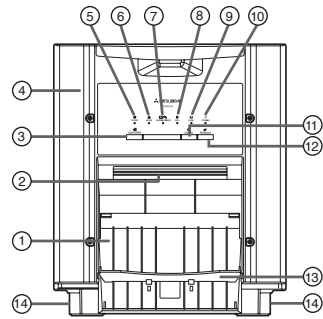


FRONT PANEL



1 PAPER STRIP BIN

Holds the paper chips generated by margin cut. To prevent jamming the chips at the print outlet, throw away the chips frequently.

NOTE

Remove the bin before opening the door. If the door is opened with this bin attached, the printer or this bin may be damaged.

2 PRINT OUTLET

The printed paper comes out here.

3 DOOR OPEN BUTTON (H)

When you press this button while the power is on, the door will open in about five seconds.

4 DOOR

Open this door when installing print paper or ink ribbon. Press the DOOR OPEN button 3 to open the door.

5 POWER INDICATOR (I)

When the power is turned on, the indicator illuminates.

6 ALARM INDICATOR (A)

This indicator illuminates or blinks when a paper jam occurs or the door is open. See page 18.

7 PAPER/INK RIBBON INDICATOR (□/%)

When an error concerning the ink ribbon or print paper occurs, this indicator illuminates or blinks. See page 18.

8 DATA INDICATOR (D)

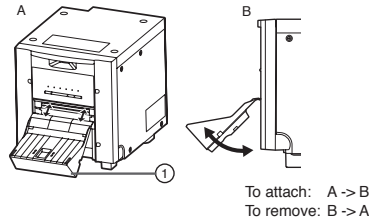
This indicator blinks during data transfer. It illuminates during printing.

9 READY INDICATOR (C)

This indicator illuminates when this unit is ready to accept the data. It also illuminates during data transfer. It blinks during print canceling procedure.

PAPER STRIP BIN

Hook the paper strip bin by its latches.



10 COOLING INDICATOR (C)

When the unit is overheated, this indicator blinks. See page 18.

11 CANCEL BUTTON (X)

Press this button for more than 1 second during printing to cancel continuous printing. After the ongoing printing at the time this button is pressed is completed, the printing process is canceled.

12 FEED & CUT BUTTON (F)

When you keep pressing this button for more than 1 second, the print paper is fed and cut.

13 PAPER CATCHER

You may stack the prints on this paper catcher. See the next page for the installation of this paper catcher. When using the print paper of 13x18(5x7"), 15x20(6x8") or 15x23(6x9"), do not install the paper catcher.

NOTE

When you use 9x13 (3.5x5")-size or 10x15 (4x6")-size paper, you may stack about 10 prints on this paper catcher. It is recommended to remove the prints stacked on the paper catcher frequently. If the prints are not removed frequently, a paper jam may cause.

14 FEET

These feet can be removed. See the next page for removal of the feet.

NOTE

When this printer is turned on, the indicators start illuminating in sequence. The printer is ready for use when the POWER and READY buttons are lit.

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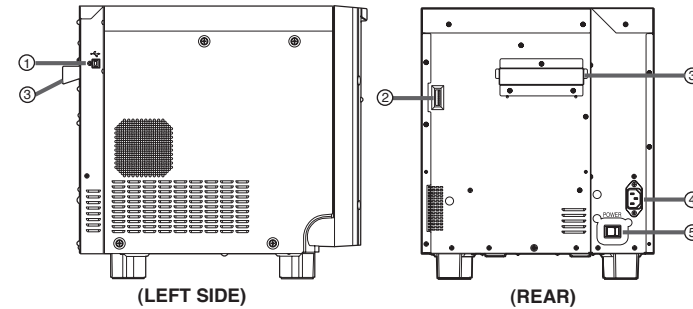
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SIDE AND REAR PANEL



1 USB TERMINAL

Use to connect the USB cable. See page 9.

2 DIP SWITCHES

Use to set various functions of this unit. See page 10.

3 HANDLE FOR TRANSPORTING

When transporting this unit, hold this handle and the upper front part of this unit.

4 POWER SOCKET (AC LINE)

Use to connect the provided power cord. Insert the cord firmly.

5 POWER SWITCH

Use to switch the power ON and OFF.

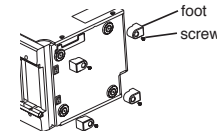
REMOVING THE FEET

1. Remove the paper strip bin.
2. Place the printer sideways as shown in the figure.

NOTE

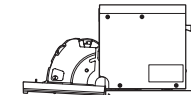
Be careful not to get your fingers pinched.

3. Loosen 4 screws to remove the feet.
4. Raise the printer. Keep the removed screws and feet.



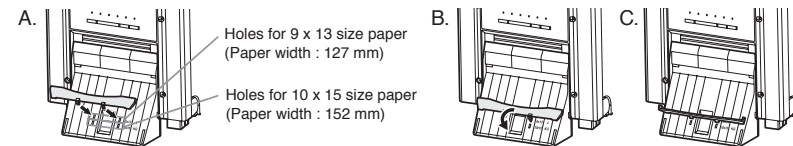
INSTALLATION

Place the printer on a stable table. Make sure that the bottom of the door does not touch the table when opened and that the printer does not fall from the table.



INSTALLING THE PAPER CATCHER

Hook the paper catcher by its latches. When using the print paper of 13x18(5x7"), 15x20(6x8") or 15x23(6x9"), do not install the paper catcher.



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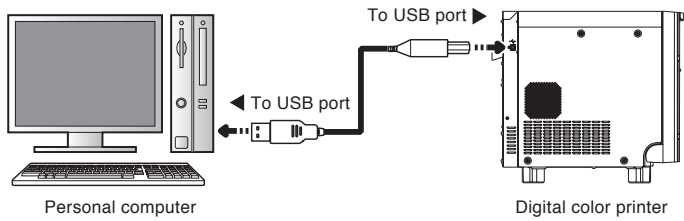
CONTENTS

## CONNECTIONS

### CONNECTION WITH USB DATA SIGNAL EQUIPMENT

#### CONNECTING TO PERSONAL COMPUTER (EXAMPLE)

Connect this unit to a personal computer as shown below.



**NOTE**  
A USB cable is not supplied with this unit. Use the USB 2.0 certified cable of 2 m or less in length.

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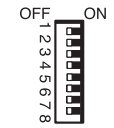
CONTENTS

## CONNECTIONS

### SETTING OF DIP SWITCHES

#### SETTING DIP SWITCHES

All the switches are set to OFF at the time of shipment from the factory.  
Turn off the power before changing the DIP switch settings.



Switch No.	Setting	Function
1	OFF ON	Auto feed & cut mode When the door is closed after the print paper is installed with this unit powered on, this unit automatically carries out paper feed & cut operation. Manual feed & cut mode
2	OFF ON	Set this switch to OFF.
3	OFF ON	Set this switch to OFF.
4	OFF ON	Set this switch to OFF.
5	OFF ON	Set this switch to OFF.
6	OFF ON	Set this switch to OFF.
7	OFF ON	Set this switch to OFF.
8	OFF ON	Set this switch to OFF.

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## BEFORE OPERATION

Before printing,

- 1 Install the print paper to this unit. (See below.)
- 2 Position the adjustable paper guides. (See page 13.)
- 3 Install the ink ribbon to this unit. (See page 14-15.)

### INSTALLATION OF PRINT PAPER

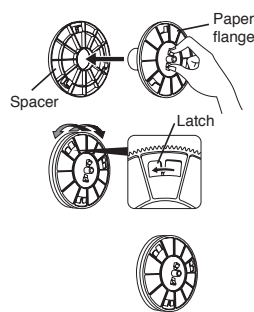
#### Spacers

- For the usage of the spacers, see the Quick Setup Guide. Remove the cushions put between the paper flange and spacer when using the spacers.

How to attach the spacers

1. Attach the spacer with the paper flange's stoppers retracted.
2. Turn the spacer until the latches are locked.

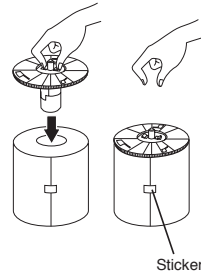
When you remove the spacers from the paper flanges, follow the above procedure in reverse.



#### 1 Attach the supplied paper flanges to both sides of the print paper.

When you pinch the latches on the paper flange, the stoppers retract into the shaft. Attach the flanges to the print paper with the stoppers retracted.

Make sure that the flanges are attached to the print paper securely, and release the latches.



#### NOTE

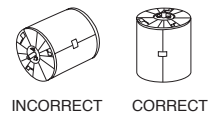
- Take care not to pinch your fingers.
- Do not remove the sticker on the print paper yet.
- Do not slacken the paper. Any slack in the print paper may degrade the print quality.

#### CAUTION

- When placing the print paper, remove one flange and keep the print paper upright on its side with no flange.
- When you put the print paper sideways, it may roll and fall. This may cause injury.

#### NOTE

- Do not touch the thermal head. Fingerprints or dust on the thermal head will degrade the print quality.
- Fingerprints or dust on the paper's surface may degrade print quality and cause paper jams.



INCORRECT CORRECT

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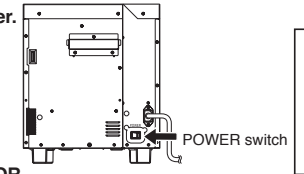
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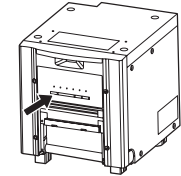
## BEFORE OPERATION

- 2 Press the POWER switch on the rear panel to turn on the power.



- 3 After the mechanical initialization is completed, press the DOOR OPEN button to open the door.

Take the ink cassette in the printer out.



- 4 Install the print paper into the unit.

Make sure to install the print paper firmly.

#### NOTE

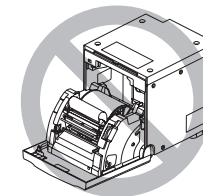
Install the print paper into the unit slowly. If it is dropped along the ditches, the unit or accessories may be damaged.

#### CAUTION

- Do not touch the thermal head right after printing because it is extremely hot. Otherwise you may get burned or injured.

#### NOTE

- Note that the thermal head is quite sensitive to static electricity. When you touch the thermal head while carrying static electricity on your body, the thermal head may be damaged.



- 5 Remove the sticker, insert the print paper between the rollers as shown right, and feed the print paper until it reaches the black cover.

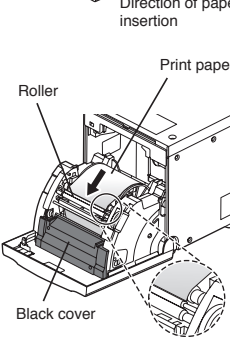
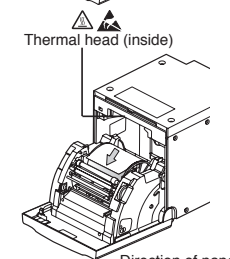
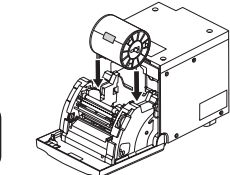
- Remove the sticker before inserting the print paper between rollers. Make sure to insert the paper straight.

#### NOTE

- Keep the roller clean. Dirt on the roller may degrade the print quality.

#### NOTE

- When taking the print paper out, pull it up toward you.
- Make sure to turn on the power before replacing the print paper.
- Make sure to eliminate any slack from the print paper. If you carry out the following steps without eliminating the slack, the print paper may be damaged.



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POSITIONING OF ADJUSTABLE PAPER GUIDE

The adjustable paper guides are attached on both sides of the metal shaft at the back of the decurl roller.  
Adjust the position of the print paper using these paper guides.

TYPE 1

HOW TO SHIFT THE ADJUSTABLE PAPER GUIDES

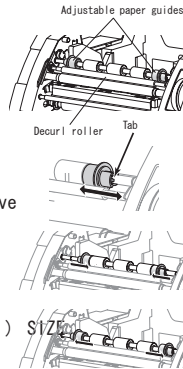
- 1 Move the guide by pulling the tab.
- 2 Release the tab and shift the guide until it is fixed into the groove of the shaft.

WHEN USING 9X13(3.5X5") OR 13X18(5X7") SIZE PAPER (5" -WIDTH)

Move both the adjustable paper guides to the center.

WHEN USING 10X15(4X6"), 15X20(6X8") OR POST CARD OR 15X23(6X9") SIZE PAPER (6" -WIDTH)

Move both the adjustable paper guides outward.

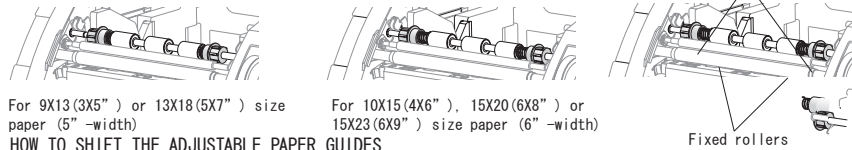


NOTE

Make sure to adjust the adjustable paper guides according to the size of print paper to be used. When they are not positioned properly, a malfunction such as paper jam may occur.

-4-

TYPE 2



For 9X13(3X5") or 13X18(5X7") size paper (5" -width)

For 10X15(4X6"), 15X20(6X8") or 15X23(6X9") size paper (6" -width)

HOW TO SHIFT THE ADJUSTABLE PAPER GUIDES

- 1 Push both the adjustable paper guides with both hands until they touch the fixed rollers respectively.
- 2 Turn each paper guide in the direction of the arrows until they stop.



For 9X13(3X5") or 13X18(5X7") size paper (5" -width)

For 10X15(4X6"), 15X20(6X8") or 15X23(6X9") size paper (6" -width)

- 3 When you release the paper guides, they are fixed to the appropriate width depending on the size of the paper to be used.

NOTE

Make sure to adjust the adjustable paper guides according to the size of print paper to be used. When they are not positioned properly, a malfunction such as paper jam and misaligned printing position may occur.

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INSTALLATION OF INK RIBBON

INSTALLING THE INK RIBBON

After installing the print paper, install the ink cassette into this unit.

Before installing the ink cassette into this unit, load the ink ribbon in the ink cassette.

NOTE

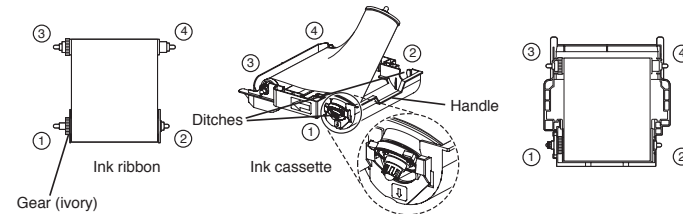
- Place the ink cassette on a flat surface, when loading the ink ribbon.
- Select a place that is free of dust when loading the ink ribbon. Dust or dirt settling on the ink ribbon results in poor print quality.
- Make sure that the shafts of the ink ribbon fit into the ink cassette firmly.

NOTE

- Make sure to use the blue ink cassette supplied with the printer. The ink cassettes for the CP9000 series and the CP9500 series cannot be used.

1 Load the ink ribbon in the ink cassette as shown below.

- Make sure to load it in the correct position. First, place the gear ③ and ④ on the ditches ③ and ④ respectively. Then, insert the gear ① of the ink ribbon to the ditch ① of the ink cassette, and push the gear ② into the ditch ② by rotating the ink ribbon. After that, push the ③ and ④ into each ditch.

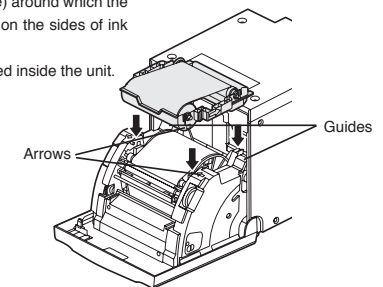


Make sure to set the ink ribbon roller to the ditches firmly. Turn the ivory gear to eliminate any slack.

INSTALLING THE INK CASSETTE

1 Place the ink cassette containing the ink ribbon in the position as shown right.

Place the ink cassette on the print paper with the shaft (thicker one) around which the ink ribbon is wound located to the front. Align the arrows marked on the sides of ink cassette with those on the unit. Place the rear of the ink cassette along the guides that are provided inside the unit.



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## BEFORE OPERATION

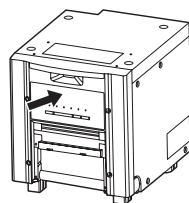
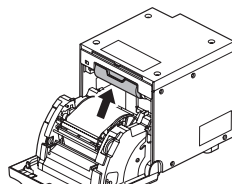
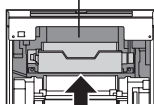
### 2 Push the ink cassette toward the back of the unit.

Hold the handle of the ink cassette and push it straight toward the back of the unit. Then raise it until you hear a click to secure it in the ink cassette holder.

#### NOTE

If the ink ribbon is used up, repeat the steps 1 to 2 to replace the print paper and the ink ribbon.

Thermal head (inside)



### 3 Push the center of the door to close.

The print paper setting is initialized two seconds after you close the door.

When the auto feed & cut mode has been selected, the FEED & CUT procedure is repeated three times after you close the door. When the print paper with the post card printing on its reverse side is installed, the FEED & CUT procedure is repeated five times.

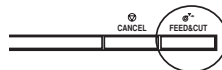
#### NOTE

- When closing the door, push it until a click is heard.
- If the PAPER/INK RIBBON indicator illuminates when the door is closed, the print paper may have not been installed correctly. In this case, open the door to make sure that the print paper has been installed correctly. Then close the door again.
- On the auto feed & cut mode, when the print paper is installed more than three times, the print paper may be used up earlier than the ink ribbon.

#### ■ When the manual & cut mode has been selected

When the manual feed & cut mode has been selected, hold down the FEED & CUT button for 1 second or longer. Repeat the manual feed & cut three times. When the print paper with the post card printing on its reverse side is installed, repeat this procedure five times.

For how to select the auto feed & cut mode, see "Setting of DIP switches" (on page 10).



Installation of the print paper and the ink ribbon is completed.

#### NOTE

- Make sure to replace the print paper and the ink ribbon at the same time.
- When replacing them, throw away the paper chips in the paper strip bin.
- Whenever you replace the print paper and the ink ribbon, clean the thermal head and the roller. For the cleaning procedures, see "CLEANING" (on pages 21 and 22).

## BEFORE OPERATION

### HANDLING OF PAPER / INK RIBBON SET

#### ■ BEFORE PRINTING

- Fingerprints or dust on the paper's printing surface may degrade the print quality and cause paper jams. When the manual feed & cut mode has been selected, repeat the FEED & CUT procedure three times after replacing the print paper. When the print paper with the post card printing on its reverse side is installed, repeat five times. If you omit cutting the print paper by the FEED & CUT procedure, first two or three prints may not be printed partly because of finger oil or dirt.
- When the print paper or ink ribbon is abruptly transferred from a cool place to a hot place, vapor or dew is generated on the surface, which causes paper jams or degraded print quality. Leave the print paper in the room to stabilize its temperature before use.
- If you repeat the FEED & CUT procedure more than the designated number of times while installing the print paper, the indicated number of prints may not be made. In addition, if you replace the print paper before it is used up, the indicated number of prints may not be made.

#### ■ AFTER PRINTING

- If the paper absorbs nonvolatile organic solvents (alcohol, ester, ketone, etc.) the print may be discolored.
- Discoloration of prints is accelerated if the print paper comes into contact with soft vinyl chloride such as transparent tape.
- Avoid storing prints in direct sunlight or places with high humidity.

#### ■ STORAGE OF PAPER / INK RIBBON SET

- Do not store the print paper and ink ribbon in the container made of soft polyvinyl chloride. They may be discolored because of chemical reaction.
- Store the print paper and ink ribbon out of direct sunlight and away from heating appliances in a cool, dark place where the temperature is 5°C to 30°C and the humidity is 20% to 60% RH.

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**INSTALLATION OF PRINTER DRIVER**

- The printer driver is required to print the data from the personal computer connected with this unit.

The printer driver for Windows® is supplied with this unit.

Product name	Required operating system
CPD9800X	Applies for Microsoft® Windows® 2000 or Windows® XP operation system

- Refer to the PRINTER DRIVER GUIDE in the CD-ROM for installing the printer driver.

Microsoft, Windows, Windows 2000 and Windows XP are the registered trademarks of Microsoft Corporation in the U.S.A. and other countries.

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**INDICATIONS ON THE FRONT PANEL AND COUNTERMEASURES**

- If, for some reason, printing is not possible or an error occurs during printing, the indicators on the front panel will illuminate or blink. In this case, follow the procedure described below.  
In case of an error during printing, unless you turn off the unit, the unit resumes printing automatically when the error is corrected.

☉: Steady on ●: Off ☉●: Blinking —: Depends on the previous condition

ALARM	PAPER/INK RIBBON	DATA	READY	COOLING	Causes and Countermeasures	Page
☉●	●	—	●	●	The door is open. • Close the door. A paper jam occurs. • Refer to "Overcoming paper jams."	7 19
☉●	☉	—	●	●	The power is turned off during printing process. • Turn on the power and carry out the paper feed & cut.	---
●	●	—	☉	☉●	The temperature of the thermal head is too high. • Wait until the indication goes off. * Note	7
●	☉●	—	●	●	The ink ribbon is not loaded. The ink ribbon is used up. The ink ribbon which is not available to this printer is installed. • Replace the ink ribbon with a new one.	14-15
●	☉	—	●	●	The print paper is not installed. The print paper is used up. • Install new print paper. The actual combination of ink ribbon and print paper is inconsistent with the setting made by the personal computer. • Set the personal computer according to the actual combination of ink ribbon and print paper. Turn off the printer, then adjust the setting of the personal computer to the actual combination of ink ribbon and print paper.	11-12 11-15
☉	●	—	●	●	Other errors	20

When ALARM or PAPER/INK RIBBON indicator illuminates or blinks, open the door and carry out the above countermeasures.

If the indicator is not turned off by closing the door, carry out the paper feed & cut.

\*Note If an error occurs while the continuous printing through the PC is ongoing, it is resumed after the COOLING indicator goes off.

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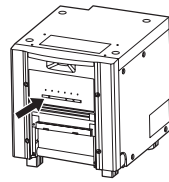
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OVERCOMING PAPER JAMS

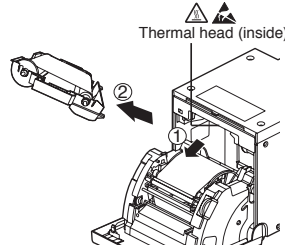
**1 Press the DOOR OPEN button to open the door.**

Make sure that the power is turned on before opening the door.  
If the door does not open, turn off the power and turn it on again.  
Then press the DOOR OPEN button again.



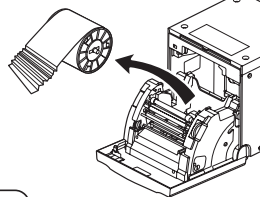
**2 Remove the ink cassette.**

Push down the ink cassette as shown by the arrow ① and pull it out.



**3 Take out the print paper.**

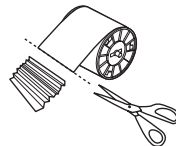
When taking the print paper out, pull it up toward you.



**4 Cut off the defective part of the print paper with scissors.**

NOTE

- Make sure to cut off the printed part of the print paper. Failure to do this may result in the ink ribbon sticking to the print paper and being torn.
- Make sure to clean the thermal head and the roller. Refer to "CLEANING" (on pages 21 and 22).



**5 Install the print paper and the ink cassette with the ink ribbon. (Refer to pages 11-15.)**

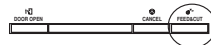
**6 Push the center of the door to close.**

The print paper setting is initialized two seconds after you close the door.  
When the auto feed & cut mode has been selected, the FEED & CUT procedure is repeated three times after you close the door. When the print paper with the post card printing on its reverse side is installed, the FEED & CUT procedure is repeated five times.

**When the manual & cut mode has been selected**

When the manual feed & cut mode has been selected, hold down the FEED & CUT button for 1 second or longer. Repeat the manual feed & cut three times. When the print paper with the post card printing on its reverse side is installed, repeat this procedure five times.

For how to select the auto feed & cut mode, see "Setting of DIP switches" (on page 10).



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BEFORE CALLING FOR SERVICE

For the following symptoms, check the unit again before calling for service.

Symptom	Check & Remedy
The power is not turned on.	Is the power cord plug disconnected from the outlet? → Connect the power cord plug to the outlet firmly. → The protective circuit may be working. Turn off the power and wait for about two minutes. Then turn on the power again.
The door doesn't close.	Are you turning off the power during printing procedure? → Turn on the power and then close the door.
The image is not printed.	Is the image data sent to this unit? → Make sure that the image data is sent to this unit. Is the print paper or the ink ribbon used up? → Check them. Is the ink cassette installed correctly? → Install the ink cassette correctly.
An error can not be resolved.	→ Press the DOOR OPEN, CANCEL and FEED&CUT buttons simultaneously. This printer starts initialization.

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INSTRUCTIONS FOR TRANSPORTATION

When transporting this unit for some reason such as repair, follow the instructions below.

**1. Use the original packaging.**

The genuine package unit may not endure more than one round trip. If the unit is transported with the package unit more than one round trip, it may not be guaranteed.

Purchase another package unit when transporting this unit again.

Pack the unit with all the accessories (ink ribbon, print paper, ink cassette, and paper flanges) removed.

**2. Turn off the power after the PAPER/INK RIBBON indicator blinks.**

After removing all the accessories, close the door with the printer's power on. After the PAPER/INK RIBBON indicator blinks, turn the power off.

**3. If the ink ribbon, print paper, or ink cassette can not be taken out, consult with your dealer.**

## CLEANING

Cleaning as indicated below will help maintain stable printer operation and extend the printer's life.

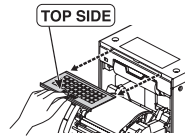
### PREPARATIONS FOR CLEANING

- 1 Press the **POWER** switch on the rear panel to turn on the power.
- 2 Press the **DOOR OPEN** button to open the door.
- 3 Remove the ink cassette.
- 4 Take out the print paper.
- 5 Press the **POWER** switch to turn off the power.

Make sure to turn off the power before cleaning.

### FILTER CLEANING

Take out the filter from the printer by pinching the tab as shown in the figure, then clean both sides of the filter with a vacuum. After completing cleaning, insert it to the end with the marking of "TOP SIDE" up.



### THERMAL HEAD CLEANING

#### Preparations

Alcohol (isopropyl alcohol)

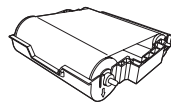
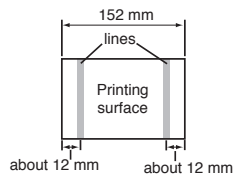
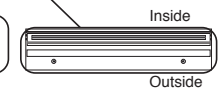
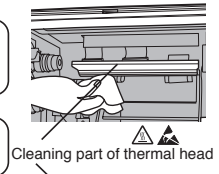
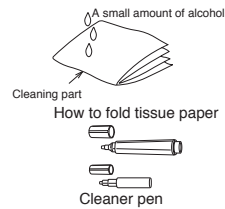
Tissue paper (Fold in half about four times, and use the folded side to clean.)

Other : Cleaner pen (option)\*, Cleaning ribbon (option)\*

\* Please ask the dealer about options.

When lines appear on the printed images, clean the thermal head.

Wipe the head cleaning part (as shown right) carefully with tissue paper dampened with a small amount of alcohol.



Cleaning ribbon (CR9800)

- NOTE**
- Do not damage the thermal head.
  - When the poor print quality is not corrected even if the head has been cleaned, replacement of the thermal head may be required. Contact your dealer.

- CAUTION**
- Thermal head is hot right after printing. Wait until the head cools before cleaning the thermal head.

- NOTE**
- The thermal head may be damaged if you touch it while static electricity builds up on your body.

#### ■ WHEN USING THE CLEANING RIBBON (CR9800)

When you use print paper of 152 mm (6") width after using that of 127 mm (5"), thermal head cleaning with a cleaning ribbon may be required.

If one or two lines appear on the printing surface as shown right when printing on the print paper of 152 mm (6") width, clean the thermal head using the optional cleaning ribbon.

Cleaning is not required when :

- you use print paper of 127 mm (5") width after using that of 127 mm(5"),
- you use print paper of 152 mm (6") width after using that of 152 mm(6"), or
- you use print paper of 127 mm (5") width after using that of 152 mm(6").

Print paper of 127 mm(5") width : 9x13 (3.5x5"), 13x18 (5x7")

Print paper of 152 mm (6") width : 10x15 (4x6"), 15x20 (6x8"), 15x23 (6x9")

- NOTE**
- When the symptom of poor print quality is not corrected even after the head is cleaned, replace the thermal head. Contact your dealer.

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### ROLLER CLEANING

#### Preparations

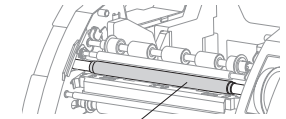
Alcohol (isopropyl alcohol)

Tissue paper (Fold in half about four times, and use the folded side to clean.)

Clean the black part of the roller.

Wipe the black part carefully with tissue paper dampened with a small amount of alcohol.

Wipe the whole roller by turning it.

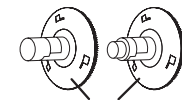


Roller

### PAPER FLANGE CLEANING

Clean the parts that contact the print paper sides as shown right.

Wipe the parts carefully with tissue paper dampened with a small amount of alcohol.



Cleaning part

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