MUTOH

VJ-2638X/1938X/1638X/1938WX/1638WX INSTALLATION MANUAL

Please read this manual before using

Thank you for purchasing a MUTOH product.

This manual explains the steps for unpacking, mounting and basic installation before using the MUTOH Full-color inkjet printer VJ-2638X/ 1938X/1638X/1938WX/1638WX.

This manual is intended for owners, installers, and users of this product.

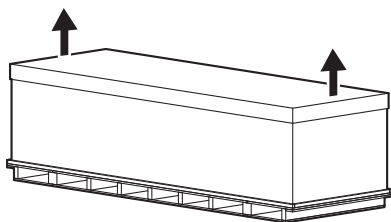Understand the contents and instructions in this manual before installing this product.

Installation flow chart
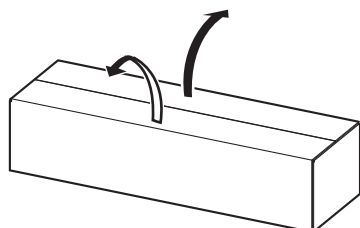
The broad steps for installation are shown below.

There are instructions for each section beginning on the next page.

1 Unpacking boxes
1.1 Unpacking printer box

1.2 Unpacking stand box

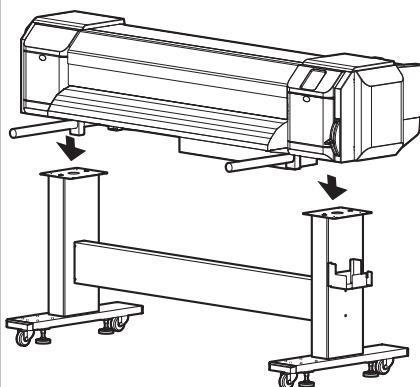### 2 Confirming bundled items
2.1 Items in the printer box
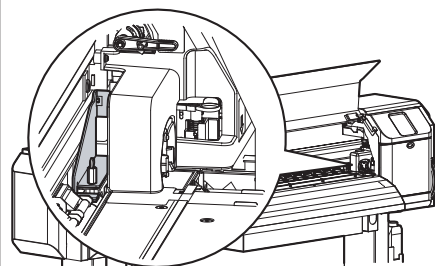#### 2.2 Items in the accessory box
2.3 Items in the stand box

3 Assembling
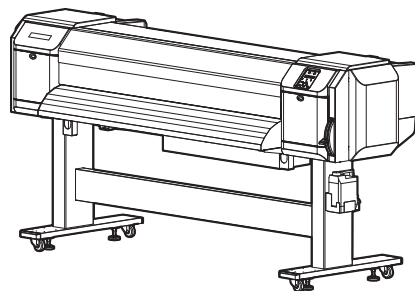#### 3.1 Procedure for assembling the stand
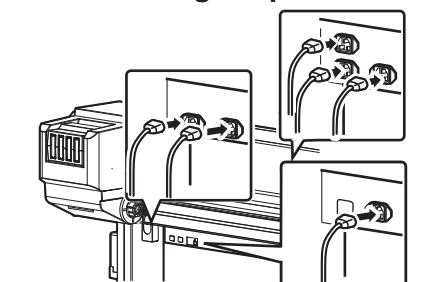#### 3.2 Attaching the stand

3.3 Detaching fastening materials

4 Installation
4.1 Installation environment
4.2 Installation procedure
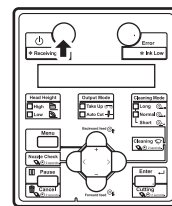

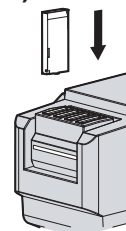### 5 Connecting the power cable

6 Turning the power ON/OFF

7 Product activation

8 Setting the display language and unit

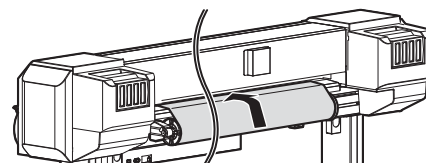### 9 Filling ink
9.1 Installing 220ml/440ml ink
9.2 Installing high capacity pack adapters (option, VJ-2638X/ 1938X/1638X)

10 Loading the roll media

11 Checking printing conditions

12 Manual composition

VJx638xE-I-05

1 Unpacking boxes

Procedures for unpacking boxes are explained.

This product is packaged separately, divided into the printer and the stand.

⚠ CAUTION

● **Make sure to unpack this product with four persons or more.**

● **While taking out the printer from the box, make sure to remove the vinyl sheet.**

1.1   Unpacking printer box

Unpack the printer box in accordance with the following steps.

1.   Carry the box to where you will unpack it.

2.   Remove the bands.

3.   Open the box and take out the following components.
·   Installation Manual (this manual)
·   Accessory box
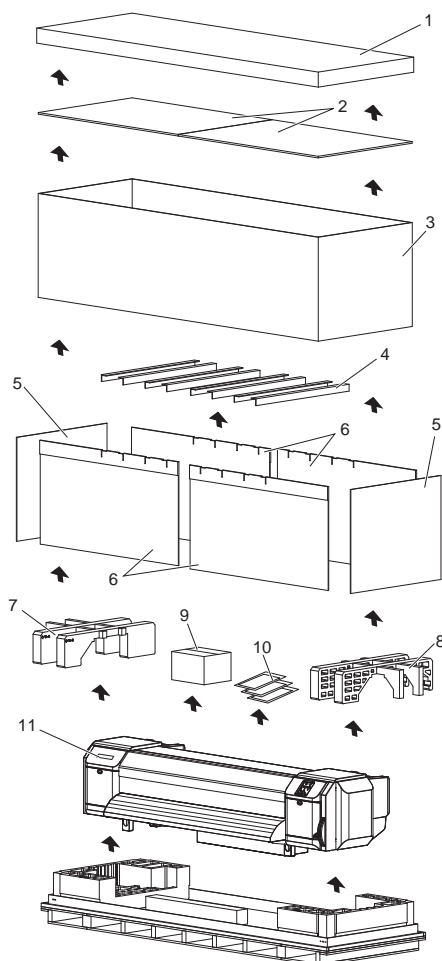
No.	Name	No.	Name
1	Top cover	7	Cushion (Left)
2	Top board	8	Cushion (Right)
3	Outer board	9	Accessory box
4	Center board	10	Installation Manual (this manual)
5	Side board A		
6	Side board B	11	Printer main body

1.2   Unpacking stand box

Unpack the stand box in accordance with the following steps.

1.   Carry the box to where you will unpack it.
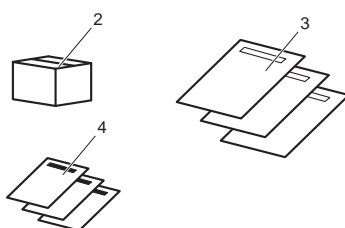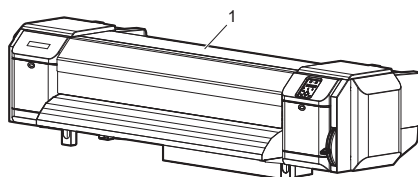
2.   Open the box and take out the components.

2 Confirming bundled items

After unpacking, please confirm that the product has not damaged and no components are missing.

NOTE

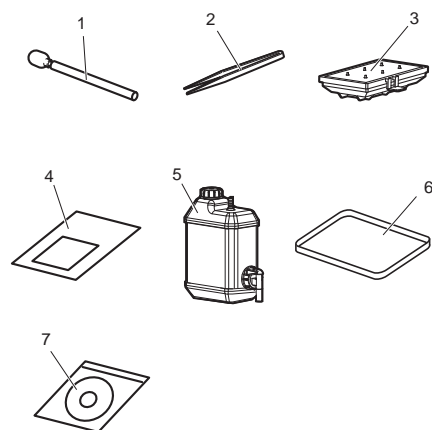● If any items are damaged or missing, contact MUTOH local dealer.

2.1   Items in the printer box

No.	Name	Q'ty
1	Printer main body	1 set
2	Accessory box	1
3	Installation Manual (this manual) (Japanese/English/French)	1 each
4	Introduction of Windows Printer Driver (Japanese/English)[*1]	1 each

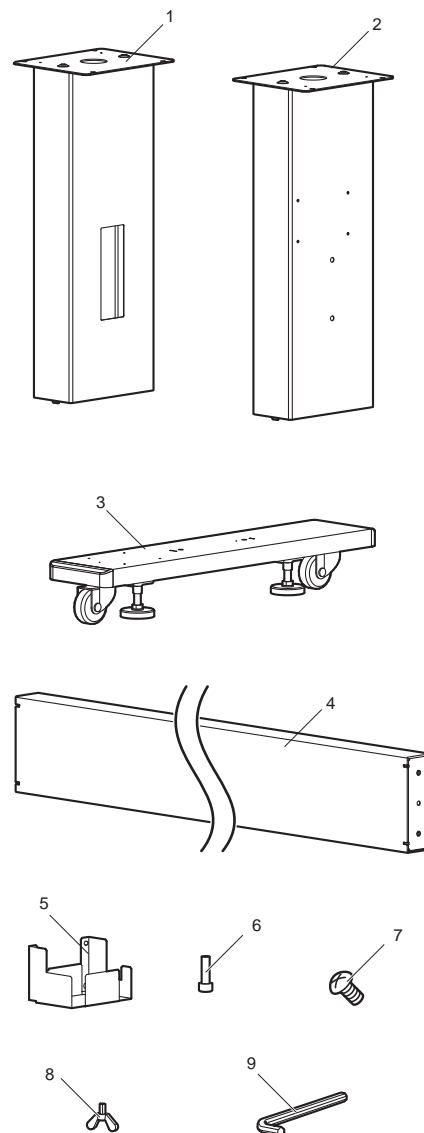[*1] It is not included in VJ-2638X/1938X/1938WX.

2.2   Items in the accessory box

No.	Name	Q'ty
1	Clean stick	10
2	Forceps	1
3	Flushing box sponge	5[*2]
4	Paper towel	5
5	Waste fluid tank	1
6	Tray	1
7	Operation Manual CD	1

[*2] 10 pieces are included for VJ-2638X.

2.3   Items in the stand box

No.	Name	Q'ty
1	Leg part (Right)	1
2	Leg part (Left)	1
3	Base part	2
4	Connector bar	1
5	Waste fluid tank holder	1
6	Hexagon socket head cap screw	8
7	Waste fluid tank holder fixing screw	4
8	Butterfly screw	8
9	Hexagonal wrench	1

3 Assembling

This section explains how to assemble the printer.

⚠ CAUTION

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

3.1 Procedure for assembling the stand

Follow the procedure below to assemble the stand.

1. Follow the procedure below to assemble the right stand.

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

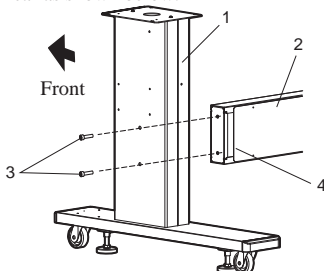   b. Tighten two hexagon socket head cap screws using a hexagonal wrench.
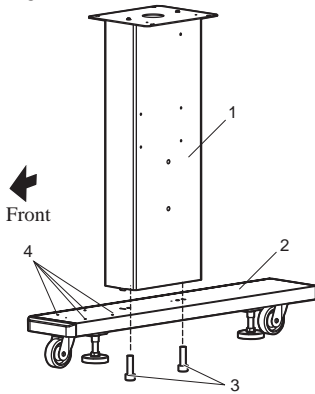
No.	Name	No.	Name
1	Leg part (Right)	4	Screw holes in base part
2	Base part		
3	Hexagon socket head cap screws		

2. Assemble the left stand in the same way as in Step 1.
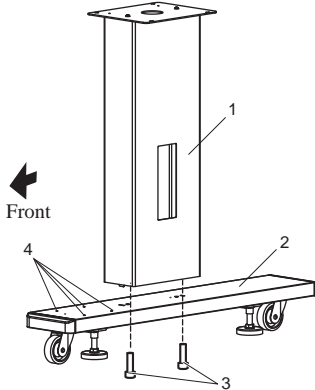
No.	Name	No.	Name
1	Leg part (Left)	4	Screw holes in base part
2	Base part		
3	Hexagon socket head cap screws		

3. 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 below.

No.	Name	No.	Name
1	Stand (Right)	4	Groove in connector bar
2	Connector bar		
3	Hexagon socket head cap screws		

4. Fasten the connector bar to the left stand in the same way as in Step 3.
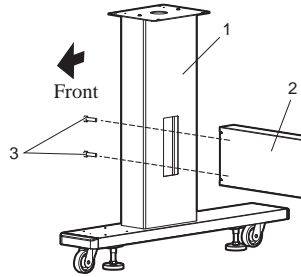
No.	Name	No.	Name
1	Stand (Left)	3	Hexagon socket head cap screws
2	Connector bar		

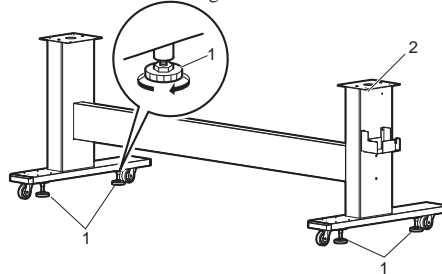5. Attach the waste fluid tank holder to the right stand using four screws.
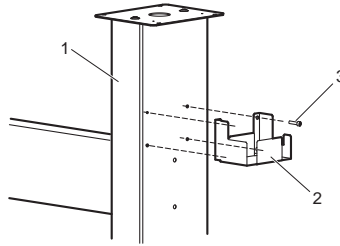
No.	Name	No.	Name
1	Leg part (Right)	3	Screws
2	Waste fluid tank holder		

6. Shake the stand to make sure that each part is firmly attached.
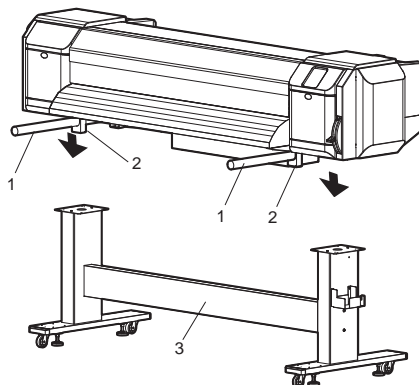
3.2 Attaching the stand

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.

No.	Name	No.	Name
1	Adjusters	2	Stand

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.

No.	Name	No.	Name
1	Transfer stays	3	Stand
2	Transfer brackets		

3. Remove the two transfer stays and fasten the printer to the stand using eight butterfly screws.
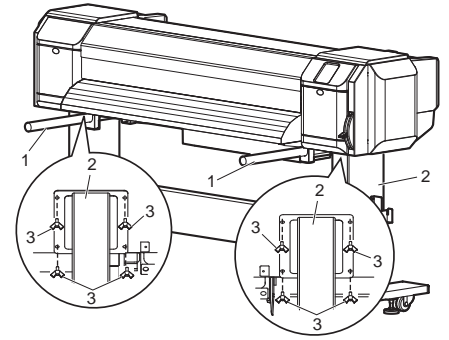
No.	Name	No.	Name
1	Transfer stays	3	Butterfly screws
2	Stand		

4. Follow the procedure below to attach the waste fluid tank.

    a. Place the waste fluid tank in the waste fluid tank holder.

    b. Attach the waste fluid tube to the tank.

    c. Insert the waste fluid sensor cable into the connector on the bottom of the printer.
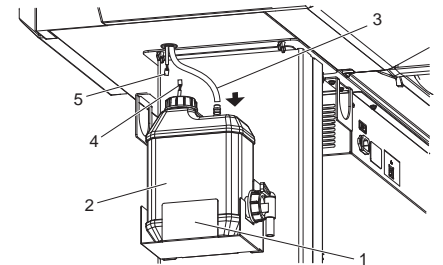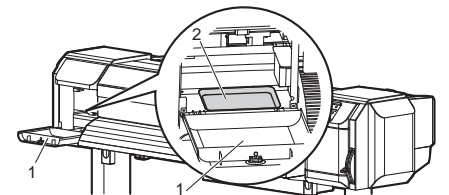

No.	Name	No.	Name
1	Waste fluid tank holder	4	Waste fluid sensor cable
2	Waste fluid tank	5	Waste fluid sensor connector
3	Waste fluid tube		

3.3 Detaching fastening materials

This product has fastening materials in the place shown below.

Detach all protective materials in accordance with the following steps.

1. Remove all tapes from each cover.

2. Open the left maintenance cover, then place the tray.

No.	Name	No.	Name
1	Maintenance cover (Left)	2	Tray

3. Open the front cover, then remove a screw from the head unit fastening material (metal plate) and remove the material.
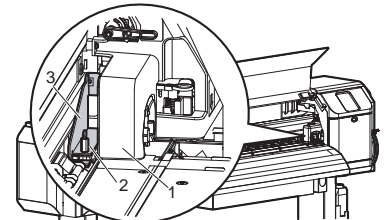
No.	Name	No.	Name
1	Head unit	3	Head unit fastening material (metal plate)
2	Screw		

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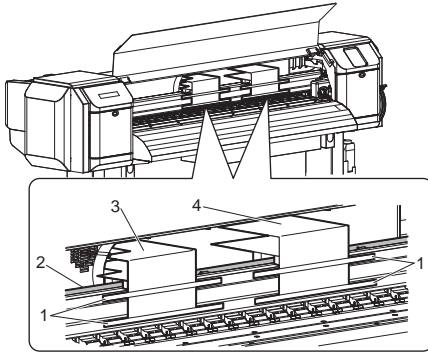
⚠ WARNING

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

No.	Name	No.	Name
1	Tape	3	Bearer protective material
2	T fence	4	Bearer fix

4 Installation

Procedures and environment for installing this product are explained.

4.1   Installation environment

Install this product to the appropriate place with reference to the following.

⚠ WARNING

● **Do not install the printer in the following places where there is a possibility that the printer may be damaged or might fall or be fallen by chance.**
  ・ **On a shaky stand**
  ・ **Slanting location**
  ・ **Places where vibration of other machines etc. is transmitted.**
● **Do not stamp on the printer or do not place heavy things on top of it. The printer may be damaged or might fall or be fallen by chance.**
● **Do not block the vent when covering the printer with cloths, such as a blanket or tablecloth.**
  If the vent is blocked, heat may accumulate inside the printer and may cause a fire.
● **Do not install the printer in a location that has high humidity or is dusty.**
  It could lead to electric shock and fire.

4.1.1 Installation environmental condition

Select an installation location in accordance with the table below.

Floor strength of installation place	More than 2940 Pa (300 kg/m²)		
Power Specification	Rated voltage and Consumption Current	VJ-2638X: (Main) AC100-240V; 10A-5A (Heater 1/2) AC100-240V; 10A-5A	
		VJ-1938X: (Main) AC100-240V; 12A-6.5A (Heater 1/2) AC100-240V; 9A-4.5A	
		VJ-1638X: (Main) AC100-240V; 9A-6A (Heater) AC100-240V; 10A-5A	
		VJ-1938WX: AC100-240V; 2.5A-1.0A	
		VJ-1638WX: AC100-240V; 2.5A-1A	
Environmental conditions	Rated Frequency	50/60Hz	
	Operative condition	Temperature: 20 °C to 32 °C Humidity: 40% to 60%, No Condensation	
	Guaranteed range of printing accuracy	Temperature: 22 °C to 30 °C Humidity: 40% to 60%	
	Change rate	Temperature: within 2 °C per hour Humidity: within 5% per hour	

NOTE

● For temperature and humidity, avoid locations such as the following. There is a possibility that the print quality will be affected.
  ・ Places where temperature or humidity may rapidly change, even though within the required conditions.
  ・ Places that receive direct sunlight, increased illumination or direct air, for example from an air conditioner.
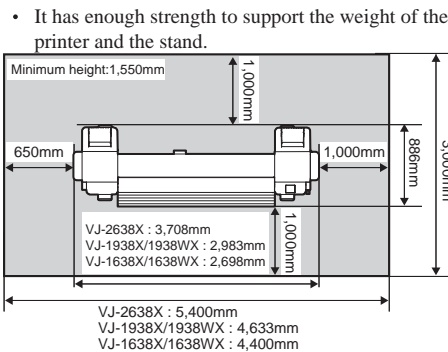 To keep the temperature and humidity constant, install this product in a location where the air condition is adjustable.

4.1.2 Installation space

NOTE

● For the weight of the printer and the stand, refer to the Operation Manual.

Install on a level floor which meets the following condition.

・ It has enough strength to support the weight of the printer and the stand.


4.2   Installation procedure

Install this product to the installation place in accordance with the list shown below.

NOTE

● Please check that the butterfly bolts are not loose before/after carrying this product.
● When transferring or carrying outside, separate the printer and the stand.

1. Check that the eight butterfly bolts attaching the stand and the printer are not loose.

2. Carry the printer to the installation place.

3. Turn the following adjusters in the direction as shown below to prevent the printer from moving.

・ Adjusters : 4 locations
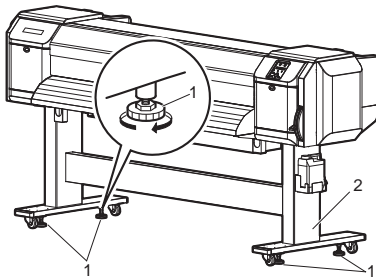
No.	Name	No.	Name
1	Adjuster	2	Stand

4. Confirm that the waste fluid valve is closed.
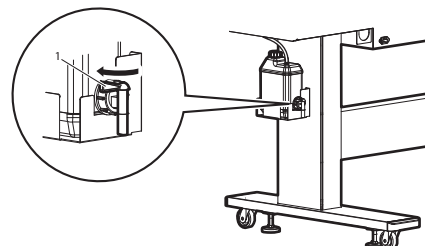
No.	Name
1	Waste fluid valve

5. Check that the eight butterfly screws (8 pieces) attaching the stand and the printer are not loose.
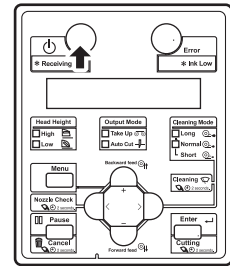
5 Connecting the power cable

This section explains how to connect the power cable.

Follow the steps below to connect the power cable.

⚠ WARNING

● **Be sure to use the specified power cable (separately sold).**
  Using power cables other than the specified can cause an electric shock or fire.
● **Use a power cord set which is compatible with the safety standards, power supply voltage, and plug shape used in the country where this printer is used.**
● **Use a power cord set which is equipped with a protective earth, and securely connect it to the outlet.**
● **Do not use a damaged power cable.**
  It may cause an electric shock or fire.

1. Confirm that the product is turned OFF.

2. Connect the power cables to the AC inlets on the rear of the product.

VJ-2638X/1938X : 3 locations
VJ-1638X   : 2 locations
VJ-1938WX/1638WX : 1 location
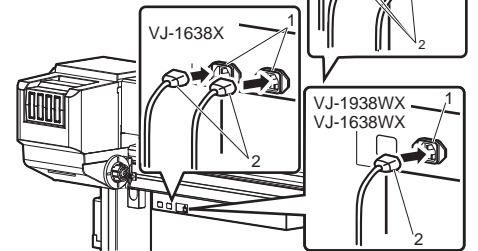
No.	Name	No.	Name
1	AC inlet	2	Power cable

3. Correctly insert the power cable plug into the power socket.

NOTE

● To use the two power cables plugged in the inlets, total capacity described below is required. If the power source cannot supply the required capacity, plug the two or more power cables in the different power sources respectively.
  VJ-2638X: at "EcoMode"   : 26A or more
               at "Powerful"   : 30A or more
  VJ-1938X   : 30A or more
  VJ-1638X   : 19A or more
  VJ-1938WX/1638WX   : 2.5A or more
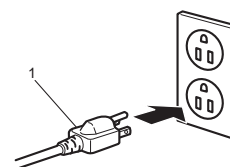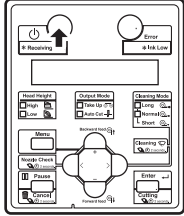

No.	Name
1	Power cable

6 Turning the power ON/OFF

This section explains how to turn ON/OFF the printer.

6.1   Turning the power ON

Follow the procedure below to turn ON the printer.

1.   Press the [Power] key on the operation panel to turn ON the printer.

● The Power lamp on the operation panel lights up in blue.

● The printer starts initial operation.

● When the initial operation is complete, the printer enters normal status.

6.2   Turning the power OFF

Follow the procedure below to turn OFF the printer.

1.   Regarding the operating condition of the printer, confirm the following.

● Printing or other operations are not in progress.

● The operation panel is in normal status.

2.   Press the [Power] key on the operation panel to turn OFF the printer.

● The Power lamp on the operation panel turns OFF.

NOTE

●If the operation panel is in the following status, the power is ON.
   • The [Power] key is pressed in.
   • The Power lamp lights up in Blue.
Press the key once again and turn OFF the power.
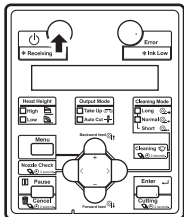
● The printer starts operating to turn the power OFF.

● The operation panel displays "Power Off".

● All the lamps on the operation panel and the LCD monitor are turned OFF.

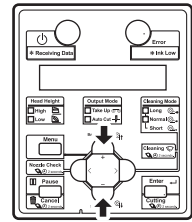● The printer automatically turns the power OFF.

7   Product activation

This printer requires activation when the power is turned ON for the first time.

When "Activation required" is displayed on the Operation panel, refer to "Product Activation Guide"* to perform activation.
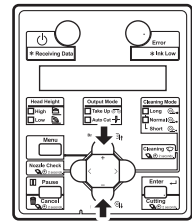
*Please download the "Product Activation Guide" from the ValueJet Club below.

https://valuejetclub.mutoh.co.jp/mutoh/guser/

# 8 Setting the display language and unit

Once activation has been completed, the printer requires setting of the language, temperature unit, and length unit at the time of restart.
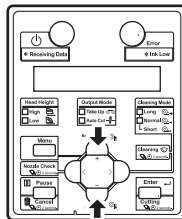
Follow the procedure below to setup.

1.   Once activation has been completed, "Reboot a printer" is displayed on the Operation panel. Press the [Power] key on the Operation panel and turn the power OFF.
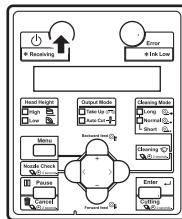
2.   Press the [Power] key on the Operation panel and turn the power ON.
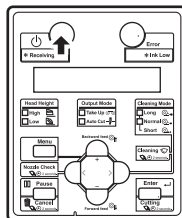
● "Language: English" is displayed on the Operation panel.

3.   Press [+] or [-] key on the Operation panel to select the set value, and press the [Enter] key.

● "Language: English" is displayed on the Operation panel.

● "Temp: Celsius[°C]" is displayed on the Operation panel.

4.   Press [+] or [-] key on the Operation panel to select the set value, and press the [Enter] key.

● If you want to display the temperature in Fahrenheit, select "Temp: Fahrenheit [°F]".

5.   Press [+] or [-] key on the Operation panel to select the set value, and press the [Enter] key.

● If you want to display the temperature in inch, select "Length: inch".

● This completes the setting the display language and units.

● The printer starts initial operation.

● When the initial operation is complete, the printer enters normal status.

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9 Charging ink

This section describes the procedure to install Ink cartridges for the first time.

> **NOTE**
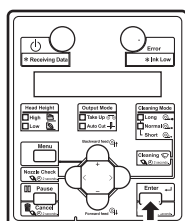>
> ● The procedures differ depending on the product. Check your printer model name and follow the correct procedure.
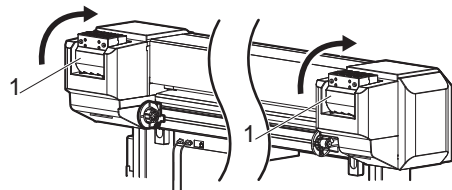
9.1 Installing 220ml/440ml ink cartridges

9.1.1 For VJ-2638X/1938X/1638X

1. Turn the printer ON.

● The printer starts the initializing operation.

● After the initial operation is compete, "Start Ink Charge ? > E" is displayed on the operation panel.

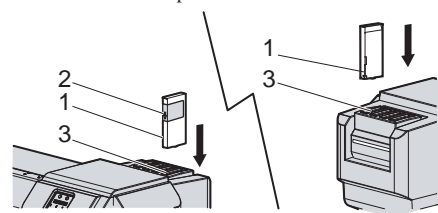2. Press the [Enter] key on the operation panel.

● "Insert Cleaning cart." is displayed on the operation panel.

3. Take out the cleaning cartridge(8pcs) from the bag.

4. Rotate Ink cartridge slots 90 degrees upward.

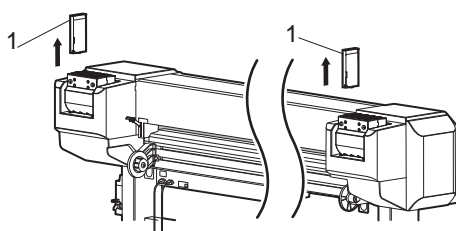| No.	Name
1	Ink cartridge slots

5. Set the cleaning cartridge to the ink cartridge slot.

● Keep the arrow of cleaning cartridge facing up and insert it into the printer toward the front side.

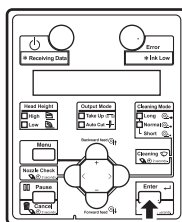| No.	Name	No.	Name
1	Cleaning cartridge	3	Ink cartridge slot
2	Arrow		

● Insert the cleaning cartridge all the way to the end of the ink cartridge slot.

● When all cleaning cartridges are installed, "Busy-Washing" is displayed on the operation panel, and the printer starts charging the cleaning fluid.

● When the cleaning fluid has been charged, "Remove Cartridges" is displayed on the operation panel.

6. Remove all the cleaning cartridges.

No.	Name
1	Cleaning cartridge

● "Busy-Washing" is displayed on the operation panel and the printer starts head cleaning.

● When head cleaning is complete, "Wash retry? No" is displayed on the operation panel.

7. Press the [Enter] key on the operation panel.

● "Insert InkCartridges" is displayed on the operation panel.

8. Take out the ink cartridge from the bag and gently shake it two to three times.

a. For 4 colors

   You need the following cartridges.

   - Black (K)   : 2 cartridges
   - Cyan (C)   : 2 cartridges
   - Magenta (M)   : 2 cartridges
   - Yellow (Y)   : 2 cartridges

b. For 7 colors

   You need the following cartridges.

   - Magenta (M)   : 1 cartridge
   - Light Magenta (Lm)   : 1 cartridge
   - Cyan (C)   : 1 cartridge
   - Light Cyan (Lc)   : 1 cartridge
   - Cleaning fluid (CL)   : 1 cartridge
   - Black (K)   : 1 cartridge
   - Yellow (Y)   : 1 cartridge
   - Light Black (Lk)   : 1 cartridge

9. Install all ink cartridges into the ink cartridge slots on the rear side of the printer.

● Slots for ink cartridges are specified depending on colors of the ink cartridges. Match the ink color label with the ink color before inserting Ink cartridge.

● Insert the ink cartridge all the way to the end of the ink cartridge slot.

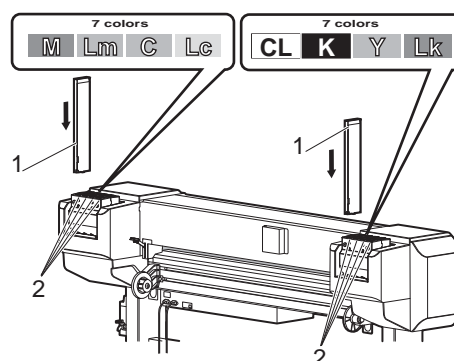● Keep the arrow of Ink cartridge facing up and insert it into the printer toward the front side.
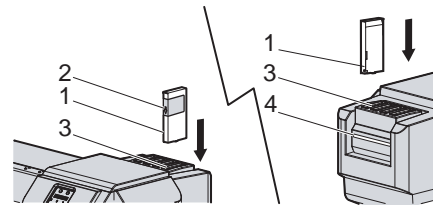
No.	Name	No.	Name
1	Ink cartridge	3	Ink cartridge slot
2	Arrow	4	Ink color label

● Type of 4 Colors
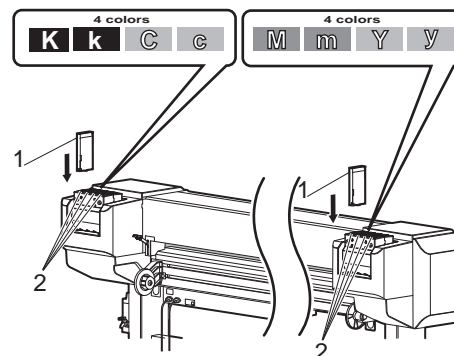
No.	Name	No.	Name
1	Ink cartridge	2	Ink cartridge slots

● Type of 7 Colors

No.	Name	No.	Name
1	Ink cartridge	2	Ink cartridge slots

● When all the ink cartridges are installed, "Ink Refill **%" is displayed on the operation panel and ink charging starts.

● Initial charging takes time as follows.

   - VJ-2638X : Approx 20 minutes
   - VJ-1938X : Approx 18 minutes
   - VJ-1638X : Approx 17 minutes

● Ink charging operation and pause operation are repeated during the ink charging.

● When "100%" is displayed, the ink charging is complete.

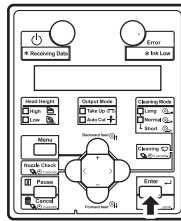● After the ink charging is complete, "Media End" is displayed on the operation panel.

⚠ CAUTION

● **Do not perform the following operations during ink charging. If charging is interrupted,ink will be lost when charging is resumed.**

　・ **Do not turn OFF the power of the printer.**

　・ **Do not unplug the power cable of the printer.**

　・ **Do not open the front cover.**

　・ **Do not open the maintenance cover.**

　・ **Do not raise the media loading lever.**

NOTE

● If the printer performs the nozzle check printing immediately after initial ink charging is complete, the following results may occur.

　• Printed lines become blurred.

　• The data is partially not printed.

　In such cases, follow "6.2.3 Head cleaning" and perform "Little Charge". Then, check the printing 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.

9.1.2 For VJ-1938WX

1. Turn the printer ON.

● The printer starts the initializing operation.

● After the initial operation is compete, "Start Ink Charge ? > E" is displayed on the operation panel.

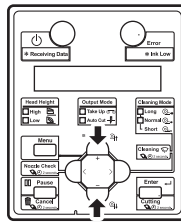2. Press the [Enter] key on the operation panel.

● "Perform Washing? No" is displayed on the operation panel.

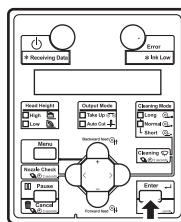3. Select whether to perform cleaning of the ink path before the initial ink charge.

NOTE

● Cleaning may be required depending on the ink type to be set.

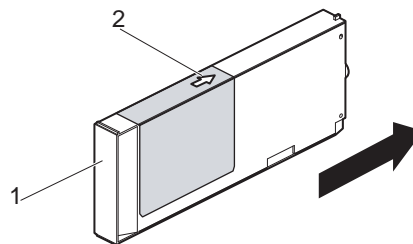● To perform head cleaning, make sure to use the cleaning liquid that matches the ink.

a. When cleaning is required, press the [+] key or [-] key to select "Yes".

b. When cleaning is not required, proceed to the step 8.

4. Press the [Enter] key on the operation panel.

● "Insert Cleaning cart." is displayed on the operation panel.

5. Take out the cleaning cartridge(8pcs) from the bag.

6. Set the cleaning cartridge to the ink cartridge slot.

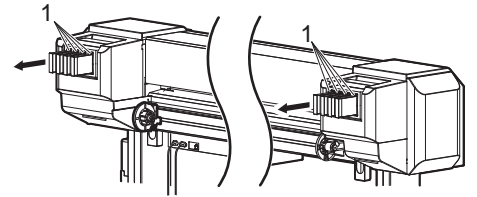● Keep the arrow of Cleaning cartridge facing up and insert it into the printer.

No.	Name	No.	Name
1	Cleaning cartridge	2	Arrow

● Insert the cleaning cartridge all the way to the end of the ink cartridge slot.
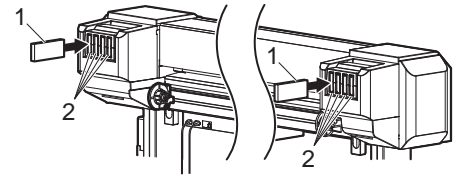
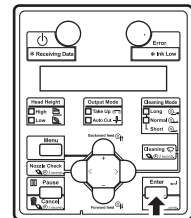| No.	Name	No.	Name
1	Cleaning cartridge	2	Ink cartridge slots

● When all cleaning cartridges are installed, "Busy-Washing" is displayed on the operation panel, and the printer starts charging the cleaning fluid.

● When the cleaning fluid has been charged, "Remove Cartridges" is displayed on the operation panel.

7. Remove all the cleaning cartridges.

No.	Name
1	Cleaning cartridge

● "Busy-Washing" is displayed on the operation panel and the printer starts head cleaning.

● When head cleaning is complete, "Wash retry? No" is displayed on the operation panel.

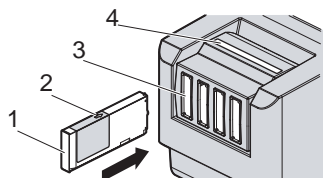8. Press the [Enter] key on the operation panel.

● "Insert InkCartridges" is displayed on the operation panel.

9. Take out the ink cartridge from the bag and gently shake it two to three times.

● You need the following cartridges.

　　Black (K)　　　: 2 cartridges

　　Cyan (C)　　　: 2 cartridges

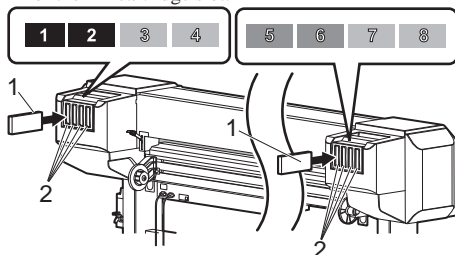　　Magenta (M)　　: 2 cartridges

　　Yellow (Y)　　　: 2 cartridges

10. Install Ink cartridges in Ink cartridge slots on the back of the printer.

- Make sure that Ink cartridges are inserted into the correct Slots. Match the ink color label with the ink color before inserting Ink pack.

- Keep the arrow of Ink cartridge facing up and insert it into the printer.

No.	Name	No.	Name
1	Ink cartridge	3	Ink cartridge slot
2	Arrow	4	Ink color label

- Insert the ink cartridge all the way to the end of the ink cartridge slot.

No.	Name	No.	Name
1	Ink cartridge	2	Ink cartridge slots

- "Ink Refill **%" is displayed on the operation panel and ink charging starts.

- Initial charging takes about 18 minutes.
  Ink charging operation and pause operation are repeated during the ink charging.

- When "100%" is displayed, the ink charging is complete.

- After the ink charging is complete, "Media End" is displayed on the operation panel.

⚠ CAUTION

- **Do not perform the following operations during ink charging. If charging is interrupted,ink will be lost when charging is resumed.**
  - **Do not turn OFF the power of the printer.**
  - **Do not unplug the power cable of the printer.**
  - **Do not open the front cover.**
  - **Do not open the maintenance cover.**
  - **Do not raise the media loading lever.**

NOTE

- If the printer performs the nozzle check printing immediately after initial ink charging is complete, the following results may occur.
  - Printed lines become blurred.
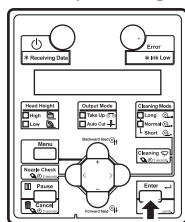 - The data is partially not printed.

  In such cases, follow "5.3 Cleaning menu" and perform "Little Charge". Then, check the printing 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.

9.1.3 For VJ-1638WX

1. Turn the printer ON.

- The printer starts the initializing operation.

- After the initial operation is compete, "Start Ink Charge ? > E" is displayed on the operation panel.
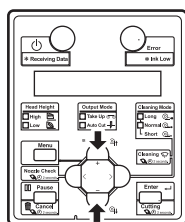
2. Press the [Enter] key on the operation panel.

- "Perform Washing? No" is displayed on the operation panel.

3. Select whether to perform cleaning of the ink path before the initial ink charge.
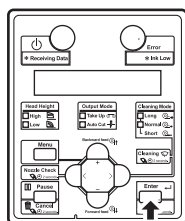
NOTE

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

- To perform head cleaning, make sure to use the cleaning liquid that matches the ink.

a. When cleaning is required, press the [+] key or [-] key to select "Yes".

b. When cleaning is not required, proceed to the step 8.

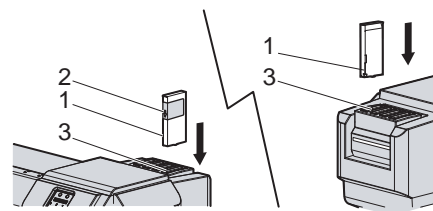4. Press the [Enter] key on the operation panel.

- "Insert Cleaning cart." is displayed on the operation panel.

5. Take out the cleaning cartridge(8pcs) from the bag.

6. Rotate Ink cartridge slots 90 degrees upward.
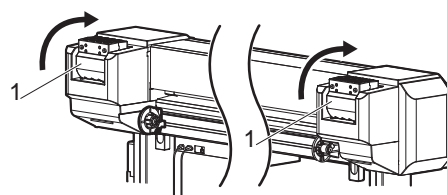
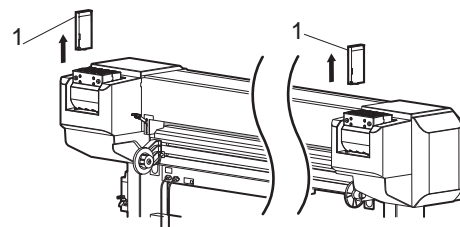| No.	Name
1	Ink cartridge slots

7. Set the cleaning cartridge to the ink cartridge slot.

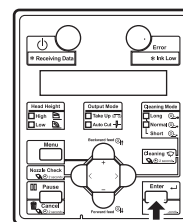Keep the arrow of Ink cartridge facing up and insert it into the printer toward the front side.

No.	Name	No.	Name
1	Ink cartridge	3	Ink cartridge slot
2	Arrow		

- Insert the cleaning cartridge all the way to the end of the ink cartridge slot.

- When all cleaning cartridges are installed, "Busy-Washing" is displayed on the operation panel, and the printer starts charging the cleaning fluid.

- When the cleaning fluid has been charged, "Remove Cartridges" is displayed on the operation panel.

8. Remove all the cleaning cartridges.

No.	Name
1	Cleaning cartridge

- "Busy-Washing" is displayed on the operation panel and the printer starts head cleaning.

- When head cleaning is complete, "Wash retry? No" is displayed on the operation panel.

8. Press the [Enter] key on the operation panel.

- "Insert InkCartridges" is displayed on the operation panel.
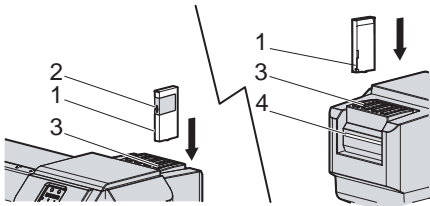
9. Take out the ink cartridge from the bag and gently shake it two to three times.

- You need the following cartridges.

  - Black (K)   : 2 cartridges
  - Cyan (C)   : 2 cartridges
  - Magenta (M)   : 2 cartridges
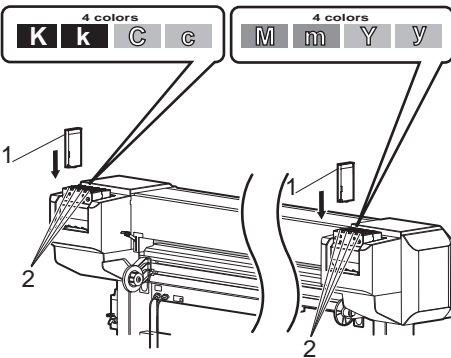 - Yellow (Y)   : 2 cartridges

10. Install Ink cartridges in Ink cartridge slots on the back of the printer.

● Make sure that Ink cartridges are inserted into the correct Slots. Match the ink color label with the ink color before inserting Ink pack.

● Keep the arrow of Ink cartridge facing up and insert it into the printer.

No.	Name	No.	Name
1	Ink cartridge	3	Ink cartridge slot
2	Arrow	4	Ink color label

● Insert the ink cartridge all the way to the end of the ink cartridge slot.

No.	Name	No.	Name
1	Ink cartridge	2	Ink cartridge slots

● "Ink Refill **%" is displayed on the operation panel and ink charging starts.

● Initial charging takes about 17 minutes. Ink charging operation and pause operation are repeated during the ink charging.

● When "100%" is displayed, the ink charging is complete.

● After the ink charging is complete, "Media End" is displayed on the operation panel.

⚠ CAUTION
● **Do not perform the following operations during ink charging. If charging is interrupted, ink will be lost when charging is resumed.**
  ・ **Do not turn OFF the power of the printer.**
  ・ **Do not unplug the power cable of the printer.**
  ・ **Do not open the front cover.**
  ・ **Do not open the maintenance cover.**
 ・ **Do not raise the media loading lever.**

NOTE
● If the printer performs the nozzle check printing immediately after initial ink charging is complete, the following results may occur.
  ・ Printed lines become blurred.
  ・ The data is partially not printed.
  In such cases, follow "5.3 Cleaning menu" and perform "Little Charge". Then, check the printing 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.

9.2 Installing high capacity pack adapters (option, VJ-2638X/1938X/1638X)

Use the optional high capacity pack adapters to use the 1,000ml ink bags on VJ-2638X/1938X/1638X.

Follow the procedure below to install the high capacity pack adapters.

1. Turn the printer ON.

● The printer starts the initializing operation.

● After the initial operation is complete, "Start Ink Charge -- > E" is displayed on the operation panel.

2. Press the [Enter] key on the operation panel.
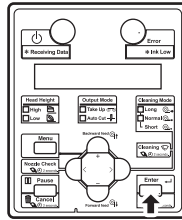
● "Insert Cleaning cart." is displayed on the operation panel.

3. Take out the cleaning fluid bags (8 pieces) and smart chip cards (8 pieces) from the bag.

4. Install the cleaning fluid bag and smart chip card to the high capacity pack adapters.

NOTE
● To install or remove the cleaning fluid bag and smart chip card to/from the high capacity pack adapter, refer to the operation manual included with high capacity pack adapter.

5. Insert the high capacity pack adapters into the ink cartridge slot.

NOTE
● Make sure that the cleaning fluid bag and smart chip are installed on the high capacity pack adapter before inserting it to the slot. If the high capacity pack adapters are inserted into the slot without the cleaning fluid bag, the remaining information will be rewritten and the cleaning fluid bag will not be usable.

● Insert the high capacity pack adapter all the way to the end of the slot.
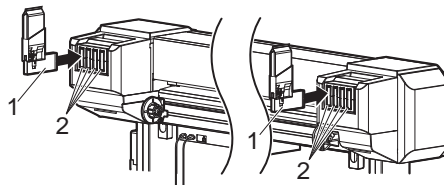
No.	Name	No.	Name
1	High capacity pack adapter	2	Ink cartridge slots

● When all high capacity pack adapters are installed, "Busy-Washing" is displayed on the operation panel, and the printer starts charging the cleaning fluid.

● When the cleaning fluid has been charged, "Remove Cartridges" is displayed on the operation panel.

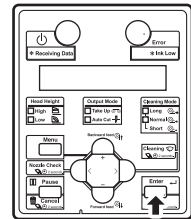6. Remove all the high capacity pack adapters.
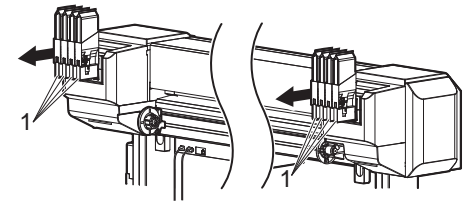
No.	Name
1	High capacity pack adapter

● "Busy-Washing" is displayed on the operation panel and the printer starts head cleaning.

● When head cleaning is complete, "Wash retry? No" is displayed on the operation panel.

NOTE
● Do not remove only cleaning fluid bag while high capacity pack adapter is installed on the printer. The information of the remaining smart chip card will be rewritten and the cleaning fluid bag will not be usable.

7. Press the [Enter] key on the operation panel.

● "Insert InkCartridges" is displayed on the operation panel.

8. Remove the cleaning fluid bag and smart chip card from the high capacity pack adapter.

NOTE
● When there is remaining cleaning fluid bag and smart chip card, clarify the corresponding bag and card, and store it as a set.

9. Install the ink bag and smart chip card to high capacity pack adapter.

● You need the following ink bags.
  ・ Black (K)　　: 2 ink bags
  ・ Cyan (C)　　: 2 ink bags
  ・ Magenta (M)　: 2 ink bags
  ・ Yellow (Y)　　: 2 ink bags

NOTE
● Do not insert High-capacity ink pack adapter into Ink cartridge slot without attaching Ink bag.

  The information of the remaining IC chip card will be rewritten and Ink bag will not be usable.
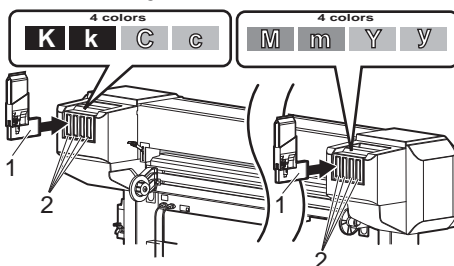
11. Install all High-capacity ink pack adapters into the ink cartridge slots on the rear side of the printer.

● Shake High-capacity ink pack adapter 2 to 3 times lightly before installing it in Ink cartridge slot.

● Make sure that Ink bags are inserted into the correct Slots.

● Match the ink color label with the ink color before inserting Ink bags.
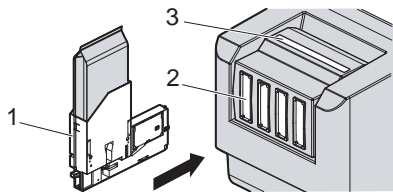
No.	Name	No.	Name
1	High capacity pack adapter	3	Ink color label
2	Ink cartridge slots		

● Insert High-capacity ink pack adapters all the way in Ink cartridge slots.

No.	Name	No.	Name
1	Ink cartridge	2	Ink cartridge slots

● When a High-capacity ink pack adapter is installed, "Ink Refill **%" is displayed on Operation panel and ink charging starts.

● Times resuired for the initial ink charging is as follows.
  - VJ-2638X   : Approx 20 minutes
  - VJ-1938X   : Approx 18 minutes
  - VJ-1638X   : Approx 17 minutes

● Ink charging operation and pause operation are repeated during the initial ink charging.

● When "100%" is displayed, the ink charging is complete.

● After the ink charging is complete, "Media End" is displayed on the operation panel.

⚠ CAUTION

● **Do not perform the following operations during ink charging. If charging is interrupted,ink will be lost when charging is resumed.**
  - **Do not turn OFF the power of the printer.**
  - **Do not unplug the power cable of the printer.**
  - **Do not open the front cover.**
  - **Do not open the maintenance cover.**
  - **Do not raise the media loading lever.**

NOTE

● If the printer performs the nozzle check printing immediately after initial ink charging is complete, the following results may occur.
  - Printed lines become blurred.
  - The data is partially not printed.
  In such cases, follow "5.3 Cleaning menu" and perform "Little Charge". Then, check the printing 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" and check the print result.
If there is still no improvement, contact your local MUTOH dealer.

10 Loading the roll media

This section describes how to load roll media.

Place the roll media in the center of the printer. Follow the steps below to load roll media.

NOTE

● For VJ-2638X, refer to the operation manual of Heavy take-up unit.
☞Instruction Manual for Heavy-Duty take-up unit."4.3 Setting the Roll Paper"

1. Loosen Fixing levers on the Roll media holders (both left and right①) on the back of the printer. Set the distance between Roll media holders wider (②) than the actual width of the roll media to be set.
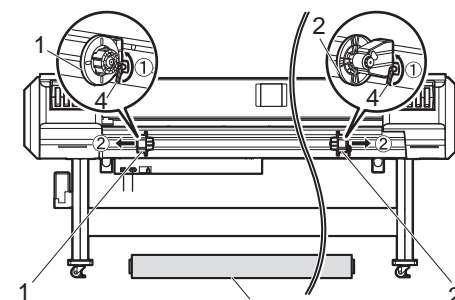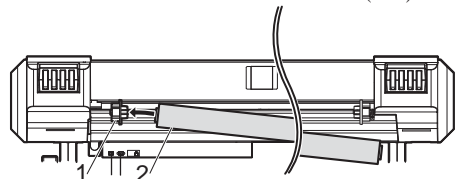
No.	Name	No.	Name
1	Roll media holder (Left)	3	Roll media
2	Roll media holder (Right)	4	Fixing levers

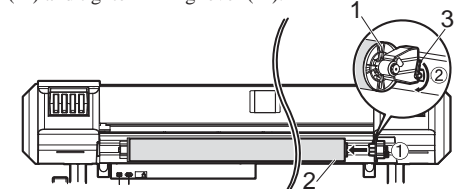2. Tighten Fixing lever of Roll media holder (Left) and fix the roll media holder (Left).
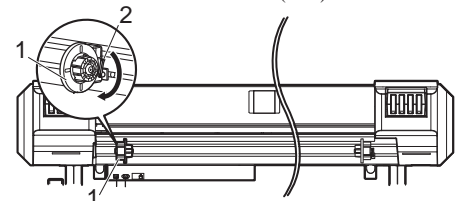
No.	Name	No.	Name
1	Roll media holder (Left)	2	Fixing lever

3. Set the roll media to Roll media holder (Left).

No.	Name	No.	Name
1	Roll media holder (Left)	2	Roll media

4. Attach Roll media holder (Right) to the roll media (①) and tighten Fixing lever (②).

No.	Name	No.	Name
1	Roll media holder (Right)	3	Fixing lever
2	Roll media		

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.

5. Loosen the fixing levers of the right and left roll media holders (①), move the roll media to the center (②),press Roll media holder toward the printer(③), and tighten the levers (④).
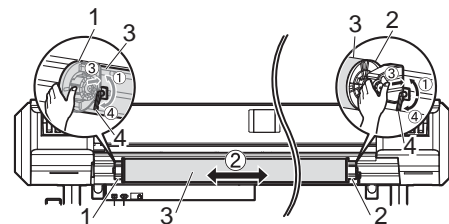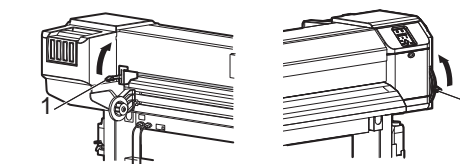
No.	Name	No.	Name
1	Roll media holder (Left)	3	Roll media
2	Roll media holder (Right)	4	Fixing levers

6. Turn the printer ON.

● The printer starts initial operation.

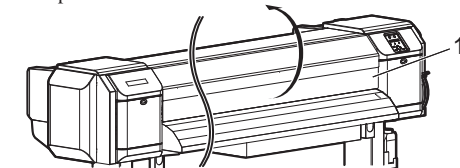● "Media End" is displayed on the operation panel.

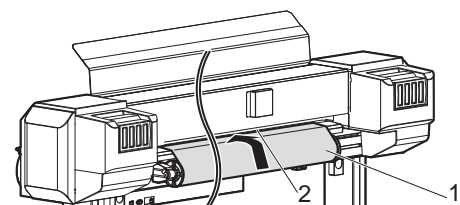7. Raise front or rear Media loading lever.

No.	Name
1	Media loading lever

● "Lever Up" is displayed on Operation panel.

8. Open Front cover.

No.	Name
1	Front cover

9. Set the roll media to Media feed slot.

No.	Name	No.	Name
1	Roll media	2	Media feed slot

10. Pull the roll media out about 1 m from the front Media feed slot which is located inside of Frontcover.
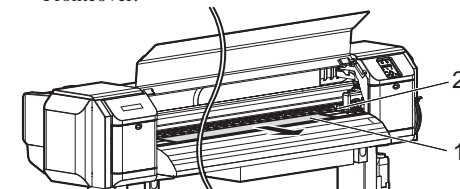
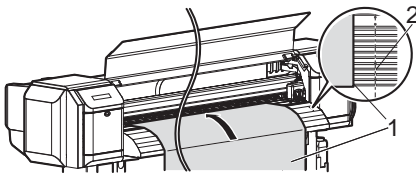| No.	Name	No.	Name
1	Roll media	2	Media feed slot

11. 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

- This procedure must be done by 2 or more people.
- 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.
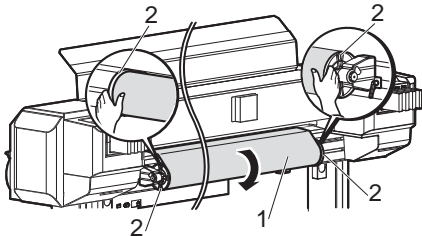
No.	Name	No.	Name
1	Roll media	2	Roll media holder

No.	Name	No.	Name
1	Roll media	2	Media loading mark

12. Make sure that the edges of the media is appropriately pressed by Pressurizing rollers.

- When the media is set as shown in the following figure "Not adequate", follow the procedure to adjust the position of the roll media.
- If the media is set as shown in the following figure "Not adequate", the media may be misaligned or creased during printing.
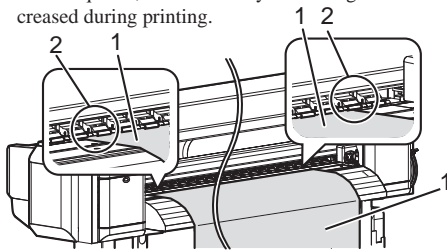
No.	Name	No.	Name
1	Roll media	2	Pressurizing roller
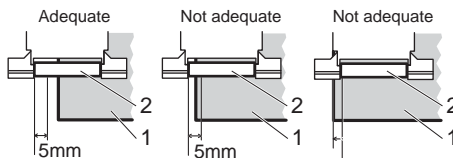
<VJ-2638X/1938X/1638X>

No.	Name	No.	Name
1	Roll media	2	Pressurizing roller

<VJ-1938WX/1638WX>
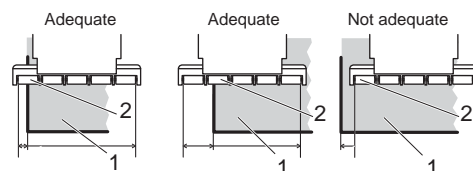
No.	Name	No.	Name
1	Roll media	2	Pressurizing roller

a. Loosen Fixing levers of the right and left Roll media holders (①), and move the roll media to left or right (②).

b. After moving the roll media (③), fix it with Fixing levers of the right and left Roll media holders (④).

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.
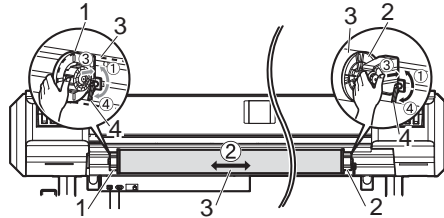
No.	Name	No.	Name
1	Roll media holder (Left)	3	Roll media
2	Roll media holder (Right)	4	Fixing levers

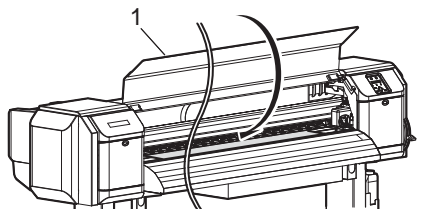13. Lower front or rear Media loading lever.
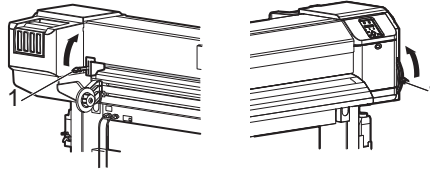
No.	Name
1	Media loading lever

NOTE

- When applying pressure on the media, lower the media loading lever further.
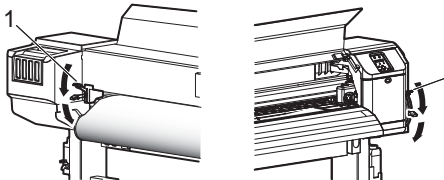
No.	Name
1	Media loading lever

14. Close Front cover.

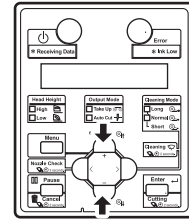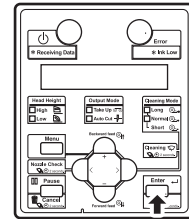| No.	Name
1	Front cover

- "User: TypeXX" (XX is a number between 1 and 15) is displayed on the operation panel.

15. Press the [+] key or [-] key to select the user type setting.

16. Press the [Enter] key on the operation panel.

- The user type setting is set.
- "Media initial" is displayed on the operation panel and media initialization starts.
- After media initial operation is complete, "Ready to Print" is displayed on the operation panel and the display shifts to Normal.

17. Wind back the roll media with the Roll media holder to remove a media bend.
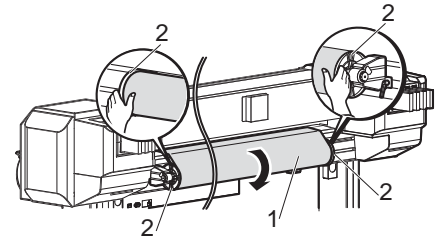
No.	Name	No.	Name
1	Roll media	2	Roll media holder

- Media set is complete.
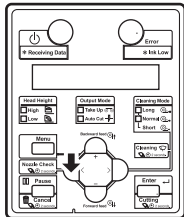
11 Checking printing conditions

Check the condition of the print head after the ink replenishment.

1. Turn ON the printer and load the roll media.

☞10 Loading the roll media

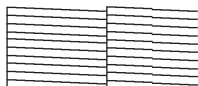2. Confirm that "Ready to print" is displayed on Operation panel.

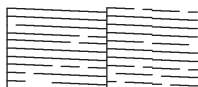3. Confirm that "Ready to print" is displayed on Operation panel.

• Nozzle check printing starts.

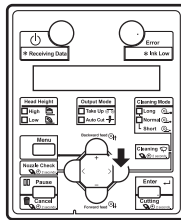4. Check the sample print for blurred or missing parts in the check pattern.

No nozzle clog

Nozzle clogged

5. If the nozzle check result indicates that there is a problem such as mentioned above in the check pattern, clean the head.

• Press and hold the [>] key on the operation panel for two seconds or more.

• "Cleaning **%" is displayed on the operation panel.

6. Head cleaning starts.

NOTE

● If one time of head cleaning was not enough to remove blurred or missing parts in the check pattern, perform "Long" cleaning.
● If those problems above were not improved after a few times of head cleaning, refer to the following, and perform required procedures.

☞ Operation Manual "7 Troubleshooting"

7. Perform nozzle check printing again and check the condition of the print head.

12 Manual composition

This product includes the following three manuals.

● **Installation Manual (this manual)**
This manual explains the procedures of unpacking, installing, and the basic set up.

● **Product Activation Guide**
This manual explains the procedures when the printer starts up first time.

● **Operation Manual (CD-ROM)**
The Operation Manual explains the basic installation, daily use and applicable functions.

TIP

● Please download the "Product Activation Guide" from the ValueJet Club below.

https://valuejetclub.mutoh.co.jp/mutoh/guser/

● Operation Manual of this product is created with PDF format.

● Adobe Acrobat Reader 6.0 or above is required to view PDF format.
Adobe Reader is available for free download at Adobe's website.