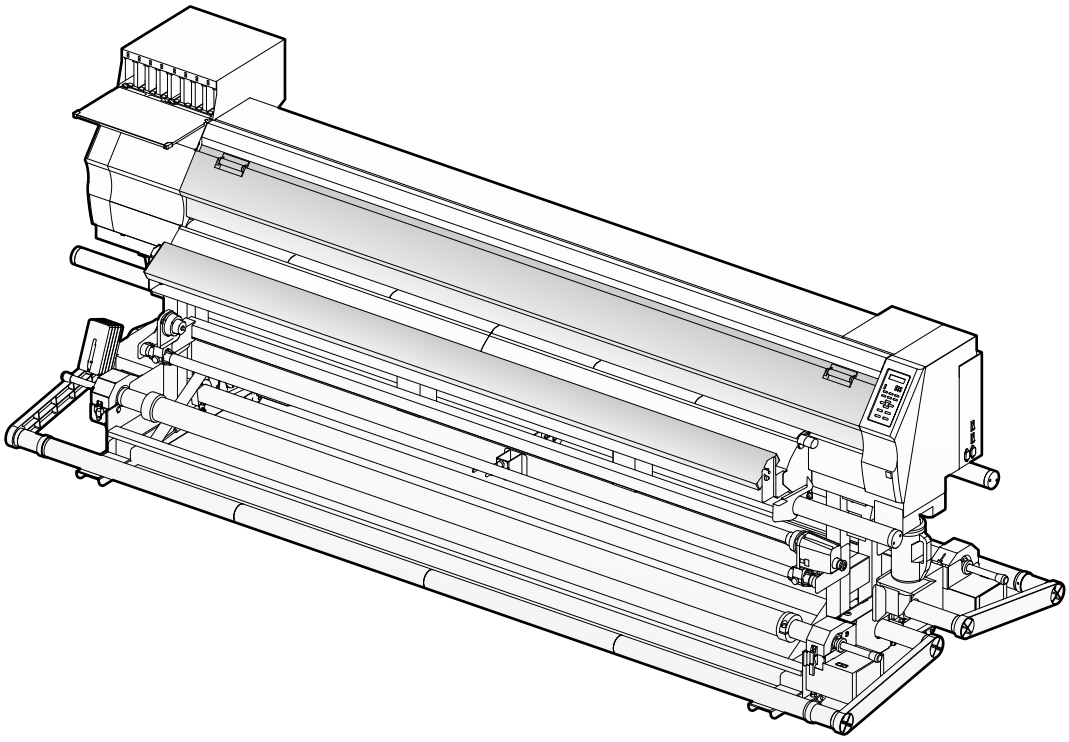
OPERATION MANUAL

# COLOR INKJET PRINTER

# JV34-260

# OPERATION MANUAL




**MIMAKI ENGINEERING CO., LTD.**

URL: http: // www.mimaki. co. jp/



D202193-11

Original instructions

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## DISCLAIMER OF WARRANTY

THIS LIMITED WARRANTY OF MIMAKI SHALL BE THE SOLE AND EXCLUSIVE WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS, AND MIMAKI NEITHER ASSUMES NOR AUTHORIZES DEALER TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY OR MAKE ANY OTHER WARRANTY OR MAKE ANY OTHER WARRANTY IN CONNECTION WITH ANY PRODUCT WITHOUT MIMAKI'S PRIOR WRITTEN CONSENT.
IN NO EVENT SHALL MIMAKI BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR LOSS OF PROFITS OF DEALER OR CUSTOMERS OF ANY PRODUCT.

## Requests

- This Operation manual has been carefully prepared for your easy understanding.
  However, please do not hesitate to contact a distributor in your district or our office if you have any inquiry.
- Description contained in this Operation manual are subject to change without notice for improvement.

## FCC Statement (USA)

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 Operation 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.
In the case where MIMAKI-recommended cable is not used for connection of this device, limits provided by FCC rules can be exceeded.
To prevent this, use of MIMAKI-recommended cable is essential for the connection of this printer.

## Interference to televisions and radios

The product described in this manual generates high frequency when operating.
The product can interfere with radios and televisions if set up or commissioned under improper conditions.
The product is not guaranteed against any damage to specific-purpose radio and televisions.
The product's interference with your radio or television will be checked by turning on/off the power switch of the product.
In the event that the product is the cause of interference, try to eliminate it by taking one of the following corrective measures or taking some of them in combination.

- Change the orientation of the antenna of the television set or radio to find a position without reception difficulty.
- Separate the television set or radio from this product.
- Plug the power cord of this product into an outlet which is isolated from power circuits connected to the television set or radio.


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# Foreword

Congratulations on your purchase of MIMAKI color ink jet printer "JV34-260" .
“JV34-260” is a color inkjet printer that can print on 2.6m-width media (tarpaulin/FF/polyvinyl chloride film etc.) with solvent ink (4-color) or aqueous ink (4-color and 6-color) realizing high image quality.

## About usable ink

Usable ink for this machine is SS21 ink (four-color model).
You can use SS21 ink (four-color model) and Sb52 ink (four-color/ six-color model) for this machine.
SS21 ink of four-color and Sb52 ink of four-color/ six-color are available.

- 4-colors version: 2 each of Cyan, Magenta, Yellow and Black color ink cartridge are useable.
- 6-colors version: 1 each of Cyan, Magenta, Yellow, Black, Light cyan and Light magenta color ink cartridge (2 each of Cyan and Magenta only) are usable.

Important!

- Six-color model can be used when you use Sb52 ink.

- The recommended values of the heater temperature setting etc. differ depending on the ink type to be used. Depending on the ink type, use this machine under the best conditions.
(☞ P.7-4 “Setting orders depending on ink type”)

## On This Operation manual

- This Operation manual is describing the operations and maintenance of "Color inkjet printer JV34-260" (called as this machine hereafter)
- Read this Operation manual carefully and understand them thoroughly to use.
- It is also necessary to keep this Operation manual on hand.
- This Operation manual has been carefully prepared for your easy understanding, however, please do not hesitate to contact a distributor in your district or our office if you have any inquiry.
- Descriptions contained in this Operation manual are subject to change without any notice for improvement.
- In the case when this Operation manual should be illegible due to destruction or lost by fire or breakage, purchase another copy of the Operation manual from our office.
- You can also download the latest manual from our website.

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## Symbols

Symbols are used in this Operation Manual for safe operation and for prevention of damage to the machine.
The indicated sign is different depending on the content of caution.
Symbols and their meanings are given below. Please follow these instructions as you read this manual.

### Examples of symbols

| Meaning | |
|---|---|
|   | Failure to observe the instructions given with this symbol can result in death or serious injuries to personnel. Be sure to read it carefully and use it properly. |
|   | Failure to observe the instructions given with this symbol can result in injuries to personnel or damage to property. |
|   | Important notes in use of this machine are given with this symbol. Understand the notes thoroughly to operate the machine properly. |
|  | Useful information is given with this symbol. Refer to the information to operate the machine properly. |
|  | Indicates the reference page for related contents. |
|  | The symbol " △ " indicates that the instructions must be observed as strictly as the CAUTION instructions (including DANGER and WARNING instructions). A sign representing a precaution (the sign shown at left warns of hazardous voltage) is shown in the triangle. |
|  | The symbol " ⃠ " indicates that the action shown is prohibited. A sign representing a prohibited action (the sign shown at left prohibits disassembly) is shown in or around the circle. |
|  | The symbol " ● " indicates that the action shown must be taken without fail or the instructions must be observed without fail. A sign representing a particular instruction (the sign shown at left instructs to unplug the cable from the wall outlet) is shown in the circle. |


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## Warning for Use

### ⚠ WARNING

- Do not use the machine in a poorly ventilated room or a closed room.
- Be sure to use the optional Rear fan when the machine is used in a poorly ventilated room or a closed room.
- Use the attached power cable.
- Take care not to damage, break or work upon the power cable. If a heavy material is placed on the power cable, or if it is heated or pulled, the power cable can break, thus resulting in fire or electric shocks.
- Avoid locating the machine in a damp environment. Do not splash water onto the machine. Use in such an environment can give rise to fire, electric shocks or breakdown of the machine.
- Use of the machine under an abnormal condition where it produces smoke or strange smell can result in fire or electric shocks. If such an abnormality is found, be sure to turn off the power switch immediately and unplug the cable from the wall outlet. Check first that the machine no longer produces smoke, and then contact your distributor or a sales office of MIMAKI for repair.
- Never repair your machine by yourself since it is very dangerous for you to do so.
- Never disassemble or remodel the main unit of the machine or the ink cartridge. Disassembly or remodeling can result in an electric shock or breakdown of the machine.
- Take care that no dust or dirt sticks to platen heaters. Dust and dirt sticking heaters can cause fire.

- The ink used for this machine contains organic solvent. Since the ink is flammable, never use flame in or around the place where this machine is used.

**Hazardous Moving Parts**
Keep Fingers and Other Body Parts Away

## Precautions in Use

### ⚠ CAUTION

**Power supply**

- Leave the breaker turned ON.
- Do not turn off the main power switch on the right side of this machine.

**Heater**

- Do not spill liquid on the platen as this may cause failure of the heater or firing.
- Do not touch platen heaters with bare hand while it is hot; otherwise, you can get burned.

- When the machine is to be moved, wait until the heater temperature drops adequately.
  As a criterion, wait at least 30 minutes after you turn off the power to the heater.
  Moving the machine must be limited to on the same floor where there is no steps. When the machine is to be moved to any place other than on the same step-free floor, contact your distributor or a sales office of MIMAKI.

**Handling of ink**

- If you get ink in your eyes, immediately wash your eyes with a lot of clean water for at least 15 minutes. In doing so, also wash eyes to rinse ink away completely. Then, consult a doctor as soon as possible.
- If anyone drinks ink by mistake, keep him or her quiet and see a doctor immediately. Do not allow him or her to swallow the vomit. After that, contact the Poison Control Center.
- If you inhale a lot of vapor and feel bad, immediately move to a location of fresh air and then keep yourself warm and quiet. Then, consult a doctor as soon as possible.
- 
- The ink contains organic solvent. If ink settles on the skin or clothes, immediately wash it off with detergent and water.(only when solvent is used)

**Note on maintenance**

- When cleaning the ink-station or the heads, make sure to wear the attached gloves.
  Further, when the solvent ink is used, it is necessary to wear the attached goggles.

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## CAUTIONS and NOTES

### ⚠ Warning

#### Handling of ink cartridges

- Use the JV34 genuine ink. Remember that the user shall be filled for a repair to correct any damage resulting from the use of ink other than the exclusive type.
- The machine does not operate with any ink other than the JV34 genuine ink.
- Do not use the JV34 genuine ink with other printers, as doing so may cause damage to such machines.
- Never refill the ink cartridge with ink. Refilled ink cartridge can cause a trouble. Remember that MIMAKI assumes no responsibility for any damage caused by the use of the ink cartridge replenished with ink.
- If the ink cartridge is moved from a cold place to a warm place, leave it in the room temperature for three hours or more before using it.
- Open the ink cartridge just before installing it in the machine. If it is opened and left for an extended period of time, normal printing performance of the machine may not be ensured.
- Make sure to store ink cartridges in a cool and dark place.
- Store ink cartridges and waste ink tank in a place that is out of the reach of children.
- Be sure to thoroughly consume the ink in the ink cartridge, once it is opened, within three months. If an extended period of time has passed away after opening the cartridge tank, printing quality would be poor.
- Neither pound the ink cartridge nor shake it violently, as doing so can cause leakage of ink.
- Do not touch or stain the contacts of the ink cartridge, as doing so may cause damage to the print circuit board.
- Waste ink is equivalent to waste oil of industrial waste. Request an industrial waste disposal company for disposal of waste ink.

#### Front cover and lever

- Never open the front cover or raise the lever during printing. Opening the cover or raising the lever will abort printing.

#### Handling of media

- Use media recommended by MIMAKI to ensure reliable, high-quality printing.
- Set the heater temperature to meet the characteristics of the media.
  Set the temperature of the Pre-heater, Print heater and Post-heater according to the type and characteristics of the media used. Automatic temperature setting can be made on the operation panel by setting the profile on the dedicated RIP. For setting on the RIP, refer to the instruction manual for your RIP.
- Pay attention to the expansion and contraction of the media.
  Do not use media immediately after unpacking. The media can be affected by the room temperature and humidity, and thus it may expand and contract.The media have to be left in the atmosphere in which they are to be used for 30 minutes or more after unpacked.
- Do not use curled media.
  The use of curled media can not only cause a media jam but also affect print quality.
  Straighten the sheet of media, if significantly curled, before using it for printing. If a regular-sized coated sheet of media is rolled and stored, the coated side has to face outside.

#### Protection of media from dust

- Store media in a bag. Wiping off dust accumulated on media will adversely affect the media due to static electricity.
- When leaving the workshop after the working hours, do not leave any media on the roll hanger. If any media is left on the roll hanger, it can get dusty.

### ⚠ Warning

#### Notes on maintenance

- It is strongly recommended to use the machine in a room that is not dusty. Set the Refresh level 2 or 3 when the machine is to be used in an unfavorable environment. (P.3-26 “Other Settings”)
- Keep the front cover closed even when the machine is not printing. If not, dust can accumulate on the nozzles in the heads.
- Dust in the heads can also cause drops of ink to fall suddenly down on the media during printing. In such a case, be sure to clean up the heads. (P.3-20 “Setting Automatic Cleaning”)
- When cleaning the ink-station or the heads, make sure to wear the attached gloves. Further, when the solvent ink is used, it is necessary to wear the attached goggles.
- Perform wiping (removal of dust and paper powder) of the capping station and wiper frequently.

#### Periodic replacement parts

- Some parts of this machine must be replaced with a new one periodically by service personnel. Be sure to make a contract with your distributor or dealer for After sale service to ensure a long life of your machine.

#### Disposition of this machine

- When discarding this machine, request the treatment of it for an industrial waste disposal contractor.
- Treat it properly in compliance with regulation in the local area.


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This machine can be used with a roll media and leaf media.
For usable medias, refer to P.1-14 “Usable sizes of media”.

## Adjusting the Head Height

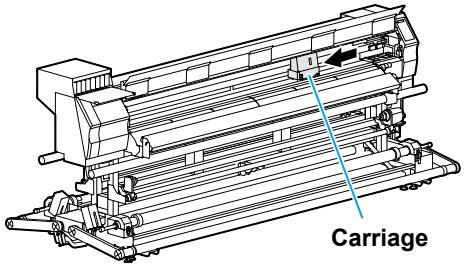
Adjust the head height according to the thickness of the media you use.

Important!

- Adjust the head height prior to setting the media.If the head height is adjusted after the media is set, this may cause a media jamming, deterioration of the print quality or head damage.
- The range of the initial head height is adjustable by 2 levels according to the purpose of use.
- The range of the printing height of JV34 is from L range (2 mm/3 mm) to H range (3 mm/4 mm). (Set to L range 2 mm at shipping)
- If the print quality is set to "Bi-D" ( ☞ P.3-14 ), perform "Dot position correction" of the type registration after the head height is adjusted.(☞ P.3-6)

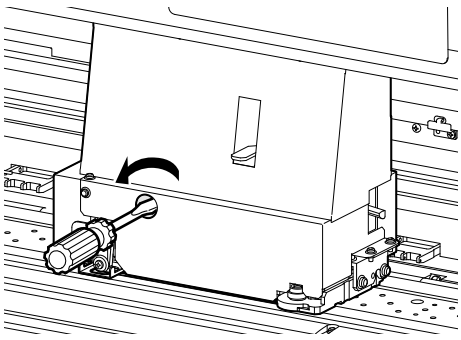
### 1 Move the carriage to the platen.

- When the device is turned ON
  :Execute [ST.MAINTENANCE - CARRIAGE OUT] of the Maintenance functions.(☞ P.5-5 Step1,2)
- When the device is turned off :
  Open the front cover, then move the carriage by hand.

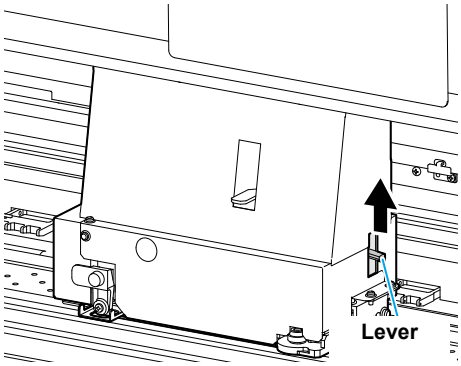



### 2 Loosen the screw in front.

- Loosen the screws, rotating each by one turn of a standard screwdriver.

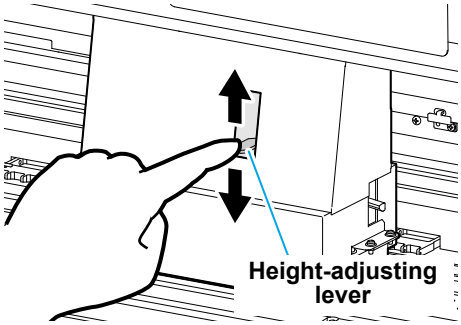


### 3 Raise the lever of the right side of the carriage.




### 4 Adjust the height-adjusting lever according to the media.

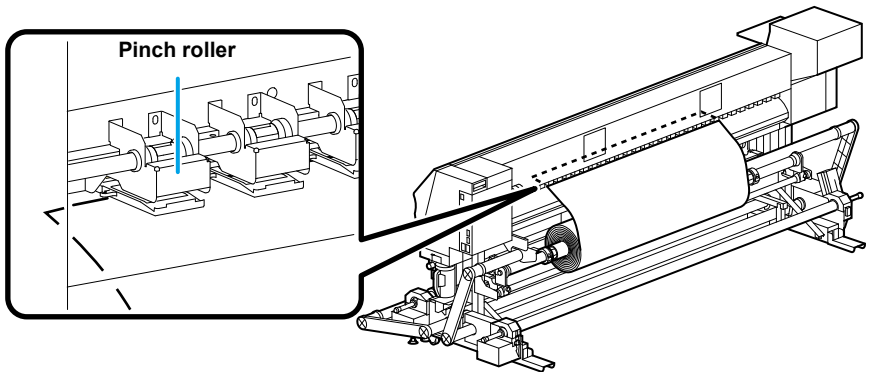
- Adjust the position of the lever, referring to “For the Adjusting Lever and the Range”.
- Set the height-adjusting lever to the highest stage or the lowest stage.Setting it to the intermediate height, a printing fault can result.





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## 8 Insert the roll media in this machine.

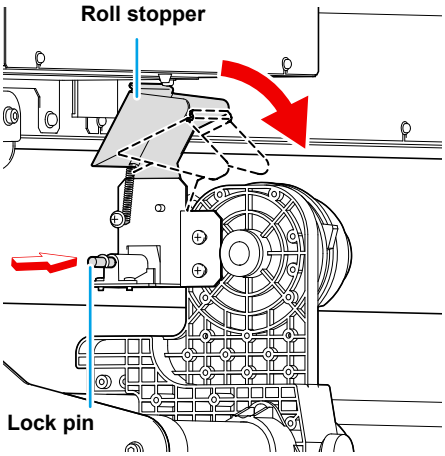



• The roll media can be smoothly inserted by slanting the media.

**(1)** Pull the media out of the roll to the head of the platen.
**(2)** Insert the media between the platen and the pinch roller.
  • Pull the media out of the roll so that the media can be grasped from the front of the machine.
**(3)** Push down the clamp lever from the back of this machine.
  • The media is held.

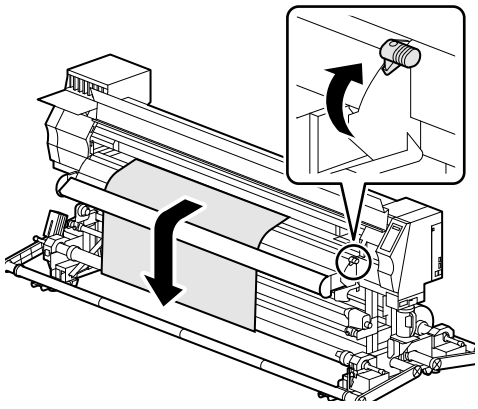
## 9 Lock the roll stopper.

**(1)** Turn the roll stopper to the arrow direction shown on the right.
**(2)** Push the lock pin and fix it.




## 10 Pull out the roll media out.

**(1)** Open the front cover.
**(2)** Raise the clamp lever from the back of this machine.
**(3)** Pull out the roll media gently and then stop pulling when locked lightly.

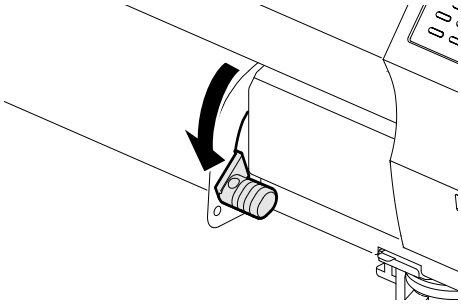




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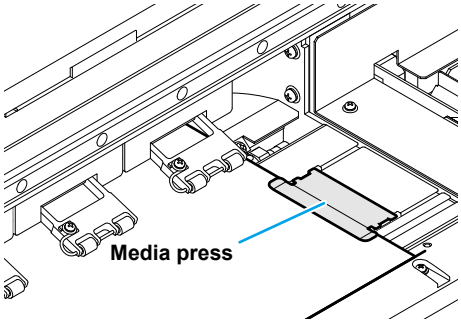
## 11 Make the roll media even then lower the clamp lever.

- Pulling several positions of the media lightly, Lower the clamp lever after confirming that the amount of the roll media pulled out is almost even.



## 12 Hold the media with the media press gently.

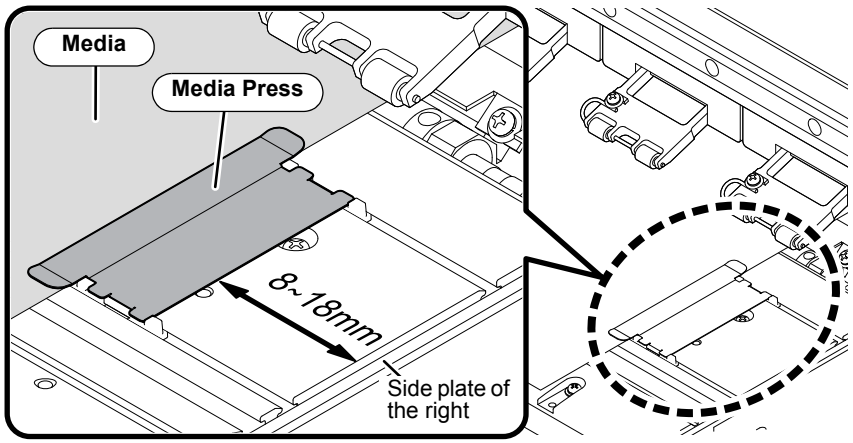
- Set the media so that no media sticks out from the right end pinch roller to the right side.
- When using a thick media, remove the media press from the media before printing.




**Caution**

- Do not set media at the position which the media press touches the side plate on the right. As media may tilt and be lifted, it could break the head.
- If a media is misaligned to the right more than fixed position, a warning is displayed. Set the media again.

```
***** ERROR 50 *****
MEDIA SET POSITION
```

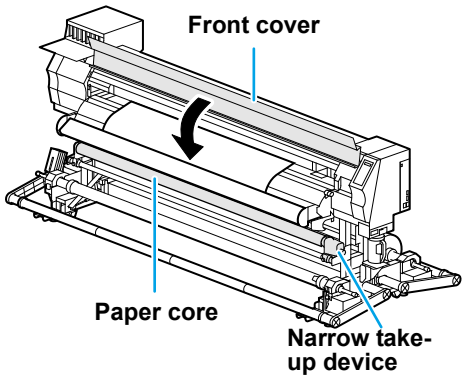



**Media press position : 8 to 18 mm from the side plate on the right.**
(For the variation of the inside diameter of media roll, it ranges as above.)


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## 13 Prepare for the narrow take-up device.

**(1)** Set an empty core of the roll media on the take-up device.
**(2)** Close the front cover.




- Use the narrow take-up device to set the media with less than 1.6m wide.
- When setting a long paper core, the supporter of the roll holder may be stuck in the center of the guide rail.
  In this case, follow the procedures below.
  **(1)** Loosen the fixing screw of the supporter, and push the arm down.
  **(2)** Slide the roll holder.
  **(3)** Raise the arm, and tighten the fixing screw of the supporter.

## 14 Press the ◀ key to select "ROLL" .

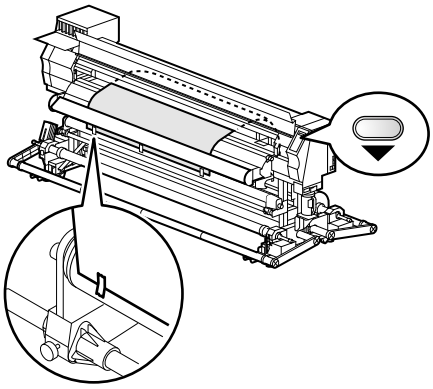
```
MEDIA SELECT
ROLL<          >LEAF
```

- Detects the media width.
- When [MEDIA RESIDUAL] of the maintenance function is "ON" (☞ P.5-25), the screen for entering media remaining amount is displayed after detecting the media width.(☞ P.2-24)

## 15 Fix the media on the narrow take-up device. (☞ P.2-25)

**(1)** Feed the media up to the core of the roll media of the take-up device by pressing the ▼ key.
- Check the media end is not caught into the slot on the post-heater, and then feed the media.

**(2)** Fix the middle of the media with adhesive tape.
**(3)** In the same manner, fix the left side and right side of the media.
- Make sure that the there is no slack or wrinkle on the media in such condition that the roll media is pulled to right and left evenly, and then stick the tape.



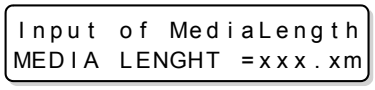


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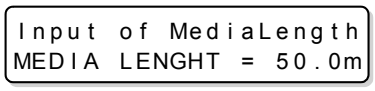
## Entering the media remaining amount

When [MEDIA RESIDUAL] of the maintenance function is "ON" (☞ P.5-25), the screen for entering media remaining amount is displayed after detecting the media width.

**1** **Display the screen for entering media remaining amount.**




**2** **Press ▲ and ▼ key to enter the media remaining amount.**



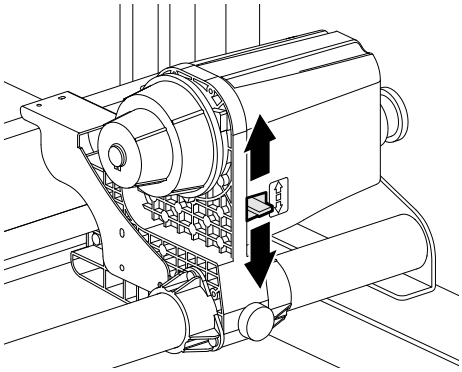

**3** **Press the ENTER key.**


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## Narrow take-up device

With the switch of the narrow take-up device, select the take-up direction of the media or others.

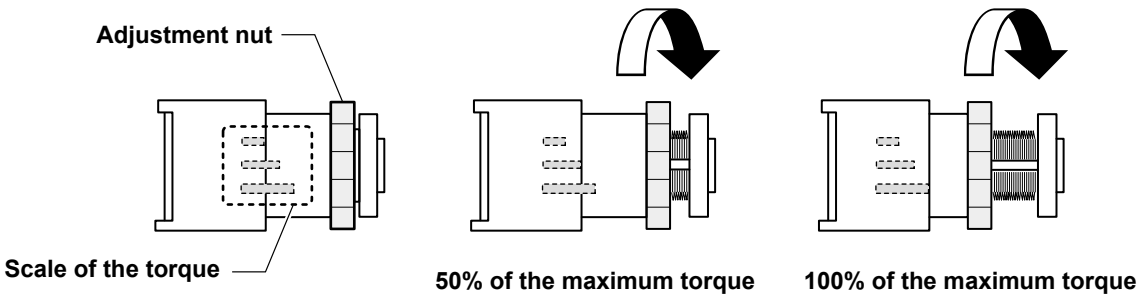
Lever in top position (REVERSE) :
The take-up device winds the media with the printed side facing in.
Lever in middle position (OFF) :
The take-up device does not wind the media.
Lever in bottom position (FORWARD) :
The take-up device winds the media with the printed side facing out.



### Setting the torque limiter

The take-up device is provided with a torque limiter.
The take-up torque can be adjusted with the torque limiter.
(The torque limiter is set at the maximum value when shipped from the factory.)
If the tension is too strong to use a thin sheet of media, lower the take-up torque with the torque limiter.

- Clockwise turn :
  Increases torque (a heavy and thicker media such as tarpaulin or the like)
- Counterclockwise turn :
  Decreases torque (For light media)




Important!

- **When the torque limiter is adjusted too weak ;**
  The media can not be taken up firmly.
- **When the torque limiter is adjusted too strong ;**
  The slack may occur depending on the media and cause influence on the image quality.

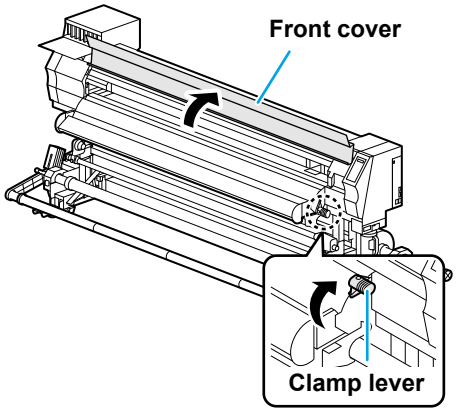


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## Setting leaf media

Unlike roll media, leaf media does not need to be retained with the roll holders.

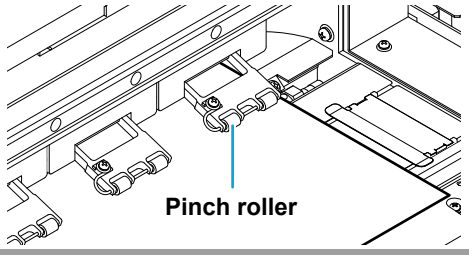
**1** **Open the front cover.**




**2** **Raise the clamp lever.**

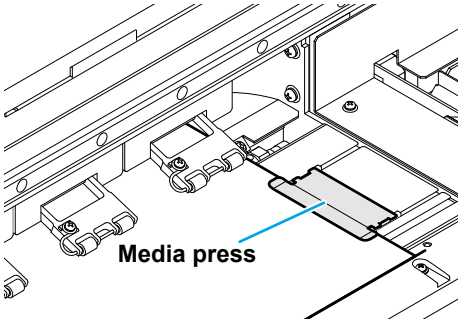
**3** **Insert the leaf media between the platen and the pinch rollers.**

- Set the media so that no media sticks out from the right end pinch roller to the right side.
- Set the media so that the media end does not reach the slot of the post-heater.



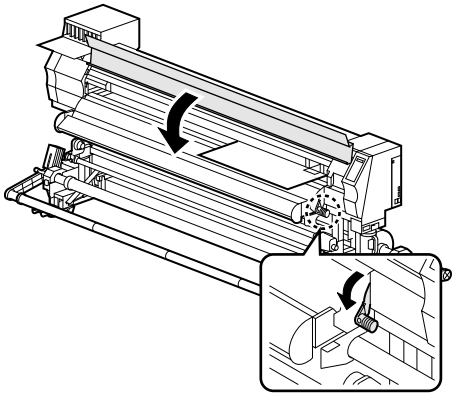

**4** **Hold the media with the media press gently.**

- Set the media so that no media sticks out from the right end pinch roller to the right side.
- When using a thick media, remove the media press from the media before printing.




**5** **Push down the clamp lever.**

- Set the media straight.



**6** **Close the front cover.**

**7** **Press the ENTER key.**

**8** **Press the ▶ key to select "LEAF" .**





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**9** **The media detection is started.**

**(1)** The media width is detected.
**(2)** The media is fed then the rear end of media is detected.
**(3)** It returns to the local mode when the detection is completed.

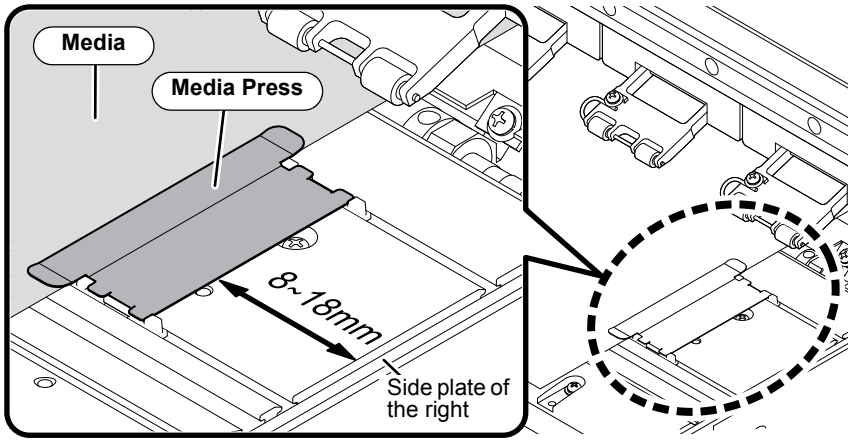
```
DETECTING MEDIA NOW
PLEASE WAIT
```

## Notes when using media press

Caution

- Do not set media at the position which the media press touches the side plate on the right. As media may tilt and be lifted, it could break the head.
- If a media is misaligned to the right more than fixed position, a warning is displayed. Set the media again.

```
***** ERROR 50 *****
MEDIA SET POSITION
```




**Media press position : 8 to 18 mm from the side plate on the right.**
(For the variation of the inside diameter of media roll, it ranges as above.)



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# Changing the printing origin

The position of the printing origin can be changed.
Moving the LED pointer to the changing position and deciding the position.

- The origin position set above misaligns with the feeding direction of a media by a few centimeters. Turn [FEED ORIGIN] “ON” in setup mode to fit the origin to the correct light position of LED pointer. (☞ P.3-3)

## When the heavy-duty feeding / take-up device is not used

**1** **In Local, Press ▲ ▼ ◀ ▶.**

- It enters into the origin setting mode.

```
ORIGIN SETUP
0.0      ----
```

**2** **Set a light point of the LED pointer to the changing position by pressing ▲ ▼ ◀ ▶.**

- Select the carriage and media, moving the point with ▲ ▼ ◀ ▶.

```
ORIGIN SETUP
0.0      0.0
```

Origin (Length) — Origin (Width)

**3** **After determining the origin, press the ENTER key.**

- The printing origin is changed.

```
ORIGIN SETUP
** ORIGIN **
```

## When the heavy-duty feeding / take-up device is used

**1** **In Local, Press ◀ ▶.**

- It enters into the origin setting mode.

```
ORIGIN SETUP
0.0      ----
```

**2** **Press ▲ ▼ to determine the moving direction of the origin.**

- To move to the front of the current origin : Press ▲.
  To move to the back of the current origin : Press ▼.

Move the origin to the front

```
FEED DIRECTION SET
[FORE FEED]
```

Move the origin to the back

```
FEED DIRECTION SET
[BACK FEED]
```

**3** **Press ▲ ▼ again to determine the origin of the feeding direction.**

- Press same ▲ ▼ as the keys determined on Step 2. If different key is pressed, only the moving direction of the origin changes without changing the origin.

Move the origin to the front

```
ORIGIN SETup:FORE
0.0      ----
```

Move the origin to the back

```
ORIGIN SETup:BACK
0.0      ----
```


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**4** **Press ◀ ▶ to determine the origin of the width direction.**

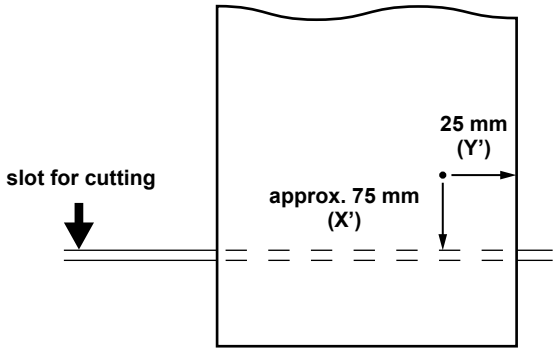
**5** **After determining the origin, press the ENTER key.**

- The origin is changed.

```
ORIGIN SETUP
** ORIGIN **
```

## Typical setting position of printing origin

The printing origin in the depth direction (X') is positioned at about 75 mm rearward from the slot for cutting on the platen. The printing origin in the scanning direction (Y') is positioned at 25 mm from the right end of the media. The value in the scanning direction (Y') can be changed using [MARGIN] in FUNCTION mode. (☞ P.3-3) This can be changed by using the Jog key.






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## Changing the Temperature Settings for the Heaters

You can change/save the temperature settings for the heaters with “Heater” of the setting mode. (☞ P.3-8)
Here, changing method of the temperature set in the setting mode is explained.
Set the heater temperature according to the characteristics of the media you use.

- The temperature of the heaters has been set to "OFF" as default.
- Appropriate temperature adjustment can be made because the temperature can be adjusted even during printing.
- It may take several minutes to tens of minutes for the set temperature to be reached, depending on the ambient temperature.

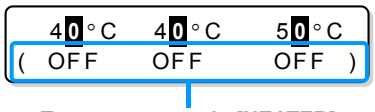
- The optimal values of the heater setting differ depending on the ink type to be used. For details, refer to P.7-4 “Rough standard of heater temperature setting value”.

**1** **Press the HEATER key.**




**Heater temperature confirming display**

**2** **Press the HEATER key.**

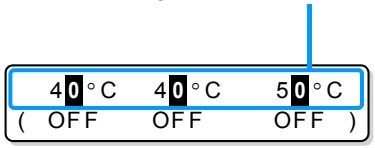



**Temperature set in [HEATER] of the type registration**

**3** **Press ▲ ▼ ◀ ▶ to set the temperature of each heater.**

Heater selecting: Select with ◀ ▶
Temperature setting: Set with ▼ ▼

**The set temperature: 20 to 50°C**




- The heater starts to get hot.(The [HEAT] lamp lights in orange.)

**4** **The heating of the heater stops.**

- When the heater temperature reaches the set temperature, the [HEAT] lamp goes off and the [CONSTANT] lamp lights in green.

**5** **Press the ENTER key to stop heating.**

- The screen returns to LOCAL.

- The Heater temperature is registrable beforehand according to the media to be used. ☞ P.3-2 “Registering All Printing Conditions Together (Type Registration)”
- The temperature set by the operations above does not reflect the Heater set temperature of the type registration. The set continues until the power is turned off or the temperature is newly set according to the following conditions.
  **(1)** Change the type of the setup mode.
  **(2)** Change the Heater temperature of the setup mode.
  **(3)** Designate the Heater temperature from the PC.
- The Heater temperature is controllable at the RIP side if the RIP in use has a function controllable. (For the setting procedures, refer to the instruction manual of the RIP in use.)

Important!

- Use this machine under 20 to 35°C. The temperature may not reach the set value due to the environmental temperature condition.


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## Checking the Heater Temperature

**1** **Press the HEATER key.**

• The current heater temperature is displayed.




**2** **Press the END key at the end of confirmation.**

• The screen returns to LOCAL.

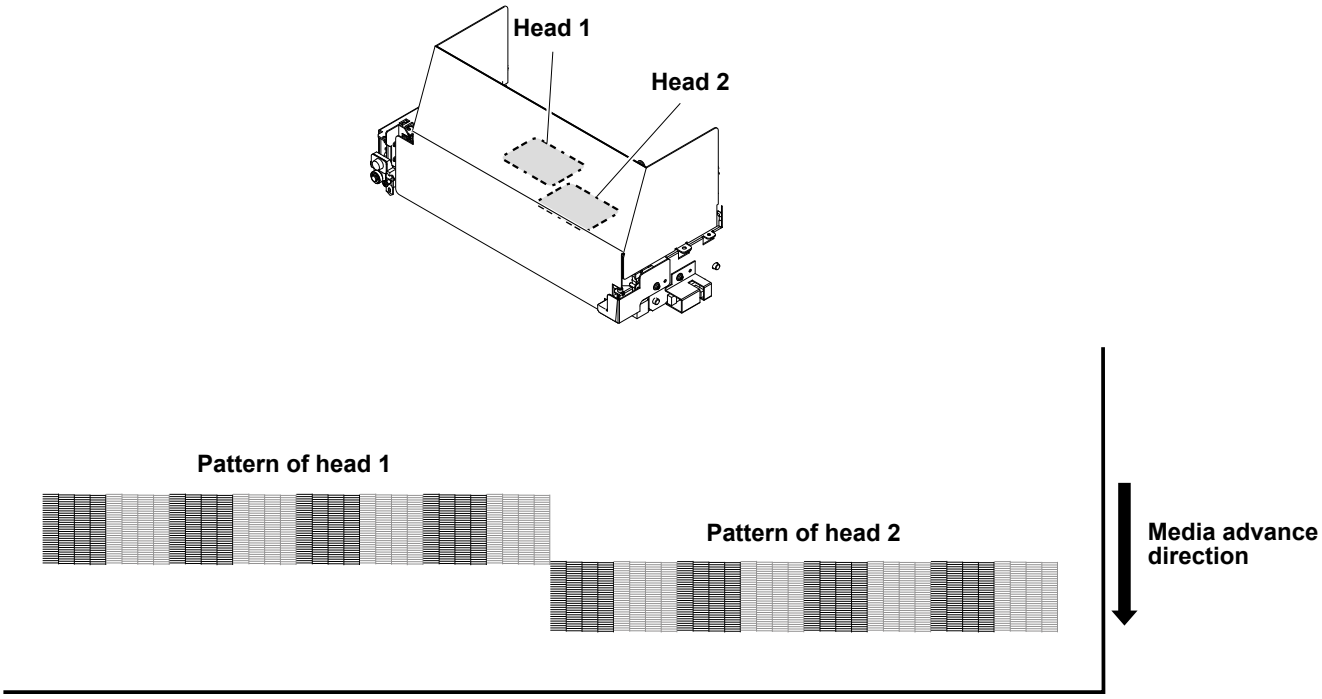


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Print a test pattern to check that there are no discharging defects such as nozzle clogging (slight touching of ink or nozzle missing).

## Relationship between head row and test pattern

The relations between head row and test pattern print position are as follow.




## Note on test printing

Important!

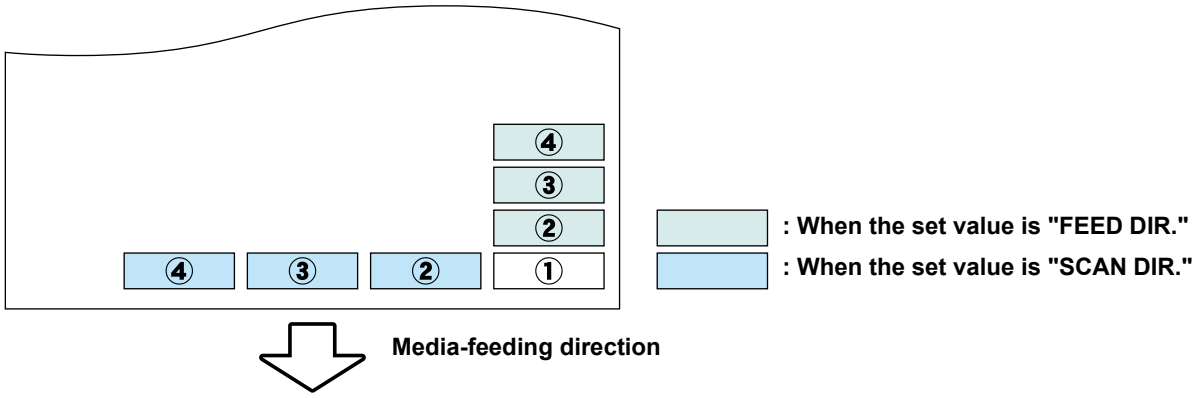
- When using a leaf medium, set one that is larger than an A4-size medium in the longitudinal direction.
- When using a roll medium, rewind the medium by hand before printing so that it is not loose. When the roll medium has not been rewound tightly, it may cause image quality to deteriorate.


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# Test Printing

Print a test pattern to check that there are no discharging defects such as nozzle clogging (slight touching of ink or nozzle missing).

In addition, you can select the orientation of the test pattern to print from two types in order to perform test printing repeatedly. Select one depending on your use.




| Check before test printing. | • If a media has been set ☞ P.2-6 | • If the origin position has been set |
|---|---|---|
| | • If the head gap has been adjusted ☞ P.2-6 | |

## 1 Press the TEST PRINT key in LOCAL.

```
TEST PRINT
(FEED DIR.)      <ENT>
```

- Press ▲ ▼ to change the test pattern orientation.The orientation selected here will be reflected on when you will print next time.
- When performing test printing after having changed the orientation from "SCAN DIR." to "FEED DIR.", the line is fed to the position of the first test printing.

## 2 Press the ENTER key.

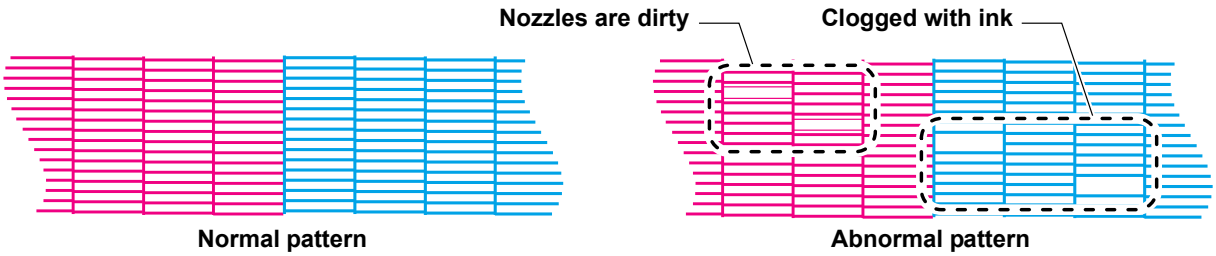
```
** TEST PRINT **
```

- Test printing starts.
- When the printing has been completed, the screen returns to LOCAL.

```
<LOCAL.1>        [#01]
          WIDTH:****mm
```

## 3 Check the printed test pattern.

- When the result is normal, end the operation.
- When the result is abnormal, perform head cleaning.（☞ P.2-34）






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## About head cleaning

Check the printed test pattern result and perform cleaning depending on the status.
Select one from the three types below:

**NORMAL** : When any line is missing
**SOFT** : When only head wiping is needed (when lines are bent)
**HARD** : When poor image quality cannot be improved even by NORMAL or SOFT cleaning

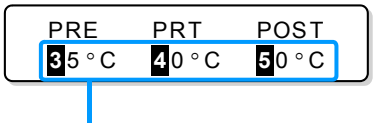
## Perform head cleaning depending on the test printing result

There are three types of head cleaning. Use one by checking the test pattern.

**1** **In Local, Press the key.**

**7** **Press ▲ ▼ ◀ ▶ to set the temperature of each heater.**

Heater selecting : by the ◀ ▶ keys
Temperature setting : by the ▲ ▼ keys




**Set temperature** : OFF, 20 ~ 50°C

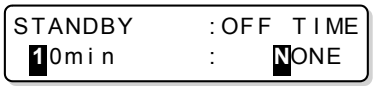
**8** **Press the ENTER key.**




**9** **Press the ▼ key to select "SET TIME".**

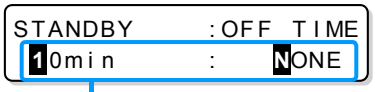



**10** **Press the ENTER key.**




**11** **Press ▲ ▼ ◀ ▶ to set time.**

Item selecting : by the ◀ ▶ keys
Time setting : by the ▲ ▼ keys




**Set value : NONE ,**
**0 to 90min (10min unit)**

**12** **Press the ENTER key.**

**13** **Press the END key several times to end the setting.**

• The screen returns to LOCAL.

Important!

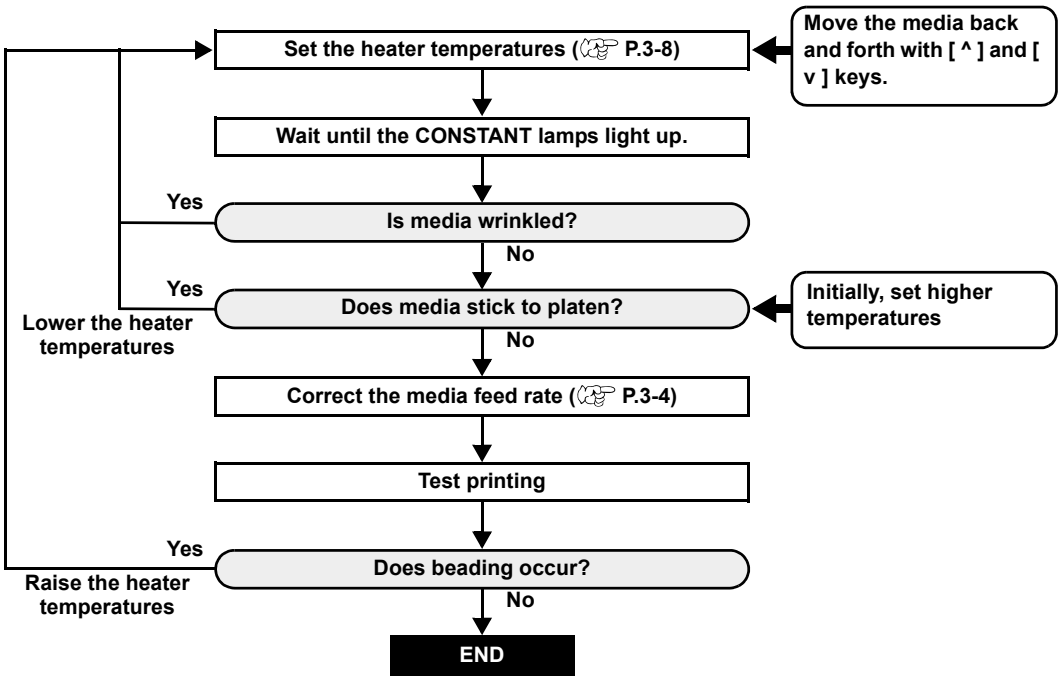
• Use this machine at a temperature between 20 to 35°C.The temperature may not reach the set value, depending on the ambient temperature conditions.



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## Adjusting suitable temperature adjustment (When solvent ink is used)

This section describes the procedure for setting the heater temperatures properly.
The proper heater temperatures depend on the media type and ambient temperature. Set temperatures that are appropriate to the media. For non-coated media or media on which ink is slow to dry, set the heater temperatures so that the ink fixing and drying characteristics will be improved.

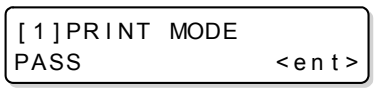




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## Setting a Scanning Direction

**1** **Perform the operations in P.3-12 Steps 1 to 5.**




**2** **Press ▲ ▼ to select [SCAN DIRECTION].**




**3** **Press the ENTER key.**




**4** **Press ▲ ▼ to select a scanning direction.**

- **Set value** : HOST / Uni-D / Bi-D




**5** **Press the ENTER key.**



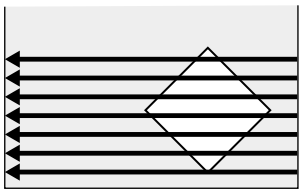

**6** **Press the END key several times to end the setting.**


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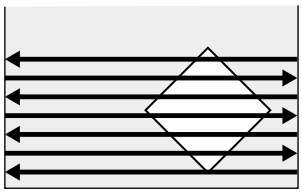
## Setting Logical Seek

The motion of Head varies depending on the set of Logical-seek.

UNI-DIRECTIONAL

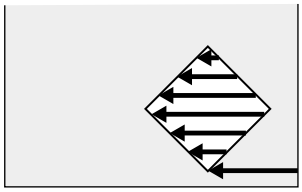


BI-DIRECTIONAL

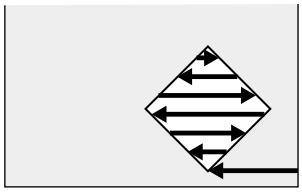


**Movement of heads when LOGICAL seek is OFF**

UNI-DIRECTIONAL



BI-DIRECTIONAL



**Movement of heads when LOGICAL seek is ON**

**1** **Perform the operations in P.3-12 Steps 1 to 5.**

```
[1]PRINT MODE
PASS              <ent>
```

**2** **Press ▲ ▼ to select [LOGICAL SEEK].**

```
[1]PRINT MODE
LOGICAL SEEK      <ent>
```

**3** **Press the ENTER key.**

```
[1]PRINT MODE
LOGICAL SEEK     :HOST
```

**4** **Press ▲ ▼ to select a set value.**

- **Set value** : HOST / ON / OFF

```
[1]PRINT MODE
LOGICAL SEEK     :ON
```

**5** **Press the key.**

**6** **Press the key several times to end the setting.**

# Setting Drying Time

In the drying time setting, the following items for ink drying time are set.

- SCAN : Ink drying time for each scanning is set. (During bidirectional printing, the machine stops for a certain period of time specified for each of the outward and return scanning.)
- PRINT END : Ink drying time after printing has been complete is set.

**1** **Press the key in LOCAL.**

**2** **Press the key.**

**3** **Press to select one of the types (1 to 4) and press the key.**

**4** **Press to select [DRYING TIME].**

**5** **Press the key.**

# Maintaining the Capping Station

Maintain the ink cap, wiper, etc. located in the capping station. (ST.MAINTENANCE)

The ink cap and wiper function as follows.

- **Wiper** : It wipes off ink sticking to the head nozzles.
- **Ink cap** : It prevents the head nozzles from clogging due to dryness.

As the machine is used repeatedly, the wiper and ink cap gradually become dirty with ink, dust, etc.
If nozzle missing cannot be corrected even after head cleaning (☞ P.2-34) has been performed, use a cleaning kit and clean stick.

| | | | |
|---|---|---|---|
| **Tools required for Maintenance** | • Cleaning solution<br>**When solvent ink is used:**Cleaning solution MS2/ES3/HS kit (SPC-0369)<br>**When aqueous ink is used :**Cleaning Liquid Bottle Kit A29 (SPC-0137) | | |
| | • Clean stick (SPC-0527) | • Gloves | • Goggles |

Caution

- Be sure to wear the supplied goggles and gloves when maintaining the capping station.Otherwise, you may get ink in your eyes.
- Do not move the carriage out of the capping station by hand.When it is desirable to move the carriage, press the ST.MAINTE key to execute the carriage-out. (☞ P.5-5Steps 1 to 2)

## Cleaning the Wiper and Cap

It is recommended that the wiper and cap be cleaned frequently in order to maintain the high image quality of the machine and keep the machine itself in good working order.

Important!

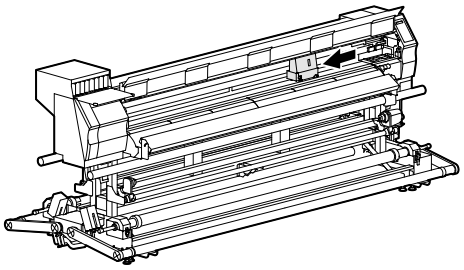
- When SS21 ink is used, the ink sticks around the wiper easily. Clean the wiper and the area around it about twice a week (it varies, depending on frequency in the use of the machine).
- Replace the wiper with a new one when it is extremely dirty or bent.(☞ P.5-7)
- When cleaning the wiper, be careful that lint from the clean stick does not get left on the wiper.Remaining lint may cause image quality to deteriorate.

**1** **Press the ST.MAINTE key in LOCAL.**



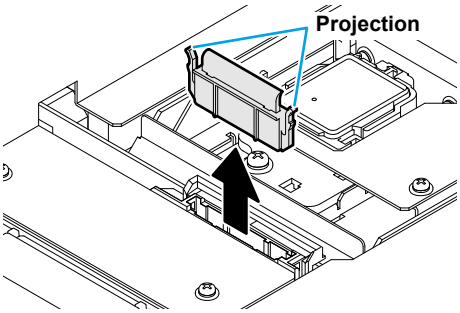

**2** **Press the ENTER key.**

- The carriage moves onto the platen.



**3** **Open the front cover then remove the wiper.**

- Pull out the wiper by holding the protrusions at its both ends.

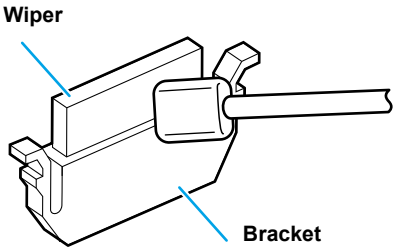





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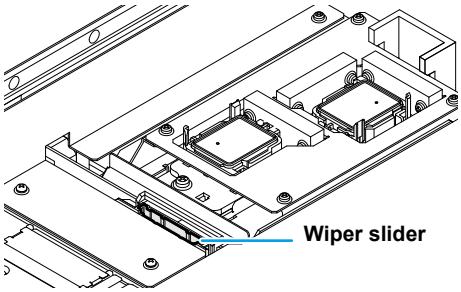
## 4 Clean the wiper and bracket.

• Wipe off the ink sticking to the wiper and bracket with a clean stick dipped in cleaning solution for maintenance.



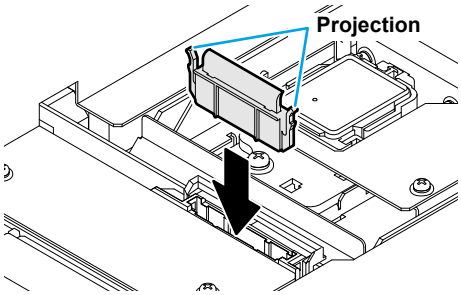

## 5 Clean the wiper slider.

• Wipe off the ink sticking to the wiper slider with a clean stick dipped in cleaning solution for maintenance.



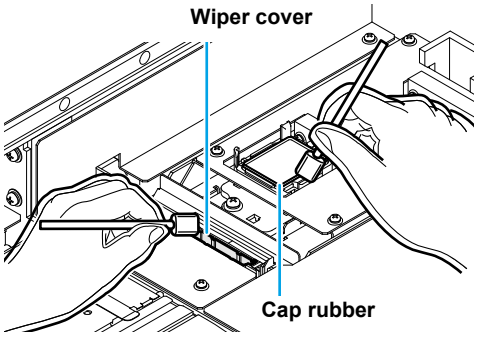

## 6 Set the wiper at the original position.

• Insert the wiper by holding both ends of the wiper.



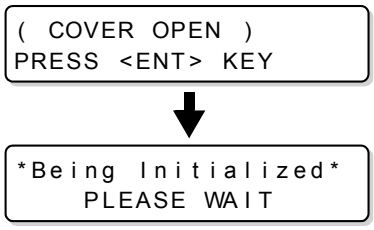

## 7 Clean the cap rubber and wiper cover.

• Wipe off the ink sticking to the cap rubber and wiper cover with a clean stick dipped in cleaning solution for maintenance.




## 8 Close the front cover then press the ENTER key.

• After its initial operation, the machine returns to LOCAL.




## Performing the station maintenance without ST.MAINTE key

You can select station maintenance by using the FUNCTION key in the Local without pressing the ST.MAINTE key.

**Press the FUNCTION key in Local.** → **Press ▲ ▼ to select [MAINTENANCE].** → **Press the ENTER key twice.**
• It becomes the same condition as the ST.MAINTE key is pressed from Local.


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## Replacing the wiper

The wiper is consumable.When the display indicates that it is necessary to replace the wiper, immediately replace the wiper with a new one.
Also, wipe ink sticking to the lower surface of the slider off.

<LOCAL.1> [#01]
!Replace a WIPER

Important!
- A cleaning wiper is an option.Buy one through the dealer in your region or at our service office.
- Do not select [WIPER REPLACE] at any time other than when the wiper is replaced.Once it is selected, the counter that counts the number of times the wiper is used is reset.

**1** **Press the ST.MAINTE key in LOCAL.**

ST.MAINTENANCE
CARRIAGE OUT <ent>

**2** **Press ▲ ▼ to select [WIPER REPLACE].**

ST.MAINTENANCE
WIPER EXCHANGE <ent>

**3** **Press the ENTER key.**

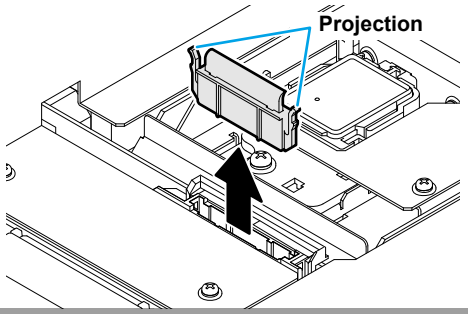
- The carriage moves onto the platen.

ST.MAINTENANCE
COMPLETED :ent

Important!
- Until the replacement work is completed, [COMPLETED: ent] is displayed on the screen. After the work up to the Step 5 is completed and you close the front cover, press the ENTER key. If you press the ENTER key before the replacement work is completed, the carriage returns to the original position.

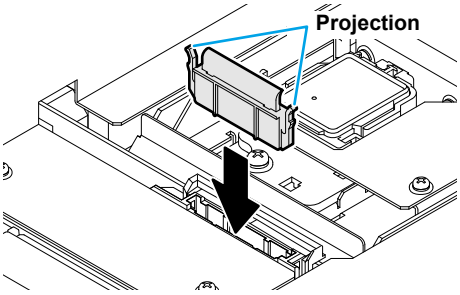
**4** **Open the front cover then remove the wiper.**

- Pull out the wiper by holding the protrusions at its both ends.




**5** **Insert a new wiper.**

- Insert a new wiper by holding its both ends.




**6** **Close the front cover then press the ENTER key.**

- After its initial operation, the machine returns to LOCAL.

( COVER OPEN )
PRESS <ENT> KEY

*Being Initialized*
PLEASE WAIT



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## Washing of Head nozzle

Perform cleaning of the nozzles in the heads to prevent them being clogged with coagulated ink.

| | |
|---|---|
| **Check the items on the right beforehand.** | **Is [NEAR END] or [INK END] displayed?**<br>• The cleaning solution or ink is absorbed when the nozzles are washed. At this time, if the state of "no ink" or "almost no ink" is detected, the nozzle washing operation cannot start.<br>• Replace the cartridge with another from which the state of "almost no ink" or "no ink" is not detected. |

**1** **Press the ST.MAINTE key in LOCAL.**

```
ST.MAINTENANCE
CARRIAGE OUT    <ent>
```

**2** **Press ▲ ▼ to select [NOZZLE WASH].**

```
ST.MAINTENANCE
NOZZLE WASH     <ent>
```

**3** **Press the ENTER key.**

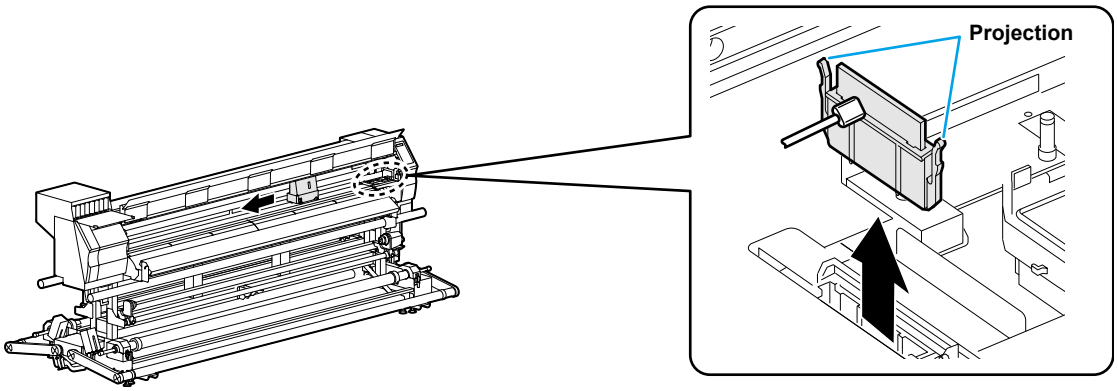
• The carriage moves onto the platen.

```
WIPER CLEANING
COMPLETED(NEXT) :ent
```

Important! • Until wiper cleaning is competed, [COMPLETED (NEXT): ent] is displayed on the screen. After the work up to the step 4 is completed, press the ENTER key. If you press the ENTER key before cleaning is completed, the machine moves to the next washing procedure.

**4** **Clean the wiper and the bracket.**

**(1)** Open the front cover then pull out it by holding projections at both ends of the wiper.
**(2)** Clean the wiper and bracket with a clean stick dipped in cleaning solution for maintenance. (Sublimation dye ink: SPC-0137, Solvent ink: SPC-0369)
**(3)** Insert it in the original position by holding the projections at both ends of the wiper.




**5** **Press the ENTER key.**

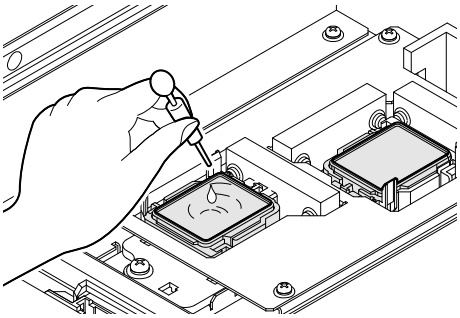
```
Fill the liquid
COMPLETED(NEXT) :ent
```

Important! • Until washing liquid is filled, [COMPLETED (NEXT): ent] is displayed on the screen. After the work up to the Step 6 is completed and you close the front cover, press the ENTER key. If you press the ENTER key before washing liquid is filled, the carriage returns to the original position.


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## 6 Fill up the cap with cleaning solution for maintenance, using a dropper.

- Fill up the cap with cleaning solution on the verge of overflow from the cap.



## 7 Close the front cover then press the ENTER key.



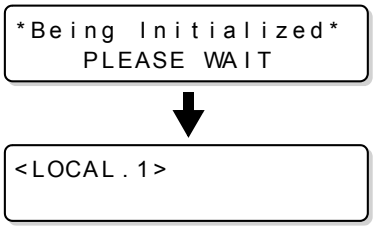

## 8 Press ▲ ▼ to set the time for the cleaning solution to be left as it is.

- **Set value** : 1 to 99 minutes (Unit: minute)




## 9 Press the ENTER key.

- The cleaning solution filled in the cap is absorbed.
- The screen on the right is displayed only for the duration set in the step 8.
- It returns to the Local after the duration.




Important!

- When nozzle missing is not cleared even after this washing is carried out several times, execute “When Nozzle Clogging Cannot Be Solved” (☞ P.5-16) and “DISCHARGE & WASH” (☞ P.5-17). When the problem is not solved even after the operation above, contact the distributor in your region or our service office.
- When this machine is not filled with cleaning solution for maintenance, do the following:
  **(1)** Perform the operations in Steps 1 to 5.
  **(2)** Fill up the cap with cleaning solution for maintenance, using a syringe.
  **(3)** Perform the operations in Step 7 and later.



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# Washing the Ink Discharge Passage (PUMP Tube Washing)

Wash the ink discharge passage regularly to prevent the head nozzles from clogging due to ink coagulation inside the passage.

- When the following messages are indicated, check the waste ink tank, and then operate it, referring to P.5-27 “If a Waste Ink Tank Confirmation Message Appears” according to the situation.

| | |
|---|---|
| Confirm a waste tank<br>Continue< >Exchange | Confirm a waste tank<br>Exchange :ent |

**1** **Press the ST.MAINTE key in LOCAL.**

| |
|---|
| ST.MAINTENANCE<br>CARRIAGE OUT <ent> |

**2** **Press ▲ ▼ to select [PUMP TUBE WASH].**

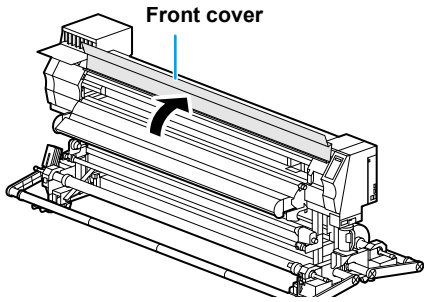
| |
|---|
| ST.MAINTENANCE<br>PUMP TUBE WASH <ent> |

**3** **Press the ENTER key.**

- The carriage moves onto the platen.
- Dry suction operation is performed repeatedly until the washing work is completed.

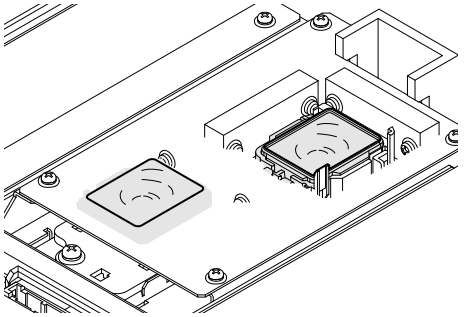
| |
|---|
| ST.MAINTENANCE<br>COMPLETED :ent |

**4** **Open the front cover.**



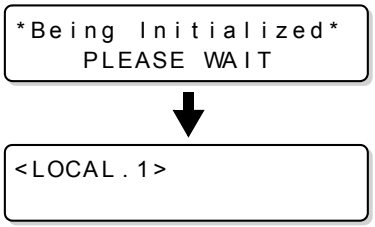

**5** **Press the key and stream maintenance washing liquid.**

- When you press the key, maintenance washing liquid streams.
- When you press the key once, maintenance washing liquid streams, and it stops automatically in 3 sec.
- In addition, if you press the key again while maintenance washing liquid streams, washing liquid stops.
- While dry suction stops, press the key several times to stream washing liquid.



- You can stream maintenance washing liquid with a dropper.

**6** **Close the front cover and press the ENTER key.**




• After the idle absorbing operation has been performed for 30 seconds, the screen returns to LOCAL.

Important!

• Perform the followings unless the cleaning solution has been filled in the machine.
**(1)** Perform the operations until the step 4.
**(2)** Fill the cap with the cleaning solution by using a syringe.
**(3)** Perform the operations from the step 6.



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# When the Machine Is Not Used for a Long Time (CUSTODY WASH)

When the machine is not going to be used for a week or more, use the cleaning function for custody to clean the head nozzles and ink discharge passage.After this, keep the machine in custody.

| | |
|---|---|
| **Check the items on the right beforehand.** | **Is [NEAR END] or [INK END] displayed?**<br>• The cleaning solution or ink is absorbed when the nozzles are washed. At this time, if the state of "no ink" or "almost no ink" is detected, the nozzle washing operation cannot start.<br>• Replace the cartridge with another from which the state of "almost no ink" or "no ink" is not detected. |

• When the following messages are indicated, check the waste ink tank, and then operate it, referring to P.5-27 “If a Waste Ink Tank Confirmation Message Appears” according to the situation.

| | |
|---|---|
| Confirm a waste tank<br>Continue< >Exchange | Confirm a waste tank<br>Exchange :ent |

## 1 Press the ST.MAINTE key in LOCAL.

ST.MAINTENANCE
CARRIAGE OUT <ent>

## 2 Press ▲ ▼ to select [CUSTODY WASH].

ST.MAINTENANCE
CUSTODY WASH <ent>

## 3 Press the ENTER key.

• The carriage moves onto the platen.

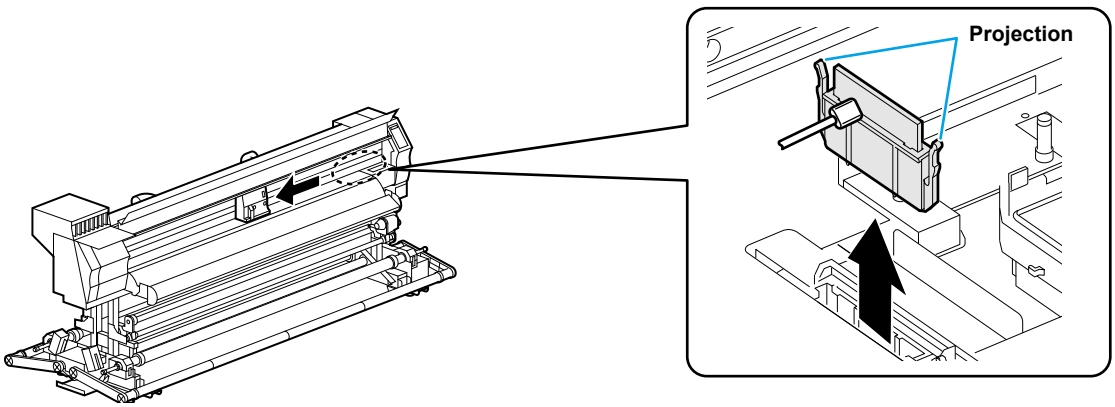
WIPER CLEANING
COMPLETED(NEXT) :ent

Important!

• Until wiper/ bracket cleaning is competed, [COMPLETED (NEXT): ent] is displayed on the screen. After the work up to the step 4 is completed, press the ENTER key. If you press the ENTER key before cleaning is completed, the machine moves to the next washing procedure.

## 4 Clean the wiper and the bracket.

**(1)** Open the front cover then pull out it by holding projections at both ends of the wiper.
**(2)** Clean the wiper and bracket with a clean stick dipped in cleaning solution for maintenance. (Sublimation dye ink : SPC-0137, Solvent ink : SPC-0369)
**(3)** Insert it in the original position by holding the projections at both ends of the wiper.





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**5** **Press the ENTER key.**

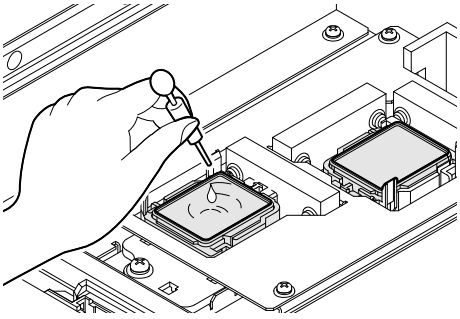
```
Fill the liquid
COMPLETED(NEXT) :ent
```

Important!

- Until washing liquid is filled, [COMPLETED (NEXT): ent] is displayed on the screen. After the work up to the Step 6 is completed and you close the front cover, press the ENTER key. If you press the ENTER key before washing liquid is filled, the carriage returns to the original position.

**6** **Fill up the cap with cleaning solution for maintenance, using a dropper.**

- Fill the cap with the cleaning solution just before the solution overflows from the cap.



**7** **Close the front cover and press the ENTER key.**

```
ST.MAINTENANCE
LEAVING TIME  : 1min
```

**8** **Press ▲ ▼ to set the time for the cleaning solution to be left as it is.**

- Set Value:1 to 99 min (by the unit of 1 min)

```
ST.MAINTENANCE
LEAVING TIME  : 2min
```

**9** **Press the ENTER key.**

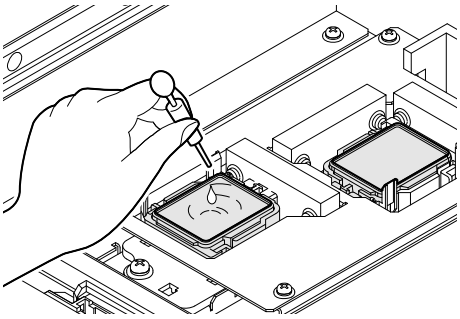
- The nozzles are washed.
- When the nozzles have been completely washed, the head moves onto the platen.

```
*Being Initialized*
   PLEASE WAIT
```

**10** **Open the front cover.**

**11** **Fill up the cap with cleaning solution for maintenance, using a syringe.**

- Fill the cap with the cleaning solution just before the solution overflows from the cap.



**12** **Close the front cover and press the ENTER key.**

- After its initial operation, the machine returns to LOCAL.

```
*Being Initialized*
   PLEASE WAIT
```



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# Cleaning the Ink Head and the Area around It

Because the ink head employs a very precise mechanism, due care needs to be taken when it is cleaned. Using a clean stick, etc., rub off gelatinous ink or dust that may stick to the lower part of the slider and the area around the ink head.In doing so, never rub the nozzles of the head.

| Tools required for cleaning | • Clean stick (SPC-0527) | • Gloves | • Goggles |
|---|---|---|---|

Caution

- Be sure to wear the attached goggles and gloves when cleaning the area around the ink head.Otherwise, you may get ink in your eyes.
- The ink contains organic solvent.If you get the ink on your skin or in your eyes, wash it away with plenty of water immediately.

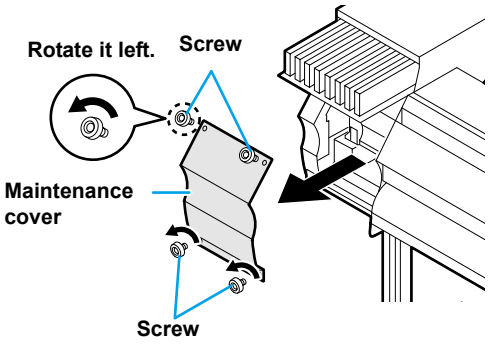
## 1 Select [CR.MAINTENANCE] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [ CR.MAINTENANCE ] and press the ENTER key.
**(4)** Press the ENTER key.
- Carriage will move to the left end of this device.

## 2 Open the maintenance cover.

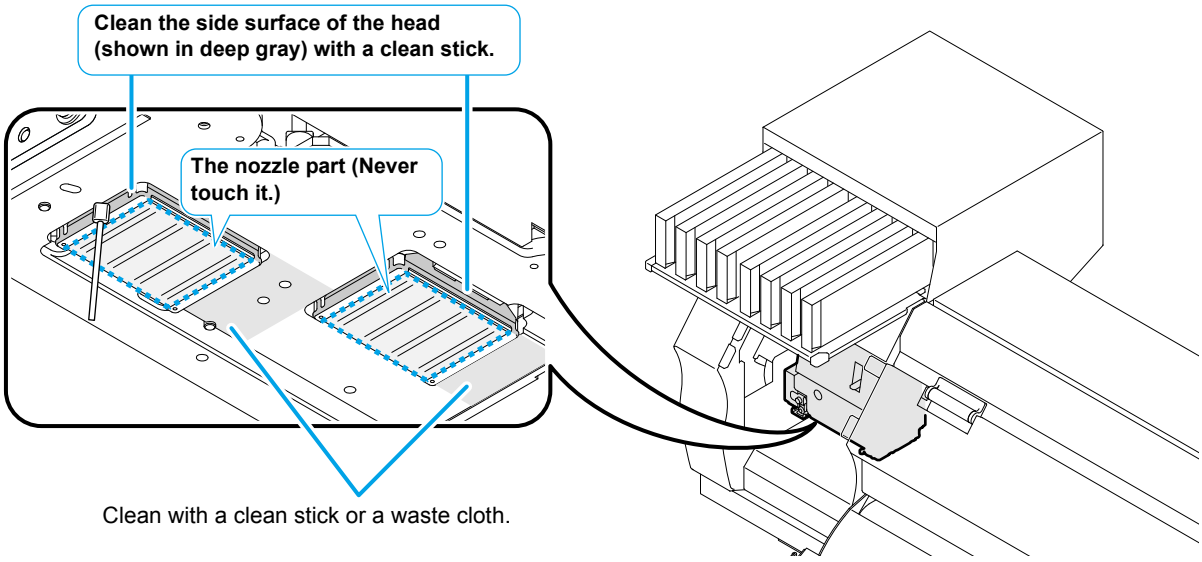
**(1)** Turn four screws that fix the maintenance cover to the left, and remove them.
**(2)** Remove the maintenance cover.

• If the maintenance cover is hard to remove, use the supplied screwdriver.




## 3 Wipe ink sticking to the side of the head off with a clean stick.

• Never rub the nozzles.

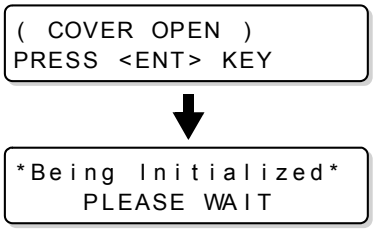



## 4 Press the ENTER key after the cleaning.

Close a cover


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**5** **Close the maintenance cover then press the ENTER key.**




- After its initial operation, the machine returns to LOCAL.

Important!

- When SS21 ink is used, the ink sticks around the head easily. Clean the area around the ink head about twice a week (it varies, depending on the frequency the machine is used).



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When nozzle clogging cannot be solved even after the ink head cleaning (☞ P.2-34) or head nozzle washing (☞ P.5-8) has been done, perform the following two functions:

| | |
|---|---|
| **FILL UP INK** | • Supplies ink to correct nozzle clogging. |
| **NOZZLE WASH** | • Wash the head nozzle. (☞ P.5-8) |

## FILL UP INK

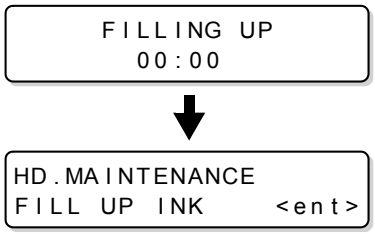
### 1 Select [HD.MAINTENANCE] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [HD. MAINTENANCE].
**(4)** Press the ENTER key.

### 2 Press the ENTER key.

• Ink is supplied automatically.

• When ink has been supplied completely, the screen returns to the shown on the right.




### 3 Press the END key several times to end the setting.

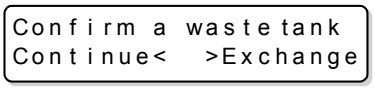

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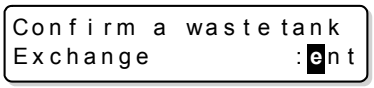
# DISCHARGE & WASH

Ink is discharged from the head, damper, and tube for them to be cleaned.

Important!

- To use this function, the dedicated cleaning solution (☞ P.5-2 “About Cleaning Solution”) is required. In addition, before performing the work, check whether ink to be filled again remains or not.
- When the following messages are indicated, check the waste ink tank, and then operate it, referring to P.5-27 “If a Waste Ink Tank Confirmation Message Appears” according to the situation.




## 1 Select [HD.MAINTENANCE] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [HD. MAINTENANCE].
**(4)** Press the ENTER key.

## 2 Press ▲ ▼ to select [DISCHARGE & WASH].

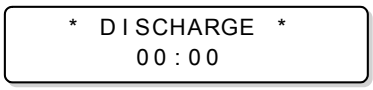



## 3 Press the ENTER key.




## 4 Remove the ink cartridge.

- Ink remaining in the head or tube is discharged into the waste ink tank.
- When the cleaning solution has been discharged completely, the screen on the right appears.




## 5 Set the cleaning solution cartridge to the ink station.

- The cleaning solution starts to be absorbed.
- When the cleaning solution has been absorbed completely, the screen on the right appears.

## 6 Remove the cleaning solution cartridge.

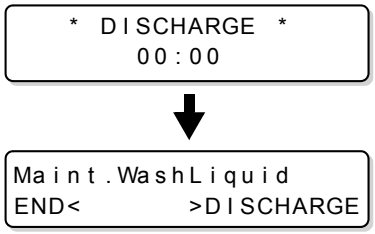
- The cleaning solution remaining in the head or tube is discharged into the waste ink tank.
- When the cleaning solution has been discharged completely, the screen on the right appears.

## 7 Set the cleaning solution cartridge to the ink station.

- The cleaning solution starts to be absorbed.
- When the cleaning solution has been absorbed completely, the screen on the right appears.

## 8 Remove the cleaning solution cartridge.

- The cleaning solution remaining in the head or tube is discharged into the waste ink tank.
- When the cleaning solution has been discharged completely, the screen on the right appears.




- Check the state of the waste ink tank and select whether to stop or resume cleaning.
- When you resume cleaning, press ▶ to return to Step 5.

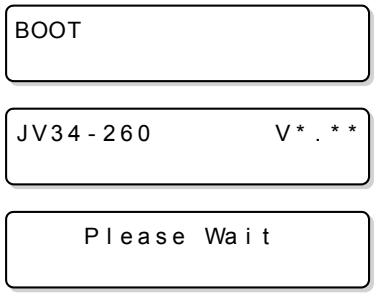
## 9 Press the ◀ key.

## 10 Press the END key several times to end the setting.

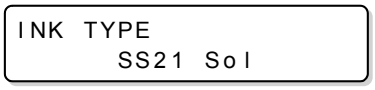
Important! • If an ink cartridge extended the expiry month (☞ P.3-40) is set, initial ink fill cannot be performed. Replace the ink cartridge with another one (neither extended nor expired) and perform the initial fill.

**1** **Turn the power of the machine on.**

• When the power is turned on, the firmware version is displayed following [BOOT].




**2** **Check the ink type to fill, and then press the ▲ ▼ key.**



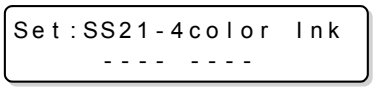

• To check the state of the cartridge, press the REMOTE key. (☞ P.6-5)

**3** **Check the ink set (the color) to fill, and then press the ▲ ▼ key.**

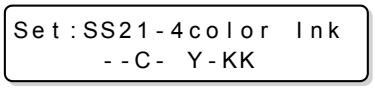
• You cannot change the current ink set to another by yourself.
• If you want to change the ink set, contact our service office.



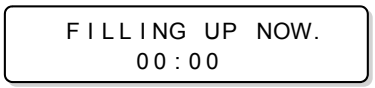

**4** **Press the ENTER key.**




**5** **Set an ink cartridge to the ink station.**

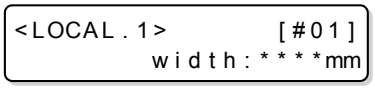



• When an ink cartridge has been set, the machine is supplied with ink automatically.
• The ink station has an insertion slot allocated to each ink color.Set the ink cartridge according to the cartridge label under the ink station.




• The setting orders of ink cartridges differ depending on the ink set you use. For details, refer to P.7-4 “Setting orders of ink cartridges”.

**6** **When ink has been supplied to the machine completely, the screen returns to LOCAL.**




• If blurring or missing of characters is found in printing after the machine has been supplied with ink anew, see "Performing Head Cleaning" (☞ P.2-34) or "FILL UP INK" (☞ P.5-16).

## When the Machine Cannot Be Supplied with Ink in Step 5

When various ink errors including "Almost no ink" and "No ink" occur, ink does not start to be supplied to the machine.

**When ink does not start to be supplied to the machine in "Supplying the Machine with Ink Anew" Step 5:**

**(1)** Press the END key to return to the screen in Step 2.
**(2)** Press the REMOTE key to check the state of the ink cartridge.
**(3)** Correct ink errors (☞ P.6-5) and repeat the operations from Step 2.



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To use this machine comfortably, you can set various maintenances to be performed automatically.
Here, set performing intervals of various automatic maintenances.
You can prevent troubles such as ink clogging by performing automatic maintenance periodically (automatic maintenance function).
For the auto maintenance functions, the following items can be set:

Important!
- The maintenance intervals (default value) differ depending on the ink type you use. For details, refer to P.7-4 “Maintenance intervals of automatic maintenance function”.
- When you perform maintenance manually, after manual maintenance is completed and when time set with the automatic maintenance function has passed, maintenance starts automatically.

| Function name | Descriptions |
|---|---|
| REFRESH | The interval between each refreshing operation is set. |
| PUMP TUBE WASH | The interval between each PUMP tube washing operation is set. |
| CLEANING | The interval between each cleaning operation is set. |

Important!
- During the right message is displayed, the operation set in the auto maintenance function is not carried out. Perform the operations of P.5-28 if required.
- When the power switch on the front of the machine is turned off, check the waste ink tank.

<LOCAL.1> [#01]
!WASTE TANK

## Setting the Refreshing Intervals

The interval between each operation of ejecting a small amount of ink from the nozzles to prevent nozzle clogging is set.

**1** **Select [AUTO MAINT.] of the maintenance menu.**

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [AUTO MAINT.].

**2** **Press the ENTER key.**

AUTO MAINT.
REFRESH <ent>

**3** **Press the ENTER key.**

AUTO MAINT.
REFRESH interval= 1h

**4** **Press ▲ ▼ to set the refreshing interval.**

• Set value : OFF or 1 to 168 hours

AUTO MAINT.
REFRESH interval= 10h

**5** **Press the ENTER key.**

AUTO MAINT.
REFRESH <ent>

**6** **Press END the key several times to end the setting.**


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## Setting the Tube Washing Intervals

The interval between each operation of washing the cap and PUMP tube with cleaning solution for maintenance is set.

**1** **Select [AUTO MAINT.] of the maintenance menu.**

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [AUTO MAINT.].
**(4)** Press the ENTER key.

**2** **Press ▲ ▼ to select [PUMP TUBE WASH].**

```
AUTO MAINT.
PUMP TUBE WASH <ent>
```

**3** **Press the ENTER key.**

```
AUTO MAINT.
WASH INTERVAL = 1h
```

**4** **Press ▲ ▼ to set the interval between each PUMP tube washing operation.**

• Set value : OFF or 1 to 168 hours

```
AUTO MAINT.
WASH INTERVAL = 4h
```

**5** **Press the ENTER key.**

```
AUTO MAINT.
PUMP TUBE WASH <ent>
```

**6** **Press the END key several times to end the setting.**



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## Setting the Cleaning Intervals

This is a function operated instead of the PUMP tube washing when the cleaning solution for maintenance has been used up.
The cleaning type and the interval between each cleaning operation are set.

**1** **Select [AUTO MAINT.] of the maintenance menu.**

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [AUTO MAINT.].
**(4)** Press the ENTER key.

**2** **Press ▲ ▼ to select [CLEANING].**

```
AUTO MAINT.
CLEANING          <ent>
```

**3** **Press the ENTER key.**

```
AUTO MAINT.
CLEAN.INTERVAL =   1h
```

**4** **Press ▲ ▼ to set the interval between each cleaning operation.**

• Set value : OFF or 1 to 168 hours

```
AUTO MAINT.
CLEAN.INTERVAL =   4h
```

**5** **Press the ENTER key.**

• The cleaning type selection screen appears.

```
AUTO MAINT.
CLEAN.TYPE     :NORMAL
```

**6** **Press ▲ ▼ to select a cleaning type.**

• **Set value** : NORMAL, SOFT, HARD

```
AUTO MAINT.
CLEAN.TYPE     :SOFT
```

**7** **Press the ENTER key.**

```
AUTO MAINT.
CLEAN.INTERVAL =   4h
```

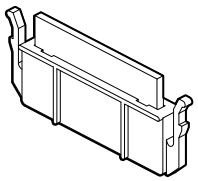
**8** **Press the END key several times to end the setting.**


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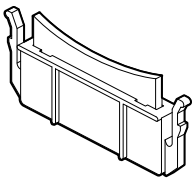
## Changing the Time When a Warning about Wiper Replacement Is Issued

The wiper is consumable.The head can easily become dirty in a dusty environment.
In addition, the head cannot be cleaned adequately with a bent or worn wiper used.Wiper levels can be set so that a warning about wiper replacement is issued earlier than the standard according to the operating environment.

**Normal wiper**



**Deformed wiper**



| | |
|---|---|
| 10/10 | Displays the wiper replacement warning when wiping has been performed the standard number of times. (Initial value) |
| 9/10 | Displays the wiper replacement warning when wiping has been performed nine tenths of the standard number of times. |
| 8/10 | Displays the wiper replacement warning when wiping has been performed eight tenths of the standard number of times. |
| ⋮ | |
| 1/10 | Displays the wiper replacement warning when wiping has been performed one tenth of the standard number of times. |

**1** **Select [WIPER LEVEL] of the maintenance menu.**

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [WIPER LEVEL].

**2** **Press the ENTER key.**

```
WIPER LEVEL
LEVEL          :10/10
```

**3** **Press ▲ ▼ to set a wiper level.**

• Set value : 1/10 to 10/10

```
WIPER LEVEL
LEVEL          : 9/10
```

**4** **Press the ENTER key.**

```
MAINTENANCE
WIPER LEVEL    <ent>
```

**5** **Press the END key several times to end the setting.**



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## Setting the Head Selection

You can select the head to use for printing.
When one head cannot be used because nozzle clogging has not been solved etc., you can set that the head with nozzle clogging will not be used.

Important!

- The scope of head selection is from printing (including test printing) to flushing. Filling function etc. targets all heads.
- When you print with only one head, the printing speed is dimidiated compared with when printing with two heads.

### 1 Select [HEAD SELECT] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [HEAD SELECT].

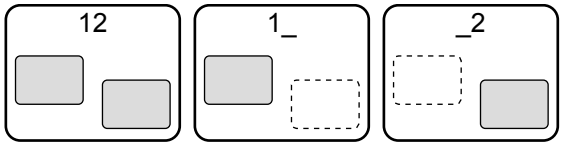
### 2 Press the ENTER key.




### 3 Press ▲ ▼ to select a head to use.




• Set Value : 12 (Use both heads.)
1_ (Use Head 1 only.)
_2 (Use Head 2 only.)




### 4 Press the ENTER key.




### 5 Press the END key several times to end the setting.


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# Setting the Display of Media Residual

Whether the screen displays the remaining amount of a media is set.

| | |
|---|---|
| **When the media remaining amount display is turned to "ON"** | the remaining amount of a media is displayed in Remote. (However, when a leaf media is used, the length of the media to be printed is displayed.) |
| **When the media remaining amount display is turned to "OFF"** | the remaining amount of a media is not displayed in the Remote. |

- The amount of a media that has been fed by the printing and jog keys is reflected in the remaining amount of a media.
- The length of a media (initial value of the remaining amount) is entered when a roll media is detected.(☞ P.2-24)
- The setting configured here does not become effective unless media detection is performed after the setting has been complete.

## 1 Select [MEDIA RESIDUAL] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [MEDIA RESIDUAL].
**(4)** Press the ENTER key.

## 2 Press ▲ ▼ to select ON/OFF.

```
MEDIA RESIDUAL
SETUP          : OFF
```

## 3 Press the ENTER key.

```
MAINTENANCE
MEDIA RESIDUAL <ent>
```

## 4 Press the END key several times to end the setting.



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## Printing the Remaining Amount of a Media

The present remaining amount of a media can be printed.

- Set "Remaining amount of a media to display" to "ON".
- When you replace the media you use now with another, it is recommended that you print the remaining amount of the media on it.With the remaining amount of a media having been printed beforehand, when you use the replaced media again, you can enter an accurate value in the screen for entering the remaining amount of a media (☞ P.2-24) that appears after media detection.

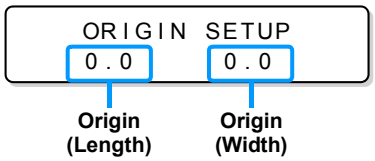
**1** **In LOCAL, Press ▲▼◀▶.**

- LOCAL changes to the origin setting mode.



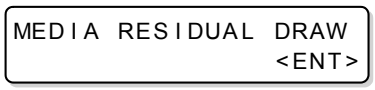

**2** **▲▼◀▶Press to set a light point of the LED pointer to the changing position.**

- Move the carriage and media with ▲▼◀▶ and set the origin.
- When you do not change the origin, do not press ▲▼◀▶ and proceed to Step 3.
- When you press the ENTER key here, the origin is changed, and the screen returns to LOCAL.




**3** **Press the REMOTE key.**

- When you press ▲▼◀▶ , the screen returns to Step 2.
- When you press the END key, the screen returns to LOCAL.




**4** **Press the ENTER key.**

- The remaining amount of a media starts to be printed.
- When the printing has been completed, the screen returns to LOCAL.

Important!

- When the remaining amount of a media has been printed with the origin changed, the origin set here is effective even when subsequent data are printed.


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# If a Waste Ink Tank Confirmation Message Appears

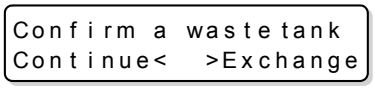
Ink used in head cleaning, etc. is stored in the waste ink tank on the lower right side of the machine.This machine counts the accumulated amount of discharged ink. When that reaches a specified amount, the machine displays a confirmation message.(When this message is displayed, consider the replacement of the waste ink tank.)

## If a Message Is Displayed, for Example, When the Machine Is Supplied with Ink

When functions that use the waste ink tank, such as ink-supplying, head cleaning, and PUMP tube washing, are performed, a message that requests you to confirm the state of the waste ink tank may be displayed, depending on the state of the tank.

### ● When the waste ink tank is almost full:

**The message on the right is displayed.**

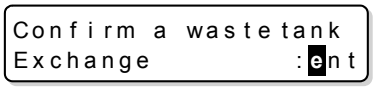



**1** **Check the state of the waste ink tank.**

- When the waste ink tank is almost full:
  **(1)** Replace the waste ink tank with another. (☞ P.5-29)
  **(2)** (ENTER) Press the key to select "Exchange". (The ink discharging amount is reset.)
- When the waste ink tank still has a capacity for waste ink:
  **(1)** Press the (◀) key to select "Continue". (The ink discharging amount is not reset.)
- In this case, the message of P.5-28 “Confirmation Message in LOCAL” is displayed when it returns to Local.

### ● When the waste ink tank is completely full:

**The message on the right is displayed.**




**1** **Replace the waste ink tank with another (☞ P.5-29) and press the (ENTER) key.**

- The amount of discharged ink is reset.

Important!

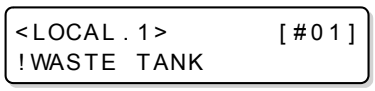
- When you have selected "Exchange" for "almost full" or "completely full" in the above operation, make sure to replace the waste ink tank. (☞ P.5-29)When you use the machine without replacing the waste ink tank, waste ink may overflow from the tank before a confirmation message is displayed.
- This machine does not count the accumulated amount of waste ink discharged when the ST.MAINTENANCE (NOZZLE WASH, PUMP TUBE WASH, and COSTODY WASH) are performed.Before performing these functions, make sure to check the state of the waste ink tank.



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## Confirmation Message in LOCAL

**The message on the right is displayed.**




**1** **Check the state of the waste ink tank and replace it with another as necessary. (☞ P.5-29)**

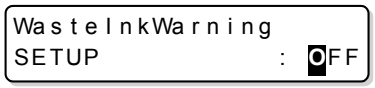
## When You Do Not Want the Confirmation Message of the Waste Ink Tank to Be Displayed

You can configure the setting so that the confirmation message of the waste ink tank is not displayed.

**1** **Select [Waste Ink Warning] of the machine setup menu.**

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MACHINE SETUP] and press the ENTER key.
**(3)** Press ▲ ▼ to select [Waste Ink Warning].
**(4)** Press the ENTER key.

**2** **Press ▲ ▼ to select OFF.**




**3** **Press the key.**

**4** **Press the key several times to end the setting.**

Important!

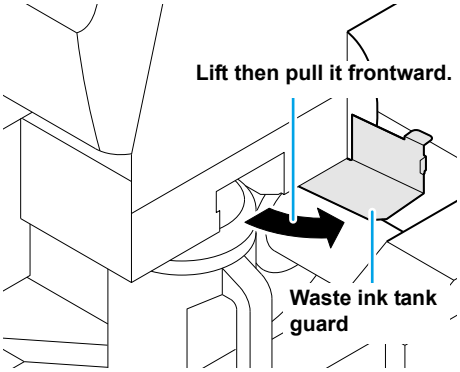
- When you set Waste ink warning to "OFF", the confirmation message is not displayed.Make sure to visually check the amount of ink remaining in the waste ink tank.

## Replace the waste ink tank with another

When the right message is displayed, check the waste ink tank immediately, and then replace it according to the condition.

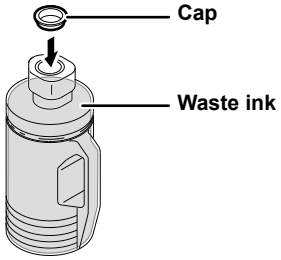
```
<LOCAL.1>          [#01]
!WASTE TANK
```

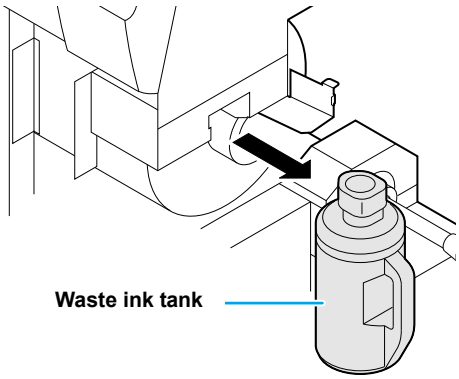
### 1 Remove the waste ink tank guard.




### 2 Pull it frontward to remove by holding the waste ink tank handle.

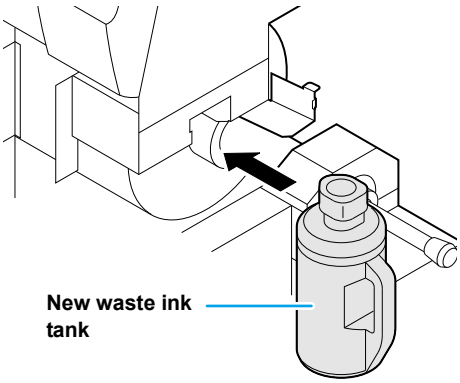
- Put a cap on the waste ink tank removed.




### 3 Replace the waste ink tank.

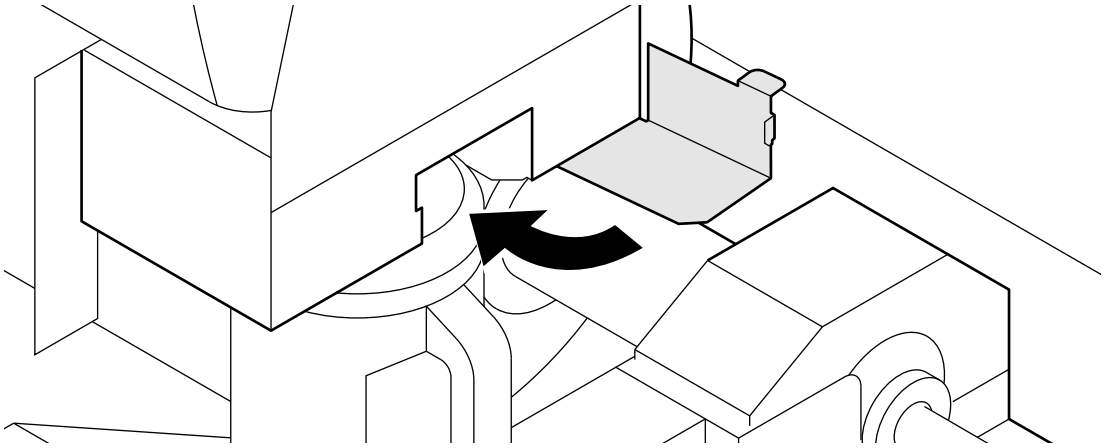
**(1)** Prepare a new waste ink tank (SPC-0117).
**(2)** Insert the waste ink tank by holding a handle of the tank.






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## 4 Close the waste ink tank guard.



## 5 Select [Ink Tank Exchange] of the maintenance menu.

**(1)** Press the FUNCTION key in LOCAL.
**(2)** Press ▲ ▼ to select [MAINTENANCE] and press the ENTER key.
**(3)** Press ▲ ▼ to select [Ink Tank Replace].

## 6 Press the ENTER key.

- The ink discharging amount that is controlled by the machine is reset and the message is cancelled.




## 7 Press the END key several times to end the setting.


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# Replacing the Cutter Blade

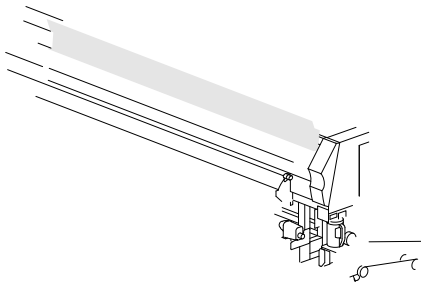
The cutter blade is consumable.When the cutter blade gets dull, replace it with a new one (SPA-0107).

**1** **Press the key then press the key.**

• The carriage moves onto the platen.

**2** **Open the front cover.**

**4** **Close the front cover.**



**5** **Press the key.**

• The screen returns to LOCAL.

# Chapter 6
# Troubleshooting



**This chapter**

describes the corrective measures to be taken for a phenomenon suspected to be trouble and the procedures to clear the error number displayed on the LCD.


Troubleshooting .....6-2
Power does not turn on .....6-2
The machine does not start printing .....6-2
Media get jammed / media is soiled .....6-3
[HEAT] or [CONSTANT] LED does not light up .....6-3
Image quality is poor .....6-4
Nozzle is clogged .....6-4
Ink cartridge warning appears .....6-5
Warning / Error Messages .....6-6
Warning messages .....6-6
Error messages .....6-10

Take appropriate actions as described below before taking the trouble as a failure.
If still the problem is not solved after troubleshooting, contact your dealer or an office of MIMAKI.

## Power does not turn on

In most cases, this is due to improper connection of the power cable for the machine or computer. Check that the power cable is connected properly.

| | | |
|---|---|---|
| **Has the power cable been connected between the machine and a power plug socket ?** | **No** → | Securely connect the power cable. |
| **Is the main switch ON ?** | **No** → | Turn on the main switch. (☞ P.2-4) |
| **Is the power switch located on the front of machine "ON" ?** | **No** → | Turn on the power switch on the front of the machine. |

## The machine does not start printing

This occurs when the data is not being transmitted to the machine properly.
It can also occur when the printing function does not work properly or the media is not set correctly.

| | | |
|---|---|---|
| **Is the correct interface cable used ?** | **No** → | Use the cable exclusive for the device. |
| **Is the interface cable properly connected ?** | **No** → | Securely connect the interface cable. |
| ↓ **Yes** | | |
| **Is the message on the display indicating that ink has run out ?** | **Yes** → | Replace the ink cartridge with a new one. |

## Media get jammed / media is soiled

Media jamming or stained media is considered to be due to the use of an unsuitable media or improper setting of media.

**Is a recommended media used ?** → **No** → Use recommended media.

**Is the media not curled or bent ends ?** → **No** → Avoid using any media with curls or bent ends.

↓ **Yes**

**Is the media hanging down along the platen ?** → **No** → Use a take-up device or re-load the media on the machine. (☞ P.2-6 , P.2-25)

## [HEAT] or [CONSTANT] LED does not light up

Check the basic operation.

**Is the power to the machine ON ?** → **No** → Turn on the power to the machine. (☞ P.2-4)

↓ **Yes**

**Is the heater temperature setting effective ?** → **No** → Set the heater temperature. (☞ P.3-8)

## Image quality is poor

This section describes the corrective actions to be taken in case the image quality is not satisfactory.
Take remedy for particular problems with image quality. If the remedy does not work, contact your dealer or an office of MIMAKI.

| Phenomenon | Measures |
|---|---|
| **White lines / blur / dark stripes (in the direction of travel of the heads)** | **(1)** Execute the head cleaning. (☛ P.2-34)<br>**(2)** Perform maintenance of the inside of the station. ( P.5-5)<br>**(3)** Execute the [MEDIA COMP.] function. ( P.3-4)<br>**(4)** If any pieces of paper or dust is attached on the path of the heads such as media press, remove it. |
| **Characters are double- or triple-printed in the media feed direction** | **(1)** Execute the [MEDIA COMP.] function. ( P.3-4) |
| **Disagreement in print positions between outward trip and homeward trip** | **(1)** Execute the [DROP POSITION] function. ( P.3-6) |
| **Ink drops falling on media during printing** | **(1)** Execute the wiper cleaning. ( P.5-5)<br>**(2)** Execute the ink cap cleaning. ( P.5-5)<br>**(3)** Clean around the head. ( P.5-14)<br>**(4)** Execute the head cleaning [NORMAL]. ( P.2-34)<br>**(5)** When the phenomenon is not improved, execute the periodical wiping setting. ( P.3-23) |

## Nozzle is clogged

When nozzle clogging is not dissolved even after the head cleaning referring to P.2-34, make sure the following operations.

- **Fill ink by the operations of P.5-16.**
- **Wash the head nozzle by the operations of P.5-8.**
- **By performing the operations in P.5-24, select the head (when one of the two heads is normal).**

# Ink cartridge warning appears

If an ink cartridge trouble is detected, a warning message appears and none of printing, cleaning and all the other operations that use ink is available.
In this case, replace the ink cartridge in question immediately.

Important!

- Once cartridge trouble is displayed, do not leave the ink cartridge without replacing it for a long time; otherwise, the machine will lose the nozzle clogging prevention function.
  If nozzles are clogged, the machine must be repaired by MIMAKI's service engineer.

## Displaying the description of ink cartridge trouble

The contents of cartridge error are confirmable by the following operations.

**1** **Press the ENTER key in LOCAL.**




**2** **Press the ENTER key.**




- When multiple cartridge defects occur and if you press the ENTER key or ◀ ▶, they are displayed by turns.

# Warning / Error Messages

If some trouble occurs, the buzzer sounds and the display shows a corresponding error message.
Take an appropriate remedy for the displayed error.

## Warning messages

| Message | Cause | Solution |
|---|---|---|
| Close a cover. | The front cover or the maintenance cover is opened. | Check the front cover and maintenance covers.<br>If the same error message appears again even after closing all the covers, contact your local distributor to call for service. |
| ** NO MEDIA ** | A media has not been set. | Set media. |
| !EXCHANGE BATTERY | The battery life end of the internal clock is detected. | Contact your local distributor to call for service. |
| <LOCAL.1> [#01]<br>!Replace a WIPER | Time to replace the wiper in the capping station with a new one has come.<br>(The wiping count has reached the specified value.) | Replace the wiper with a new one.<br>(☞ P.5-7) |
| <LOCAL.1> [#01]<br>!Do TEST DRAW | The nozzle recovery cannot be expected because the machine has been left standing for a prolonged period of time. | Perform test printing then check nozzle clogging.<br>In the case of nozzle clogging observed, perform cleaning. (☞ P.2-34)<br>In the case of significant nozzle clogging observed, perform the operations of P.5-8 “Washing of Head nozzle”. |
| PRE PRT POST<br>BREAK **°C **°C | A heater is disconnected.<br>(This example shows that pre-heater is disconnected.) | Contact your local distributor to call for service. |
| PRE PRT POST<br>THERM **°C **°C | The thermistor of a heater is defective.<br>(This example shows that the thermistor of pre-heater is defective.) | |
| <LOCAL.1> [#01]<br>NEAR END MMCC---- | Ink for one supply path has been nearly used up. | Replace the cartridge for the supply path corresponding to the indicated color.<br>You can print without replacing the cartridge (until INK END is displayed). However, the machine returns to local mode every completion of printing one file. |
| *REMOTE.1* [#01]<br>NEAR END MMCC---- | | |
| <LOCAL.1> [#01]<br>INK END ----YYKK | Ink for one supply path has been completely used up. | Replace the cartridge for the supply path corresponding to the indicated color. |
| *REMOTE.1* [#01]<br>INK END ----YYKK | | |

| Message | Cause | Solution |
|---|---|---|
| Expiration:1MONTH<br>---- ---- | The expiration date of an ink cartridge has passed (one month has passed after the specified expiration date). | The red LED blinks. Replace the cartridge generating the warning with a new one.<br>The cartridge may be used until two months pass after the specified expiration date. |
| Expiration:2MONTH<br>---- ---- | The expiration date of an ink cartridge has passed (two months have passed after the specified expiration date). | Replace the cartridge generating the warning with a new one. |
| EXPIRED INK IN USE<br>---- ---- | The ink has been extended the expiry month and has been used. | Replace the ink cartridge. (☞ P.1-12) |
| COMPLETELY EXPIRED<br>---- ---- | For the ink extended the expiry month, six months have passed since the expiry month shown on the cartridge. | Replace the ink cartridge. (☞ P.1-12) |
| INK REMAIN ZERO<br>---- ---- | Remaining amount of ink in an ink cartridge is zero. | Replace the cartridge generating the warning with a new one. |
| !WASTE TANK | The waste ink tank is nearly full. | Replace the waste ink tank then execute [MAINTENANCE]-[Ink Tank Exchange]. (☞ P.5-29) |
| !Wash Liquid END | The cleaning liquid cartridge is empty. | Replace the cleaning solution cartridge with a new one. |
| !washLiquidCart.NON | The cleaning liquid cartridge has not been installed. | Install the cleaning solution cartridge. |
| !WRONG WASH CART. | There is trouble with cleaning liquid cartridge. | Check the cleaning solution cartridge. |
| !Take-UP CoverOPEN | The cover of the heavy-duty take-up device opens. | Close the cover of the heavy-duty take-up device.<br>If the error message is displayed even if the cover is closed, contact our service and sales office. |
| !Take-UP LimitDETECT | The control limit sensor of the heavy-duty take-up device is detected. | Move down the position of the tension bar at the take up side. If the error message is displayed even if you move it down, contact our service and sales office. |
| !Take-UP WRONG | An abnormality occurs in the status of take up of the heavy-duty take-up device. | Conform whether the medium is taken up with the heavy-duty take-up device properly.<br>Confirm whether the paper core take up the medium goes around in circles or not. |

| Message | Cause | Solution |
|---|---|---|
| !Feeding CoverOPEN | The cover of the heavy-duty feeding device opens. | Close the cover of the heavy-duty feeding device. |
| | | If the error message is displayed even if the cover is closed, contact our service and sales office. |
| !Feeding LimitDETECT | The control limit sensor of the heavy-duty feeding device is detected. | Move down the position of the tension bar at the drawn side. If the error message is displayed even if you move it down, contact our service and sales office. |
| !Feeding WRONG | An abnormality occurs in the status of drawn of the heavy-duty feeding device. | Conform whether the medium is set on the heavy-duty feeding device properly. |
| | | Confirm whether the medium goes around in circles or not. |

# Error messages

When an error message is displayed, eliminate the error according to the chart below.
If the same error message appears again, contact your dealer or an office of MIMAKI to call for service.

| Message | Cause | Solution |
|---|---|---|
| ***** ERROR 01 *****<br>MAIN ROM | An error occurred in the circuit board system. (ROM) | Turn off the power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 02 *****<br>MAIN RAM | An error occurred in the circuit board system. (RAM) | |
| ***** ERROR 03 *****<br>POWER +5V | An error occurred in the circuit board system. (POWER +5V) | |
| ***** ERROR 03 *****<br>POWER +24V | An error occurred in the circuit board system. (POWER +24V) | |
| ***** ERROR 03 *****<br>POWER +42V | An error occurred in the circuit board system. (POWER +42V) | |
| ***** ERROR 04 *****<br>F-ROM | An error occurred in the circuit board system. (F-ROM) | |
| ***** ERROR 06 *****<br>SD-RAM | An error occurred in the circuit board system. (SD-RAM) | |
| ***** ERROR 07 *****<br>HEAD (----) | An error in heads was detected. (Abnormal temperature was detected.) | |
| ***** ERROR 07 *****<br>VOLTAGE (----) | An error in heads was detected. (Abnormal voltage was detected.) | |
| ***** ERROR 08 *****<br>LinearENCODER:SENSOR | An error occurred in the linear encoder. (Counting was unable. ) | |
| ***** ERROR 08 *****<br>LinearENCODER:DIR. | An error occurred in the linear encoder. (Error in the mounting direction.) | |
| ***** ERROR 08 *****<br>LinearENCODER:COUNT | An error occurred in the linear encoder. (Read-out count error) | |
| ***** ERROR 09 *****<br>FPGA ERROR | An error occurred in the circuit board system.<br>(FPGA PDC) | |
| ***** ERROR 09 *****<br>FPGA PRAM BUSY | An error occurred in the circuit board system.<br>(FPGA PDC) | |
| ***** ERROR 09 *****<br>HDC ERROR (----) | An error occurred in the circuit board system.<br>(FPGA HDC) | |
| illegal IPT xxx<br>xxxxxxxxxxx | CPU irregular interrupt has occurred. | |
| Prg Err TK=xxx ASSRT<br>[xxxx] [xxxx] [xxxx] | A program error has been alerted. | |

| Message | Cause | Solution |
|---|---|---|
| ***** ERROR 10 *****<br>COMMAND ERROR | The machine received some data other than command data. | Securely connect the interface cable in position.<br>Use an interface cable conforming to the specifications. |
| ***** ERROR 10 *****<br>CMD(DBL.Side:FRONT) | An error occurred when the machine cannot print on front side. | Check the machine. |
| ***** ERROR 10 *****<br>CMD(DBL.Side:REAR ) | When ON is set for back side printing, the machine received some data other than back side printing data. | Check the setting of the printing data again. |
| ***** ERROR 11 *****<br>PARAMETER ERROR | Any parameter outside the range of acceptable numeric values was received. | Turn off the main power to the machine and turn it on after a while. If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 16 *****<br>MRL COMMAND | The received data does not follow the command system set by the machine. | Transmit data that is compatible with the command system supported by this machine. |
| ***** ERROR 25 *****<br>FULL-SPEED | An error occurred in communication between the host computer and the interface board for USB2.0 connection.(Full-Speed mode connection) | Check that the host PC supports the USB2.0 interface.<br>(Communication can be resumed without changing any setting. However, it is recommend to use the connection in High-Speed mode.) |
| ***** ERROR 34 *****<br>DATA REMAIN | It is being tried to change settings for functions though there remains received data that has not yet been printed. | Print all the received data or execute the data clear function. Then, change settings. |
| ***** ERROR 40 *****<br>MOTOR ALARM X | An excessive load was applied to the X motor. | Turn off the main power to the machine and turn it on after a while. If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 41 *****<br>MOTOR ALARM Y | An excessive load was applied to the Y motor. | |
| ***** ERROR 42 *****<br>X OVER CURRENT | An error due to an excessive current of the X motor was detected. | |
| ***** ERROR 43 *****<br>Y OVER CURRENT | An error due to an excessive current of the Y motor was detected. | |
| ***** ERROR 45 *****<br>CAPPING:PARAMETER | An error occurred in the capping control. (Improper parameter adjustment value) | |
| ***** ERROR 46 *****<br>WIPER | An error occurred in the wiper control. | Turn off the main power to the machine and turn it on after a while. If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 50 *****<br>MEDIA SET POSITION | Paper could not be detected.<br>The media set position or media itself is not proper. | If the same error message appears again even after setting the media properly, contact your local distributor to call for service. |

| Message | Cause | Solution |
|---|---|---|
| ***** ERROR 50 *****<br>MEDIA DETECT | The set position of the media is not proper. The media detection has not completed. | Set the media to the proper position again. (☞ P.2-9, P.2-20, P.2-26) |
| ***** ERROR 51 *****<br>Y-ORIGIN | Y-origin could not be detected. | Turn off the main power to the machine and turn it on after a while. If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 64 *****<br>TAKE-UP VOLTAGE | An abnormality occurs in the control system of the heavy-duty take-up device. | |
| ***** ERROR 64 *****<br>FEEDER VOLTAGE | An abnormality occurs in the control system of the heavy-duty feeding device. | |
| ***** ERROR 65 *****<br>TAKE-UP TENSION-BAR | An abnormality occurs in the control system of the heavy-duty take-up device. | If the error message is displayed even if you set the medium properly, once turn OFF the power supply and after a while, turn it ON again. If the error message is displayed again, contact our service and sales office. |
| ***** ERROR 66 *****<br>FEEDER TENSION-BAR | An abnormality occurs in the control system of the heavy-duty feeding device. | |
| ***** ERROR 67 *****<br>TAKE-UP UNIT 00 | An abnormality occurs in the heavy-duty take-up device. | Confirm the connection of the heavy-duty take-up device. |
| | | If the error message is displayed even if you connect the device properly, once turn OFF the power supply and after a while, turn it ON again. |
| | | If the error message is displayed again, contact our service and sales office. |
| ***** ERROR 67 *****<br>TAKE-UP UNIT 01 | The heavy-duty take-up device is not connected. | Turn off the main power to the machine and turn it on after a while. If the same error message appears again, contact your local distributor to call for service. |
| ***** ERROR 67 *****<br>TAKE-UP UNIT 02 | The heavy-duty take-up device is connected to a wrong position. | |
| ***** ERROR 67 *****<br>TAKE-UP UNIT 04 | An abnormality occurs in the heavy-duty take-up device. | |
| ***** ERROR 67 *****<br>FEEDER UNIT 00 | An abnormality occurs in the heavy-duty feeding device. | Confirm the connection of the heavy-duty feeding device. |
| | | If the error message is displayed even if you connect the device properly, once turn OFF the power supply and after a while, turn it ON again. |
| | | If the error message is displayed again, contact our service and sales office. |
| ***** ERROR 67 *****<br>FEEDER UNIT 01 | The heavy-duty feeding device is not connected. | Once turn OFF the power supply and after a while, turn it ON again. If the error message is displayed again, contact our service and sales office. |
| ***** ERROR 67 *****<br>FEEDER UNIT 02 | The heavy-duty feeding device is connected to a wrong position. | |

| Message | Cause | Solution |
|---|---|---|
| ***** ERROR 67 *****<br>FEEDER UNIT 04 | An abnormality occurs in the heavy-duty feeding device. | Once turn OFF the power supply and after a while, turn it ON again.<br>If the error message is displayed again, contact our service and sales office. |
| **** ERROR 120 ****<br>ENVIRONMENT TEMP(LO) | The ambient temperature is out of the usable temperature range (too low). | Adjust the ambient temperature of the installation place. (☞ P.3-39) |
| **** ERROR 121 ****<br>ENVIRONMENT TEMP(HI) | The ambient temperature is out of the usable temperature range (too high). | |
| **** ERROR 144 ****<br>CARTRIDGE SET! | There is a slot where no cartridge has been inserted. | Set a cartridge. |
| **** ERROR 200 ****<br>HEAD MEMORY (----) | An error occurred on the head unit memory. | Turn off the main power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service. |
| **** ERROR 202 ****<br>DVEICE CONSTRUCTION | The head is not connected.<br>An error occurred on the head slider board.<br>The head is not MIMAKI genuine. | |
| **** ERROR 203 ****<br>SDRAM SIZE | A SD-RAM of the size required for the machine has not been equipped. | Turn off the main power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service.<br>(When a usable SD-RAM is available, the machine can be started as is. However, a printing speed may be slow depending on resolution. ) |
| **** ERROR 205 ****<br>42V HEAD Voltage | A SD-RAM of the size required for the machine has not been equipped. | Turn off the main power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service. |
| **** ERROR 207 ****<br>XXXXXXXXXX | An error is detected on the wave-form printed on the lower line of the display. | Turn off the main power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service. |
| **** ERROR 208 ****<br>CHECK MAIN PCB ID XX | Model ID of main PCB is different. (XX is ID code.) | |
| **** ERROR 211 ****<br>HeaterTEMP(--/--/--) | An abnormal temperature of the media heater was detected. | |
| **** ERROR 250 ****<br>Y COORDINATES | An error was detected during scan-ning operation. | Turn off the main power to the machine and turn it on after a while.<br>If the same error message appears again, contact your local distributor to call for service. |
| **** ERROR 251 ****<br>SYSTEM ERROR | A system error occurred. | |

# Chapter 7
# Appendix



**This chapter**

contains the lists of the specifications and functions of this machine.


Specifications .....7-2
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## Machine specifications

| Item | | JV34-260 |
|---|---|---|
| Print head | Method | Drop-on-demand piezoelectric print heads |
| | Specification | 2 head |
| Drawing mode (scan x feed) | | 720 x 540dpi / 540 or 720 x 720dpi / 540 x 900dpi / 540 or 720 x 1080dpi / 720 x 1440dpi / 1440 x 1440dpi |
| Usable inks | Dedicated solvent ink. | SS21 ink (Y,M,C,K) |
| | Dedicated aqueous ink. | Sublimation dye ink (Sb52): 4 colors (Y,M,Bl,K)<br>6 colors (Y,M,Bl,K,LBl,Lm)<br>6 colors (Y,M,BB,K,LBB,Lm) |
| Ink supply | | Supplying from ink cartridges through tubes.<br>Ink cartridge replacement type :<br>Only at 4 colors: Supplying by Toggle switchover with 2 cartridges/color |
| Capacity of ink cartridge | Dedicated solvent ink | 440cc 2 cartridges for each color, 880cc/1 color |
| | Dedicated aqueous ink | 6-color set of cartridges :<br>440cc 1 cartridge for each color (2 cartridges, 440cc only for magenta and cyan)<br>4-color set installed :<br>440cc 2 cartridges for each color |
| Media type | Dedicated solvent ink | Tarpaulin, FF, PVC |
| | Dedicated aqueous ink | Photo-paper , Synthetic paper , Duplex paper |
| Max. printing width | | 2632mm |
| Roll Media size | Maximum | 2642mm |
| | Minimum | 210mm |
| | Thickness | 1.0 mm or less |
| | Roll outside diameter | ϕ 250mm or less (when using narrow take-up unit)<br>ϕ 250mm or less (when using heavy media take-up unit) |
| | Roll weight *1 | 25kg or less (when using narrow take-up unit)<br>100kg or less (when using heavy media take-up unit) |
| | Roll inside diameter | 3 or 2 inches |
| | Printing surface | Side facing outward |
| | Roll end treatment | The roll end is gently fixed to the core with weak-adhesive tape or weak glue for easy removal. |
| Leaf media size | Maximum | 2642mm |
| | Minimum | 210mm |
| Margin | Leaf media | Left end and right end : 25 mm (Default) Front : 40.0 mm Rear : 100 mm |
| | Roll media | Left end and right end : 25 mm (Default) Front : 40.0 mm Rear : 100 mm |
| Distance accuracy | Absolute accuracy | Whichever the larger one of ± 0.3 mm or ± 0.3 % of the designated |
| | Reproducibility | Whichever the larger one of ± 0.2 mm or ± 0.1 % of the designated |
| Perpendicularity | | ± 0.5 mm / 1000 mm |
| Media skew | | 5 mm or less / 10 m variable |
| Head height adjustment | | L range : 2.0mm / 3.0mm 2 levels adjustable<br>H range : 3.0mm / 4.0mm 2 levels adjustable |
| Cutting of media | | Cutting of Y direction by the head cutter,<br>Cutting accuracy (steps) : 0.5 mm or less. |
| Media delivery | | Take-up device supplied as a standard accessory<br>(switching possible between face in and face out). |
| Waste ink tank | | Bottle type ( 2,000 cc) |
| Interface | | USB 2.0 |
| Command | | MRL- III |
| Noise | during standby | Less than 58 dB (FAST-A, Front & Rear & Left & Right 1 m) |
| | during continuous printing | Less than 65 dB |
| | during discontinuous printing | Less than 70 dB |
| Safety Standard | | VCCI-Class A, FCC-Class A, UL 60950, CE Marking (EMC,Low Voltage Directive,Machinery Directive), CB Report, RoHS |
| Power | | AC100 - 120 ± 10% , AC220 - 240 ± 10% , 50/60Hz ± 1Hz , 15A or less |
| Power consumption *2 | | 1333 W or less |

| Item | | JV34-260 |
|---|---|---|
| Recommended Environment | Available temp. | 20 °C to 35 °C |
| | Humidity | 35 to 65% Rh (No condensation) |
| | Guaranteed temp. | 20 °C to 25 °C |
| | Temperature change | ± 10 °C / h or less |
| | Dust | Equivalent to normal office level |
| | Highest operation height | 2000 m |
| Weight | | 470 kg |
| Outside dimensions | | 2289 mm(W) x 1302 mm(D) x 1425 mm(H) |

*1. Without deflection of the roll when it is retained at both ends.
*2. Main unit and heater included.

# Ink specifications

| Item | | When solvent ink is used | When aqueous-color ink is used |
|---|---|---|---|
| Supply | | Dedicated solvent ink cartridges | Dedicated sublimation dye ink cartridge (Sb52) |
| Color | | Black ink cartridge<br>Cyan ink cartridge<br>Magenta ink cartridge<br>Yellow ink cartridge<br>Light cyan ink cartridge<br>Light magenta ink cartridge | Black ink cartridge<br>Blue ink cartridge<br>Magenta ink cartridge<br>Yellow ink cartridge<br>Light blue ink cartridge<br>Light magenta ink cartridge |
| Ink capacity | | 220cc / 440cc per cartridge | |
| Shelf life | | SS21 Ink<br>1 year from the date of manufacture<br>(at room temperature) | Aqueous pigment ink<br>1 year from the date of manufacture<br>(at room temperature)<br>Sublimation dye ink<br>1 year from the date of manufacture<br>(at room temperature) |
| Storage temperature | Storage | 0 to 25°C (Average daily temperature)<br>• Be sure to keep a vessel in the airtight condition. | 10 to 35°C (Average daily temperature)<br>• Be sure to keep a vessel in the airtight condition.<br>• Be sure to keep a vessel in a dry, well-ventilated, cool and dark location. |
| | Transportation | -20 to 60°C<br>• Avoid the condition lower than -20 °C and higher than 60 °C. | 0 to 40°C<br>• Avoid the condition lower than -0 °C and higher than 40 °C. |

Important!

- **Do not disassemble ink cartridges and do not refill them with ink.**
- **Ink could freeze if kept in a cold place for an extended period.**
  - When solvent ink is used, if the ink freezes, thaw it at room temperature (25°C) spending more than three hours before use.
  - When aqueous ink is used, if the ink freezes, the quality is changed and the ink becomes unusable.
    Store the ink in an environment that will not freeze the ink.

# Setting orders depending on ink type

The setting value and the setting orders of the ink cartridges differ depending on the ink type you use.

## Rough standard of heater temperature setting value

When you use solvent ink, the optimal values of Pre heater/ Print heater/ Post heater differ depending on the ink type you use.

| Type of ink | SS21 ink |
|---|---|
| Type of media | All medias |
| Set of the Pre-heater | 35°C |
| Set of the Print-heater | 35°C |
| Set of the Post-heater | 50°C |

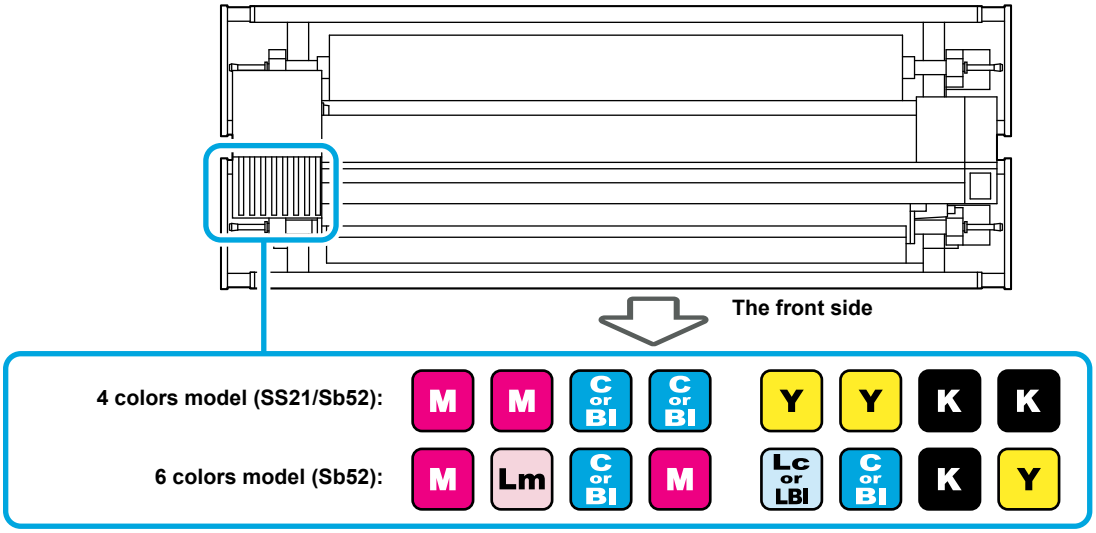
Important!

- Adjust it to suitable temperature depending on the media condition.
- When aqueous-color ink is used, no reference for the temperature set is required.

## Setting orders of ink cartridges

The orders of ink cartridges set in the ink station differ depending on the ink set you use.

- Set the ink cartridge according to the cartridge label under the ink station.




## Maintenance intervals of automatic maintenance function

The default values of the automatic maintenance functions set in the automatic function differ depending on the ink type you use.

| Function name | Default value | Default value |
|---|---|---|
| | SS21 ink | Sb52 ink |
| REFRESH maintenance intervals | 4h | 4h |
| PUMP TUBE WASH maintenance intervals | 48h | 48h |
| CLEANING maintenance intervals | OFF | OFF |

# Sheet for inquiry

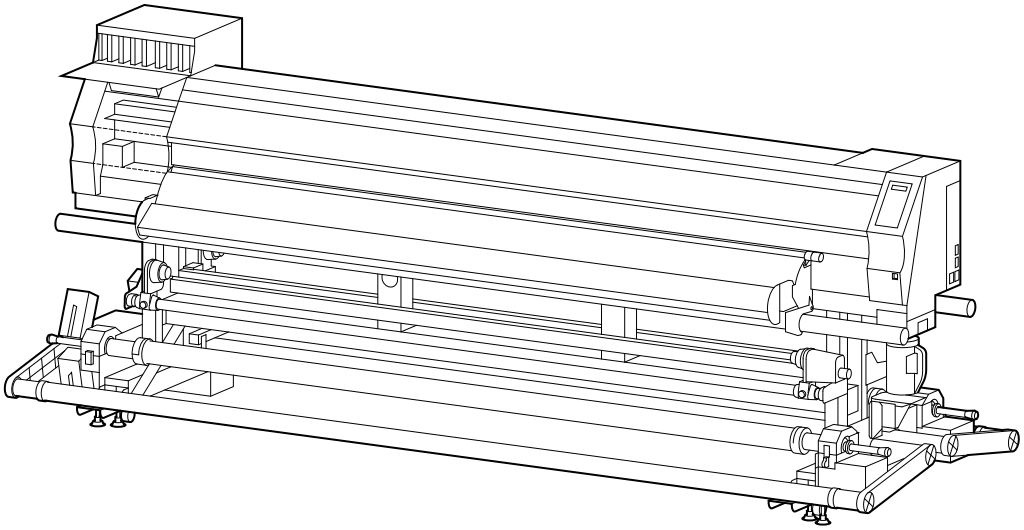
Use this sheet for troubles and abnormal functions of the machine.
Fill in the following necessary items, and then fax the sheet to our sales office.

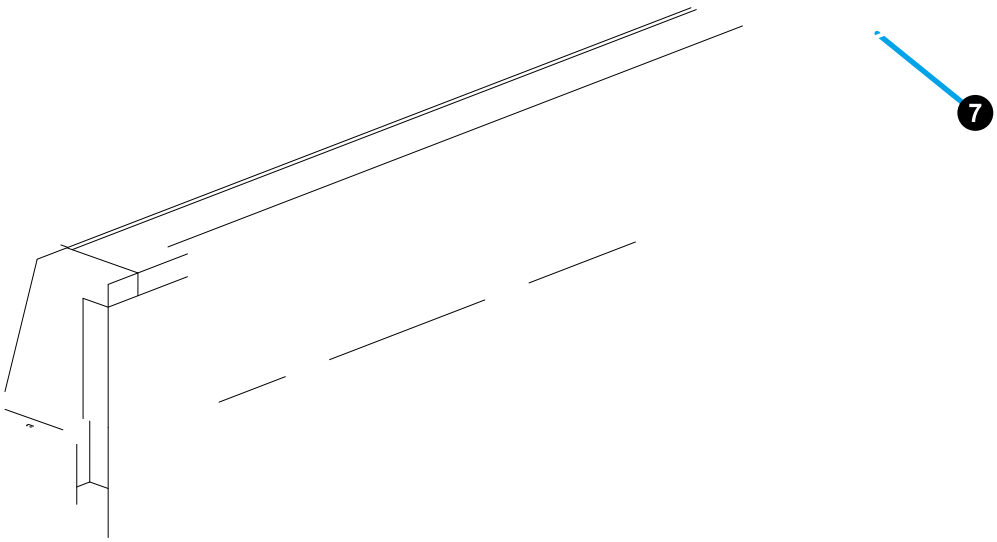
| | |
|---|---|
| **Company name** | |
| **Person in charge** | |
| **Telephone number** | |
| **machine model** | |
| **Operating OS** | |
| **Machine information** *1 | |
| **Error message** | |
| **Contents of inquiry** | |

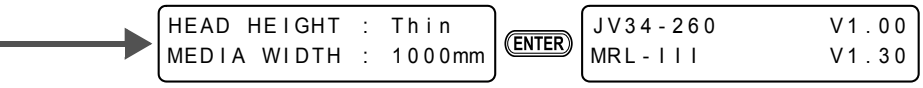
*1. Refer to "Confirming Machine information" of "Convenient using" then fill in necessary information. (☞ P.3-44)

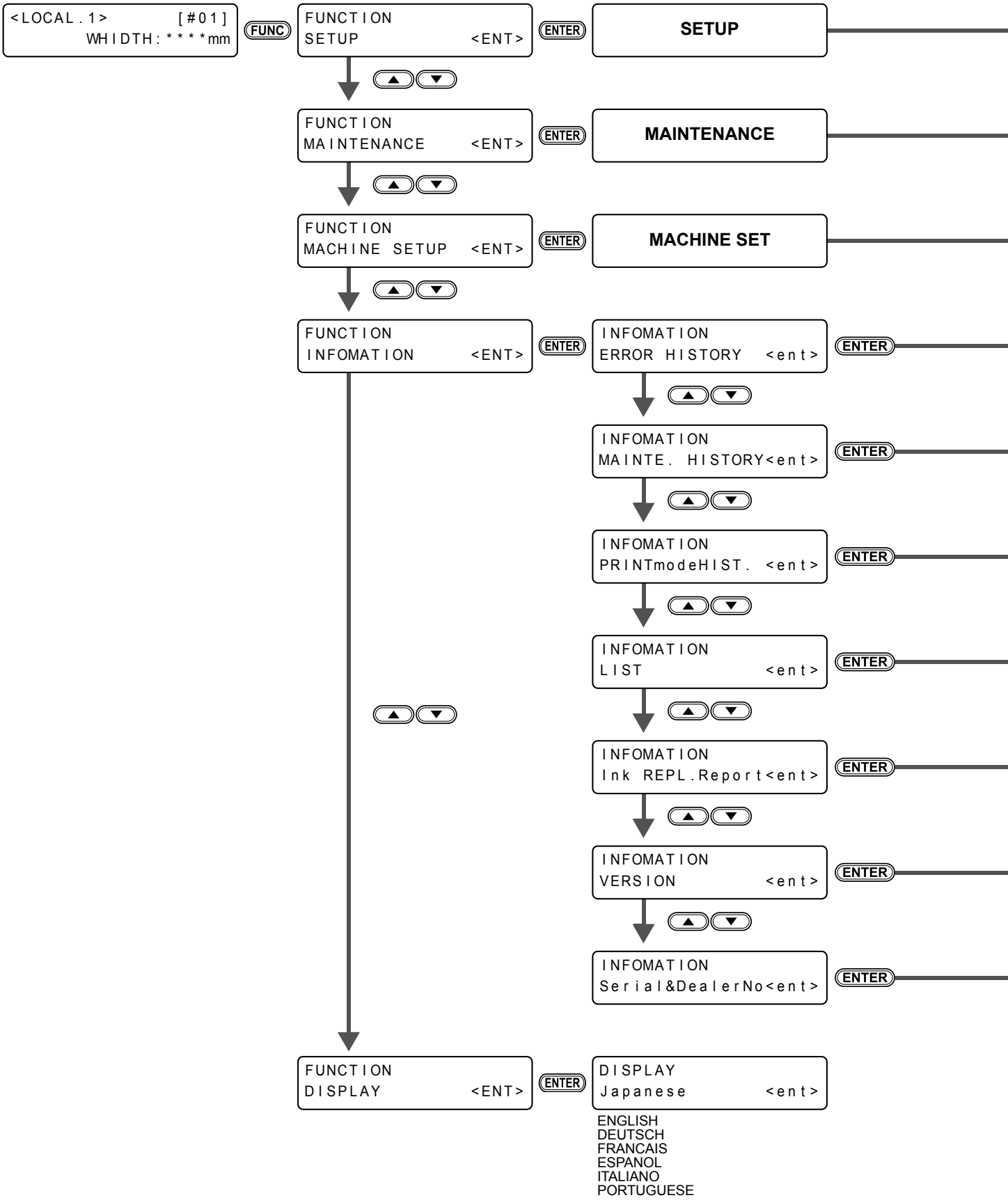
# Warning labels

Warning labels are stuck on the machine. Be sure to fully understand the warning given on the labels.
If a warning label is illegible due to stains or has come off, purchase a new one from a distributor or our sales office.





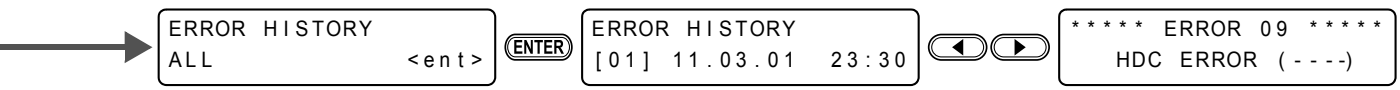

HEAD HEIGHT : Thin
MEDIA WIDTH : 1000mm
ENTER
JV34-260 V1.00
MRL-III V1.30

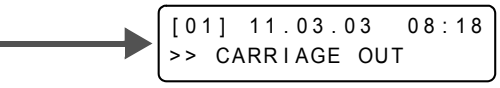

<LOCAL.1> [#01]
WHIDTH:****mm
FUNC
FUNCTION
SETUP <ENT>
ENTER
SETUP
FUNCTION
MAINTENANCE <ENT>
ENTER
MAINTENANCE
FUNCTION
MACHINE SETUP <ENT>
ENTER
MACHINE SET
FUNCTION
INFOMATION <ENT>
ENTER
INFOMATION
ERROR HISTORY <ent>
ENTER
INFOMATION
MAINTE. HISTORY<ent>
ENTER
INFOMATION
PRINTmodeHIST. <ent>
ENTER
INFOMATION
LIST <ent>
ENTER
INFOMATION
Ink REPL.Report<ent>
ENTER
INFOMATION
VERSION <ent>
ENTER
INFOMATION
Serial&DealerNo<ent>
ENTER
FUNCTION
DISPLAY <ENT>
ENTER
DISPLAY
Japanese <ent>
ENGLISH
DEUTSCH
FRANCAIS
ESPANOL
ITALIANO
PORTUGUESE

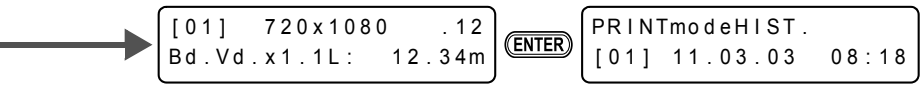
To P.7-12

To P.7-18

To P.7-22

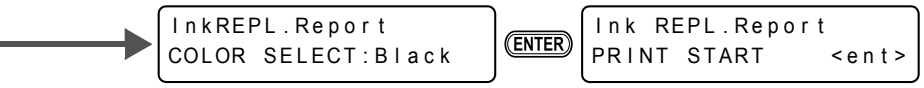


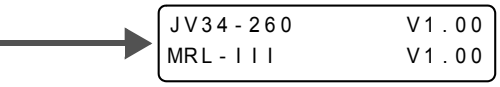



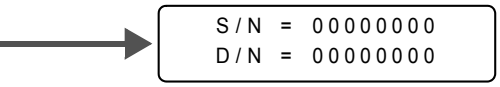



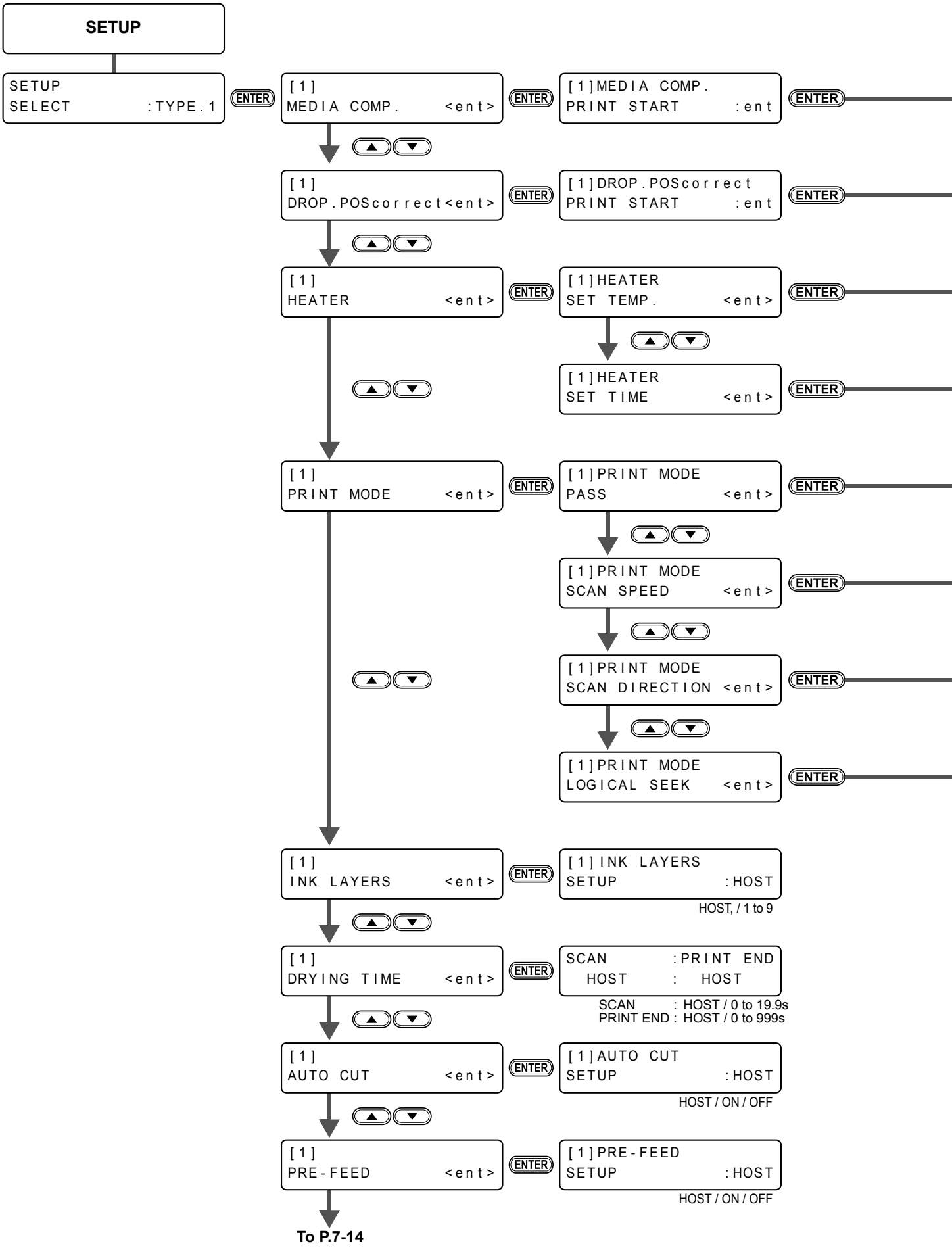


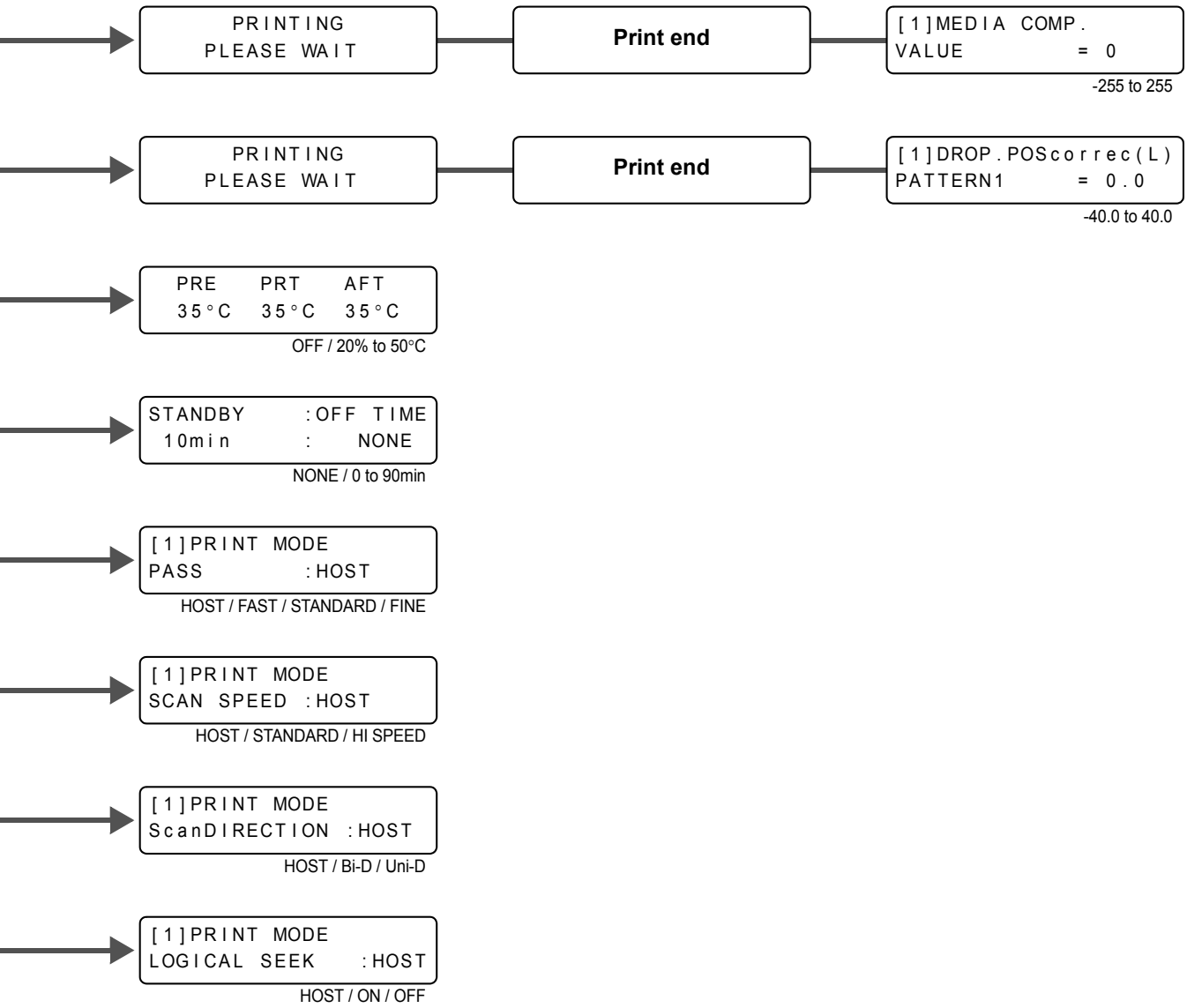




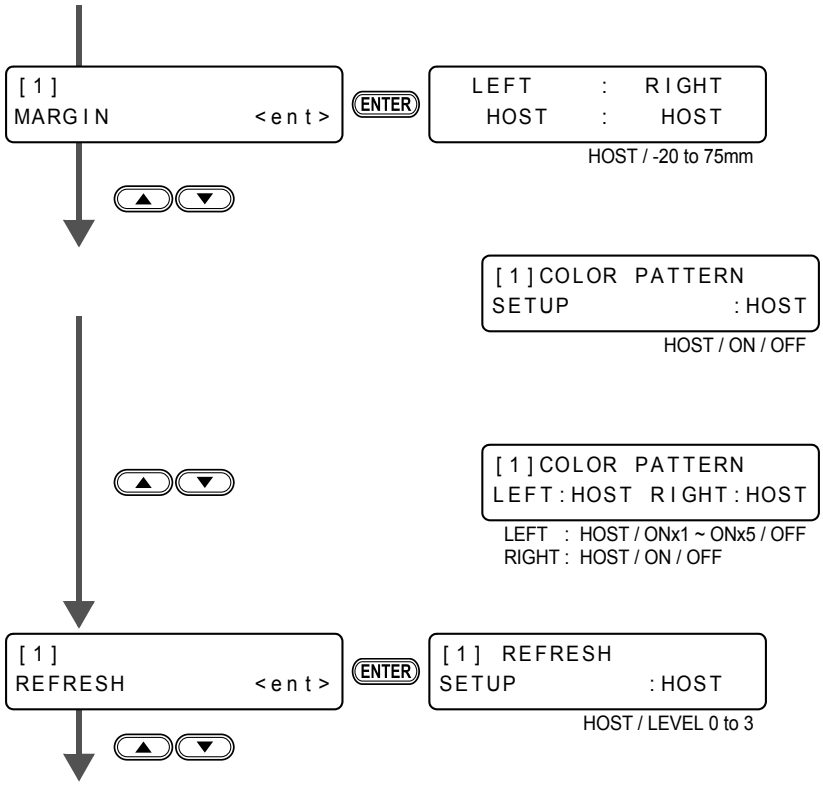



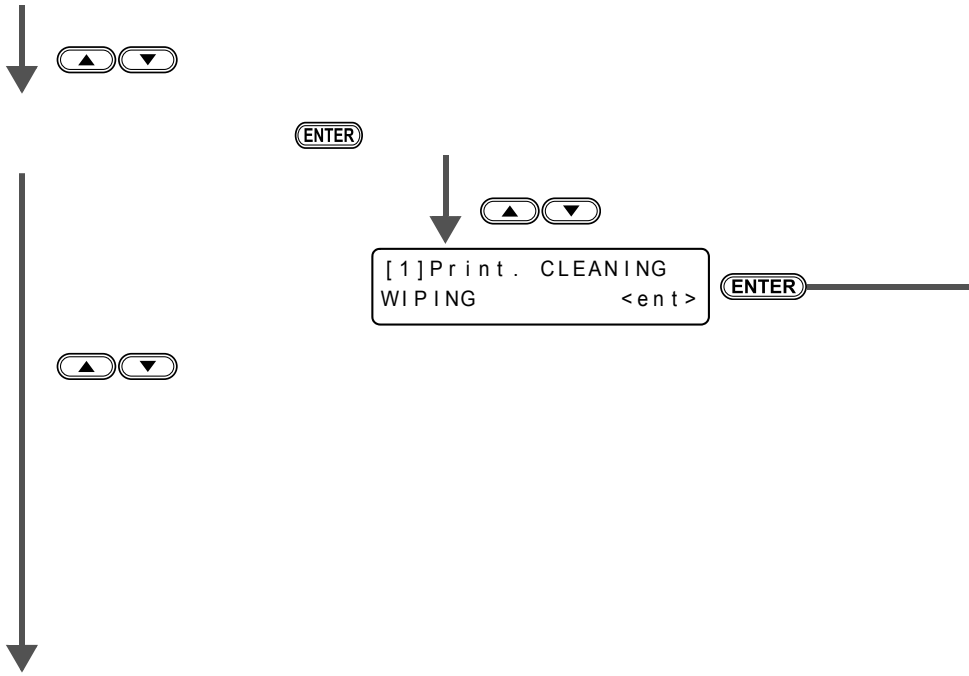




SETUP
SETUP
SELECT :TYPE.1
ENTER
[1]
MEDIA COMP. <ent>
ENTER
[1]MEDIA COMP.
PRINT START :ent
ENTER
[1]
DROP.POScorrect<ent>
ENTER
[1]DROP.POScorrect
PRINT START :ent
ENTER
[1]
HEATER <ent>
ENTER
[1]HEATER
SET TEMP. <ent>
ENTER
[1]HEATER
SET TIME <ent>
ENTER
[1]
PRINT MODE <ent>
ENTER
[1]PRINT MODE
PASS <ent>
ENTER
[1]PRINT MODE
SCAN SPEED <ent>
ENTER
[1]PRINT MODE
SCAN DIRECTION <ent>
ENTER
[1]PRINT MODE
LOGICAL SEEK <ent>
ENTER
[1]
INK LAYERS <ent>
ENTER
[1]INK LAYERS
SETUP :HOST
HOST, / 1 to 9
[1]
DRYING TIME <ent>
ENTER
SCAN :PRINT END
HOST : HOST
SCAN : HOST / 0 to 19.9s
PRINT END : HOST / 0 to 999s
[1]
AUTO CUT <ent>
ENTER
[1]AUTO CUT
SETUP :HOST
HOST / ON / OFF
[1]
PRE-FEED <ent>
ENTER
[1]PRE-FEED
SETUP :HOST
HOST / ON / OFF
To P.7-14

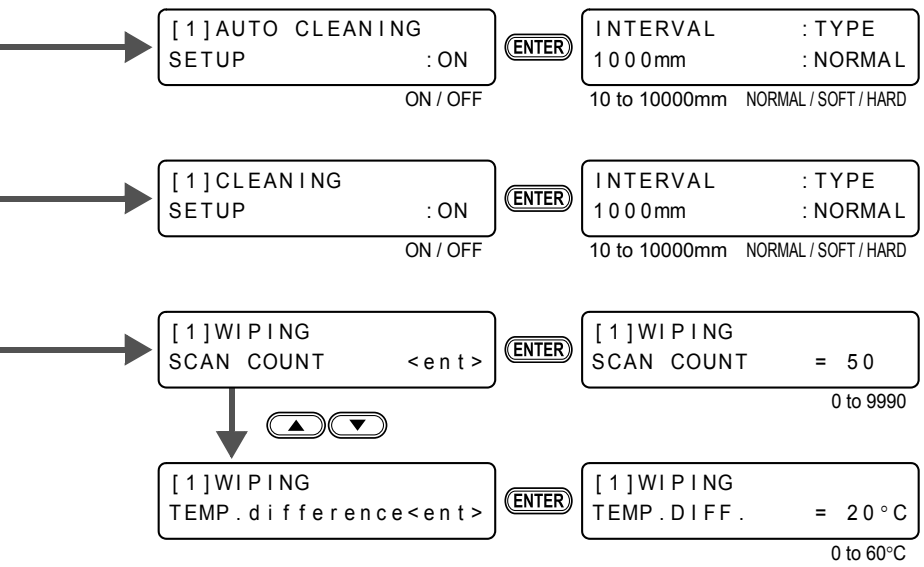

PRINTING
PLEASE WAIT
Print end
[1]MEDIA COMP.
VALUE = 0
-255 to 255
PRINTING
PLEASE WAIT
Print end
[1]DROP.POScorrec(L)
PATTERN1 = 0.0
-40.0 to 40.0
PRE PRT AFT
35°C 35°C 35°C
OFF / 20% to 50°C
STANDBY :OFF TIME
10min : NONE
NONE / 0 to 90min
[1]PRINT MODE
PASS :HOST
HOST / FAST / STANDARD / FINE
[1]PRINT MODE
SCAN SPEED :HOST
HOST / STANDARD / HI SPEED
[1]PRINT MODE
ScanDIRECTION :HOST
HOST / Bi-D / Uni-D
[1]PRINT MODE
LOGICAL SEEK :HOST
HOST / ON / OFF

From P.7-12

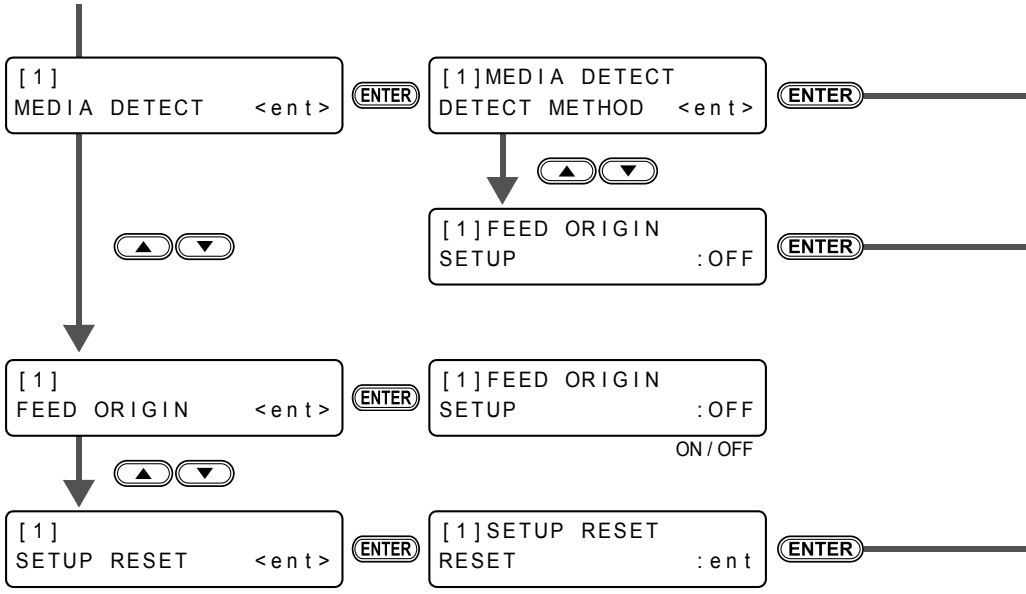


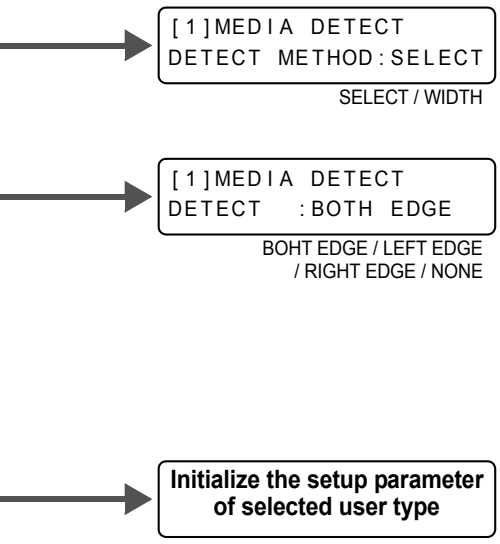



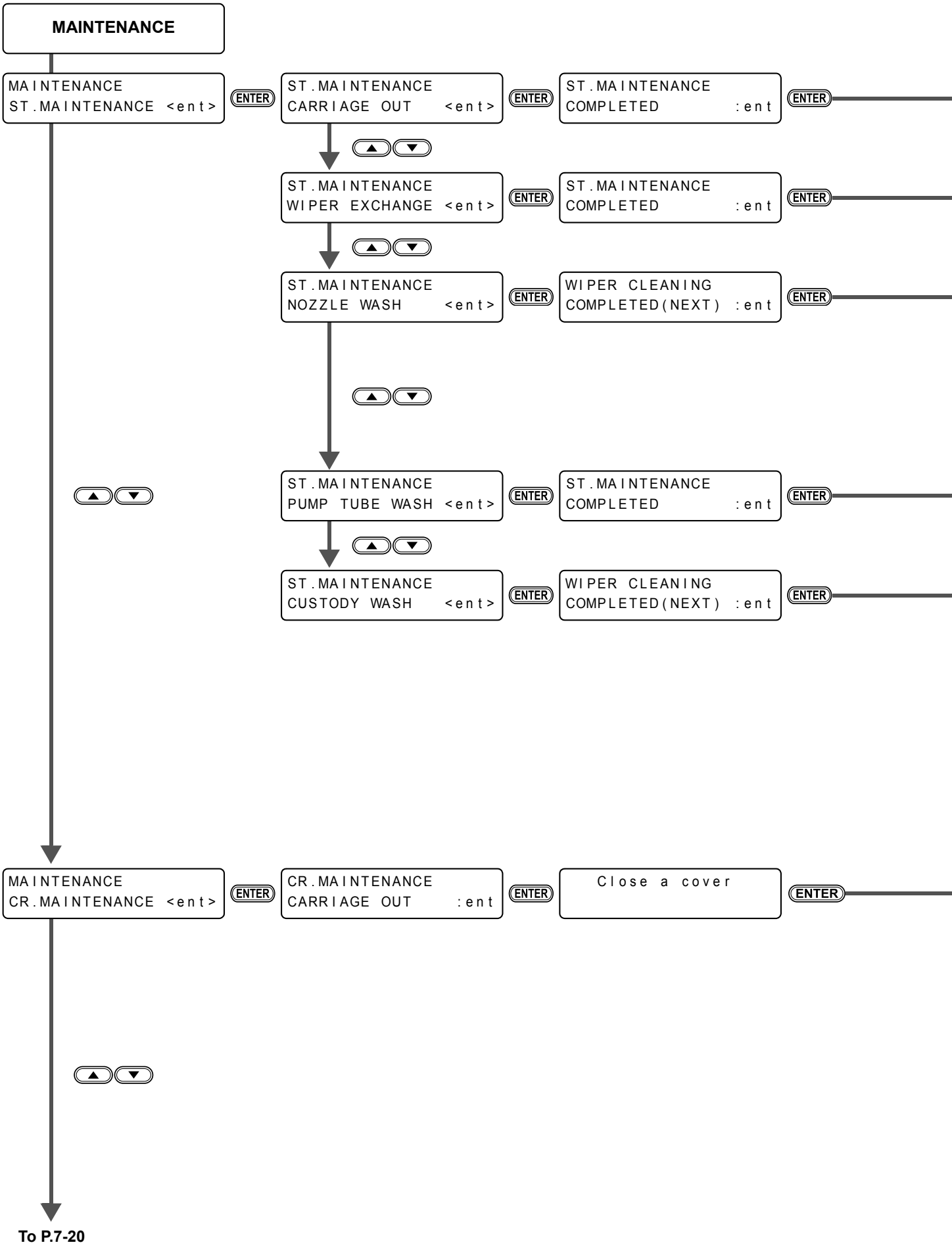

To P.7-16


[1]AUTO CLEANING
SETUP :ON
ON / OFF
ENTER
INTERVAL :TYPE
1000mm :NORMAL
10 to 10000mm NORMAL / SOFT / HARD
[1]CLEANING
SETUP :ON
ON / OFF
ENTER
INTERVAL :TYPE
1000mm :NORMAL
10 to 10000mm NORMAL / SOFT / HARD
[1]WIPING
SCAN COUNT <ent>
ENTER
[1]WIPING
SCAN COUNT = 50
0 to 9990
[1]WIPING
TEMP.difference<ent>
ENTER
[1]WIPING
TEMP.DIFF. = 20°C
0 to 60°C

From P.7-14

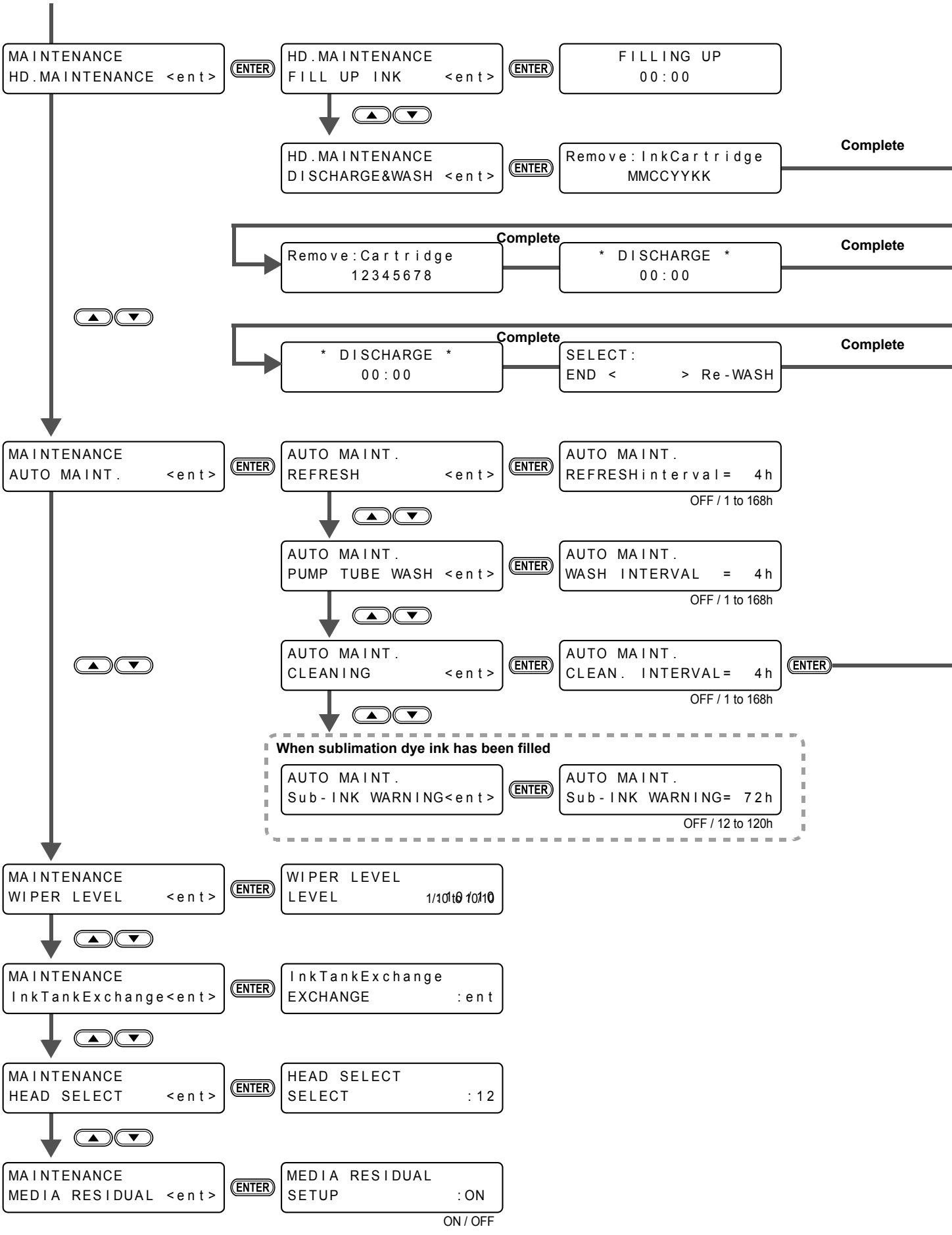

[1]
MEDIA DETECT <ent>
ENTER
[1]MEDIA DETECT
DETECT METHOD <ent>
ENTER
[1]FEED ORIGIN
SETUP :OFF
ENTER
[1]
FEED ORIGIN <ent>
ENTER
[1]FEED ORIGIN
SETUP :OFF
ON / OFF
[1]
SETUP RESET <ent>
ENTER
[1]SETUP RESET
RESET :ent
ENTER

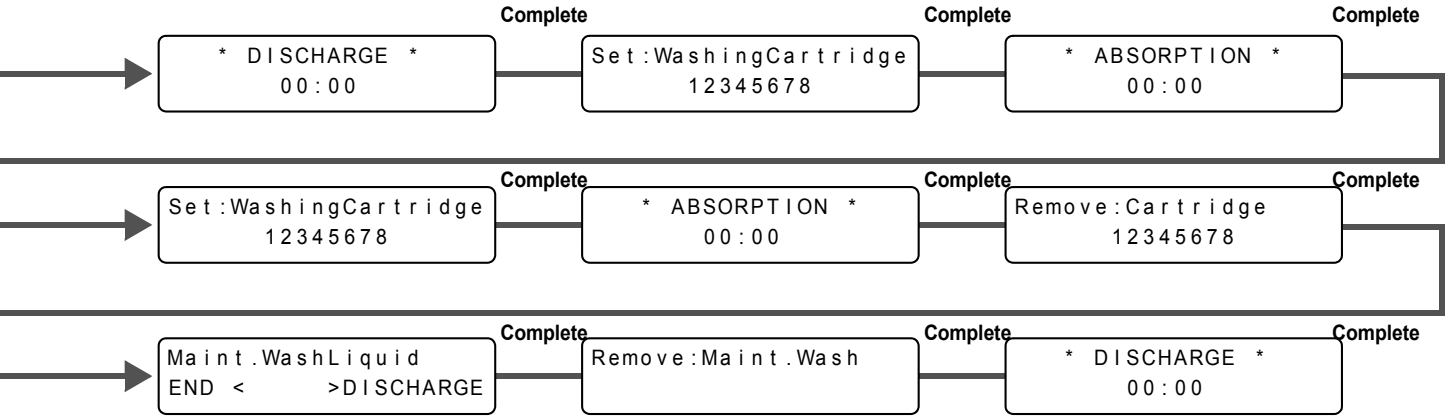

[1]MEDIA DETECT
DETECT METHOD:SELECT
SELECT / WIDTH
[1]MEDIA DETECT
DETECT :BOTH EDGE
BOHT EDGE / LEFT EDGE
/ RIGHT EDGE / NONE
Initialize the setup parameter
of selected user type

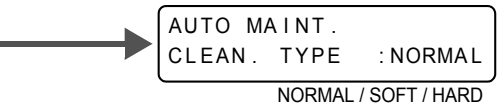

MAINTENANCE
MAINTENANCE
ST.MAINTENANCE <ent>
ENTER
ST.MAINTENANCE
CARRIAGE OUT <ent>
ENTER
ST.MAINTENANCE
COMPLETED :ent
ENTER
ST.MAINTENANCE
WIPER EXCHANGE <ent>
ENTER
ST.MAINTENANCE
COMPLETED :ent
ENTER
ST.MAINTENANCE
NOZZLE WASH <ent>
ENTER
WIPER CLEANING
COMPLETED(NEXT) :ent
ENTER
ST.MAINTENANCE
PUMP TUBE WASH <ent>
ENTER
ST.MAINTENANCE
COMPLETED :ent
ENTER
ST.MAINTENANCE
CUSTODY WASH <ent>
ENTER
WIPER CLEANING
COMPLETED(NEXT) :ent
ENTER
MAINTENANCE
CR.MAINTENANCE <ent>
ENTER
CR.MAINTENANCE
CARRIAGE OUT :ent
ENTER
Close a cover
ENTER

To P.7-20

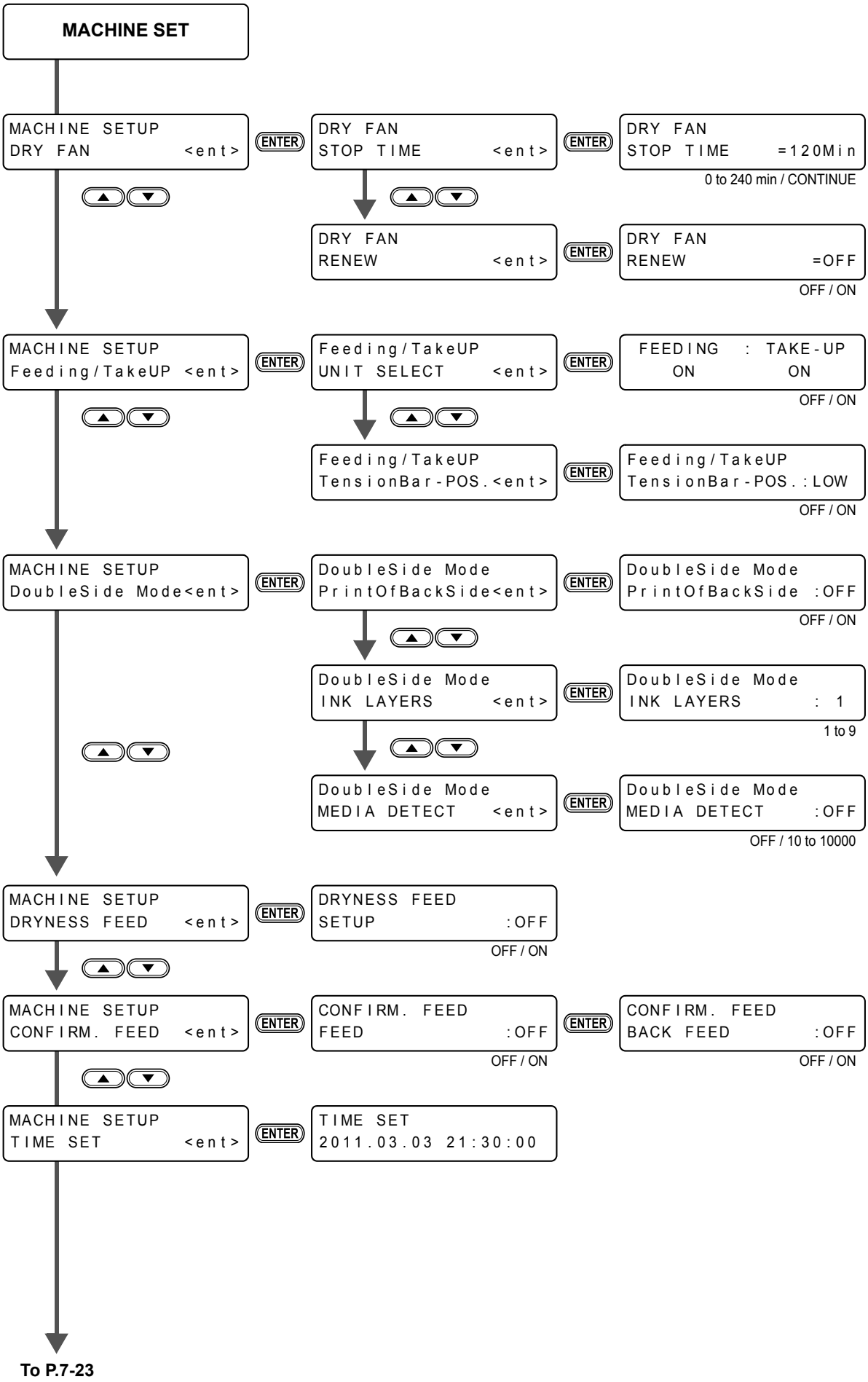
From P.7-18


MAINTENANCE
HD.MAINTENANCE <ent>
ENTER
HD.MAINTENANCE
FILL UP INK <ent>
ENTER
FILLING UP
00:00
HD.MAINTENANCE
DISCHARGE&WASH <ent>
ENTER
Remove:InkCartridge
MMCCYYKK
Complete
Remove:Cartridge
12345678
Complete
* DISCHARGE *
00:00
Complete
* DISCHARGE *
00:00
Complete
SELECT:
END < > Re-WASH
Complete
MAINTENANCE
AUTO MAINT. <ent>
ENTER
AUTO MAINT.
REFRESH <ent>
ENTER
AUTO MAINT.
REFRESHinterval= 4h
OFF / 1 to 168h
AUTO MAINT.
PUMP TUBE WASH <ent>
ENTER
AUTO MAINT.
WASH INTERVAL = 4h
OFF / 1 to 168h
AUTO MAINT.
CLEANING <ent>
ENTER
AUTO MAINT.
CLEAN. INTERVAL= 4h
ENTER
OFF / 1 to 168h
When sublimation dye ink has been filled
AUTO MAINT.
Sub-INK WARNING<ent>
ENTER
AUTO MAINT.
Sub-INK WARNING= 72h
OFF / 12 to 120h
MAINTENANCE
WIPER LEVEL <ent>
ENTER
WIPER LEVEL
LEVEL 1/10 to 10/10
MAINTENANCE
InkTankExchange<ent>
ENTER
InkTankExchange
EXCHANGE :ent
MAINTENANCE
HEAD SELECT <ent>
ENTER
HEAD SELECT
SELECT :12
MAINTENANCE
MEDIA RESIDUAL <ent>
ENTER
MEDIA RESIDUAL
SETUP :ON
ON / OFF

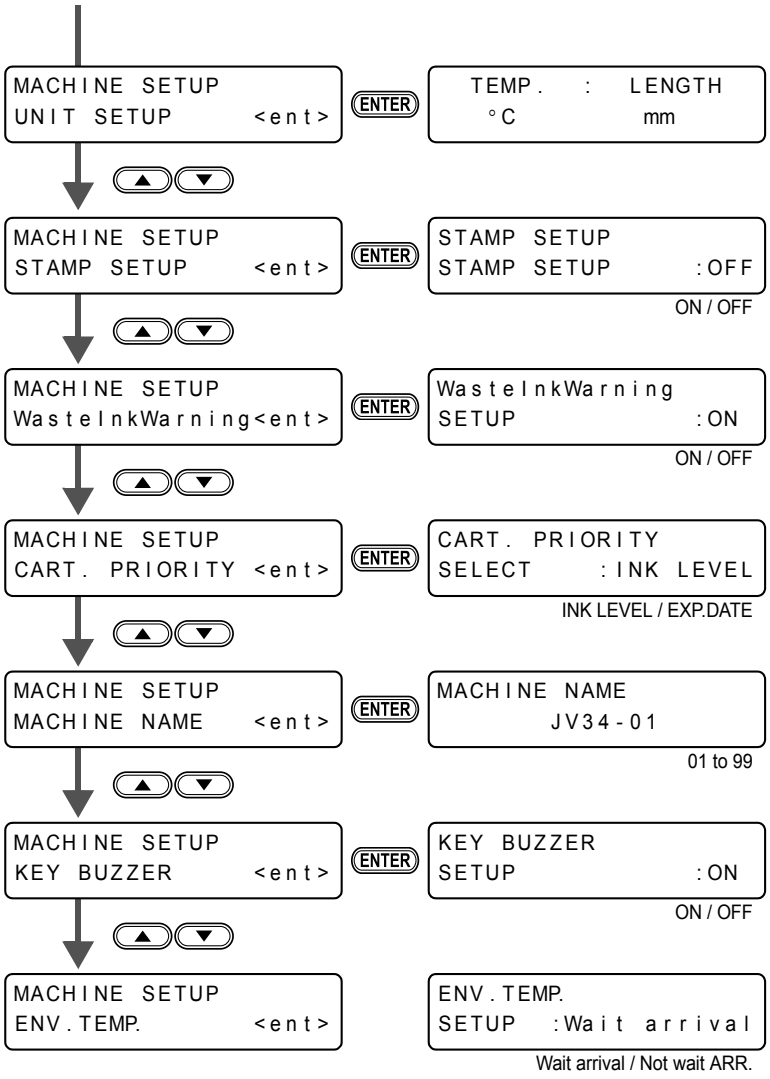



NORMAL / SOFT / HARD


MACHINE SET
MACHINE SETUP
DRY FAN <ent>
ENTER
DRY FAN
STOP TIME <ent>
ENTER
DRY FAN
STOP TIME =120Min
0 to 240 min / CONTINUE
DRY FAN
RENEW <ent>
ENTER
DRY FAN
RENEW =OFF
OFF / ON
MACHINE SETUP
Feeding/TakeUP <ent>
ENTER
Feeding/TakeUP
UNIT SELECT <ent>
ENTER
FEEDING : TAKE-UP
ON ON
OFF / ON
Feeding/TakeUP
TensionBar-POS.<ent>
ENTER
Feeding/TakeUP
TensionBar-POS.:LOW
OFF / ON
MACHINE SETUP
DoubleSide Mode<ent>
ENTER
DoubleSide Mode
PrintOfBackSide<ent>
ENTER
DoubleSide Mode
PrintOfBackSide :OFF
OFF / ON
DoubleSide Mode
INK LAYERS <ent>
ENTER
DoubleSide Mode
INK LAYERS : 1
1 to 9
DoubleSide Mode
MEDIA DETECT <ent>
ENTER
DoubleSide Mode
MEDIA DETECT :OFF
OFF / 10 to 10000
MACHINE SETUP
DRYNESS FEED <ent>
ENTER
DRYNESS FEED
SETUP :OFF
OFF / ON
MACHINE SETUP
CONFIRM. FEED <ent>
ENTER
CONFIRM. FEED
FEED :OFF
ENTER
CONFIRM. FEED
BACK FEED :OFF
OFF / ON
OFF / ON
MACHINE SETUP
TIME SET <ent>
ENTER
TIME SET
2011.03.03 21:30:00
To P.7-23

From P.7-22


MACHINE SETUP
UNIT SETUP <ent>
ENTER
TEMP. : LENGTH
°C mm
MACHINE SETUP
STAMP SETUP <ent>
ENTER
STAMP SETUP
STAMP SETUP :OFF
ON / OFF
MACHINE SETUP
WasteInkWarning<ent>
ENTER
WasteInkWarning
SETUP :ON
ON / OFF
MACHINE SETUP
CART. PRIORITY <ent>
ENTER
CART. PRIORITY
SELECT :INK LEVEL
INK LEVEL / EXP.DATE
MACHINE SETUP
MACHINE NAME <ent>
ENTER
MACHINE NAME
JV34-01
01 to 99
MACHINE SETUP
KEY BUZZER <ent>
ENTER
KEY BUZZER
SETUP :ON
ON / OFF
MACHINE SETUP
ENV.TEMP. <ent>
ENV.TEMP.
SETUP :Wait arrival
Wait arrival / Not wait ARR.

# JV34-260 Operation Manual

June, 2011

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D202193-11-20062011



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NH
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