

KIP 7900 User Manual

PROMOTONER

Version A1

Thank you for purchasing the KIP 7900.
This USER'S MANUAL contains functional and operational explanations for the KIP 7900.
Please read this USER'S MANUAL carefully before using the Printer.
Please keep this USER'S MANUAL for future reference.

1. When this machine is installed in North America.

FCC ID: VP8-K120

This equipment satisfies the requirements in Part 15 of FCC Rules for a Classic A computing device. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
In order to comply with FCC radio-frequency radiation exposure guidelines for an uncontrolled exposure, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC 15.105(a)

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.

FCC 15.21

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

2. When this machine is installed in Canada

IC Company No. & UPN No. : 7391A-K120

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.

3. When this machine is installed in Europe

This equipment complies with the requirements in Pub.22 of CISPR Rules for a Class B computing device.
Operation of this equipment in a residential area may cause unacceptable interference to radio and TV reception requiring the operator to take whatever steps are necessary to correct the interference.

Do not install Machine around other electronic equipment or other precision instruments. Other devices may be affected by electrical noise during operation.

If the Machine is installed near other electronic equipment, such as a TV or a radio, interference to said equipment, such as noise or flickering, may occur.
Use a separate power line and install the PRINTER as far as possible from said equipment.

As an ENERGY STAR ® Partner, Katsuragawa Electric Co., Ltd. has determined that this product meets the ENERGY STAR ® guidelines for energy efficiency.

The International ENERGY STAR ® Office Equipment Program is an international program that promotes energy saving through the penetration of energy efficient computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Their standards and logos are uniform among participating nations.

The symbol shown indicates that this product conforms to Directive 2002/96/EC of the European Parliament and the council of 27 January 2003 on waste electrical and electronic equipment (WEEE) and does not apply to countries outside of EU.



Only For EU Member States

The symbol shown indicates that this product conforms to SJ/T11364-2006 of People's Republic of China Electronic Industry Standard and does not apply to countries outside of People's Republic of China.



The symbol shown indicates that this product conforms to GB 18455-2001 11364-2006 of National Standard of the People's Republic of China and does not apply to countries outside of People's Republic of China.



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Safety Warning

The following warnings are very important in order to safely use this product.
These notes are important in preventing danger to the operator or operation of the printer.

The following symbols are found throughout the USER'S Manual and have the following meaning:



WARNING

This WARNING mark means that there is a possibility of death or serious injury if you ignore or do not follow the said instruction.



CAUTION

This CAUTION mark means that there is a possibility of injury or physical damage if you ignore or do not follow the said instruction.



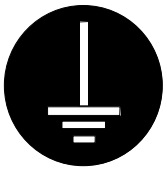
When marked with this symbol, "DO NOT ATTEMPT"



When marked with this symbol, "pay close attention to"

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WARNING



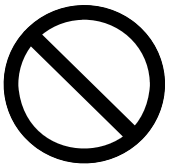
Ground the product with a correct ground source or you may be electrically shocked.



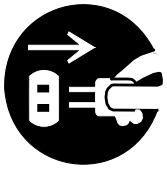
1. The Power source should be as follows:
   220 to 240V plus 6% or minus 10%, 50/60Hz, 20A or higher
2. Use a circuit with a dedicated breaker.
3. Install the product as close to the wall outlet as possible.
4. If you wish to move the printer, please contact your service personnel.



1. Do not remove the screw and do not open the cover if not instructed to do so in this User's Manual. If you ignore this warning, you may be burnt or receive an electric shock due to a hot item or electrically charged part inside of the printer.
2. Do not disassemble or tamper with the printer.
   It may result in a fire or an electrical shock.



1. Do not plug in the printer into a multi-wire connector in which some other equipment is plugged into.
   It may cause a fire due to outlet overheating.
2. Do not damage the Power Cord by stepping on or placing heavy items on it.
   If the Power Cord is damaged, it may cause a fire or you may receive an electric shock. REPLACE THE CORD IF DAMAGED!

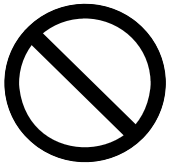


1. Do not put a flower vase, a flowerpot or any water-filled item on the product.
   Spilt water could cause a fire or an electric shock.
2. If the product generates an abnormal smell or noise, turn it off and unplug it from the wall electrical outlet immediately.



Do not throw the toner into a fire or other sources of heat, as it can explode.

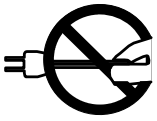
CAUTION



Do not install the printer in a humidified room or a dusty room.
Also, do not install the printer on an unstable floor as injuries may occur.



1. Unplug the printer before you move it.
   The power cord may be damaged and it may result in a fire or electric shock.
2. If you do not use the printer for a long duration (holidays, company shutdown) turn off and unplug the printer from the outlet for safety.



Do not pull the cord when you unplug the printer as you may damage the Power Cord.



There are hot items inside of the printer.
Take great care not to touch these items when you remove mis-fed media.



Ventilate the room well if you print in a small area.

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POWER CORD INSTRUCTION

The installation of (or exchange to) a power plug which fits in the wall outlet of the installation location shall be conducted in accordance with the following:

WARNING

Select a power plug which meets the following criteria;

- The plug has a voltage and current rating appropriate for the product's rating marked on its name plate.
- The plug meets regulatory requirements for the area.
- The plug is provided with a grounding pin or terminal.

If the appropriate plug does not fit the wall outlet in the installation, the customer shall install an appropriate outlet.

Connector Type:

Configuration	Standard	Rating	Usually found in
	IEC60320:C19	20A 250V (UL) 16A 250V (IEC)	

Plug Type: Model Rating 220-240V

Configuration	Standard	Rating	Usually found in
	NEMA6-20	20A 250V	North America (UL Listed)
	CEE7/7	16A 250V	European countries
	KS C 8305	16A 250V	Korea
	AS/NZS 3112	16A 250V	Australia New Zealand
	GB1002 GB2099.1	16A 250V	China
	IRAM 2073	16A 250V	Argentina

Cord Type

Standard	Rating	Usually found in
SJT 3X12AWG Long <4.5m	20A 250V	North America (UL Listed)
HO5VV-F 3X1.5mm^2	16A 250V	European countries Argentina
RVV 3X1.5mm^2	16A 250V	China

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Chapter 1

Before Use

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1. 1 Installation Requirements

The following conditions are required for installation of the equipment.

1. Power source should be rated as follows.
   220V - 240V plus 6% or minus 10%, 50/60Hz, 20A or higher
2. The equipment must be on an exclusive circuit.
3. The outlet must be near the equipment and easily accessible.

1. Make sure to connect this equipment to a grounded outlet.
2. For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.

The site temperature range = 10 to 32 degrees Centigrade, with the humidity between 15% to 85% RH. (NON CONDENSING)
Keep the printer away from water sources, boilers, humidifiers or refrigerators.

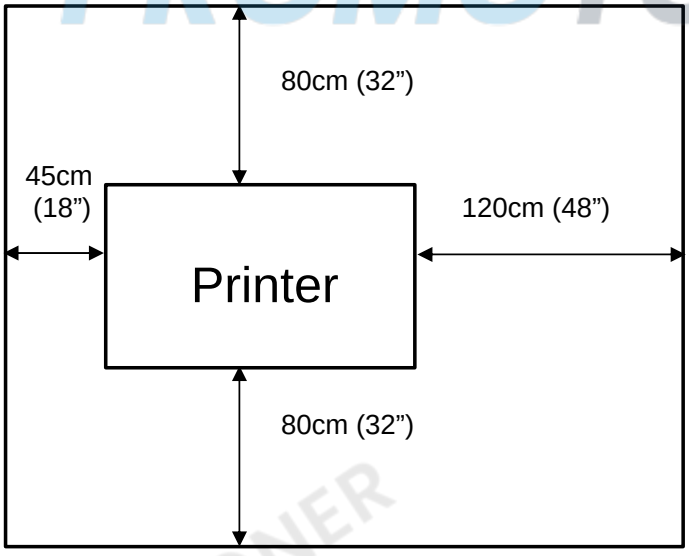
1. The installation site must not have open flames, dust or ammonia gases.
2. The equipment must not be exposed to the air vents from air conditioners. It may affect the image quality.
3. The equipment should not be exposed to the direct sunlight. Please draw curtains to block any sunlight.

When you open the Movable Unit, do not expose the Photoconductive Drum to strong (intense) light as this will damage the Drum.

Ozone will be generated while this equipment is use, although the quantity generated is within safe levels. (see certifications)
Ventilate the room, if required.

Keep ample room around the equipment to ensure comfortable operation.
(Refer to the following figure.)
The equipment must be leveled and the floor strength must be ample to sustain the weight of the equipment.

Minimum Space Requirements



1. 2 Originals Prohibited from Duplication

It is not necessarily allowed to copy every kind of original.
You may be punished by the law if only you possess the copy of some kind of original.
We recommend you to consider enough before you copy such original.

[Originals prohibited from copying by the law]

1. It is not allowed to copy Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.).
2. It is not allowed to copy Foreign Currency or Foreign Negotiable Instruments.
3. It is not allowed to copy unused postal stamps or government postcards without permission to make replica from Government.
4. It is not allowed to copy Government issued revenue stamps, certificate stamps which are prescribed by Liquor Tax Act or the Commodity Tax Act.

[Special items to be cared]

1. It is warned by the government to copy private issued securities (stock certificate, draft, check, goods ticket, etc.), commutation ticket or book of tickets, excluding that some specific company copies such originals as many as it requires for its own business.
2. We recommend you not to copy freely such originals as government issued passport, public or private issued licenses, automobile inspection certification, IDs and tickets like pass or meal.

Reference Law	Prohibited items to copy
Regulations to control fake currency and Bond.	Currency (Bill, Money, Bank Note, etc.), Government issued Negotiable Instruments (National Bonds, Security, Local Debt Bonds, etc.)
Control Law against Forged & faked Foreign Currency, Bill, Bank Note and Bond	Foreign Currency or Foreign Negotiable Instruments
Forged postal stamps control law	Unused postal stamps or government postcards
Forged revenue stamps control law	Government issued revenue stamps, and certificate stamps prescribed by Liquor Tax Act or Commodity Tax Act
Currency similarity securities Control Law	Private issued securities (stock, draft, check, goods ticket, etc.), commutation or book tickets

[Originals protected by the copyright]

It is prohibited to copy such originals as book, music, paintings, printed copy, maps, drawings, movie and pictures which are protected by the copyright, except for personnel or family use or similar purpose.

1. 3 Features

- KIP 7900 Digital Printer can make a print in a speed of 160mm per second.
  The maximum print size is 36 inches (914mm) wide, and the minimum one is 8.5 inches (210mm) for cut sheet media, and 11 inches (294mm) for roll media.

- The print image is more stabilized than before since we adopt a minute toner for mono-component development.

- The combination of KIP Contact Development System and mono-component minute toner can produce a high definition line, distinctive grayscale and consistent solid black.
  The KIP HDP process generates no Waste Toner.

- Many user operations can be made on the Touch Screen Panel (User Interface).

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1. 4 Specifications

Subject	Specification
Model	KIP 7900
Configuration	Console
Printing method	Electro photography
Photoconductor	Organic Photoconductive Drum
Print speed	160mm per second
Print head	LED
Resolution	600dpi
Print width	Maximum ..... 36” (914mm) Minimum ..... Roll: 11” / 297mm Cut sheet (Portrait): 8.5” / 210mm
Print length	Maximum (Standard) ..... 6m (bond, 36” / A0 wide only) or “5 x Standard length” (bond) “2 x Standard length” (vellum) “1 x Standard length” (film) (Option) ..... 24m or Unlimited Minimum ..... 8.5” (210mm) **NOTE:** If the print is longer than the maximum listed above, its image quality or the reliability of paper feeding is not guaranteed.
Warm up time	Less than 6 minutes (23 C / 74F, 60% RH and the rated voltage on Bond)
First print time	15.5 seconds (E from Roll 1)
Fusing method	Roll Fuser
Development method	Dry type with non-magnetic mono-component toner
Exposure method	LED
Charging method	Corona
Transfer method	Corona
Separation method	Corona
Input power	220V - 240V , 50/60Hz, 15A
Power consumption	Maximum ..... 3,600w Stand by ..... 1.3kwh (Average) Printing ..... 2.5kwh (Average) Cold sleep ..... 14w or less 230V, 50/60Hz and Dehumidify Heater is ON
Acoustic noise	less than 67db (Printing) less than 55db (Standby)
Ozone	less than 0.1ppm (Average)
Dimensions	1370mm (W) x 700mm (D) x 965mm (H) (w/o UI) 54” x 28” x 38” 1385mm (W) x 820mm (D) x 1590mm (H) (w/ UI) 55” x 33” x 63”
Weight	Approx. 386 kg 851 lbs
Media	(Recommended Media) Plain Paper ..... US Bond (PB-20) Tracing Paper ..... US Vellum (XV-20) Film 4MIL (PF-4DME)
Environmental condition for usage	Temperature: 10 to 32 C 50 to 90 F Humidity: 15 to 85% RH
Interface	Ethernet (10 BASE-T, 100 BASE-TX, 1000 Base-T)

(continued on the next page)

Storage of consumables	(Media) Wrap the media surely to shut out the humidity. (Toner cartridge) Keep the toner cartridge away from the direct sunlight, and store it in the condition of 0 to 35 C (32 - 95 F) and 10 to 85% RH.

NOTE

The above specifications are subject to change without notice.

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1. 5 Appearance

1. 5. 1 Front



	Name of part	Function
1	User Interface (UI)	This is a Touch Screen, and many user operations are available. **PLEASE DO NOT** push the LCD area too strong.
2	Top Cover	Open here to clear the mis-fed paper.
3	Manual Table	Open here to insert a cut sheet or to pull the Upper Frame Unit.
4	Roll Decks	Each Roll Deck drawer holds 2 rolls of print media.
5	Power Switch	You can turn on/off the KIP 7900.
6	Stylus	This pen is used to operate the User Interface (UI). **PLEASE DO NOT** use any other pointed object to tap on the UI.

1. 5. 2 Rear

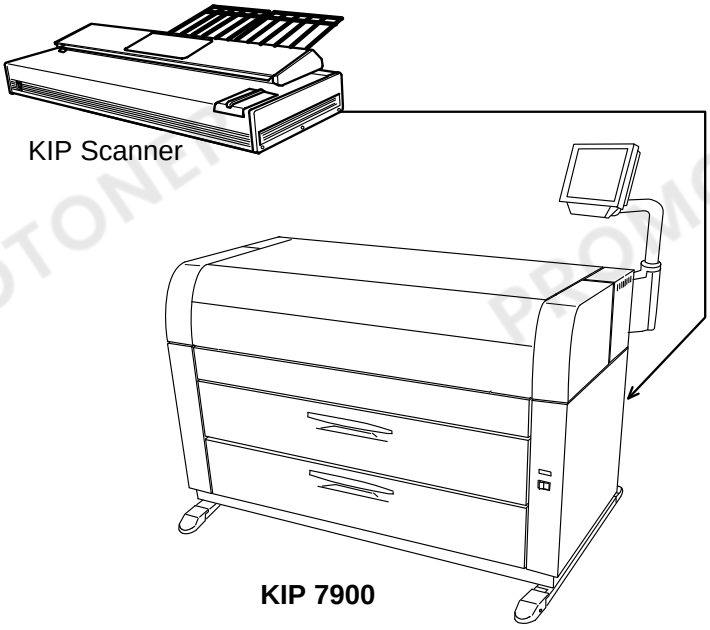


	Name of part	Function
1	Exit Cover	Open the Exit Cover when you remove the mis-fed media.
2	Dehumidify Heater Switch	Press “H” to turn on the Dehumidify Heater, and press “L” to turn it off.
3	Inlet Socket	Connect the power cord here. **NOTE**: Specification for the power cord used in North America Use the following type of power cord (UL-Listed). (1) Rating 250VAC, 20A (2) Plug type NEMA6-20 (3) Socket type IEC60320 : C19 (4) Cord SJT 3xAWG12 L <4.5m (5) UL-Listed
4	Breaker	It is possible to shut off supplying the AC power.
5	USB connector (USB2.0)	Connect the cable to this terminal for a KIP Scanner (option). (max.5Vdc)
6	COM Port	Connect the cable from a finishing device (option). (D-Sub Connector 9 pins: max.12Vdc (Small))
7	LAN Port	Connect the LAN Cable to connect the KIP 7900 to the network. (Do not connect a telephone line.)

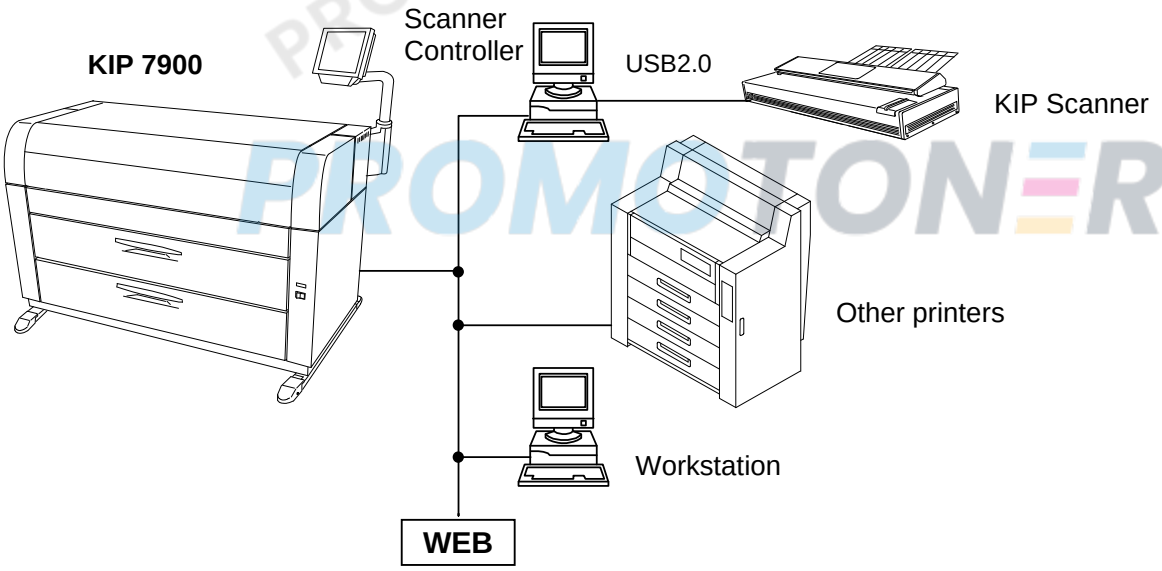
1. 6 Optional Configurations

You can combine the KIP 7900 Printer with optional outer devices.

KIP 7900 + KIP Scanner



KIP 7900 on network



Please contact your dealer for further information of integrating KIP 7900 to your network and other devices.

1. 7 Specifications for Printing Media

1. 7. 1 Available Print Size

Available print size is as follows.

	Minimum	Maximum
Width	11”/ 297mm (Roll) 8.5”/ 210mm (Cut Sheet)	36” / 914mm
Length	8.5”/ 210mm	6m

NOTE

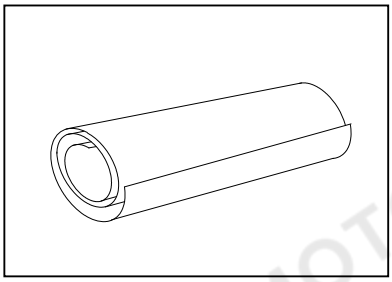
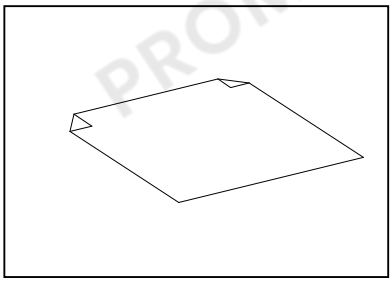
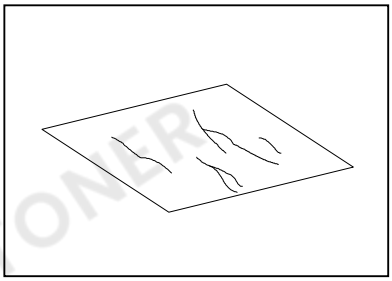
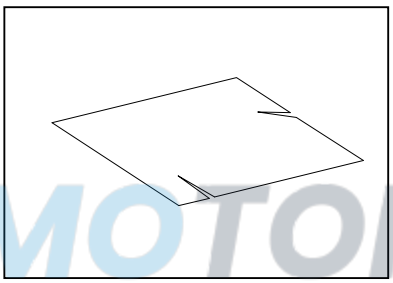
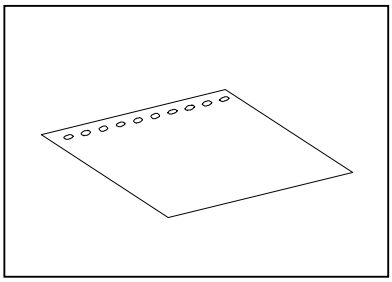
It is possible to print longer than 6 meters as an option.
You can choose either “24m” or “unlimited” as a maximum print length.
Call your service personnel if you would like to print over 6 meters as the user can not change this setting in the printer.

If you print longer than 6 meters, the image quality or the reliability of media feeding is not guaranteed.

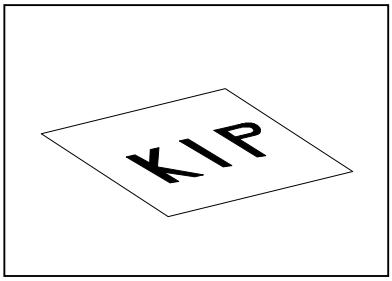
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1. 7. 2 Media not to be used

Do not use the following kinds of printing paper. Doing so may damage the printer.

Excessively curled	
Folded	
Creased	
Torn	
Punched	

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Pre-printed	
Extremely slippery	
Extremely sticky	
Extremely thin and soft	
OHP Film	

⚠ CAUTION

Do not use the paper with staple, or do not use such conductive paper as aluminum foil and carbon paper.
The above may result in a danger of fire.

⚠ NOTE

(1) Print image may become light if printed on a rough surface of the paper.

(2) Print image may become defective if the print paper has an excess curl.

(3) It will cause paper mis-fed, poor print image or creasing if you use a paper that does not satisfy the specifications.

(4) Do not use a paper of which surface is very special, such as thermal paper, art paper, aluminum foil, carbon paper or conductive paper.

(5) Vellum exposed to air over a long period tends to cause a defective printing.
It is recommended to remove one round on the surface of the vellum roll from the beginning.

(6) Remove fully any adhesive from the roll that may remain due to tape placed by the media supplier.

(7) Do not use papers with unpacked (exposed in high / low temperature & humidity) in a long period. Such papers may result in mis-feed, defective image or paper creasing.

(8) It is recommended to trim the leading edge by using Initial Cut Key on the User Interface (UI) before making a long print.

1. 7. 3 Maintaining Media

Keep the paper in the custody taking care of the following matters.

1. Do not expose the paper to the direct sunlight.
2. Keep the paper away from high humidity. (It must be less than 70%)
3. Put the paper on a flat place, do not damage the media.
4. If you will keep paper which you has already been unpacked, put it into the plastic bag to avoid humidity in the media.

1. 7. 4 Environmental Condition - Correction

Take a necessary treatment according to the environmental condition as shown below.

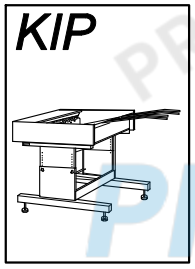
Humidity(%)	Possible problem	Necessary treatment
Low ↑	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and vellum.	1. Install the humidifier in the room, and humidify the room air. 2. Remove the media from the machine right after the completion of print, and keep it in a plastic bag.
40%	"Void of image" occurs when you print with vellum.	If you will not make print soon, remove the vellum from the machine and keep it in a plastic bag.
70%		Remove the paper from the machine after everyday use, and keep it in a plastic bag.
	"Void of image" occurs when you print with plain paper and vellum.	If you will not make print soon, remove the media from the machine and keep it in a plastic bag.
↓ High	"Void of image", "crease of paper" and other problems occurs when you print with plain paper and vellum.	1. Turn on the Dehumidify Heater. 2. Remove the media from the machine right after the completion of print, and keep it in a plastic bag.

NOTE

(1) KIP 7900 is equipped with the Dehumidify Heater.
Using it in high humidity environment (65% or higher) is recommended.
Refer to [2.7 Dehumidifying Roll Media] on page 2-19.

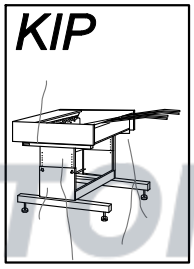
(2) "Void of image" and "crease of paper" will occur in case of extremely high or low humidity.

Normal Print

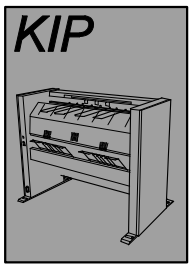


If the media is humidified; →

Crease of paper

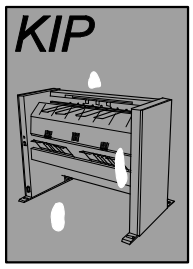


Normal Print



If the media is humidified; →

Loss of image

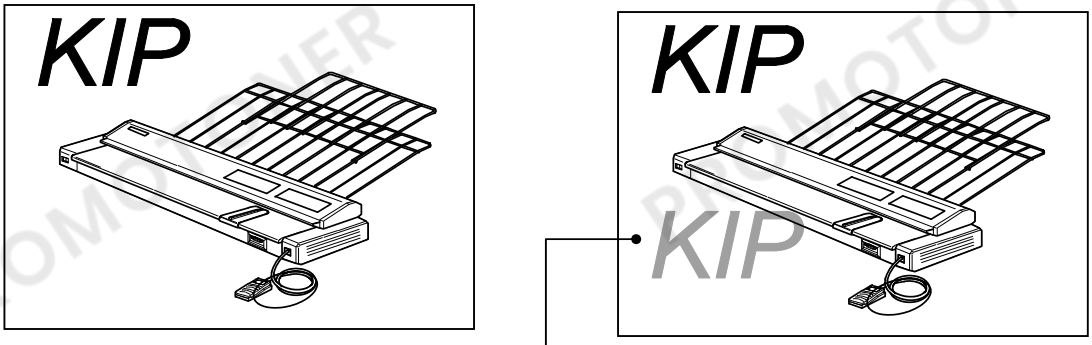


(continued on the next page)

NOTE (cont.)

(3) Re-appearance of image (solid black image especially) may occur if you print with a humidified film.

When film is installed under the high humidity environment (higher than 60%RH), we also recommend that you turn on the Dehumidify Heater.



Normal print

Re-appeared image

PROMOTONER

Chapter 2

Basic Operations

page

2. 1 Turning on KIP 7900 ..... 2- 2

2. 2 Turning off KIP 7900 ..... 2- 4

2. 3 Replacing Roll Media 2- 5

2. 4 Replacing Toner Cartridge 2-13

2. 5 Placing Cut Sheet Media 2-17

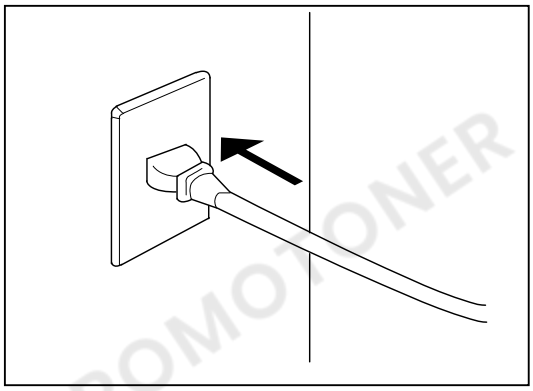
2. 6 Canceling Sleep Mode 2-18

2. 7 Dehumidifying Roll Media 2-19

2. 8 Stacking Prints on High Capacity Print Tray (option) 2-21

2. 1 Turning on KIP 7900

1. Plug the printer into an exclusive wall outlet.



⚠ WARNING

(1) Do not handle the Power Plug with wet hands, or you may receive an electrical shock.

(2) Ground the printer for safety.

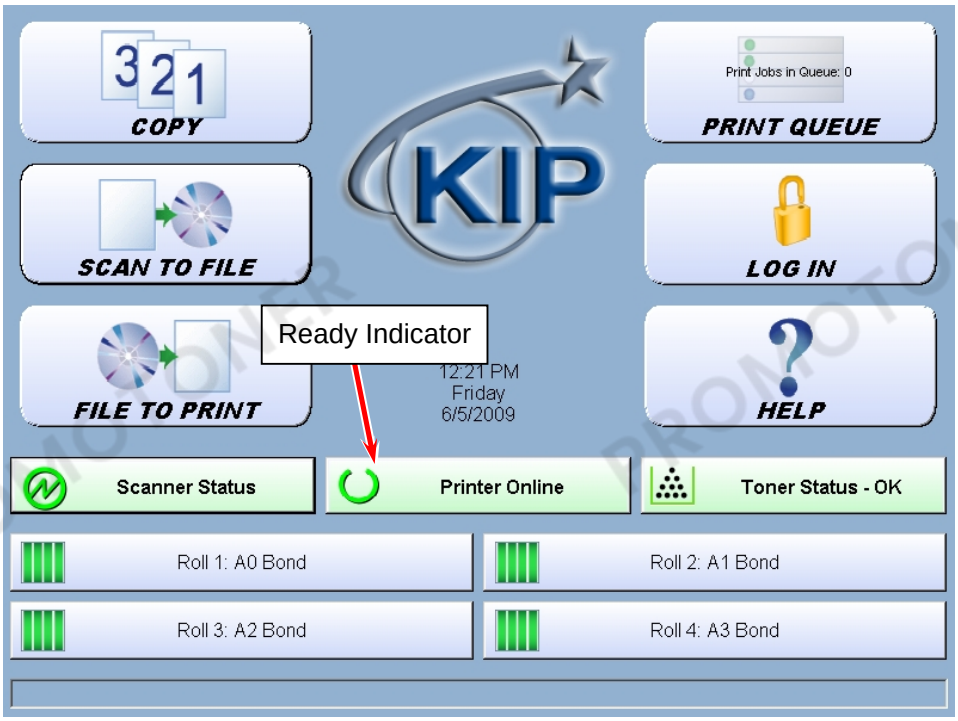
(3) Do not plug the printer into a multi-wiring connector in which other devices are plugged into. It may overheat the outlet and may result in a fire.

(4) The outlet must satisfy the following rated power condition.
220V to 240V plus 6% or minus 10%, 50/60Hz, 20A or higher

2. There is Power Switch on the right-front of the printer.
Press " | " side to turn on the printer.

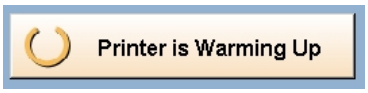


3. The User Interface (UI) starts operating, and displays UI Screen in one minute. Ready Indicator on the UI will flash during warming up.



The UI screen may vary depending on your system configuration. (Shown with available options)

4. When Ready Indicator stops flashing, the KIP 7900 is ready for operation.

> **NOTE**
>
> It is impossible to make any prints while Ready Indicator is flashing in orange. Please wait until it turns in green.
>
> 
>

PROMOTONER

2. 2 Turning off KIP 7900

1. Press "⏻" side on the Power Switch to turn off the printer.



⚠ CAUTION

(1) KIP 7900 and the UI look to be shut down when you turn off KIP 7900. However, the embedded controller is still operating in approximately 2 minutes after Power Switch operation for the controller's shutdown.

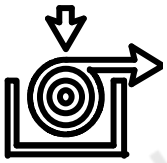
Do not unplug the KIP 7900 before the controller's shutdown. Doing so may damage data or the device.

(2) If you use Dehumidify Heater for Roll Decks, the printer should be plugged while the printer is OFF. Refer to [2.7 Dehumidifying Roll Media] on page 2-19.

PROMOTONER

2. 3 Replacing Roll Media

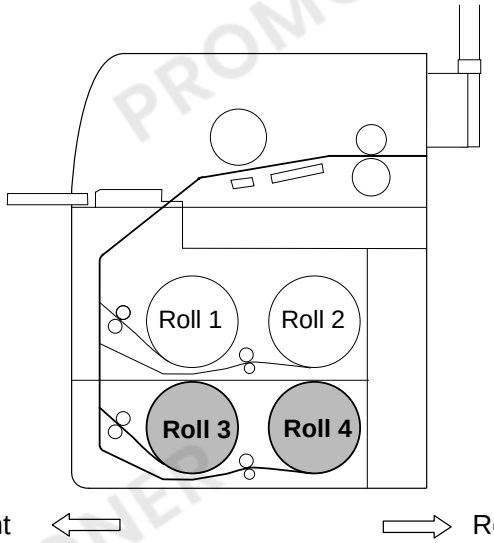
Reference



(1) When the printer is running out of a roll media, the UI Screen will display “Roll Replacement” sign.

Follow the later procedure (or as noted in the UI’s User Guide) to load a roll media. Please refer to your KIP IPS Touch Screen Operator’s Guide for the UI screen.

(2) It is recommended that a tracing paper / vellum roll is loaded to Roll Deck 3 or 4.



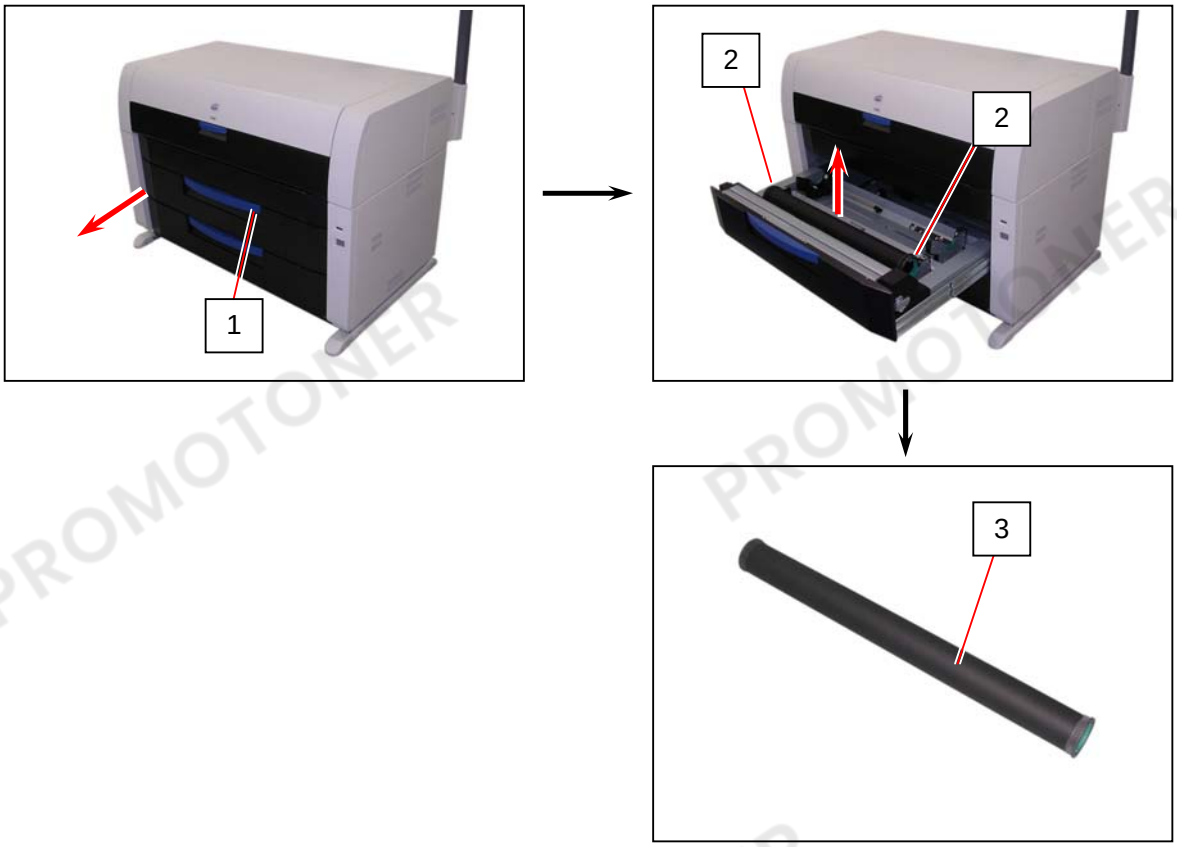
(3) This section describes how to install a roll media to Roll Deck 1.
The same procedure is applied to Roll Deck 2 / 3 / 4, unless otherwise noted.

⚠ NOTE

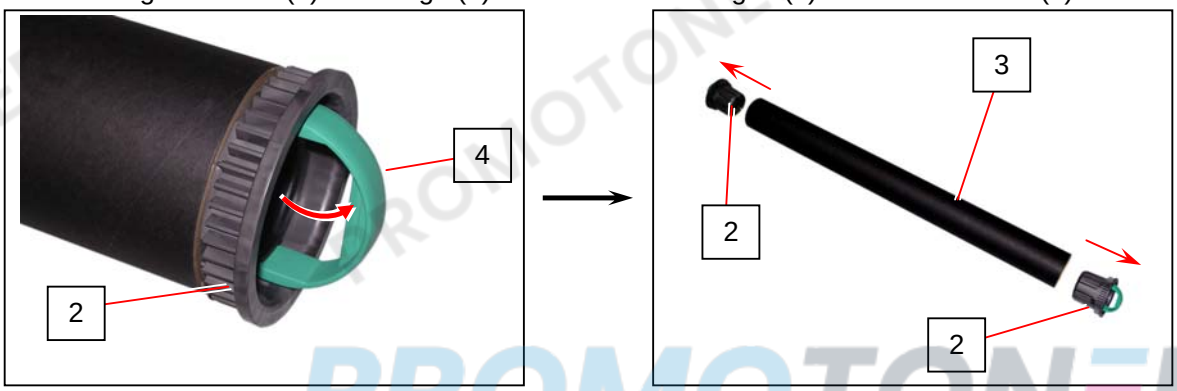
A paper mis-feed tends to occur just before out of a roll paper.

PROMOTONER

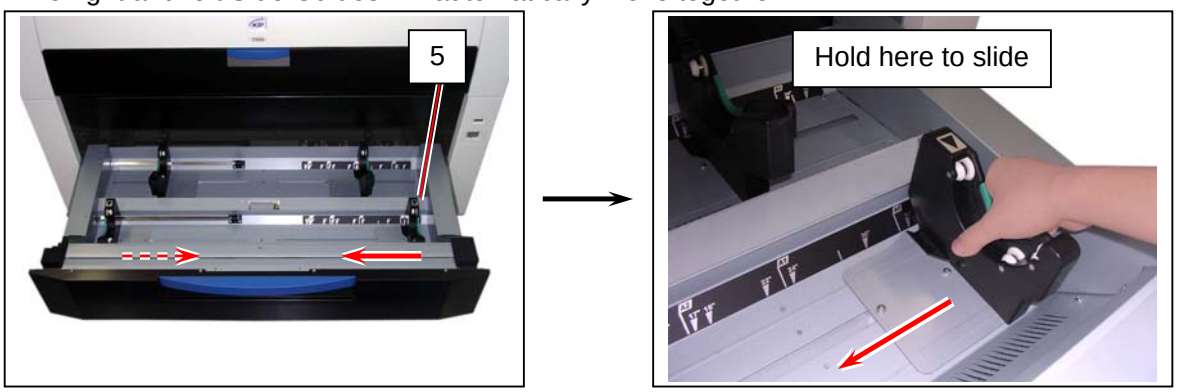
1. Open Roll Deck (1).
   Holding both Flanges (2), lift and remove a roll media or an empty roll core (2).



2. Raise the green lever (4) on Flange (2). Remove both Flanges (4) from the roll core (3).

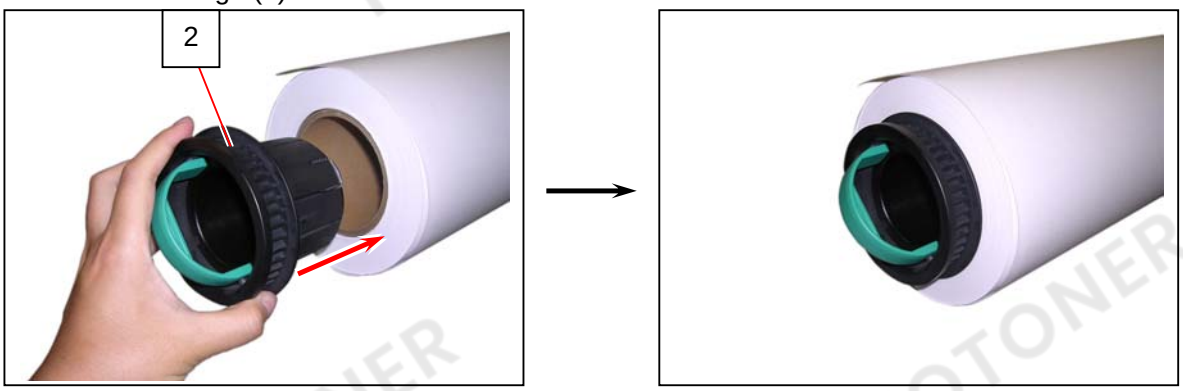


3. Hold the shown part of the right Slide Guide (5). Move it to match your roll media's width.
   The right and left Side Guides will automatically move together.



PROMOTONER

4. Insert each Flange (2) into both ends of the roll media core to be installed.

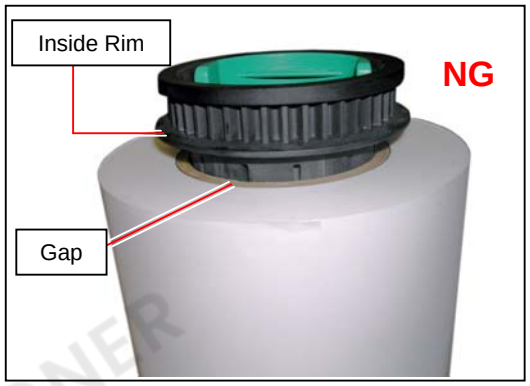


NOTE

(1) Fully insert Flange into the roll media core so that the inside rim of Flange evenly touches the side face of the roll media.

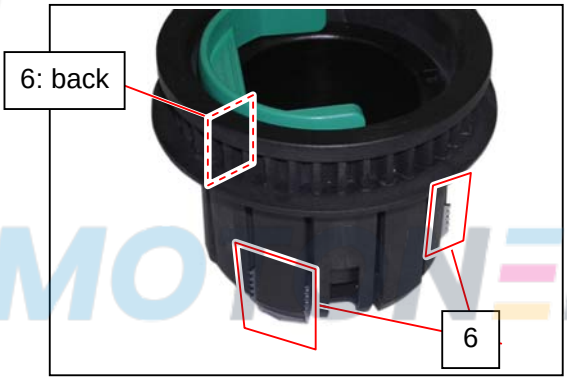


Correct: Fully inserted



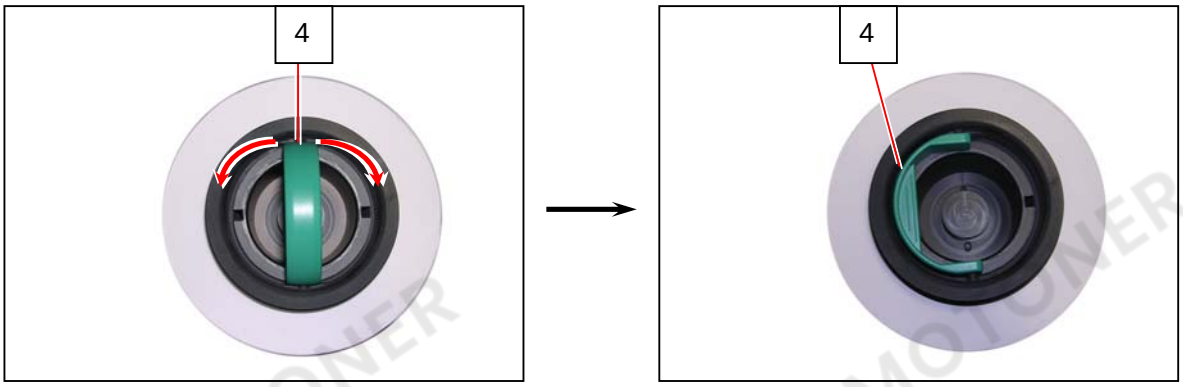
Wrong: not touching roll side

(2) Flange has Stoppers (6) with sharp edge. Be sure not to touch them.



PROMOTONER

5. Push both the levers (4) down in either way. Position them flat against Flange to secure the roll media.



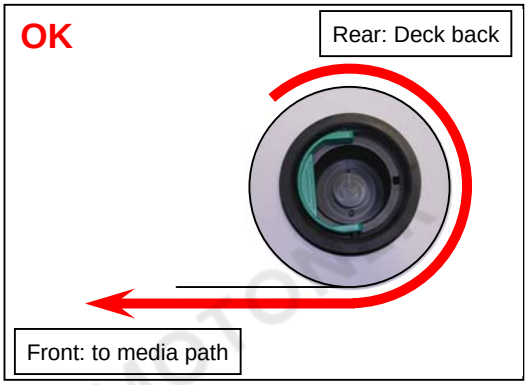
6. Lift the roll media by holding both Flanges. Lower Flanges onto Slide Guides (5).



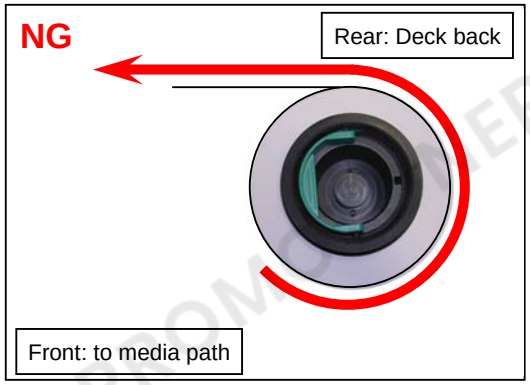
(Continued on the next page)

NOTE

(1) Note the rewinding direction.

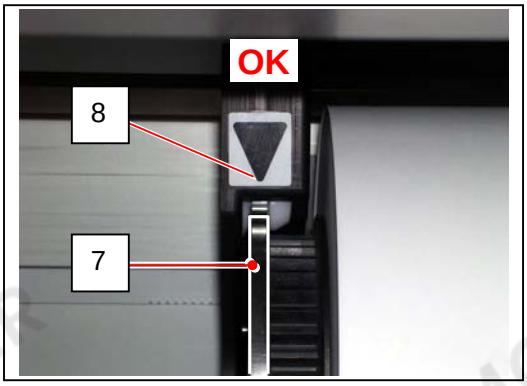


Correct: Edge comes from bottom

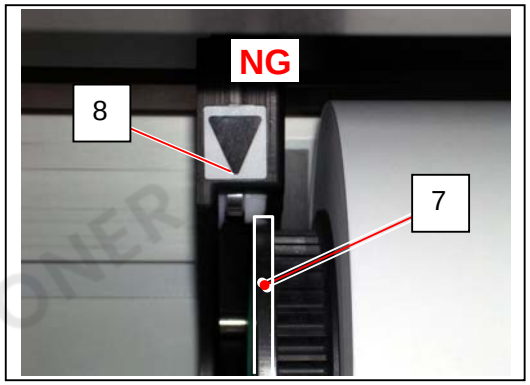


Wrong: Edge comes from top

(2) The outside rim (7) of Flange should meet the black triangle (8) marked on Slide Guide. Otherwise the roll media may fall in Roll Deck or result in an incorrect media feeding.



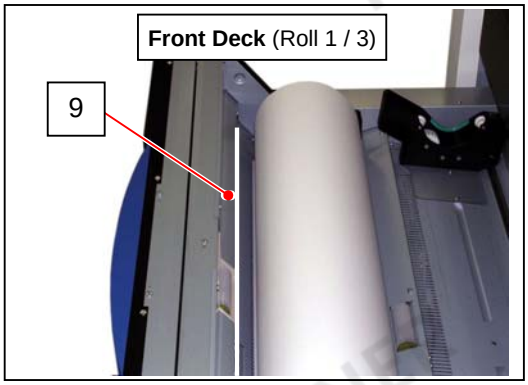
Correct

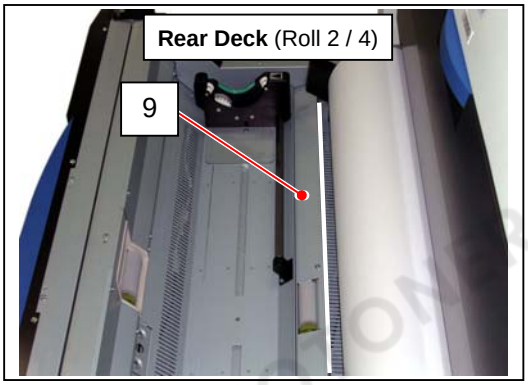


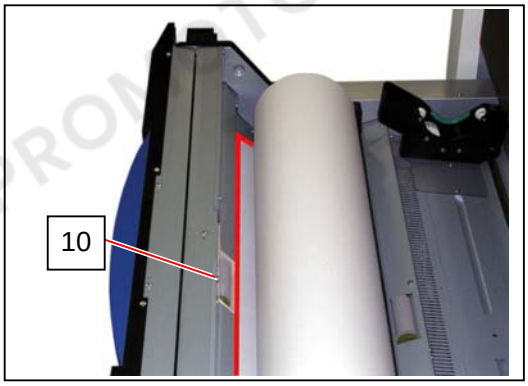
Wrong

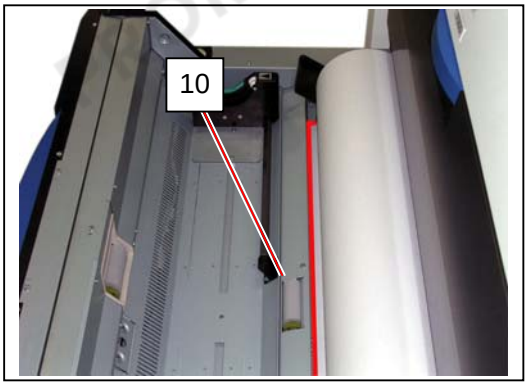
PROMOTONER

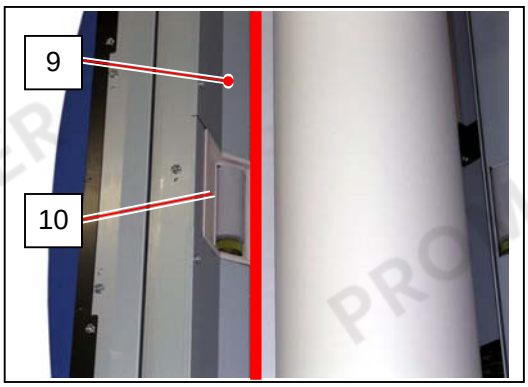
7. Insert the leading edge under Guide Plate (9) until it touches the feeding roller (10).

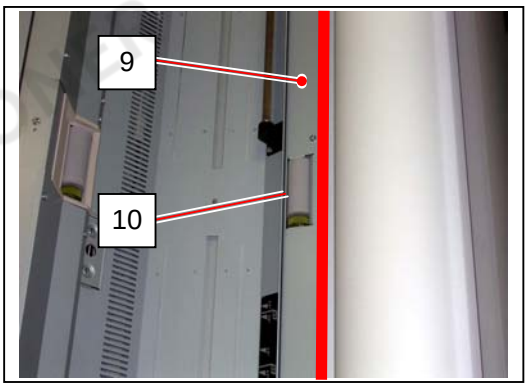


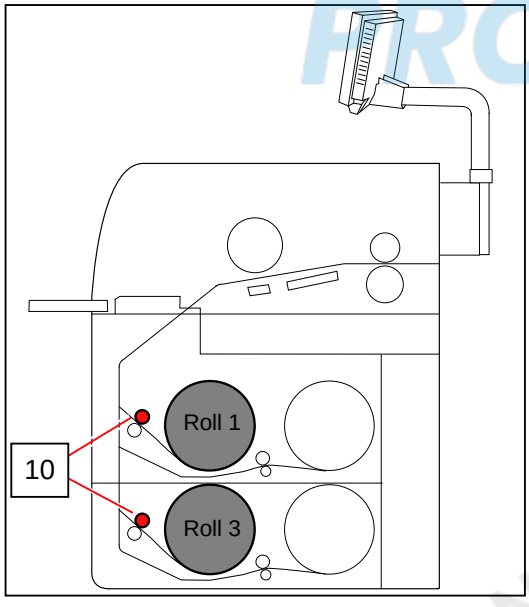


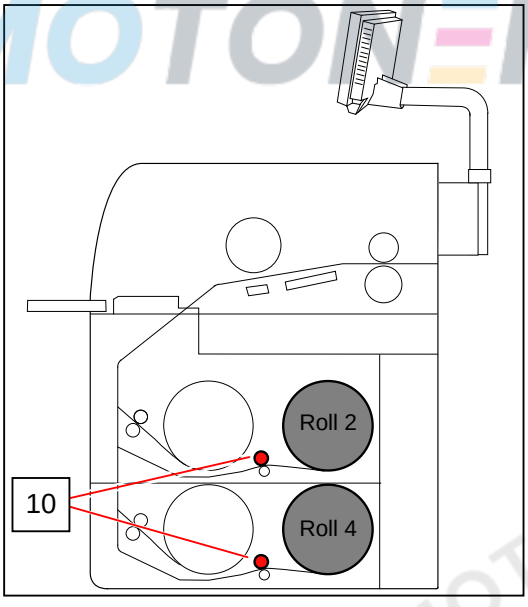




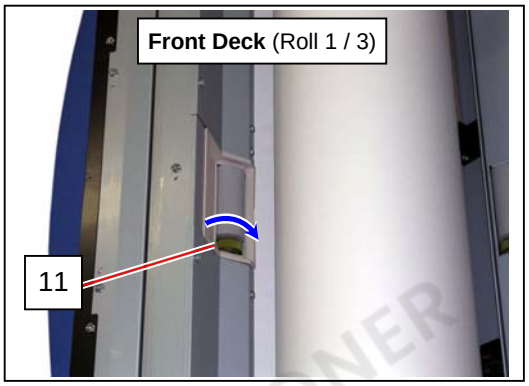


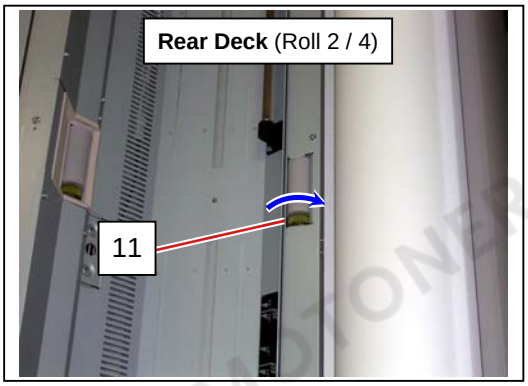


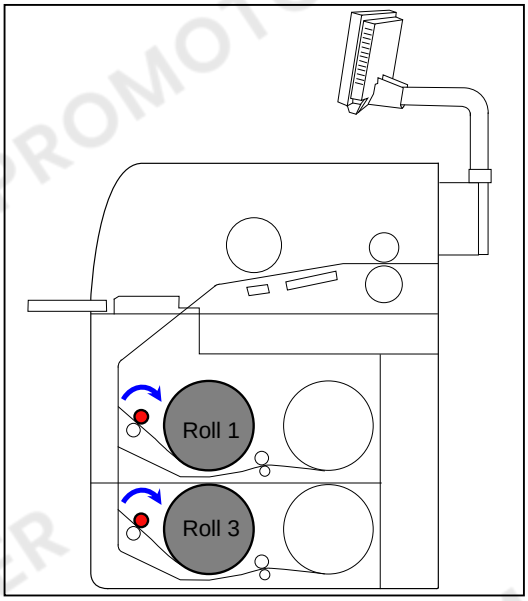


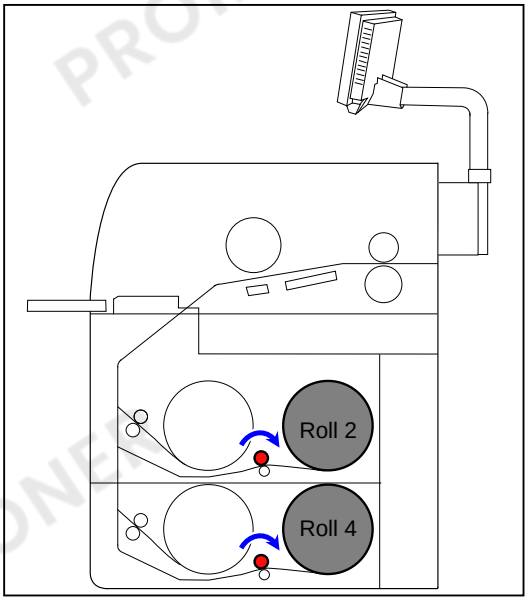


8. Rotate the green knob (11) to the arrow direction (away from front) so that the feeding rollers catch the leading edge.









9. Push Roll Deck (1) to firmly close it.



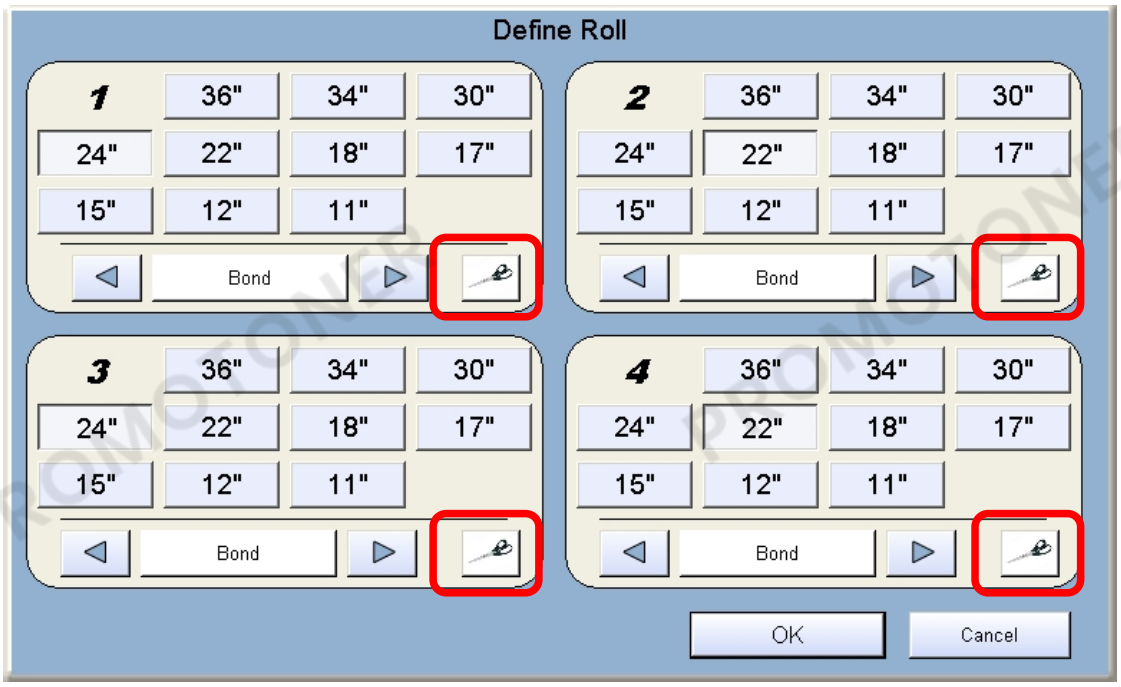


NOTE

(1) Be sure to close Roll Deck fully until it locks at the correct position.
A paper jam may occur if it is not locked firmly.

(2) Be sure not to catch your finger in between Roll Deck drawers.

10. When you close Roll Deck, “Define Roll” screen will appear on the UI screen. Choose the correct width and type, and press “Initial Cut” button (with scissors icon) for the corresponding Roll Deck.



PROMOTONER

2. 4 Replacing Toner Cartridge

⚠ WARNING

There is combustible powder in the toner cartridge.
Do not burn up the used toner cartridge.

Reference



When the toner is empty, the UI Screen will display Toner Empty sign. Follow the later procedure (or as noted in the UI's User Guide) to replace the Toner Cartridge with a new one (genuine).

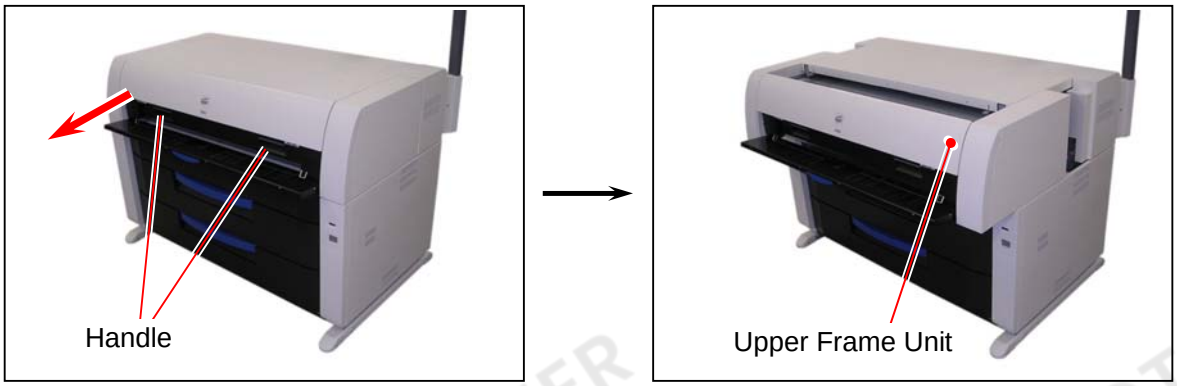
⚠ NOTE

(1) The KIP 7900 Toner Cartridge is embedded with the IC Tag for an exclusive use on KIP 7900. Even if a Toner Cartridge for other models is installed, the KIP 7900 does not operate with indicating Toner Empty sign or "Toner Cartridge not set correctly".
(2) Once the Toner Cartridge becomes empty with the toner, the KIP 7900 recognizes its IC Tag information. The same Toner Cartridge can no more be installed onto the KIP 7900 after that. The KIP 7900 does not operate with indicating Toner Empty sign or "Toner Cartridge not set correctly" if once emptied Toner Cartridge is installed.
(3) The KIP 7900 will indicate Toner Empty sign if an incorrect toner cartridge or no toner cartridge is installed to the printer.
(4) At the machine's installation, some amount of initial toner powders will be supplied to the machine. Thus Toner Empty sign might appear slightly earlier for the first installed toner cartridge than usual.

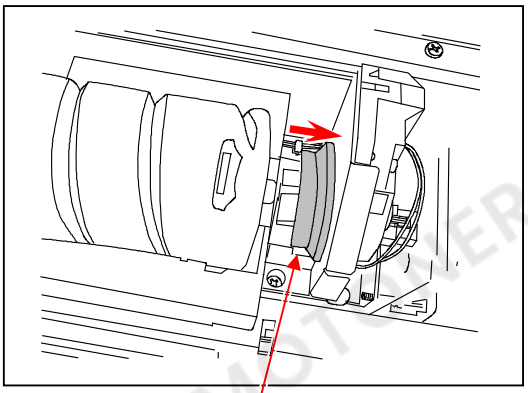
1. Open the Manual Table.



2. Pull out the Upper Frame Unit to your side (front) with holding both handles.

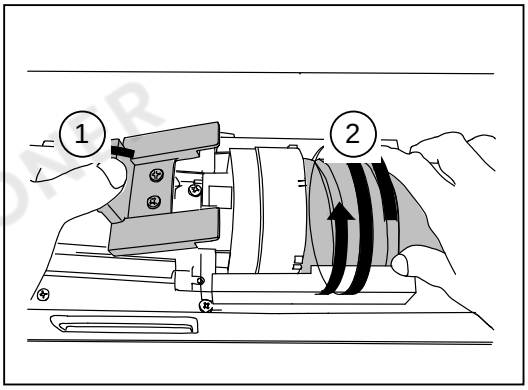


3. Push the Joint rightward to release the Toner Cartridge.
   (The joint will be latched on the right.)

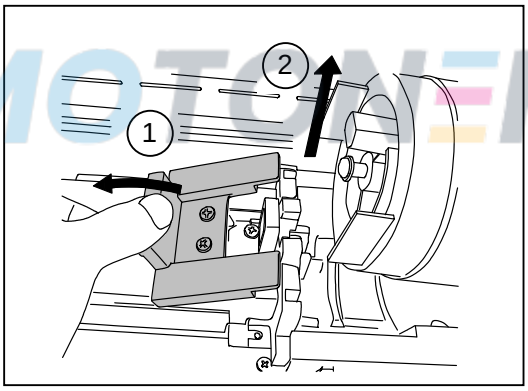


> **NOTE**
>
> Slide the Joint until it clicks to unlock the toner cartridge.
> Not doing so may damage the toner supply system.

4. Pressing down the green lever, rotate Toner Cartridge body (**not the Cap of Cartridge**) to the arrow direction until it stops. This will close the toner supply opening on Toner Cartridge.

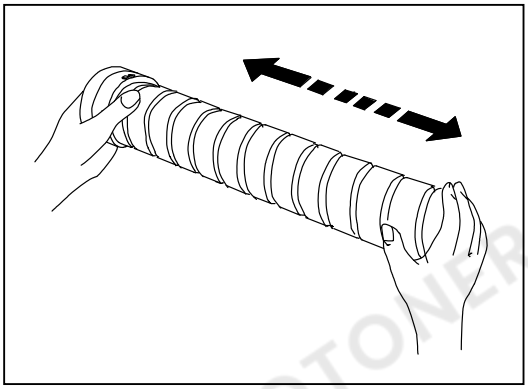


5. Keep pressing the green lever. Lift up Toner Cartridge and remove it.

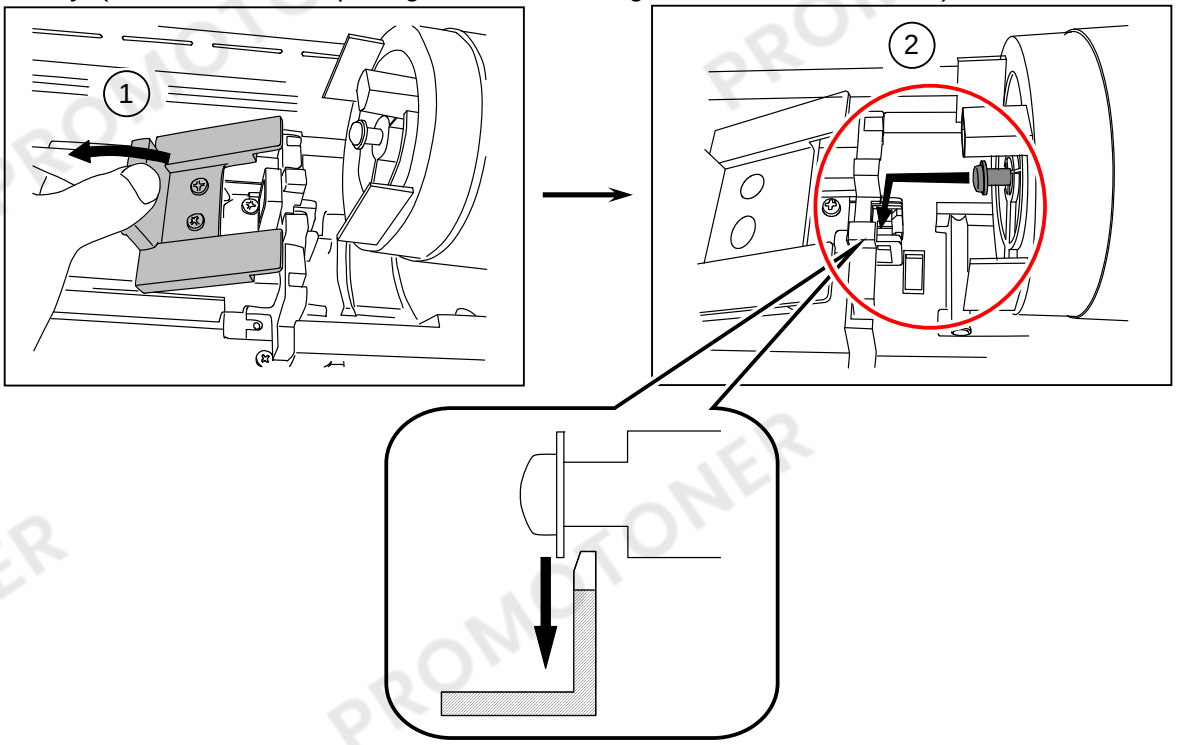


> **NOTE**
>
> If your hand or your clothing is soiled by toner, dust the toner.
> If it is unable to dust it, wash the clothing with the cold water.
> (Do not use the hot water at this time because the toner will soak into fiber.)

6. Shake a new Toner Cartridge several times right and left to make the toner smooth.

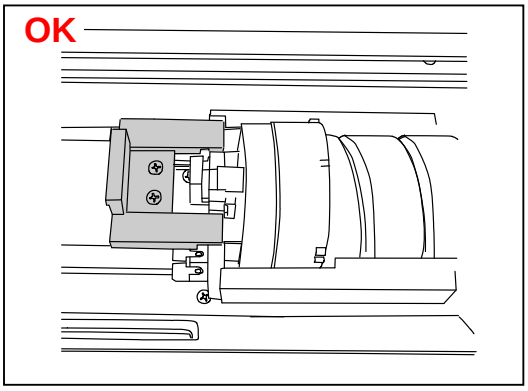


7. Press the green lever down until it clicks. Insert the far left pin on Toner Cartridge into the slot firmly. (Please direct the opening on Toner Cartridge downward at this time.)

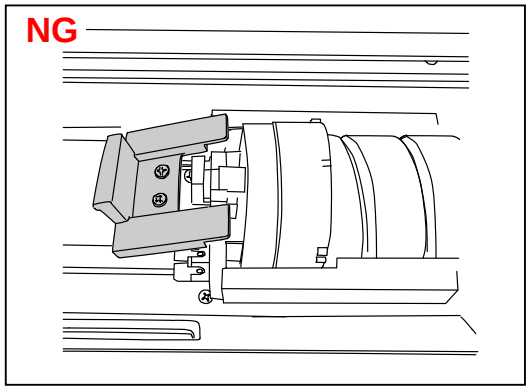


NOTE

Please confirm that the green lever firmly locks the Toner Cartridge at the correct position. (It must be at a level position.)

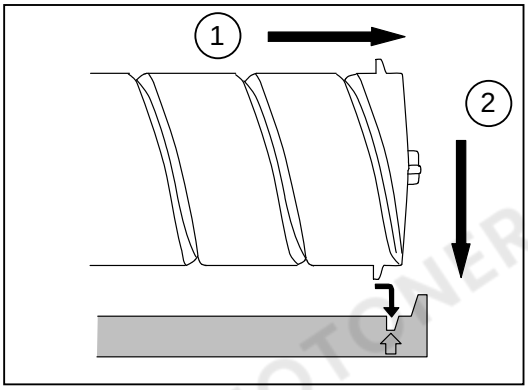


Correct: Green Lever in position

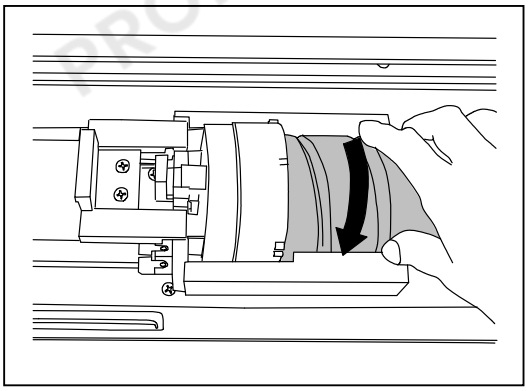


Wrong: Toner Cartridge not locked

8. Slightly pull Toner Cartridge rightward and insert the swelling tab in the arrowed slot.

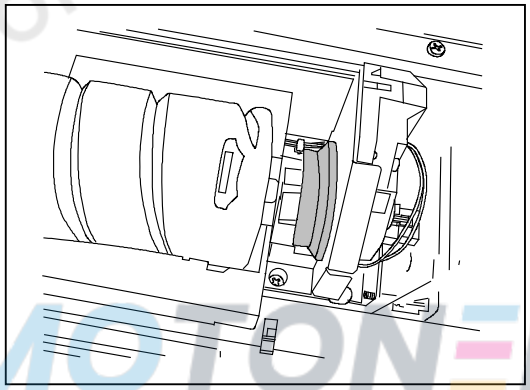


9. Rotate Toner Cartridge to the arrow direction at least 180 degrees.
(The new Toner Cartridge is closed firmly so as not to lose the toner during the transportation)

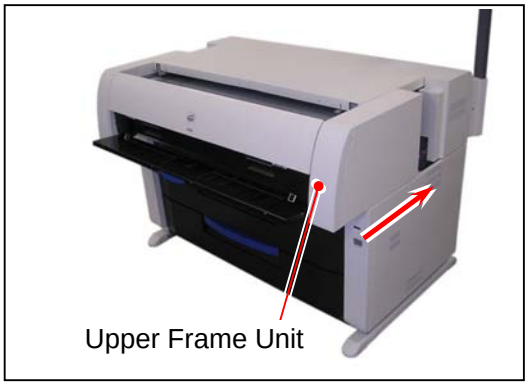


NOTE

Even if the Joint is not fit to the Toner Cartridge, when you turn on the printer, it is automatically fit properly.



10. Push in Upper Frame Unit firmly. Close the Manual Table.





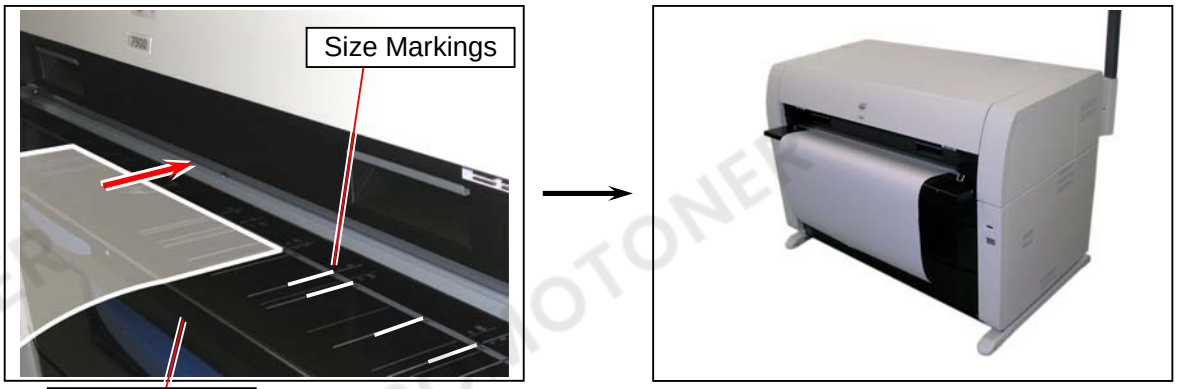
2. 5 Placing Cut Sheet Media

1. Open Manual Table.



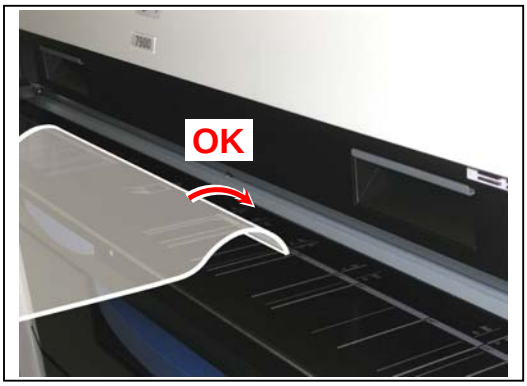
2. There are several size markings on Manual Table which indicate possible feed positions. Place a cut sheet in a required size on the table between its concerning size markings then insert it into Manual Feeder.

   When the leading edge touches the feeding roller, the machine automatically carries and sets the sheet at the proper position.

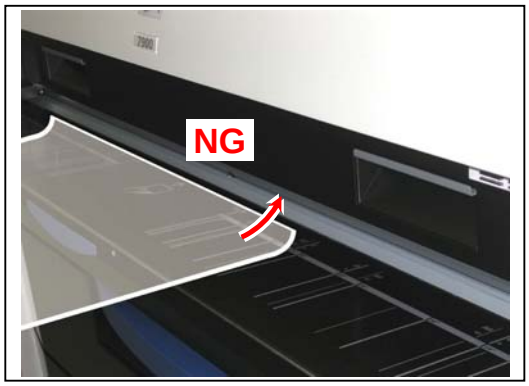


NOTE

As a curly cut sheet will cause a mis-feed, straighten the sheet as far as possible before printing. And set the sheet in “curl down” direction as a mis-feed can be avoided. “Curl up” sheets tend to result in a mis-feed.



Correct (curl down)



Wrong (curl up)

2. 6 Canceling Sleep Mode

The KIP 7900 has two Sleep Modes to reduce the power consumption.
The KIP 7900 will enter Sleep Mode after a certain period of inactivity.

In the default setting;

- Warm Sleep Mode will start after a 15 minute of inactivity in order to reduce the power supply for Fuser Unit.
- Cold Sleep Mode will start after a 60 minute of inactivity to stop the power supply for Fuser Unit and some other components.

Sleep Mode is canceled and the machine gets ready when;

- the machine receives a print job through the network.
- an original is inserted into a KIP Scanner (option).
- you tap on the UI screen.

NOTE

(1) It may take time for the printer to get ready.

(2) Tapping on the UI screen can cancel the screensaver but cannot recover temperature on Fuser Unit. It may need another waiting time to start warming up for printing.

PROMOTONER

2. 7 Dehumidifying Roll Media

If the roll paper is extremely humid, it may cause poor prints.
You will experience most likely “creasing” and “voids”.

Normal Print

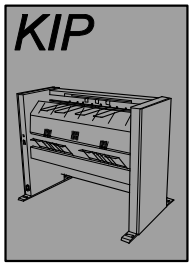


If the media is humidified;

Creasing

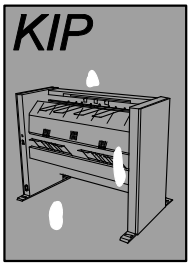


Normal Print



If the media is humidified;

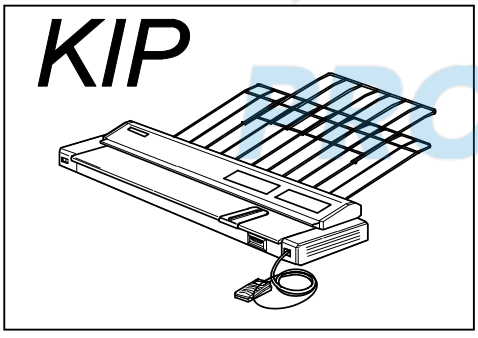
Voids



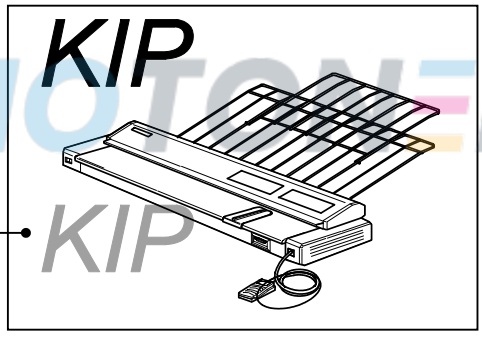
NOTE

Re-appearance of image (especially solid black image) may occur if you print with a humidified film.

When film is installed under the high humidity environment (higher than 60%RH), we also recommend that you turn on the Dehumidify Heater.



Normal print



Re-appeared image

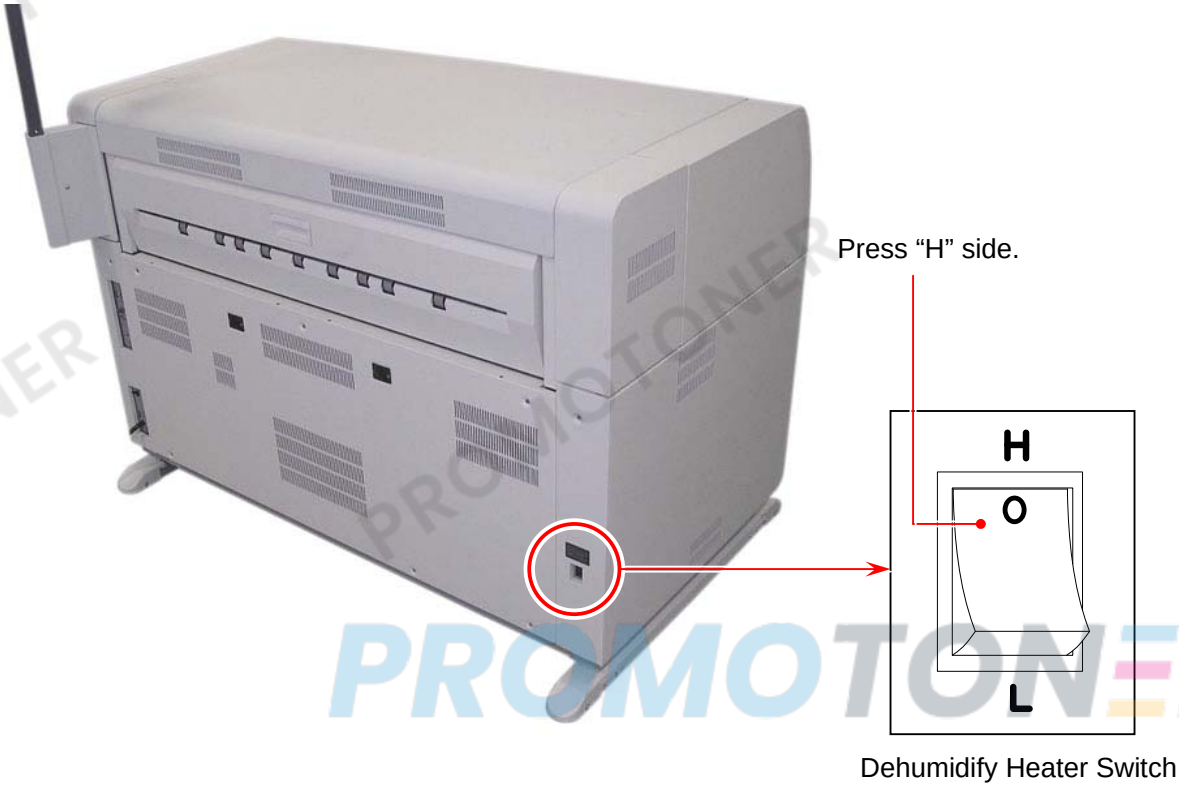
Turn on the Dehumidify Heater if the room air has too much humidity (65% or higher) to prevent the above kinds of print defect.
You may be able to fix the above kinds of problem.

NOTE

(1) There are several dehumidifying settings which can be set by service personnel.
When these settings are determined, the dehumidifier functions.
With any setting, the printer must be plugged in and the switch noted above must be in the “H” position.
Call your service personnel if you would like to change the switch setting.
Note that the user can not change the setting.

(2) To achieve the best image quality, we recommend that you use media that is unpacked from the manufacture right before installing it into the printer.
If media is unpacked long before installation, poor image quality may occur.

“Dehumidify Heater Switch” is located on the left-rear side of the machine.
Press “H” to turn on the Dehumidify Heater.



Dehumidify Heater Switch

PROMOTONER

2. 8 Stacking Prints on High Capacity Print Tray (option)

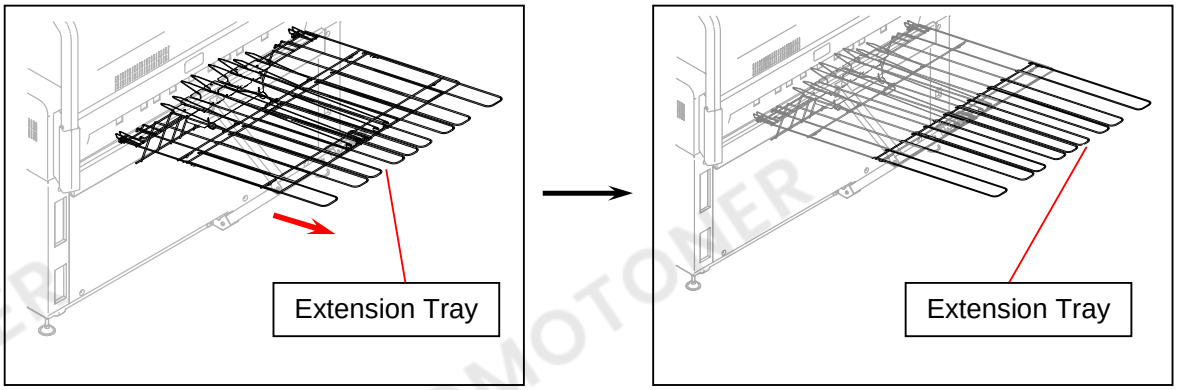
“High Capacity Print Tray” (option) has the ability to support up to 100 sheets of prints behind the printer.

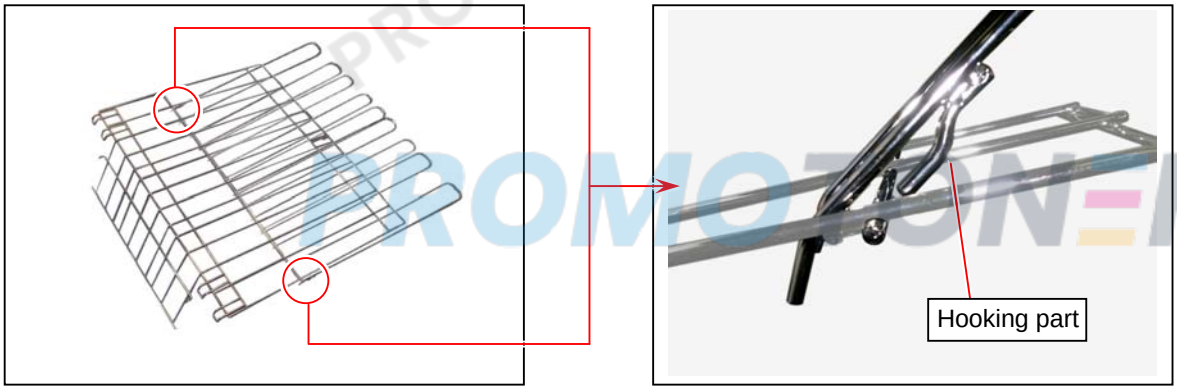
“High Capacity Print Tray” Stack Capacity:

Plain Paper	100 sheets	standard size only, a single print set in the same size
Tracing Paper Vellum	10 sheets	
Film	1 sheets	

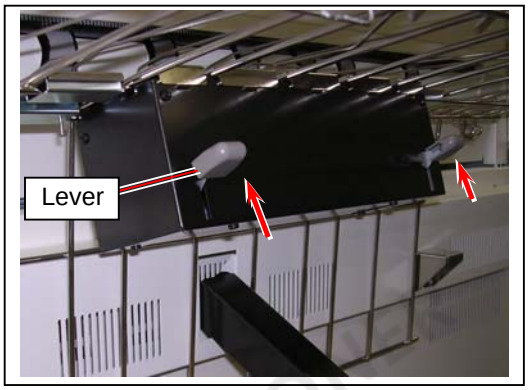


For larger print sizes (D/A1 portrait, E/A0), please use the extension tray.
Insert the extension tray’s hooking part on the base tray.

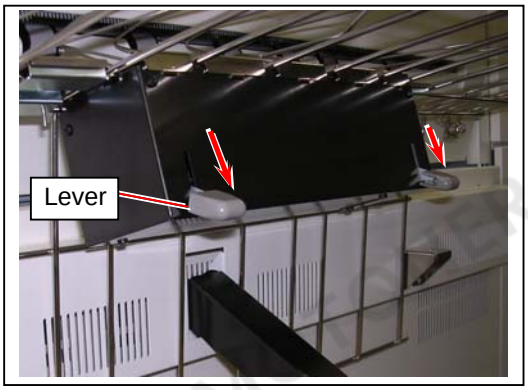




For use of thin vellum / tracing paper and film in D/A1 portrait or E/A0, press the lever down.
In most sizes / types, the lever should remain up.



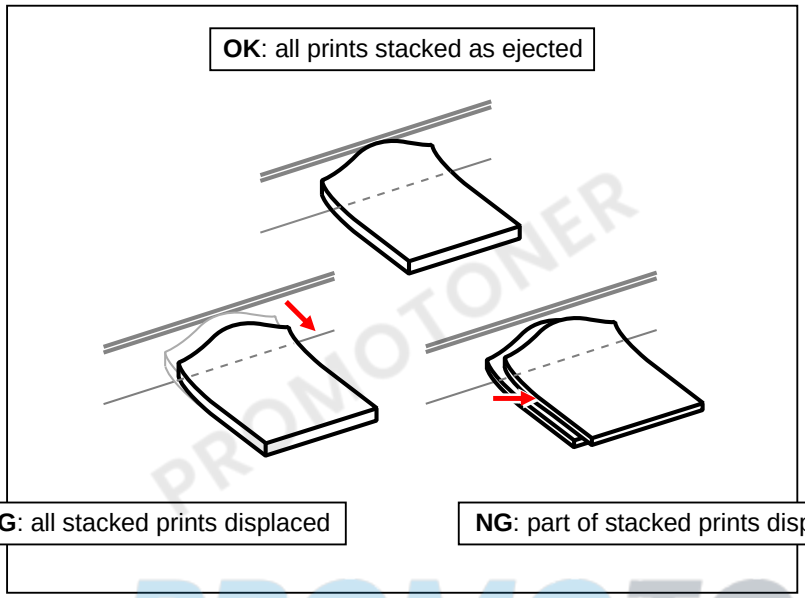
Lever UP: most size, type



Lever DOWN: Large Tracing, Vellum, Film

NOTE

(1) Do not leave ejected prints with been displaced.
Doing so may prevent the subsequent prints from being stacked correctly until you remove all the prints stacked on Print Tray. Or this may cause a paper jam.



(2) Do not place any object except for the ejected prints from the printer on the tray.

Please contact your local dealer for other outer devices (Scanner, Auto Stacker, Folder, etc). See the device's documents if you use one. That might include additional information for usage / notice of the printer.

Chapter 3

Error Correction

page

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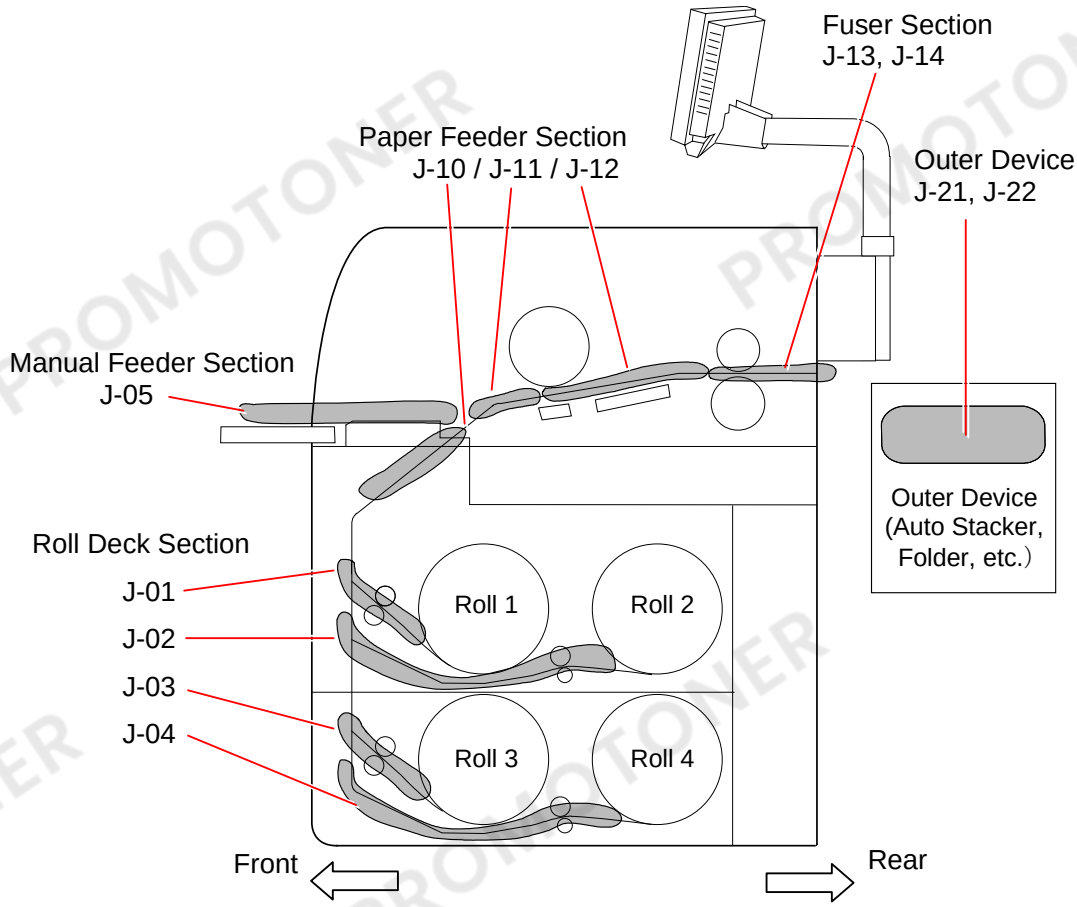
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3. 1 Paper Jam

If a paper jam occurs, the UI screen will show its location and the corresponding error code (J-**).

Please refer to the following figure to check the jam location.
(Error Codes are described on the later pages.)



NOTE

(1) Take care not to get paper cuts on your hand.

(2) Take off your ring, bracelet or watch when clearing paper jam. If they touch to internal components, it may result in a burn, an electric shock or damage to components.

(3) Gently remove a jammed paper. When it does not reach Fuser Unit, toner on it may spill off.
If toner gets into eyes or your mouth, immediately rinse them with water and contact a doctor.

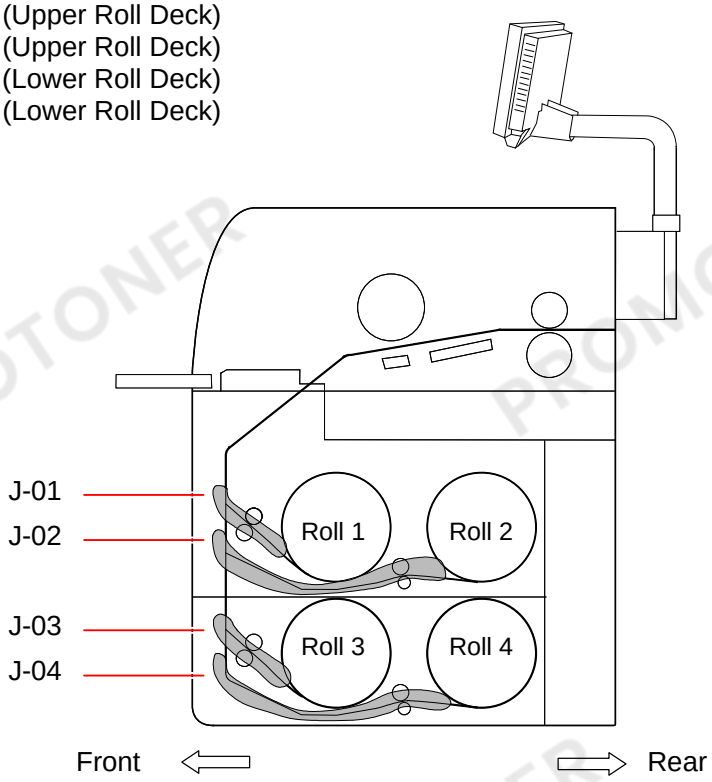
(4) Gently remove a jammed paper. When it does not reach Fuser Unit, toner on it may spill off on your cloth.
Dust off your cloth. Use cold water to wash in out. Using hot water may leave a stain.

(5) If a paper jam occurs using multiple copy and set copy, Jam Recovery screen will appear in the UI. Jam Recovery reprints the removed sheet(s).
Refer to KIP IPS Touch Screen Operator's Guide for further information.

3. 1. 1 Roll Deck Section (J-01, J-02, J-03, J-04)

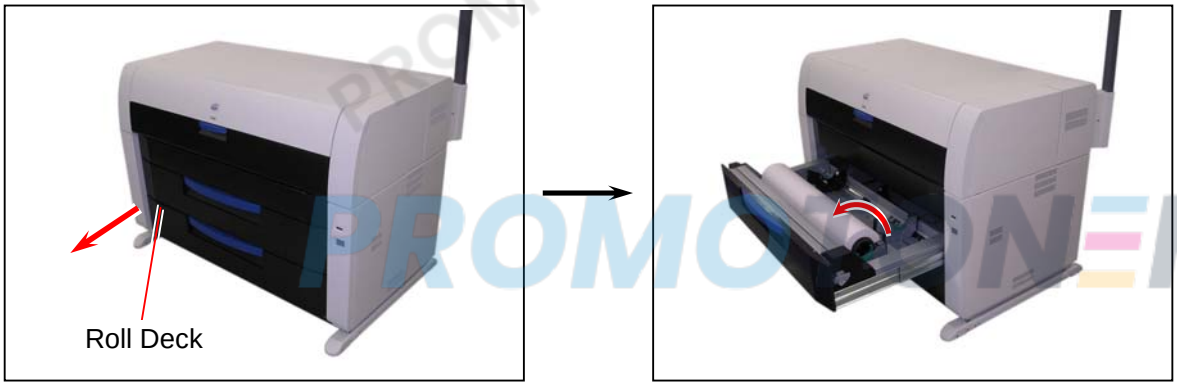
When a Paper Mis-feed occurs in the Roll Deck, the UI shows J-01 / J-02 / J-03 / J-04.

J-01: Roll 1 (Upper Roll Deck)
J-02: Roll 2 (Upper Roll Deck)
J-03: Roll 3 (Lower Roll Deck)
J-04: Roll 4 (Lower Roll Deck)



Clear the Paper Mis-feed using the following procedure:

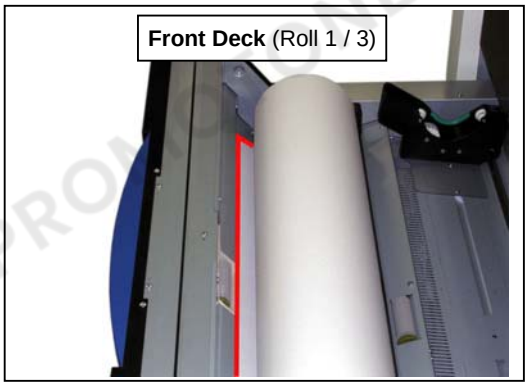
1. Open the Roll Deck in issue. And then rewind the roll onto the media core.

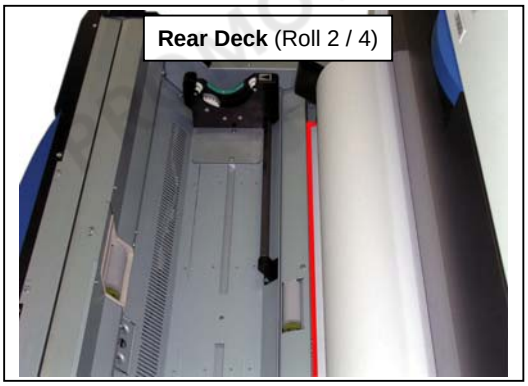


2. If the leading edge of the media is torn or folded, cut it off.

3. Set the roll media correctly.





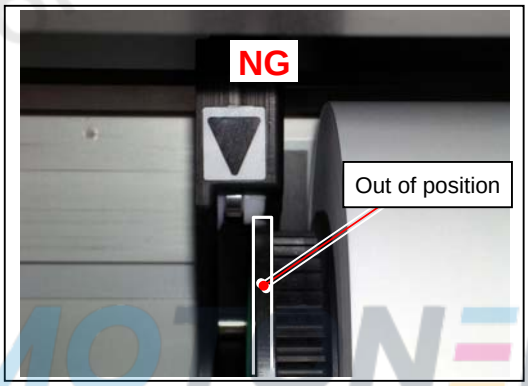


NOTE

The outside rim of Flange should meet the black triangle marked on Slide Guide. Otherwise the roll media may fall in Roll Deck or result in an incorrect media feeding.



Correct



Wrong

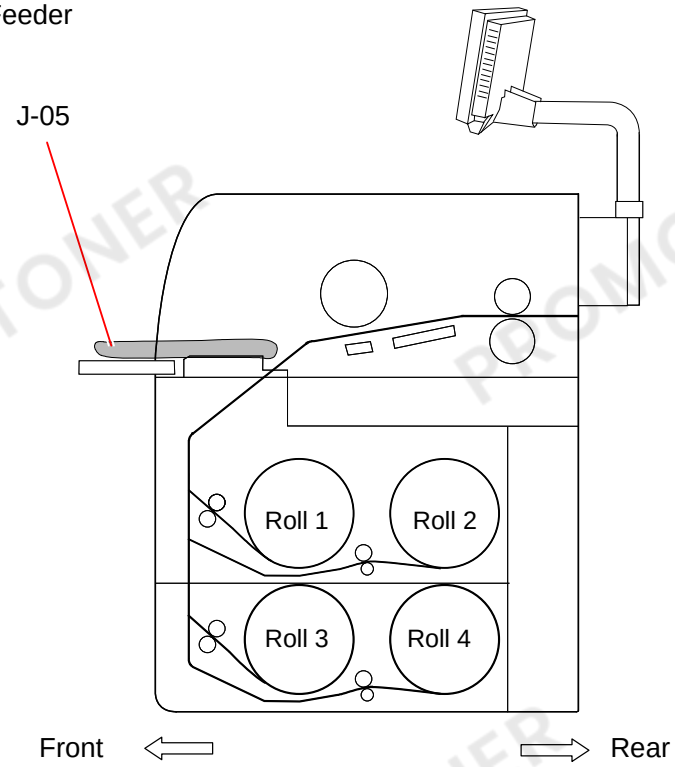
4. Close the Roll Deck.



3. 1. 2 Manual Feeder Section (J-05)

When a Paper Mis-feed occurs in the Manual Feeder, the UI shows J-05.

J-05: Manual Feeder



Clear the Paper Mis-feed using the following procedure:

1. Pull out the mis-fed paper from the Manual Feeder, and if the leading edge of the paper is torn or folded, replace it with a new one.

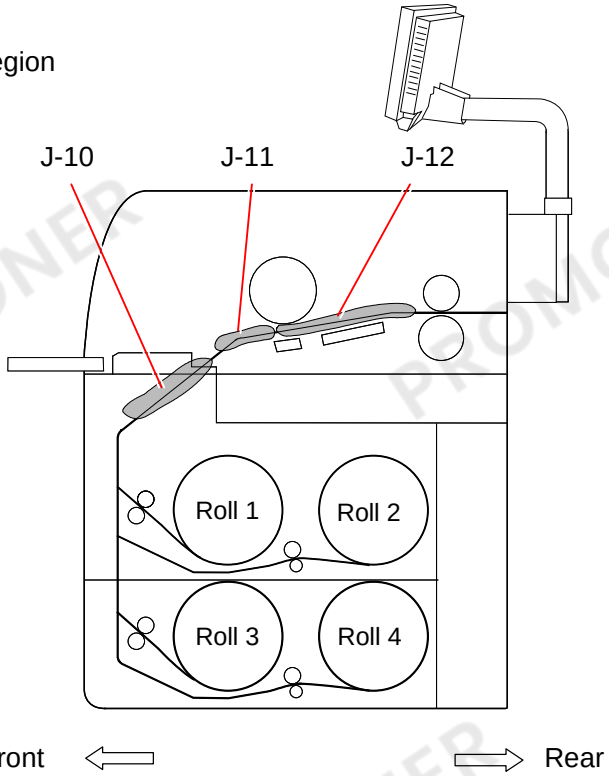


PROMOTONER

3. 1. 3 Paper Feed Section (J-10, J-11, J-12)

When a Paper Mis-feed occurs in the Paper Feed Section, the UI shows J-10 / J-11 / J-12.

J-10: Front region
J-11: Middle region
J-12: Middle-Rear region

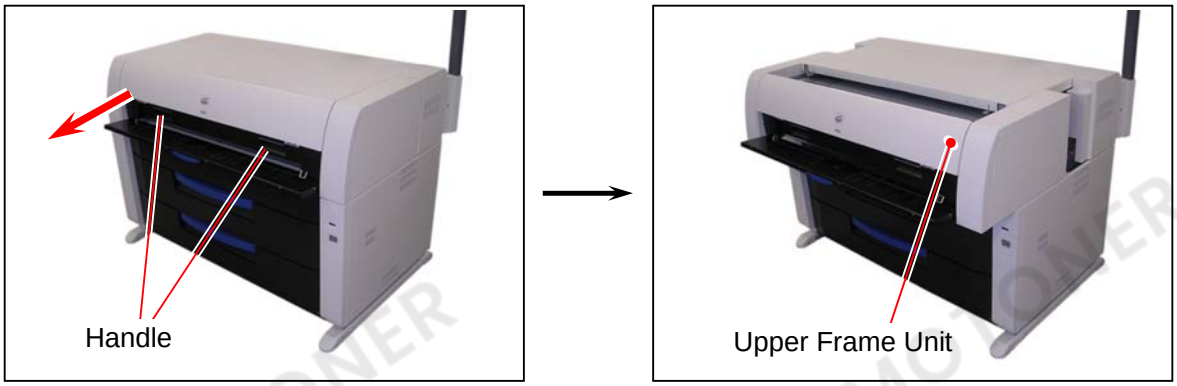


Clear the Paper Mis-feed using the following procedure:

1. Open the Manual Table.



2. Pull out the Upper Frame Unit to your side (front) with holding both handles.

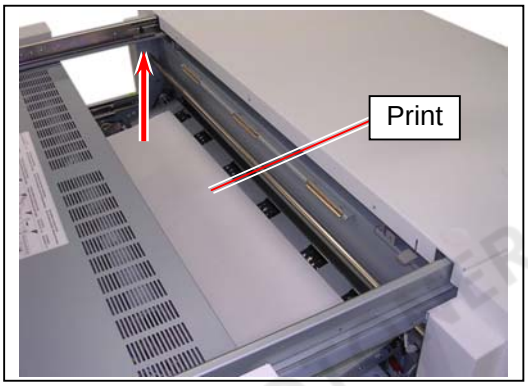


3. Pull up both knobs, and then push the Top Cover to rear side.

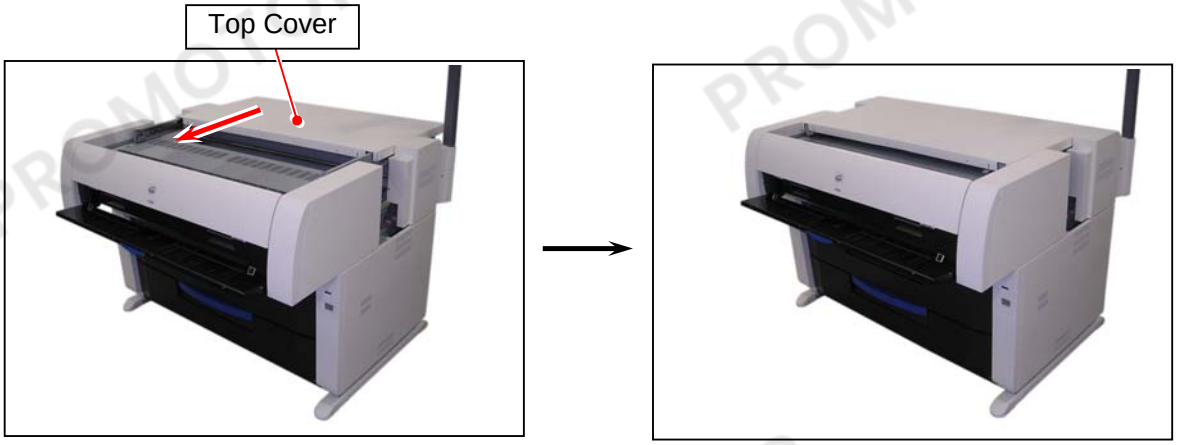


PROMOTONER

4. Remove the mis-fed paper.



5. Close Top Cover.



6. Close Upper Frame Unit and Manual Table.

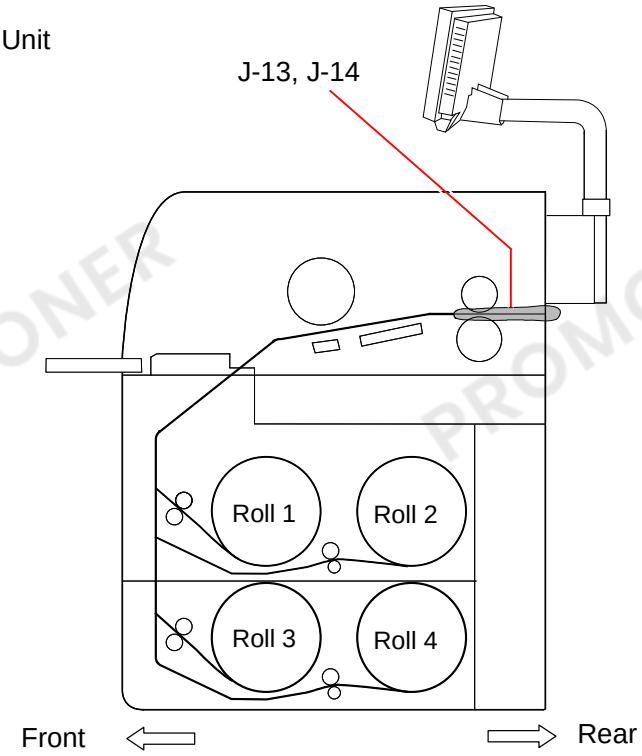


PROMOTONER

3. 1. 4 Fuser Section (J-13, J-14)

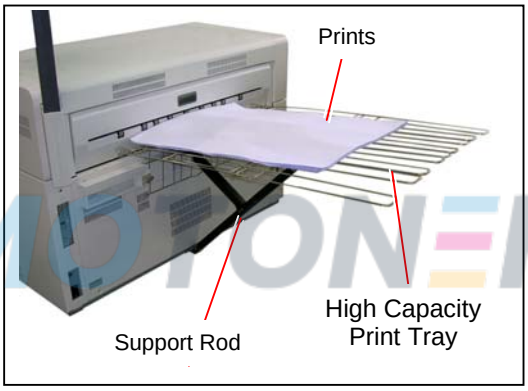
When a Paper Mis-feed occurs in the Fuser Section, the UI shows J-13 / J-14.

J-13, J-14: Fuser Unit



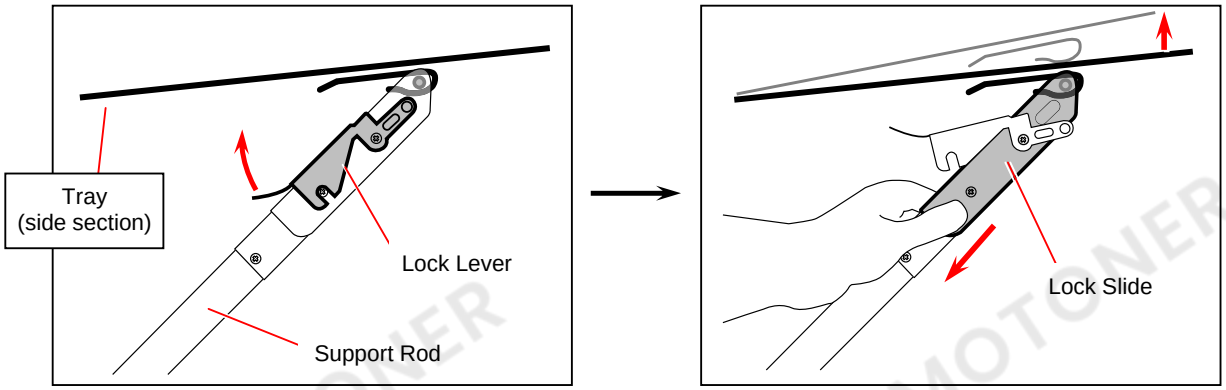
Clear the Paper Mis-feed using the following procedure:

1. It is necessary for a printer with High Capacity Print Tray (option) to move it aside to “release position”.
   First remove stacked prints from the tray.
   If your system does not have High Capacity Print Tray, go to step 4 on page 3-11.



PROMOTONER

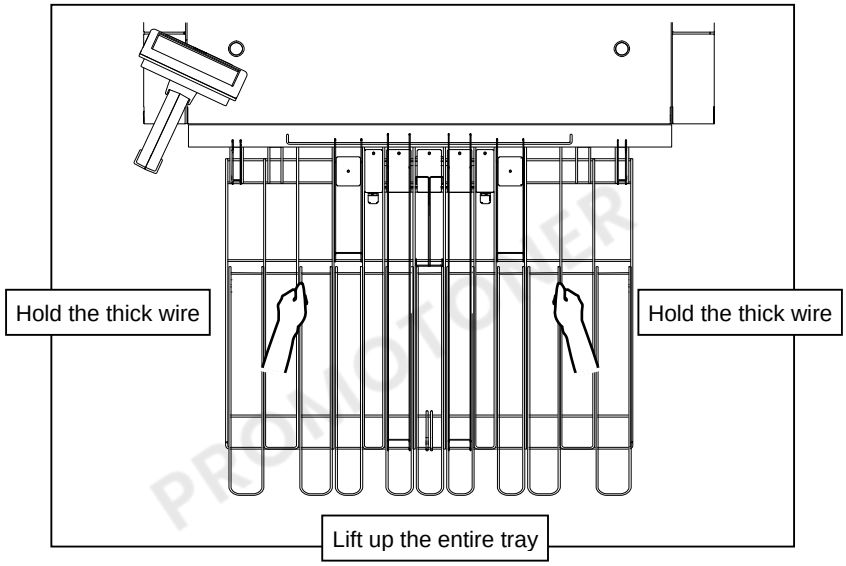
2. Flip up the Lock Lever on the top of the Support Rod.
   Slide the Lock Slide down to release the tray.

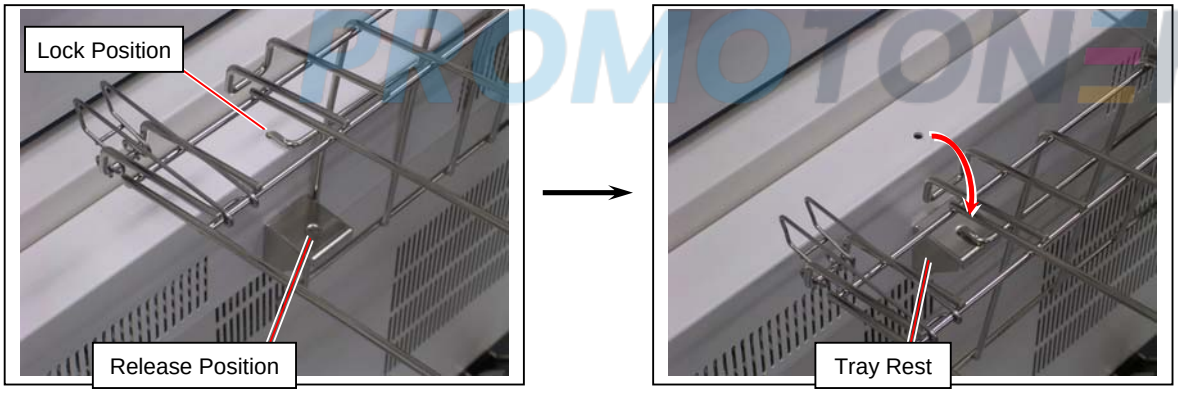


NOTE

Please note that the tray may slightly bounce at the time of release.

3. Hold the thick wire parts of the tray to lift the entire tray. Insert the hook parts at the “release position” on the tray rest.

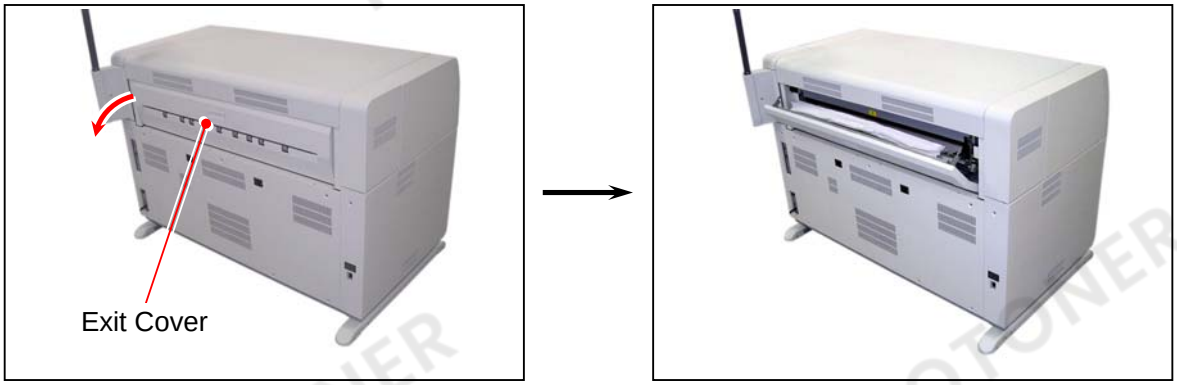




NOTE

(1) Do not hold a thinner wire to carry the entire tray.
(2) You cannot open Exit Cover until you move the tray from “lock position” to “release position”.
(3) Do not place any heavy object on the tray with mounted at “release position”.

4. Open Exit Cover.



WARNING

There are extremely hot parts inside the Heater Unit. Do not touch any parts in the Heater Unit, or you will be burnt.
Also the mis-fed media can be very hot. Be careful not to get burnt when you remove it.

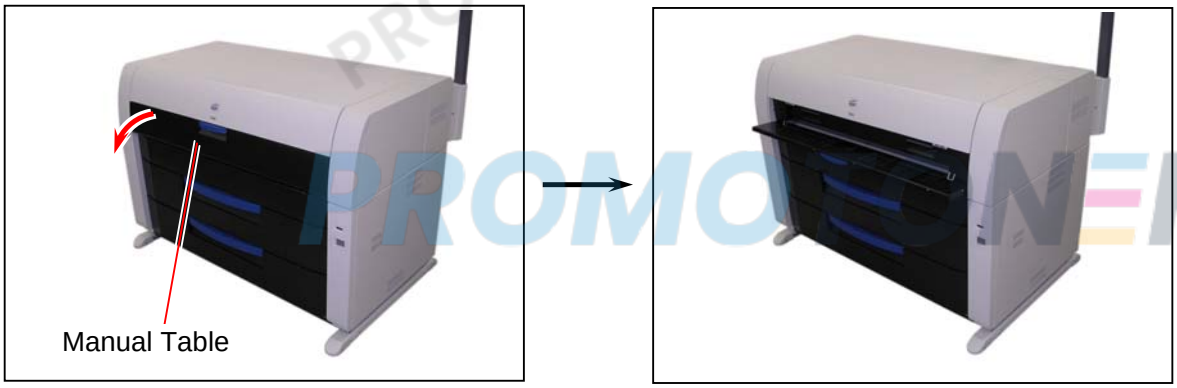
5. If it is possible to access the mis-fed paper, pull it out backward gently.
   Be careful not to tear the mis-fed paper.

   If it is possible to access it, close Exit Cover.
   High Capacity Print Tray requires relocation. See step 12 on page 3-14.

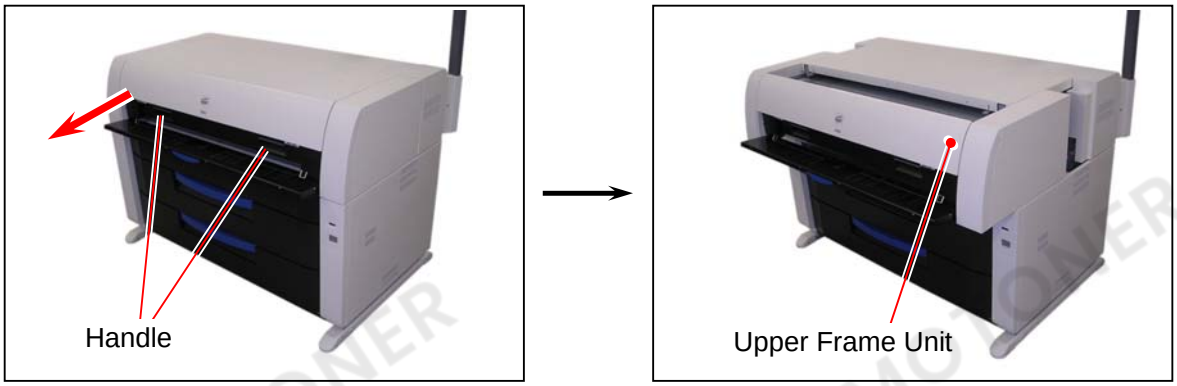
   If it is not possible, go to the next step.



6. Open the Manual Table.



7. Pull out the Upper Frame Unit to your side (front) with holding both handles.

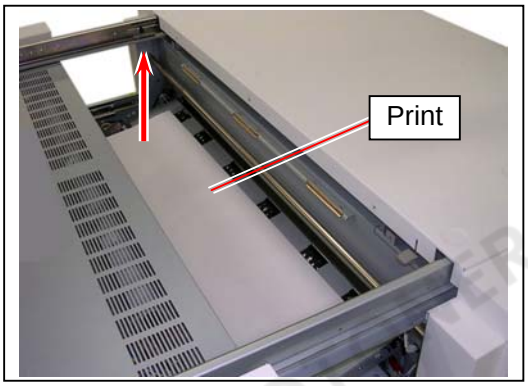


8. Pull up both knobs, and then push the Top Cover to rear side.

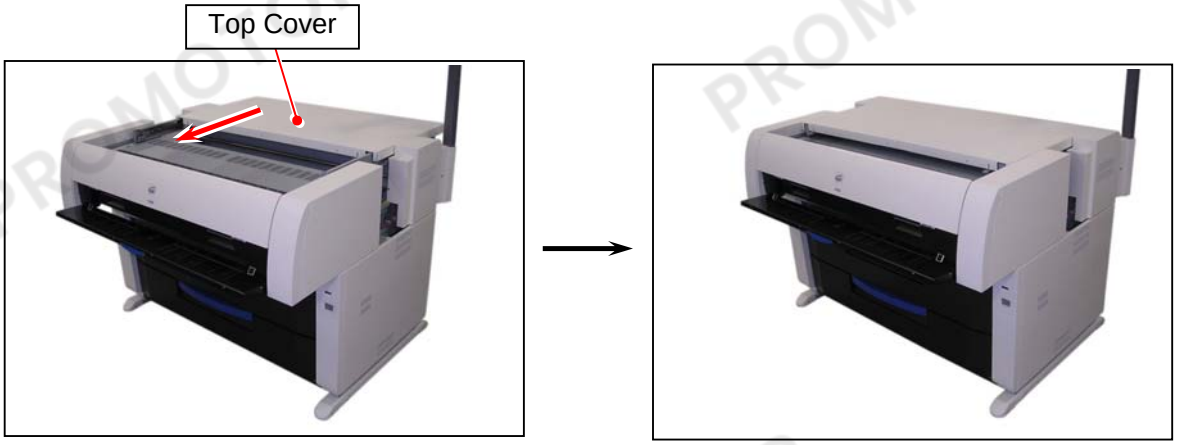


PROMOTONER

9. Remove the mis-fed paper.



10. Close Top Cover.



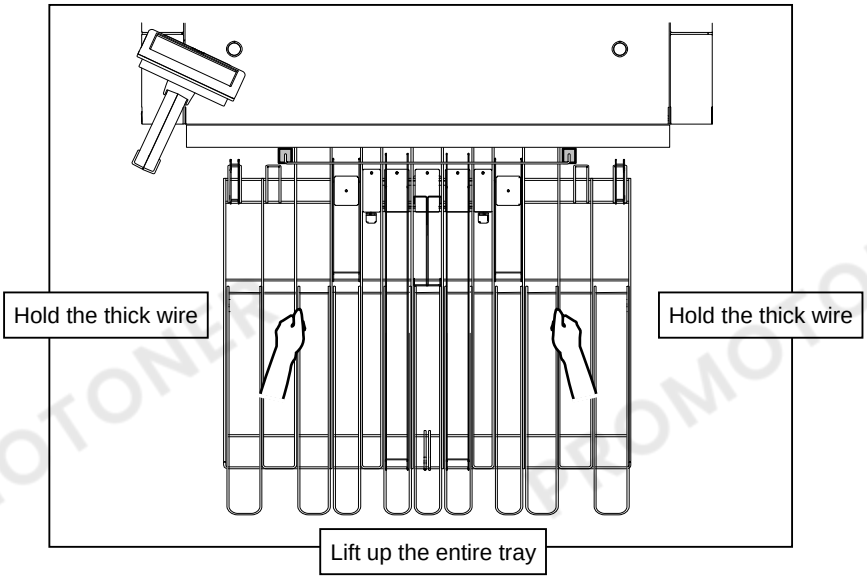
11. Close Upper Frame Unit and Manual Table.

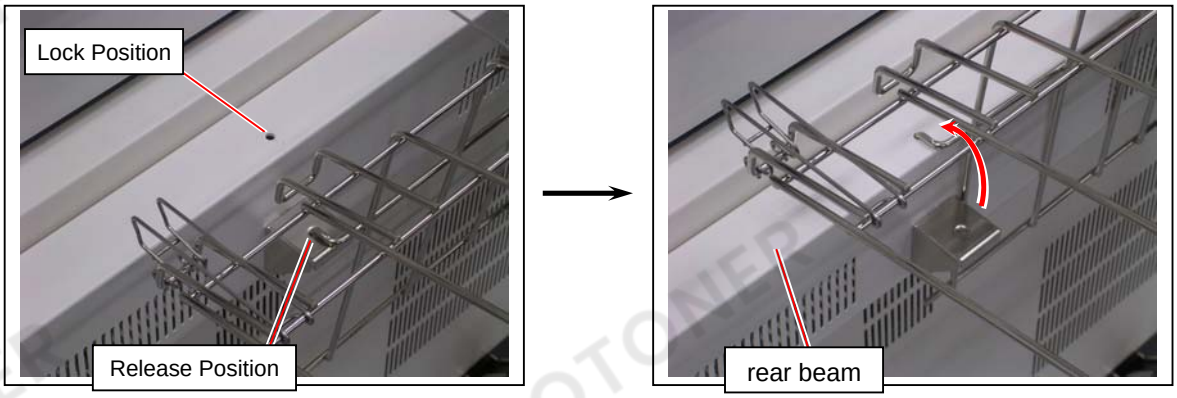


For the printer with High Capacity Print Tray, go to step 12 on the next page for its relocation.

PROMOTONER

12. Hold the thick wire parts of the tray and insert the hook parts at the “lock position” on the top face of the printer’s rear beam.





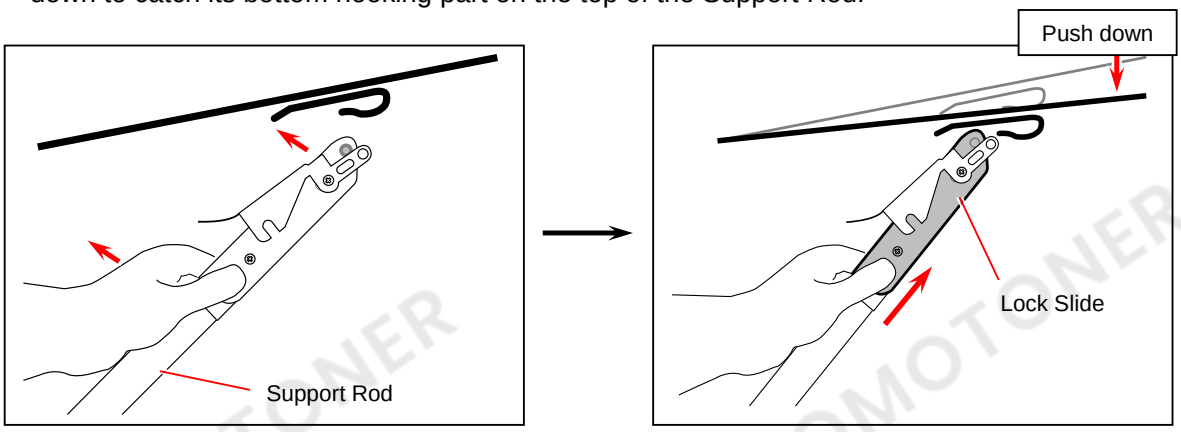
NOTE

(1) Do not hold a thinner wire to carry the entire tray.

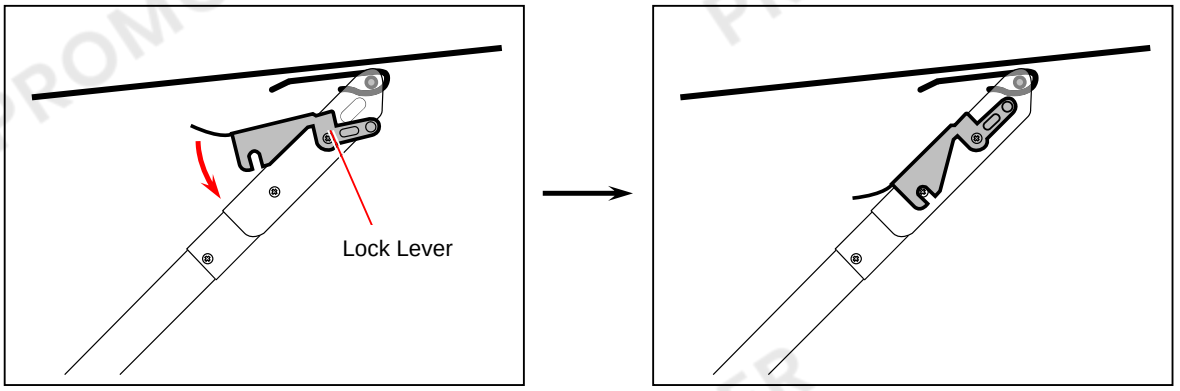
(2) Ejected prints will be stacked incorrectly on Print Tray until you move it from “release position” to “lock position”.

PROMOTONER

13. Lift the Support Rod to the printer. Fully slide the Lock Slide upward. Slightly push the tray down to catch its bottom hooking part on the top of the Support Rod.

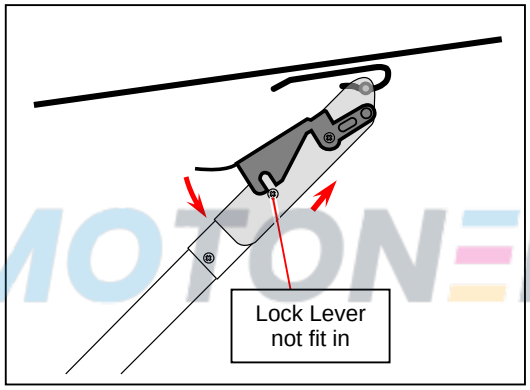


14. Fully press the Lock Lever down to lock the tray.



NOTE

To fit the Lock Lever in position, fully slide the Lock Slide upward.

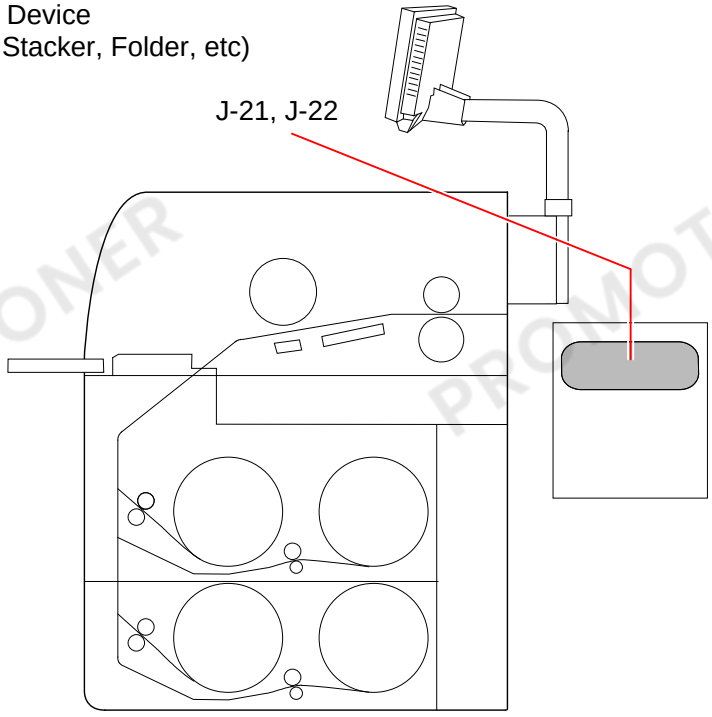


PROMOTONER

3. 1. 5 Outer Device (J-21, J-22)

When a Paper Mis-feed occurs in the Outer Device, the UI shows J-21 / J-22.

J-21, J-22: Outer Device
(Auto Stacker, Folder, etc)



Clear the mis-feed using the following procedure:

1. As for the way to clear the mis-feed, refer to the User's Manual for the Outer Device.

PROMOTONER

3. 2 Open Cover Errors

When any deck/cover is open (not closed firmly), the UI Screen will display “Door Open” or any other prompt screen.
Close the concerning deck/cover as it is impossible to print, if this error exists.

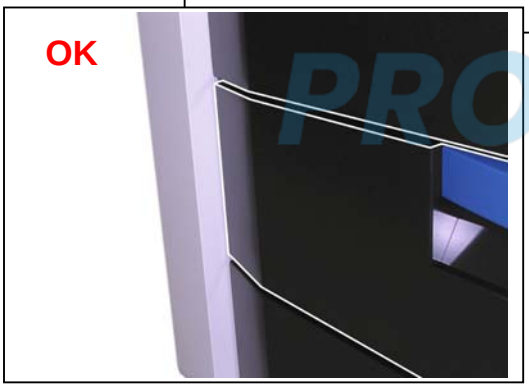
3. 2. 1 Roll Deck Open

“Replace Roll” screen will appear on the UI screen when Upper / Lower Roll Deck is open.
Completely push the concerning Roll Deck toward the printer to firmly close it.

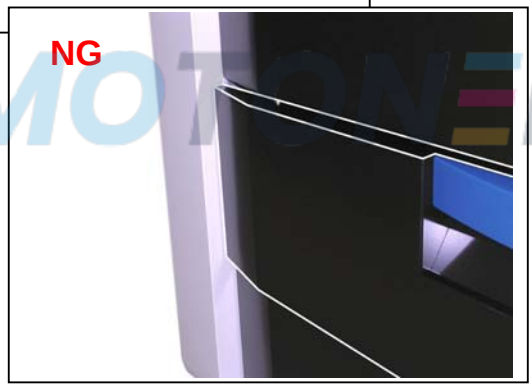
NOTE

The above screen will be indicated if the Roll Deck is not locked correctly, although it may look closed.
Open and close the Roll Deck again, pushing until locked. Ensure both sides of the roll deck are in their correct position.





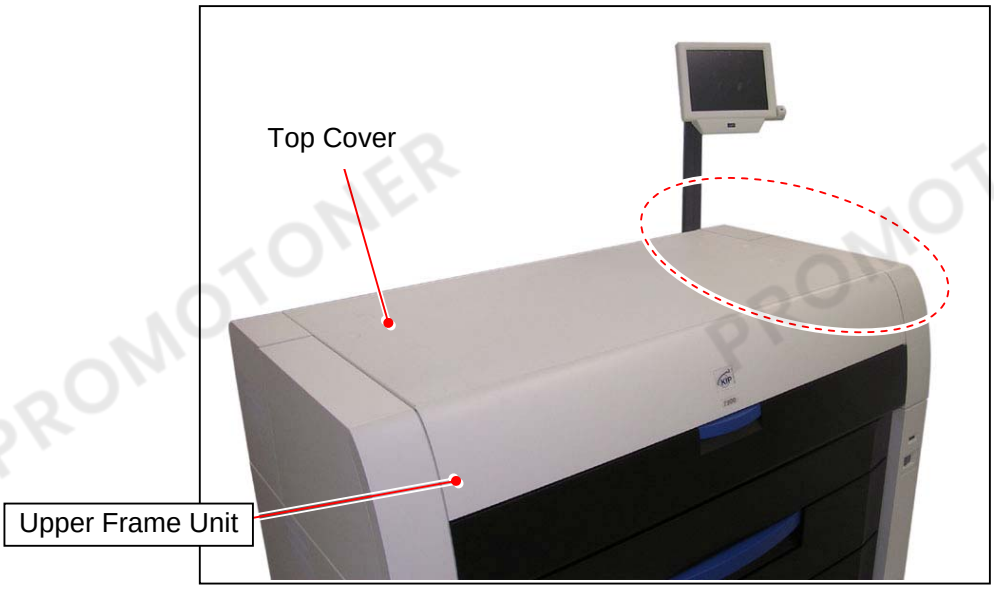
Correct: firmly closed



Wrong: not closed completely

3. 2. 2 Upper Frame Unit Open / Top Cover Open

If either Upper Frame Unit or Top Cover is open, the UI screen shows “Door Open”.
Check if the Upper Frame Unit and the Top Cover are closed firmly.

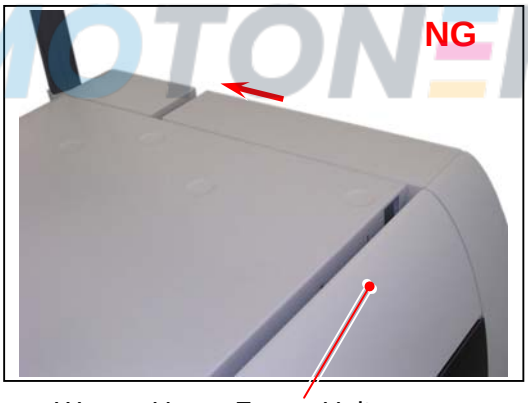




Correct: Both Top Cover / Upper Frame Unit closed firmly



Wrong: Top Cover open



Wrong: Upper Frame Unit open

PROMOTONER

3. 2. 3 Exit Cover Open

If Exit Cover is open, the UI screen shows “Door Open”.
Check if Exit Cover is closed firmly.



PROMOTONER

3. 3 Other Errors

3. 3. 1 Roll Replacement 

When the printer is running out of an installed roll media, the UI Screen will display “Roll Replacement” sign.
If there is no suitable roll media required for the current print job, the UI Screen will display “Roll Replacement” sign as well. Please load the required roll media to any Roll Deck.

For the roll replacement procedure, refer to [2.3 Replacing Roll Media] on page 2-5.

3. 3. 2 Toner Empty 

When the printer is running out of toner, the UI Screen will display “Toner Empty” sign.

For the toner cartridge replacement procedure, refer to [2.4 Replacing Toner Cartridge] on page 2-13.

PROMOTONER

3. 4 Call Service Errors

If any of the following Error Codes for a significant failure appears in the UI screen;

PLEASE CALL YOUR TRAINED SERVICE PERSONNEL TO RESOLVE THE ERRORS.
No operation should be done by the customer.

Error Code	Name of the error
E - 01	Fuser Temperature Rising Error
E - 02	Fuser Over Temperature Error
E - 03	Main Motor Error
E - 04	Developer Error
E - 06	Counter Error
E - 07	Cutter Error
E - 14	Fuser Motor Error
E - 16	Wire Cleaning Error
E - 21	Fuser Thermostat Error
E - 27	Toner Density Detect Error
E - 40	Outer Device Error
E - 43	RFID Error
E - 51	High Voltage Power Error

If any of the Error Codes listed above appears;

1. Turn off KIP 7900, and turn it on after an interval of 30 seconds or more.

2. If the same error code appears, turn off KIP 7900, and then unplug the printer from the wall outlet after an interval of two minutes for IPS shutdown.
   Call your service personnel.

PROMOTONER

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KIP 7900 User's Manual

Version A.1

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Please note that some articles, illustrations and photographs might be partially different from the actual machine because of the modification of machine and so on.

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