

# **DNP**

**DIGITAL PHOTO PRINTER**

**DP-DS620 Series**  
**DP-DS820 Series**

**User's Manual**

# WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

This apparatus must be earthed.

For pluggable equipment, the socket-outlet be installed near the equipment and shall be easily accessible.

To disconnect the main power, unplug the AC IN connector.

This unit has no power switch.

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.

## Warning on power connection

Use a proper power cord for your local power supply.

1. Use the approved Power Cord (3-core mains lead) /Appliance Connector / Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
2. Use the Power Cord (3-core mains lead) / Appliance Connector /Plug conforming to the proper ratings (Voltage, Ampere).

If you have questions on the use of the above Power Cord/Appliance Connector/Plug, please consult a qualified service personnel or the distributor.

## For the Customers in Europe

This product shall not be used in the residential area.

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Hereby, [Dai Nippon Printing Co., Ltd.] declares that the radio equipment type [DP-DS620 / DP-DS820] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.dnpphoto.eu/en/home>

frequency band in which the radio equipment operates;

13.56 MHz±7 kHz

maximum radio-frequency power transmitted in the frequency band in which the radio equipment operates;

40.6 dBuV/m at 3 m

If you want to dispose this product, do not mix with general household waste.

There is a separate collection system for used electronics products in accordance with legislation under the WEEE Directive and is effective only within European Union. For details, consult your dealer.



## For kundene i Norge

Dette utstyret kan kobles til et IT-strømfordelingssystem.



italiano

Il fabbricante, [Dai Nippon Printing Co., Ltd.], dichiara che il tipo di apparecchiatura radio [DP-DS620 / DP-DS820] è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:  
<http://www.dnpphoto.eu/en/home>

български

С настоящото [Dai Nippon Printing Co., Ltd.] декларира, че този тип радиосъоръжение [DP-DS620 / DP-DS820] е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: <http://www.dnpphoto.eu/en/home>

čeština

Tímto [Dai Nippon Printing Co., Ltd.] prohlašuje, že typ rádiového zařízení [DP-DS620 / DP-DS820] je v souladu se směrnicí 2014/53/EU.

Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:  
<http://www.dnpphoto.eu/en/home>

dansk

Hermed erklærer [Dai Nippon Printing Co., Ltd.], at radioudstyrstypen [DP-DS620 / DP-DS820] er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:  
<http://www.dnpphoto.eu/en/home>

magyar

[Dai Nippon Printing Co., Ltd.] igazolja, hogy a [DP-DS620 / DP-DS820] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek.

Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:  
<http://www.dnpphoto.eu/en/home>

Nederlands

Hierbij verklaar ik, [Dai Nippon Printing Co., Ltd.], dat het type radioapparaat [DP-DS620 / DP-DS820] conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <http://www.dnpphoto.eu/en/home>

polski

[Dai Nippon Printing Co., Ltd.] niniejszym oświadczam, że typ urządzenia radiowego [DP-DS620 / DP-DS820] jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:  
<http://www.dnpphoto.eu/en/home>

português

O(a) abaixo assinado(a) [Dai Nippon Printing Co., Ltd.] declara que o presente tipo de equipamento de rádio [DP-DS620 / DP-DS820] está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:  
<http://www.dnpphoto.eu/en/home>

Română

Prin prezenta, [Dai Nippon Printing Co., Ltd.] declară că tipul de echipamente radio [DP-DS620 / DP-DS820] este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:  
<http://www.dnpphoto.eu/en/home>

suomi

[Dai Nippon Printing Co., Ltd.] vakuuttaa, että radiolaitetyypin [DP-DS620 / DP-DS820] on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: <http://www.dnpphoto.eu/en/home>

svenska

Härmed försäkrar [Dai Nippon Printing Co., Ltd.] att denna typ av radioutrustning [DP-DS620 / DP-DS820] överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:  
<http://www.dnpphoto.eu/en/home>

## **For the Customer in USA**

### **FCC CAUTION**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

Caution: Use shielded cables to connect this computers. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

## **For the customers in Canada**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## **For the Customers in Oceania**

This instrument is an EMC class A product. In a domestic environment this product may cause radio interference in which case the user needs to take adequate measures.

## **Türkçe**

AEEE Yönetmeliğine Uygundur

## **For the customers in Thai**

This telecommunication equipment is in compliance with NTC requirements.

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## Safety precautions

Note that the contents of directions for use and safety precautions correspond to the safety standards as of the time this manual has been created.

## Remodeling

For safety, do not remodel this product after purchase.

## Copyright

Copyrights, trademarks or any other intellectual property rights whatsoever that pertain to documents, programs or other items provided with this product, are ascribed to Dai Nippon Printing Co., Ltd., or the respective other holders of rights. Except in cases permitted by applicable laws, these may not be duplicated or used without consent from Dai Nippon Printing Co., Ltd.

## About DP-DS620 Series

“DP-DS620 Series” includes the names of “DP-DS620” and “DP-DS620 (A)”.

The name depends on the shipping destinations.

## About DP-DS820 Series

“DP-DS820 Series” includes the name of “DP-DS820”, “DP-DS820 (A)”, “DP-DS820 (bk)” and “DP-DS820 (bw)”.

The name depends on the shipping destinations.

## About the product destination

You cannot resale/use the DP-DS620/DP-DS820 without destination number (A) in the U.S.

## Introduction

Thank you for purchasing this product.

This document explains how to handle and operate this product.

Please read this document carefully before use.

Be sure to read "For Safe Operation" (P.6-8), and operate the product correctly.



## For Safe Operation

Be sure to read this document before using the product. After reading, keep it in a safe place where it can be easily accessed as needed.

The warnings listed here are to ensure proper use of the product, to prevent physical injury to the customer or other persons, and to prevent property damage. Please follow these warnings.




### Warnings and Cautions

The possible levels of injury or damage due to misuse are categorized below as Warnings and Cautions, according to the degree of danger involved.

 <b>Warning</b>	Accidents caused by failure to heed the warnings accompanying this symbol may lead to serious or fatal injury.
 <b>Caution</b>	Accidents caused by failure to heed the cautions accompanying this symbol may lead to physical injury or property damage.

### Symbols

The symbols shown have the following meanings:






	This symbol indicates warning and caution messages. The warning content is indicated in or near the symbol.
	This symbol indicates prohibited actions. The prohibited action is indicated in or near the symbol.
	This symbol indicates necessary actions or instructions. The action is indicated in the symbol.



## Warning

	<ul style="list-style-type: none"> <li>• This unit has no power switch. When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.</li> <li>• Use the product only with the designated voltage and frequency. Improper connection may cause electric shock or fire.</li> <li>• Avoid connecting too many devices to the outlet used for this product and using extension cords. The outlet may overheat and cause a fire.</li> <li>• Do not damage, cut, bundle, or alter the power cord. Also, the cord may be damaged if heavy objects are placed on it, or if pulled or bent with excessive force, and it may cause a fire.</li> <li>• Do not install the product in places with salinity or corrosive gases in the air. This may cause a fire.</li> <li>• Do not block the vents of the product. Heat may build up in the product and cause a malfunction or fire.</li> <li>• Do not stand on or place heavy objects on the product. Also, do not apply excessive force on the buttons, switches, terminals, etc. This may damage the product and cause injury to the user or other people.</li> <li>• Store the bag of the product out of the reach of children. It may cause suffocation if placed over the head.</li> <li>• Be careful not to injure yourself or damage other things on the edges of the product.</li> <li>• Do not use this product for applications involving human life (such as medical, space, aeronautic, or other applications that require extreme reliability).</li> </ul>
	<ul style="list-style-type: none"> <li>• The DP-DS620 Series weighs 12 kg (26.46 lbs.) and the DP-DS820 Series weighs 14 kg (30.86 lbs.). When moving it, lift it in a way that avoids excessive physical stress. Lifting recklessly or dropping the product may cause physical injury.</li> <li>• Place the product as close to an outlet as possible to be able to easily unplug the power cord in case of problem.</li> <li>• If there is dust on the plug, clean it off thoroughly. It may cause an electric shock or a short circuit.</li> <li>• If metal objects or liquids have fallen into the product, or if there is smoke, a strange odor, or any other abnormality, immediately unplug the power cord, and then contact a service representative. Do not continue using the product if it is damaged or not operating properly. This may cause an electrical shock, a short circuit, a fire, or damage the product.</li> </ul>
	<ul style="list-style-type: none"> <li>• Be sure to ground the product. Otherwise, a short circuit may occur, causing an electric shock or fire.</li> </ul>
	<ul style="list-style-type: none"> <li>• Do not plug or unplug the cord with wet hands. This may cause an electric shock.</li> </ul>
	<ul style="list-style-type: none"> <li>• Do not open the product, disassemble internal parts, or modify the product. It may cause an electric shock, fire, or injury, or a product malfunction. For internal check-ups, adjustments, or repair, please contact a service representative.</li> </ul>

## **Caution**

	<ul style="list-style-type: none"> <li>• Do not install the product in dusty or humid places. This may cause fire or an electric shock, or damage the product.</li> <li>• Do not install the product on an unstable surface. It may fall and cause injury to the user or other people.</li> <li>• Do not allow foreign objects to enter into the product. They may cause an electric shock, a short circuit, a fire, or damage the product. If something falls into the product, immediately unplug the power cord, and then call a service representative.</li> <li>• Do not open the cover while printing. This may damage the product.</li> <li>• Do not spill or spray liquids or chemicals onto the product.</li> <li>• When cleaning the cover, do not use thinner, trichloroethane, benzene, ketone-based cleaners, or chemically treated cloths. They could discolor or deteriorate the cover.</li> </ul>
	<ul style="list-style-type: none"> <li>• Take care to not cut, scratch, or hurt your hands the edges of the paper or on any sharp edges within the printer.</li> <li>• When putting your hands into the printer for removing the jammed paper or cleaning, use safety lint-free gloves or other proper protective clothing to prevent injury.</li> <li>• At least once a year, unplug the power cord, and clean the prongs and the plug. If dust accumulates, it may cause a fire.</li> <li>• When printing continuously for long periods in a small room, be sure to ventilate the room properly.</li> <li>• If you intend to use the product on a transportation vehicle (train, truck, ship, etc.), please talk to a representative in advance.</li> <li>• When disposing of the product, accessories, packaging materials, or media (paper, ribbon), please abide by local waste removal ordinances. For details, contact your local government offices.</li> </ul>
	<ul style="list-style-type: none"> <li>• When unplugging the cord, always grip the plug. Do not pull on the cord as it may damage the cord and cause an electric shock or fire.</li> <li>• When moving the product, be sure to unplug the power cord. Otherwise, the cord may be damaged, which may cause fire or an electric shock.</li> <li>• For safety, when not using the product for an extended period of time, be sure to unplug the power cord. Otherwise, it may cause an electric shock, fire, or a malfunction.</li> </ul>
	<ul style="list-style-type: none"> <li>• Parts with this warning get extremely hot. Do not touch these parts after printing. There is a danger of burns.</li> </ul>
	<ul style="list-style-type: none"> <li>• Do not touch the gear mechanisms. There is a danger of injury if fingers get caught in spinning gears.</li> </ul>

## Caution for installation

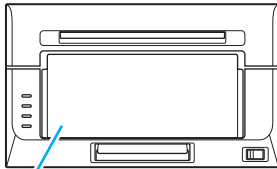
- Before using the product, read “For Safe Operation” carefully and observe the instructions therein.
- Use care when moving the product. Never try to carry the product alone. Dropping it may cause injury or property damage.
- Do not use or store the product near a fire, humid places, in direct sunlight, near an air conditioner or heater, or any other location with unusually high or low temperature, strong humidity, or excessive dust.
- Do not place the product where chemical reactions occur, such as in a laboratory.
- Do not install the product where there is salinity or corrosive gas in the air.
- The product must be installed on a firm, level surface where there is ample ventilation.
- Do not put anything on top of the product.
- Do not use the product near a radio or television, and do not use the same wall outlet for the product and a radio or television. Otherwise radio or television reception may be adversely affected.
- Do not use a power voltage or a frequency other than those specified.
- Do not put anything on the power cord or step on it.
- Do not drag or carry the product by the power cord or the USB cable.
- Avoid plugging the power cord into an outlet with many other cables connected.
- Do not bundle the power cord.
- Always grip the plug housing, not the cord, to plug or unplug the power cord.
- Always unplug the power cord before connecting or disconnecting the USB cable.
- Avoid using a long USB cable or connecting it to any noise-producing device. If it is unavoidable, use a shielded cable or twisted pair for each signal.
- Use a shielded USB cable compatible with the USB 2.0 specifications.
- Place the product near the outlet where the power cord can be unplugged easily to shut the power off.
- Use an AC outlet that accepts a three-pronged plug. Otherwise, there may be a danger of electric shock.
- Do not use the cord set supplied with the printer for other devices.
- Use the cord set supplied for the product.
- This product is not intended for use in the immediate/direct visual field of the display work place. To avoid disturbing reflections on the display work place, this product shall not be placed in the immediate/direct field of vision.
- Use as a network printer is not anticipated. Any use in conjunction with a network will be the customer's sole responsibility.



# Printer Installation

## Checking the contents

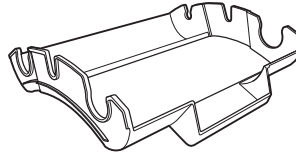
Check that the printer and all the following accessories are included in the package.



Printer unit

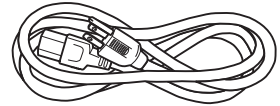
Scrap box

\* The shape differs depending on the country, region or the application.  
(DP-DS620 Series only)

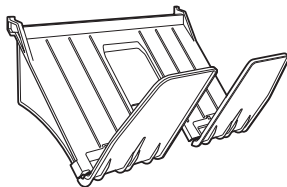


Ribbon cassette

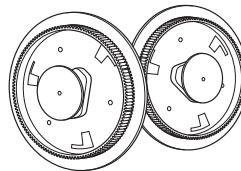
\*Set in the printer.  
Remove the wrapping  
before using them.



Power cord

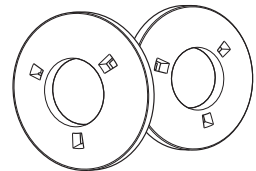


Paper tray for  
(3.5 x 5") [L] and (4 x 6") [PC]  
(DP-DS620 Series only)

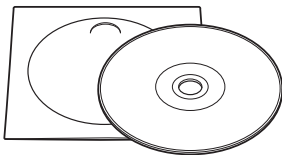


Paper holder

\*Set in the printer.



L size spacer  
(DP-DS620 Series only)



CD-ROM

Printer Driver User's Manual



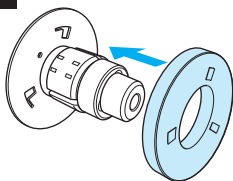
Explanation booklet

For Safe Operation  
Start up guide

### L size spacers installation (DP-DS620 Series only)

Install the L size spacers to the paper holders when using (3.5 x 5") [L] or (5 x 7") [2L] paper rolls.

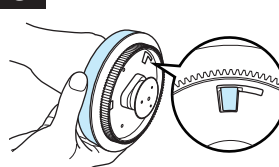
1



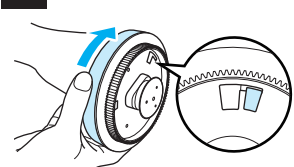
2



3



4



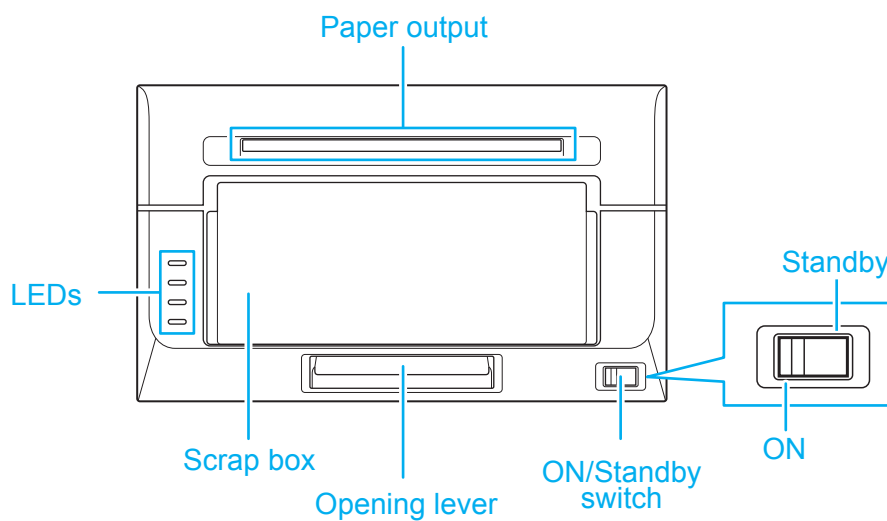
### ⚠ Caution

- Pay particular attention when removing the product from its package, carrying it, or moving it. Dropping the printer may result in personal injury or property damage.
- Do not lift the printer by grasping the wrapping materials. The materials may break and cause the printer to fall.
- Do not put your fingers between the paper holders and the L size spacers. Otherwise, you may get injured. (DP-DS620 Series only)
- The scrap box, paper holder, and the ribbon cassette are all specific to the respective DP-DS620 Series and DP-DS820 Series. Please do not switch them for use in the opposite printers.

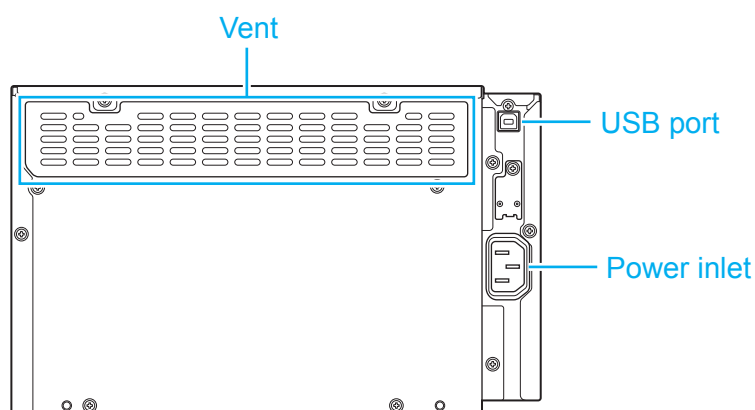


## Name of components

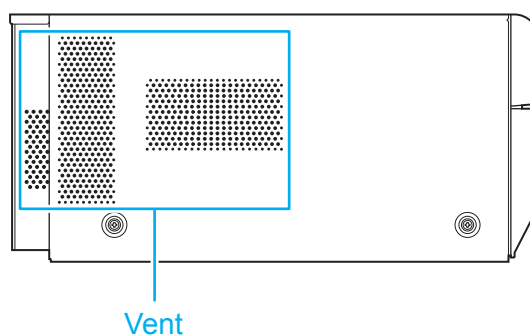
### Front of the unit



### Back of the unit



### Side of the unit

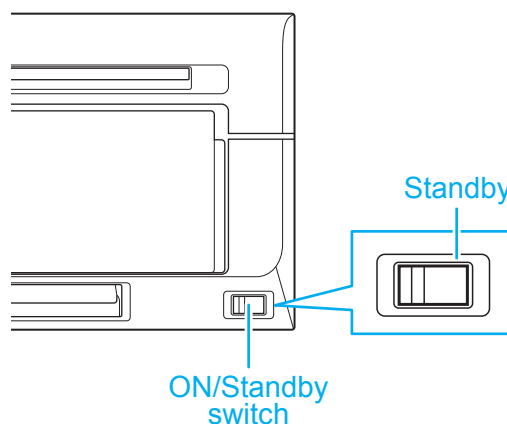


### Caution

- Be careful not to hurt yourself or damage anything on the edges of the printer.

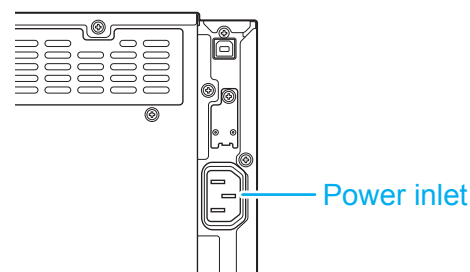
## Connecting the power cord and a computer

- 1 Make sure that the ON/Standby switch of the printer unit is set to Standby.



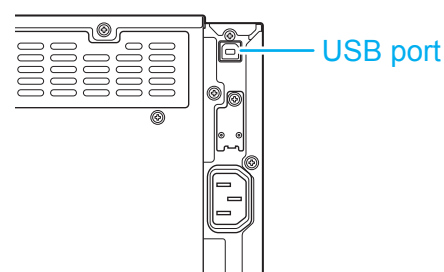
- 2 Make sure that the power switch of the computer is set to OFF.

- 3 Plug the connector of the power cord (supplied) into the printer power inlet.



- 4 Plug the power cord into an outlet.

- 5 Connect the printer and the computer with a USB cable.



- 6 Set the ON/Standby switch of the printer unit and the power switch of the computer to ON.

### Caution

- Use the power cable supplied with the printer, and be sure to connect the ground wire.
- Use a shielded USB cable compatible with the USB 2.0 specifications. Otherwise unexpected troubles may arise.

## Paper (Paper Holder), Ribbon (Ribbon Cassette)

Prepare the media (paper, ribbon) with the following widths.

Type	DP-DS620 Series		DP-DS820 Series	
	(5 x 7") [2L]	(4 x 6") [PC], (6 x 8") [2PC], (6 x 9")	(8 x 10"), (8 x 12")	(A4)
Paper (Paper holder)				
	Width : 127 mm	Width : 152 mm	Width : 203 mm	Width : 210 mm
Ribbon (Ribbon Cassette)				
	Width : 134 mm	Width : 159 mm	Width : 217 mm	

\* There are 2 kinds of media in DP-DS820 Series. Please prepare necessary media.

DP-DS820 Series			
Type	The feature	How to distinguish	
		Paper	Ribbon
Digital (SD)	Standard quality paper. Suitable for any application.	 DNP DIGITAL PAPER	 Gray Cap
Pure Premium Digital (PP)	High quality paper. Suitable for high quality print such as portrait and wedding.	 DNP PURE PREMIUM DIGITAL PAPER	 Black Cap

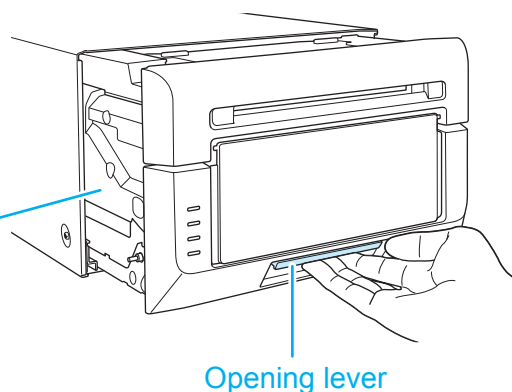
### ⚠ Caution

- Set the paper and ribbon without putting them directly on the work surface. If dust or dirt adheres to the media when setting it inside the printer unit, it may adversely affect the print quality.

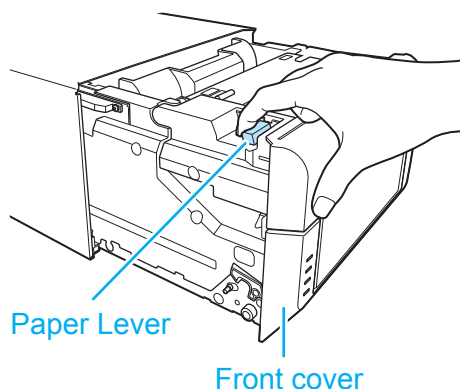
## Setting the media (paper, ribbon)

- 1 Use the opening lever to open the lock, and then pull out the mechanism unit.

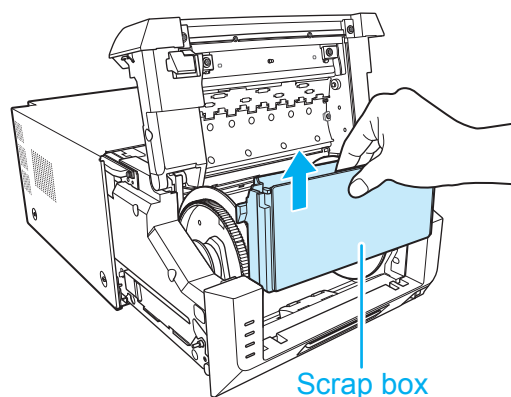
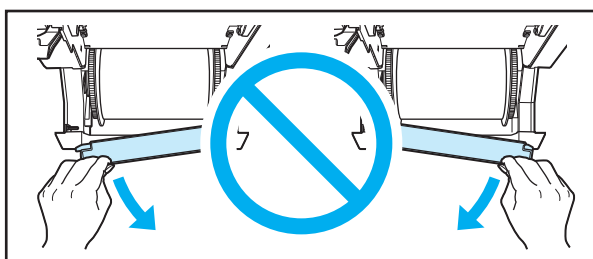
Mechanism unit



- 2 Lift the paper lever and raise the front cover.



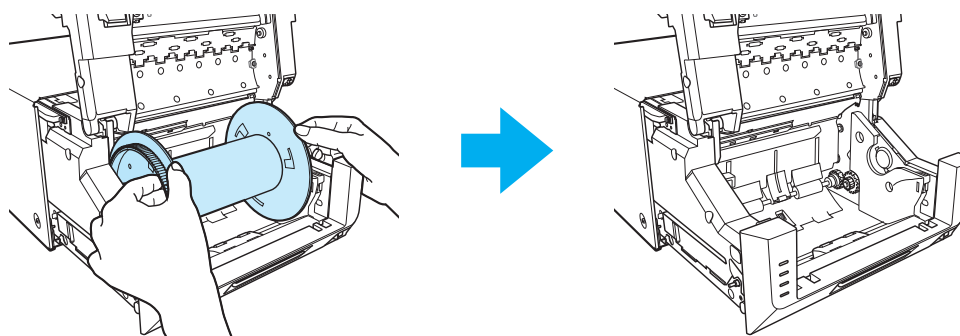
- 3 Hold the center of the scrap box and lift it up straight.



### Caution

- Do not apply too much strength when pulling the mechanism unit out. If detached, the mechanism unit may fall and cause an injury or damage to surrounding objects.
- Never remove the scrap box diagonally. The scrap box may be damaged and the product may not operate normally.
- When the scrap box has been removed, do not touch the cutter on the upper part or you may be cut.
- In order to facilitate color adjustment, media type recognition, and print quantity management, an IC chip is included in the ink ribbon. Note that a ribbon with an IC chip that has not been evaluated and approved may not function properly. (If correct data cannot be read from the IC chip, an alarm will sound. In such a case, ink concentration levels will be lowered in order to protect the product.)

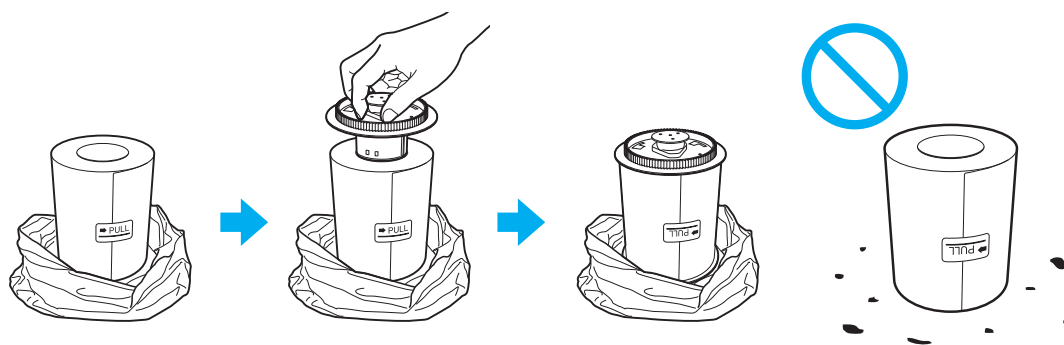
#### 4 Remove the paper holder from the printer.



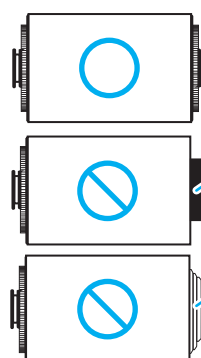
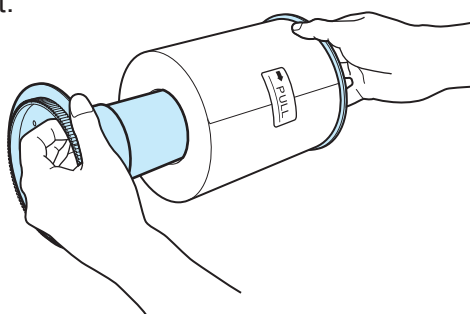
- When removing the paper holders to change the paper roll etc., make sure to place them on the clean surface. Never place them directly on the table or work spaces. If dust or dirt adheres to the media when setting the paper holder inside the printer unit, it may adversely affect the print quality.

#### 5 Remove the old paper roll from the paper holder, and then set the new paper roll ensuring there are no gaps.

- When setting the media, make sure to use the plastic bag or sheet covering the media. Never put it directly on the table, floor or work spaces.



If the paper protrudes, remove the roll from the paper holder and set the edge face of paper flat.



Set the roll so that there are no gaps.

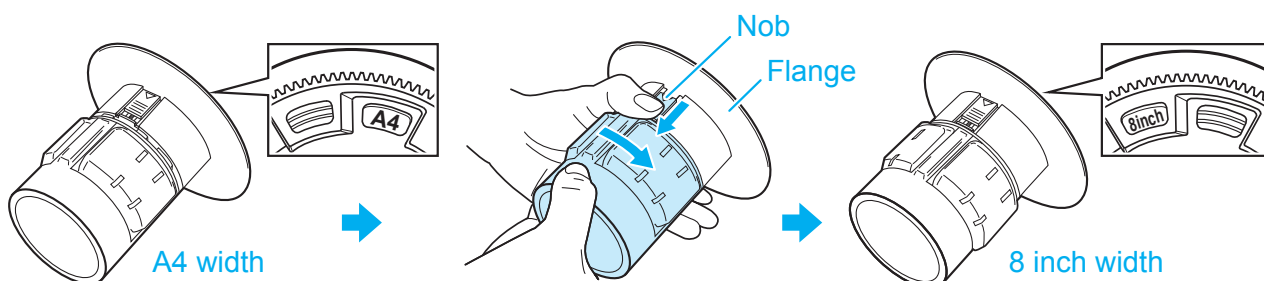
Set the paper so that it does not protrude from the roll.

#### Caution

- The paper holders with a new paper roll set on it weigh approximately 2.0 kg. Do not let them fall as they may cause physical injury or damage to the paper holders.

You can change the paper width of the paper holder (DP-DS820 Series only).

Move the flange by rotating the paper holder while pulling the nob as shown in the figures to switch between A4 and 8 inch widths. Reverse the procedure to change from 8 inch width to A4 width. Use both paper holders set to the same width.

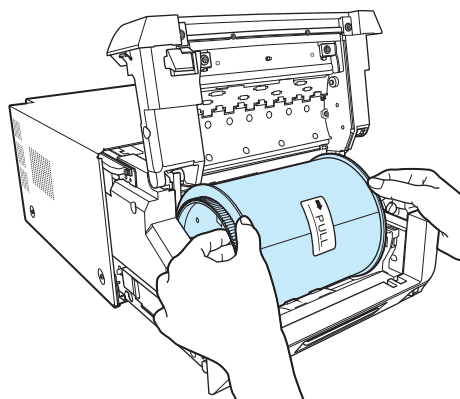


### Caution

- Do not put your fingers into gap on paper holder when you change the paper width of paper holder from A4 to 8 inch. Otherwise, you may get injured.

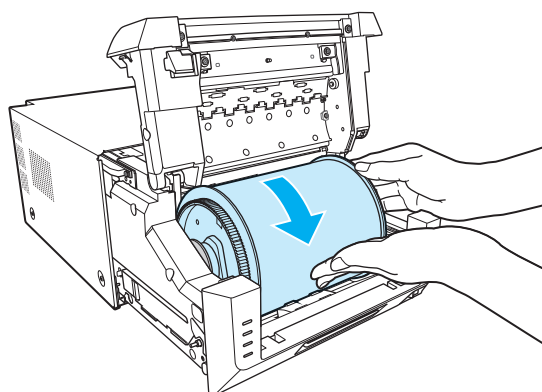
### **6** Set the paper holder into the printer.

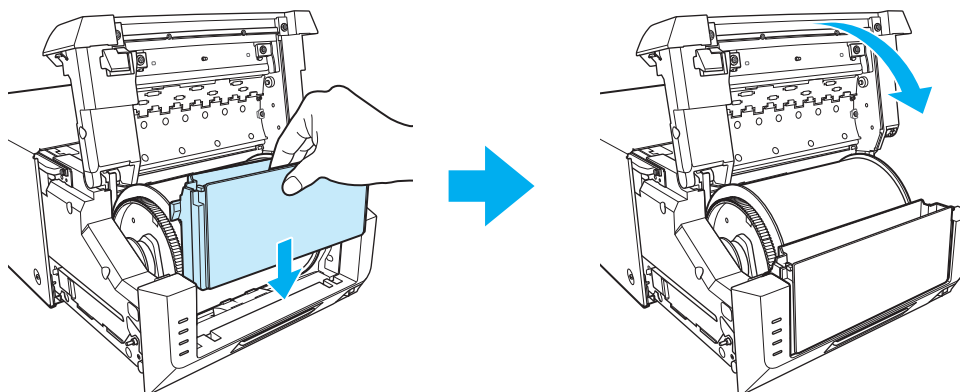
Set the seal on the paper (→PULL) in the same direction as show on the right.



### **7** While pressing the paper holder, rotate the paper in the direction of the arrow and advance the leading edge until the buzzer beeps.

The flashing LED (orange) turns off.

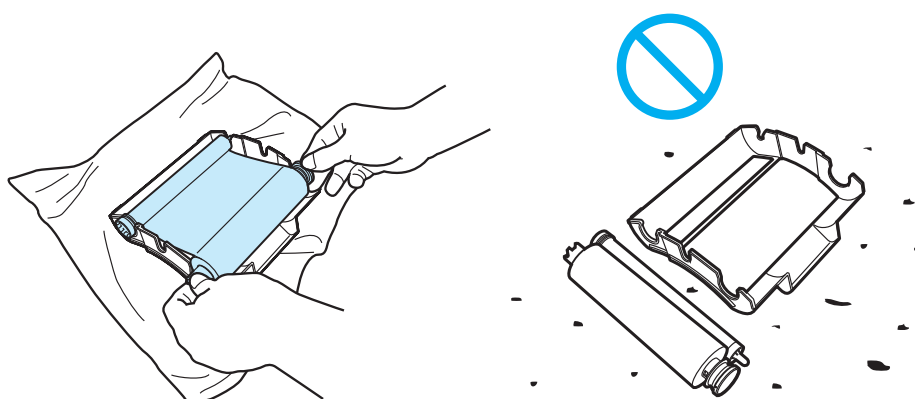


**8 Set the scrap box and close the front cover.**

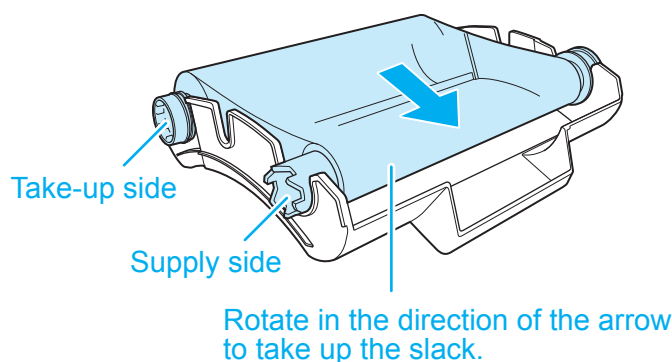
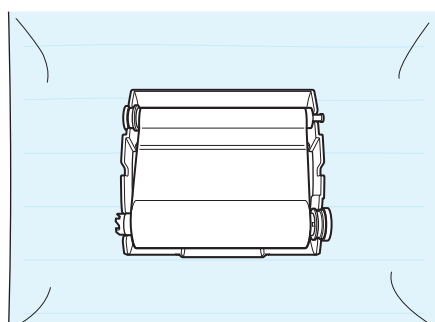
The DP-DS820 Series cannot print when the scrap box has been removed.

If the front cover is closed when there is no scrap box, the scrap box missing error will occur and the ERROR LED (red) will flash.

Always set the scrap box in the printer. Otherwise foreign objects and dust may enter the printer and affect print quality.

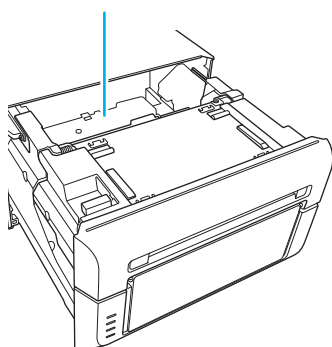
**9 Remove the ribbon cassette from the printer unit.**

- When setting the media, make sure to use the plastic bag or sheet covering the media. Never put it directly on the table, floor or work spaces.

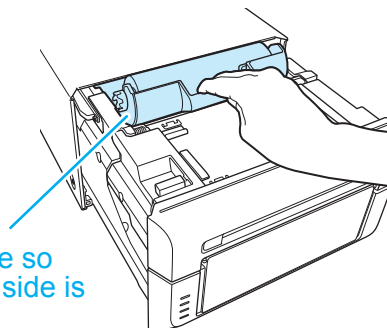
**10 Remove the old ribbon from the ribbon cassette and set the new ribbon.**

**11** Install the ribbon cassette to the printer unit.

Install the cassette here.

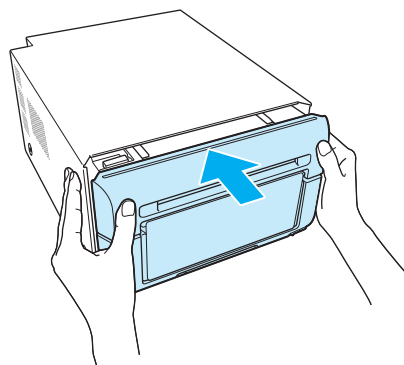


Set the cassette so that the supply side is at the front.



**12** Close the mechanism unit.

When the mechanism unit is closed, the printer starts paper initialization. (Five blank sheets are output.) Paper initialization cuts off the outer layer of the paper that may be dirty. Note that paper initialization is not carried out if the printer ON/Standby switch is set to ON after the paper is set.



**Caution**

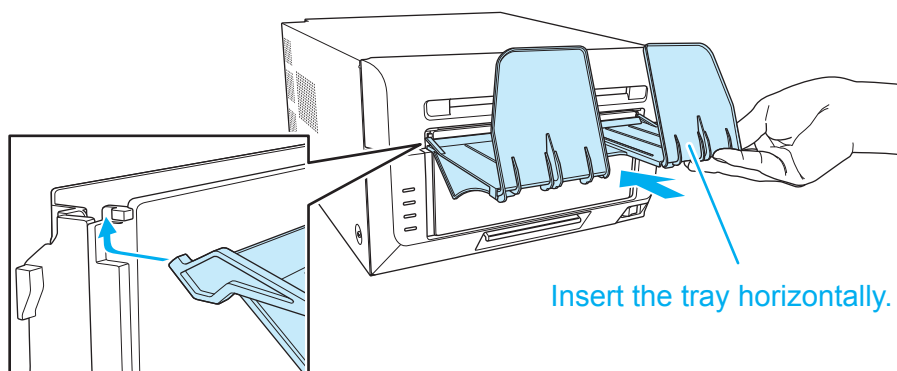
- Make sure that the scrap box is installed when printing. If not installed, your fingers may get caught in the moving parts and be injured.
- If different width media, for example (5 x 7") [2L] and (4 x 6") [PC] or 8inch-size and A4-size, are used on the same printer, problems with the print quality such as lines on the print could arise. Therefore, **do not mix the use of different width media on one printer.**



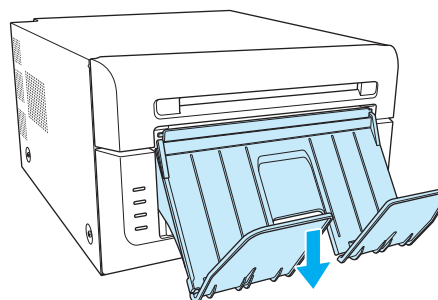
## Paper tray installation (DP-DS620 Series only)

You can use the paper tray when printing (3.5 x 5") [L] or (4 x 6") [PC] size.  
Up to 50 sheets can be stored, however it is recommended to remove the sheets regularly.

### 1 Attach the paper tray to the scrap box.



### 2 Lower the paper tray to set it.



### Caution

- When printing sizes other than (3.5 x 5") [L] or (4 x 6") [PC] size, do not attach the paper tray.
- Storing too many sheets may cause a malfunction.
- Do not apply too much strength on the paper tray. Otherwise, it may be damaged.

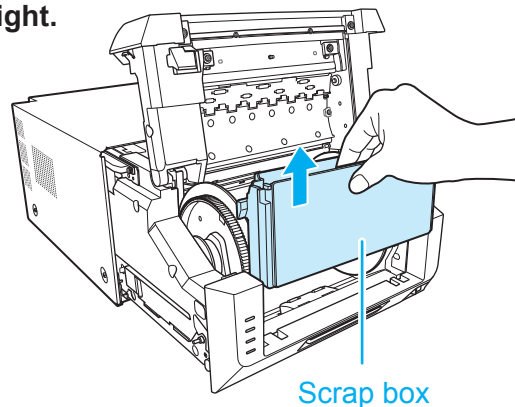
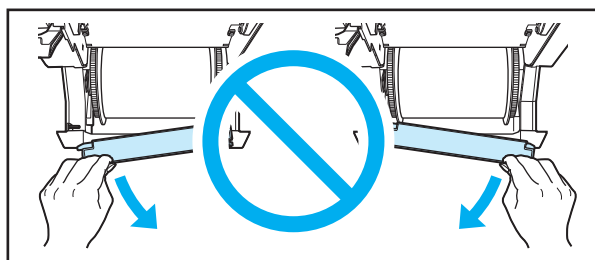
## Disposing of paper scrap

Paper scraps generated when the paper is cut are collected in the scrap box. Be sure to empty the scrap box when replacing the paper.

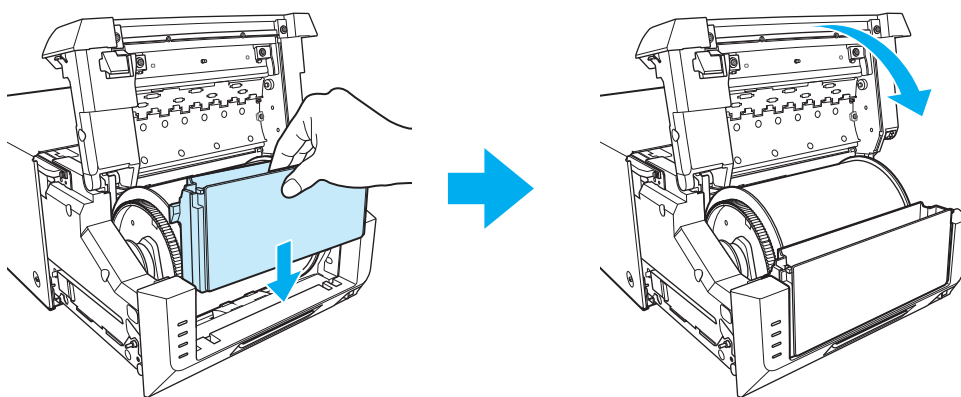
**1** Release the opening lever, and pull out the mechanism unit.

**2** Lift the paper lever and raise the front cover.

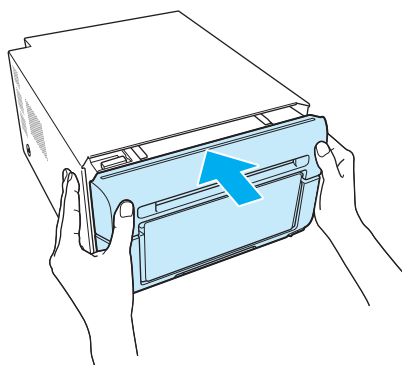
**3** Hold the center of the scrap box and lift it up straight.



**4** Set the scrap box and close the front cover.



**5** Close the mechanism unit.



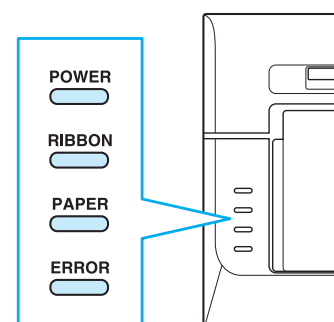
### Caution

- Never remove the scrap box diagonally. The scrap box may be damaged and the product may not operate normally.
- When the scrap box has been removed, do not touch the cutter on the upper part or you may be cut.
- Troubles may occur if the printer is used when the scrap box is full.

# Troubleshooting





## Error display

The LEDs condition (lit, flashing, off) indicates the product status.



 lit, 
  flashing, 
  off.

LED display	Status	Condition	Refer to
 POWER  RIBBON  PAPER  ERROR	Paper end	Set a new roll of paper.	P.14
 POWER  RIBBON  PAPER  ERROR	Ribbon end	Set a new ribbon.	P.14
 POWER  RIBBON  PAPER  ERROR	Door is open (no paper)	Properly set the paper and then close the mechanism unit.	P.14
 POWER  RIBBON  PAPER  ERROR	Door is open	Close the mechanism unit.	P.18
 POWER  RIBBON  PAPER  ERROR	Scrap box missing (DP-DS820 Series only)	Set the scrap box in the printer.	P.17
 POWER  RIBBON  PAPER  ERROR	Paper error	Set the paper properly.	P.14
 POWER  RIBBON  PAPER  ERROR	Ribbon error	Set the ribbon properly.	P.17
 POWER  RIBBON  PAPER  ERROR * RIBBON LED and PAPER LED alternately flash	Media size error	Send data with a size that matches the media size that has been set on the printer.	P.13
 POWER  RIBBON  PAPER  ERROR	System error	Reset the ON/Standby switch. If the system does not recover, contact your dealer.	-

 POWER  RIBBON  PAPER  ERROR	Head cool down	The print heads are being cooled. This error is cleared automatically.	-
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## Solving errors

**1** Release the opening lever, and pull out the mechanism unit.

**2** Remove the ribbon cassette from the printer unit.

**3** Perform the action corresponding to the error.

“The printer is jammed with paper” (see this page),

“The ribbon is caught in the printer” (see P.24),

“The printer stopped with the paper partially cut” (see P.25),

“The power has been cut during printing” (see P.25)

### The printer is jammed with paper

#### Caution

- Take care to not cut, scratch, or hurt your hands the edges of the paper or on any sharp edges within the printer. Use safety lint-free gloves or other proper protective clothing.

**1** Remove the jam.

Rewind the paper onto the paper spool by turning the spool in the opposite direction of the paper path (see Fig.A) then carefully remove the paper from the printer by pulling paper forward, away from the printer (see Fig.B).

Apply only light pressure to avoid damaging the printer components.

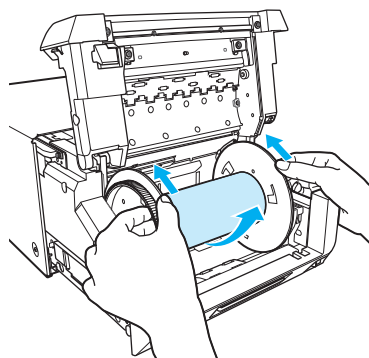


Fig.A

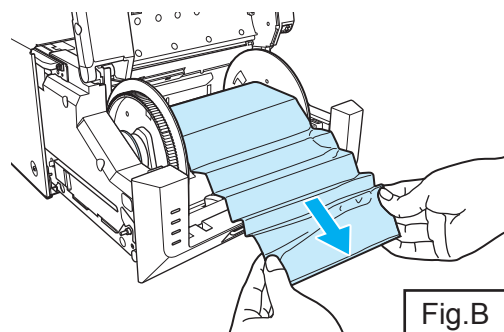
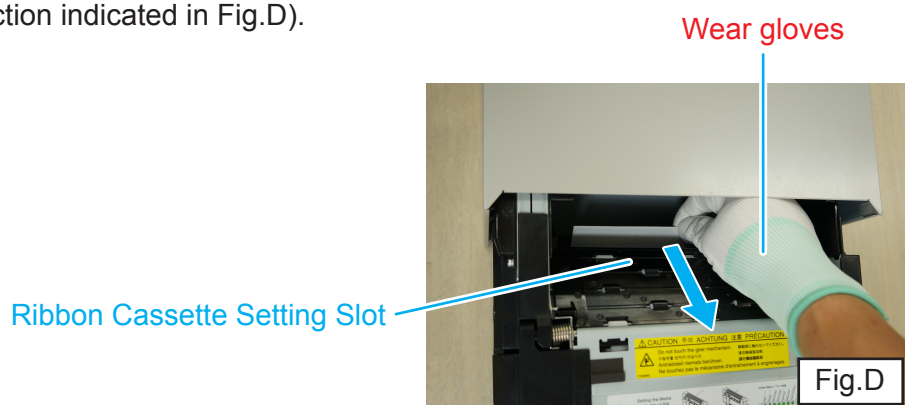
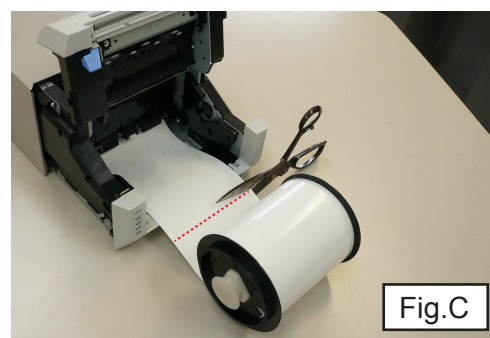


Fig.B

**2** If the jam is not easily removed by above method, cut the damaged portion of the paper edge, remove and set the paper roll to the side. (Fig.C)

**Then remove any remaining paper from the feed path.**

If a portion of the paper remains in the printer, carefully reach into the printer unit and remove the paper from the paper path by pulling the paper forward (the direction indicated in Fig.D).

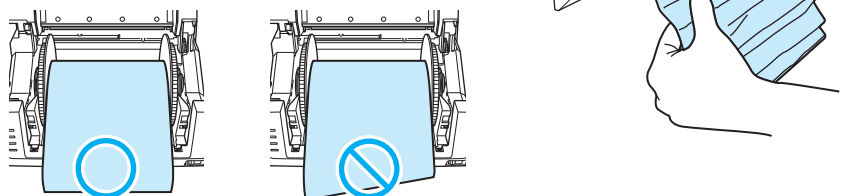


### **Caution**

- Use caution when reaching into the printer unit. If the jammed paper cannot be removed without using strong force, contact technical support for further instructions. Use of excessive force can damage the printer.
- Take care to not cut, scratch, or hurt your hands the edges of the paper or on any sharp edges within the printer. Use safety lint-free gloves or other proper protective clothing.

**3** Cut off the problem section, such as a wrinkled or partially printed area, with a pair of scissors.

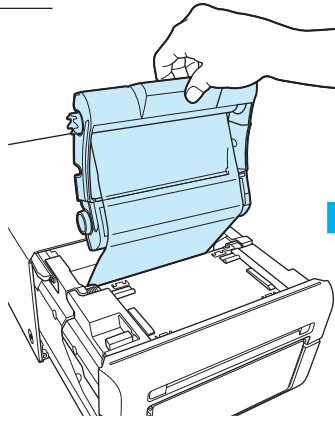
If wrinkled or partially printed areas remain, they may jam the printer again. Furthermore, if the paper is not cut evenly, the printer does not operate correctly.



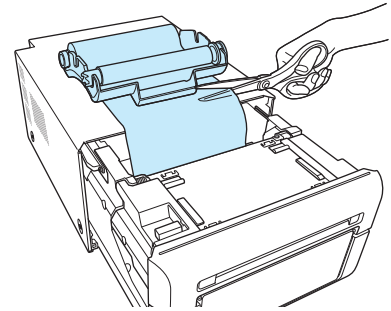
Next, refer to “Setting the media (paper, ribbon)” (P.14).

## The ribbon is caught in the printer

**1** Pull out the ribbon.

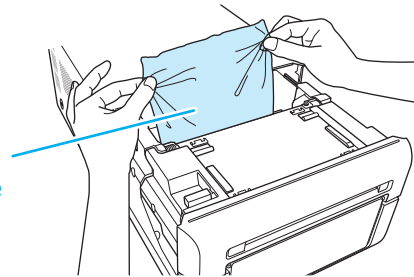


**2** Cut the ribbon.



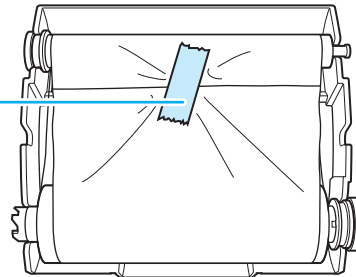
**3** Remove the ribbon that remains in the printer unit carefully.

Any pieces of ribbon left inside the printer may affect the print quality. In such cases, clean the platen roller.  
(see "Platen roller" P.26).



**4** Reattach the ribbon with tape or similar material.

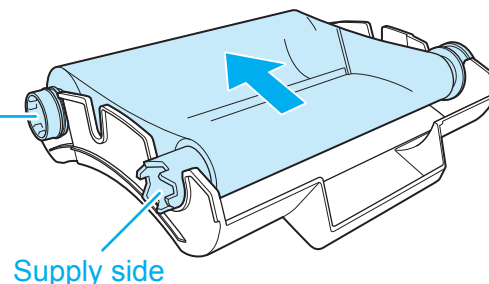
Fix with tape.



**5** Rotate the take-up roller until the part attached with tape cannot be seen anymore.

Take-up side

Do not let a slack form when taking up the ribbon.



Supply side

**6** Insert the ribbon cassette in the printer unit.

**7** After switching the ON/Standby switch on the printer unit to ON, set the paper again. When the mechanism unit is closed, initialization of the paper will be performed (any matter printed in case of error will be ejected). Until initialization is performed, errors cannot be removed.

### The printer stopped with the paper partially cut

- 1** Set the ON/Standby switch to Standby and then ON again.  
The paper jam is released and the cutter blade returns to its standby position.

- If you cannot release the paper, contact a service representative.

- 2** Remove the partially printed part of paper from the printer.

Next, refer to “The printer is jammed with paper” (see P.22).

### The power has been cut during printing

If the power is cut during printing, you will not be able to pull out the mechanism unit.

- 1** Set the ON/Standby switch to Standby and then ON again.  
The partially printed paper is cut into scrap-size pieces and removed. After this, you can pull out the mechanism unit.
- 2** Check that no partially printed paper remains in the printer.

If partially printed paper remains, refer to “The printer is jammed with paper” (see P.22).



#### **Caution**

- Do not set the ON/Standby switch to Standby during printing. This may cause a malfunction.

# Cleaning

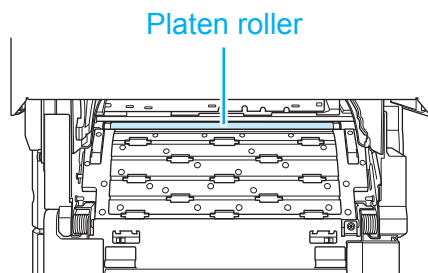
## Platen roller

If indentations or lines appear in regular intervals (approximately 50 mm) and in the same place on printouts, or if the back of the printout (white side) is dirty, clean the platen roller. There may be dust, dirt, adhesive, etc. from the ribbon or paper on the platen roller.

- 1** Prepare a piece of gauze or other soft cloth moistened with ethyl alcohol.
- 2** Perform the steps **1** to **4** of “Setting the media (paper, ribbon)”.
- 3** Wipe off all the dirt while turning the platen roller.

### Caution

- Do not touch parts other than cleaning target when cleaning.
- Take care to not cut, scratch, or hurt your hands on any sharp edges within the printer. Use safety lint-free gloves or other proper protective clothing.



Wear  
gloves

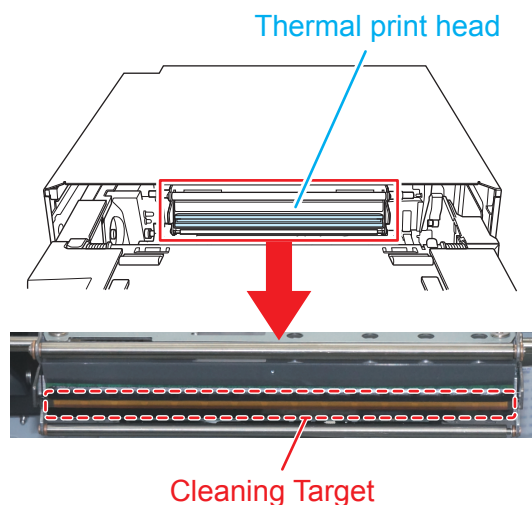




## Thermal print head

If stains adhere to the thermal print head, unevenness or gaps may appear during printing.

- 1** Prepare a piece of gauze or other soft cloth moistened with ethyl alcohol.
- 2** Gently wipe the thermal head without touching it directly with your hands.  
Wipe only cleaning target after visual observation of it.
- 3** If the problem persists, wipe with a polishing sheet.  
Recommended polishing sheet :  
Mipox polishing sheet GC10000-75 FEY-A



### Caution

- Do not touch parts other than cleaning target when cleaning.
- Take care to not cut, scratch, or hurt your hands on any sharp edges within the printer. Use safety lint-free gloves or other proper protective clothing.

Wear  
gloves



### Caution

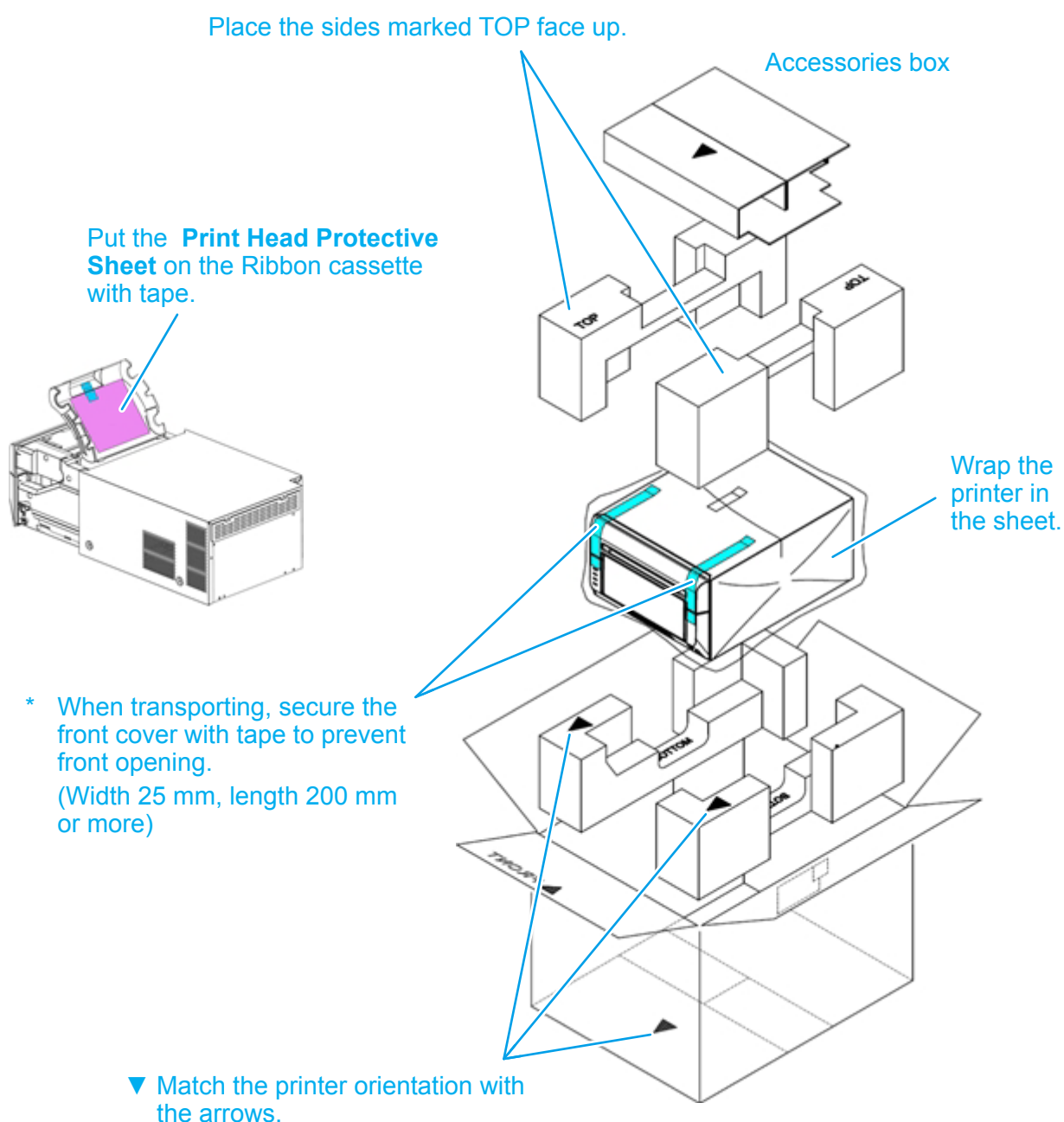
- Do not use benzene or thinners, which may damage plastic materials.
- The thermal head is hot for a while after printing. To avoid burning yourself, wait some time before cleaning.
- For your safety, always unplug an electronic devices before cleaning.

## Repacking

Transporting the printer requires the reuse of the original packing materials. The printer must be packed in the same way it was at the time of purchase. If the original packaging materials are not used and the printer is not packed correctly, the printer may be broken during transport.

Remove all Accessories and Attachments from the printer (print media ink ribbon, paper roll, USB cable, power cable and paper tray) and store or transport them separately.

Please save the Print Head Protective Pad and do not throw away any packaging as you will need them to safely transport the printer.



\* Place the attachments in the accessories box.

# Specifications

Model			DP-DS620		DP-DS820		
Print method			Thermal dye sublimation transfer				
Resolution	Width direction		11.8 dot/mm (300 dpi)				
	Paper feed direction	High-speed	11.8 dot/mm (300 dpi)				
		High-quality	23.6 dot/mm (600 dpi)				
Print size			89 mm x 127 mm (3.5x5") [L]		203 mm x 102 mm (8x4")		
			101 mm x 152 mm (4x6") [PC]		203 mm x 127 mm (8x5")		
			127 mm x 178 mm (5x7") [2L]		203 mm x 152 mm (8x6")		
			152 mm x 203 mm (6x8") [2PC]		203 mm x 203 mm (8x8")		
			152 mm x 229 mm (6x9")		203 mm x 254 mm (8x10")		
			-		203 mm x 305 mm (8x12")		
			-		210 mm x 148 mm (A5 format)		
Paper/ ink ribbon set capacity			(4x6") [PC]		400 sheets	(8x10")	130 sheets
			(5x7") [2L]		230 sheets	(8x12")	110 sheets
			(6x8") [2PC]		200 sheets	(A4)	110 sheets
			(6x9")		180 sheets	-	
Interface			USB2.0 (max 480 Mbps) TYPE B connector				
Dimensions			275 mm (W) x 366 mm (D) x 170 mm (H)  * The shape differs depending on the country, region or the application.		322 mm (W) x 366 mm (D) x 170 mm (H)		
Weight			Approx. 12.0 kg (printer unit only)		Approx. 14.0 kg (printer unit only)		
Rated Voltage			AC 100 V - 240 V 50 Hz / 60 Hz				
Rated Current			100 V 3.9 A 240 V 1.6 A				
Operating environment			Temperature 5 °C to 35 °C in natural convection conditions				
			Humidity 35 % to 80 % with no condensation				

\* The strings identified "( )", such as DP-DS820 (A), means a shipping destination.

\* The specifications and appearance of the printer may be changed without prior notice.

## Customer service

For information about the product operation or repair, contact your dealer or a service center.

**Dai Nippon Printing Co., Ltd.**