

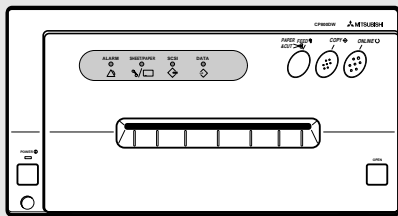


DIGITAL COLOR PRINTER

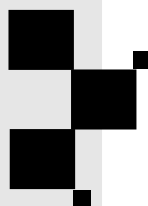
MODEL

CP800DW

OPERATION MANUAL



THIS OPERATION MANUAL IS IMPORTANT
TO YOU.
PLEASE READ IT BEFORE USING YOUR
DIGITAL COLOR PRINTER.



DIGITAL COLOR PRINTER

This digital colour printer complies with the requirements of the EC Directive 89/336/EEC, 73/23/EEC and 93/68/EEC.

The electro-magnetic susceptibility has been chosen at a level that gains proper operation in residential areas, on business and light industrial premises and on small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterised by their connection to the public low voltage power supply system.

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PRECAUTIONS

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SAFETY PRECAUTIONS

In the interest of safety, please observe the following precautions:

POWER REQUIREMENT

This Digital Color Printer is designed to operate on 120V, 60Hz AC in U.S.A. and Canada, 220-240V, 50Hz AC in Europe. Never connect to any outlet or power supply having a different voltage or frequency.

WARNING: THIS APPARATUS MUST BE EARTHED.

AVERTISSEMENT: CET APPAREIL DOIT ETRE MIS A LA TERRE.

PROTECTIVE MEASURES

IF ABNORMALITIES ARISE,

Use of the unit during emission of smoke or abnormal sounds (without adopting countermeasures) is dangerous. In such a case, unplug the power cord from the source outlet immediately, and request maintenance service from the sales dealer.

NEVER INSERT ANY OBJECT INTO THE UNIT

Foreign objects of any kind inserted into this unit constitute a safety hazard and can cause extensive damage.

DO NOT PLACE ANYTHING ON THE DIGITAL COLOR PRINTER

Heavy objects placed on the Digital Color Printer can cause damage or obstruct proper ventilation.

PROTECT THE POWER CORD

Damage to the power cord may cause fire or shock hazard. When unplugging, hold by the plug only and remove carefully.

DO NOT PLACE WATER CONTAINERS ON THE UNIT

Do not place flower vases, and other water-holding containers on the device. If, for some reason, water seeps to the inside of the unit, unplug the power cord from the source outlet, and contact the sales dealer. If used without corrective measures, the unit may be damaged.

"In the interest of safety, avoid handling of liquids near the unit."

DO NOT REMOVE THE CABINET

Touching internal parts is dangerous, besides, it may lead to malfunction. Contact the sales dealer to carry out internal checks and adjustments. Before opening the cover for eliminating a jammed paper, etc., be sure to disconnect the power cord plug.

UNPLUG THE POWER CORD DURING A LONG ABSENCE

Turn off the MAIN power switch and unplug the power cord during a long absence.

WHEN TRANSPORTING THE UNIT

When transporting the unit, remove the sheet cartridge and paper from the paper holder, and insert the protective cushion into its compartment. Make sure to screw the printing unit down.

BE CAREFUL AROUND PRINT PAPER EXIT SLOT

Don't insert your hand or any material into the paper exit slot during printing.

Don't touch the cutter blade inside the paper exit slot.

Otherwise, your finger will be injured.

DO NOT TOUCH THE THERMAL HEAD

Do not touch your hand to the thermal head (located inside the unit).

The thermal head is heated to high temperature.

This may cause injury.

BE CAREFUL WITH THE PRINTING UNIT

Don't move the unit while the printing unit is sliding out. This may cause injury.
Be careful not to catch your finger in the printing unit while the printing unit is being retracted into the unit.

CONNECTION CABLES

Use the provided power cord. When connecting the unit with an equipment with parallel data interface, use the parallel cross-over cable.

INSTALLATION LOCATIONS

MAINTAIN GOOD VENTILATION

Ventilation slots and holes are provided on the sides and bottom of this unit. Place the unit on a hard and level surface and at least 10cm from walls to insure proper ventilation. When putting the unit on the system rack, provide a space between the unit and the back of the rack.

UNSUITABLE LOCATIONS

Avoid shaky places or hot-springs areas where hydrogen sulfide and acidic ions are likely to be generated.

PLACES WITH HIGH HUMIDITY AND DUST

Do not place the unit at a high humidity and dusty locations. They can cause extensive damage to the printer. Avoid places where the unit is likely to be exposed to oily fumes and vapors.

PLACES NOT LIKELY TO BE EXTREMELY HOT

Places exposed to direct sunlight, or near heating appliances can attain extremely high temperatures, which may deform the cabinet, or can become a prime cause of damage.

PLACE THE UNIT ON A HORIZONTAL LEVEL

The printer performance is likely to be affected if it is placed in slanted conditions or in an unstable places.

PROTECT AGAINST DEW FORMATION

In extremely cold regions, if the unit is moved quickly from an extremely cold place to warmer one, dew is likely to be formed. If dew is formed, printing is not possible.

OPERATING AMBIENT TEMPERATURE RANGE

The operating ambient temperature range is 5°C-40°C and the humidity of 20-80%. These conditions must be maintained under any setup including system rack mounts.

FOR LONG OPERATING LIFE

UNSUITABLE MATERIALS FOR THE DIGITAL COLOR PRINTER

Coat flaking and deformation are likely to occur if the unit is wiped with chemical dusters, benzene, thinner or any other solvent, if rubber or PVC items are left in contact with the unit for extended duration, or if the unit is sprayed with insecticide.

CARE OF THE CABINET

Unplug and clean with a soft cloth slightly moistened with a mild soap and water solution. Allow to dry completely before operating. Never use petroleum base solutions or abrasive cleaners.

HEAD ABRASION

The thermal head, like the video head, wears out. When it is abraded, it becomes hard to print out fine details of the picture. In such a case, it is necessary to replace the thermal head. Consult with the sales dealer for replacing the head.

SAFETY PRECAUTIONS

CONNECTING DEVICES

Read thoroughly "Operating Precautions" of the instruction booklets for the devices connected with the Digital Color Printer. The power cord must be disconnected after printing is over.

CAUTION ON RELOCATING

When transporting this unit, make sure it is not likely to be subjected to impacts. They can be a prime cause for damage. Further, make sure to disconnect the power cord from the power outlet, and the cables from the connected devices.

OTHER CAUTIONS

Dust or other foreign matter adhering to the print paper or the sheet cartridge, or deformation resulting from exposure to extremely low or high temperatures could cause loss of color, uneven color or lines, or wrinkles in the print images.

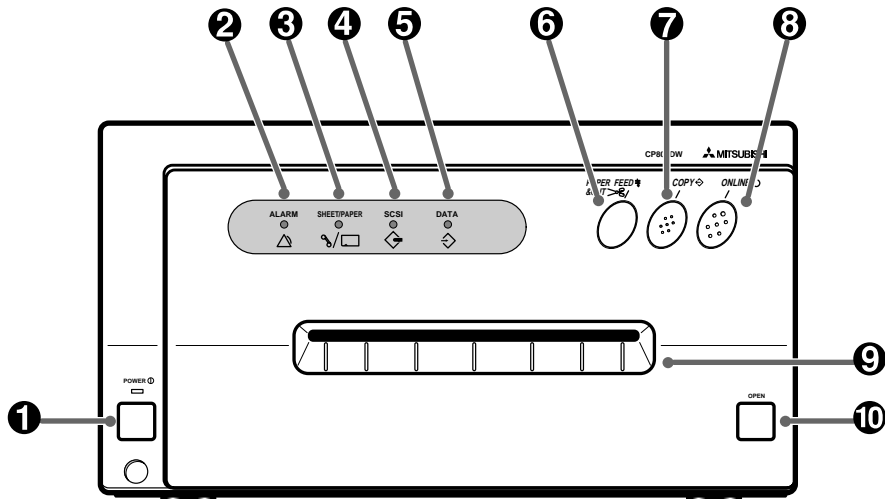
NOTE:

YOUR UNDERSTANDING IS REQUESTED FOR THE LOSS OF IMAGES IN MEMORY DUE TO THE SUDDEN OCCURRENCE OF A MALFUNCTION.

As for paper sheet set, refer to "Paper sheet set".

FEATURES & FUNCTIONS

FRONT PANEL



① POWER BUTTON

Press to turn on power. Press again to turn off power. When the power is turned on, the indicator illuminates.

② ALARM LAMP

When this unit is overheated, this indicator goes on and off. When other error occurs, it illuminates. See page 18.

③ SHEET/PAPER LAMP

Illuminates when ink sheets or print paper are used up or any trouble occurs in the sheet cartridge or print paper. See page 18 "INDICATION ON THE FRONT PANEL & COUNTERMEASURES".

④ SCSI LAMP

Illuminates when SCSI is selected (when OFF is selected) at the MODE switch No. 1 on the rear panel. When selecting PARALLEL (when ON is selected), the lamp is not lit.

⑤ DATA LAMP

Goes on and off during transferring data.

⑥ PAPER FEED & CUT BUTTON

Pressing this button, the print paper is fed and cut. When ON LINE indicator is lit, this button is not functional.

⑦ COPY BUTTON

Prints image from memory. When ON LINE indicator is lit, this button is not functional.

⑧ ON LINE BUTTON

Press to switch the PC connection between on and off line. When on line is selected, you can control this unit through your PC. When on line is selected, a lamp on this button illuminates. Press again to select off line. If you press ⑦ COPY button while holding down this button when the lamp on this button illuminates, this unit continues printing till the print paper is used up. Press ON LINE button to cancel continuous printing.

⑨ PRINT EXIT SLOT

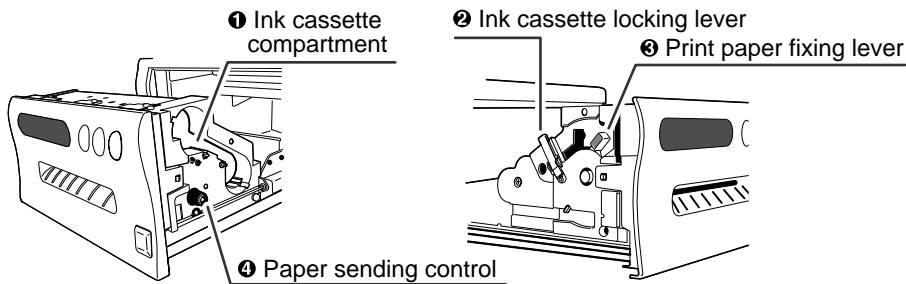
The printed paper come out here.

⑩ OPEN BUTTON

When this button is pressed, the printing unit advances to the front. The printing unit is used when installing ink cassette and print paper or overcoming paper jams.

FEATURES & FUNCTIONS

INSIDE OF PRINTING UNIT



① INK CASSETTE COMPARTMENT

Load the ink cassette here. Insert the cassette gently until it snaps into place.

② INK CASSETTE LOCKING LEVER

Push this lever to take the ink cassette out.

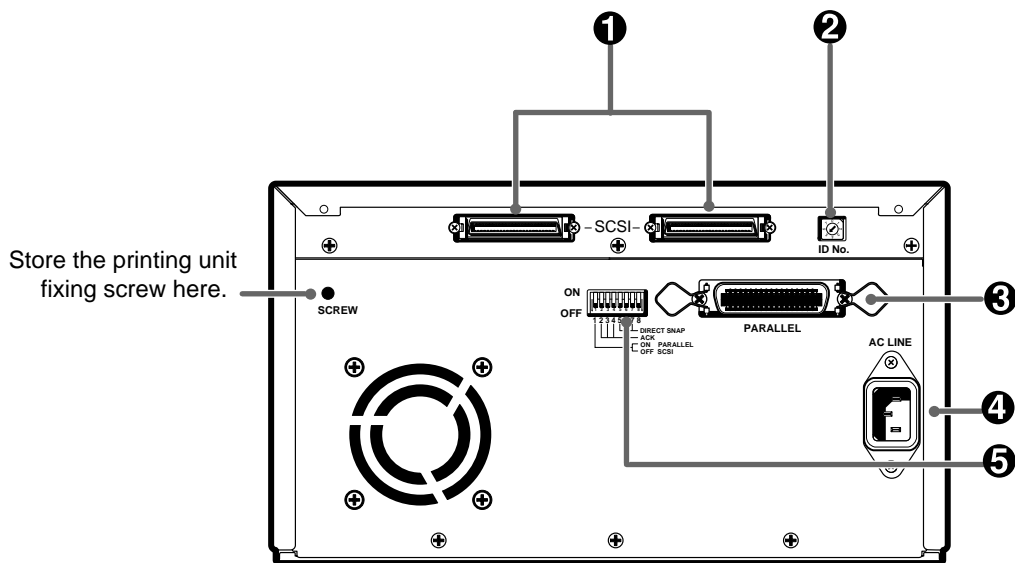
③ PRINT PAPER FIXING LEVER

Use this lever when inserting print paper.

④ PAPER SENDING CONTROL

Turn this control clockwise to rewind the print paper.

REAR PANEL



① SCSI PORT

Used to connect this unit to a SCSI device such as personal computers. See page 9.

② SCSI ID SWITCH

Used to set the SCSI ID number of the connected device. See page 9.

③ PARALLEL DATA PORT

Compatible parallel interface for Centronics®. For pin connections see the table on pages 7-8.

④ POWER SOCKET (AC LINE)

Connects to the provided power cord. Insert the cord firmly.

⑤ MODE SWITCHES

Used to set the time of the acknowledge signal, selection between PARALLEL and SCSI of the connected device, and direct snap setting. See page 10.

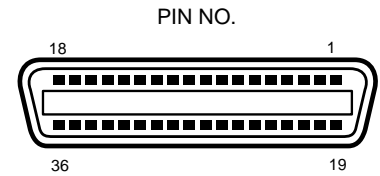
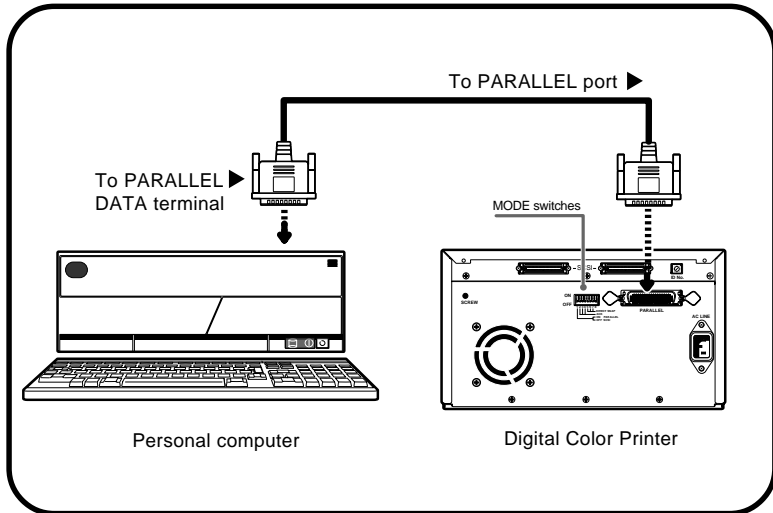
Centronics® is a registered trademark of Centronics Data Corporation.

CONNECTIONS

Make sure to turn off main power of the unit and other equipment before connection.

CONNECTION WITH PARALLEL DATA INTERFACE

CONNECTION



Connector :JD36SL equivalent
(36-pin)

Input level :TTL
PARALLEL input connector port
:signal allocation

See next page for PARALLEL
DATA SIGNALS.

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PARALLEL DATA SIGNAL

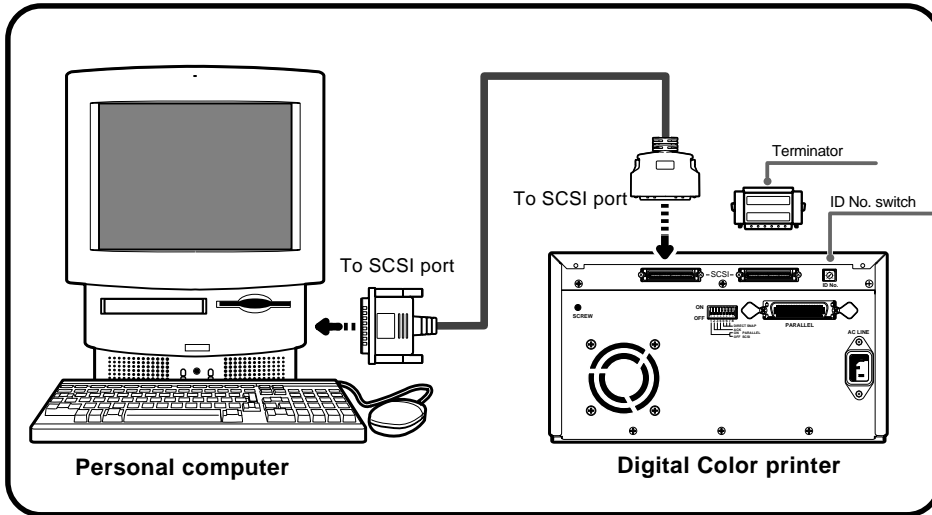
Pin No.	Return pin No.	Signal	From/to	Function
1	19	STROBE	PC/DCP	Strobe pulse for data reading. Incoming pulse width should be 0.5 ms minimum. At regular conditions, "High" data will be read after becoming "Low".
2 3 4 5 6 7 8 9	20 21 22 23 24 25 26 27	DATA1 (LSB) DATA2 DATA3 DATA4 DATA5 DATA6 DATA7 DATA8 (MSB)	PC/DCP PC/DCP PC/DCP PC/DCP PC/DCP PC/DCP PC/DCP PC/DCP	High: data 1 Low: data 0 Information will be expressed for parallel data of every signal from bit No.1 to No.8.
10	28	$\overline{\text{ACK}}$ (ACKNOWLEDGE)	DCP/PC	This signal is yielded after data input has ended by a data reception acknowledgment pulse.
11	29	BUSY	DCP/PC	High: DCP data is not accepted Low: DCP data is accepted The signal becomes "High" in the following cases; <ul style="list-style-type: none"> · Off line status · During data entry · During printing
12		P-E (PAPER END)	DCP/PC	High: No paper Low: Paper available
13		SELECT	DCP/PC	High: INPUT switch is PARALLEL and the ON LINE button is pressed ON Low: Other than above
16,17		GND		Earth
18		DC5V		
19-30, 33		for twist pair return		
32	$\overline{\text{FAULT}}$	$\overline{\text{FAULT}}$	DCP/PC	Low: Abnormal condition occurs in DCP (e.g. error due to paper jamming etc.)
14, 15, 34-36		NC		Unused
31	16	$\overline{\text{INT}}$ (INITIALIZE)	PC/DCP	Clears sending data. Incoming pulse width should be 100 ms minimum. At regular conditions, "High" data will be cleared after becoming "Low".

DCP : Digital Color Printer

CONNECTION WITH SCSI DATA SIGNAL EQUIPMENT

Make sure to turn off main power of the unit and other equipment before connection.
Set the MODE switch No. 1 to OFF (SCSI).

(CONNECTION)

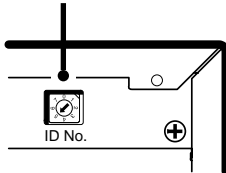


NOTE

When this unit is not connected to the other equipment through another SCSI port, make sure to attach a terminator on the SCSI port which is not used. See the operation manual of an equipment to be connected for attaching terminator.

■ Setting SCSI ID switch

SCSI ID switch



Select the ID number among 1 to 6.

Turn the arrow to set the ID number with a screwdriver.

The default setting is No. 5.

No. 7 is provided for personal computer you use and No. 0 is provided for a built-in hard disk.

Do not set the ID number to the same setting as the connected equipment.

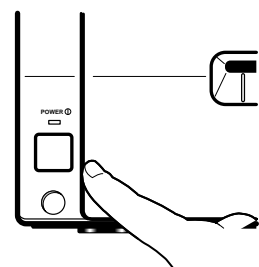
NOTE

Make sure to turn on the power again when SCSI ID number is changed with the power turned on.

■ Setting ON LINE status

1 Press POWER button to turn on this unit.

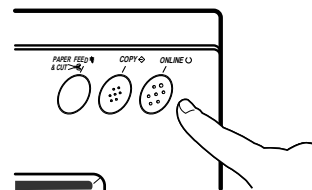
The lamp over the POWER button is lit.



CONNECTIONS

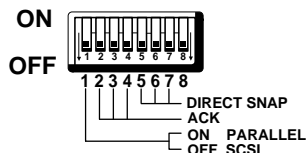
2 Turn on the power of the personal computer connected.

3 Confirm that ON LINE button on the front panel is lit.



SETTING MODE SWITCHES

Set the mode switches (DIP-SW) on the rear panel according to the connected device.



With the mode switch No.1, switch parallel or SCSI.

- ON PARALLEL
- OFF SCSI

With the mode switches No. 2, No. 3 and No. 4, set the time of acknowledge signal (ACK).

Refer to the operation manual of the connected personal computer for the set time.

Mode switch No.				ACK time
	2	3	4	
Switching position	OFF(down)	OFF(down)	OFF(down)	0.5µs
	OFF(down)	OFF(down)	ON(up)	1.0µs
	ON(up)	OFF(down)	OFF(down)	1.5µs
	ON(up)	OFF(down)	ON(up)	2.0µs
	OFF(down)	ON(up)	OFF(down)	2.5µs
	OFF(down)	ON(up)	ON(up)	3.0µs
	ON(up)	ON(up)	OFF(down)	3.5µs
	ON(up)	ON(up)	ON(up)	4.0µs

With the mode switches No. 5, No. 6 and No. 7, select the printing result when connecting with DS-300 (FUJIX digital camera).

Mode switch No.				Printing result
	5	6	7	
Switching position	OFF(down)	ON/OFF	ON/OFF	Normal print (Print connecting with a personal computer)
	ON(up)	OFF(down)	ON/OFF	Print image will not be enlarged.
	ON(up)	ON(up)	OFF(down)	Print image will be enlarged to 137.5%.
	ON(up)	ON(up)	ON(up)	Print image will be enlarged to 137.5% and white frame will be made around the image.

With the mode switch No. 8, set whether the surface lamination is applied or not.

ON The surface lamination is not applied. The printing speed will get faster due to the skipping surface lamination process.

OFF The surface lamination is applied. The printing speed is the standard speed.

- When this switch is set to ON, the printing speed will get faster due to the skipping surface lamination process. However, the life, light stability, moisture resistance and fingerprint resistance will be as the same level as the print paper without surface coating.

The default setting of the mode switches is OFF.

Make sure to turn on the power again when the mode switch setting is changed.

NOTE

- On the initializing function invalid status, when printing is interrupted by the command from the host computer, turn the power of this unit to OFF and clear the transferred data.

BEFORE OPERATION

Before printing,

1. Remove the fixed screw on the printing unit and the protective cushion. (pages 11-12)
2. Insert print paper to this unit. (pages 12-13)
3. Install the ink cassette to this unit. (pages 14-15)

PAPER SHEET SET

The following types of paper sheet sets are available.

Use our original consumable. We can not guarantee the failure of using others.

Print paper and ink sheet

Product name	Print paper size	No. of prints	Usage
CK800FL4P	L	60	Surface-laminated color print
CK800FS4P	S	100	Surface-laminated color print

REMOVING SCREW AND PROTECTIVE CUSHION

A protective cushion is inserted inside this unit. And the printing unit is fixed with a screw, therefore, remove them before using this unit.

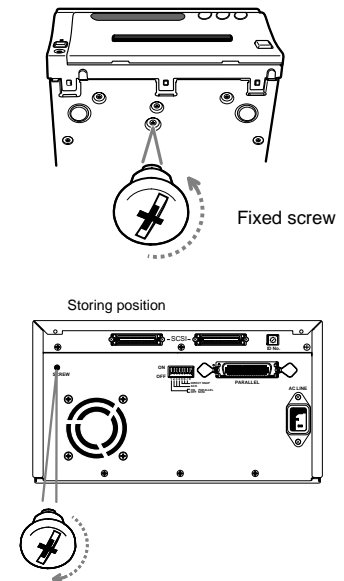
Removing the fixed screw on the printing unit

There is a fixed screw at the bottom of the printing unit.

- 1 Remove the screw with a screwdriver or a coin.

- 2 Fix the removed screw to the hole on the rear panel to keep.

Keep the removed screw by setting it to the hole on the rear panel. This screw is required when transporting this unit.



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BEFORE OPERATION

■ Removing the protective cushion

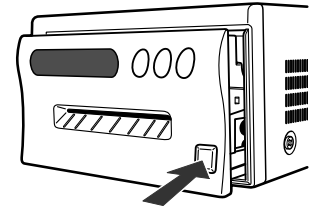
Unplug the power cord from outlet for safety.

1 Press OPEN button.

The printing unit advances to the front.

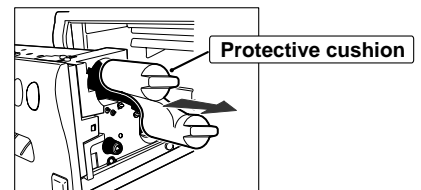
NOTE

Do not touch the thermal head.
Fingerprints or dust on the thermal head will degrade the print quality.



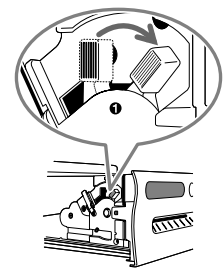
2 Pull out the protective cushion from the right side.

Keep the removed cushion. It is required when transporting this unit.



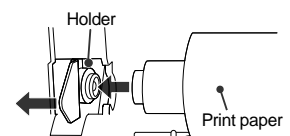
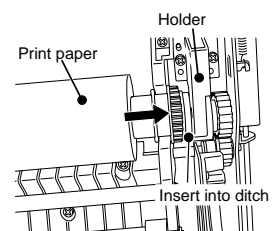
INSERTION OF PRINT PAPER

1 Move the knob on the printing unit to the direction indicated by the arrow.



2 Insert the print paper in the position as shown right.

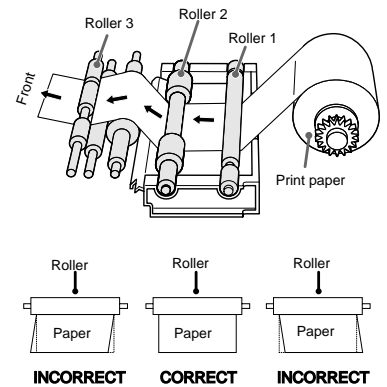
- Place the gear to the right side.
- To set the left side, press the holder in the unit and insert the print paper roller.



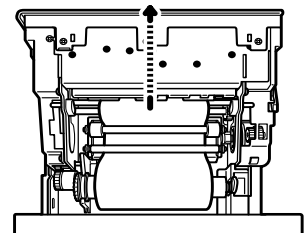
3 Insert the print paper between roller 1 and 2.

4 Insert the edge of the print paper to the roller 3.

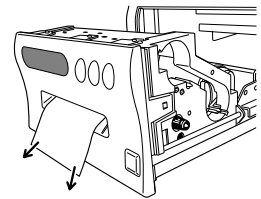
- Be sure to insert the paper straight.



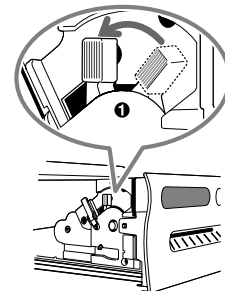
5 Feed the print paper through the paper outlet with your hand.



6 Pull the print paper to eliminate slack.



7 Move the knob on the side of the printing unit to the direction as indicated by the arrow.



NOTE

- If too much paper is fed, ALARM lamp may light. In this case, press PAPER FEED & CUT button.

INSERTION OF INK SHEET

■ INSTALLING THE INK SHEET

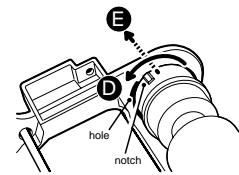
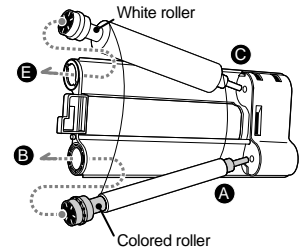
Install the ink sheet to the ink cassette before installing the ink cassette to the unit.

1 Put the colored roller of the ink sheet to the ink cassette. (A)(B)

2 Put the thin stick of white roller to the ink cassette. (C)

3 Put the thick stick of white roller to the ink cassette. (D)(E)

- On the (D) position, turn the roller and set the notch of the roller side to the hole of the cassette.
The roller can be installed when the notch is put through the hole.



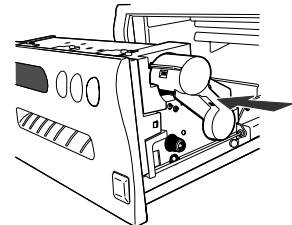
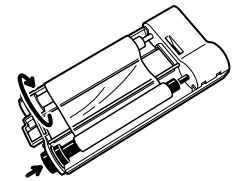
■ INSTALLING THE INK CASSETTE

1 Eliminate any slack of the ink sheet.

- Hold the colored roller and turn the white roller.

2 Insert the ink cassette with the ink sheet into its compartment.

- Insert the ink cassette with the knob side toward you until it is locked into place. When taking the ink cassette out of the compartment, press the ink cassette locking holder to release the lock. Refer to Page 6.



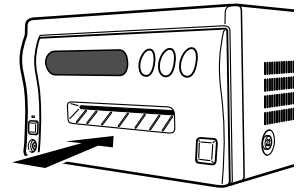
■ INSERT THE PRINTING UNIT

- 1 Push the printing unit until it is locked into place.
- 2 After plugging the power cord, press POWER button on the front panel.
- 3 Press ON LINE button to put out a lamp on the button.
- 4 Press PAPER FEED & CUT button.
 - The print paper is automatically cut after feeding about 10cm.
- 5 Repeat the above step 4.
 - Fingerprints and dust can be removed by feeding the print paper. The printing unit is initialized.
- 6 Press ON LINE button to turn on the lamp on the button.

NOTE

Do not feed the print paper more than 2 times. Doing so will not allow the number of prints indicated on page 11 to be printed.

The installation of print paper and ink cassette is completed.



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USAGE AND KEEPING OF PAPER SHEET SET

NOTE

- Fingerprints or dust on the paper's surface may degrade print quality and cause paper jams. Immediately after the paper is replaced, 2-3 images may be printed with a blank part due to hand's dust or oil.
- When print paper is rapidly transferred from a cool place to a hot place, vapor or dew will be generated on the paper's surface causing paper jams or degraded print quality. Leave the print paper in the room to stabilize its temperature before using it.
- When print paper and ink sheet runs out during printing, the printing operation stops and "SHEET/PAPER" lamp on the front panel is lit.
- If paper feeding is repeated while installing the print paper, the indicated number of prints may not be done.

■ AFTER PRINTING

Surface-laminated print paper which is durable and keeps picture quality is suitable for this unit. If using print paper without surface laminating, please pay attention to the following points.

- When the printed paper is touched by a wet hand, the print may be discolored.
- Fading may occur if the print-face is exposed to organic chemical agents which may affect print paper (e.g., alcohol, ester, ketone based). Fading will be accelerated upon contact with PVC-based materials (e.g., adhesive tapes, rubber erasers, etc.).

■ STORAGE

- Leaving the print paper in contact with PVC- based materials causes color of print paper to come off and to be stained.
- Never store print paper in places that are hot, humid or places exposed to direct sunlight, otherwise color will fade.

Keep print paper in a place where;

temperature : 5 – 40 C

humidity : 20 – 80 %RH

- If the print paper is installed for two or more days, the prints may be rolled after printing. There is no cause for alarm because the print paper is rolled on the inside of the printing unit.

INSTALLING PRINTER DRIVER

Printer driver is required to print the data from a personal computer connected with this unit.

CPD-04 and CPD-05 are supplied with this unit.

Product name	Operating conditions
CPD-01NT Version 2.4 or later	Applies for WindowsNT® Workstation operating system Version 4.0
CPD-04 Version 2.3 or later	Applies for Microsoft® Windows® 95 or later
CPD-05 Version 2.3 or later	Applies for Macintosh System 7.0 or later

Refer to the operation manual of the driver software or “Read me” for installing.

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INDICATION ON THE FRONT PANEL & COUNTERMEASURES

INDICATION ON THE FRONT PANEL

If for some reason printing is not possible or error occurs during printing, the indicator on the front panel will be lit. In this case, follow the procedure described below.

☺ : Lit : Not lit

ALARM	SHEET/PAPER	SCSI	DATA	Cause and Countermeasures	Page
	☺			Print paper is not set. Print paper is not set correctly. Print paper runs out during printing. *Note : 1 • Set the print paper correctly. The ink cassette is not installed. *Note: 2 • Install the ink cassette. The ink sheet is used up. • Replace the ink sheet with a new one.	12-13 14-15
☺ (goes on and off)				The temperature of the thermal head becomes too high. • Wait until the lamp goes off. *Note: 3	-
☺	☺			Paper jamming occurs. • Refer to "Overcoming paper jams".	20
☺				Other defects • When the ON LINE lamp is not lit, press PAPER FEED & CUT button. *Note: 4 If the status is not improved by carrying out this measure, consult your dealer.	12-13

*Note 1 : When the print paper runs out, the image is not printed completely.

*Note 2 : The lamp goes on and off after transferring data and just before starting printing operation.

*Note 3 : When setting the continuous printing, the continuous printing is carried out after the lamp goes off.

*Note 4 : When the printing unit is pulled out, PAPER FEED & CUT button is invalid.

After pushing the printing unit until it is locked into place, press the PAPER FEED & CUT button.

When this error occurs during printing on L size paper, carry out this procedure twice.

BEFORE CALLING FOR SERVICE

Symptom	Check & Remedy	Reference page
No power	<ul style="list-style-type: none"> Is the power cord plug disconnected from the outlet? Connect the power cord plug to the outlet firmly. 	-
The image is not printed.	<ul style="list-style-type: none"> Is the image data sent to this unit? Confirm that the image data is sent to this unit. Is the print paper or ink sheet used up? Check the status. Is the printing unit set correctly? Set the printing unit correctly. 	7-10 12-15 15
The image stored in the memory can not be enlarged to the possible print area.	<ul style="list-style-type: none"> Is the image data of L-size transferred? Check the status. Is the large size ink sheet installed when transferring the image data of L-size? Set the ink sheet correctly. 	- -
The image can not be transferred.	<ul style="list-style-type: none"> Is the ON LINE lamp lit? Check the status. 	5
COPY button does not work.	<ul style="list-style-type: none"> Is the ON LINE lamp lit? Press the ON LINE lamp to turn off the lamp. 	5

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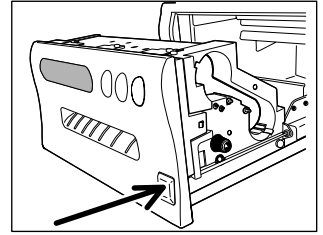
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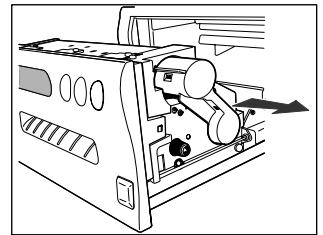
OVERCOMING PAPER JAMS & OTHER BLOCKAGES

1 Press OPEN button to pull out the printing unit.



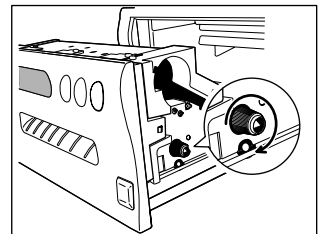
2 Take out the ink cassette.

- Push the ink cassette locking lever to unlock the ink cassette. (See page 6.)



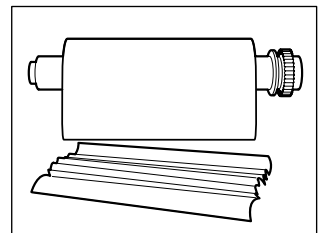
3 Turn the knob on the right side of the printing unit clockwise.

- Roll up the print paper completely.



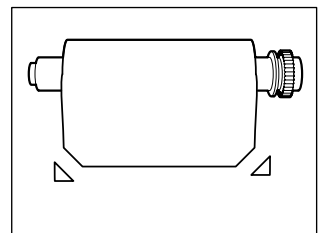
4 Remove the print paper.

5 Cut the defective part of print paper with scissors.



6 Cut both edges of the print paper.

7 Install the print paper and ink cassette with the ink sheet. (See pages 12 to 15.)



NOTE

This unit can detect the amount of paper remaining through the personal computer connected. If you overcome paper jam during using the function, please follow the following procedures.

- 1** Confirm that the lamp on ON LINE button is lit.
(If the lamp is not lit, press ON LINE button to have it illuminated.)
- 2** Press PAPER FEED & CUT button, holding down ON LINE button.
With this procedure, the counter for paper remaining will not be reset.

SPEC & OPTIONS

SPECIFICATIONS

Class	Digital Color Printer		
Model	CP800DW		
Printing method	Sublimation Dye Thermal Transfer line print		
Print quality	Print's resolution 1280 pixels x 1040 lines (S size) 1280 pixels x 1768 lines (L size) Gradations 256 for each color		
Printing time	L size : Approx. 69sec/sheet (Surface-laminated paper) S size : Approx. 43sec/sheet (Surface-laminated paper)		
Ink-sheet	Special cartridge method 3 color faces progressive printing (yellow, magenta and cyan)		
Print paper	Special roll paper L size 127 x 178mm Printing area 127 x 178mm (max.) S size 127 x 102mm 127 x 102mm (max.)		
Supply method	Automatic		
Input/Output terminal	Micro mini 50 pin	Parallel data interface (36 pin)	
Power supply	AC 220-240V, 50/60Hz AC 120V, 50/60Hz		
Power consumption	1.0A (220-240V AC, 50Hz), 1.6A (120V AC, 60Hz) during printing		
Operating conditions	Temperature : 5 C - 40 C	Humidity : 20 - 80% (no dewing)	
Installation conditions	Operating attitude : Horizontal -5		
Outside dimensions	280(W) x 150(H) x 398(D) mm		
Weight	14.5kg		
Standard accessories	Power cords (for 120V and 220V), Ink cassette, Spacer(4), Operation manual, Sheet "Installing print paper and ink sheet", SCSI Terminator, Printer driver (CPD-04, CPD-05), Label for MODE switch		

OPTIONS

PRINT PAPER AND INK SHEET

Product name	Print paper size	No. of prints	Usage
CK800FL4P	L	60	Surface-laminated color print
CK800FS4P	S	100	Surface-laminated color print

PRINTER DRIVER

Product name	Operating conditions	Usage
CPD-01NT	Applies for Windows NT®	For Windows NT® Version 4.0

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