appareils de ventilation ou de climatisation.
※Un courant d'air peut affecter la projection d'encre, empêchant ainsi l'obtention d'une qualité d'impression satisfaisante; ou entraîner un dysfonctionnement de la tête d'impression, suite à l'assèchement de l'encre à l'intérieur des buses.
◆Si vous n'utilisez pas l'imprimante durant une longue période, effectuez un nettoyage normal une fois par semaine.
※Si vous ne le faites pas, cela pourrait entraîner un dysfonctionnement de la tête d'impression, suite à l'assèchement de l'encre à l'intérieur des buses.
◆Ne pas ouvrir le capot frontal en cours d'impression.De plus, en cours d'impression, ne pas introduire vos mains par les ouvertures, et ne pas toucher au papier.Vous pourriez vous blesser, ou ne pas obtenir une qualité d'impression satisfaisante.
※Si vous n'imprimez pas durant une longue période, retirer le papier, et maintenir le levier en position haute.A défaut, vous risquez de ne pas obtenir une qualité d'impression satisfaisante.
◆Le réglage de la température du chauffe-eau, papier - depuis le guide, platine, papier plaque de pression est une température élevée, il peut provoquer des brûlures.

◆直接機械に送風機や空調装置の風を当てないで下さい。
※風によりヘッドノズルのインクが固まりヘッド故障の原因になったり、インクの吐出に影響を与え、満足な印字結果が得られないことがあります。
◆長期間プリンタを使用しない場合は、週に一度ノーマルクリーニングを行ってください。
※クリーニングを行わずに放置すると、ヘッドノズル内のインクが固まりヘッド故障の原因となります。
◆作画中はフロントカバーを開けないでください。また、作画中は開口部から手を入れたり用紙に触れないでください。思わぬケガをしたり、良好な作画結果が得られないことがあります。
※長時間印字を行わない時は、用紙を外しホールドレバーをアップ状態にしてください。良好な作画結果が得られないことがあります。
◆ヒーターの温度設定により、ペーパーガイド、プラテン、用紙押え板が高温となるため、火傷をする恐れがあります。

Printer Safe Handling Label

Hot Surface Caution Label

CAUTION — Do not insert your fingers the cutting blade inside may injure your fingers.

ATTENTION — N'introduisez pas vos doigts.La lame racleuse qui est à l'intérieur peut vous blesser.

注意 — カッター刃でけがをする可能性がありますので、指を入れないでください。

Cut Hazard Label for Cutter

- Rear side

CAUTION / ATTENTION / 注意

◆Do not bend or pull the waste ink drain tube. The ink may be leaked and damages the printer.

◆Ne pas tirer ou plier le drain d'encre usagé; cela pourrait provoquer une fuite d'encre, et endommager l'imprimante.

◆廃液チューブを折り曲げたり、引っ張ったりしないで下さい。インクが漏れて製品が故障する恐れがあります。

Caution Label for Waste Ink Drain Tube Handling

CAUTION/ATTENTION/注意

◆ This device has three power systems. There is a risk of electric shock unless the three power cables are unplugged during the maintenance.

◆ Cet appareil a trois systèmes d'alimentation. Il y a un risque de choc électrique à moins que les trois câbles d'alimentation soient débranchés durant l'entretien.

◆この機器は3系統の電源を持っています。保守の時には3本の電源ケーブルを抜かないと感電の危険があります。

Electrical Hazard Label for Maintenance

Waste Fluid Caution Label

(≤2000m)	汉文	仅适用于海拔2000m以下地区安全使用。
	藏文	《2000m ཟླ། འཚོལག་ ཧཟན་བའ། ག ཟིསར་ ཧཟ། ཅ སྐརལ ཤ འ ཧ ཅ ཧ། འའ།》
	蒙古文	"ꡁꡟ ꡏꡮꡭꡠ རྫས་ ལས་ མ བྷ་ ཚད་ སྐྱེ2000འན་ ꡤ ས འ ꡁ ꡩ ནར ཞེན མེད བེད སྤྱོད ཀྱ འཕུས།"
	壮文	Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyungh.
	维文	دېگىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردىلا بىخەتەر ئىشلەتكىلى بولىدۇ

(symbol)	汉文	"仅适用于非热带气候条件下安全使用。"
	藏文	《ꡤ ꡱ ꡩ ꡱ ꡧ ꡩꡱ ꡦ ꡱ ꡧ ꡱ ꡦ ꡱ ꡧ ꡱ ꡦ ꡱ ꡧ ꡱꡥ ꡤ ꡱꡧ》
	蒙古文	"ཚ བའ ས ཁྱུལ ཀྱ ག ན མ ག ཤས མེན བའ ས ཁྱོལ ཡོ ནར ཞེན མེད བེད སྤྱོད ཀྱ འཕུས།"
	壮文	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegndat haenx ancienz sawjyungh.
	维文	غەيرى ئىسسىق بەلباغ ھاۋا كىلىماتى شارائىتىدىلا بىخەتەر ئىشلەتكىلى بولىدۇ

Concerning operation instruction labels

Operation instruction labels are stuck on the printer at places where caution in operation is required. The contents of these labels are as shown below.

slot 1	slot 2		slot 3	slot 4
M	Lm	8 colors	C	Lc
K	K	4 colors	C	C

slot 5	slot 6		slot 7	slot 8
LLk	K	8 colors	Y	Lk
M	M	4 colors	Y	Y

Ink Color Indicating Labels

MAIN

AC Inlet Label (MAIN)

HEATER 2

AC Inlet Label (HEATER 2)

HEATER 1

AC Inlet Label (HEATER 1)

MUTOH